

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054999.D
 Acq On : 12 Apr 2019 15:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 02:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	631134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204566	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	26119	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
35) Dibromofluoromethane	7.59	113	21240	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	10.09	98	73433	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.40	95	24502	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	20775	4.355	ug/l	97
3) Chloromethane	2.06	50	29206	4.644	ug/l	97
4) Vinyl Chloride	2.19	62	25399	4.658	ug/l	98
5) Bromomethane	2.56	94	15320	4.911	ug/l	97
6) Chloroethane	2.70	64	13751	4.506	ug/l	97
7) Trichlorofluoromethane	3.02	101	32582	4.898	ug/l	93
8) Diethyl Ether	3.41	74	9612	4.508	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17215	4.890	ug/l	100
10) Methyl Iodide	3.94	142	21163	4.265	ug/l #	91
11) Tert butyl alcohol	4.83	59	1907	6.728	ug/l #	64
12) 1,1-Dichloroethene	3.73	96	16567	4.756	ug/l	87
13) Acrolein	3.60	56	9761	26.364	ug/l #	56
14) Allyl chloride	4.32	41	35836	4.580	ug/l	95
15) Acrylonitrile	5.00	53	40457	24.215	ug/l	99
16) Acetone	3.82	43	35000	23.373	ug/l	93
17) Carbon Disulfide	4.04	76	47582	4.290	ug/l	98
18) Methyl Acetate	4.33	43	21826	5.385	ug/l #	83
19) Methyl tert-butyl Ether	5.05	73	54875	4.759	ug/l	95
20) Methylene Chloride	4.55	84	25840	5.232	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	20085	4.567	ug/l	88
22) Diisopropyl ether	5.96	45	72949	4.523	ug/l	91
23) Vinyl Acetate	5.90	43	239063	21.275	ug/l	99
24) 1,1-Dichloroethane	5.84	63	42004	4.791	ug/l	99
25) 2-Butanone	6.85	43	48382	23.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	26596	4.355	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	23994	4.790	ug/l	98
28) Bromochloromethane	7.19	49	21658	5.231	ug/l	93
29) Tetrahydrofuran	7.22	42	33194	24.857	ug/l	98
30) Chloroform	7.37	83	39105	4.700	ug/l	100
31) Cyclohexane	7.64	56	45545	4.552	ug/l #	91
32) 1,1,1-Trichloroethane	7.56	97	31172	4.458	ug/l	97
36) 1,1-Dichloropropene	7.79	75	29971	4.862	ug/l	97
37) Ethyl Acetate	6.94	43	20536	4.740	ug/l	96
38) Carbon Tetrachloride	7.77	117	26934	4.540	ug/l	95

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 Data File : VN054999.D
 Acq On : 12 Apr 2019 15:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 02:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	32625	4.803	ug/l	97
40) Benzene	8.04	78	89324	5.007	ug/l	99
41) Methacrylonitrile	7.17	41	9233	3.738	ug/l #	77
42) 1,2-Dichloroethane	8.12	62	32507	5.174	ug/l	99
43) Isopropyl Acetate	8.17	43	33669	4.619	ug/l	97
44) Trichloroethene	8.83	130	23349	5.114	ug/l	99
45) 1,2-Dichloropropane	9.12	63	26027	5.235	ug/l	98
46) Dibromomethane	9.21	93	14080	4.953	ug/l	99
47) Bromodichloromethane	9.40	83	27527	4.645	ug/l	98
48) Methyl methacrylate	9.20	41	16387	4.471	ug/l	95
49) 1,4-Dioxane	9.21	88	3744	99.241	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	99848	24.417	ug/l	97
52) Toluene	10.15	92	52303	4.982	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	22219	4.086	ug/l	92
54) cis-1,3-Dichloropropene	9.84	75	28319	4.256	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	19242	5.007	ug/l	97
56) Ethyl methacrylate	10.43	69	21929	4.381	ug/l	98
57) 1,3-Dichloropropane	10.71	76	32306	4.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	41924	21.312	ug/l	99
59) 2-Hexanone	10.75	43	61013	23.989	ug/l	97
60) Dibromochloromethane	10.90	129	17341	4.337	ug/l	97
61) 1,2-Dibromoethane	11.00	107	17510	4.859	ug/l	93
64) Tetrachloroethene	10.63	164	22941	5.165	ug/l	97
65) Chlorobenzene	11.43	112	52786	4.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	18696	4.571	ug/l	94
67) Ethyl Benzene	11.51	91	97699	4.854	ug/l	98
68) m/p-Xylenes	11.62	106	72151	9.796	ug/l	96
69) o-Xylene	11.95	106	34306	4.783	ug/l	98
70) Styrene	11.96	104	53389	4.635	ug/l	99
71) Bromoform	12.13	173	10287	4.155	ug/l #	97
73) Isopropylbenzene	12.25	105	90147	5.252	ug/l	99
74) N-amyl acetate	12.07	43	24045	5.003	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23643	5.526	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	26308	7.121	ug/l #	100
77) Bromobenzene	12.53	156	21648	5.201	ug/l	99
78) n-propylbenzene	12.59	91	97903	5.176	ug/l	98
79) 2-Chlorotoluene	12.67	91	60675	5.176	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	74266	5.272	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	3646	4.136	ug/l #	76
82) 4-Chlorotoluene	12.77	91	57751	5.209	ug/l	100
83) tert-Butylbenzene	12.99	119	64969	5.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	70730	5.194	ug/l	99
85) sec-Butylbenzene	13.17	105	82692	5.321	ug/l	99
86) p-Isopropyltoluene	13.29	119	68587	5.127	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	35502	5.145	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	33374	5.074	ug/l	94
89) n-Butylbenzene	13.61	91	48082	4.529	ug/l	99
90) Hexachloroethane	13.87	117	11357	5.104	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	35538	5.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2788	4.682	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 13 02:25:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 02:20:24 2019
Response via : Initial Calibration

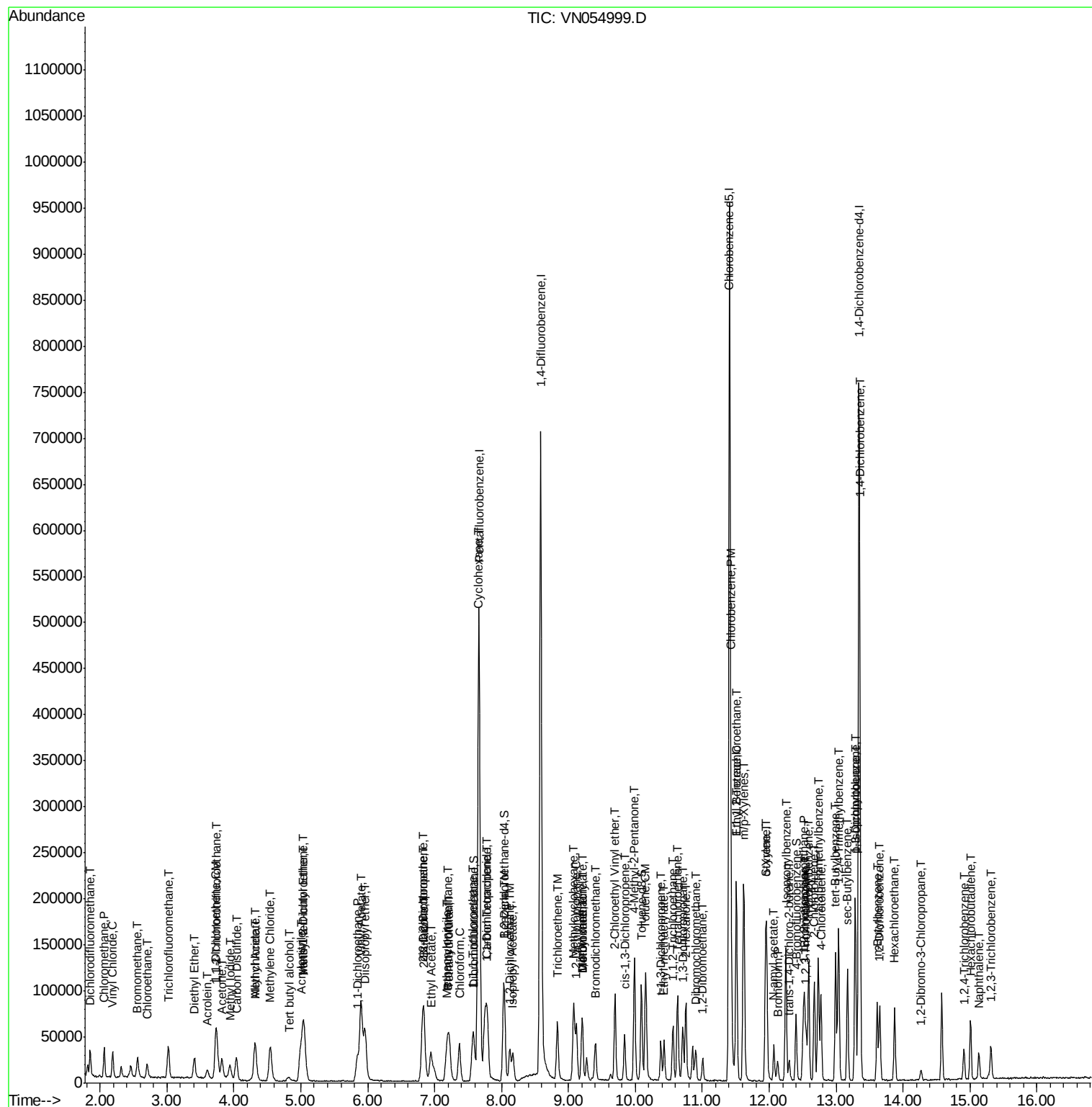
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10468	3.504	ug/l	93
94) Hexachlorobutadiene	15.01	225	12960	5.692	ug/l	98
95) Naphthalene	15.13	128	23517	3.564	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	12402	3.995	ug/l	99

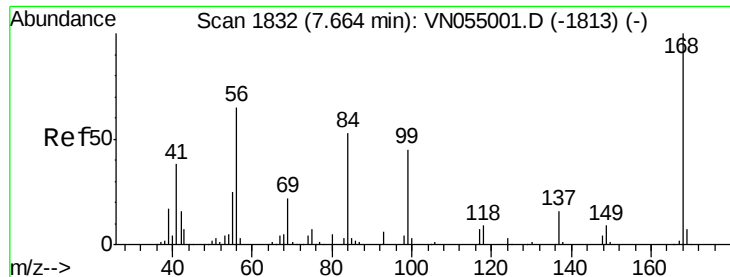
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054999.D
 Acq On : 12 Apr 2019 15:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 02:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

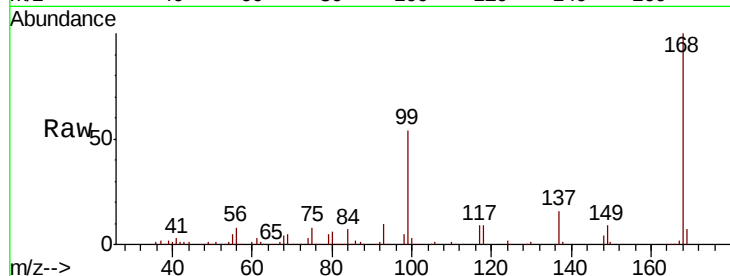
ClientSampled :

Tot Ion:168 Resp: 404751

Ion Ratio Lower Upper

168 100

99 52.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

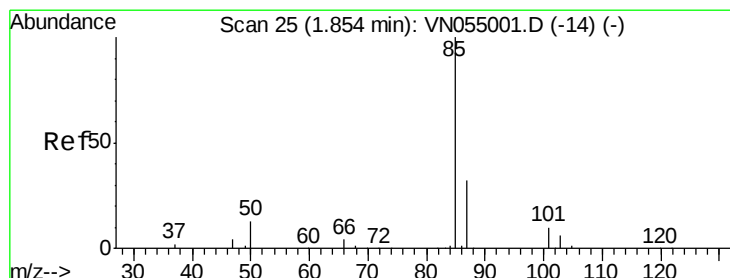
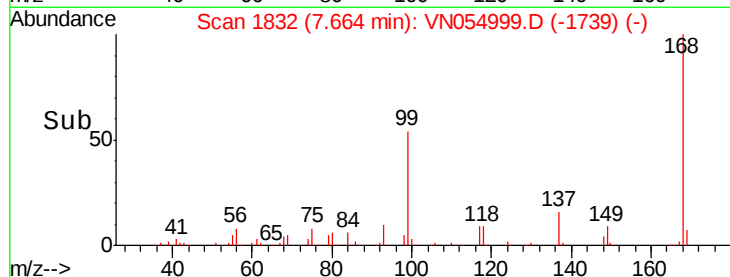
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.355 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054999.D

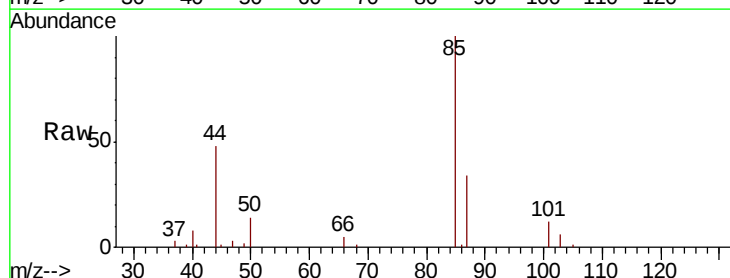
Acq: 12 Apr 2019 15:13

Tgt Ion: 85 Resp: 20775

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

15000

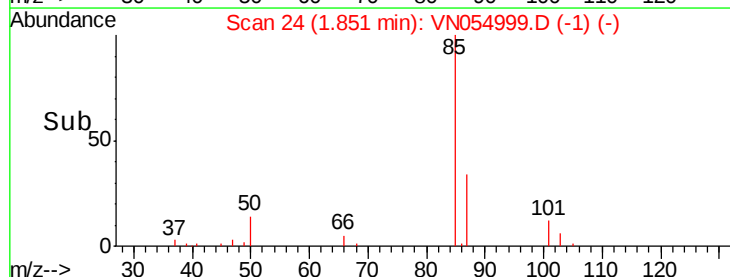
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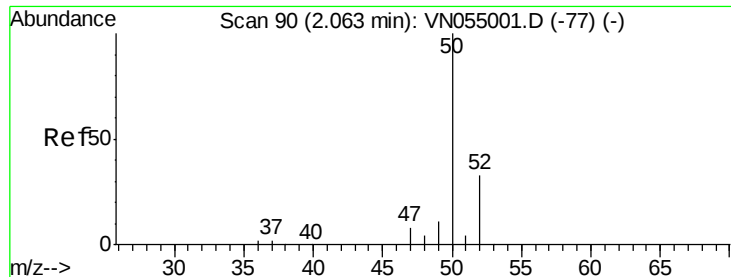
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.644 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

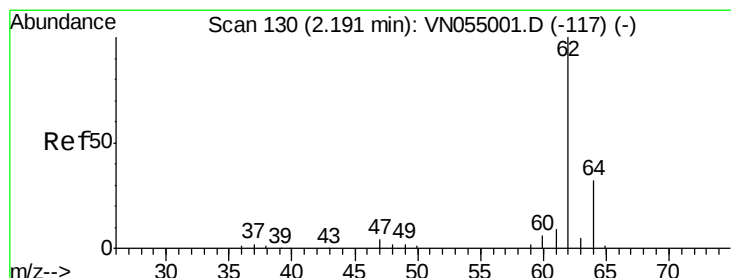
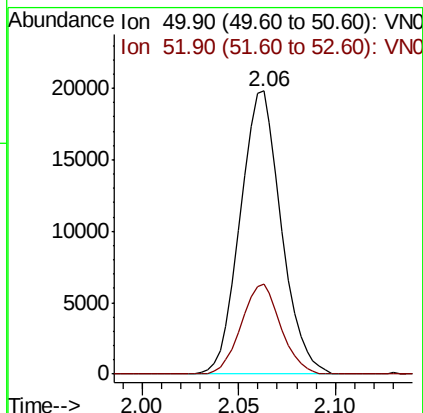
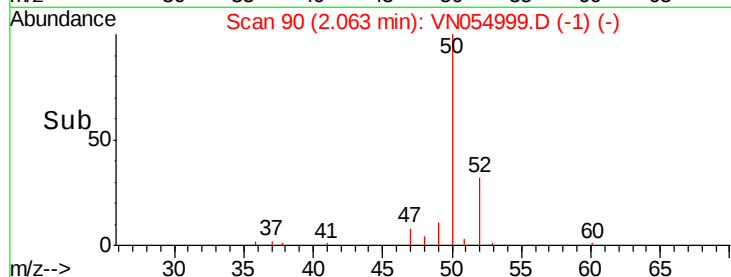
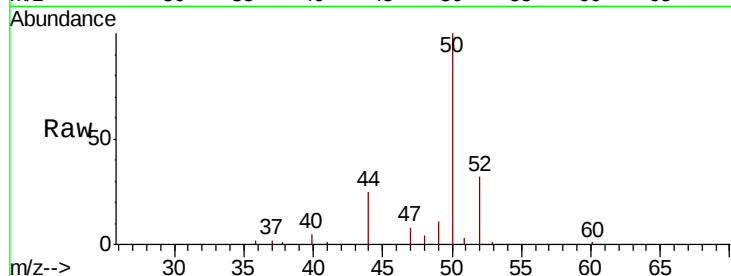
ClientSampled :

Tot Ion: 50 Resp: 29206

Ion Ratio Lower Upper

50 100

52 31.8 26.6 40.0



#4

Vinyl Chloride

Concen: 4.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054999.D

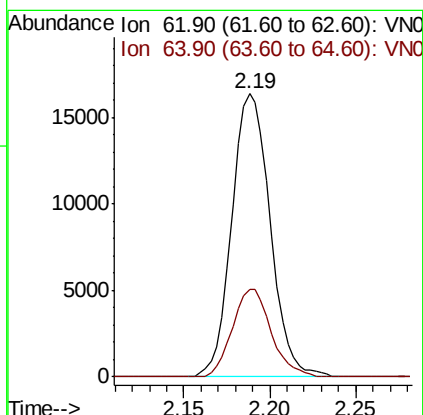
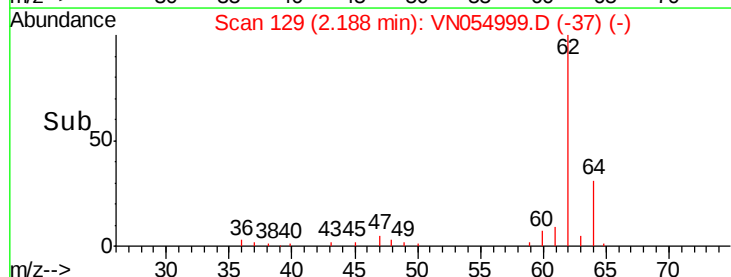
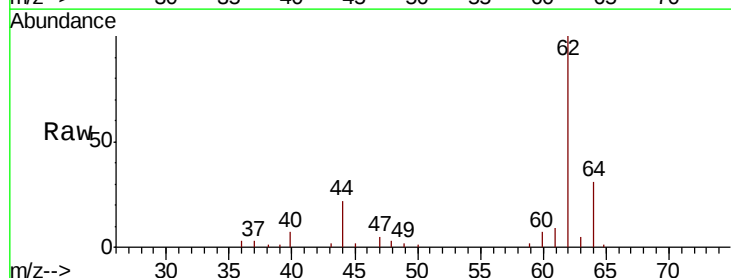
Acq: 12 Apr 2019 15:13

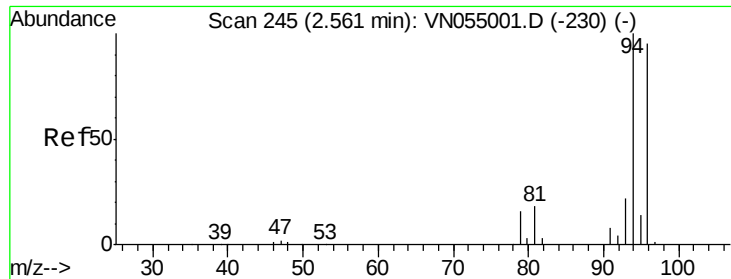
Tgt Ion: 62 Resp: 25399

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6

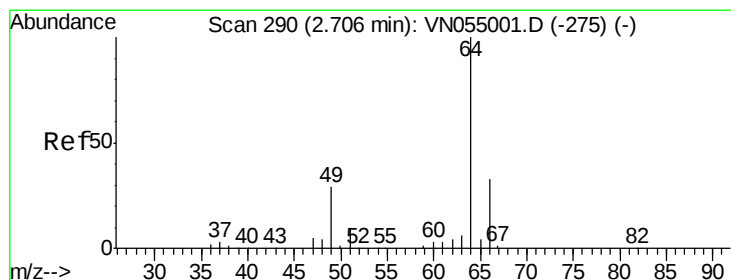
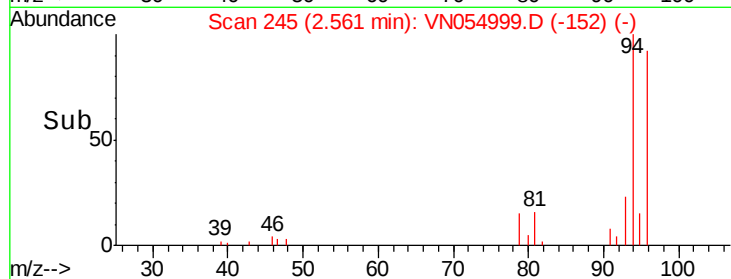
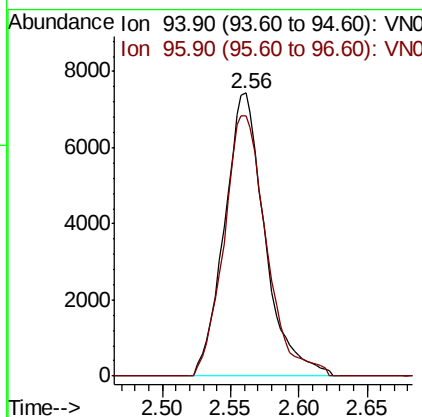
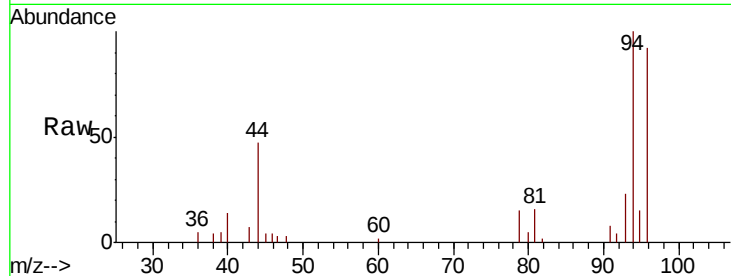




#5
Bromomethane
Concen: 4.911 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

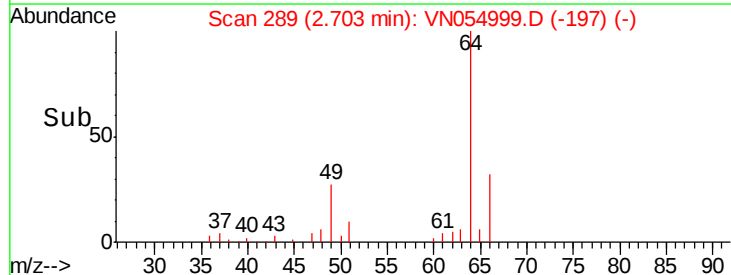
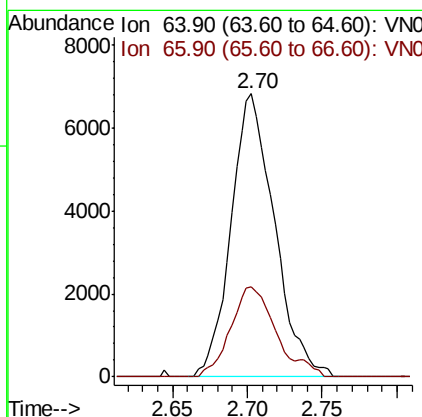
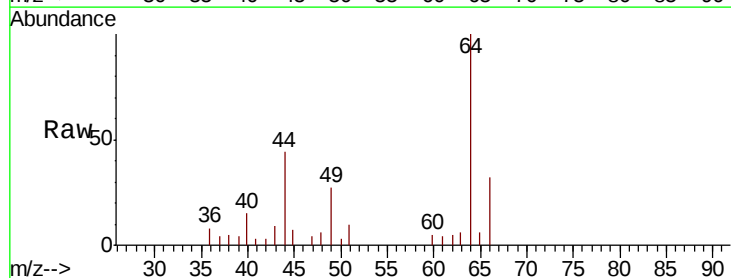
Instrument :
MSVOA_N
ClientSampled :

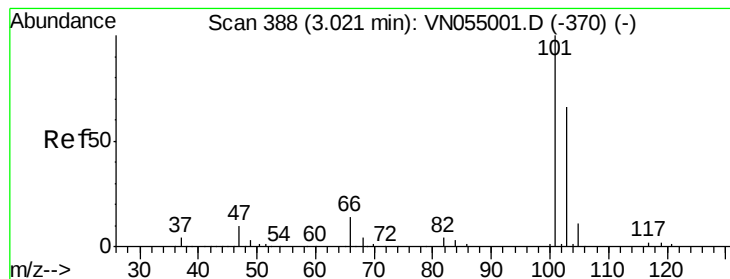
Tot Ion: 94 Resp: 15320
Ion Ratio Lower Upper
94 100
96 92.1 76.2 114.4



#6
Chloroethane
Concen: 4.506 ug/l
RT: 2.70 min Scan# 289
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 64 Resp: 13751
Ion Ratio Lower Upper
64 100
66 31.6 26.6 40.0



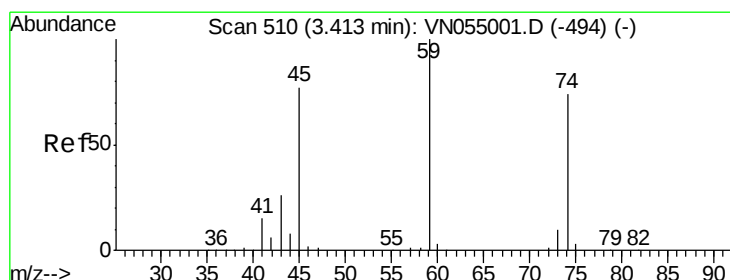
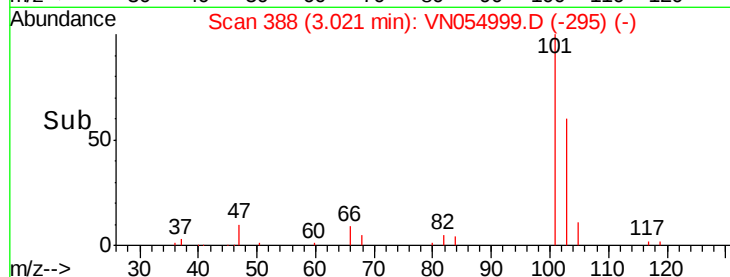
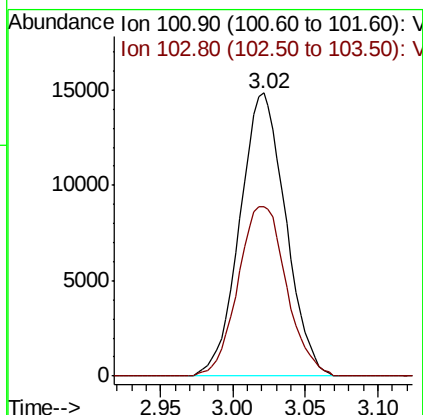
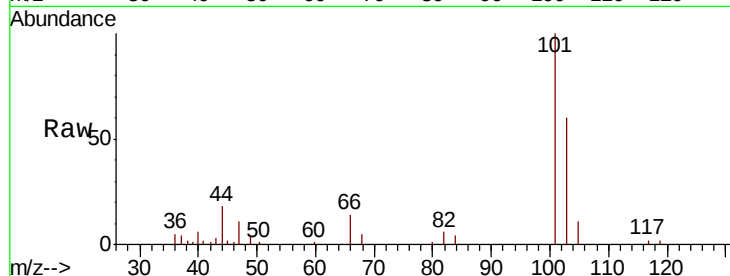


#7

Trichlorofluoromethane
 Concen: 4.898 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :

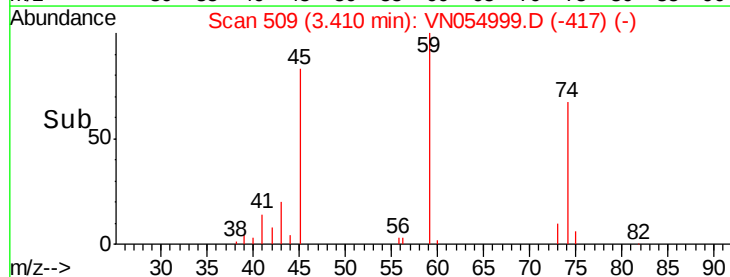
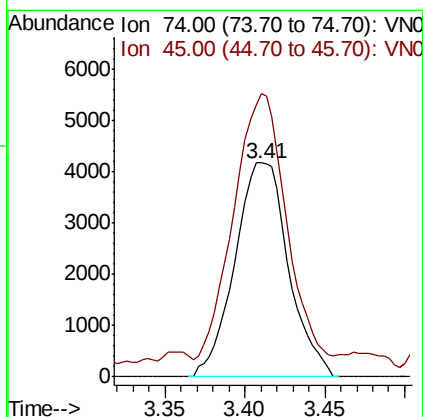
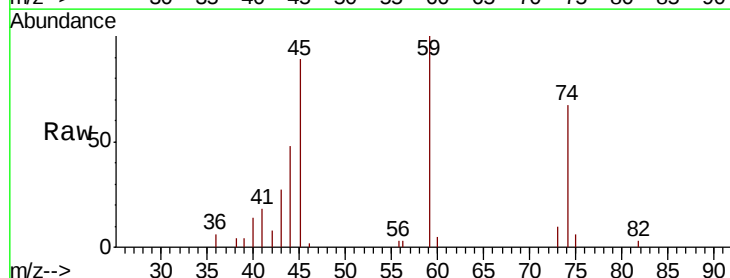
Tot Ion:101 Resp: 32582
 Ion Ratio Lower Upper
 101 100
 103 60.0 52.5 78.7

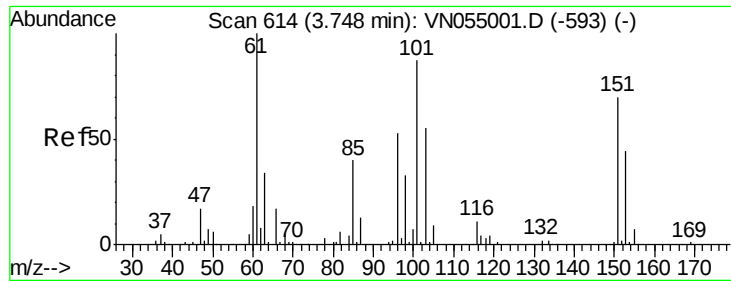


#8

Diethyl Ether
 Concen: 4.508 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 74 Resp: 9612
 Ion Ratio Lower Upper
 74 100
 45 120.0 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.890 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

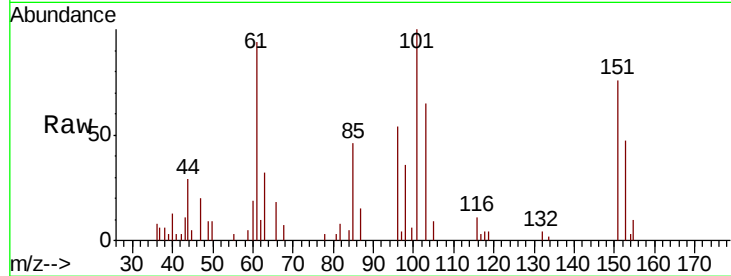
Tot Ion:101 Resp: 17215

Ion Ratio Lower Upper

101 100

85 46.4 36.9 55.3

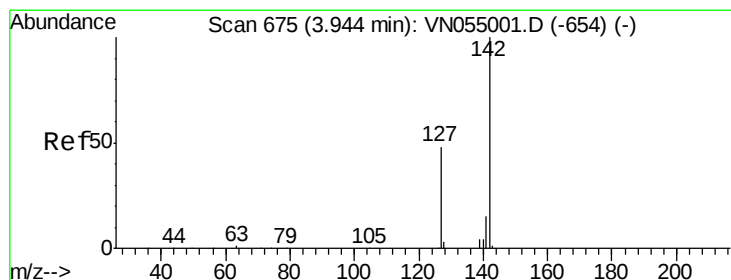
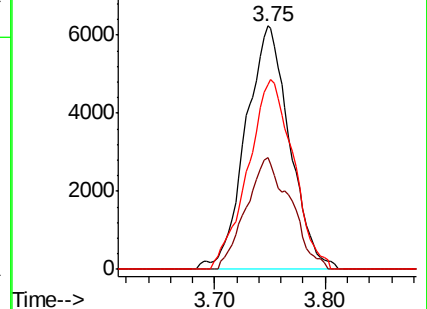
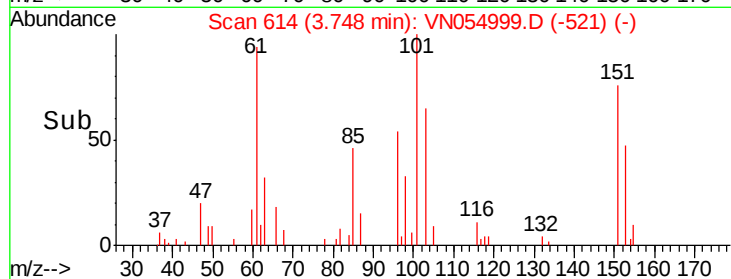
151 80.4 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.265 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

