

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056117.D
 Acq On : 7 Jun 2019 23:06
 Operator : JC/SP
 Sample : VN0608WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:15:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154236	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	146698	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	131093	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.09	98	497815	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	159819	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	62903	19.859	ug/l 97
3) Chloromethane	2.06	50	68567	21.701	ug/l 98
4) Vinyl Chloride	2.18	62	66912	21.112	ug/l 99
5) Bromomethane	2.55	94	42448	21.202	ug/l 98
6) Chloroethane	2.69	64	37936	20.644	ug/l 97
7) Trichlorofluoromethane	3.01	101	81228	20.076	ug/l 99
8) Diethyl Ether	3.40	74	33754	20.286	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50614	20.593	ug/l 100
10) Methyl Iodide	3.94	142	72689	18.610	ug/l 99
11) Tert butyl alcohol	4.82	59	49017	97.325	ug/l 99
12) 1,1-Dichloroethene	3.72	96	49426	20.199	ug/l 98
13) Acrolein	3.60	56	10893	74.993	ug/l 99
14) Allyl chloride	4.31	41	74198	19.203	ug/l 99
15) Acrylonitrile	4.99	53	141403	115.337	ug/l 99
16) Acetone	3.82	43	118478	85.595	ug/l 100
17) Carbon Disulfide	4.04	76	97737	16.682	ug/l 99
18) Methyl Acetate	4.33	43	65923	23.945	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	162830	20.877	ug/l 99
20) Methylene Chloride	4.54	84	60882	21.349	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	52921	20.185	ug/l 96
22) Diisopropyl ether	5.95	45	168169	21.055	ug/l 98
23) Vinyl Acetate	5.90	43	647957	103.017	ug/l 100
24) 1,1-Dichloroethane	5.84	63	96049	20.848	ug/l 100
25) 2-Butanone	6.84	43	182873	104.567	ug/l 99
26) 2,2-Dichloropropane	6.82	77	51153	14.229	ug/l 97
27) cis-1,2-Dichloroethene	6.83	96	63380	20.566	ug/l 96
28) Bromochloromethane	7.19	49	45837	21.038	ug/l 99
29) Tetrahydrofuran	7.22	42	122347	113.176	ug/l 99
30) Chloroform	7.37	83	97994	21.143	ug/l 99
31) Cyclohexane	7.65	56	89392	19.465	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	76514	19.770	ug/l 99
36) 1,1-Dichloropropene	7.79	75	69024	18.371	ug/l 99
37) Ethyl Acetate	6.94	43	74993	22.432	ug/l 99
38) Carbon Tetrachloride	7.77	117	64053	18.491	ug/l 97

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Quant Time: Jun 08 05:15:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	83728	17.889	ug/l	99
40) Benzene	8.04	78	228083	19.987	ug/l	99
41) Methacrylonitrile	7.18	41	33258	21.622	ug/l	95
42) 1,2-Dichloroethane	8.12	62	73082	19.909	ug/l	100
43) Isopropyl Acetate	8.17	43	109096	20.138	ug/l	94
44) Trichloroethene	8.83	130	63226	19.281	ug/l	100
45) 1,2-Dichloropropane	9.12	63	60484	20.692	ug/l	96
46) Dibromomethane	9.21	93	39240	20.529	ug/l	100
47) Bromodichloromethane	9.40	83	65414	18.882	ug/l	96
48) Methyl methacrylate	9.20	41	55653	20.998	ug/l	96
49) 1,4-Dioxane	9.21	88	24673	431.213	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	364548	107.607	ug/l	99
52) Toluene	10.16	92	143057	20.146	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	61884	16.903	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	76190	18.296	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57593	20.475	ug/l	99
56) Ethyl methacrylate	10.43	69	83007	20.228	ug/l	97
57) 1,3-Dichloropropane	10.71	76	94557	20.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	146421	99.512	ug/l	99
59) 2-Hexanone	10.75	43	252526	102.846	ug/l	99
60) Dibromochloromethane	10.90	129	50450	17.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	58400	20.309	ug/l	96
64) Tetrachloroethene	10.63	164	66347	19.858	ug/l	98
65) Chlorobenzene	11.43	112	171297	22.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	52252	19.699	ug/l	98
67) Ethyl Benzene	11.51	91	262127	19.624	ug/l	99
68) m/p-Xylenes	11.62	106	197826	38.769	ug/l	99
69) o-Xylene	11.95	106	99029	19.729	ug/l	99
70) Styrene	11.96	104	157504	19.750	ug/l	99
71) Bromoform	12.13	173	33840	17.105	ug/l #	99
73) Isopropylbenzene	12.25	105	258112	22.129	ug/l	100
74) N-amyl acetate	12.07	43	87132	21.193	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	80261	22.416	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87868	30.961	ug/l #	100
77) Bromobenzene	12.53	156	69405	21.018	ug/l	93
78) n-propylbenzene	12.59	91	262150	20.091	ug/l	99
79) 2-Chlorotoluene	12.67	91	167621	21.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	209930	20.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	13107	15.380	ug/l #	77
82) 4-Chlorotoluene	12.77	91	153322	20.085	ug/l	100
83) tert-Butylbenzene	12.99	119	190698	22.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	203866	20.731	ug/l	99
85) sec-Butylbenzene	13.17	105	236027	20.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	206346	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	100851	19.733	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	96997	19.729	ug/l	100
89) n-Butylbenzene	13.61	91	137280	17.919	ug/l	99
90) Hexachloroethane	13.88	117	29007	18.599	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	108997	21.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10482	20.468	ug/l	97

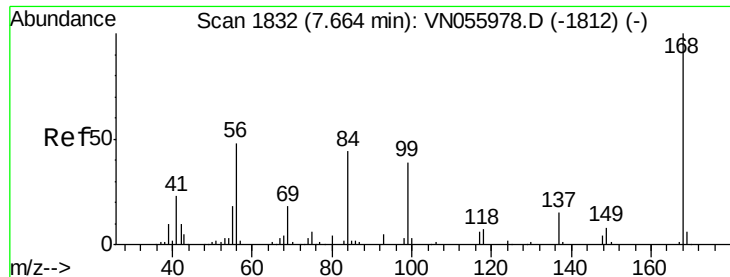
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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38108	16.527	ug/l	98
94) Hexachlorobutadiene	15.01	225	37581	19.984	ug/l	98
95) Naphthalene	15.13	128	106321	17.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44864	17.575	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

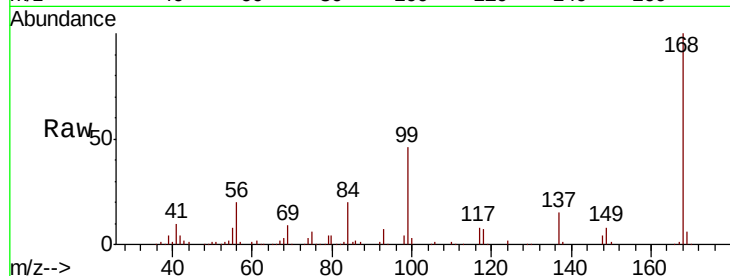
ClientSampleId :

Tot Ion:168 Resp: 291477

Ion Ratio Lower Upper

168 100

99 44.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

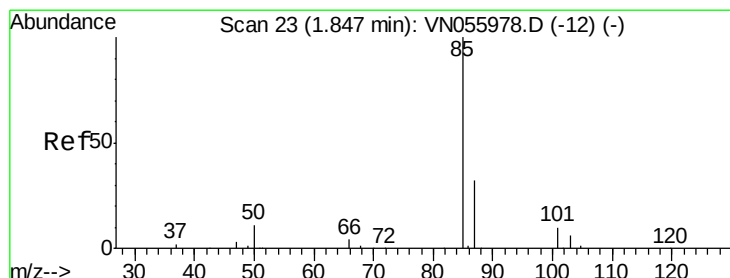
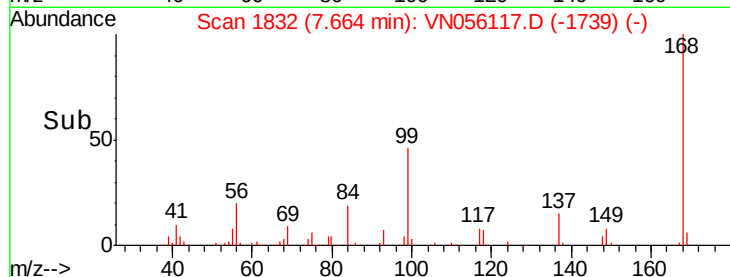
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.859 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056117.D

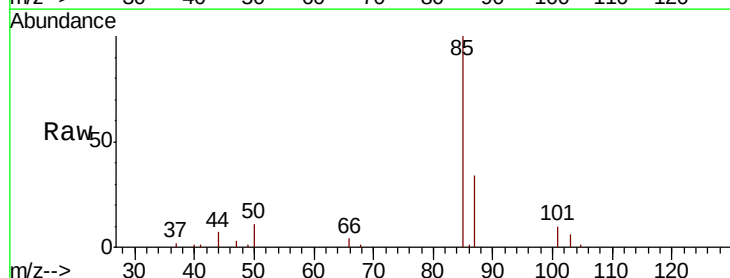
Acq: 7 Jun 2019 23:06

Tgt Ion: 85 Resp: 62903

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

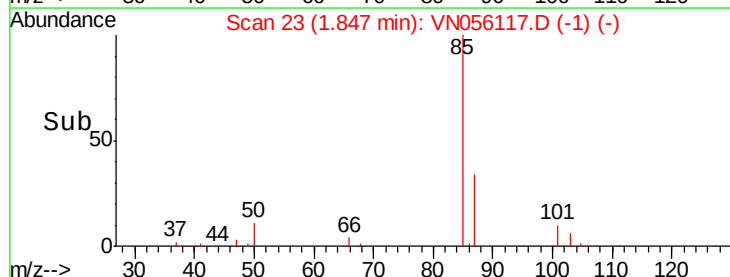
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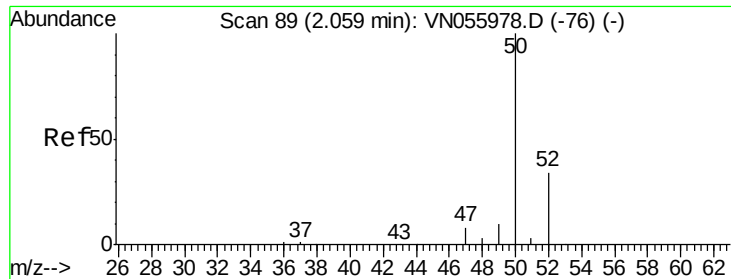
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10000

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Time-->

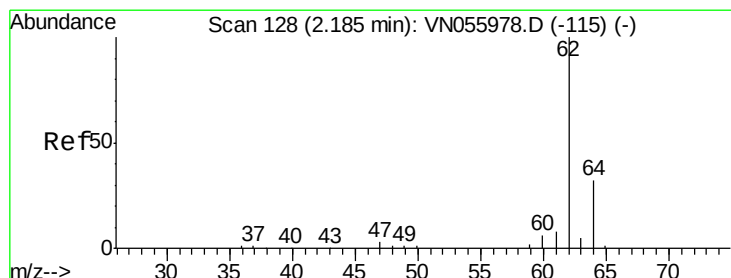
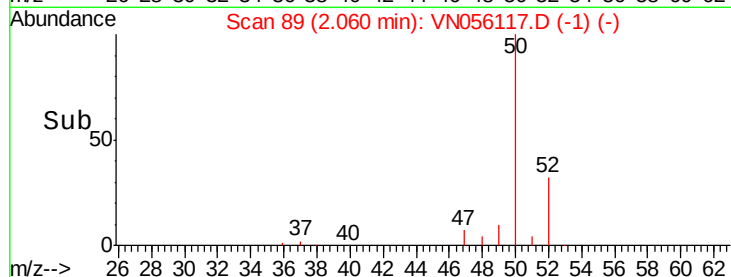
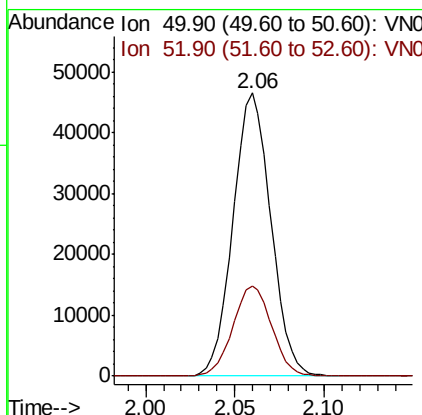
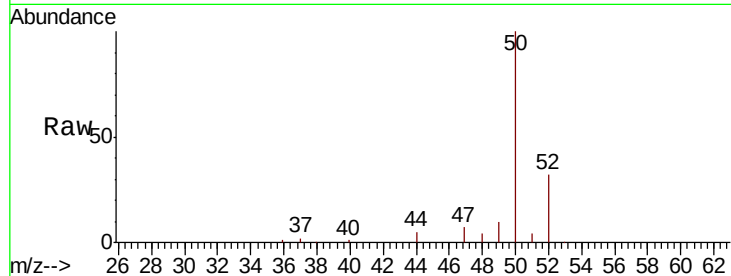




#3
Chloromethane
Concen: 21.701 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

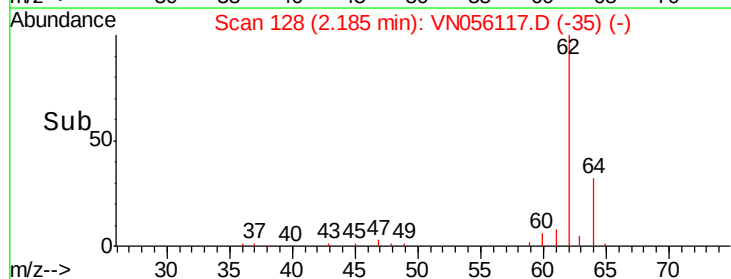
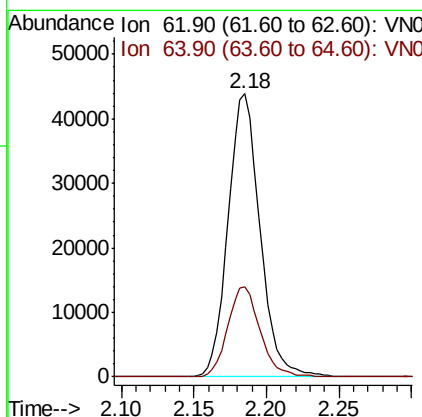
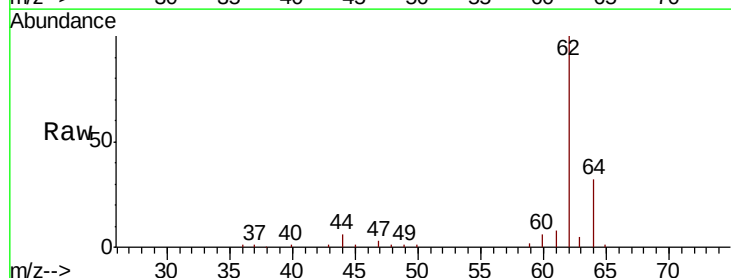
Instrument :
MSVOA_N
ClientSampled :