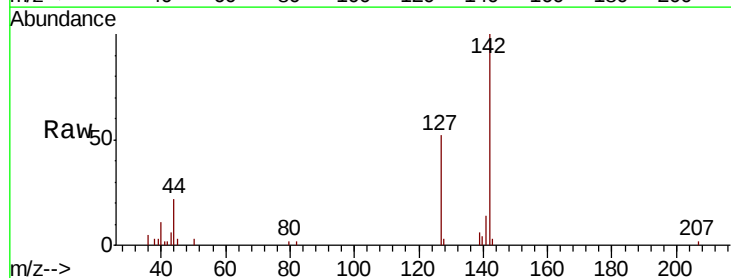
Tgt Ion:142 Resp: 21163

Ion Ratio Lower Upper

142 100

127 51.6 37.9 56.9

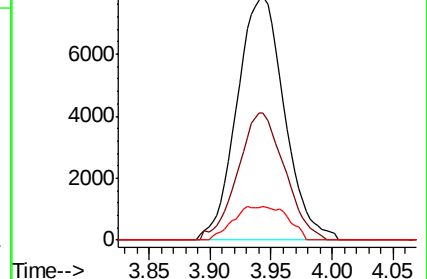
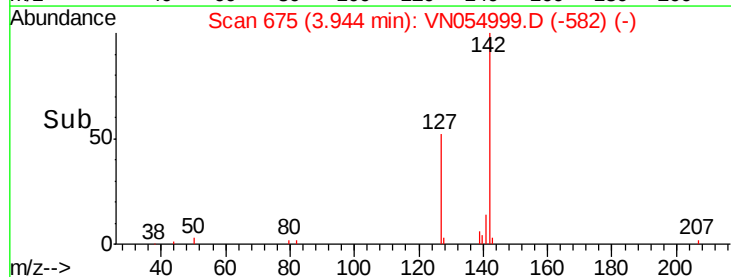
141 7.1 11.8 17.8#

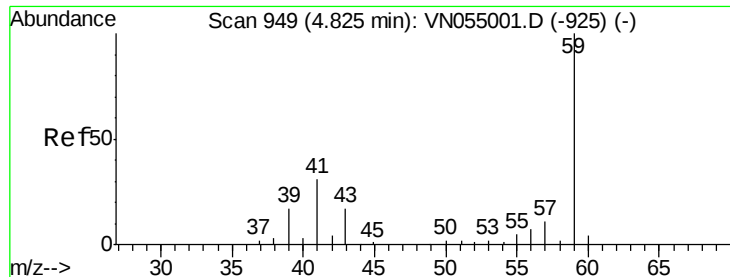


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

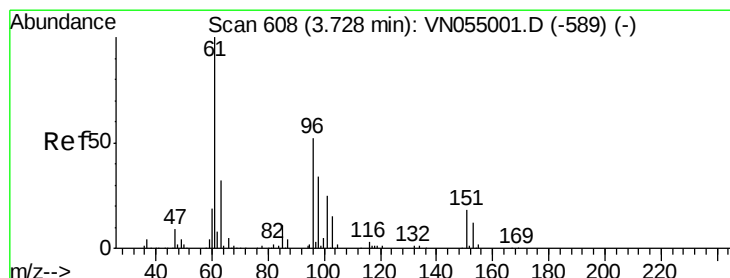
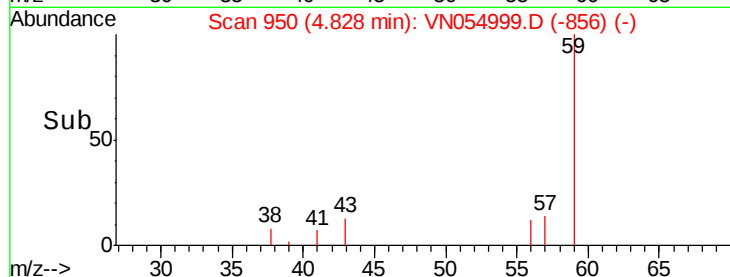
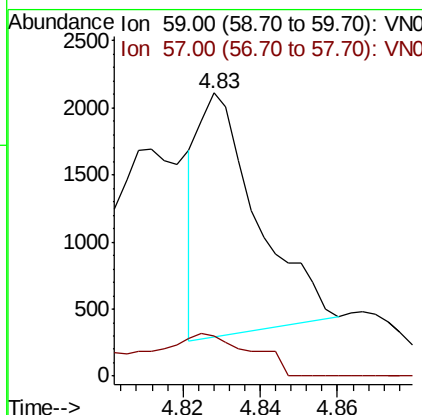
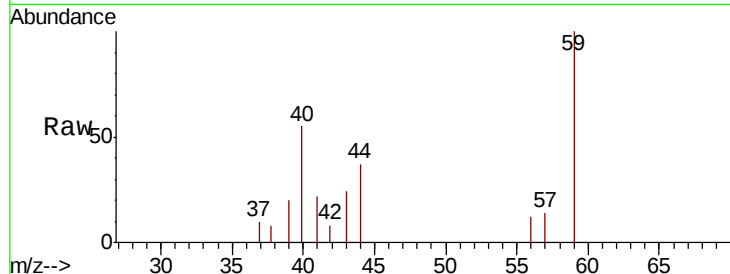




#11
Tert butyl alcohol
Concen: 6.728 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

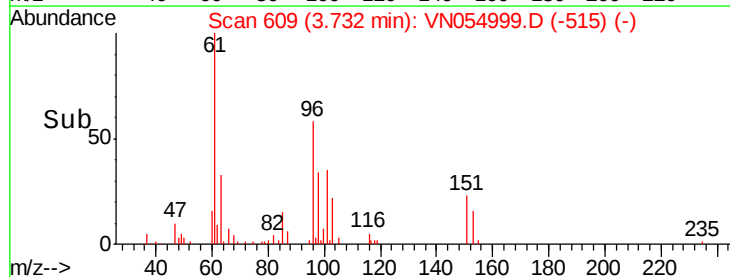
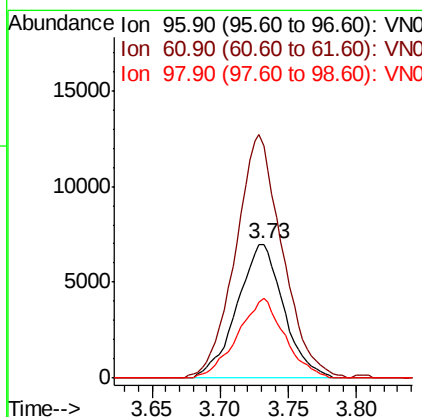
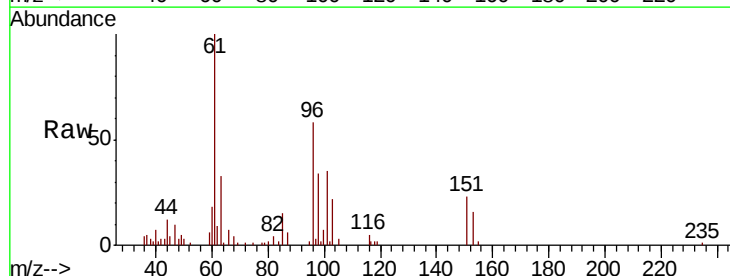
Instrument :
MSVOA_N
ClientSampled :

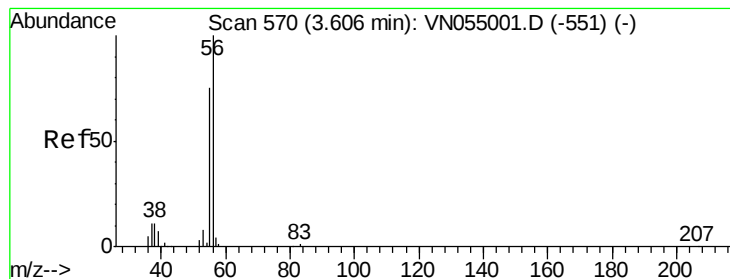
Tot Ion: 59 Resp: 1907
Ion Ratio Lower Upper
59 100
57 23.7 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 4.756 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 96 Resp: 16567
Ion Ratio Lower Upper
96 100
61 171.2 154.2 231.4
98 59.5 52.9 79.3





#13

Acrolein

Concen: 26.364 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

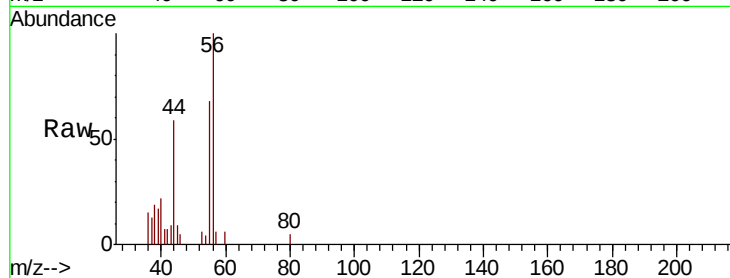
ClientSampleId :

Tot Ion: 56 Resp: 9761

Ion Ratio Lower Upper

56 100

55 37.3 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

4000

3000

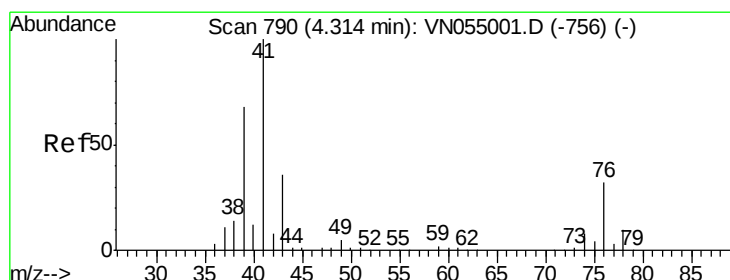
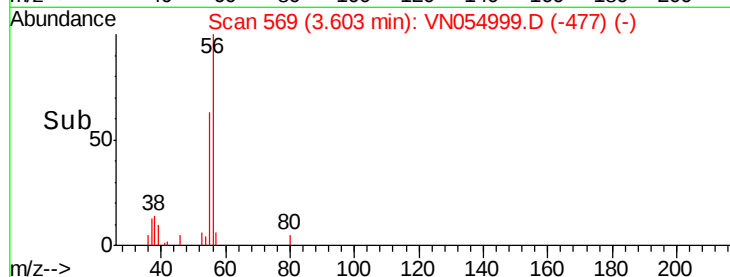
2000

1000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 4.580 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

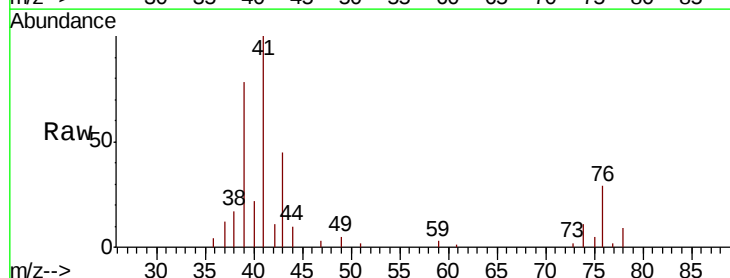
Tgt Ion: 41 Resp: 35836

Ion Ratio Lower Upper

41 100

39 70.9 52.7 79.1

76 28.1 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

15000

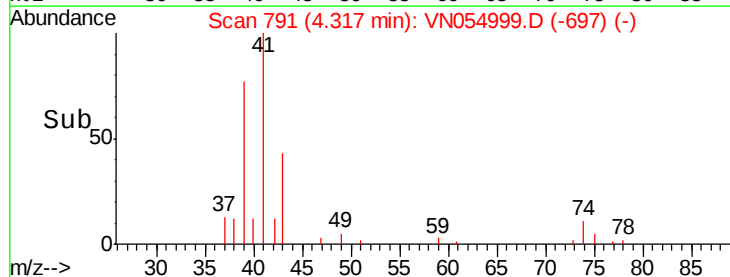
10000

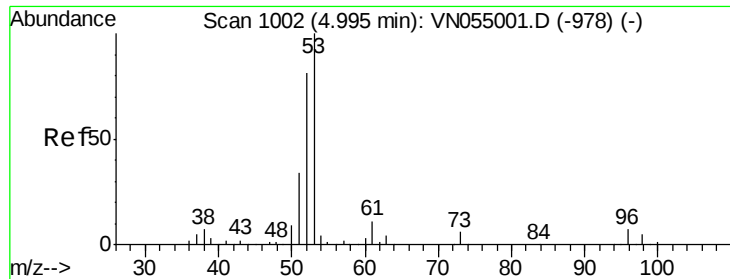
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 24.215 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

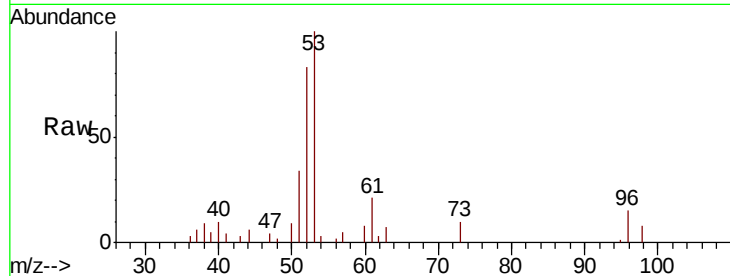
Tot Ion: 53 Resp: 40457

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

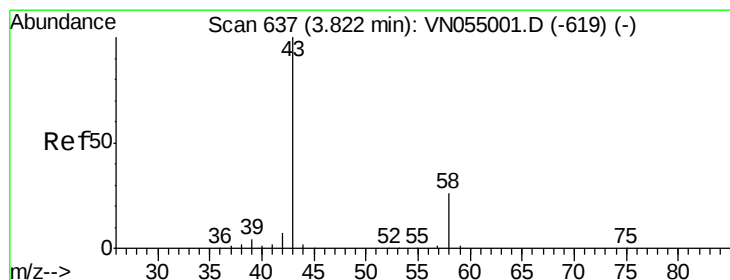
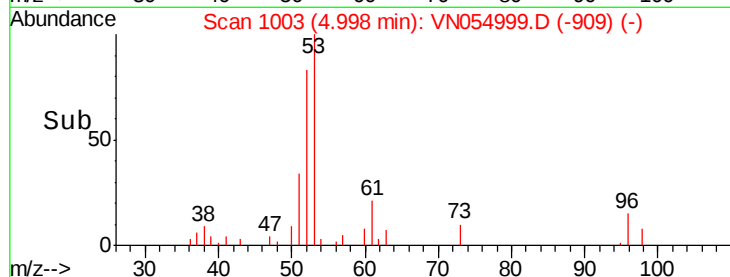
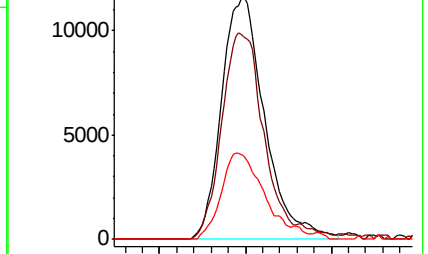
51 35.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055001.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN055001.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN055001.D (-978) (-)



#16

Acetone

Concen: 23.373 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054999.D

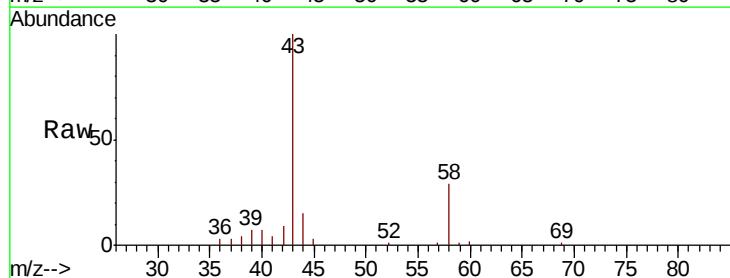
Acq: 12 Apr 2019 15:13

Tgt Ion: 43 Resp: 35000

Ion Ratio Lower Upper

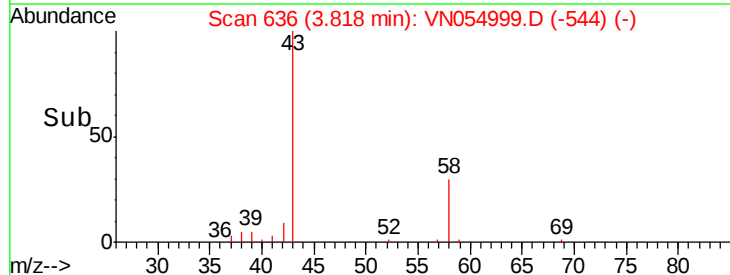
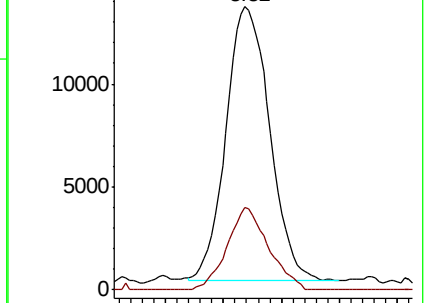
43 100

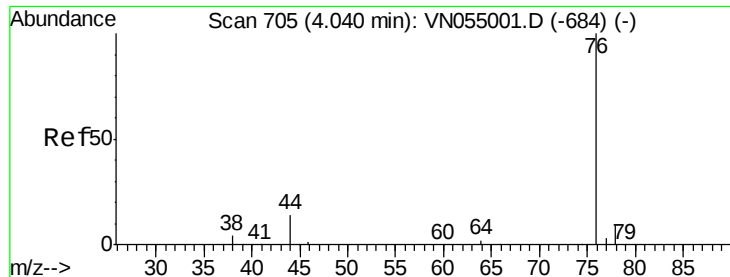
58 29.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-619) (-)

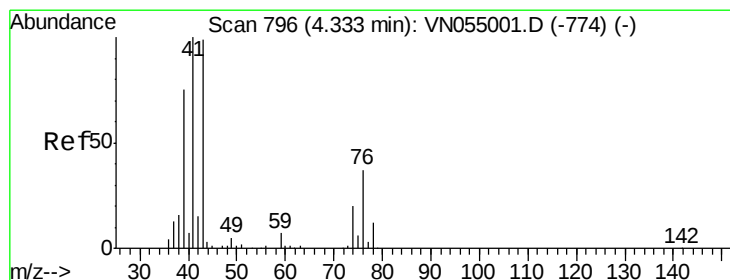
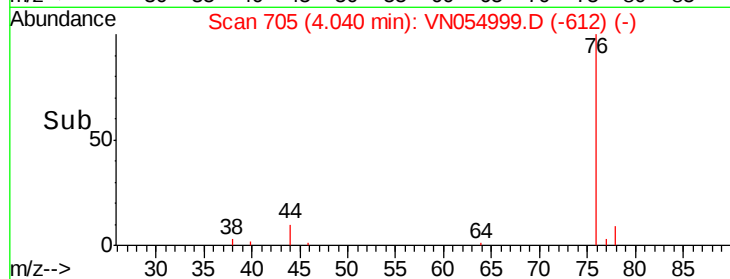
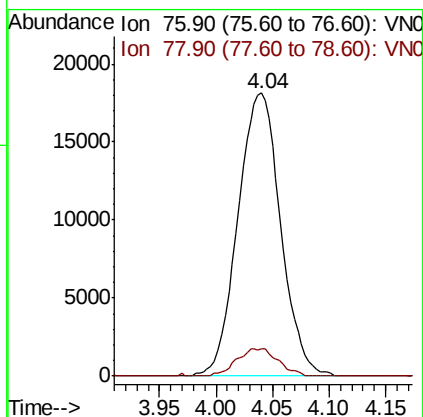
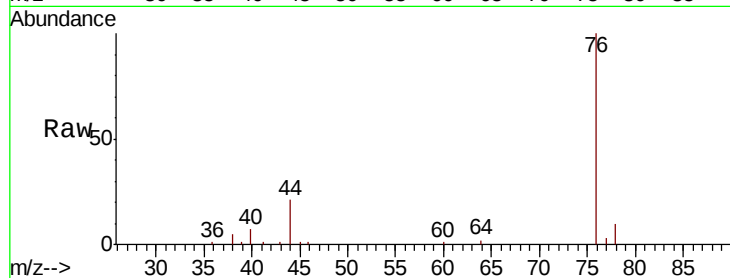




#17
Carbon Disulfide
Concen: 4.290 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

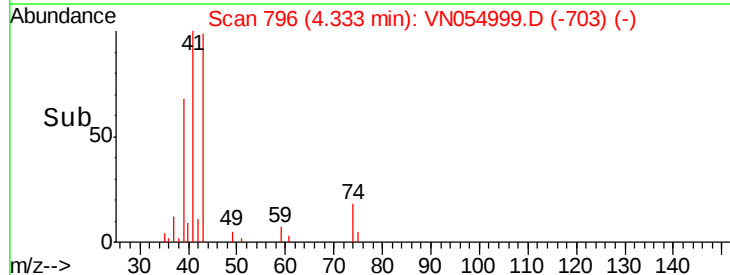
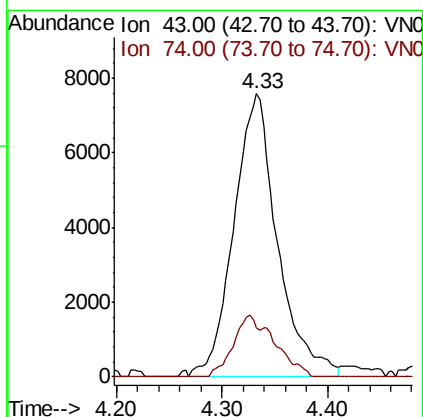
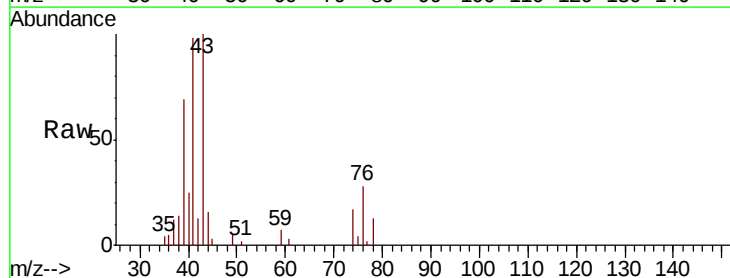
Instrument :
MSVOA_N
ClientSampled :

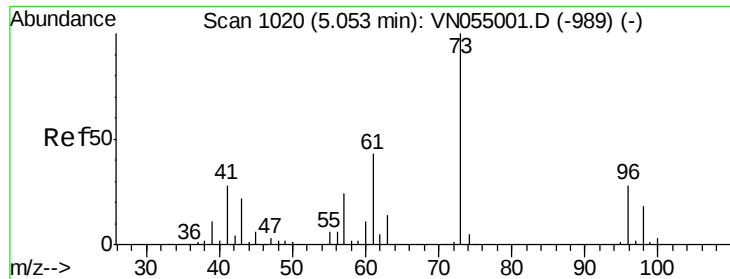
Tot Ion: 76 Resp: 47582
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 5.385 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 43 Resp: 21826
Ion Ratio Lower Upper
43 100
74 12.4 16.1 24.1#

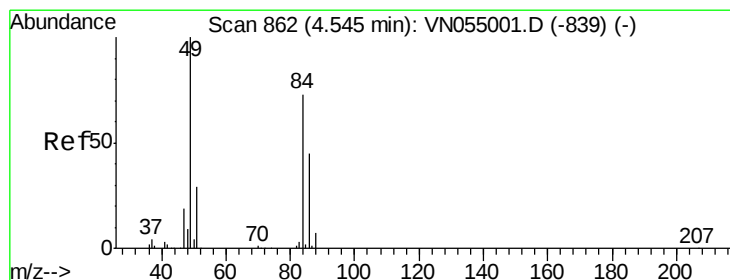
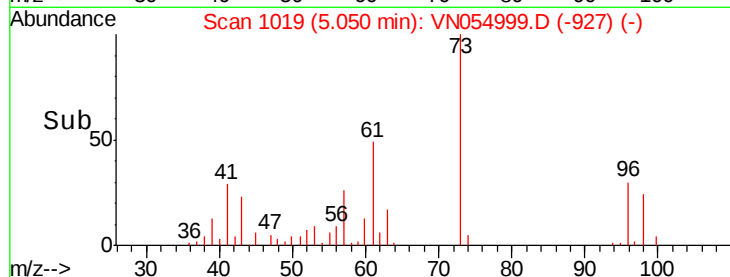
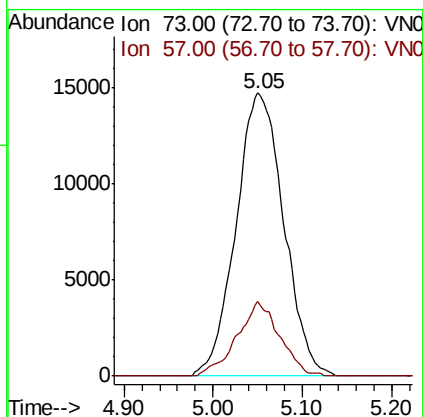
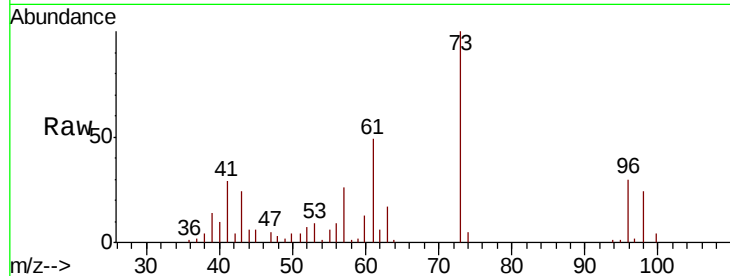




#19
Methvl tert-butvl Ether
Concen: 4.759 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

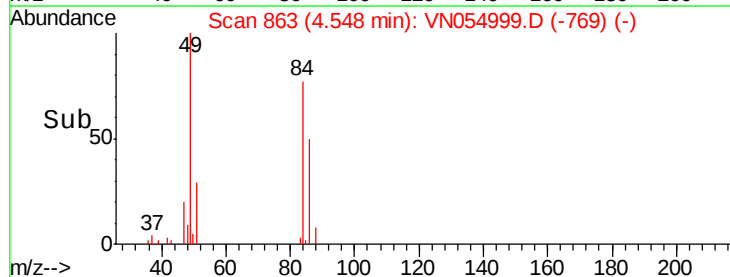
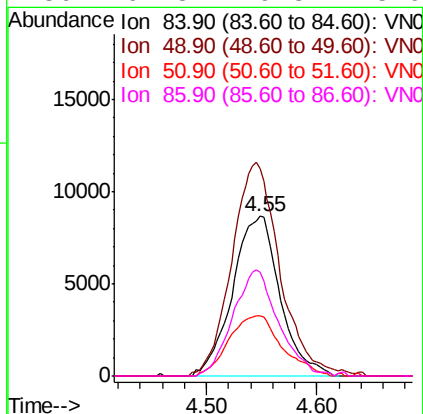
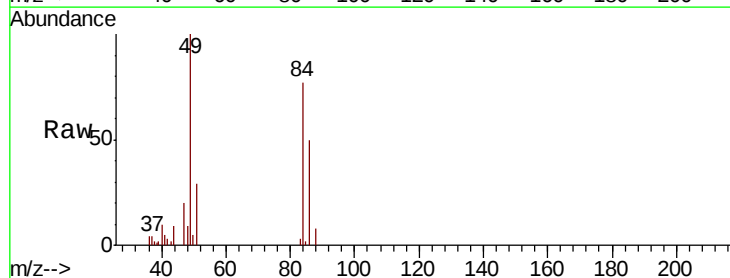
Instrument :
MSVOA_N
ClientSampleId :

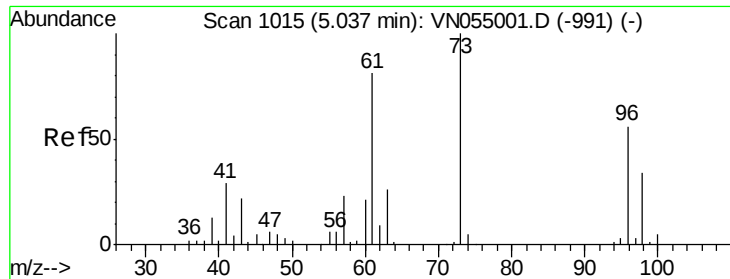
Tot Ion: 73 Resp: 54875
Ion Ratio Lower Upper
73 100
57 26.3 19.0 28.4



#20
Methylene Chloride
Concen: 5.232 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 84 Resp: 25840
Ion Ratio Lower Upper
84 100
49 130.5 109.4 164.2
51 37.9 32.2 48.4
86 64.8 49.3 73.9

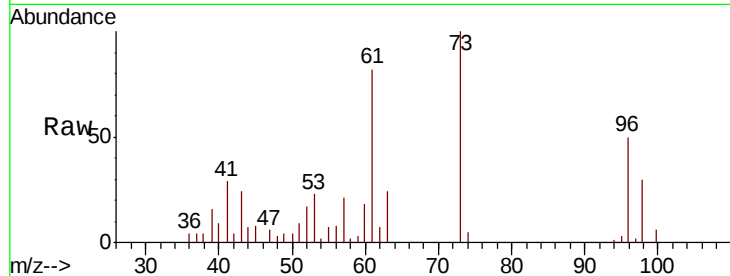




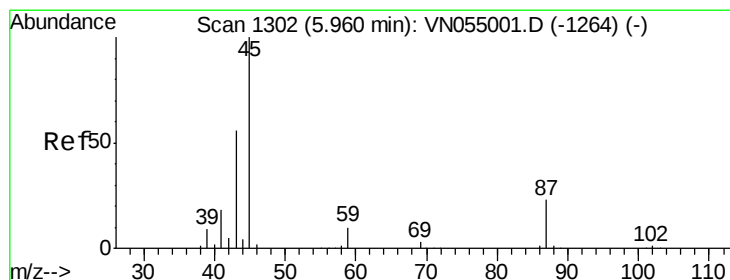
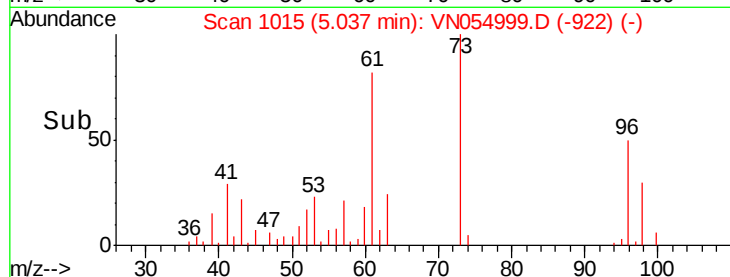
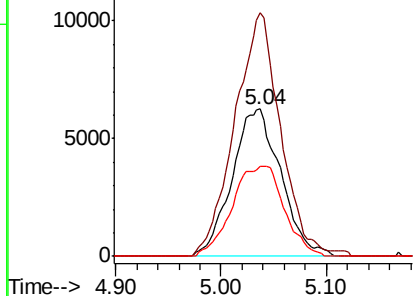
#21
trans-1,2-Dichloroethene
Concen: 4.567 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 20085
Ion Ratio Lower Upper
96 100
61 165.2 114.9 172.3
98 60.8 48.4 72.6

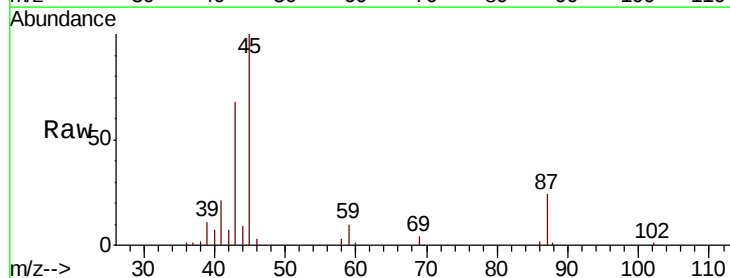


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

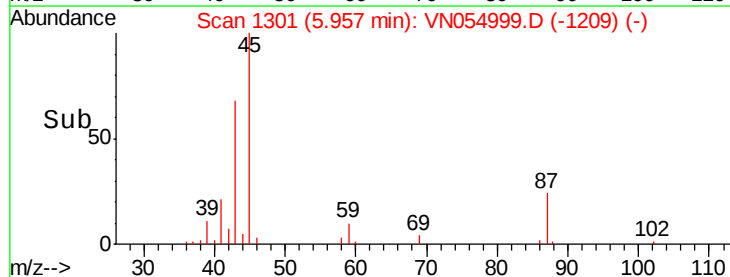
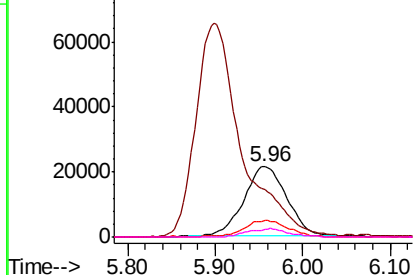


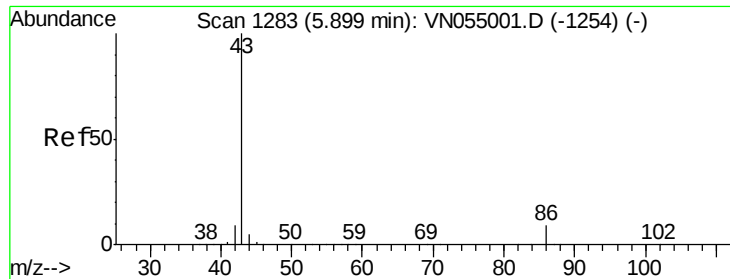
#22
Diisopropyl ether
Concen: 4.523 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 45 Resp: 72949
Ion Ratio Lower Upper
45 100
43 65.9 44.8 67.2
87 23.8 18.9 28.3
59 10.2 7.9 11.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

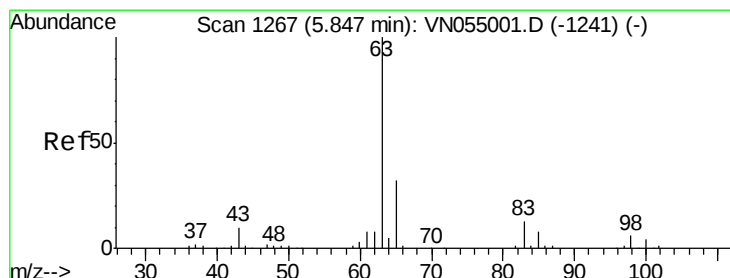
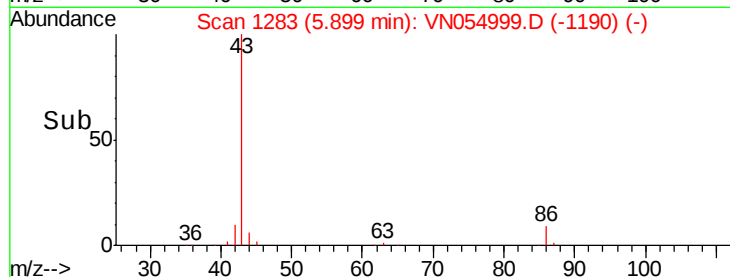
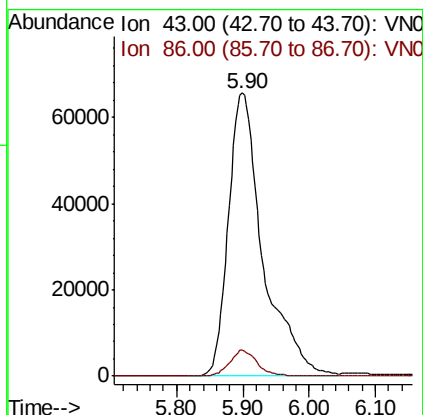
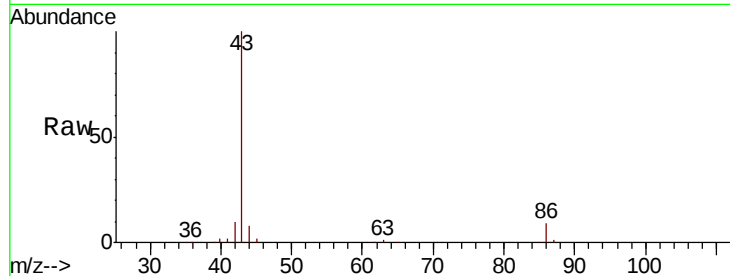




#23
 Vinyl Acetate
 Concen: 21.275 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

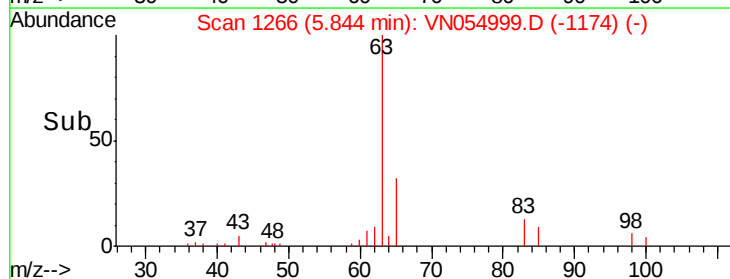
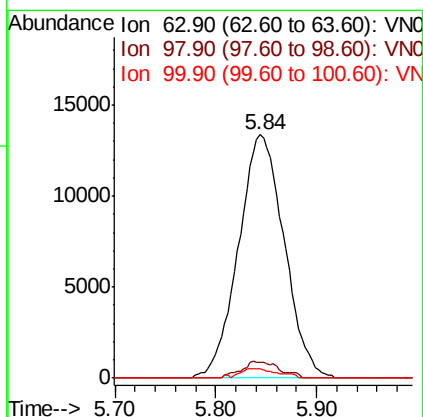
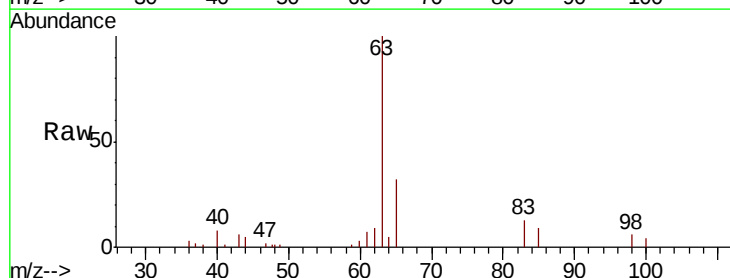
Instrument :
 MSVOA_N
 ClientSampleId :

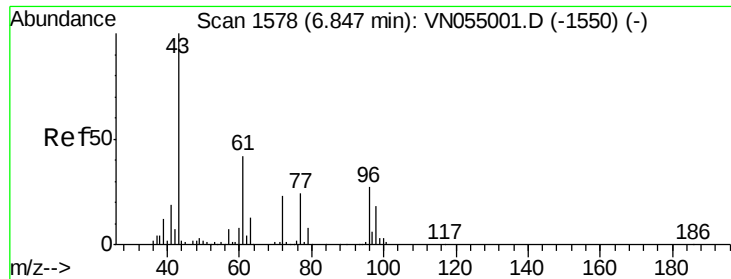
Tot Ion: 43 Resp: 239063
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 4.791 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 63 Resp: 42004
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.8 8.4
 100 3.7 2.0 5.8

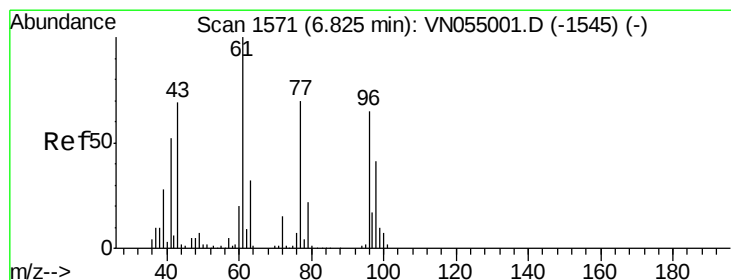
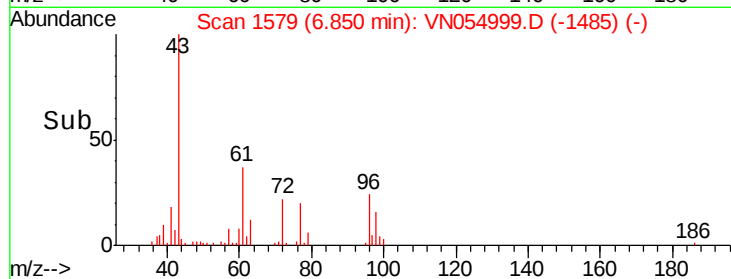
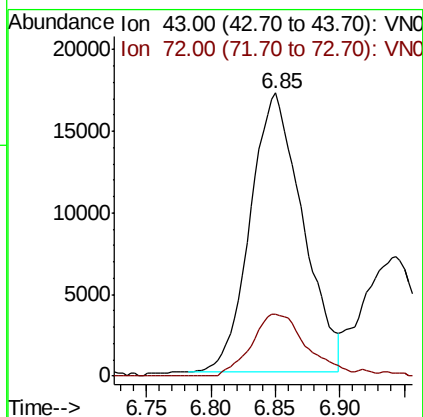
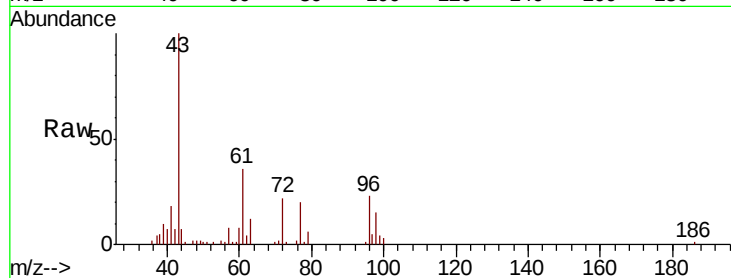




#25
2-Butanone
Concen: 23.953 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

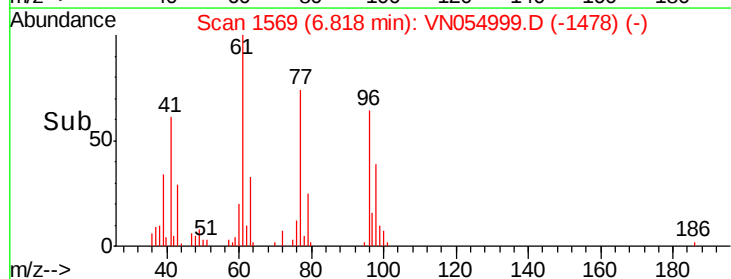
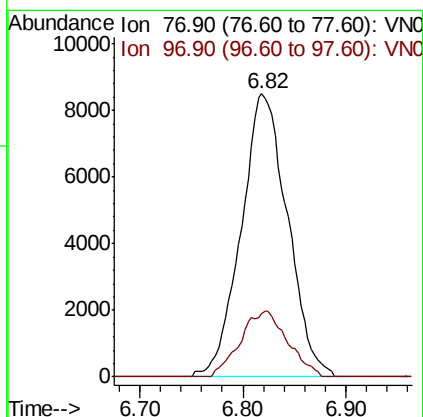
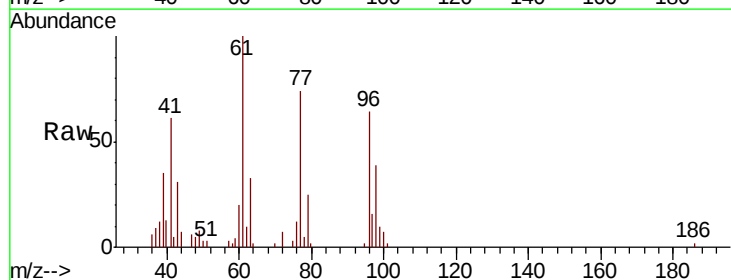
Instrument :
MSVOA_N
ClientSampleId :

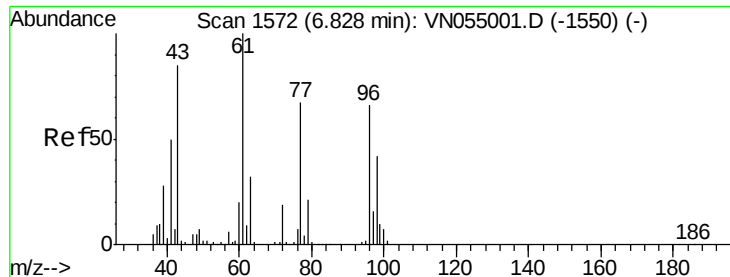
Tot Ion: 43 Resp: 48382
Ion Ratio Lower Upper
43 100
72 22.0 18.1 27.1



#26
2,2-Dichloropropane
Concen: 4.355 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 77 Resp: 26596
Ion Ratio Lower Upper
77 100
97 23.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 4.790 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :

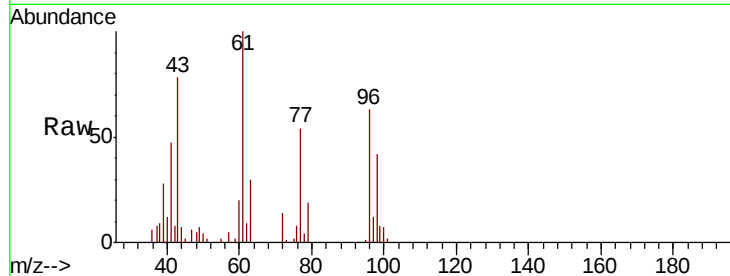
Tot Ion: 96 Resp: 23994

Ion Ratio Lower Upper

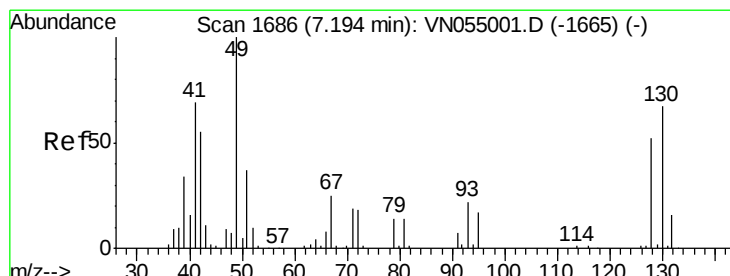
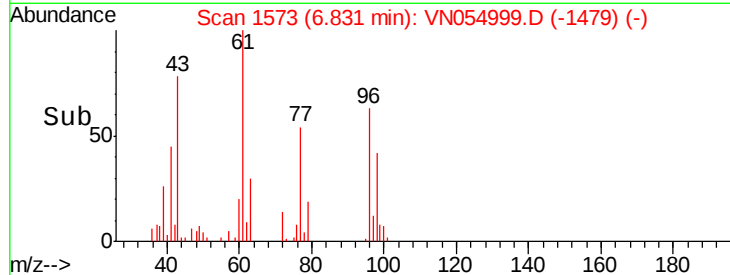
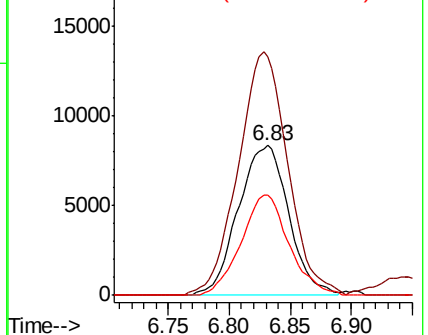
96 100

61 158.6 0.0 311.0

98 63.7 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.231 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

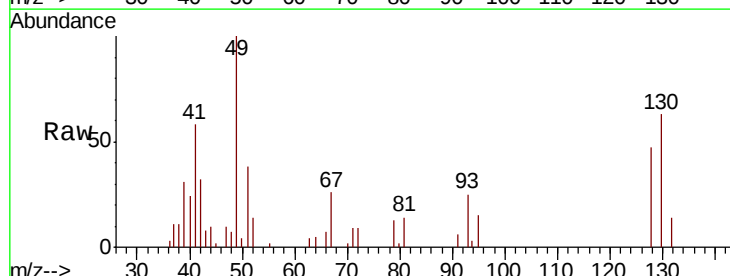
Tgt Ion: 49 Resp: 21658

Ion Ratio Lower Upper

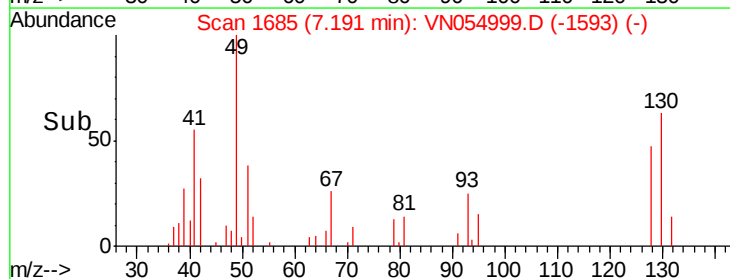
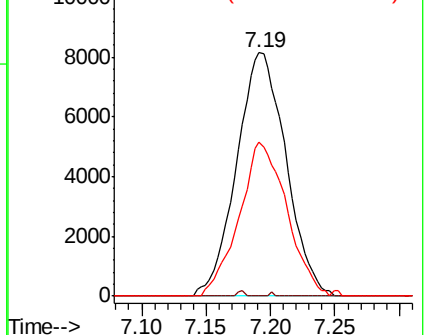
49 100

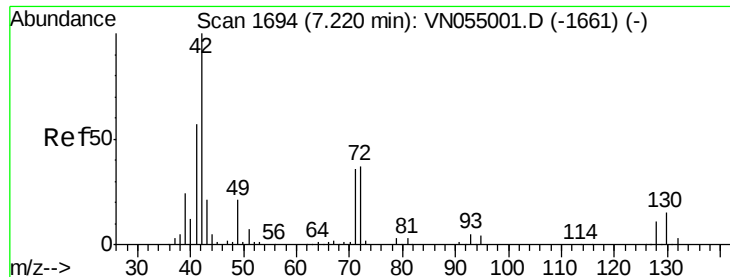
129 0.1 0.0 2.0

130 61.0 53.4 80.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

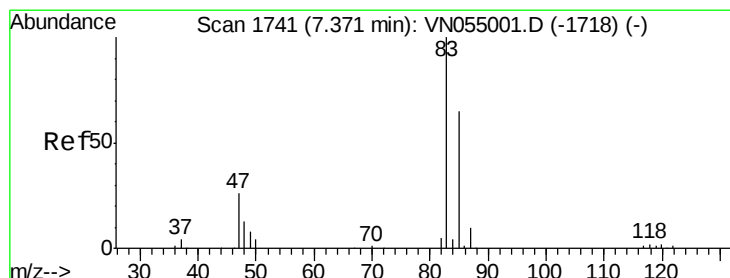
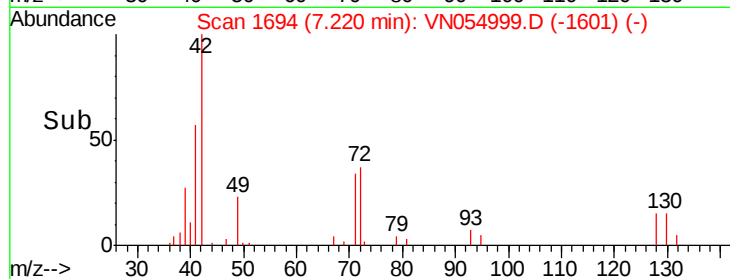
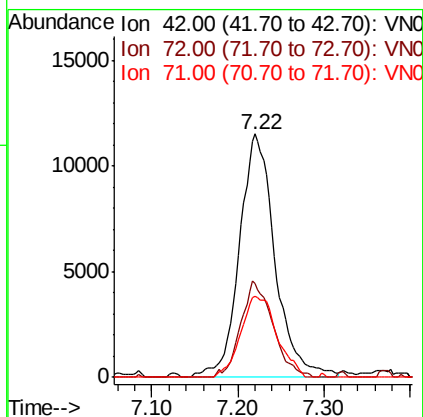
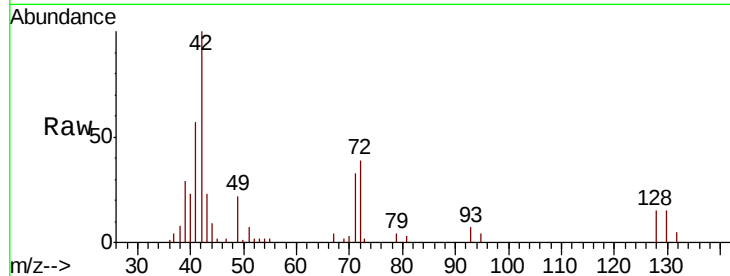




#29
Tetrahydrofuran
Concen: 24.857 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

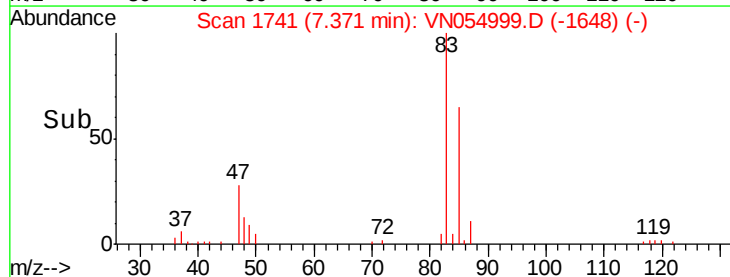
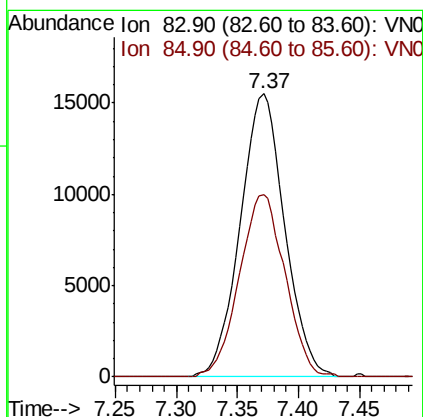
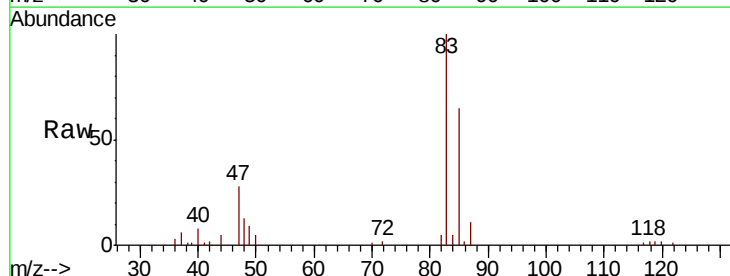
Instrument :
MSVOA_N
ClientSampled :

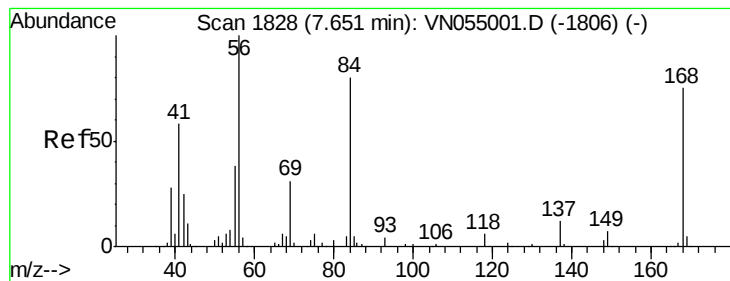
Tot Ion: 42 Resp: 33194
Ion Ratio Lower Upper
42 100
72 35.6 29.4 44.0
71 33.8 27.8 41.6



#30
Chloroform
Concen: 4.700 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 83 Resp: 39105
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6





#31

Cyclohexane

Concen: 4.552 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

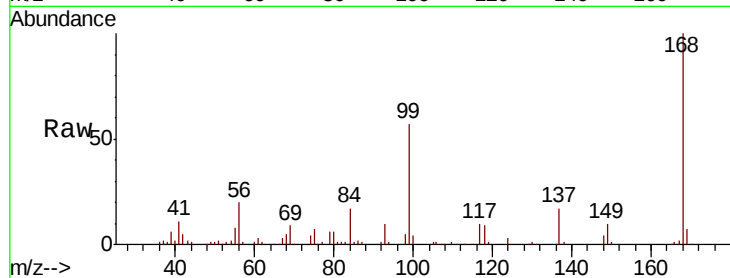
Tot Ion: 56 Resp: 45545

Ion Ratio Lower Upper

56 100

69 42.6 24.5 36.7#

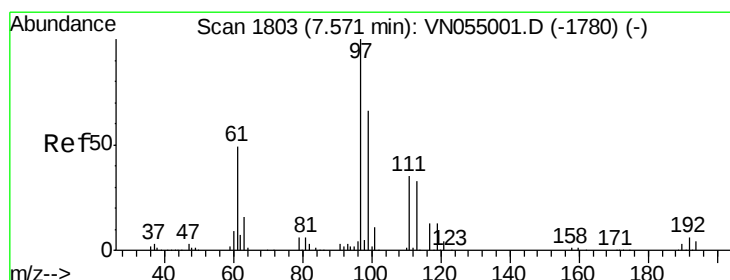
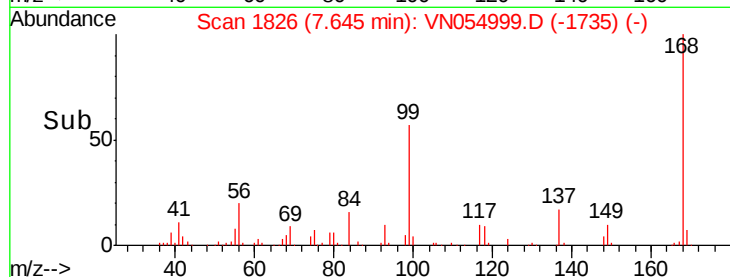
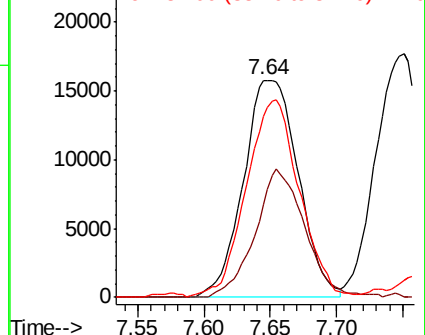
84 82.2 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 4.458 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

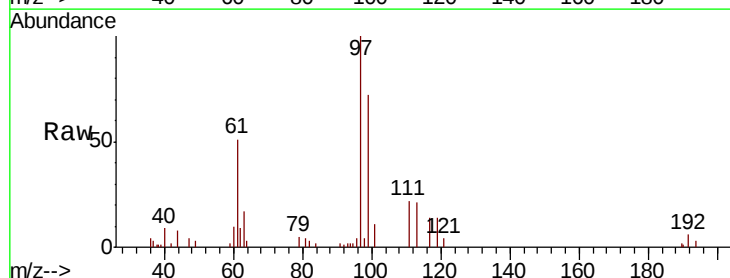
Tgt Ion: 97 Resp: 31172

Ion Ratio Lower Upper

97 100

99 67.5 51.6 77.4

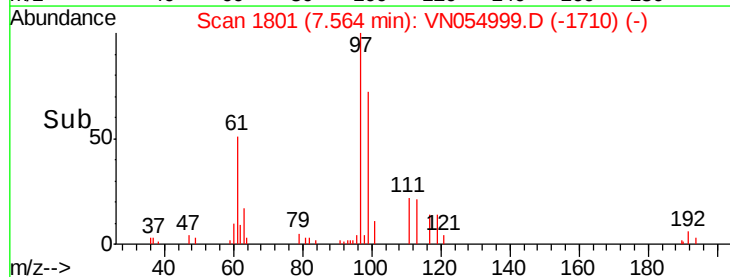
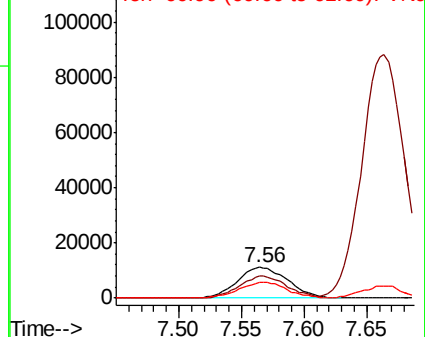
61 49.0 38.3 57.5

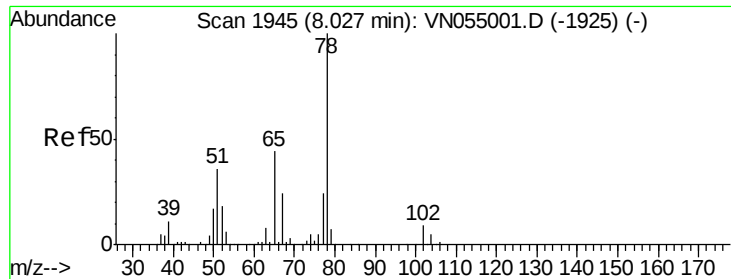


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

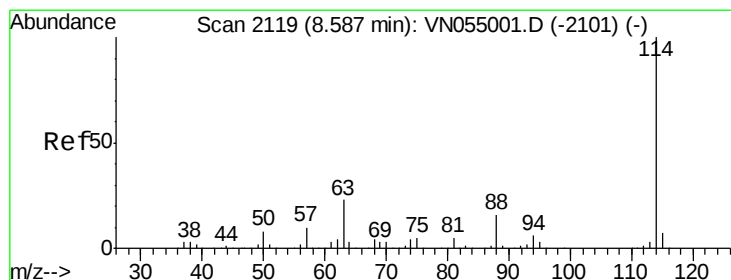
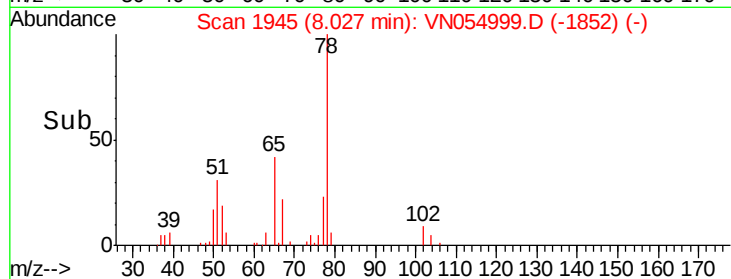
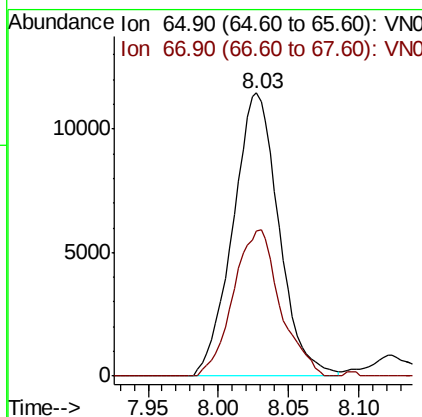
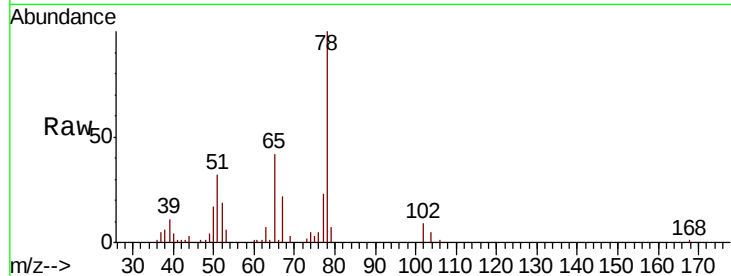




#33
 1,2-Dichloroethane-d4
 Concen: 4.909 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

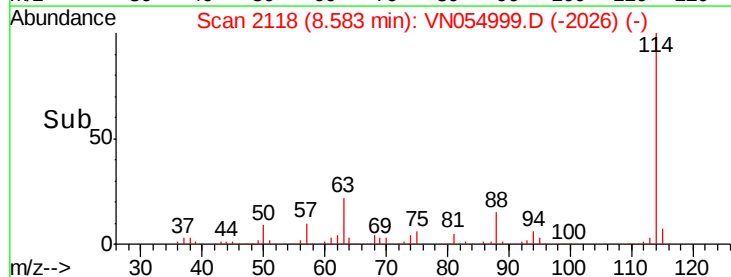
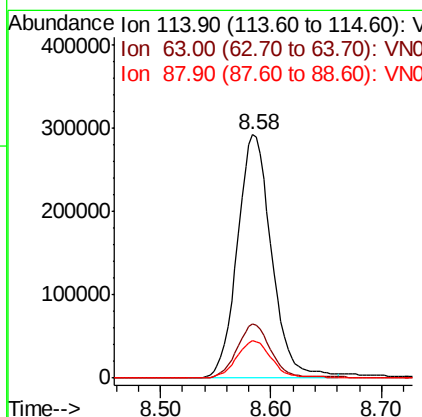
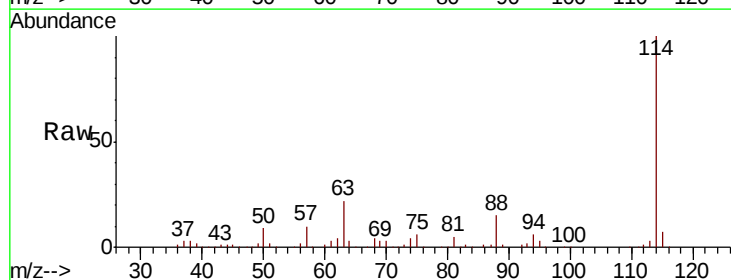
Instrument :
 MSVOA_N
 ClientSampled :