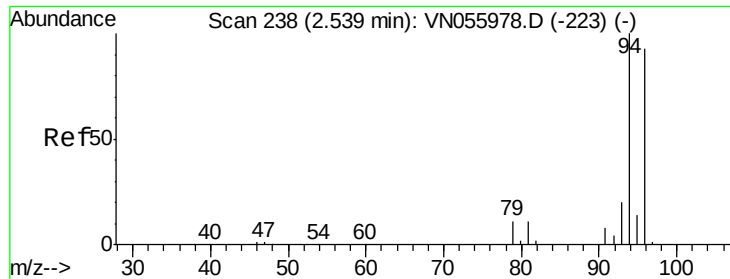
Tot Ion: 50 Resp: 68567
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0



#4
Vinyl Chloride
Concen: 21.112 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 62 Resp: 66912
Ion Ratio Lower Upper
62 100
64 31.7 25.6 38.4

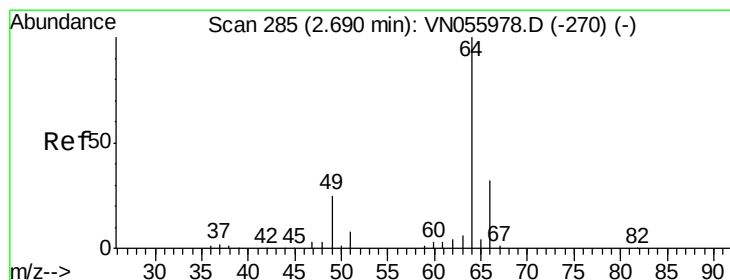
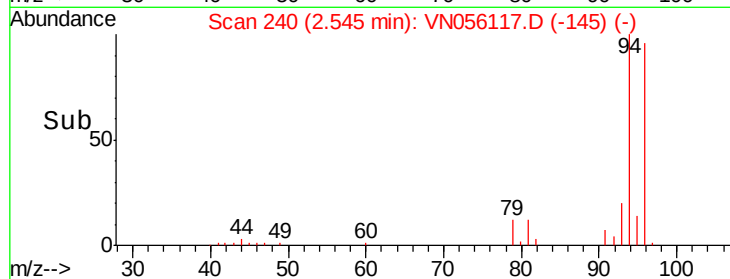
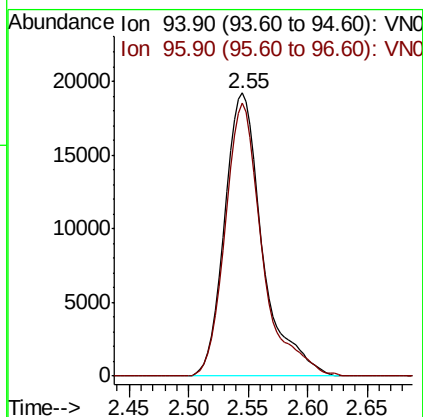
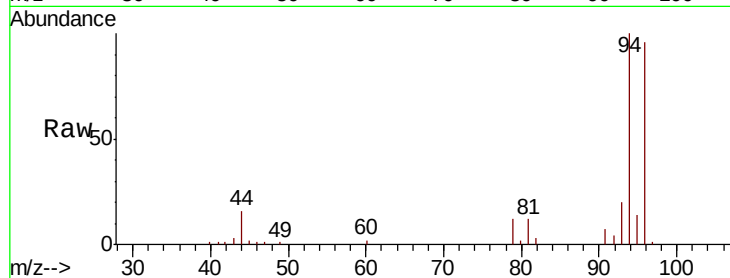




#5
Bromomethane
Concen: 21.202 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

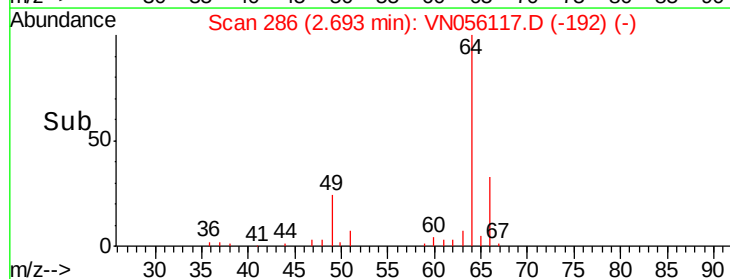
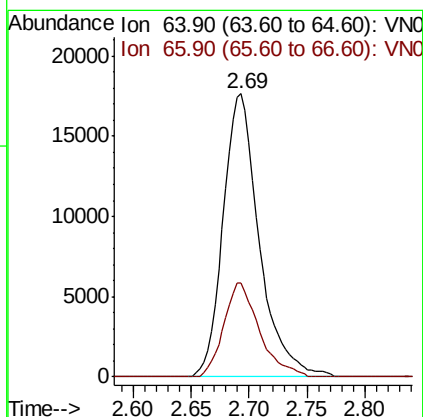
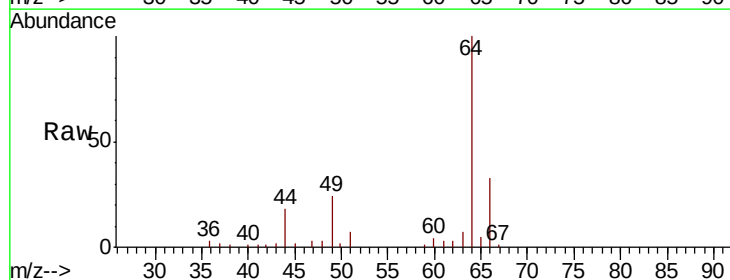
Instrument :
MSVOA_N
ClientSampled :

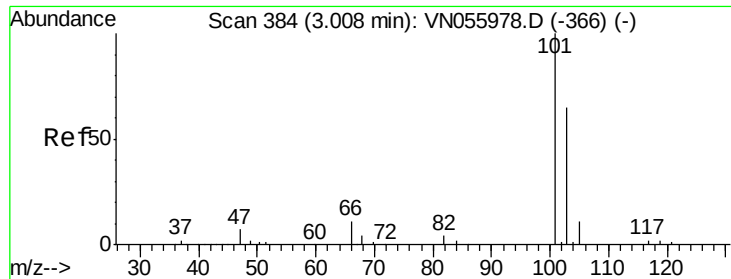
Tot Ion: 94 Resp: 42448
Ion Ratio Lower Upper
94 100
96 96.3 75.5 113.3



#6
Chloroethane
Concen: 20.644 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 64 Resp: 37936
Ion Ratio Lower Upper
64 100
66 33.1 25.4 38.0



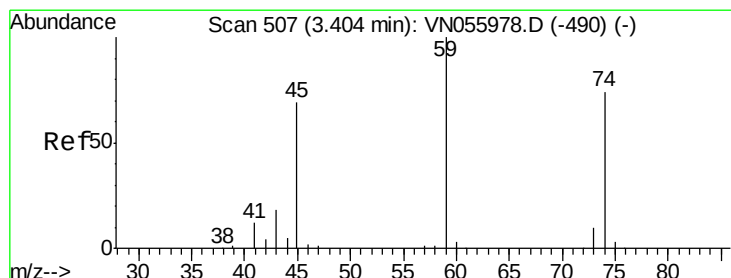
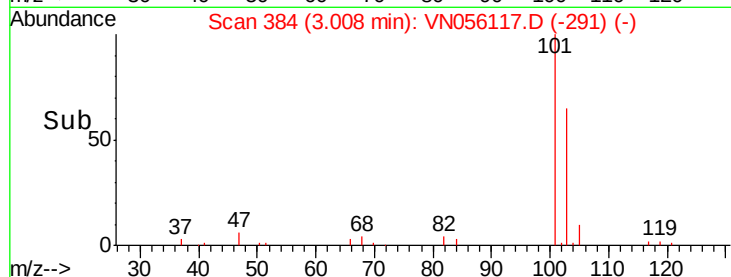
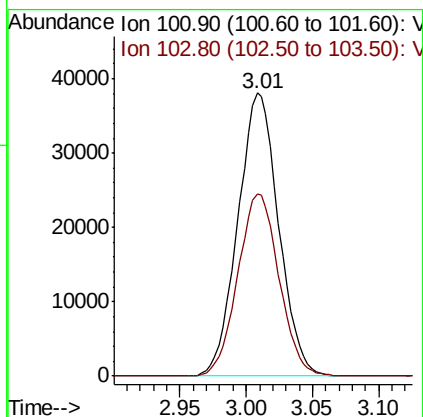
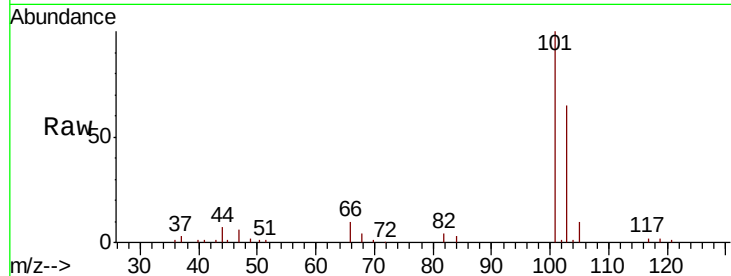


#7

Trichlorofluoromethane
 Concen: 20.076 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampled :

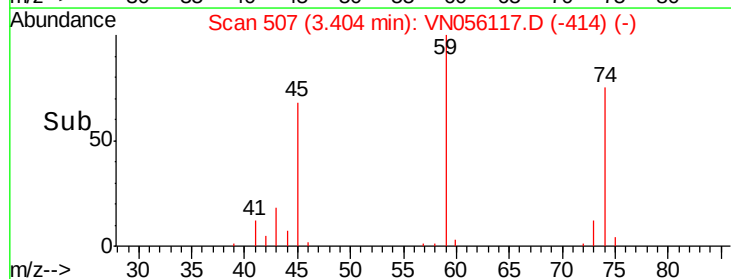
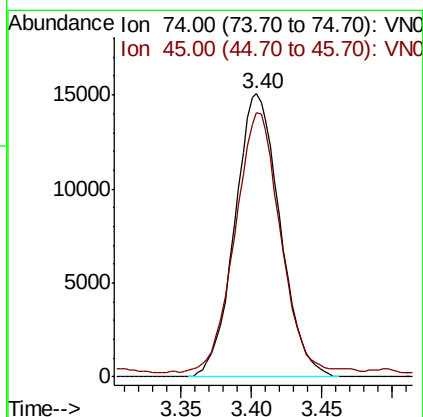
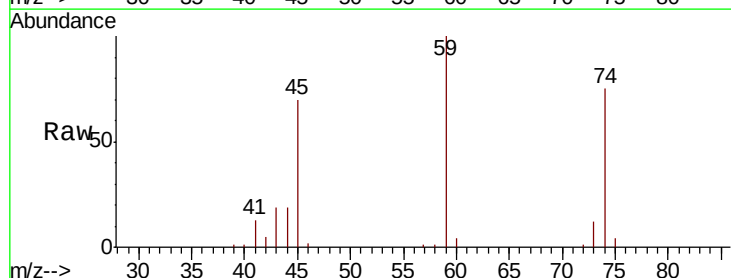
Tot Ion:101 Resp: 81228
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

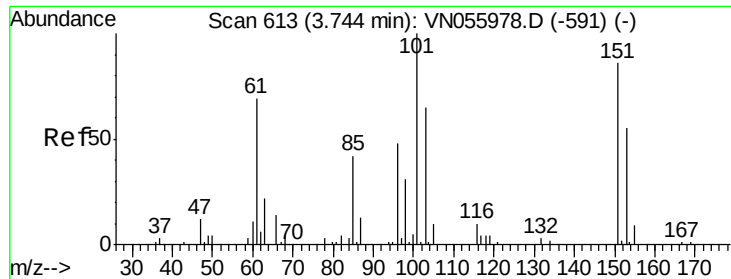


#8

Diethyl Ether
 Concen: 20.286 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 74 Resp: 33754
 Ion Ratio Lower Upper
 74 100
 45 91.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.593 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

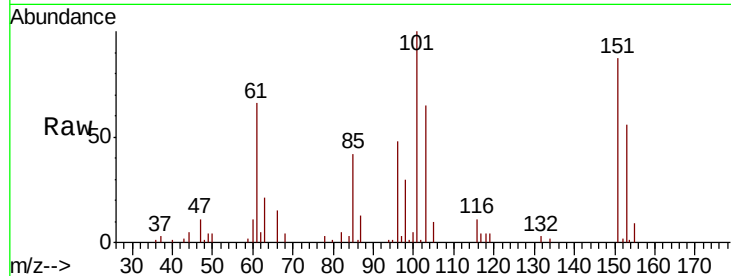
Tot Ion:101 Resp: 50614

Ion Ratio Lower Upper

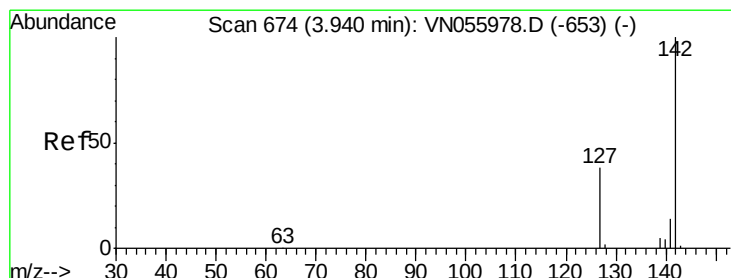
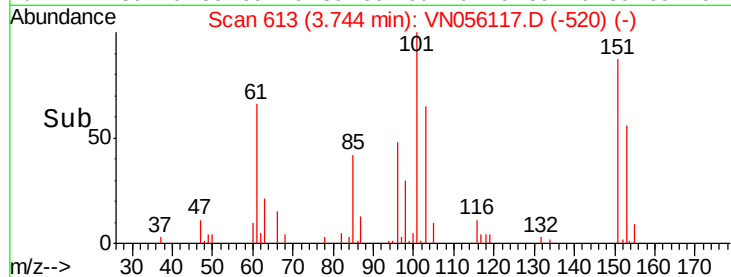
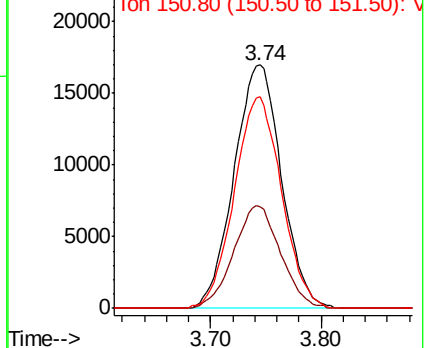
101 100

85 41.5 33.4 50.2

151 86.3 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.610 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