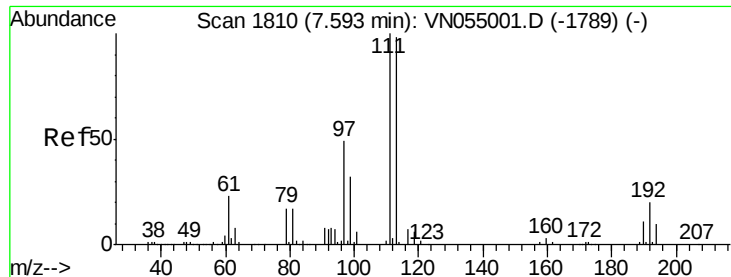
Tot Ion: 65 Resp: 26119
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 114 Resp: 631134
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 15.3 0.0 31.8

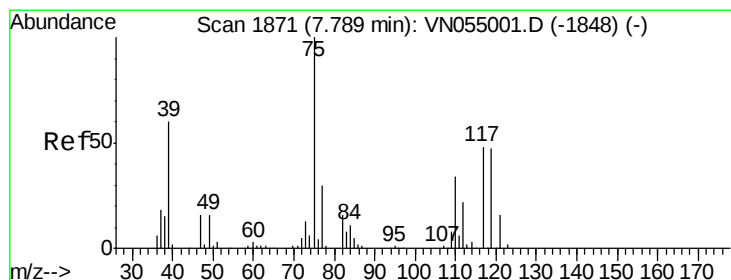
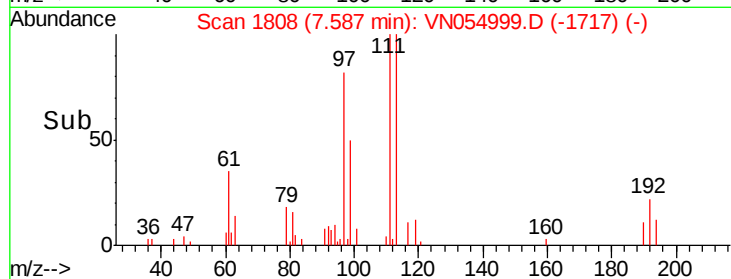
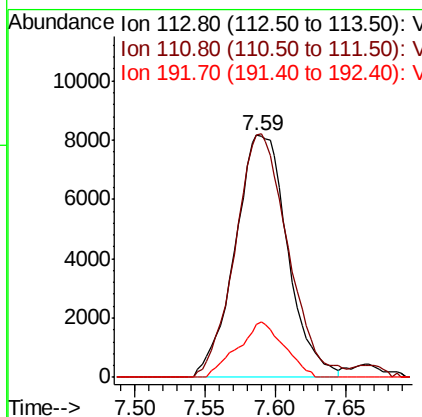
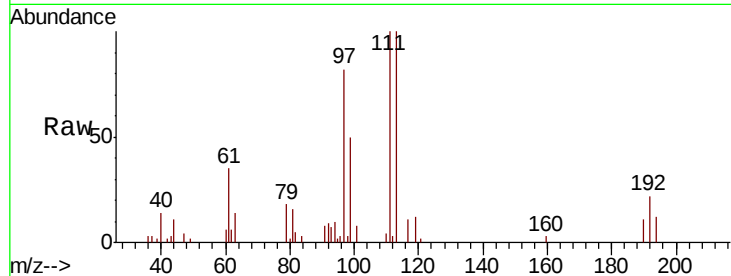




#35
 Dibromofluoromethane
 Concen: 5.171 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

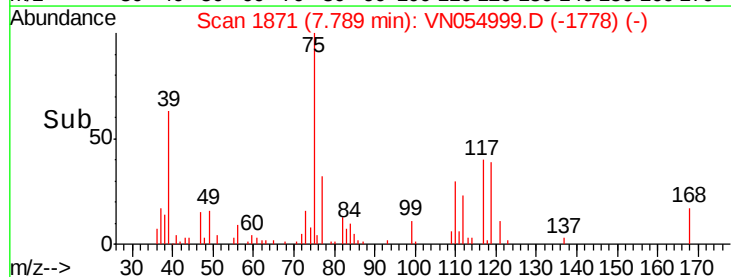
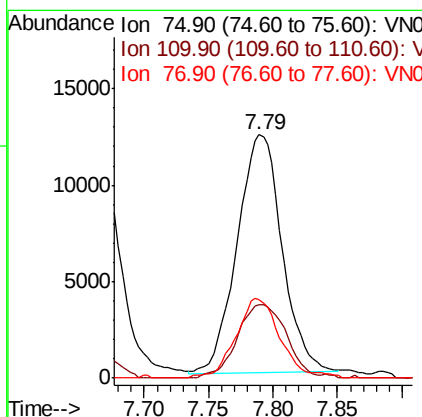
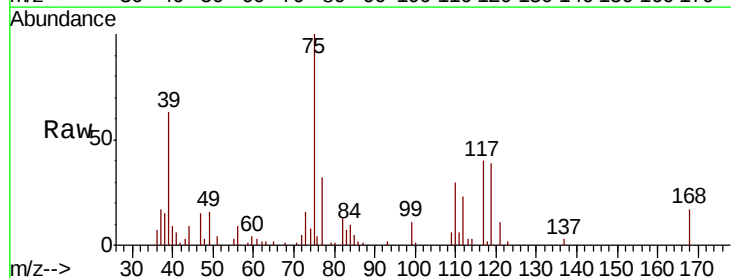
Instrument :
 MSVOA_N
 ClientSampleId :

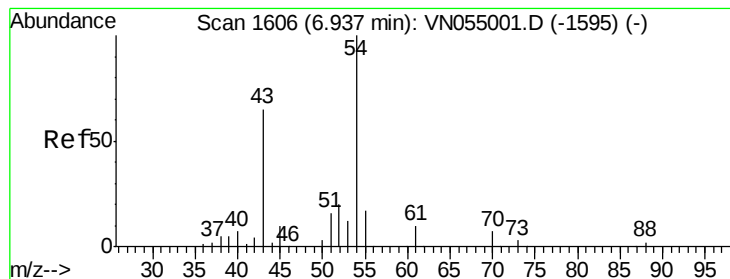
Tot Ion:113 Resp: 21240
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.1 123.1
 192 20.1 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 75 Resp: 29971
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.5 52.5
 77 33.1 24.9 37.3





#37

Ethyl Acetate

Concen: 4.740 ug/l

RT: 6.94 min Scan# 1608

Delta R.T. 0.01 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

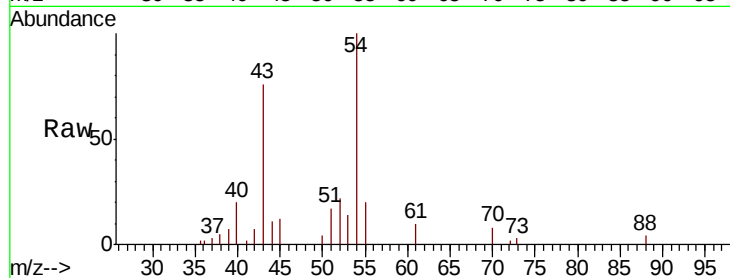
Tot Ion: 43 Resp: 20536

Ion Ratio Lower Upper

43 100

61 14.7 10.0 15.0

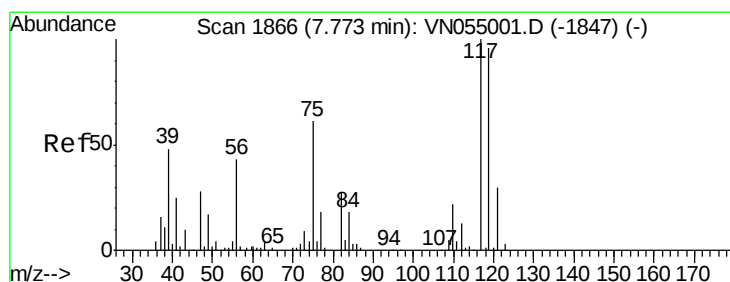
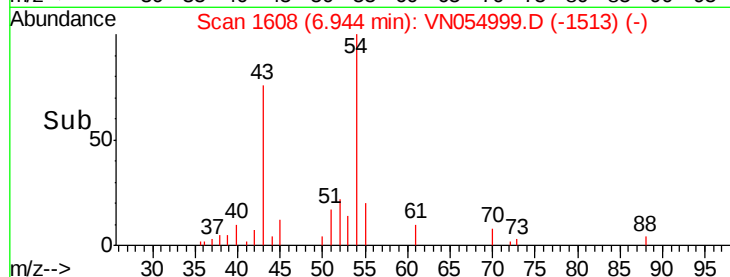
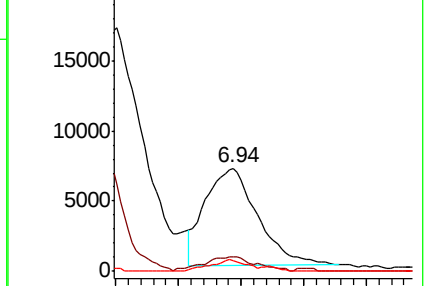
70 8.0 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1595) (-)

Ion 60.90 (60.60 to 61.60): VN055001.D (-1595) (-)

Ion 70.00 (69.70 to 70.70): VN055001.D (-1595) (-)



#38

Carbon Tetrachloride

Concen: 4.540 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

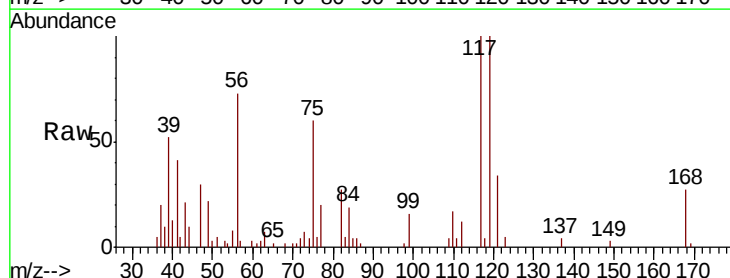
Tgt Ion: 117 Resp: 26934

Ion Ratio Lower Upper

117 100

119 99.5 76.3 114.5

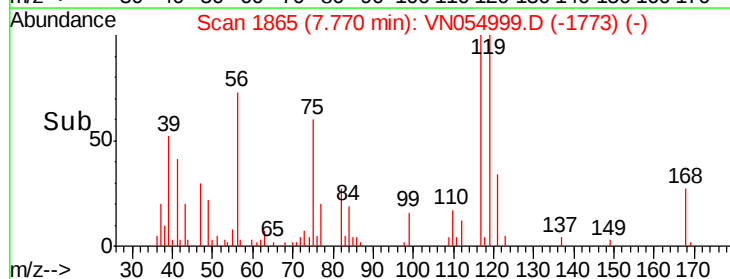
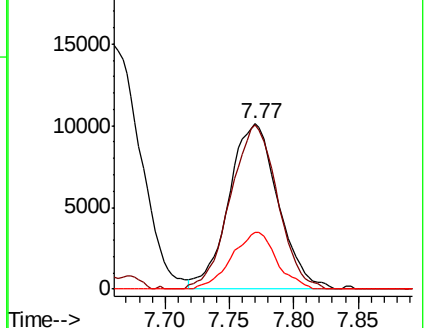
121 34.1 23.9 35.9

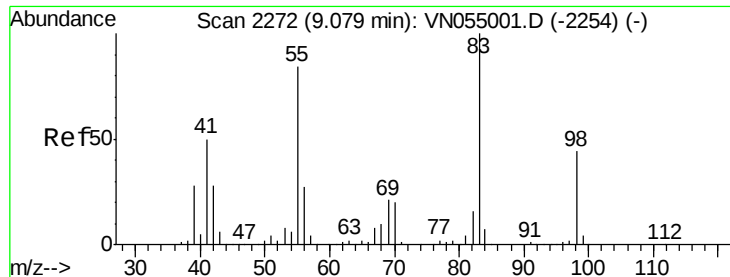


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055001.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055001.D (-1847) (-)

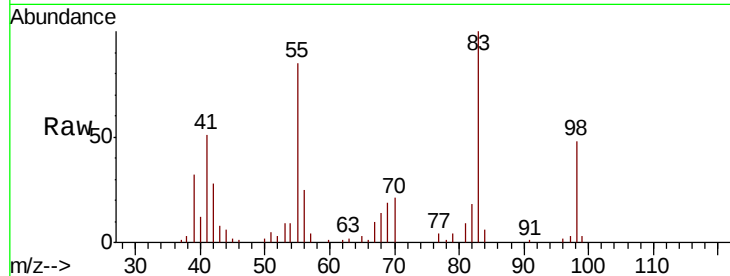




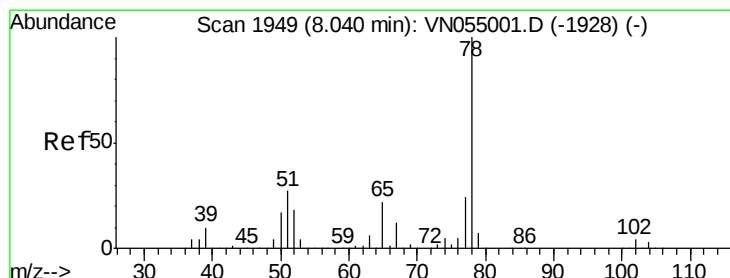
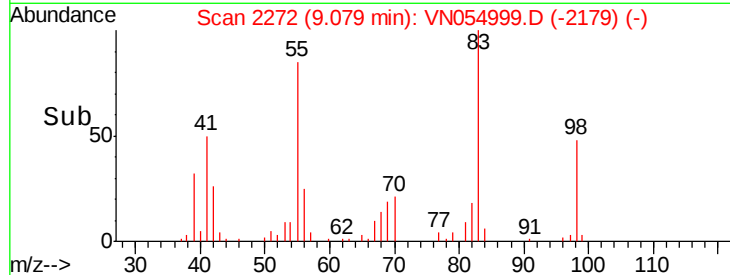
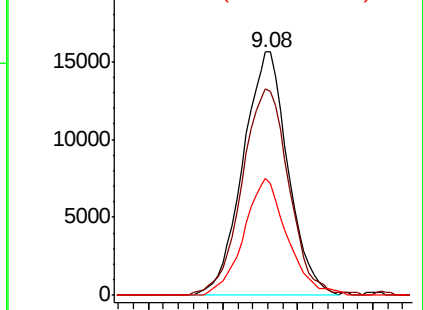
#39
Methvlcvclohexane
Concen: 4.803 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 32625
Ion Ratio Lower Upper
83 100
55 84.7 67.0 100.4
98 48.0 35.6 53.4

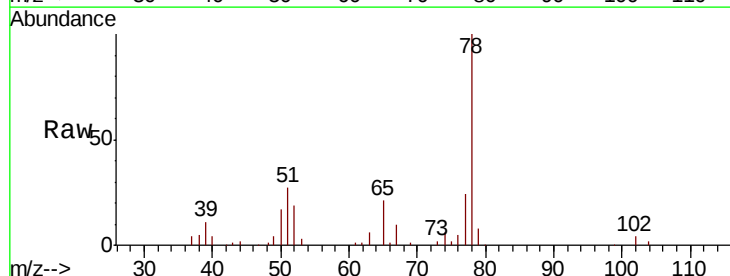


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

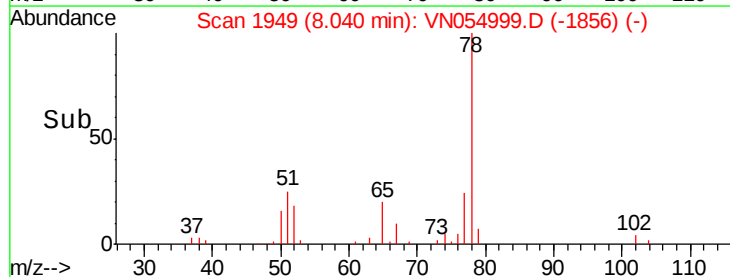
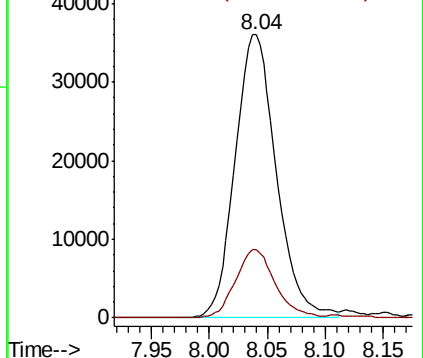


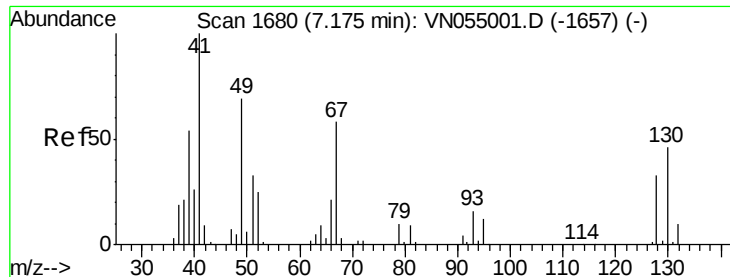
#40
Benzene
Concen: 5.007 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 78 Resp: 89324
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 3.738 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 9233

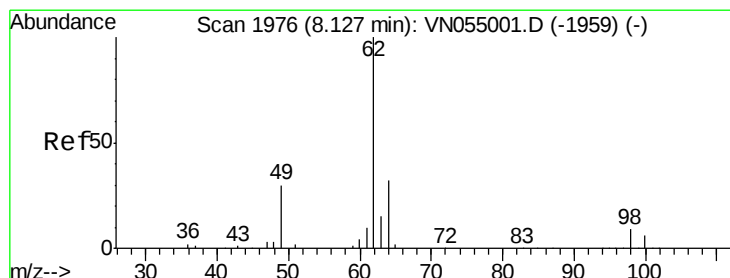
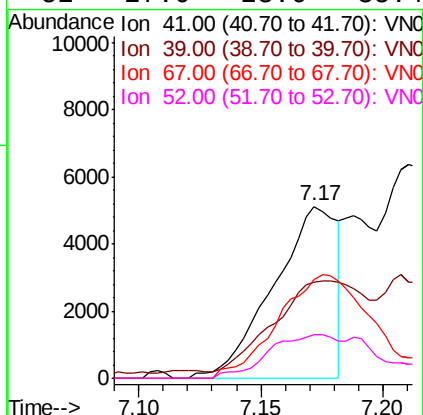
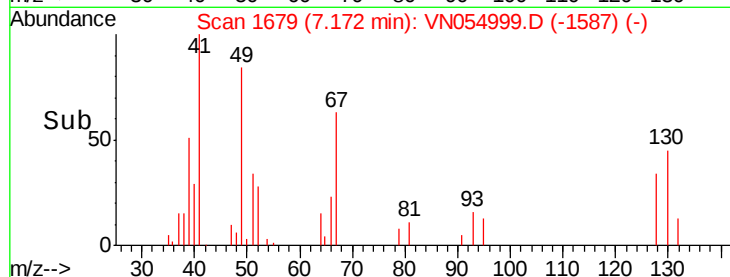
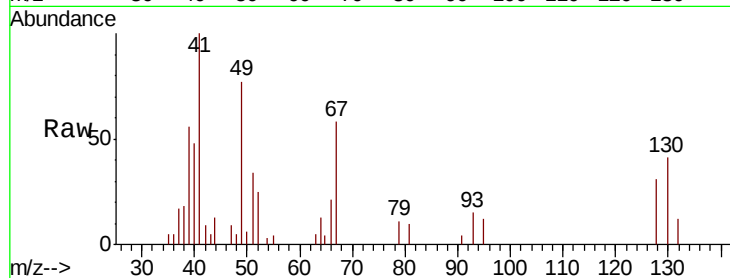
Ion Ratio Lower Upper

41 100

39 78.0 45.6 68.4#

67 92.9 57.0 85.6#

52 27.0 23.6 35.4



#42

1,2-Dichloroethane

Concen: 5.174 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054999.D

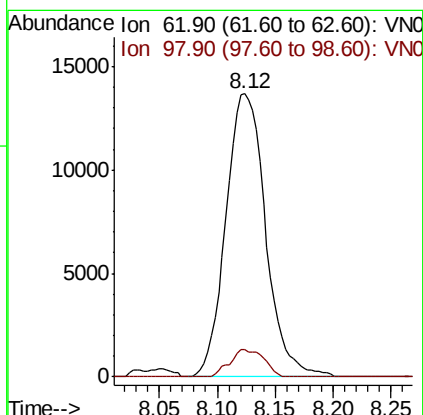
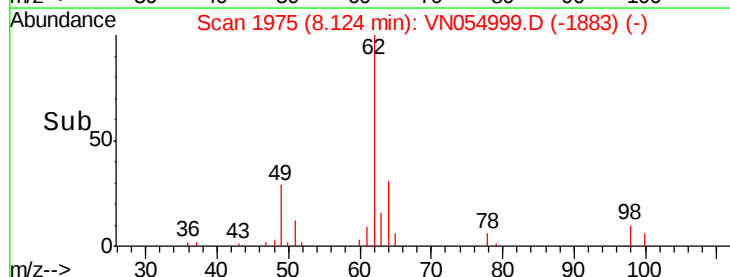
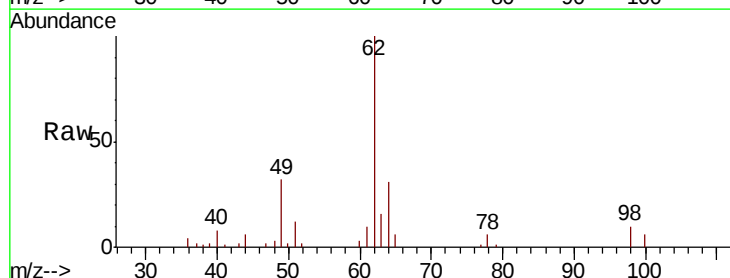
Acq: 12 Apr 2019 15:13

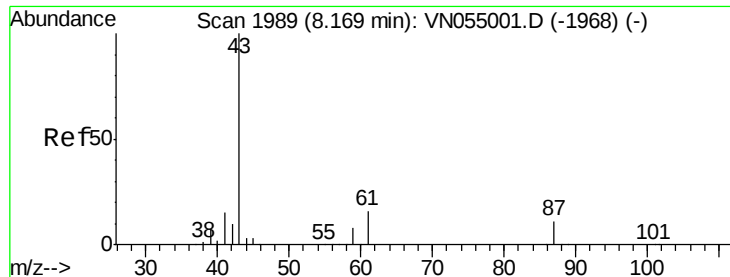
Tgt Ion: 62 Resp: 32507

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.4





#43

Isopropyl Acetate

Concen: 4.619 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

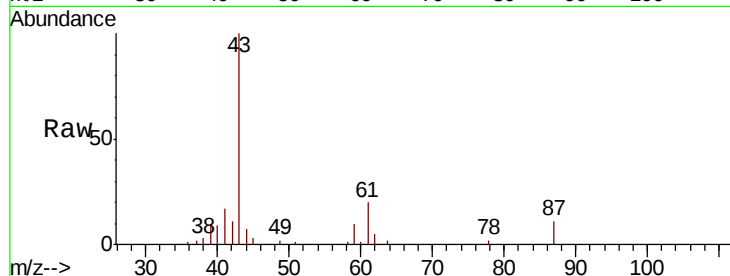
Tot Ion: 43 Resp: 33669

Ion Ratio Lower Upper

43 100

61 19.8 14.3 21.5

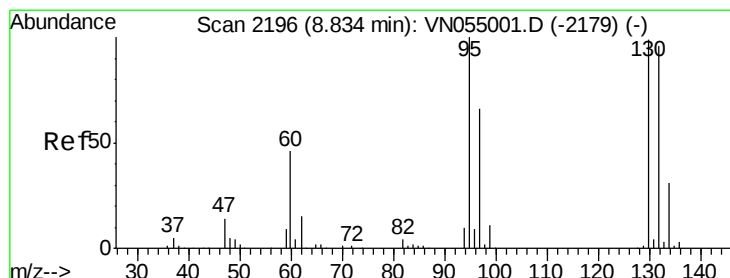
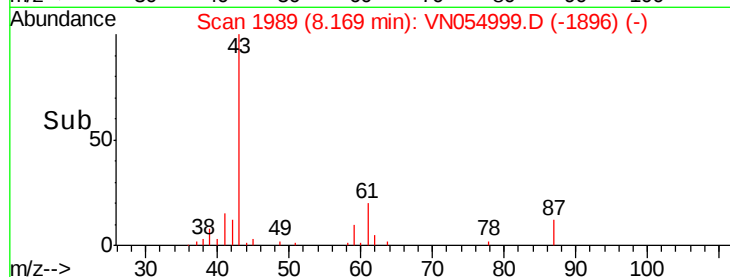
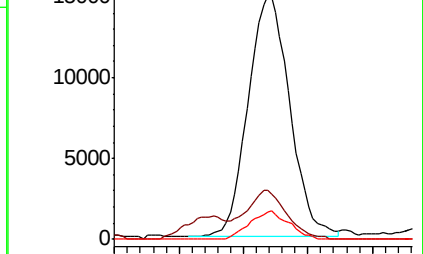
87 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)



#44

Trichloroethene

Concen: 5.114 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054999.D

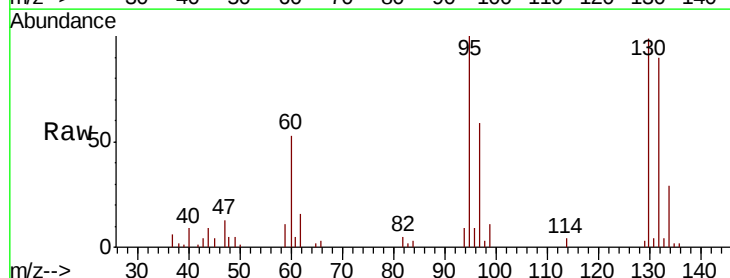
Acq: 12 Apr 2019 15:13

Tgt Ion:130 Resp: 23349

Ion Ratio Lower Upper

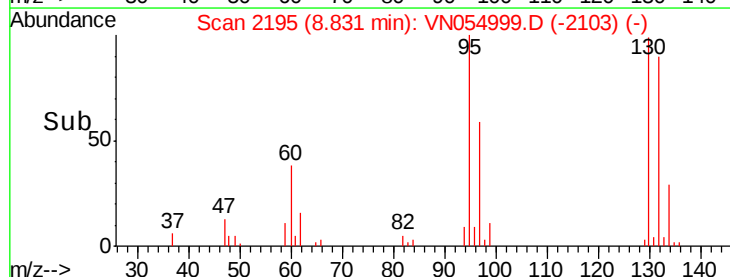
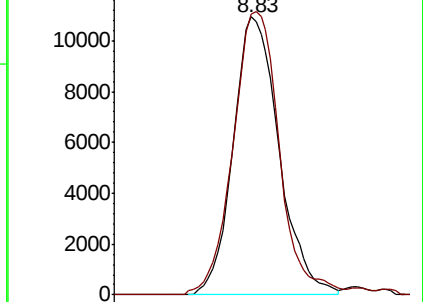
130 100

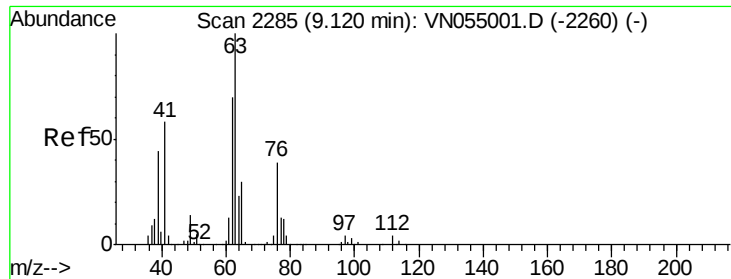
95 99.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 5.235 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

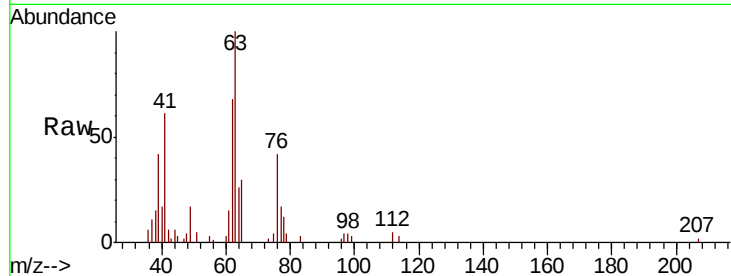
ClientSampled :

Tot Ion: 63 Resp: 26027

Ion Ratio Lower Upper

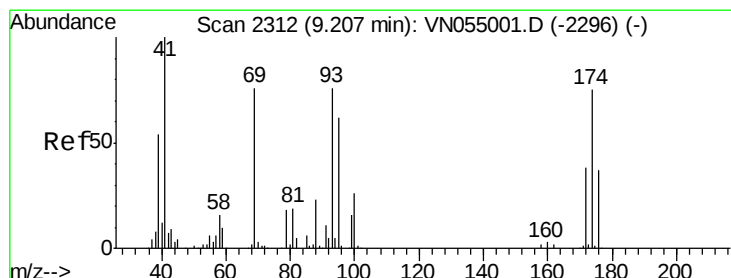
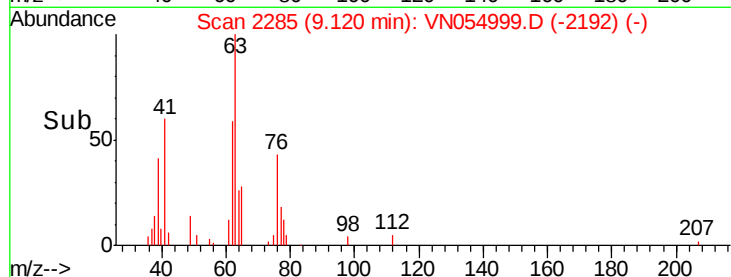
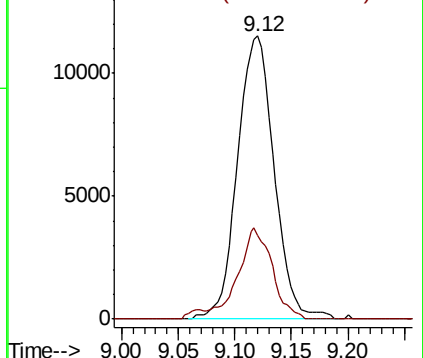
63 100

65 29.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 4.953 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

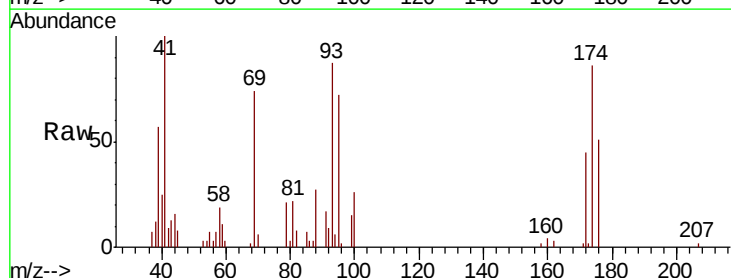
Tgt Ion: 93 Resp: 14080

Ion Ratio Lower Upper

93 100

95 83.0 65.0 97.6

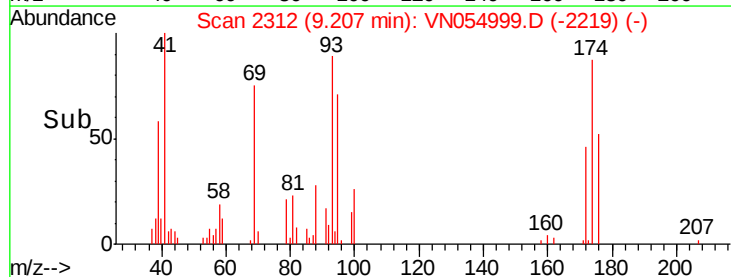
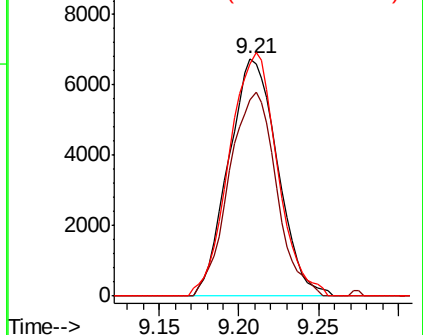
174 100.7 81.0 121.6

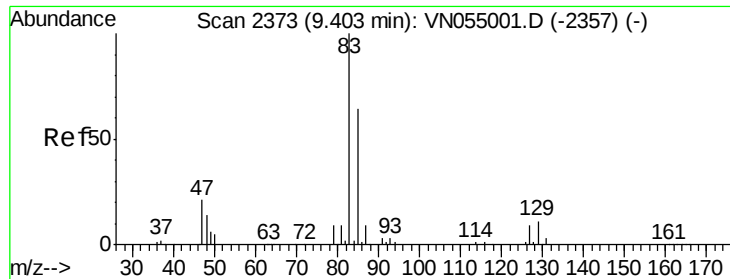


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.645 ug/l

RT: 9.40 min Scan# 2372

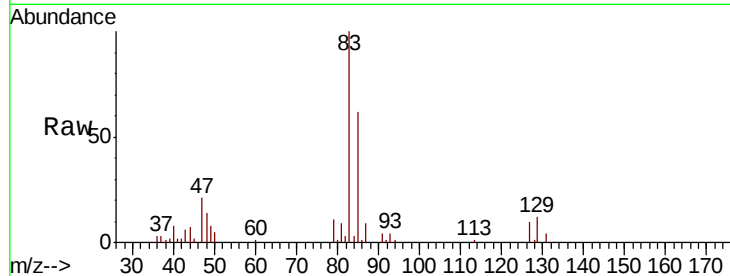
Delta R.T. -0.00 min

Lab File: VN054999.D

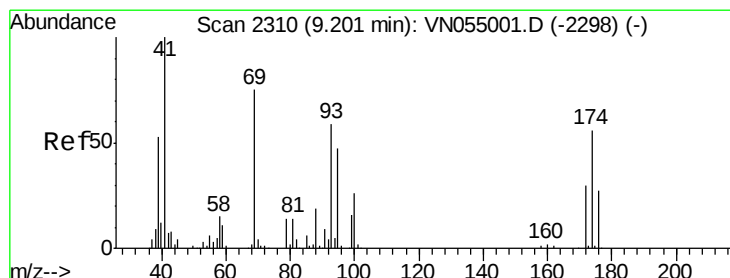
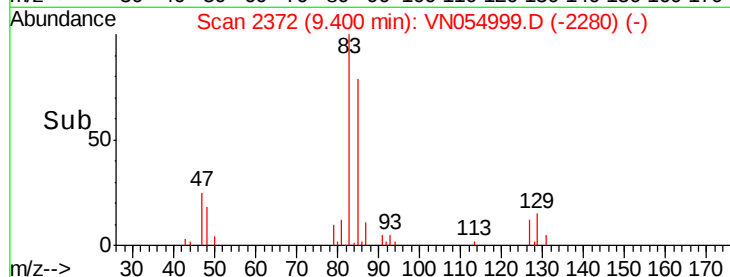
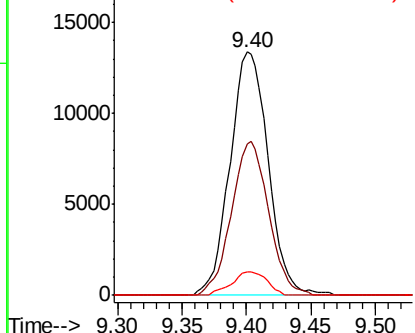
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	83	Resp:	27527
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8
127	9.8	6.8	10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 4.471 ug/l

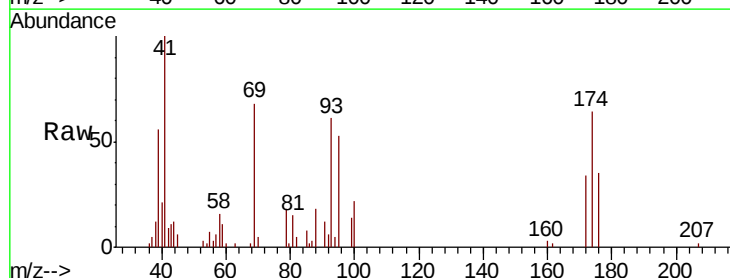
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

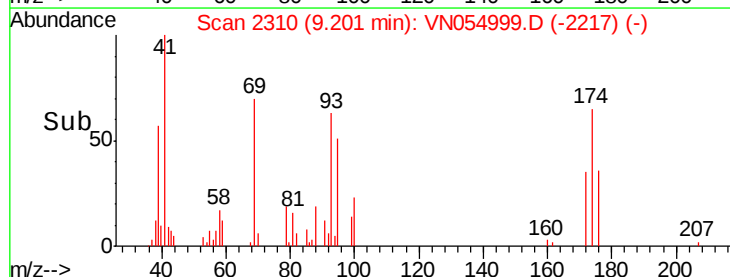
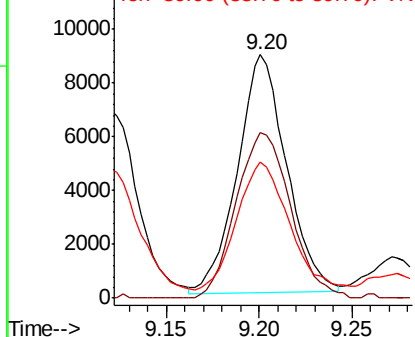
Lab File: VN054999.D

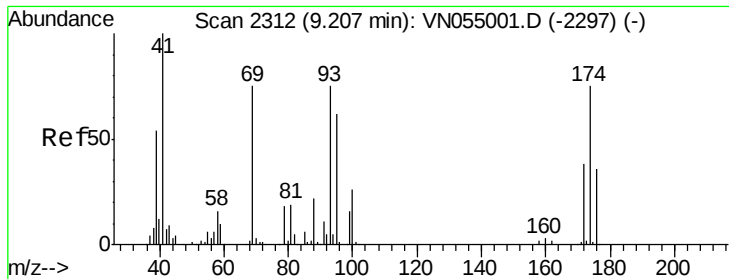
Acq: 12 Apr 2019 15:13

Tgt Ion:	41	Resp:	16387
Ion	Ratio	Lower	Upper
41	100		
69	76.7	60.5	90.7
39	62.2	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

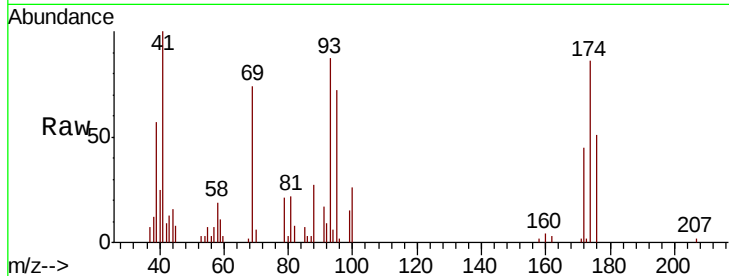




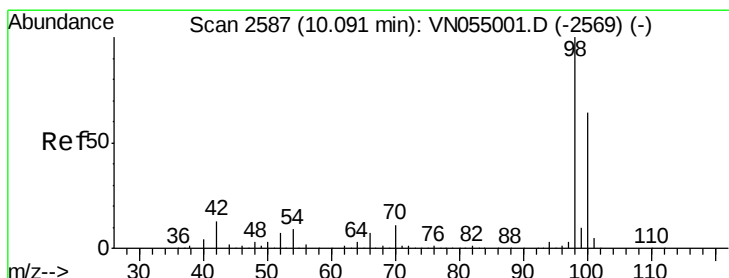
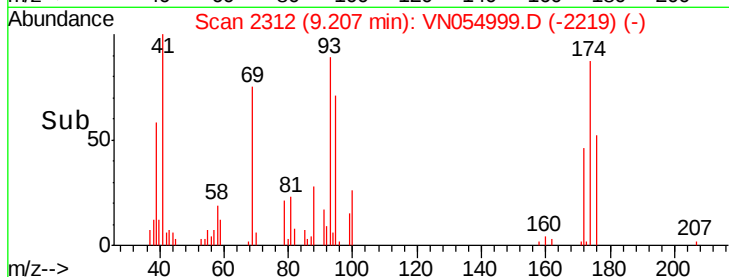
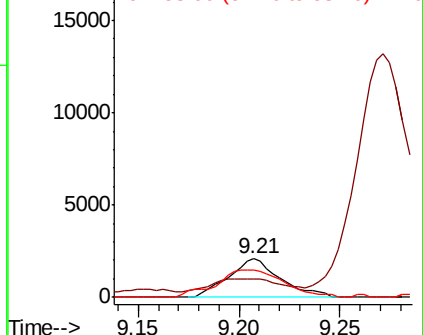
#49
1,4-Dioxane
Concen: 99.241 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 3744
Ion Ratio Lower Upper
88 100
43 43.4 31.8 47.8
58 91.5 61.6 92.4

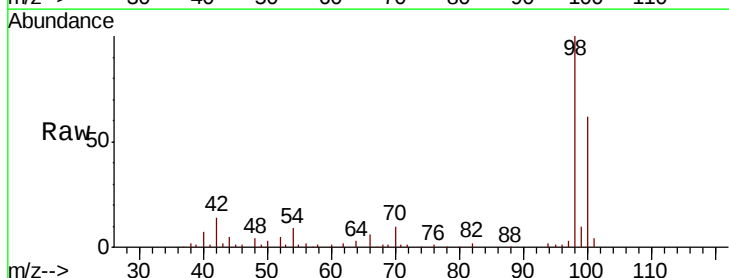


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

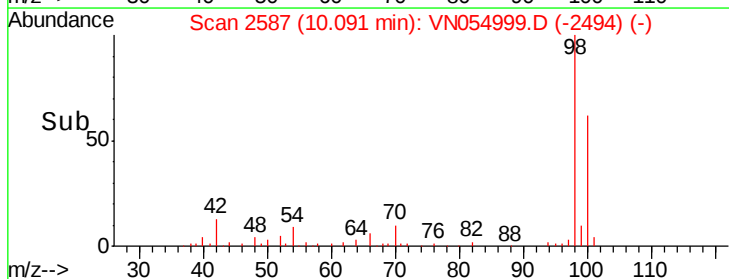
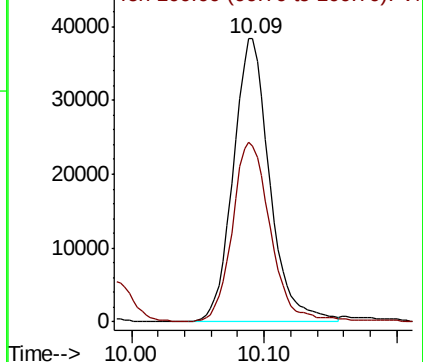


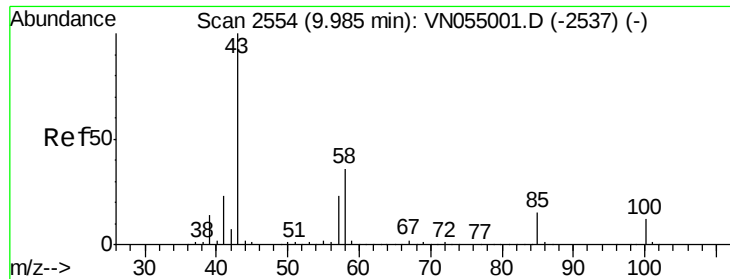
#50
Toluene-d8
Concen: 4.731 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 98 Resp: 73433
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 24.417 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

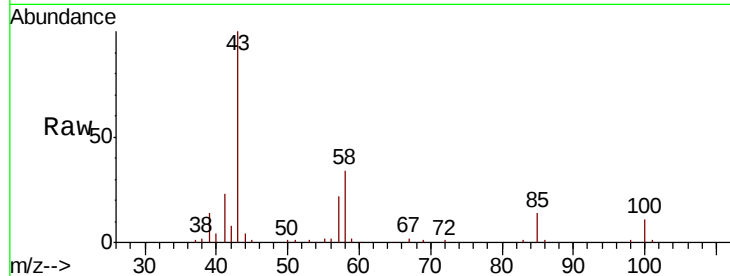
ClientSampleId :

Tot Ion: 43 Resp: 99848

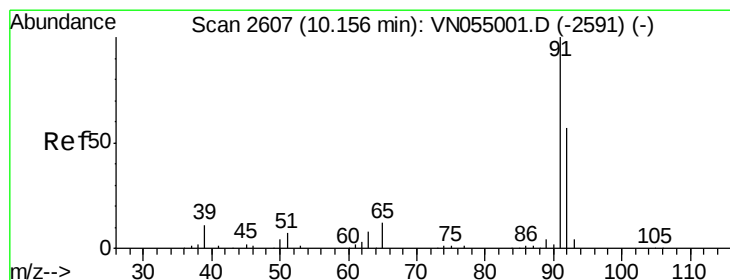
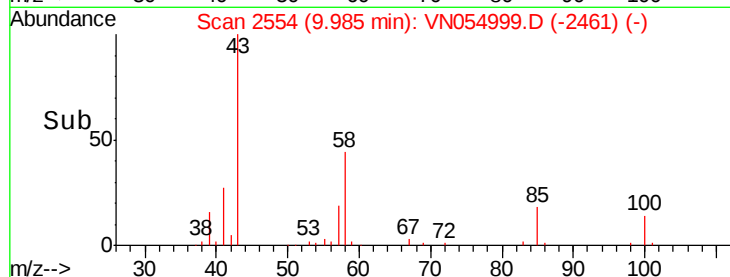
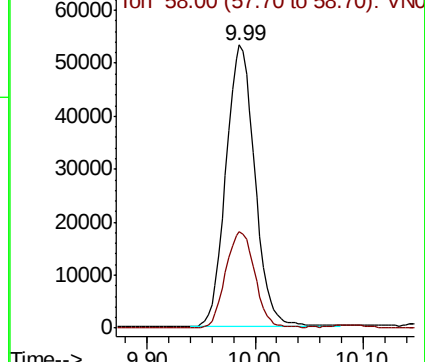
Ion Ratio Lower Upper

43 100

58 34.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)



#52

Toluene

Concen: 4.982 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054999.D

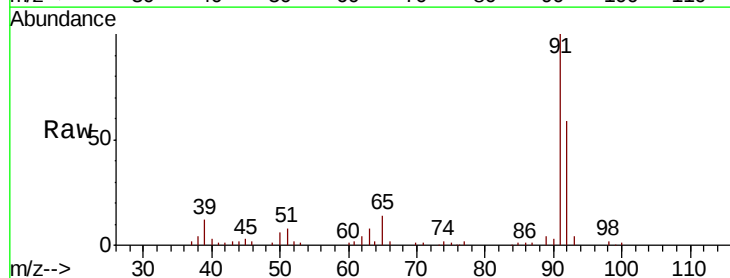
Acq: 12 Apr 2019 15:13

Tgt Ion: 92 Resp: 52303

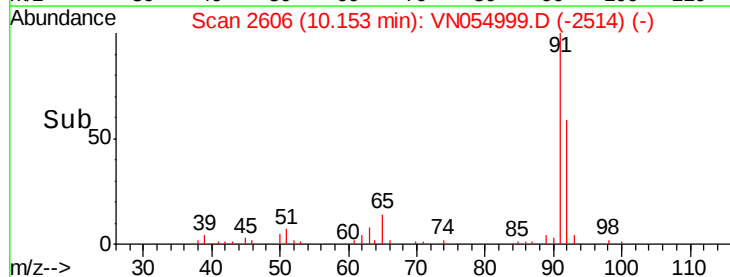
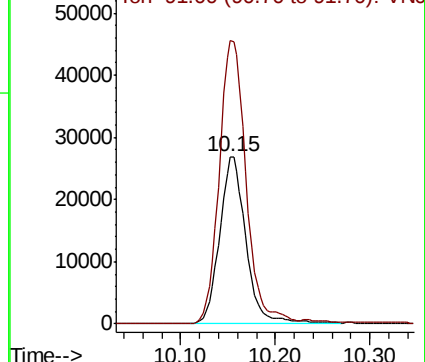
Ion Ratio Lower Upper

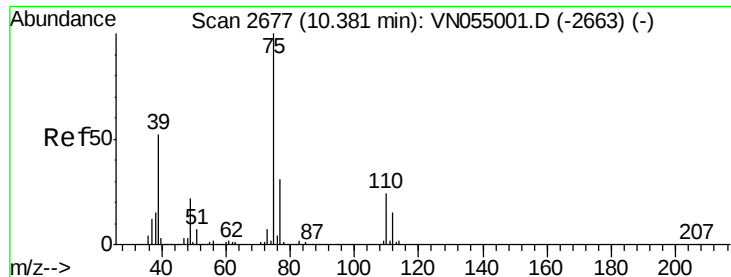
92 100

91 171.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 4.086 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

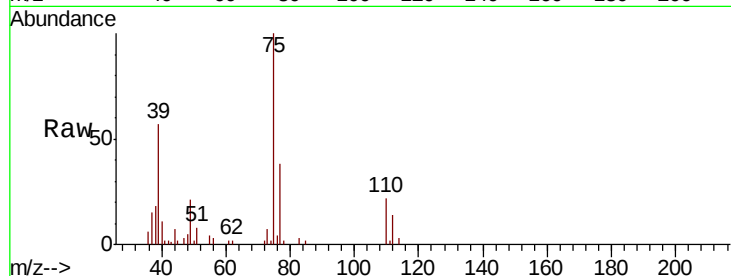
ClientSampled :

Tot Ion: 75 Resp: 22219

Ion Ratio Lower Upper

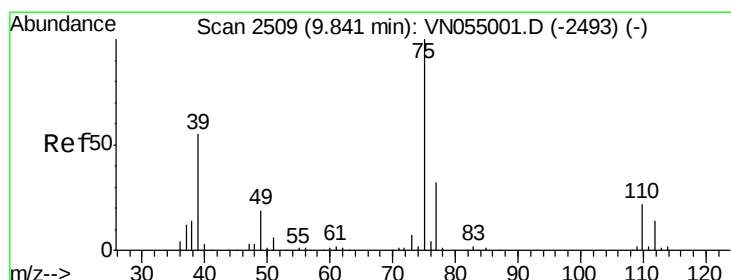
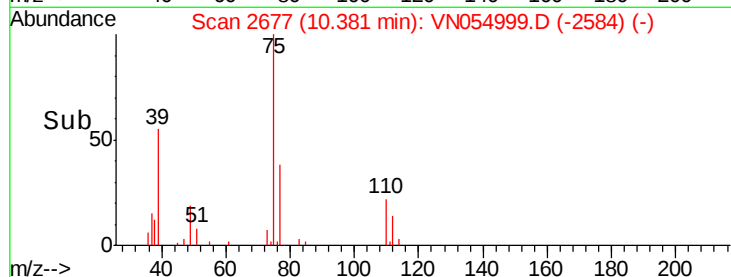
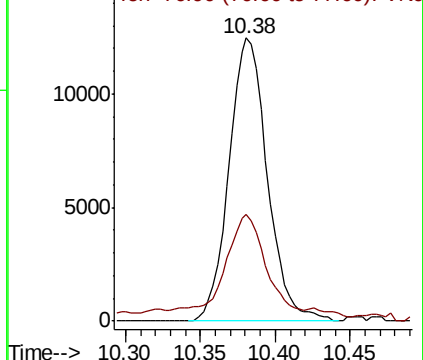
75 100

77 35.0 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.256 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

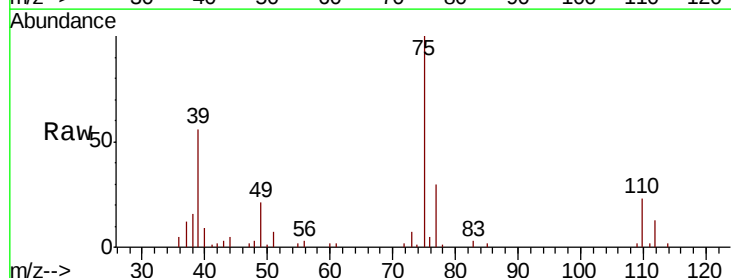
Tgt Ion: 75 Resp: 28319

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.6

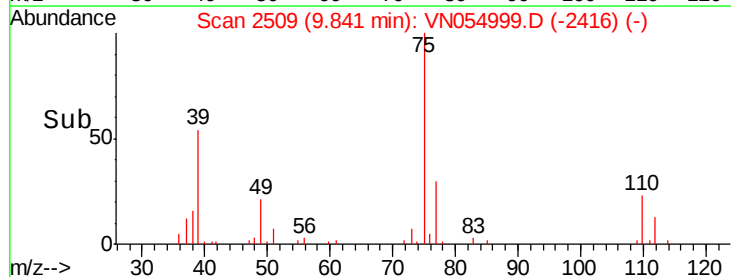
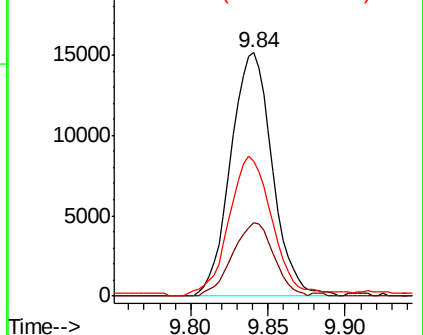
39 54.0 43.8 65.8

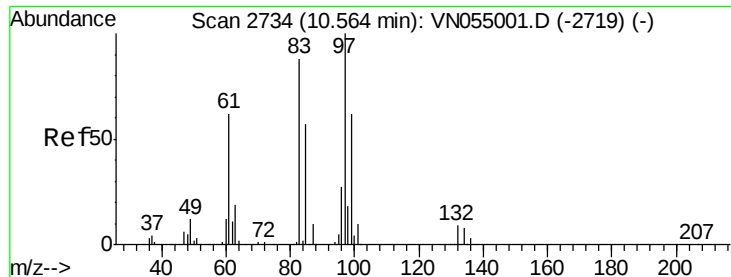


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



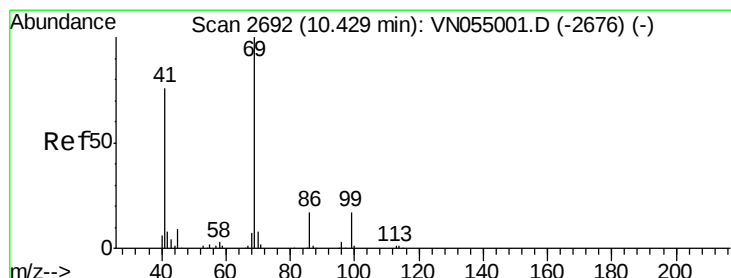
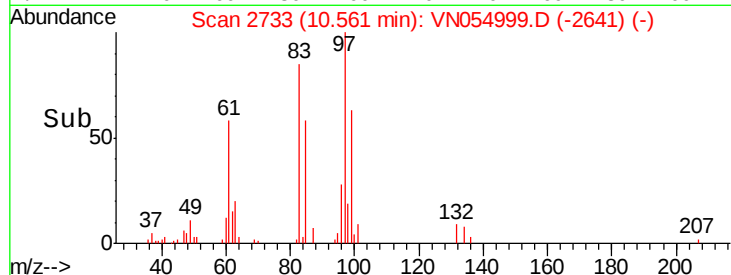
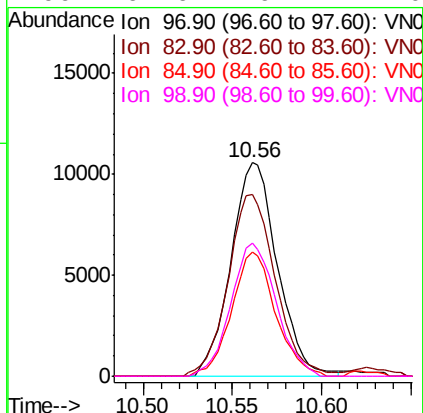
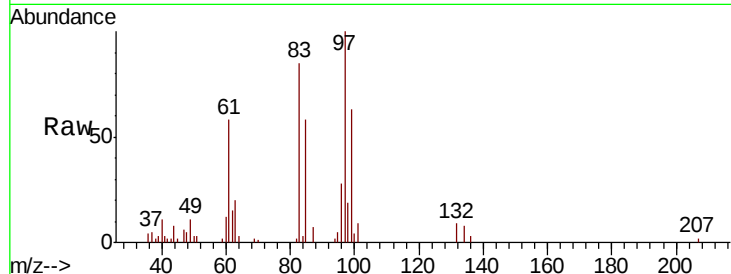


#55
 1,1,2-Trichloroethane
 Concen: 5.007 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 19242

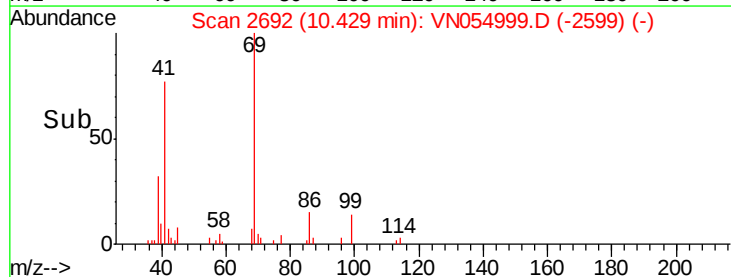
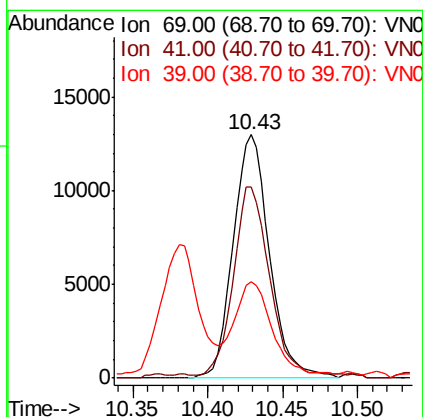
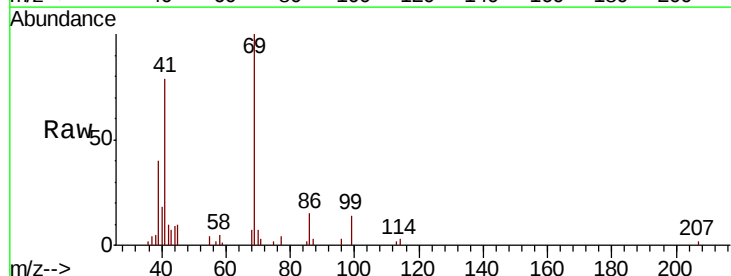
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.5	105.7
85	58.0	45.5	68.3
99	62.6	49.4	74.0

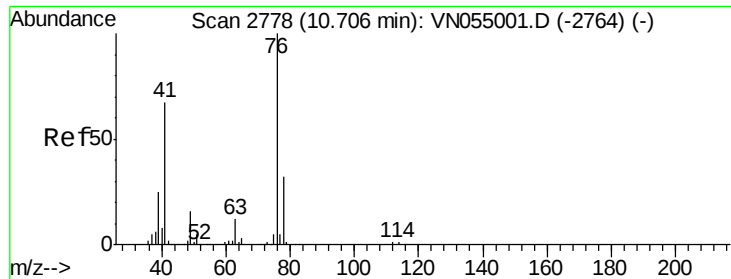


#56
 Ethyl methacrylate
 Concen: 4.381 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 69 Resp: 21929

Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.4	92.0
39	39.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 4.817 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

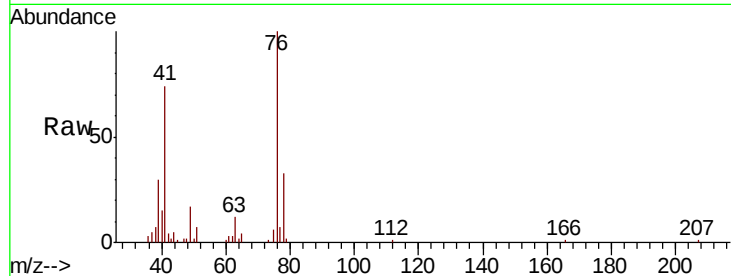
ClientSampleId :

Tot Ion: 76 Resp: 32306

Ion Ratio Lower Upper

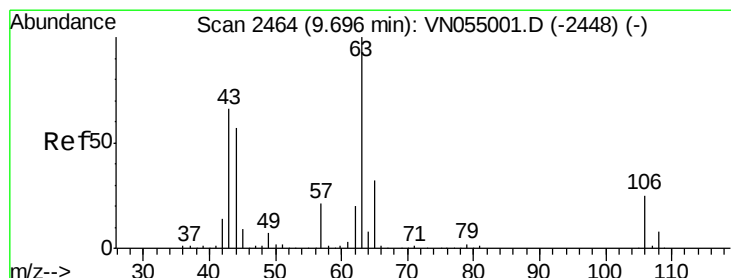
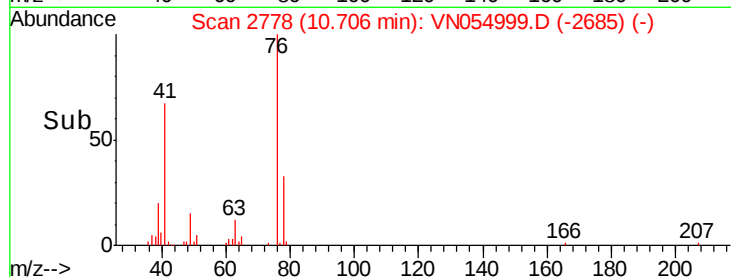
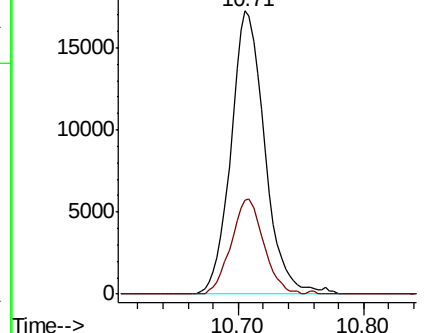
76 100

78 32.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-2764) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 21.312 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054999.D

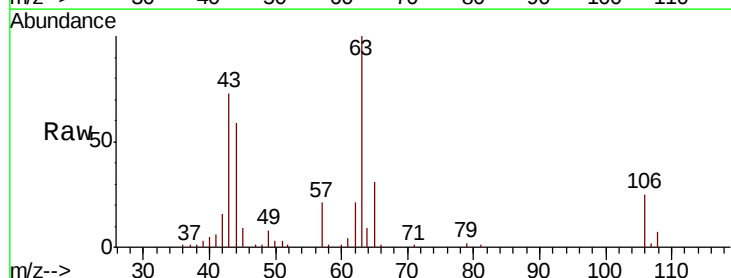
Acq: 12 Apr 2019 15:13

Tgt Ion: 63 Resp: 41924

Ion Ratio Lower Upper

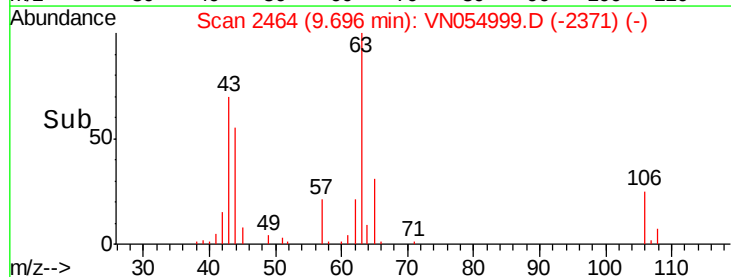
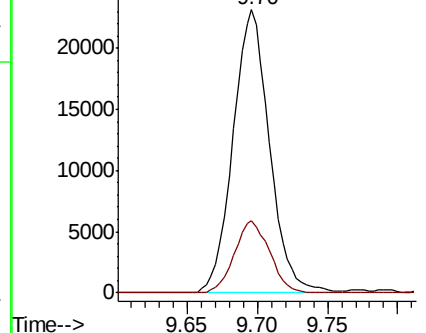
63 100

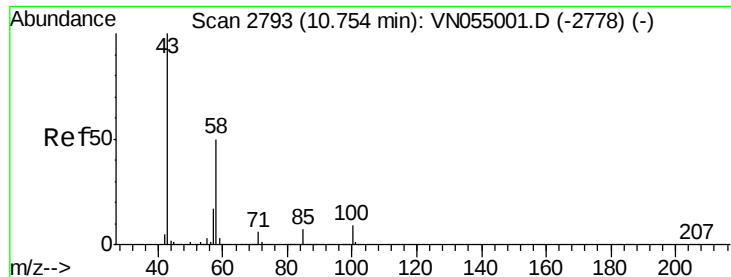
106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN055001.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055001.D (-2448) (-)