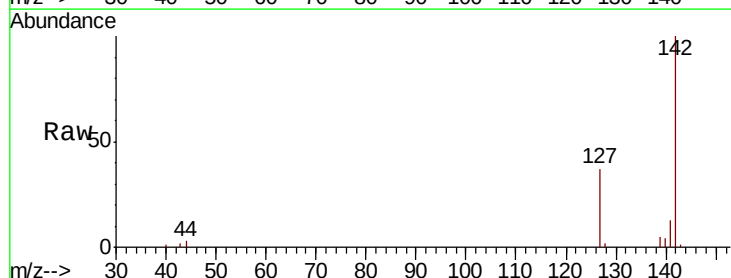
Tgt Ion:142 Resp: 72689

Ion Ratio Lower Upper

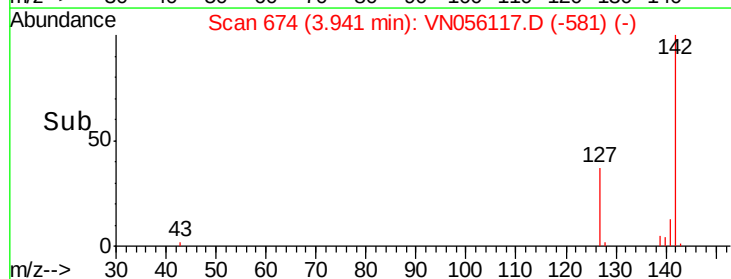
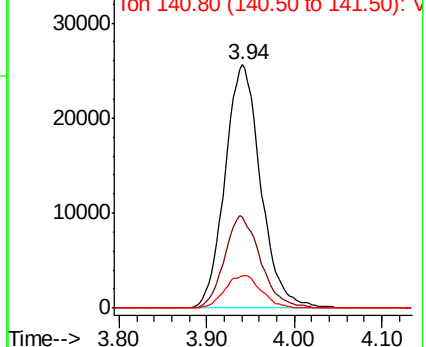
142 100

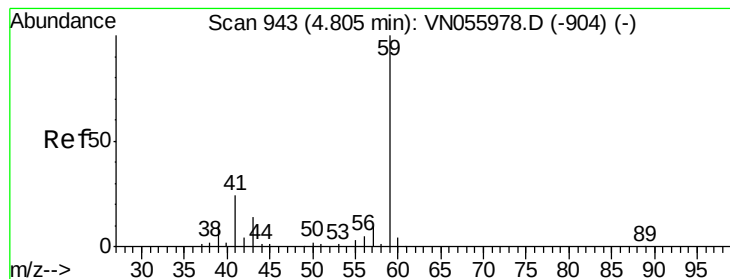
127 37.9 31.0 46.4

141 13.6 11.4 17.0



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: 97.325 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

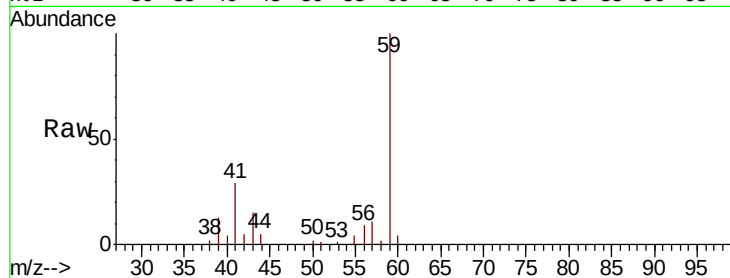
ClientSampled :

Tot Ion: 59 Resp: 49017

Ion Ratio Lower Upper

59 100

57 10.0 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

15000

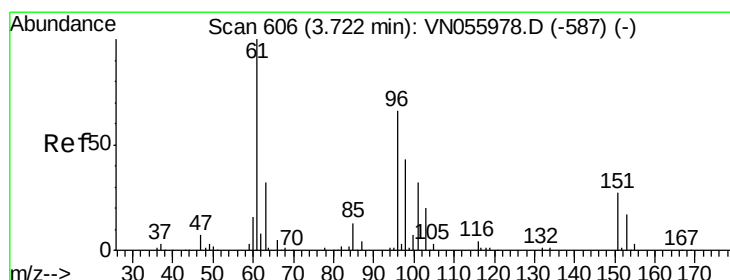
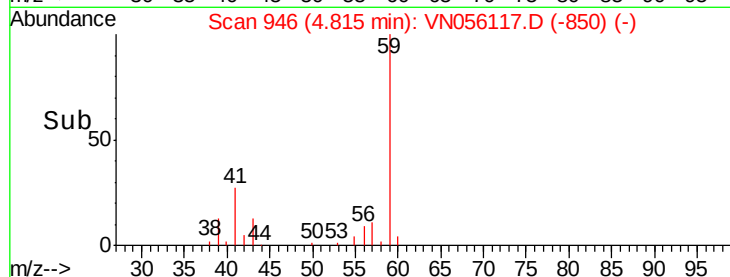
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 20.199 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

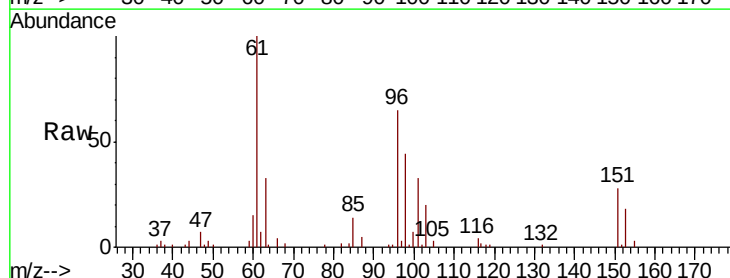
Tgt Ion: 96 Resp: 49426

Ion Ratio Lower Upper

96 100

61 153.6 123.2 184.8

98 67.0 50.4 75.6



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

40000

30000

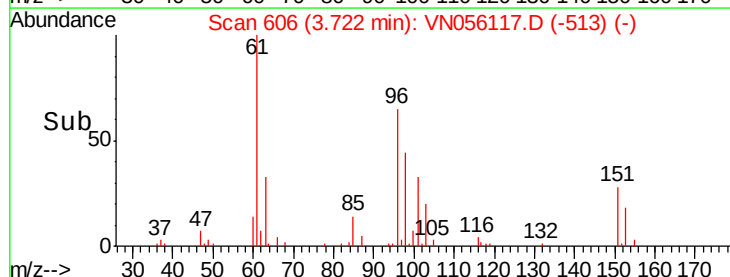
20000

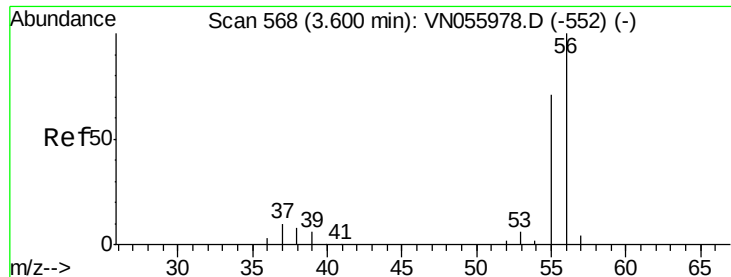
10000

0

3.65 3.70 3.75 3.80

Time-->





#13

Acrolein

Concen: 74.993 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

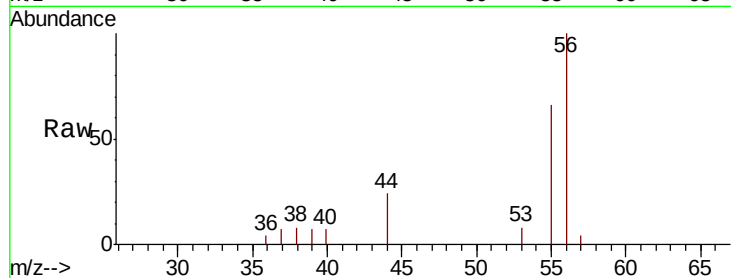
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10893

Ion Ratio Lower Upper

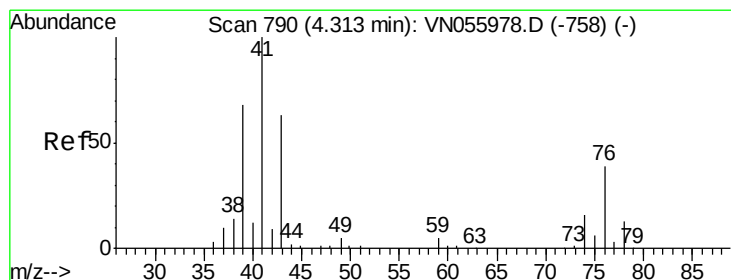
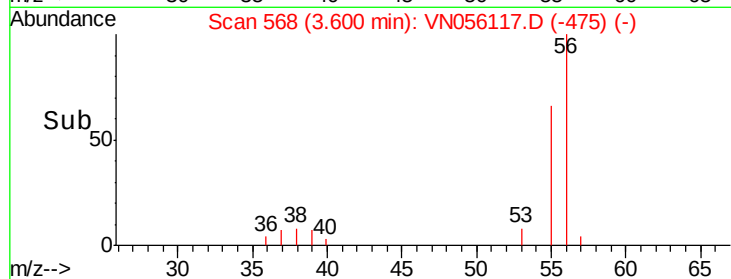
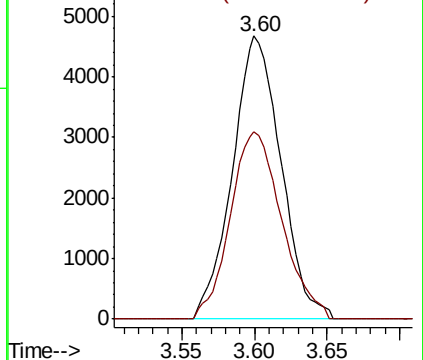
56 100

55 70.0 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

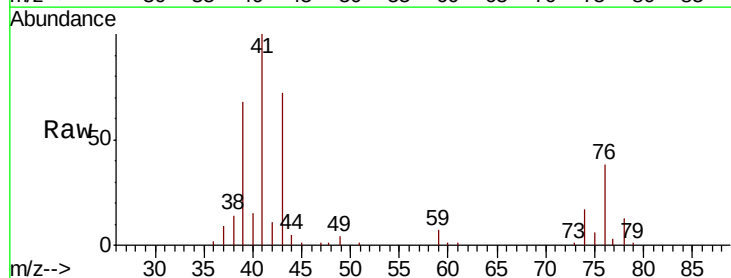
Tgt Ion: 41 Resp: 74198

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

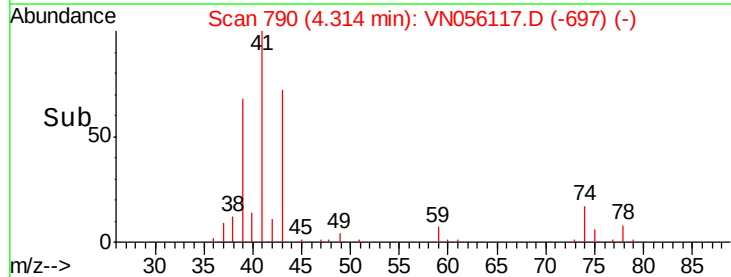
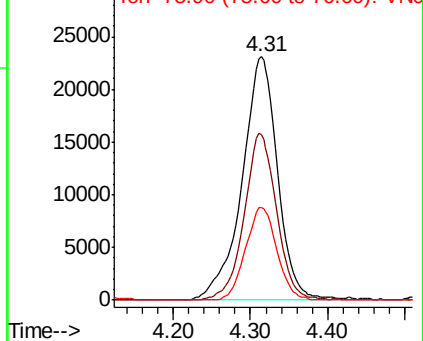
76 33.5 28.2 42.2

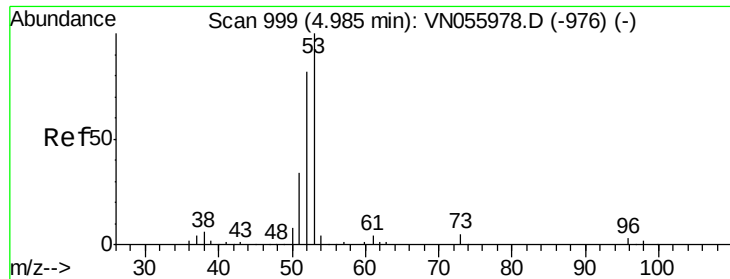


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 115.337 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

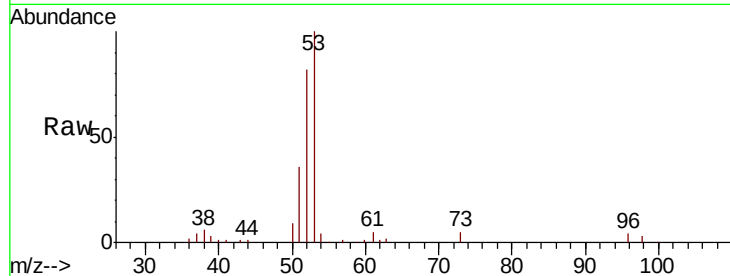
Tot Ion: 53 Resp: 141403

Ion Ratio Lower Upper

53 100

52 81.9 65.8 98.8

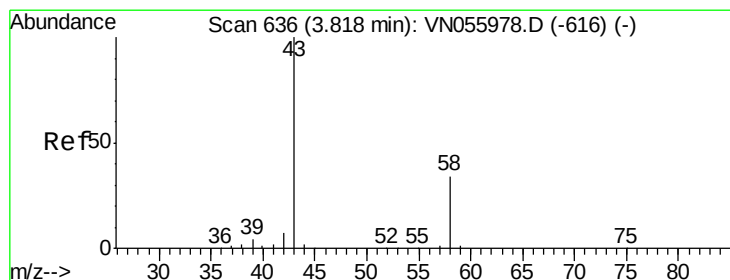
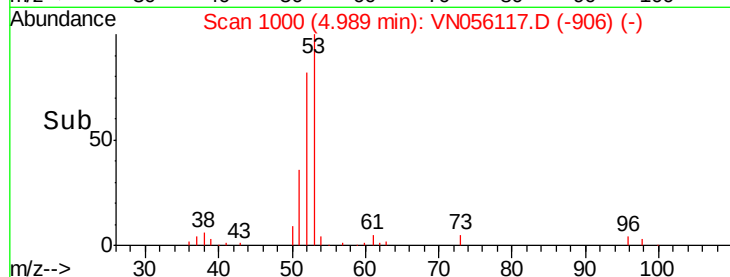
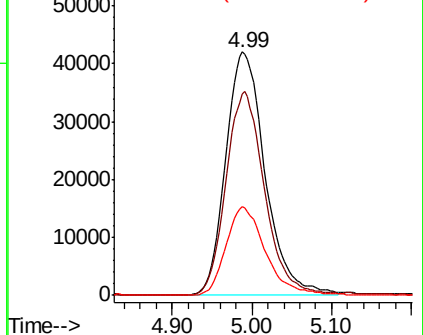
51 36.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.595 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056117.D