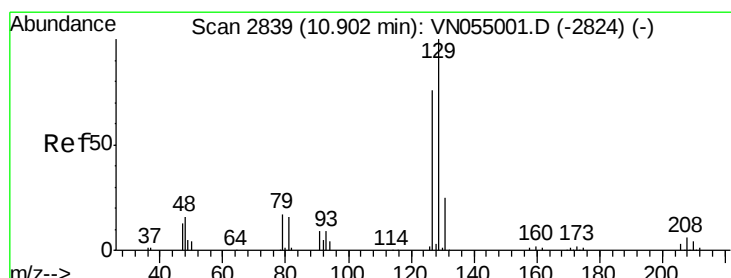
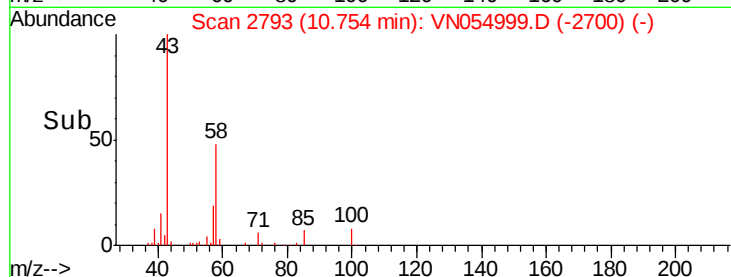
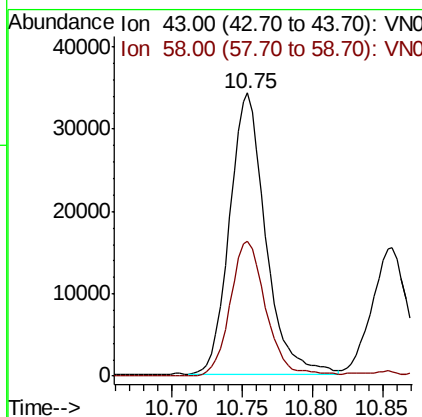
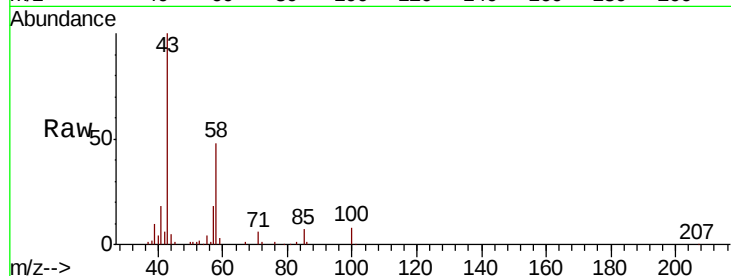




#59
2-Hexanone
Concen: 23.989 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

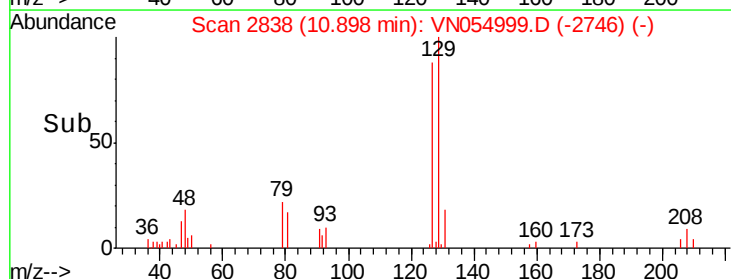
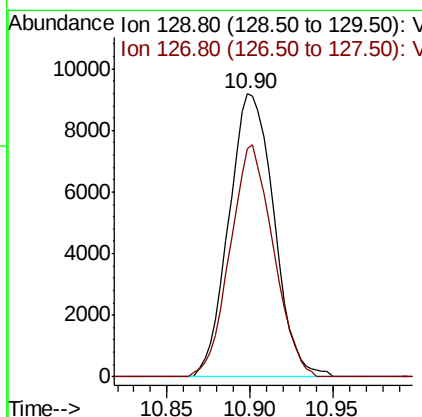
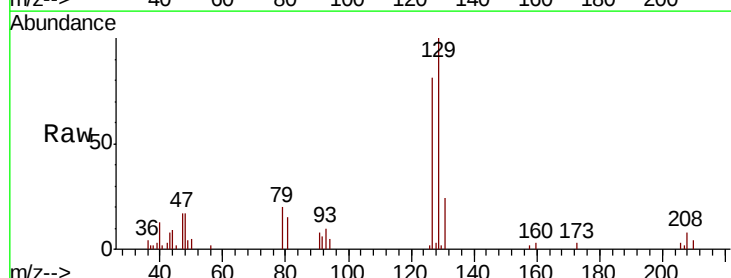
Instrument :
MSVOA_N
ClientSampleId :

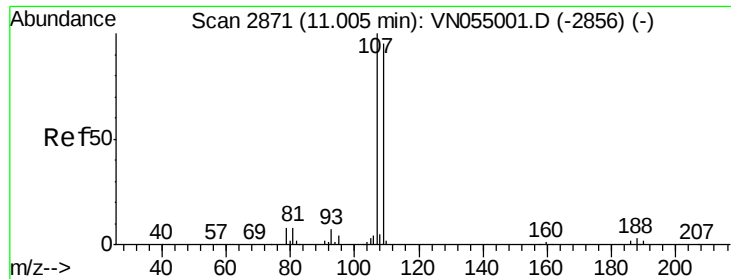
Tot Ion: 43 Resp: 61013
Ion Ratio Lower Upper
43 100
58 48.0 25.1 75.2



#60
Dibromochloromethane
Concen: 4.337 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 129 Resp: 17341
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.859 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

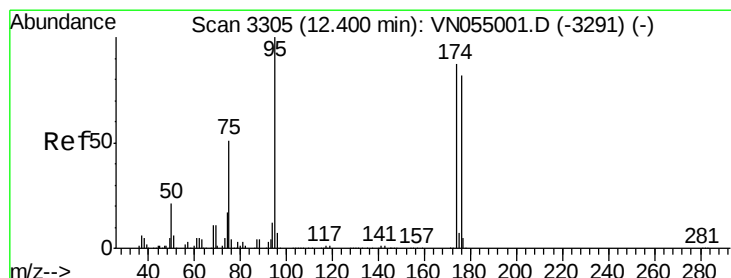
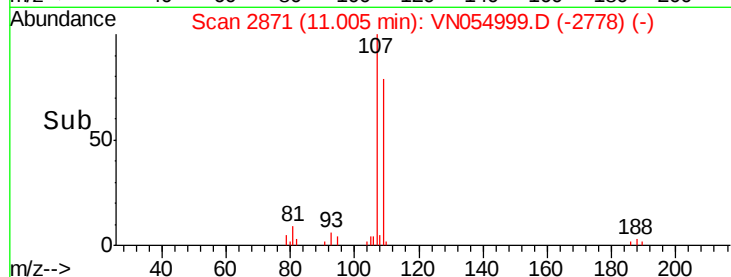
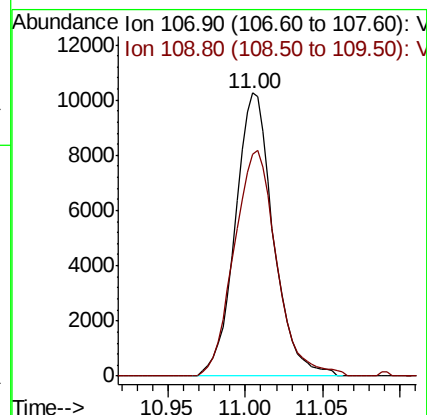
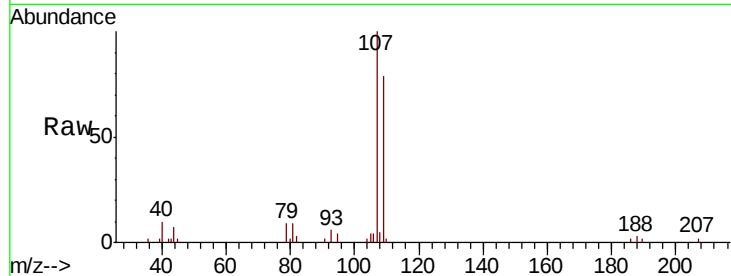
ClientSampled :

Tot Ion:107 Resp: 17510

Ion Ratio Lower Upper

107 100

109 89.0 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 4.743 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

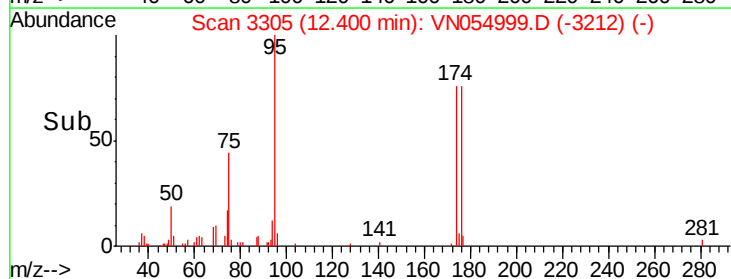
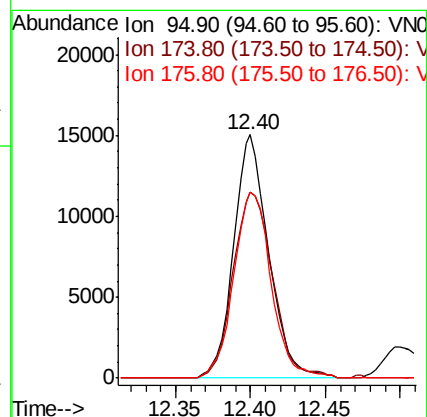
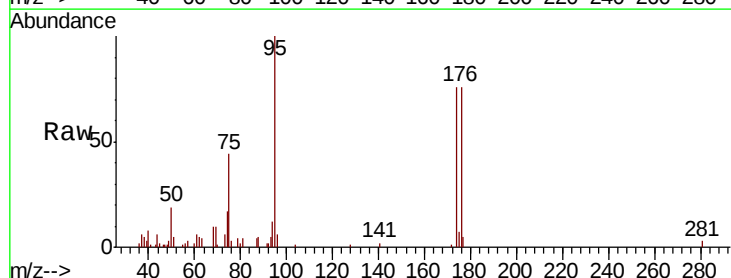
Tgt Ion: 95 Resp: 24502

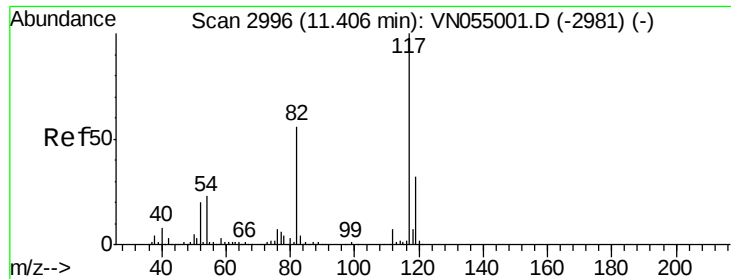
Ion Ratio Lower Upper

95 100

174 86.4 0.0 174.4

176 81.9 0.0 166.8

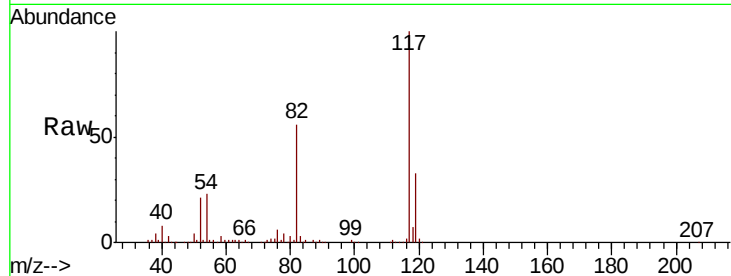




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.6	66.8
119	32.6	25.5	38.3

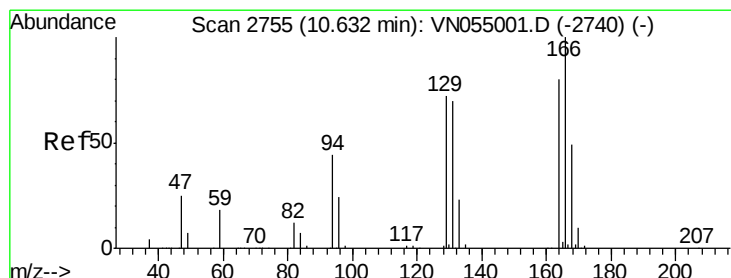
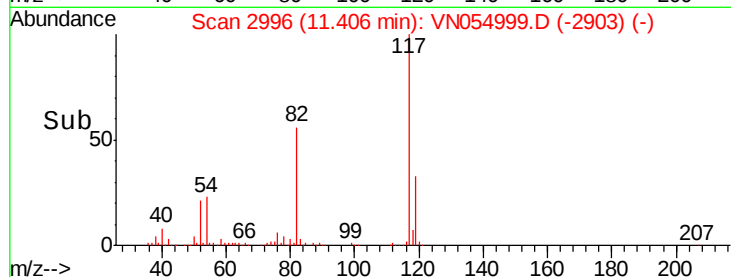
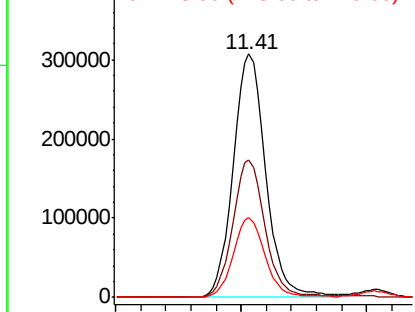


Abundance

Ion 116.90 (116.60 to 117.60): V

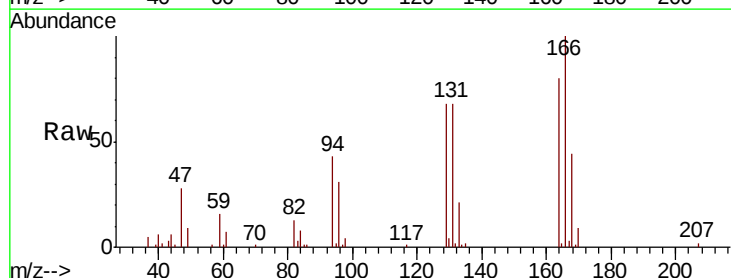
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.165 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.0	150.0
129	85.3	72.0	108.0
131	84.3	69.7	104.5



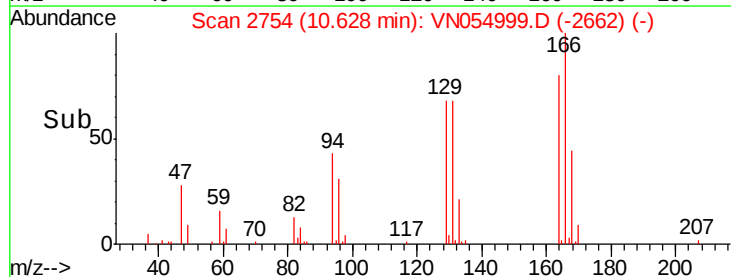
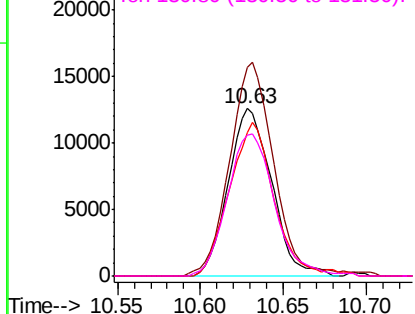
Abundance

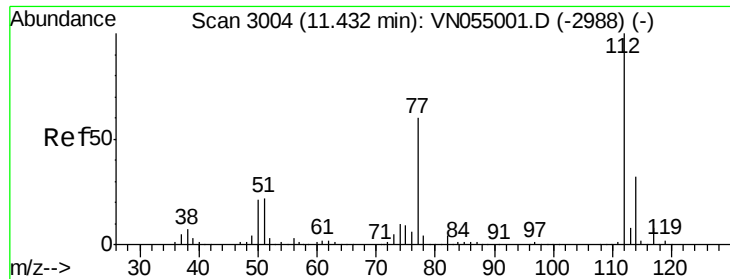
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

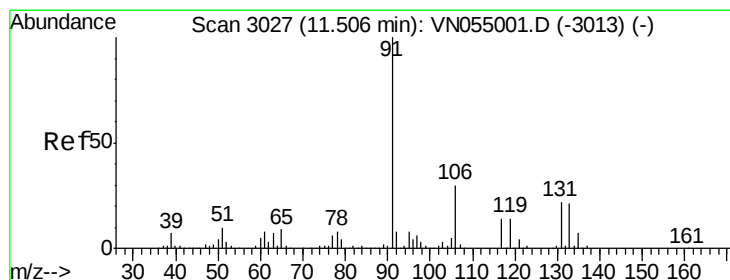
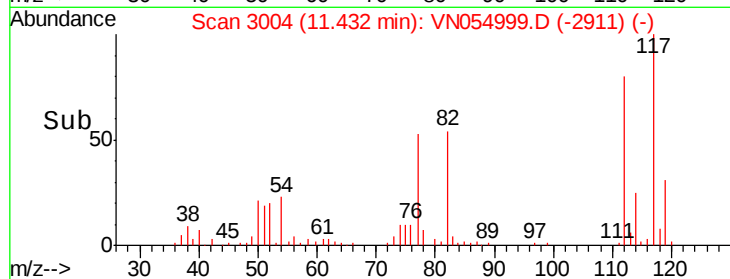
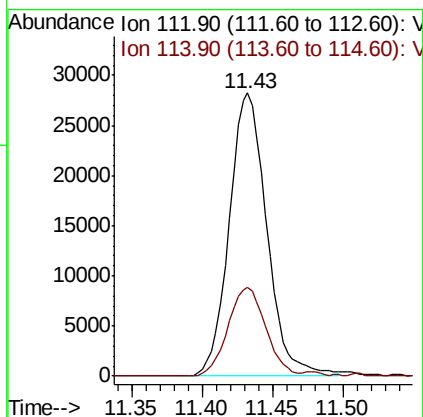
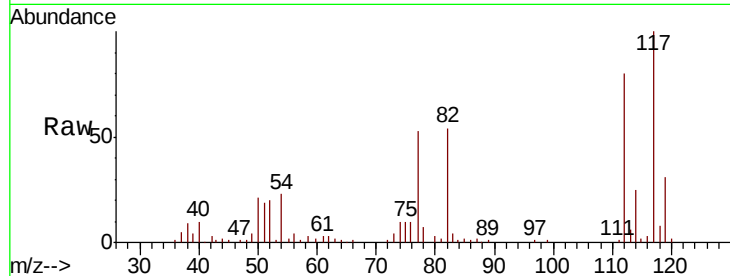




#65
Chlorobenzene
Concen: 4.726 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

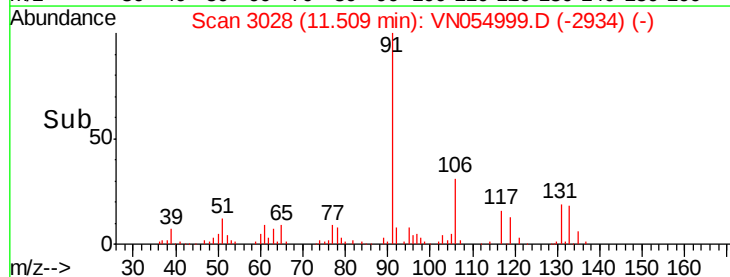
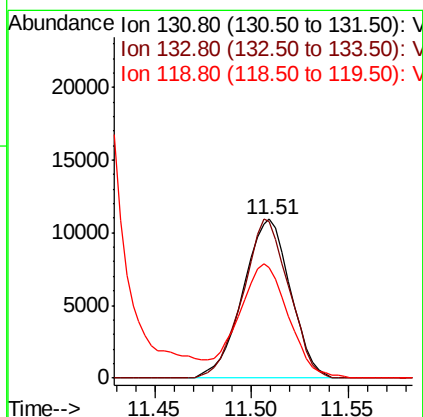
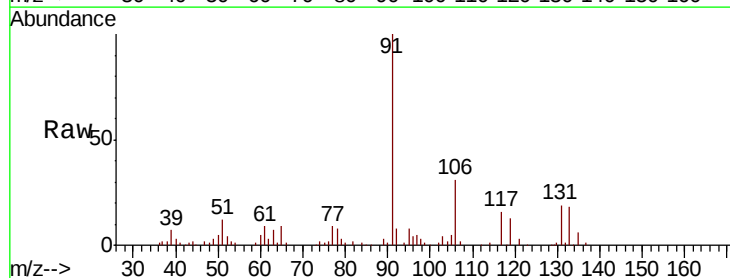
Instrument :
MSVOA_N
ClientSampled :

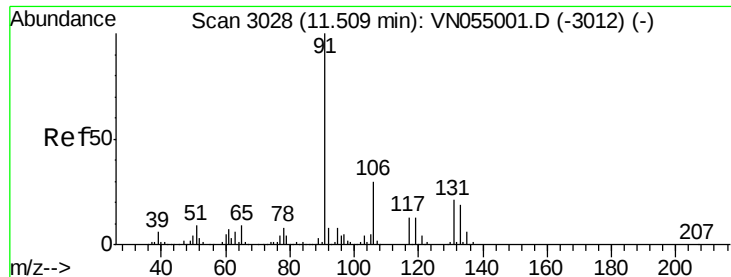
Tot Ion:112 Resp: 52786
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.571 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion:131 Resp: 18696
Ion Ratio Lower Upper
131 100
133 97.3 47.8 143.3
119 76.2 33.6 100.6





#67

Ethyl Benzene

Concen: 4.854 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

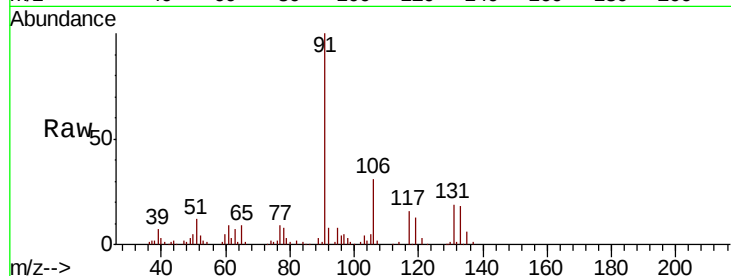
ClientSampled :

Tot Ion: 91 Resp: 97699

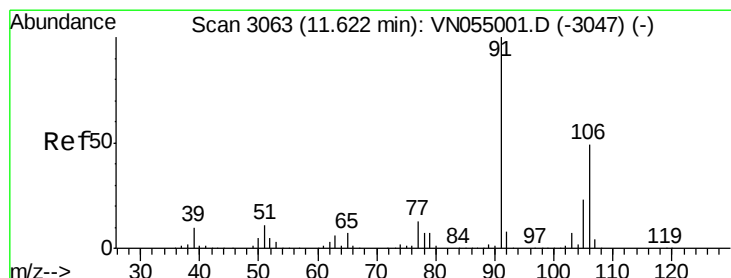
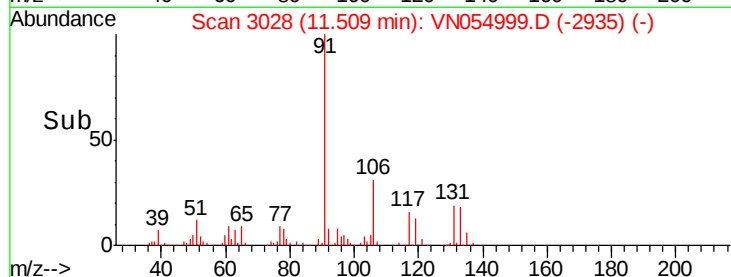
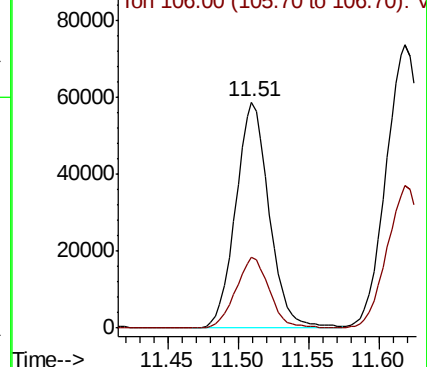
Ion Ratio Lower Upper

91 100

106 31.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3012) (-)



#68

m/p-Xylenes

Concen: 9.796 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054999.D

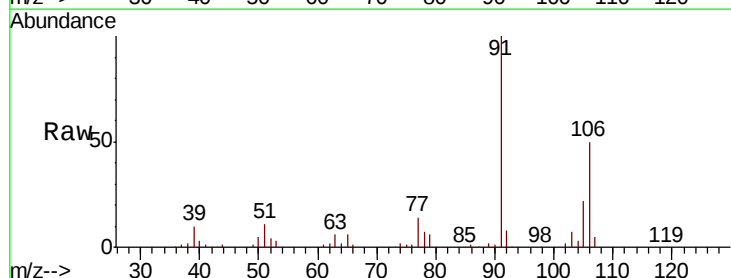
Acq: 12 Apr 2019 15:13

Tgt Ion: 106 Resp: 72151

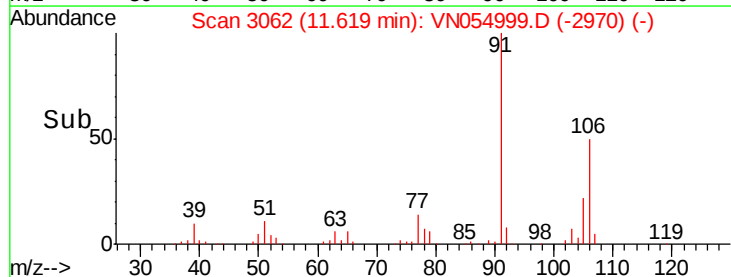
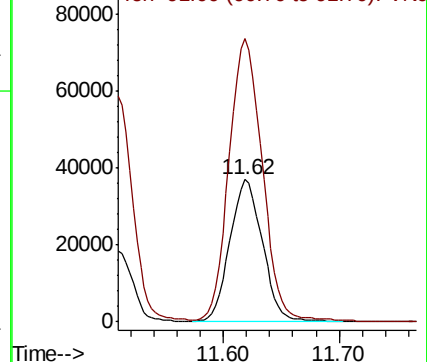
Ion Ratio Lower Upper

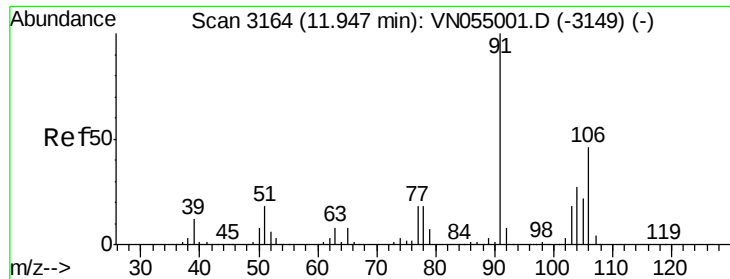
106 100

91 200.8 165.9 248.9



Abundance Ion 106.00 (105.70 to 106.70): VN055001.D (-3047) (-)

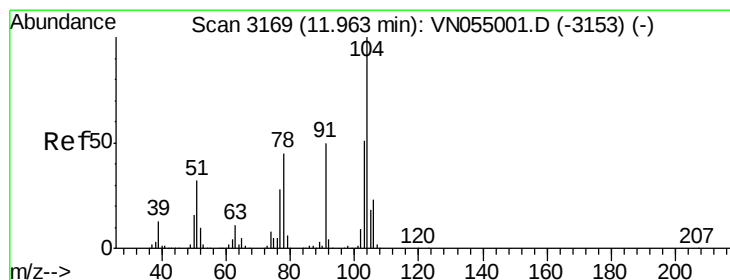
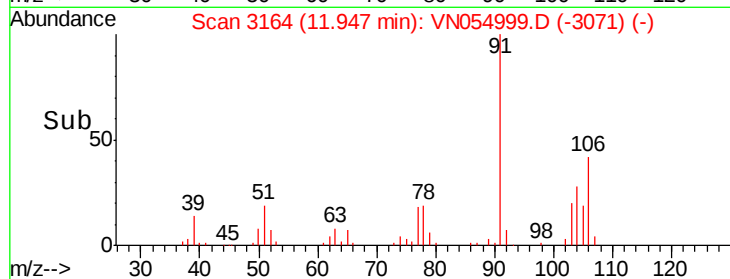
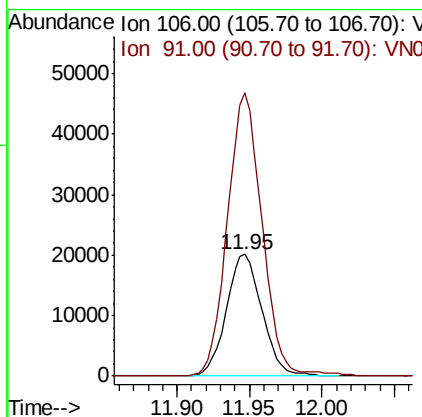
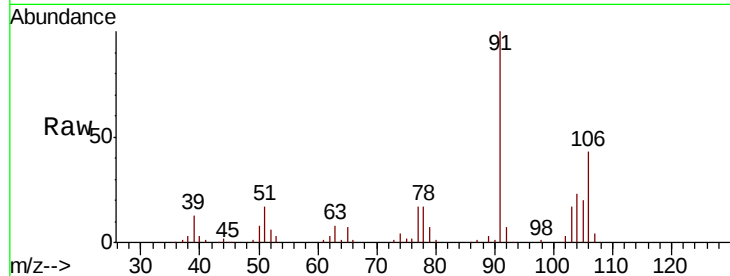




#69
o-Xylene
Concen: 4.783 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

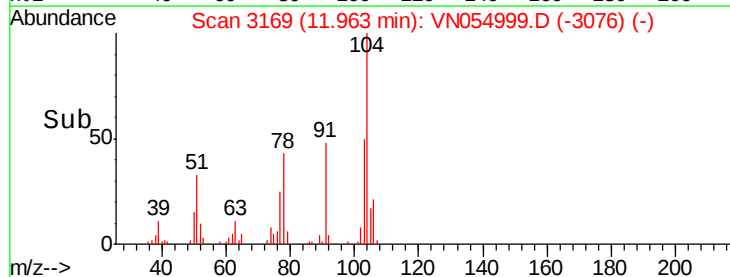
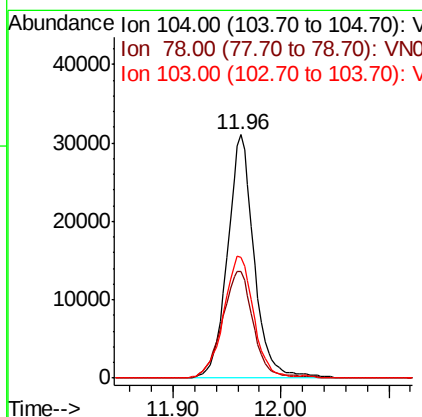
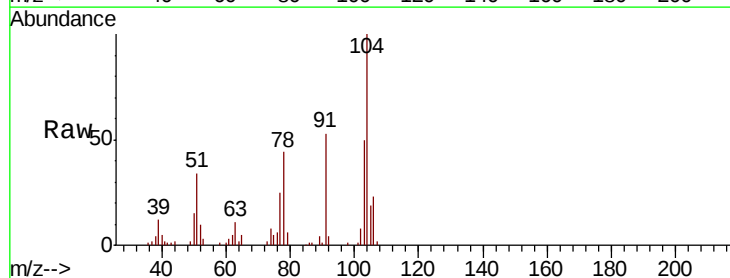
Instrument :
MSVOA_N
ClientSampled :

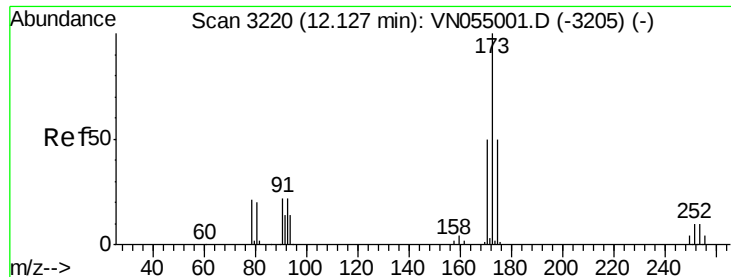
Tot Ion:106 Resp: 34306
Ion Ratio Lower Upper
106 100
91 223.6 109.9 329.8



#70
Styrene
Concen: 4.635 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion:104 Resp: 53389
Ion Ratio Lower Upper
104 100
78 50.2 40.3 60.5
103 56.3 44.3 66.5





#71

Bromoform

Concen: 4.155 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

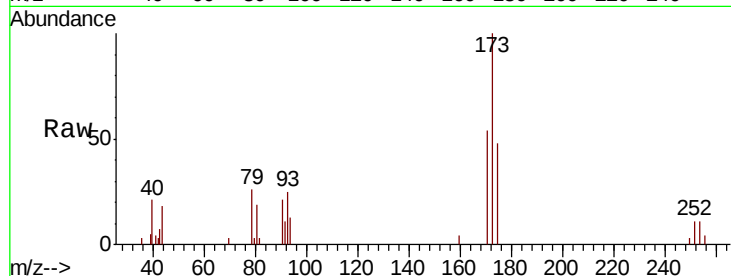
Tot Ion:173 Resp: 10287

Ion Ratio Lower Upper

173 100

175 46.9 24.3 73.0

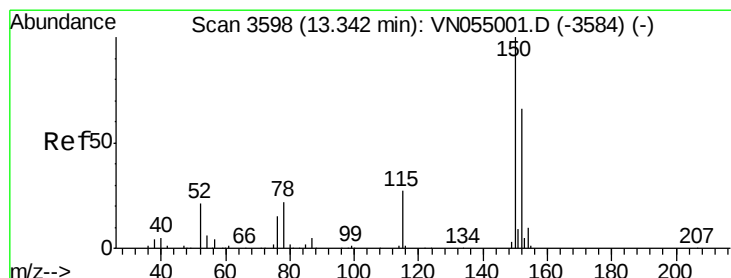
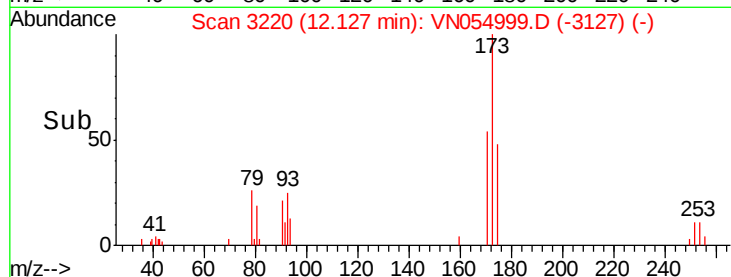
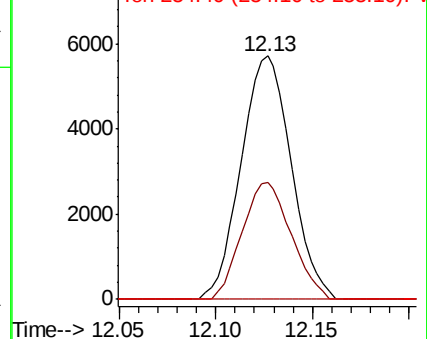
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

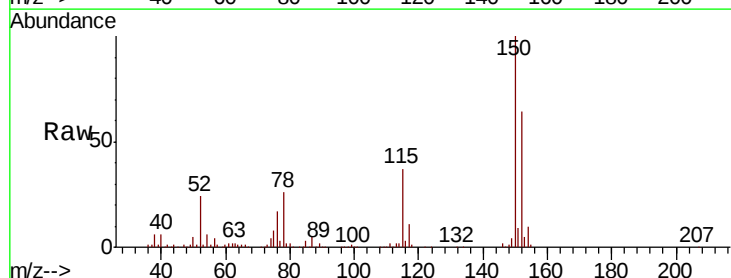
Tgt Ion:152 Resp: 204566

Ion Ratio Lower Upper

152 100

115 58.9 28.5 85.6

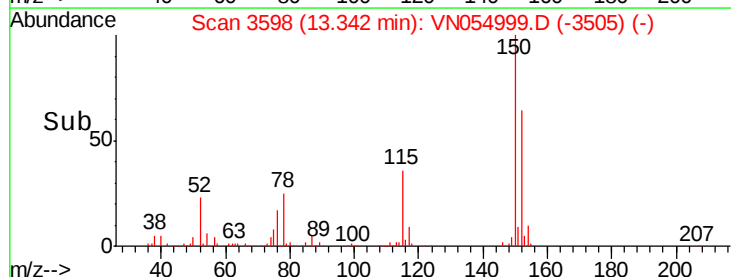
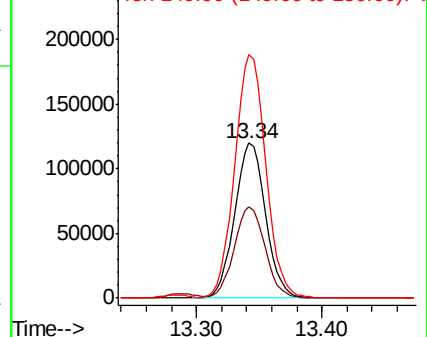
150 158.7 0.0 347.2

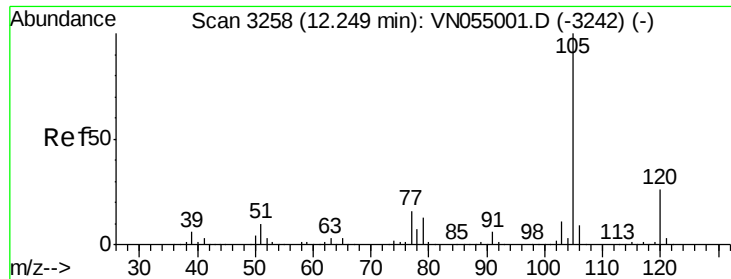


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.252 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

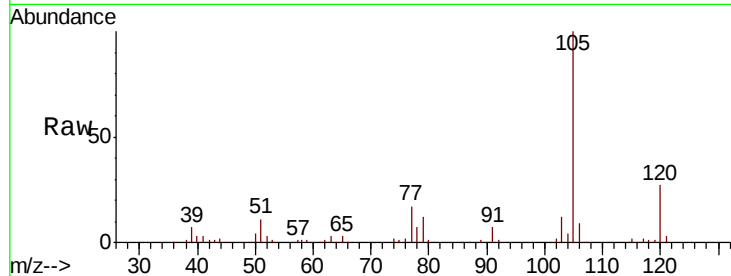
ClientSampleId :

Tot Ion:105 Resp: 90147

Ion Ratio Lower Upper

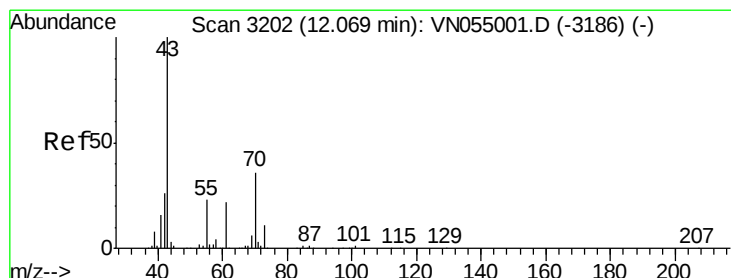
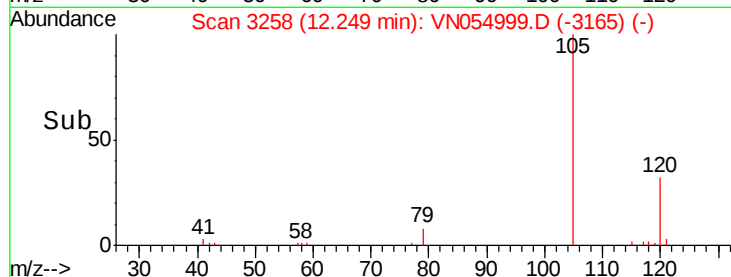
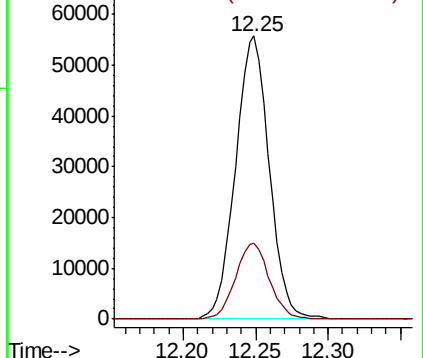
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.003 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion: 43 Resp: 24045

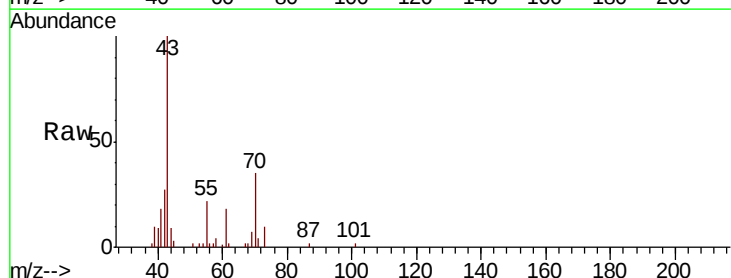
Ion Ratio Lower Upper

43 100

70 37.0 29.4 44.0

55 21.7 19.0 28.4

61 18.5 17.7 26.5

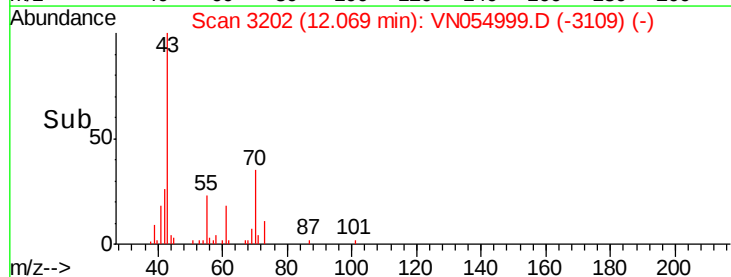
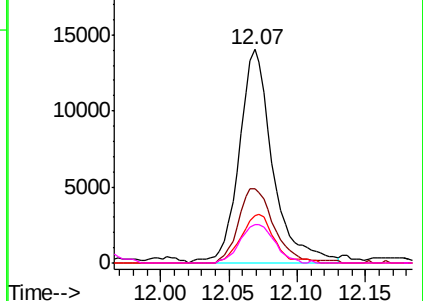


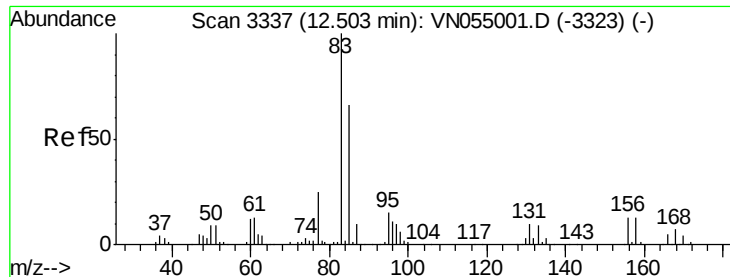
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.526 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

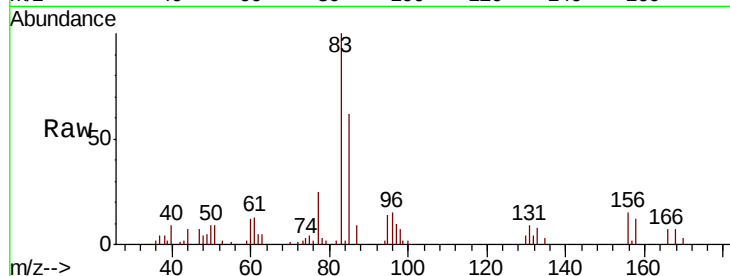
Tot Ion: 83 Resp: 23643

Ion Ratio Lower Upper

83 100

131 8.6 5.0 15.0

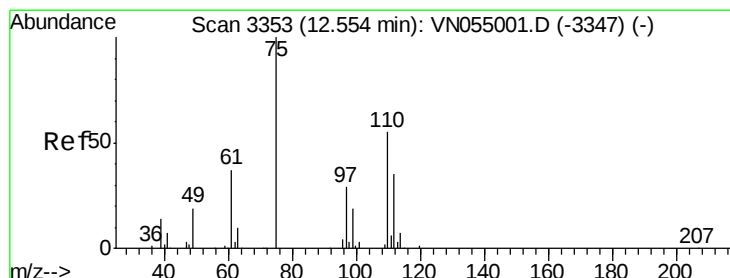
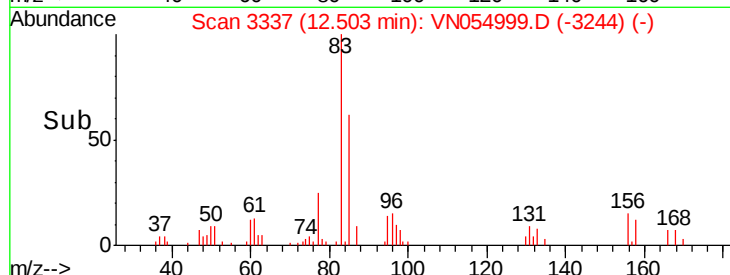
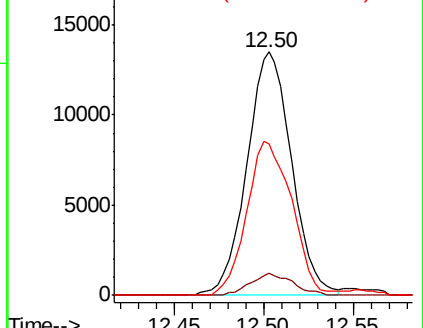
85 63.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 7.121 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054999.D

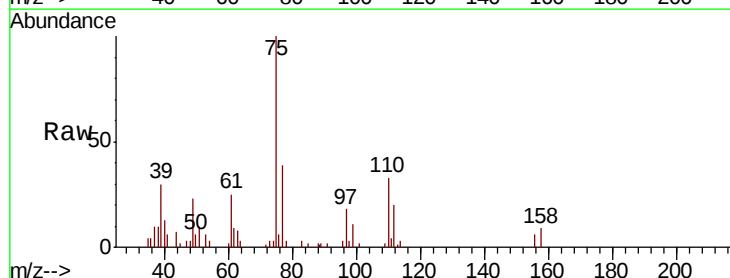
Acq: 12 Apr 2019 15:13

Tgt Ion: 75 Resp: 26308

Ion Ratio Lower Upper

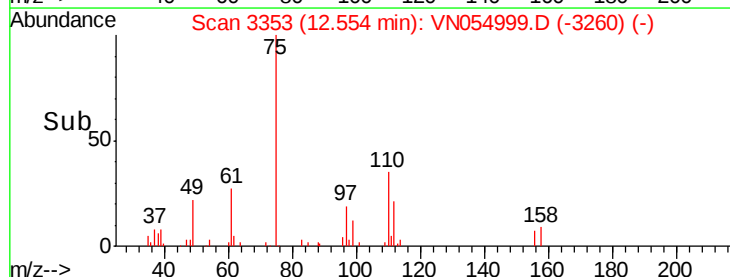
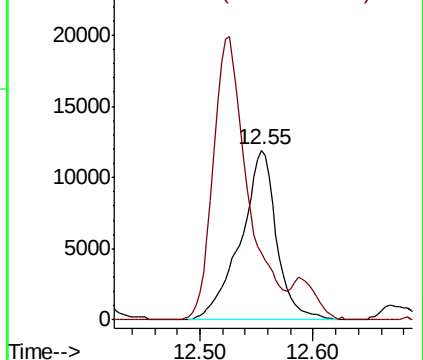
75 100

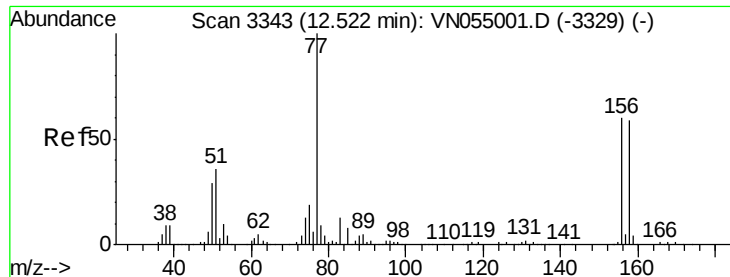
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.201 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

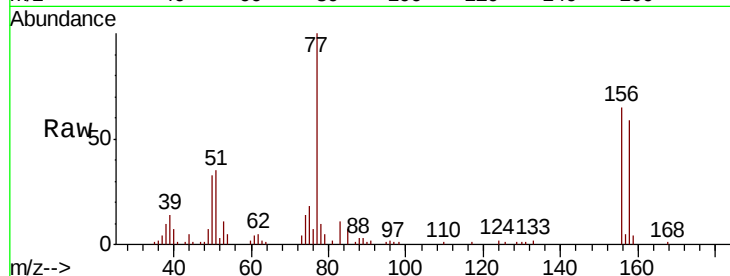
Tot Ion:156 Resp: 21648

Ion Ratio Lower Upper

156 100

77 195.4 97.2 291.5

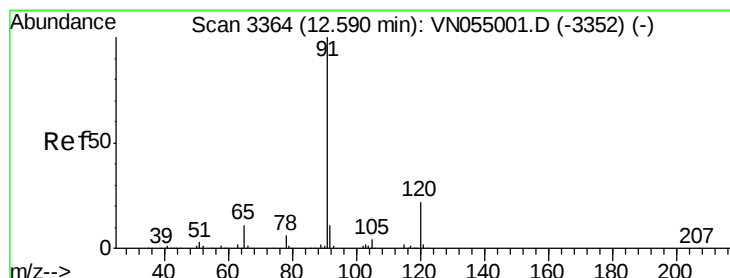
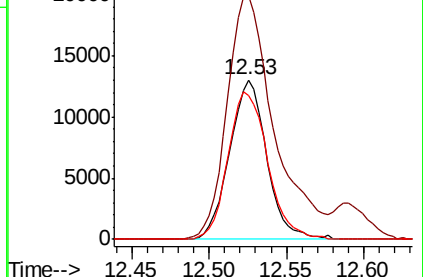
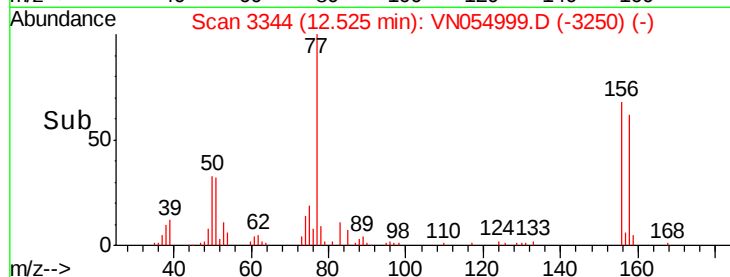
158 99.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.176 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054999.D

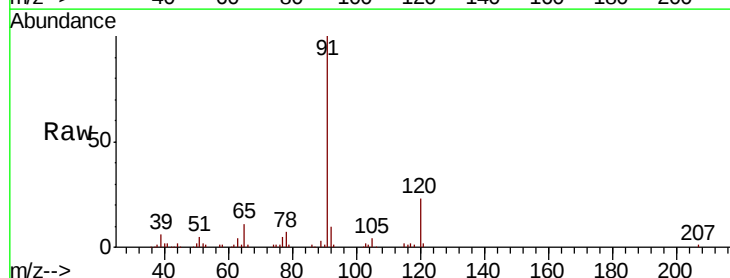
Acq: 12 Apr 2019 15:13

Tgt Ion: 91 Resp: 97903

Ion Ratio Lower Upper

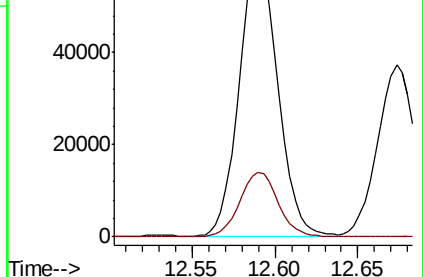
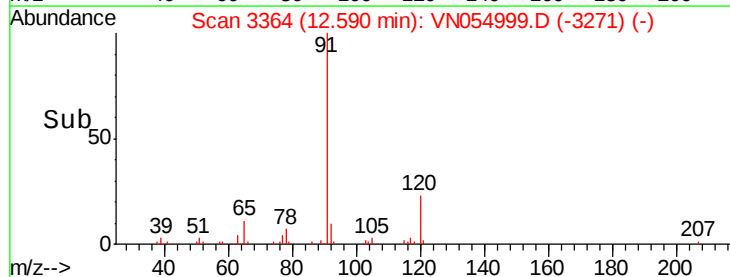
91 100

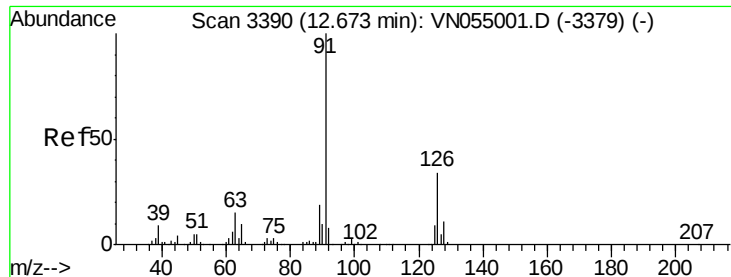
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

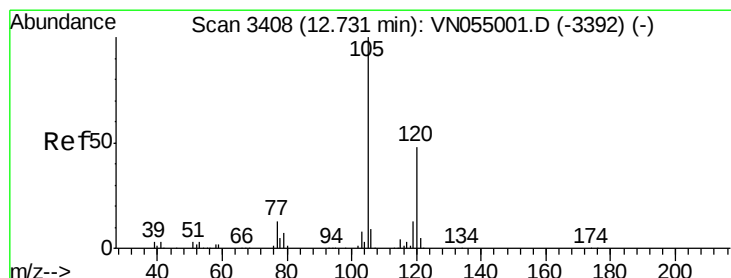
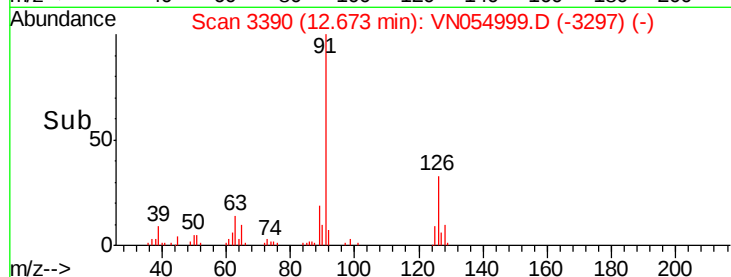
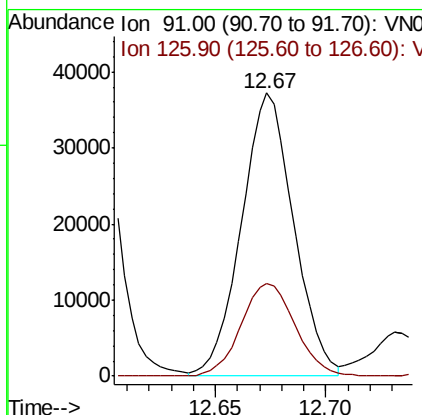
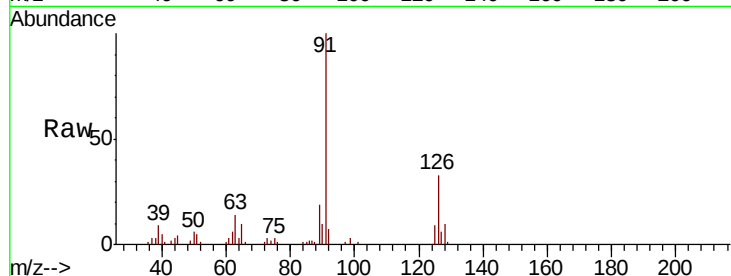




#79
 2-Chlorotoluene
 Concen: 5.176 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

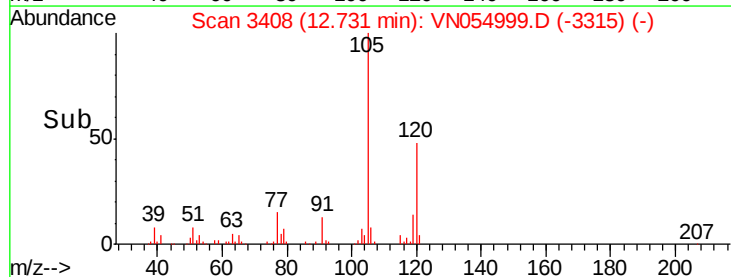
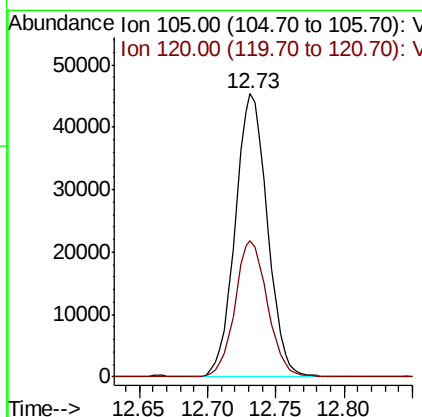
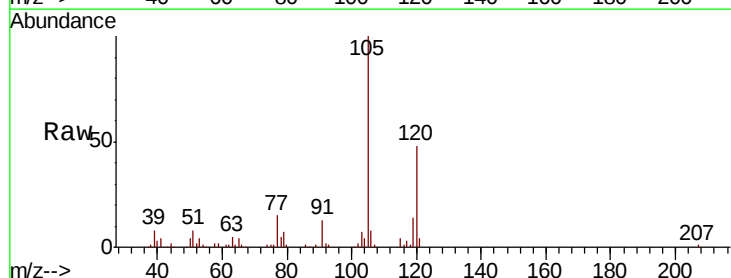
Instrument :
 MSVOA_N
 ClientSampled :

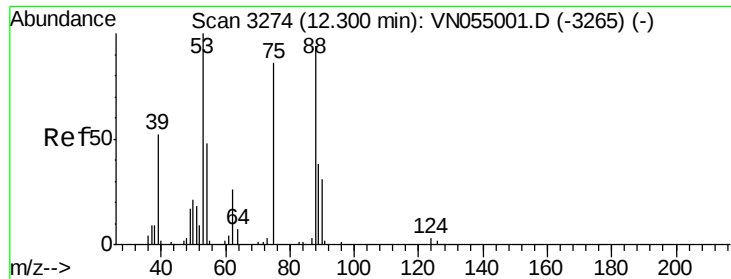
Tot Ion: 91 Resp: 60675
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 5.272 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion: 105 Resp: 74266
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.136 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

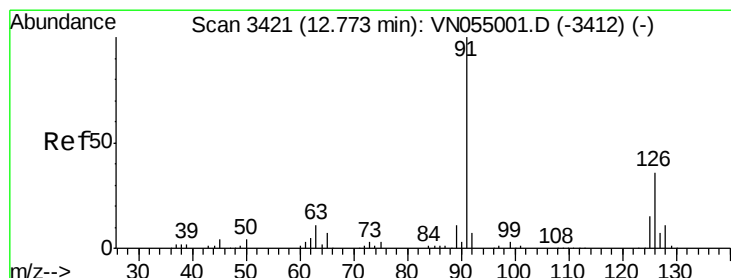
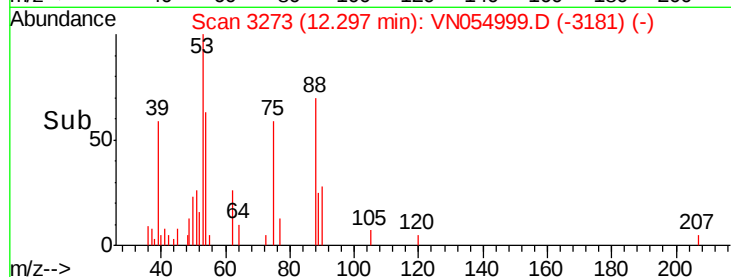
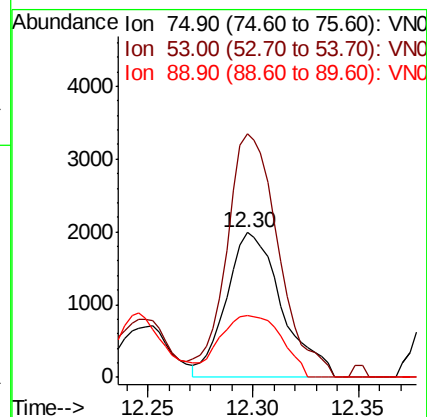
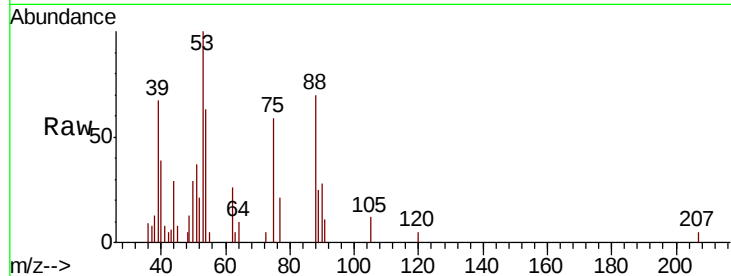
Tot Ion: 75 Resp: 3646

Ion Ratio Lower Upper

75 100

53 157.5 96.3 144.5#

89 47.1 38.6 57.8



#82

4-Chlorotoluene

Concen: 5.209 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054999.D

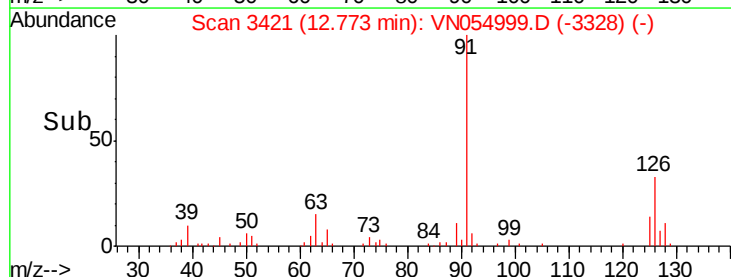
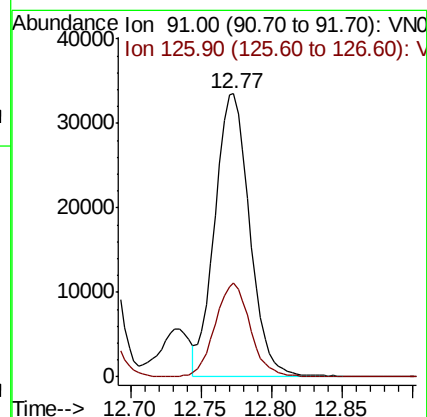
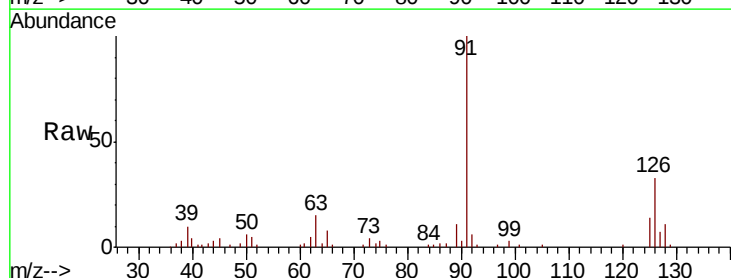
Acq: 12 Apr 2019 15:13

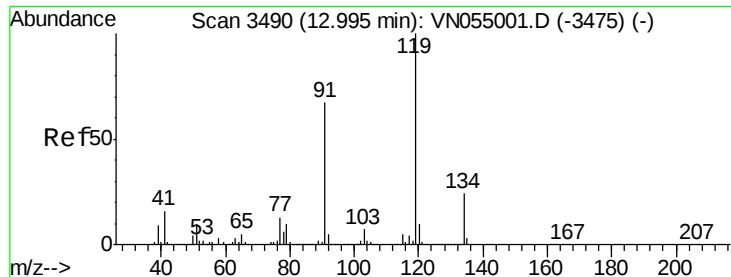
Tgt Ion: 91 Resp: 57751

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.2

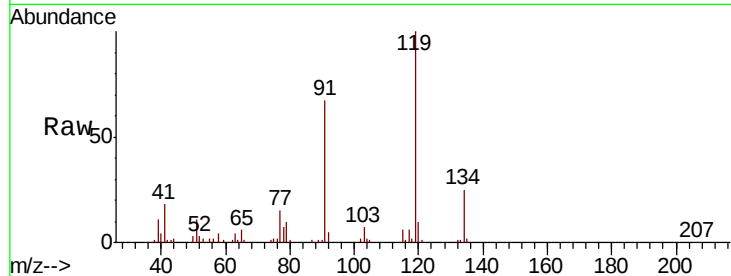




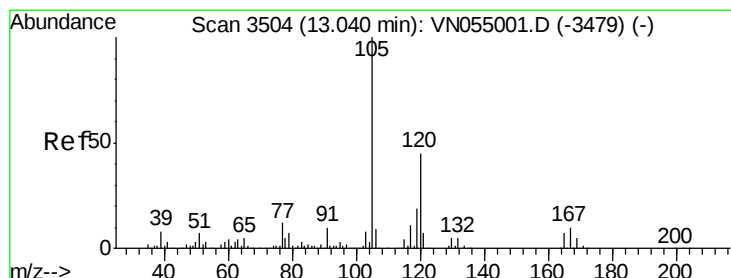
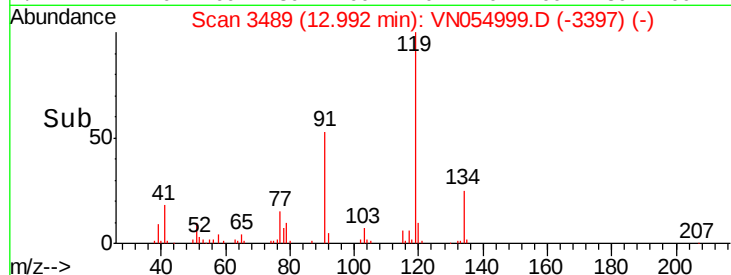
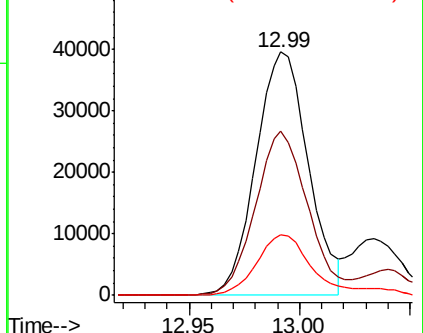
#83
tert-Butylbenzene
Concen: 5.408 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 64969
Ion Ratio Lower Upper
119 100
91 67.5 33.3 99.8
134 27.6 12.3 36.9