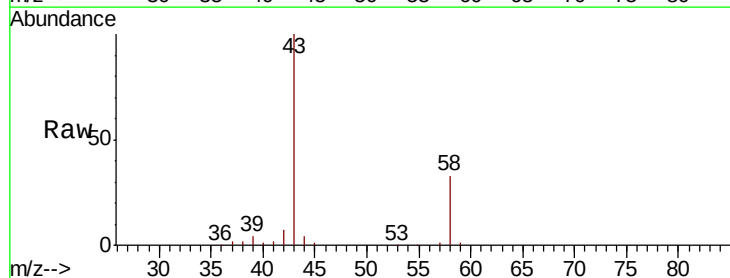
Acq: 7 Jun 2019 23:06

Tgt Ion: 43 Resp: 118478

Ion Ratio Lower Upper

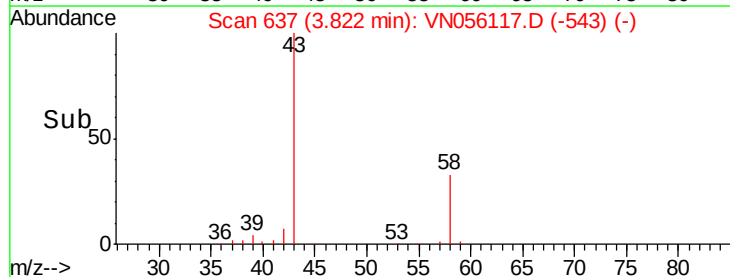
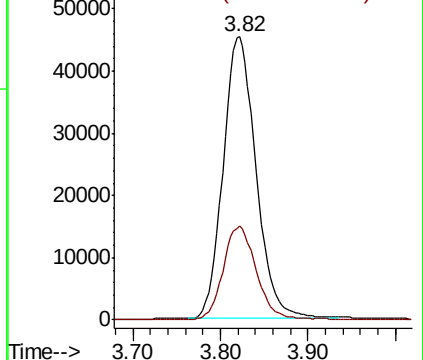
43 100

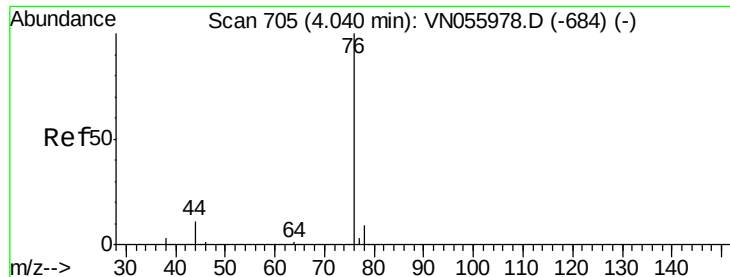
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.682 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

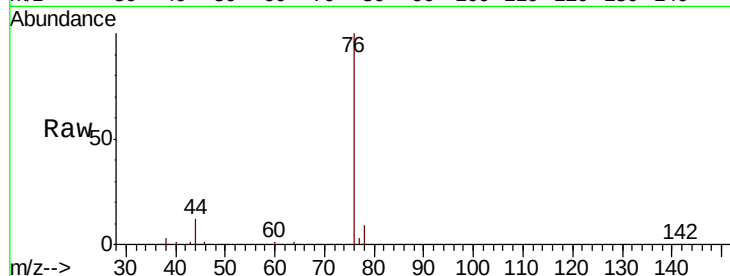
ClientSampleId :

Tot Ion: 76 Resp: 97737

Ion Ratio Lower Upper

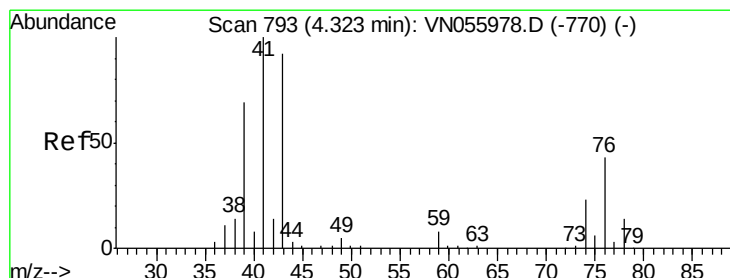
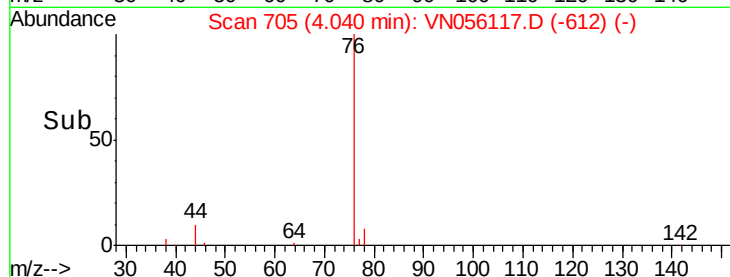
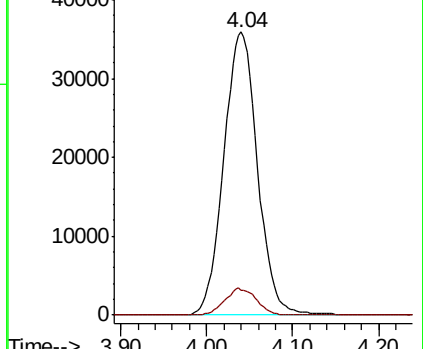
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.945 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056117.D

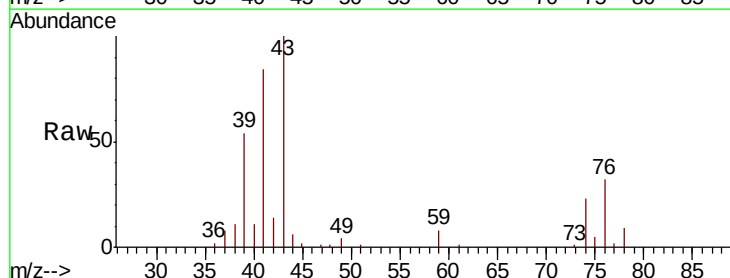
Acq: 7 Jun 2019 23:06

Tgt Ion: 43 Resp: 65923

Ion Ratio Lower Upper

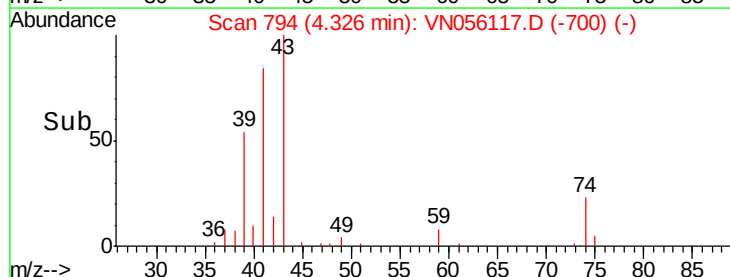
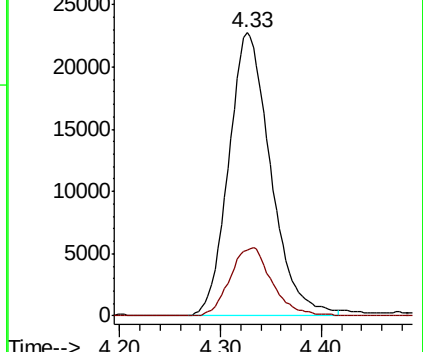
43 100

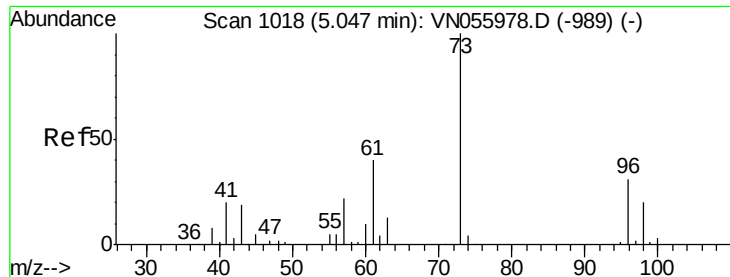
74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

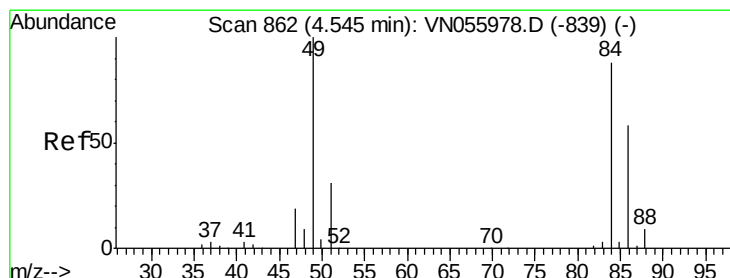
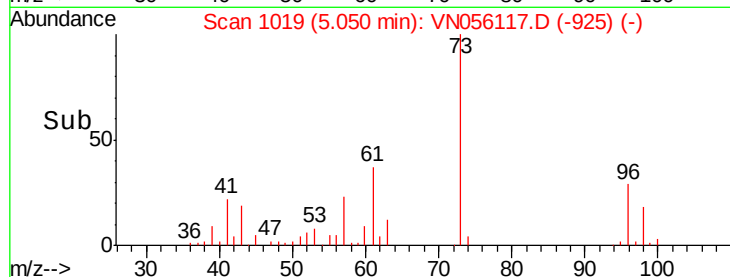
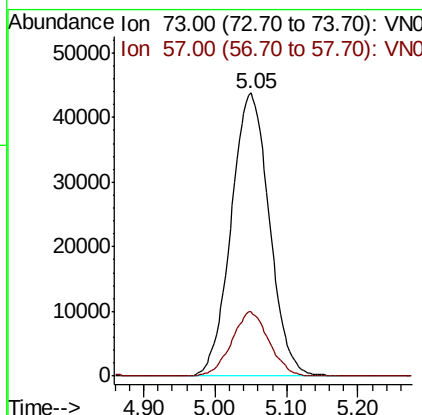
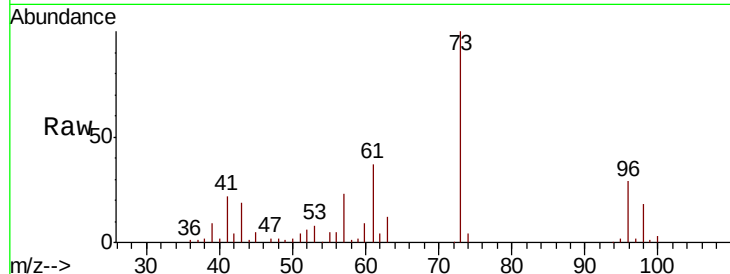




#19
Methyl tert-butyl Ether
Concen: 20.877 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

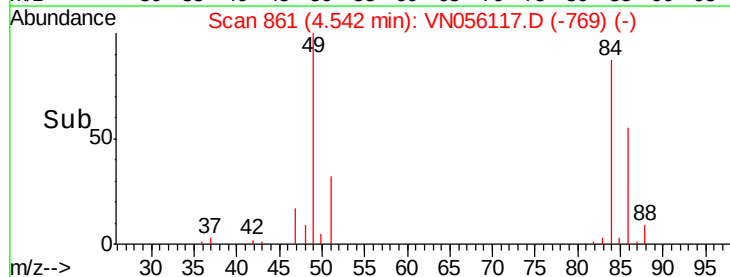
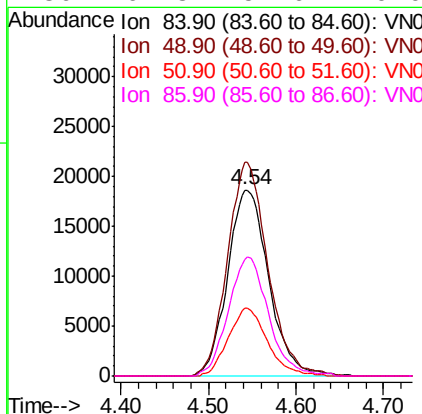
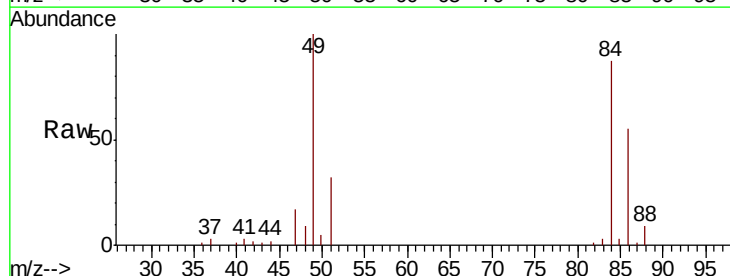
Instrument :
MSVOA_N
ClientSampled :

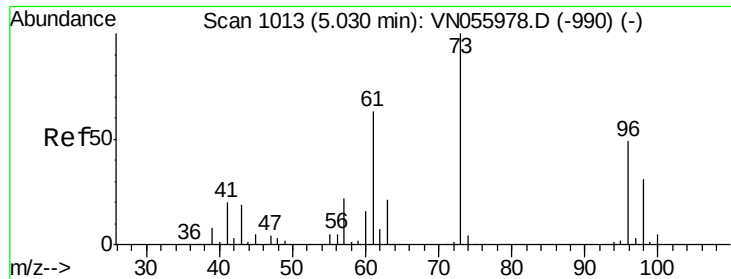
Tot Ion: 73 Resp: 162830
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 21.349 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 84 Resp: 60882
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 36.2 28.6 43.0
86 62.8 52.6 79.0

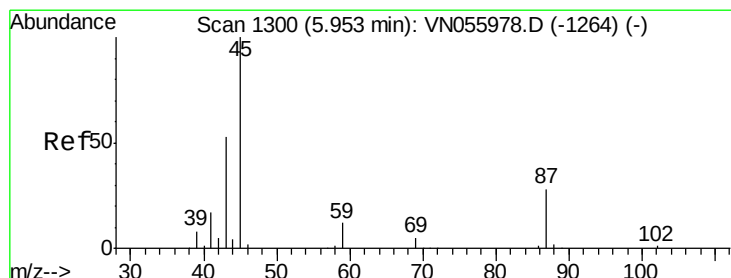
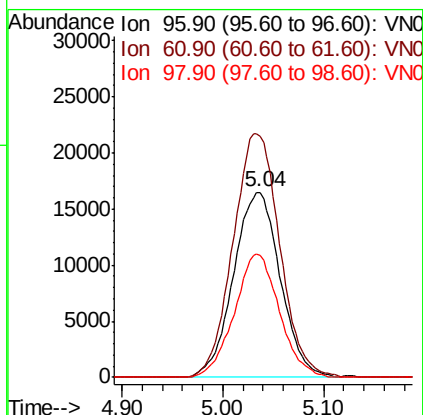
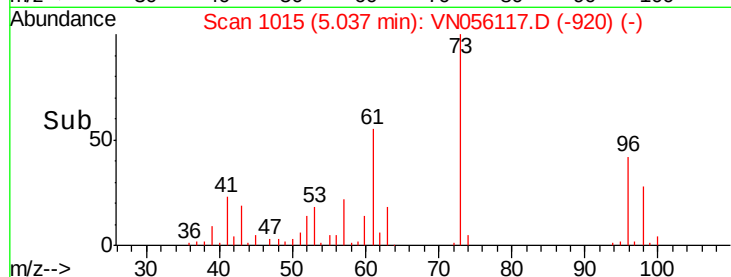
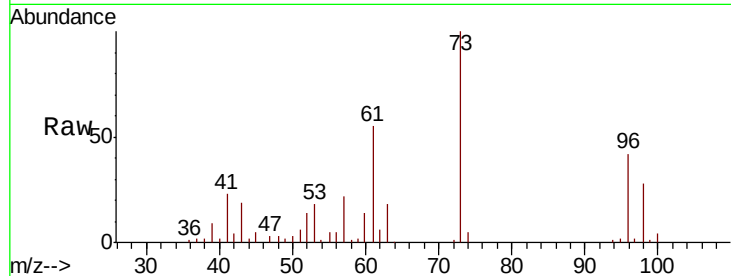




#21
trans-1,2-Dichloroethene
Concen: 20.185 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

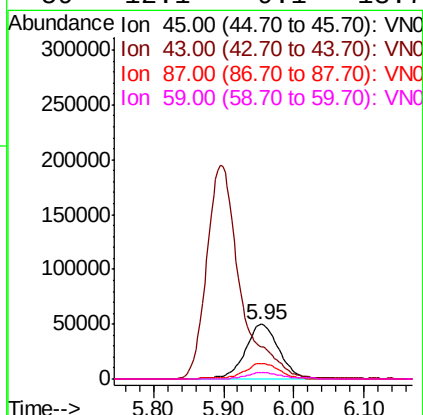
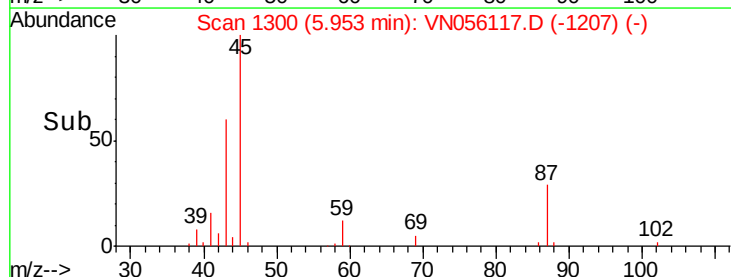
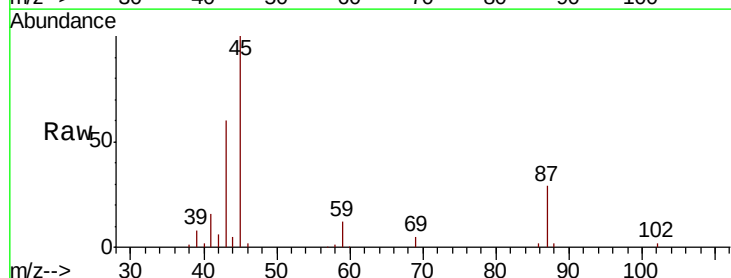
Instrument :
MSVOA_N
ClientSampled :

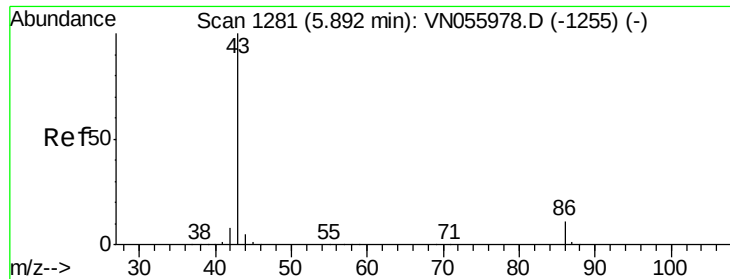
Tot Ion: 96 Resp: 52921
Ion Ratio Lower Upper
96 100
61 130.6 107.8 161.8
98 66.1 49.8 74.8



#22
Diisopropyl ether
Concen: 21.055 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 45 Resp: 168169
Ion Ratio Lower Upper
45 100
43 57.9 45.0 67.6
87 28.6 22.2 33.4
59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 103.017 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

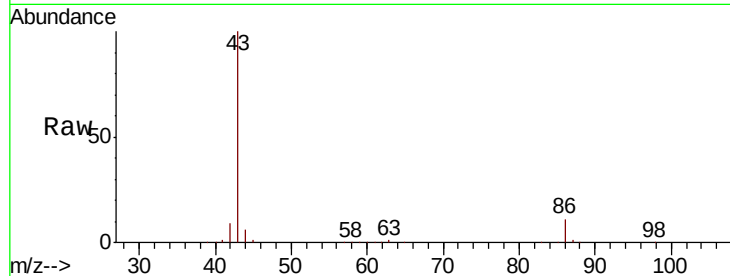
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 647957

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

200000

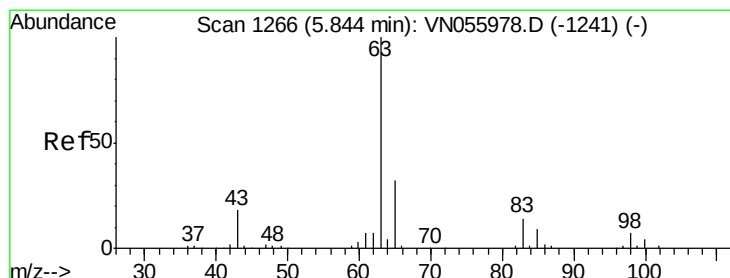
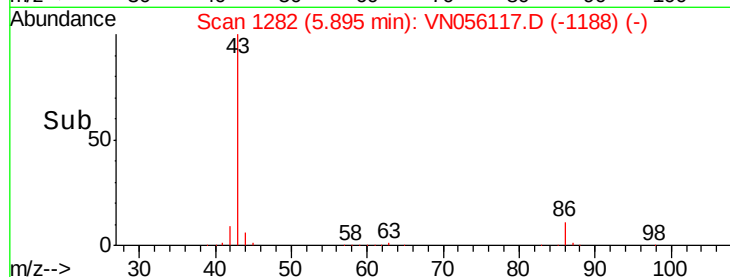
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.848 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

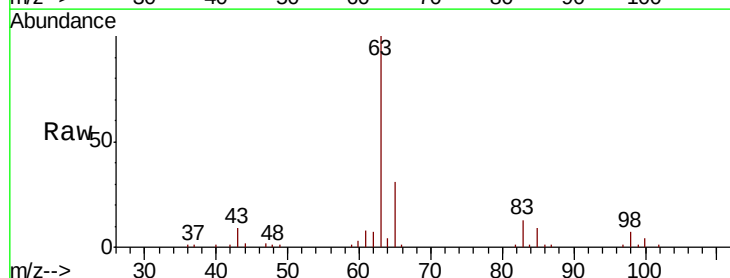
Tgt Ion: 63 Resp: 96049

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

5.84

40000

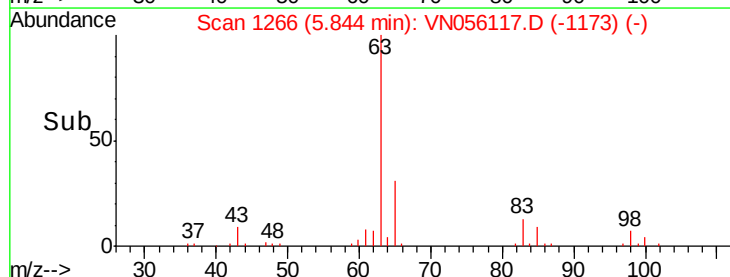
30000

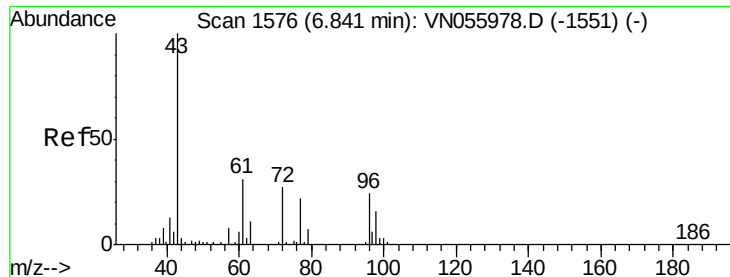
20000

10000

0

Time-->

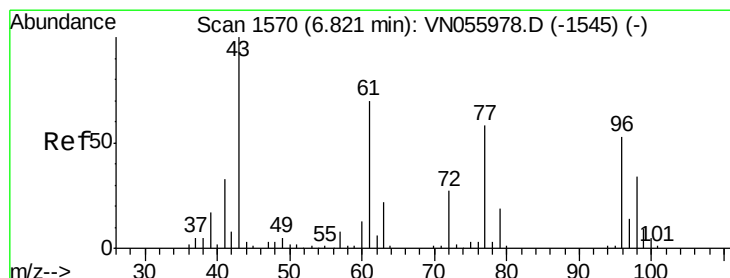
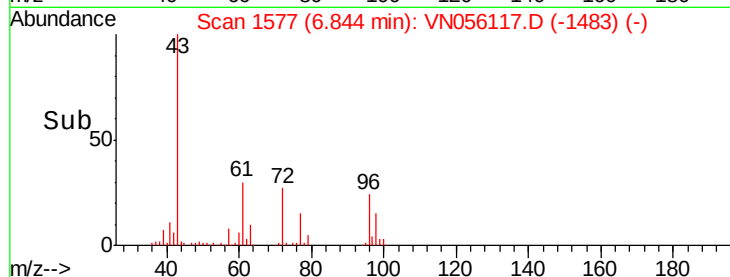
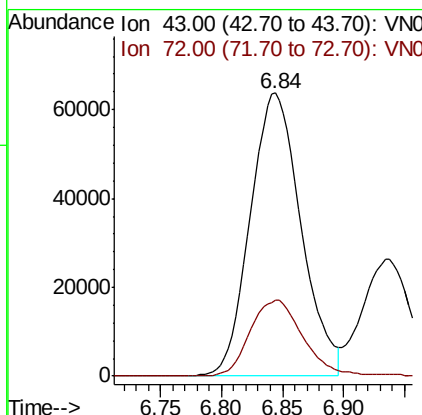
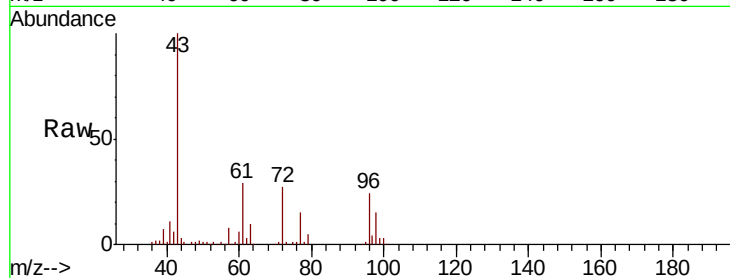




#25
2-Butanone
Concen: 104.567 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

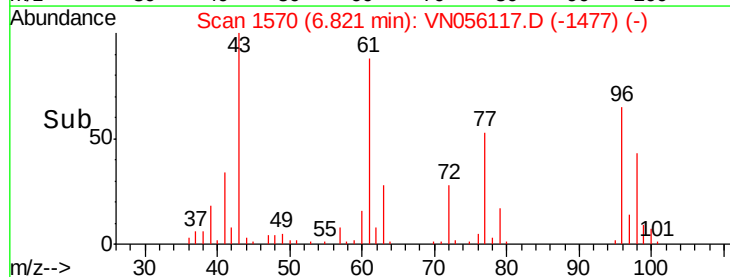
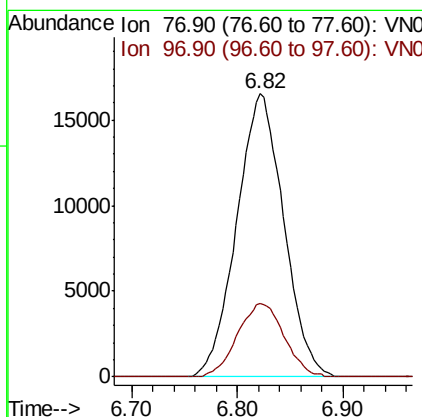
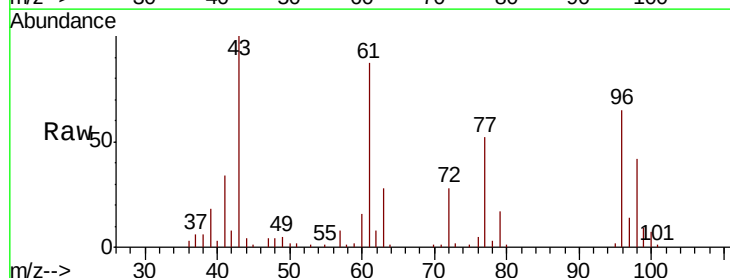
Instrument :
MSVOA_N
ClientSampleId :

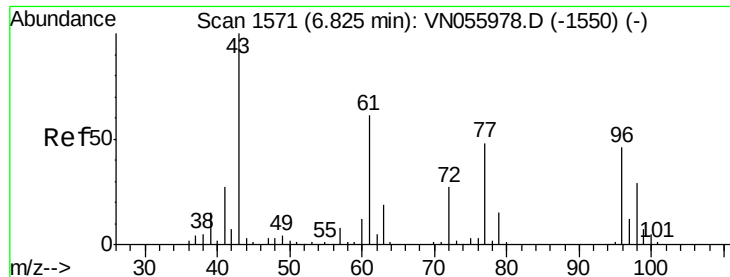
Tot Ion: 43 Resp: 182873
Ion Ratio Lower Upper
43 100
72 26.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 14.229 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 77 Resp: 51153
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.566 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

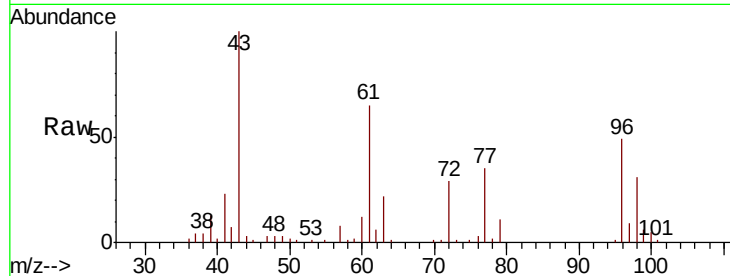
Tot Ion: 96 Resp: 63380

Ion Ratio Lower Upper

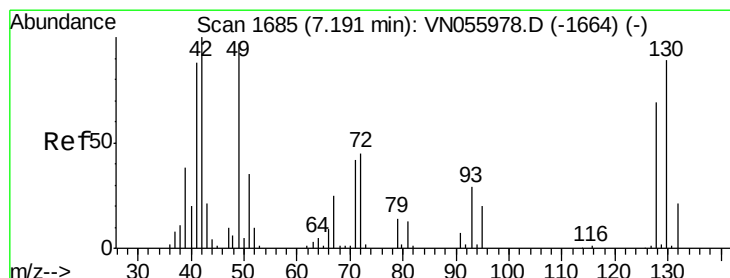
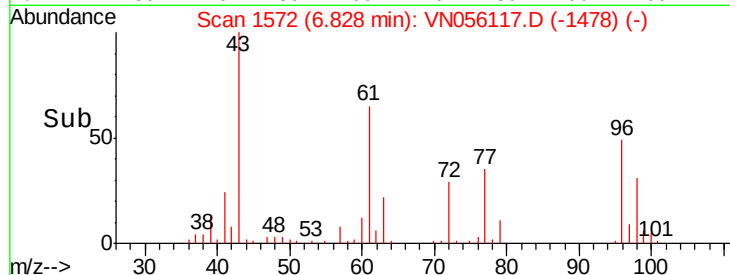
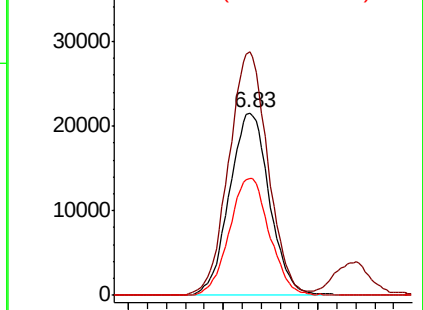
96 100