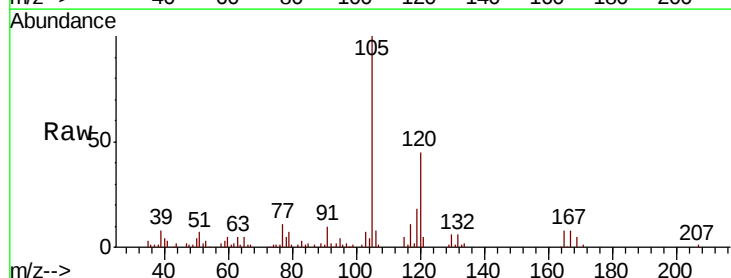


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

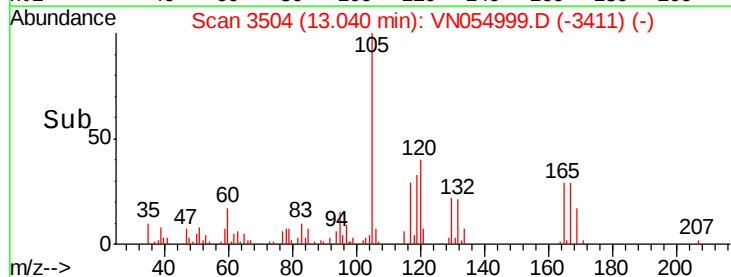
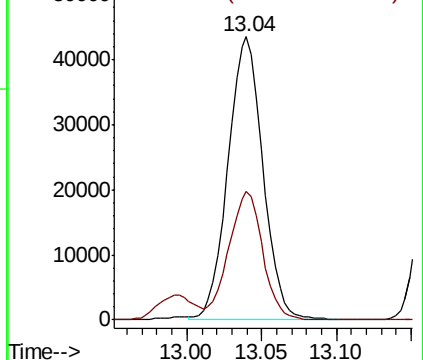


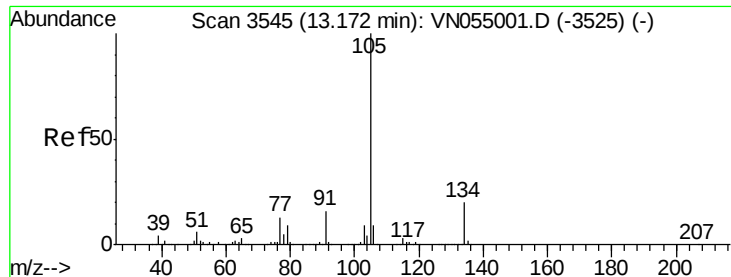
#84
1,2,4-Trimethylbenzene
Concen: 5.194 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion:105 Resp: 70730
Ion Ratio Lower Upper
105 100
120 44.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.321 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

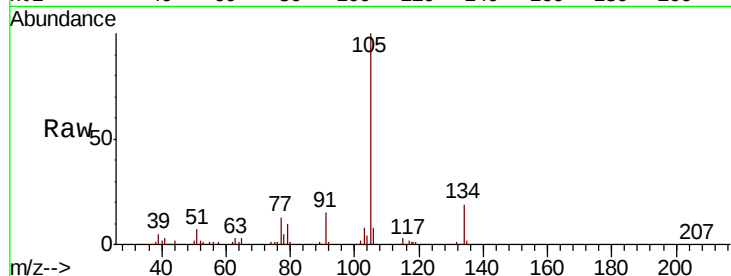
ClientSampled :

Tot Ion:105 Resp: 82692

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

60000

50000

40000

30000

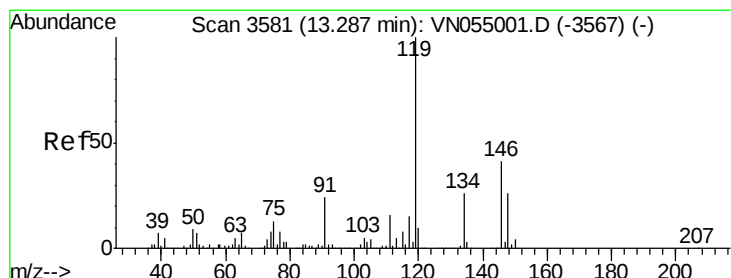
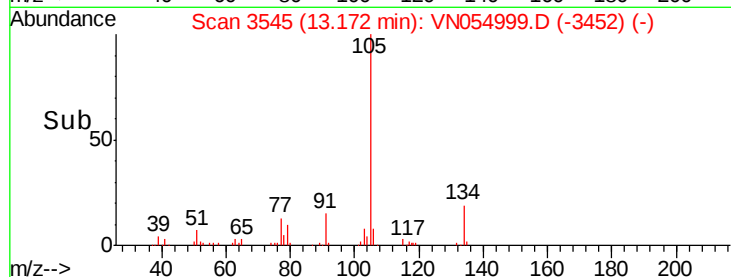
20000

10000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 5.127 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

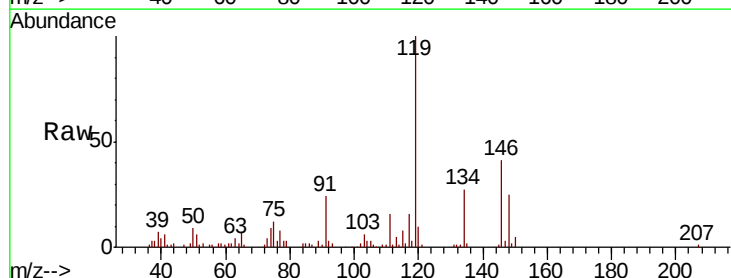
Tgt Ion:119 Resp: 68587

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

91 24.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

60000

50000

40000

30000

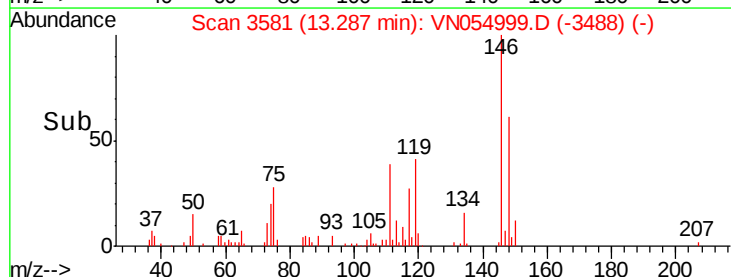
20000

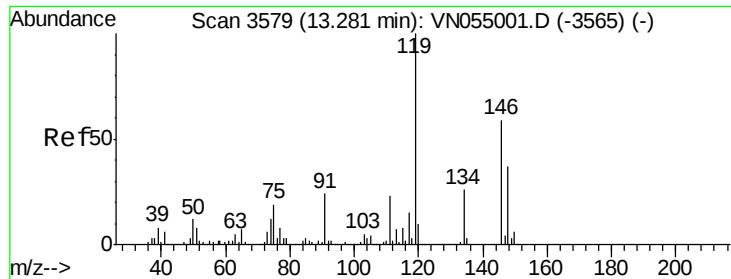
10000

0

Time-->

13.25 13.30 13.35

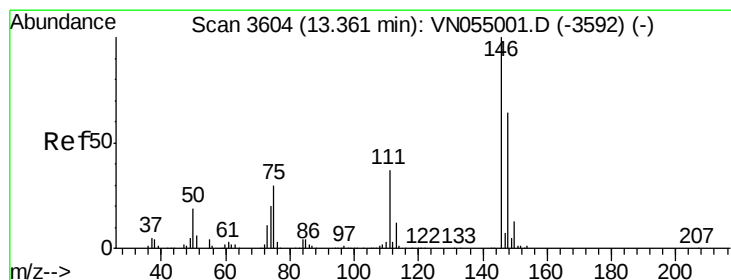
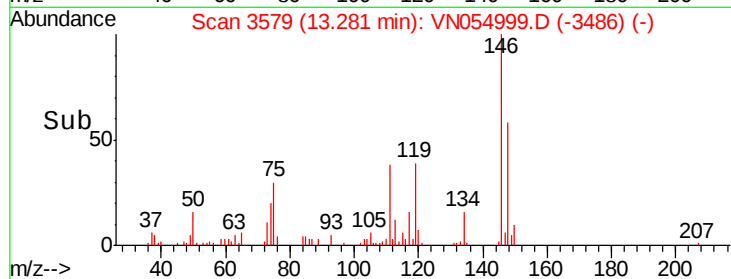
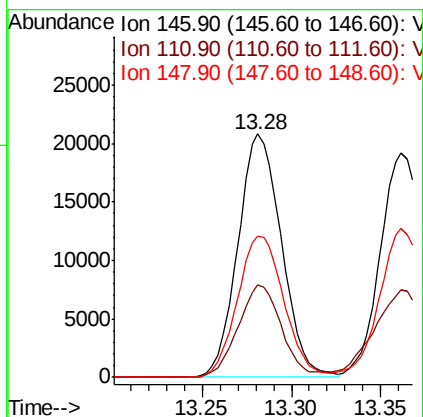
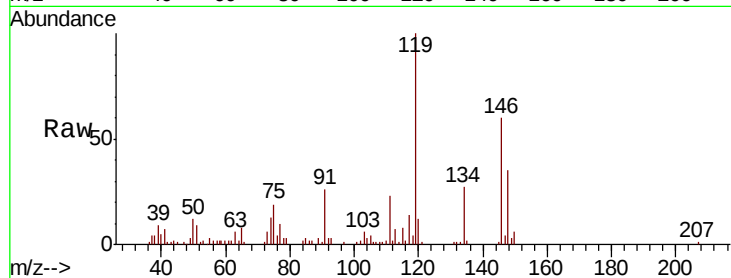




#87
 1,3-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

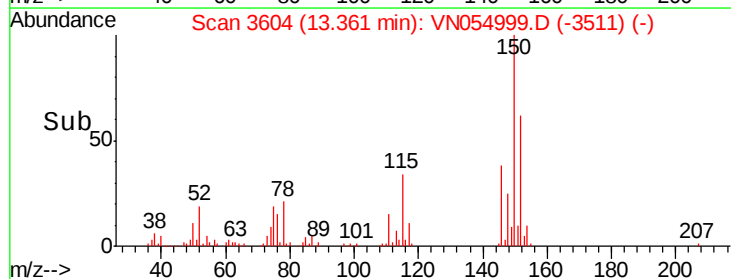
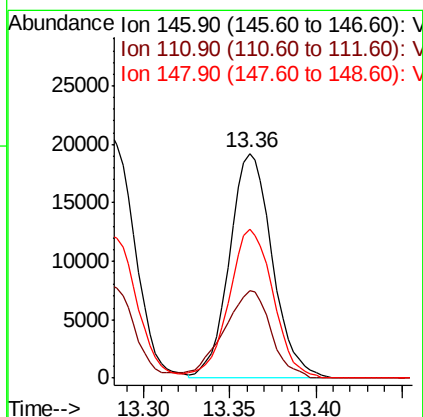
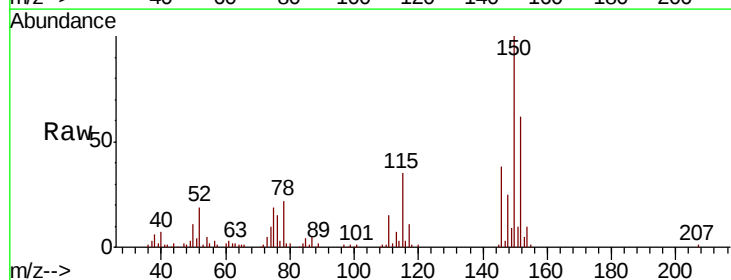
Instrument :
 MSVOA_N
 ClientSampleId :

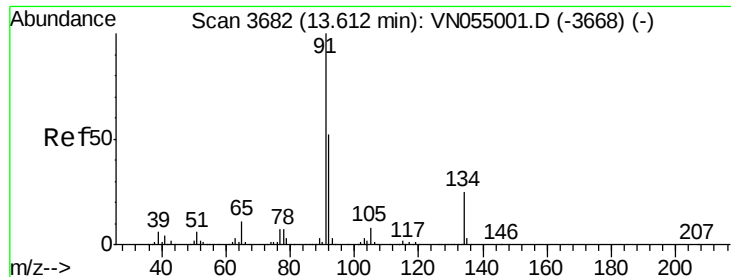
Tot Ion:146 Resp: 35502
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.5 58.5
 148 62.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 5.074 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion:146 Resp: 33374
 Ion Ratio Lower Upper
 146 100
 111 43.2 18.8 56.4
 148 68.4 32.4 97.2





#89

n-Butylbenzene

Concen: 4.529 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

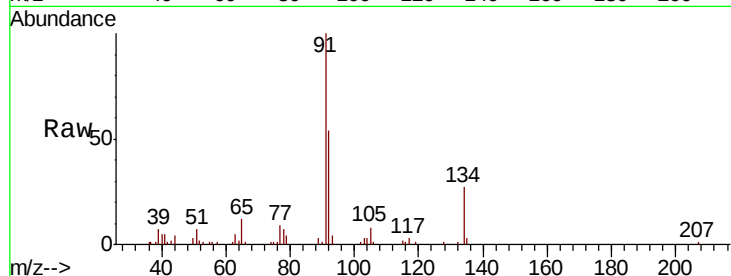
Tot Ion: 91 Resp: 48082

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

134 24.6 12.8 38.3

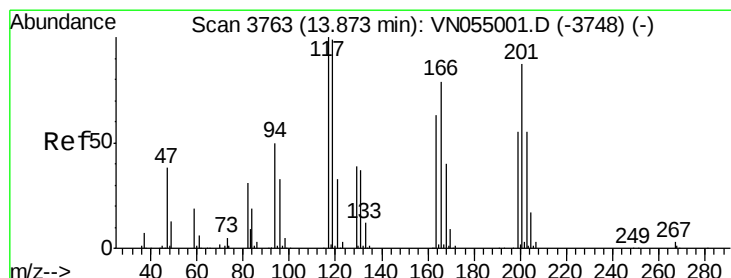
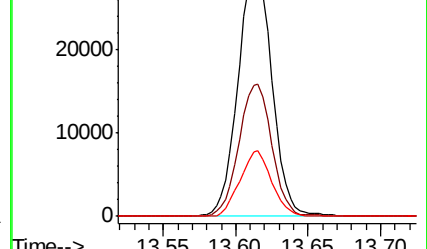
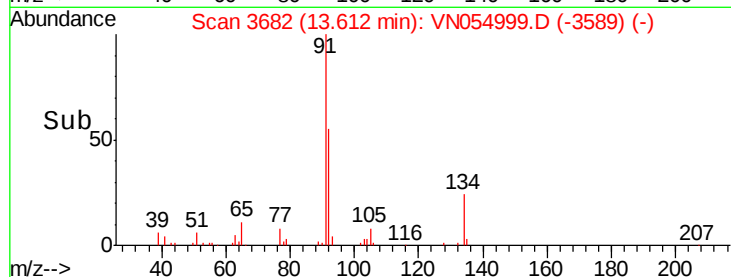


Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 5.104 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054999.D

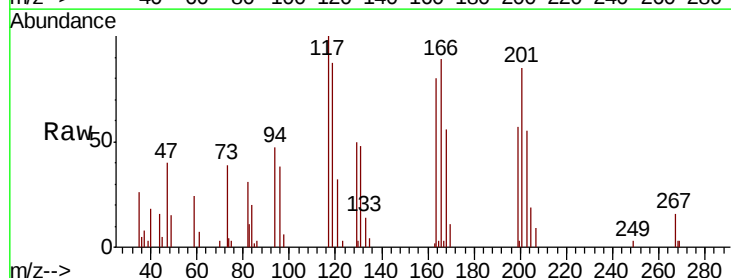
Acq: 12 Apr 2019 15:13

Tgt Ion: 117 Resp: 11357

Ion Ratio Lower Upper

117 100

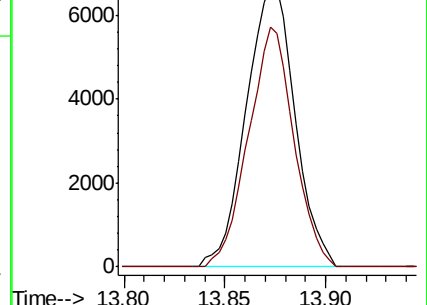
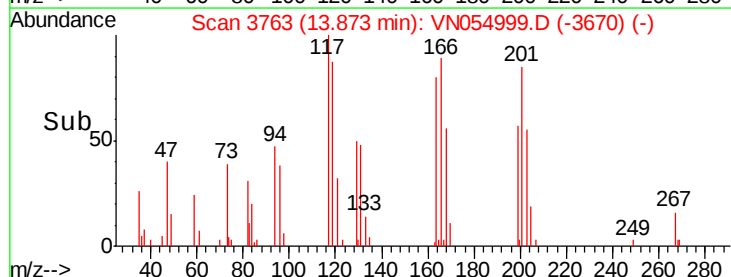
201 79.1 43.4 130.2

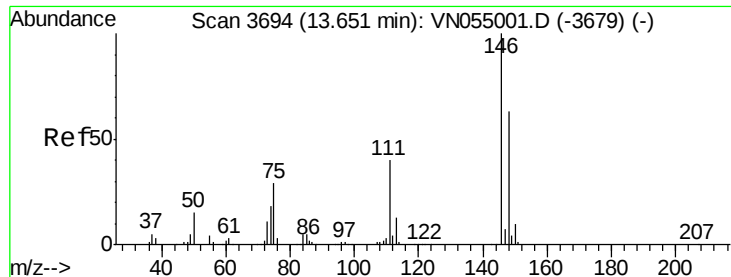


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 5.230 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

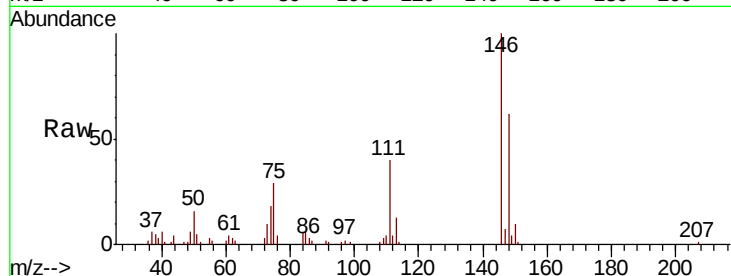
Tot Ion:146 Resp: 35538

Ion Ratio Lower Upper

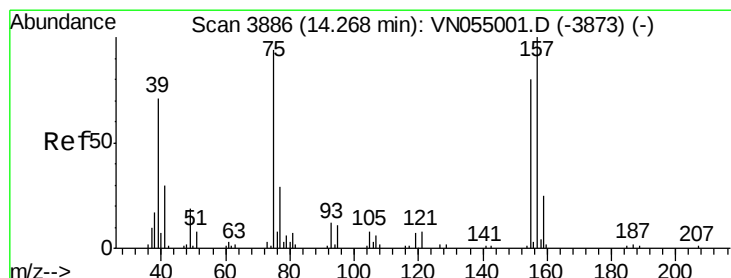
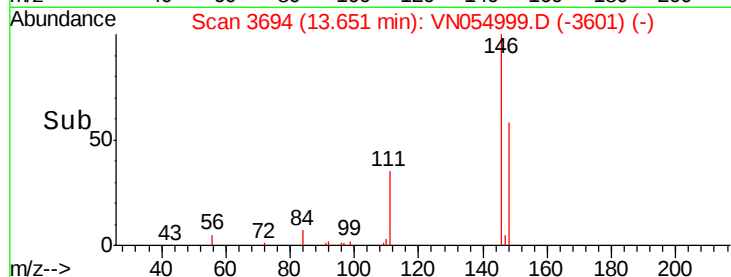
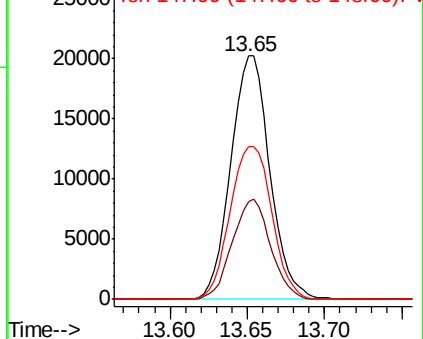
146 100

111 40.1 20.3 60.9

148 67.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.682 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

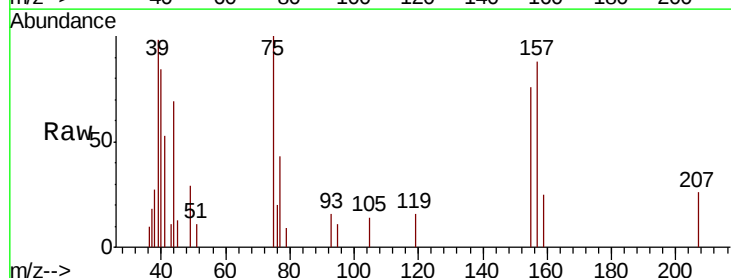
Tgt Ion: 75 Resp: 2788

Ion Ratio Lower Upper

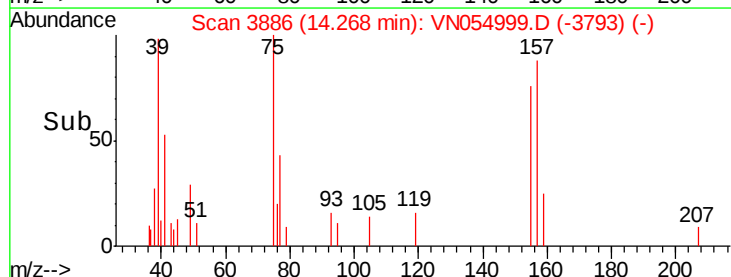
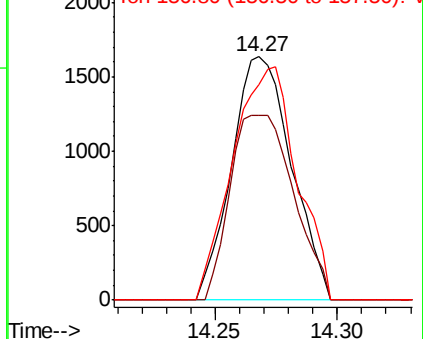
75 100

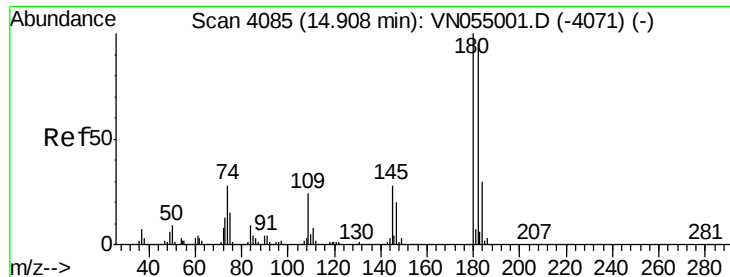
155 80.5 42.0 126.0

157 102.7 52.1 156.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

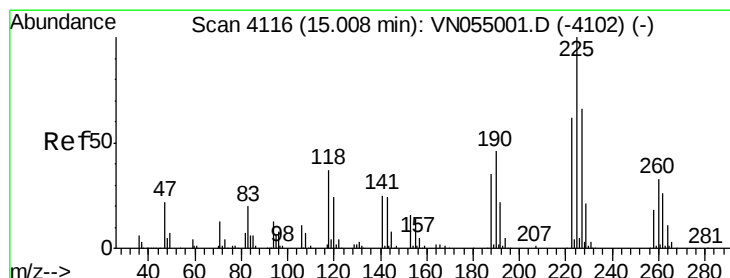
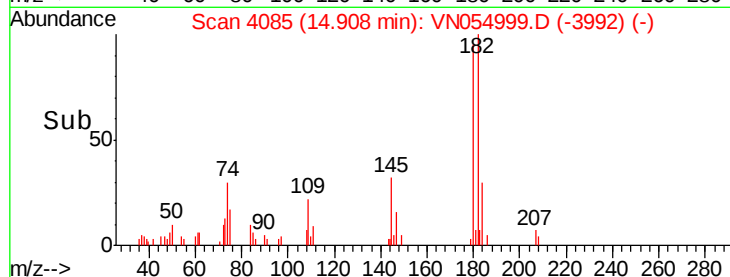
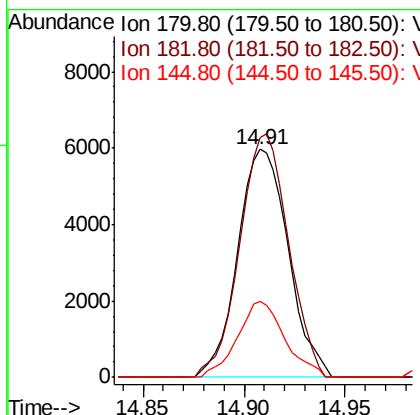
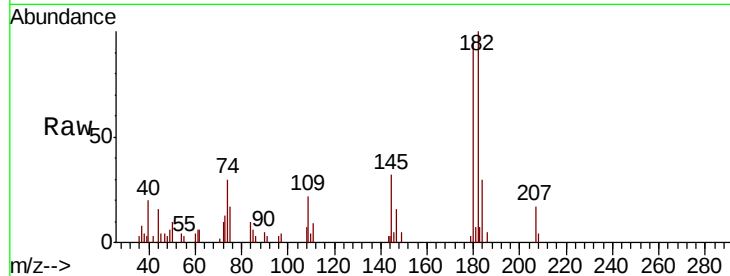




#93
 1,2,4-Trichlorobenzene
 Concen: 3.504 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

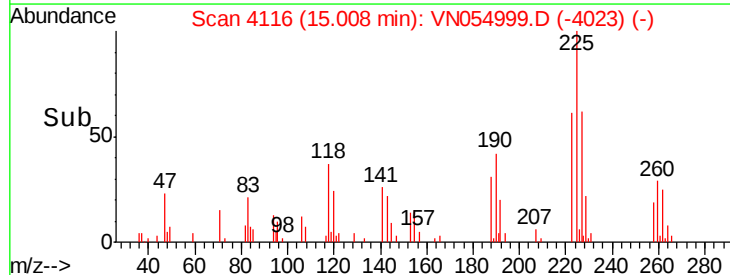
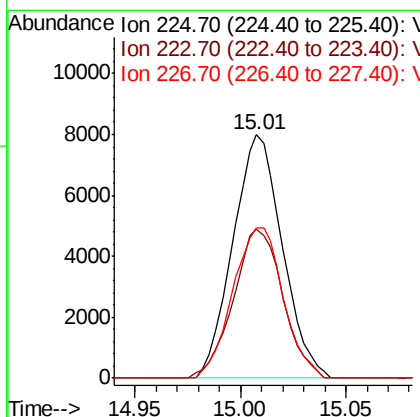
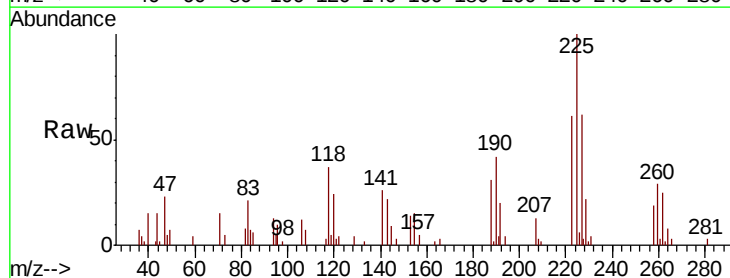
Instrument :
 MSVOA_N
 ClientSampleId :

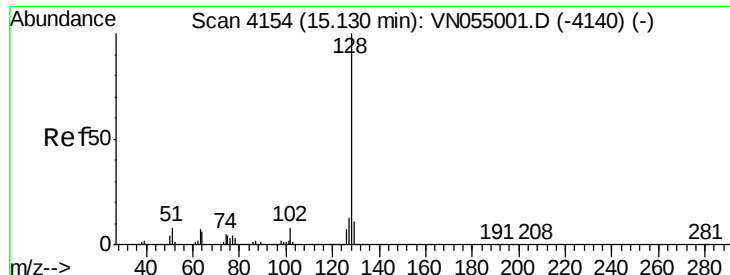
Tot Ion:180 Resp: 10468
 Ion Ratio Lower Upper
 180 100
 182 102.6 47.5 142.6
 145 31.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 5.692 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion:225 Resp: 12960
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.4 94.0
 227 63.2 32.6 97.7





#95

Naphthalene

Concen: 3.564 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054999.D

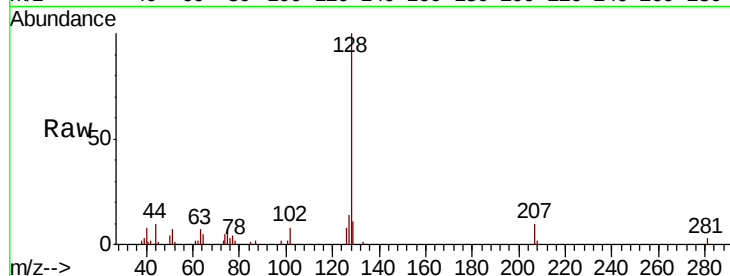
Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

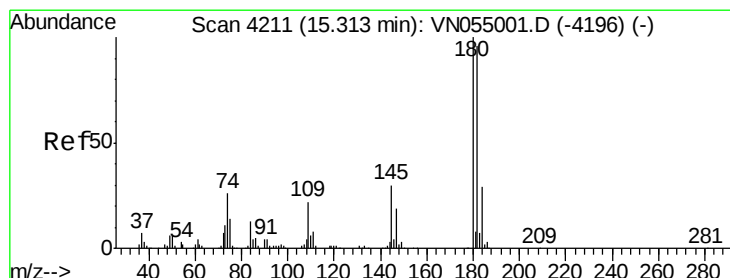
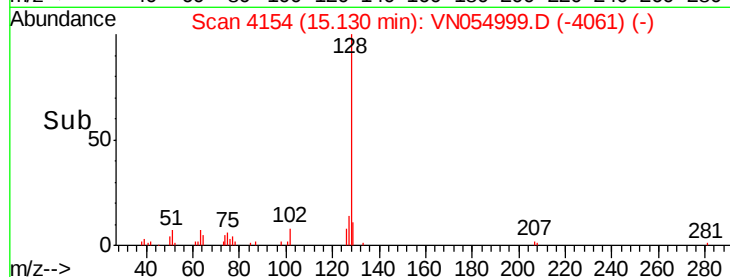
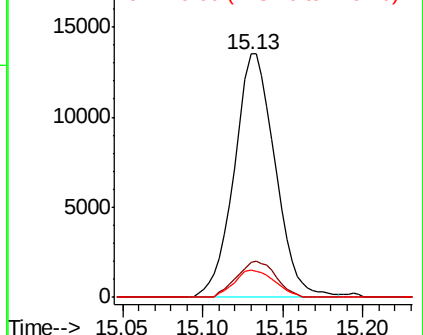
Tot Ion:128	Resp:	23517
Ion	Ratio	Lower Upper
128	100	
127	14.2	10.1 15.1
129	11.0	8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.995 ug/l

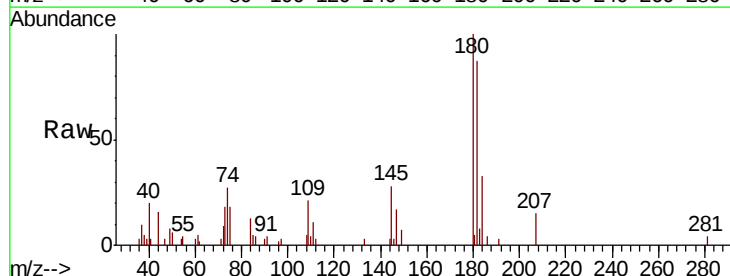
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:180	Resp:	12402
Ion	Ratio	Lower Upper
180	100	
182	97.4	48.0 144.0
145	30.4	15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