61 130.6 0.0 275.8

98 64.0 0.0 128.4



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: 21.038 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

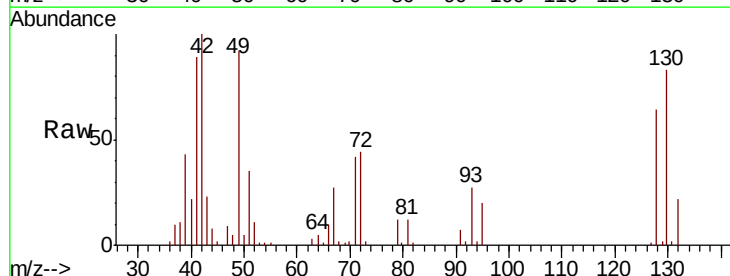
Tgt Ion: 49 Resp: 45837

Ion Ratio Lower Upper

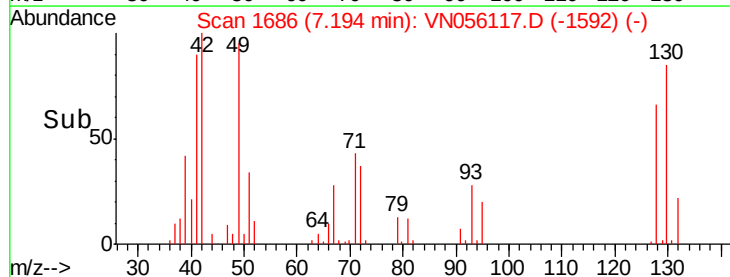
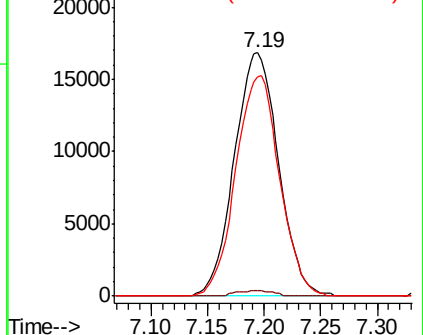
49 100

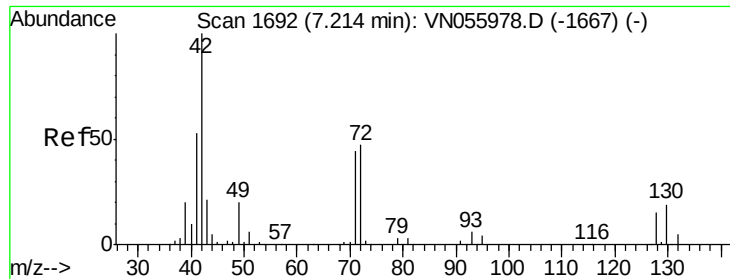
129 1.8 0.0 4.4

130 89.6 71.2 106.8



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

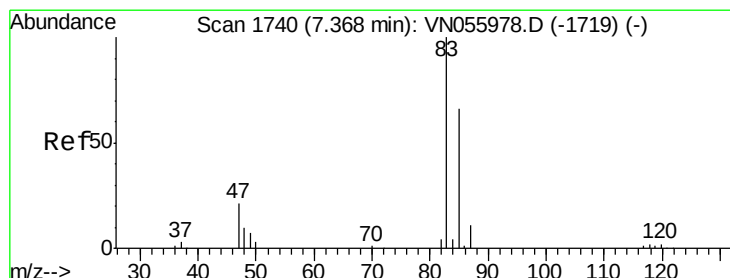
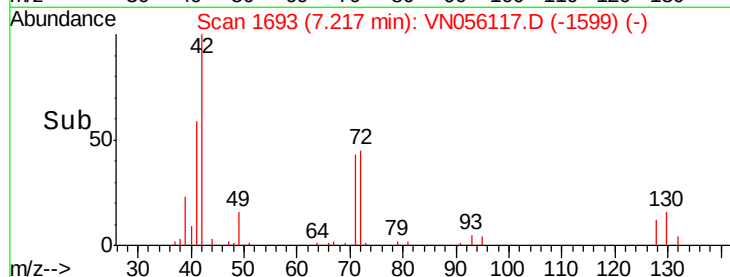
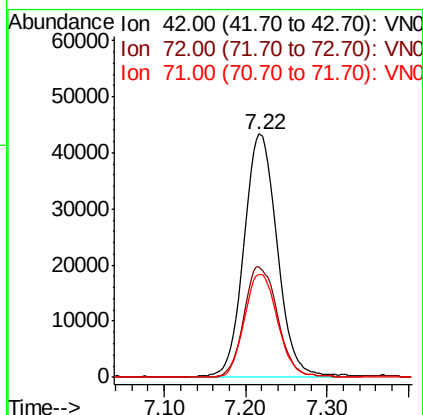
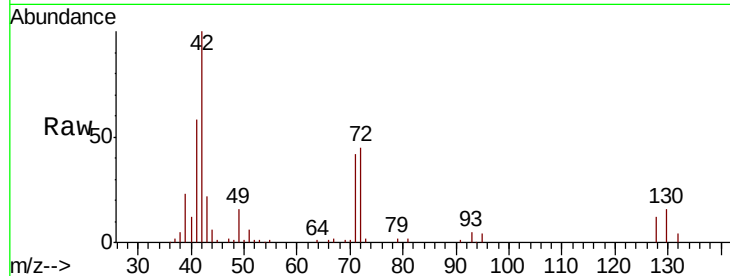




#29
Tetrahydrofuran
Concen: 113.176 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

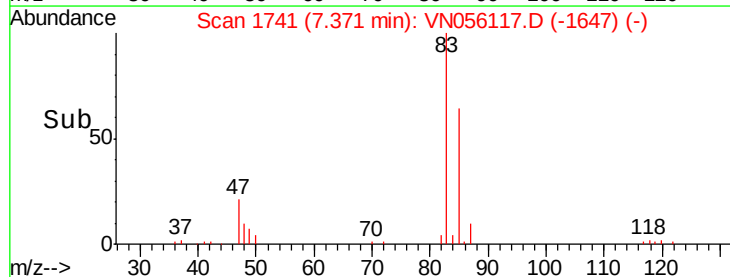
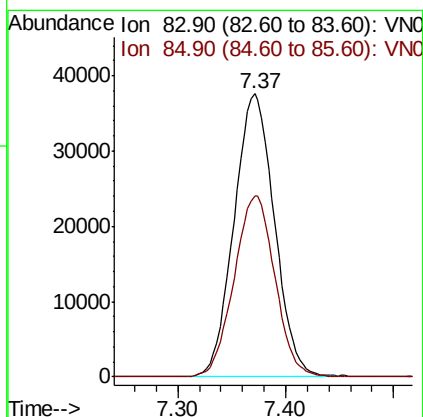
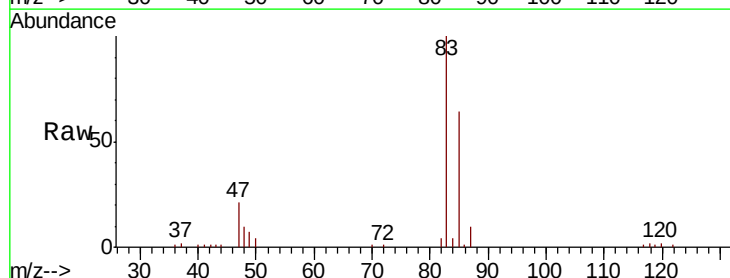
Instrument :
MSVOA_N
ClientSampled :

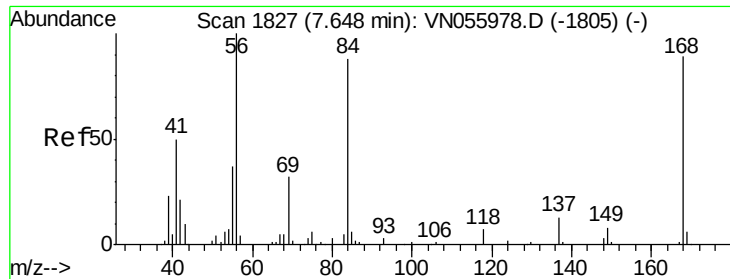
Tot Ion: 42 Resp: 122347
Ion Ratio Lower Upper
42 100
72 45.9 35.9 53.9
71 42.6 34.0 51.0



#30
Chloroform
Concen: 21.143 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 83 Resp: 97994
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.8

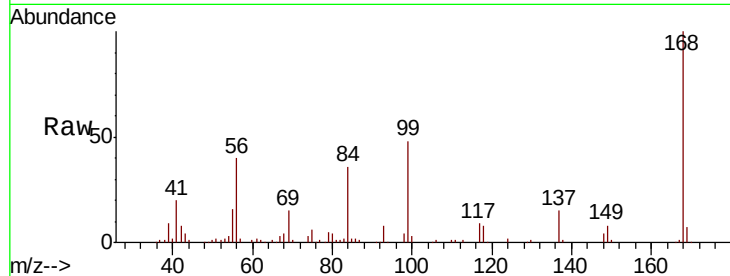




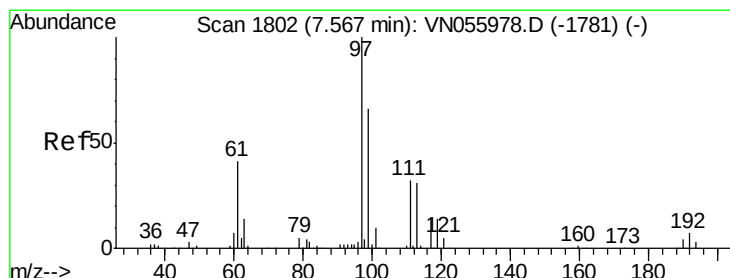
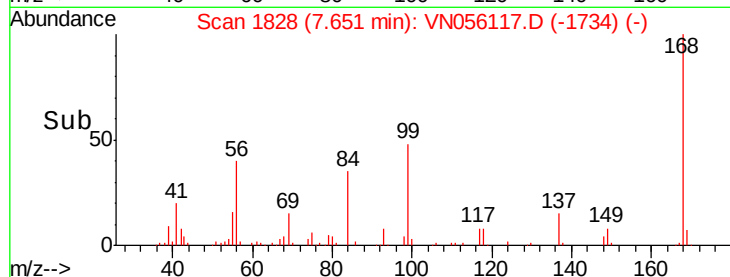
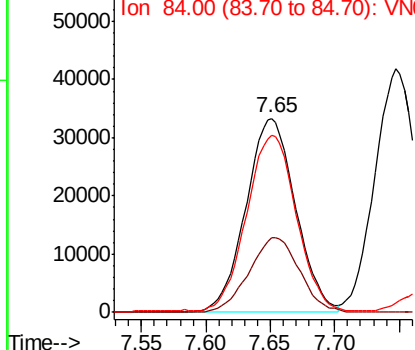
#31
Cyclohexane
Concen: 19.465 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 89392
Ion Ratio Lower Upper
56 100
69 38.1 25.6 38.4
84 89.7 67.4 101.0

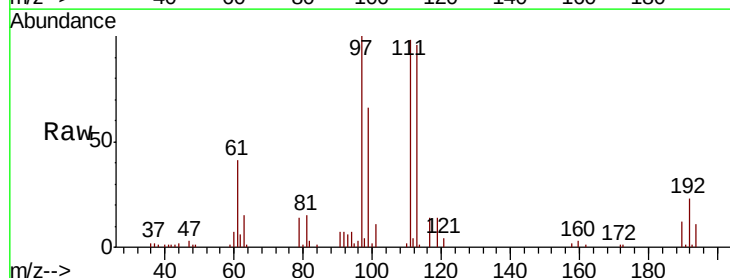


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

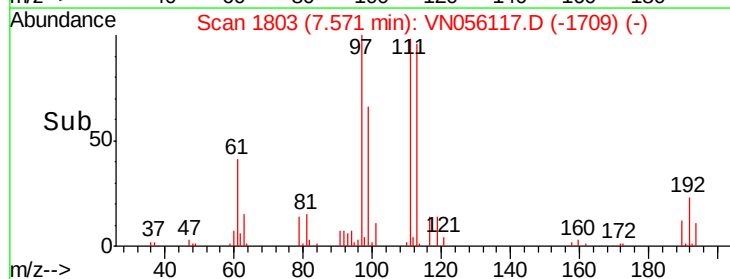
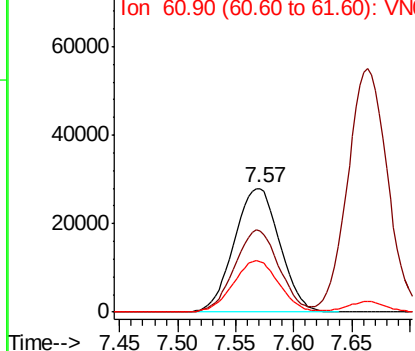


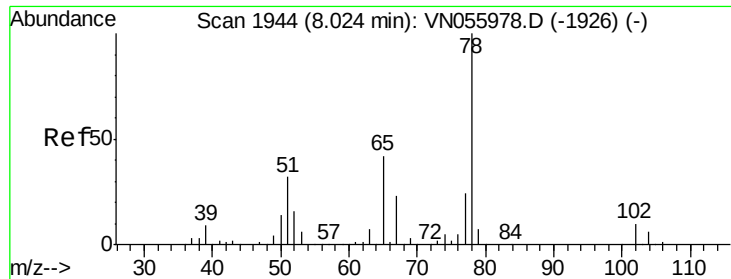
#32
1,1,1-Trichloroethane
Concen: 19.770 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 97 Resp: 76514
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 41.5 32.9 49.3



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

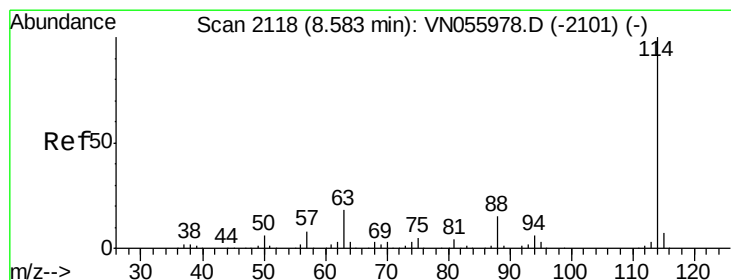
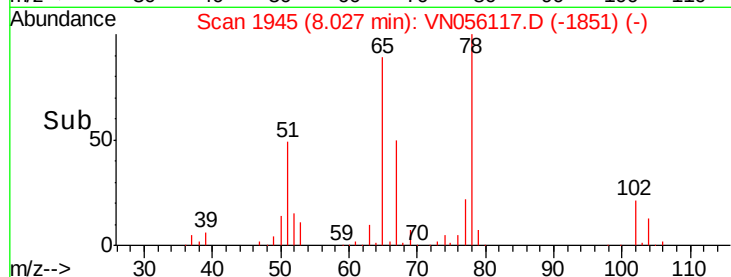
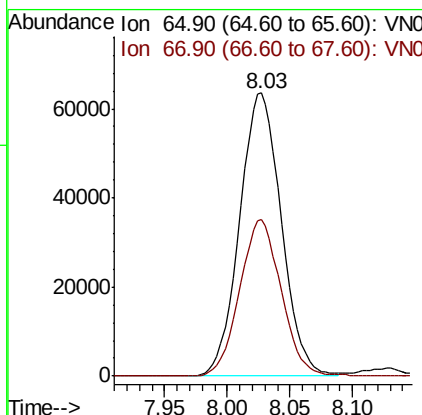
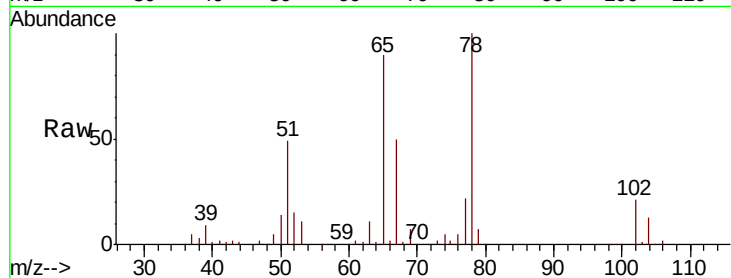




#33
 1,2-Dichloroethane-d4
 Concen: 50.688 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

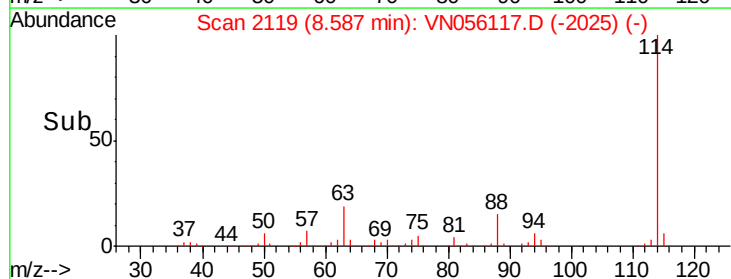
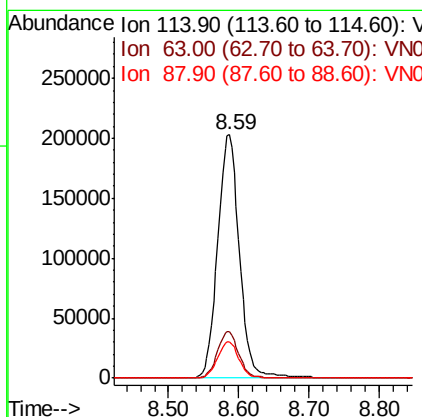
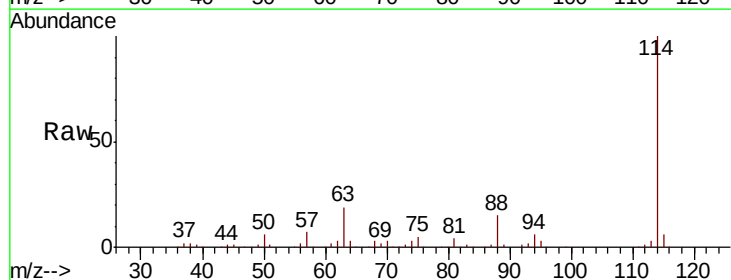
Instrument :
 MSVOA_N
 ClientSampled :

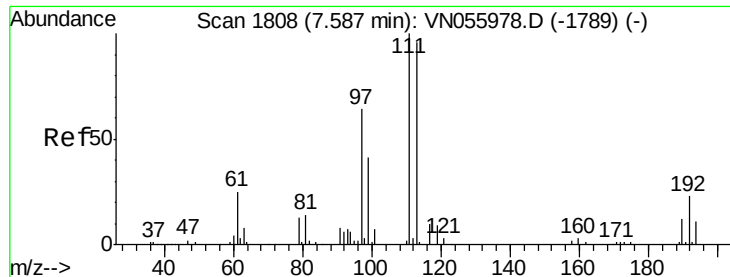
Tot Ion: 65 Resp: 146698
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 114 Resp: 436968
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.8 0.0 31.0

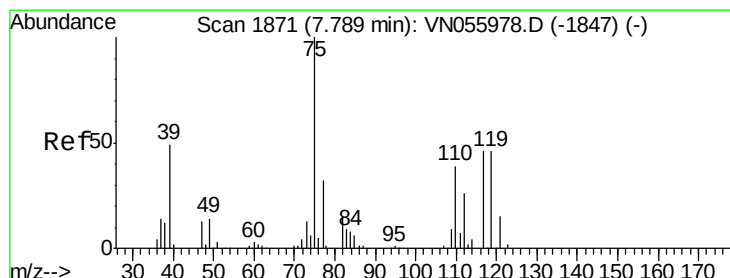
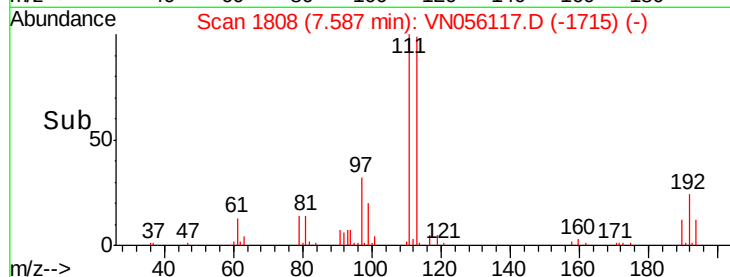
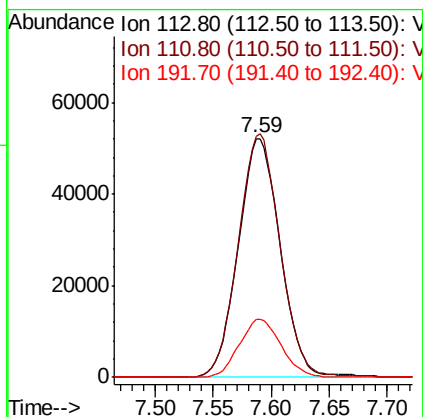
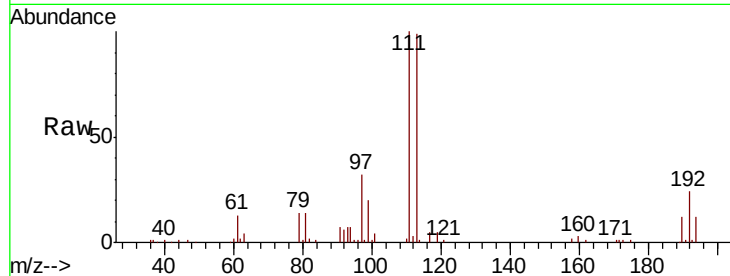




#35
 Dibromofluoromethane
 Concen: 48.898 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

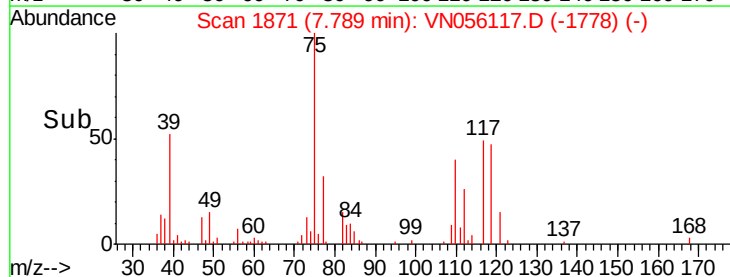
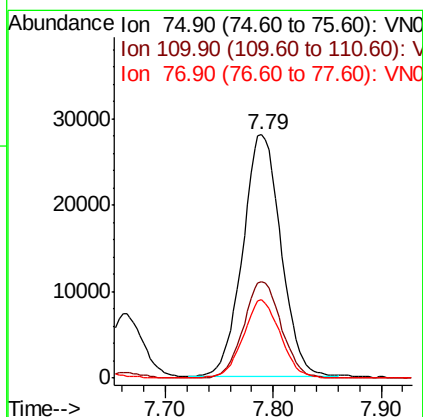
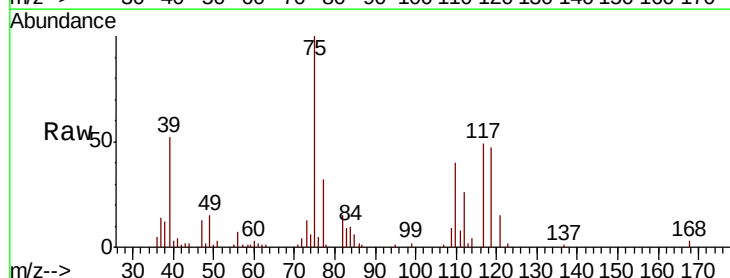
Instrument :
 MSVOA_N
 ClientSampleId :

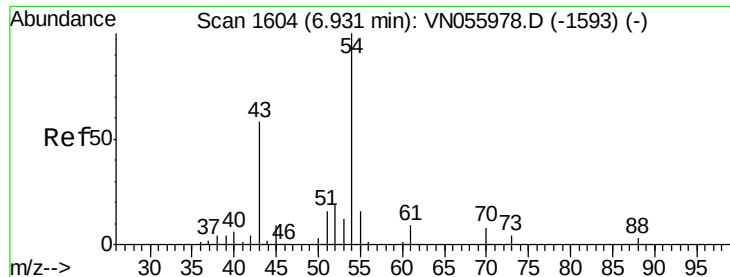
Tot Ion:113 Resp: 131093
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.9 122.9
 192 24.2 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 18.371 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 75 Resp: 69024
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.0 57.0
 77 31.1 25.1 37.7

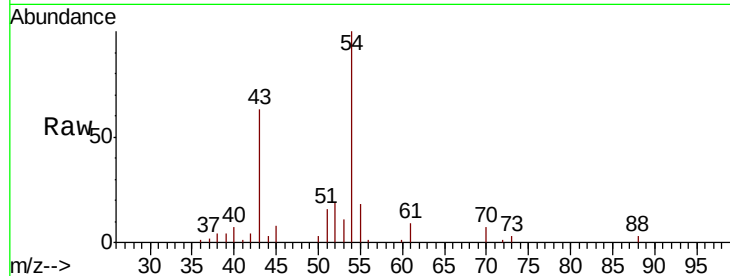




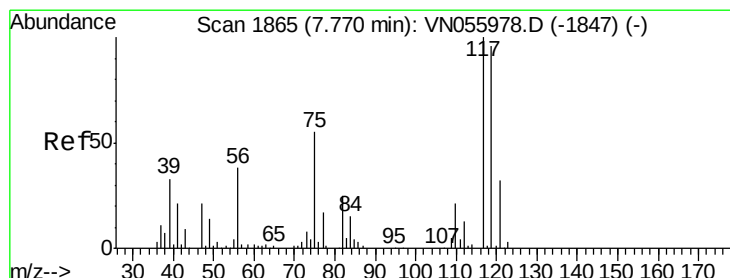
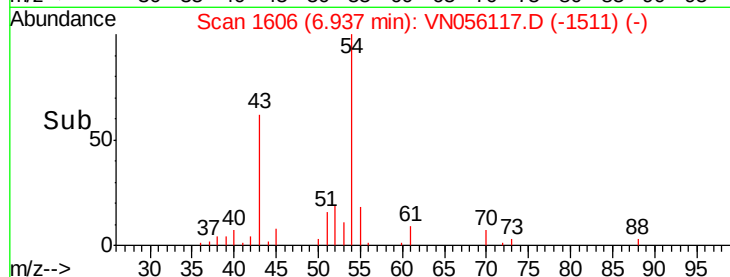
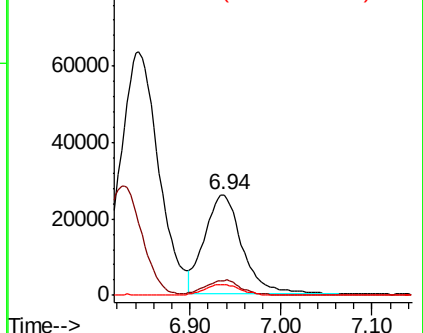
#37
Ethyl Acetate
Concen: 22.432 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 74993
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 10.3 8.9 13.3

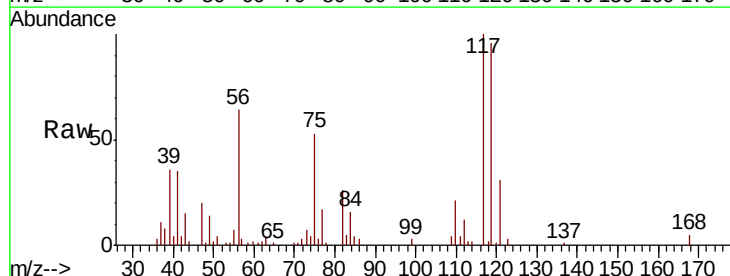


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

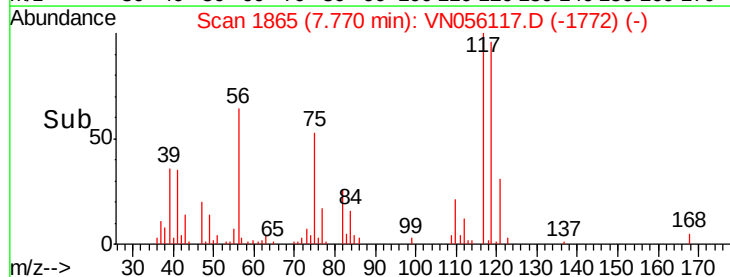
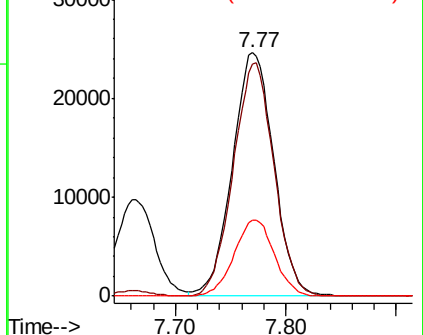


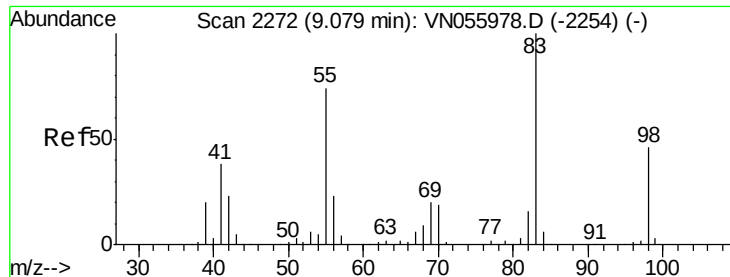
#38
Carbon Tetrachloride
Concen: 18.491 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 117 Resp: 64053
Ion Ratio Lower Upper
117 100
119 95.5 79.0 118.6
121 31.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

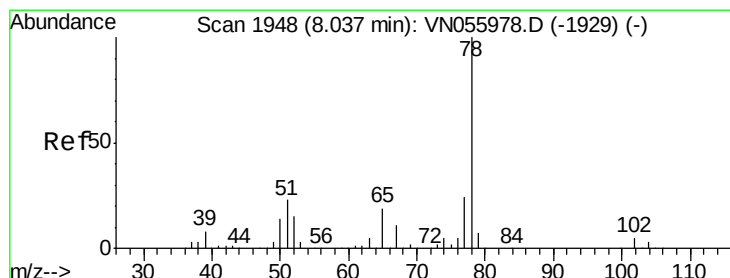
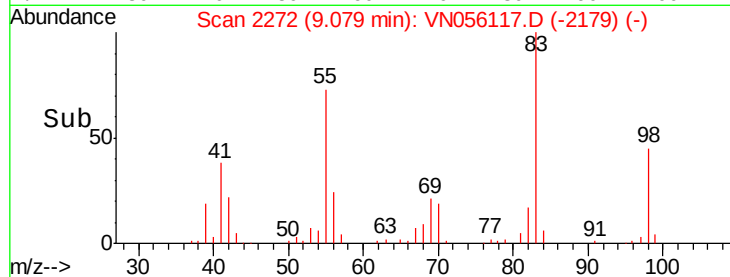
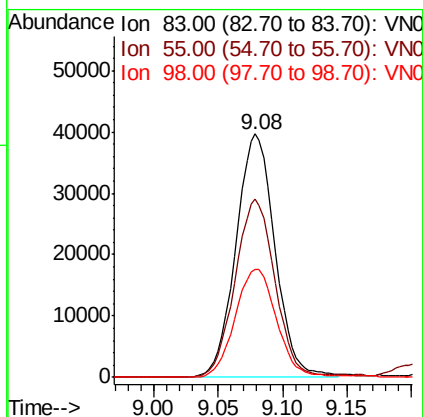
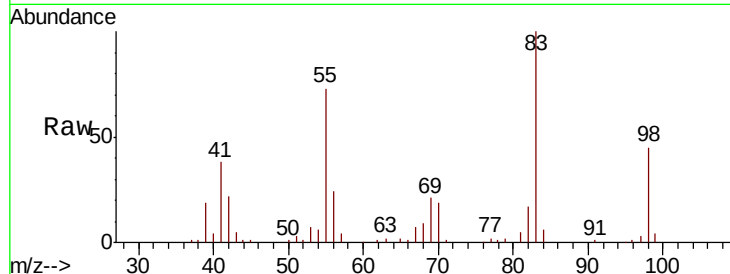




#39
Methylvlcyclohexane
Concen: 17.889 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

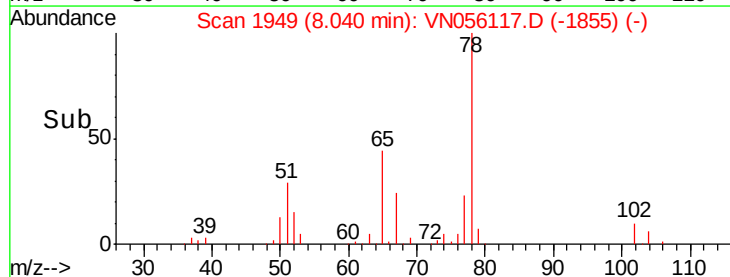
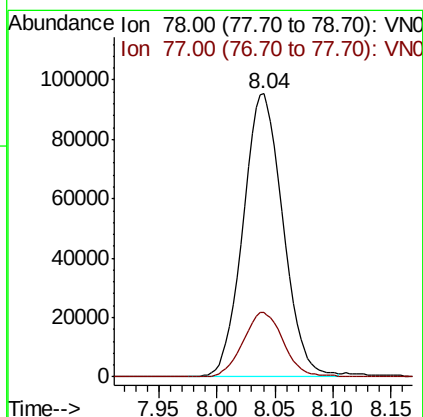
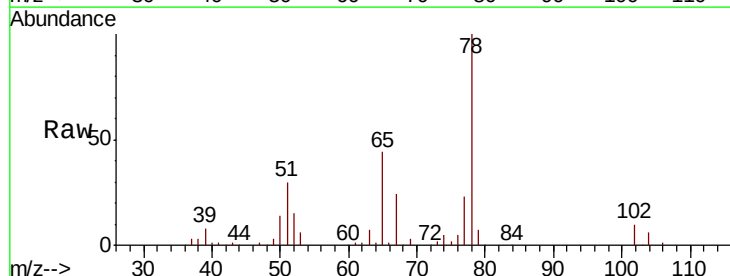
Instrument :
MSVOA_N
ClientSampled :

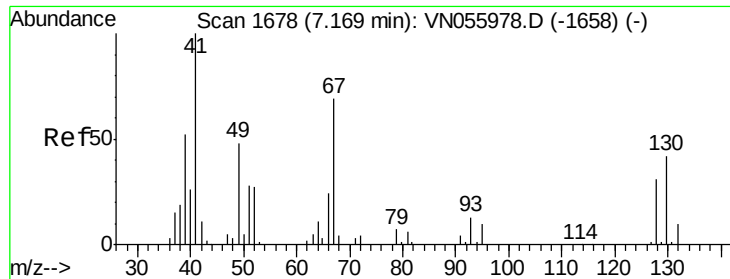
Tot Ion: 83 Resp: 83728
Ion Ratio Lower Upper
83 100
55 73.0 59.3 88.9
98 44.6 36.6 54.8



#40
Benzene
Concen: 19.987 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 78 Resp: 228083
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

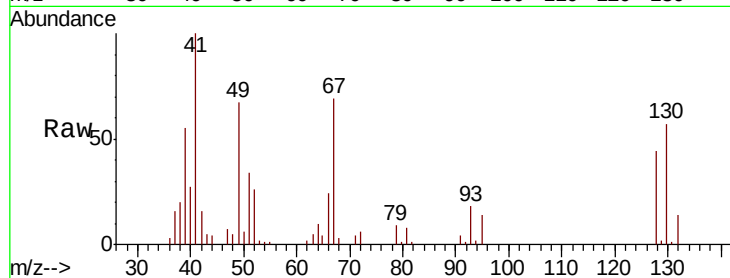




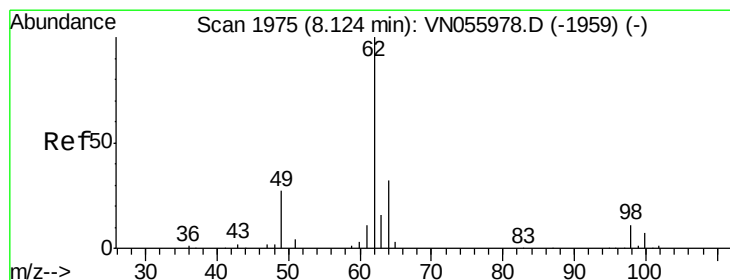
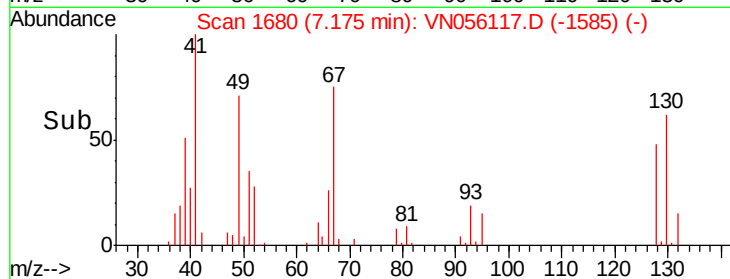
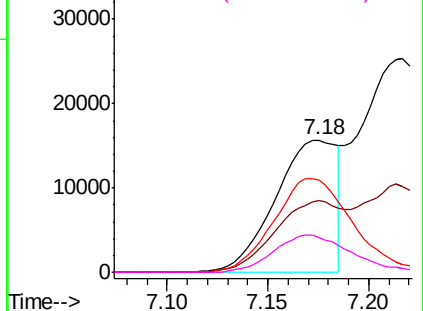
#41
Methacrylonitrile
Concen: 21.622 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 33258
Ion Ratio Lower Upper
41 100
39 58.1 45.6 68.4
67 91.4 67.7 101.5
52 36.1 26.6 40.0

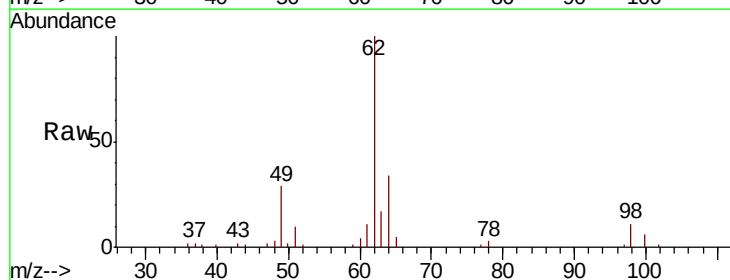


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

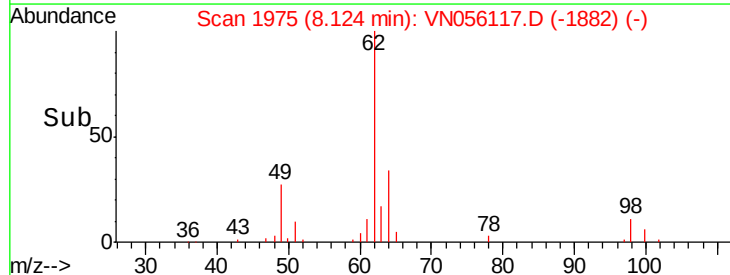
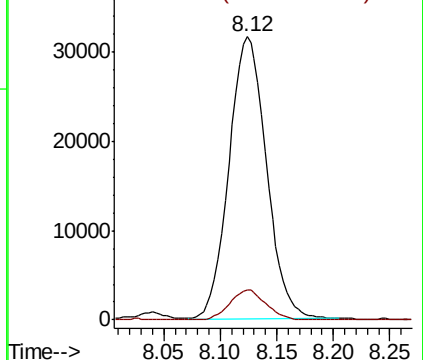


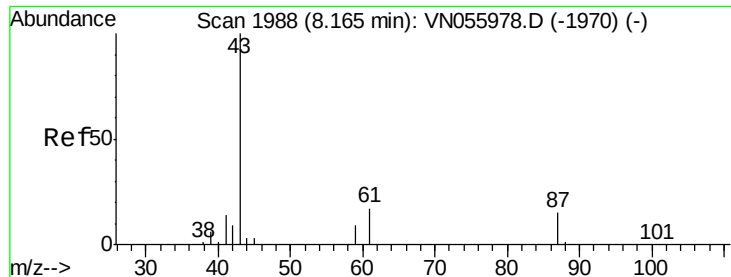
#42
1,2-Dichloroethane
Concen: 19.909 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 62 Resp: 73082
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

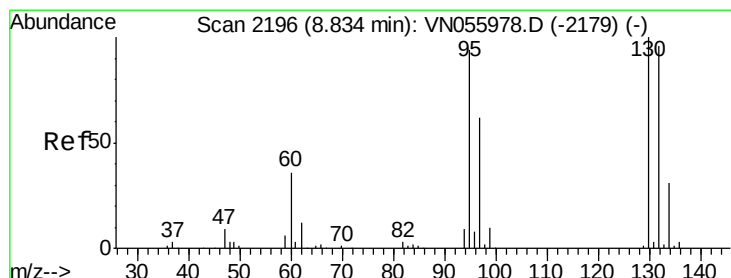
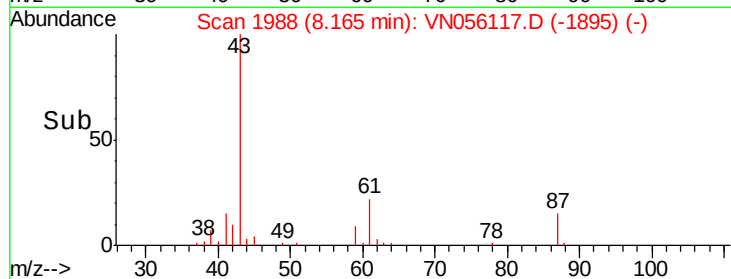
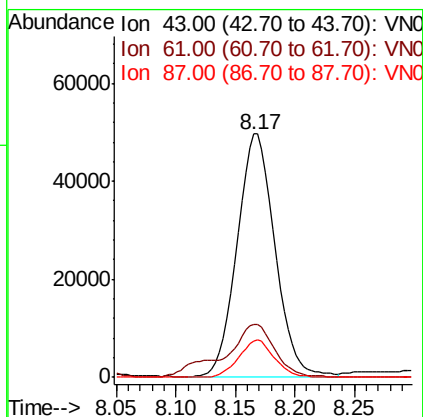
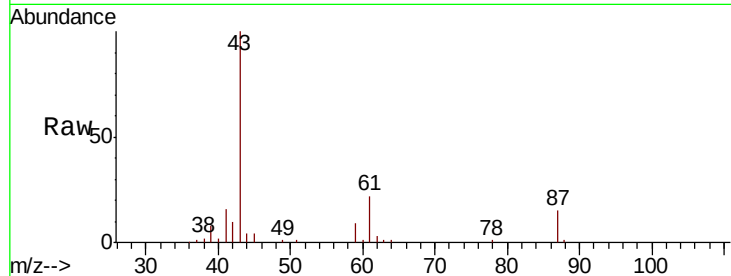




#43
Isopropyl Acetate
Concen: 20.138 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

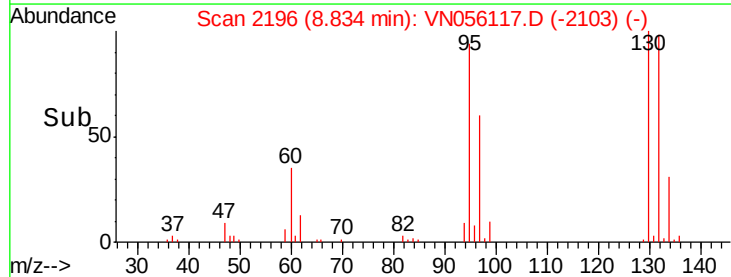
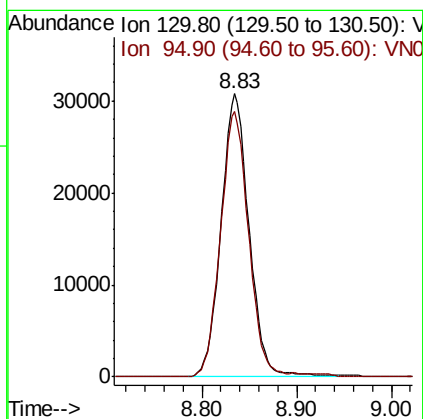
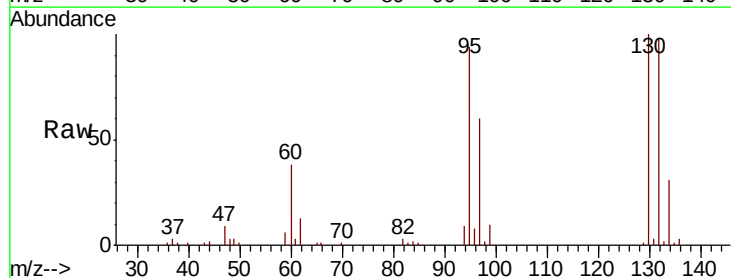
Instrument :
MSVOA_N
ClientSampleId :

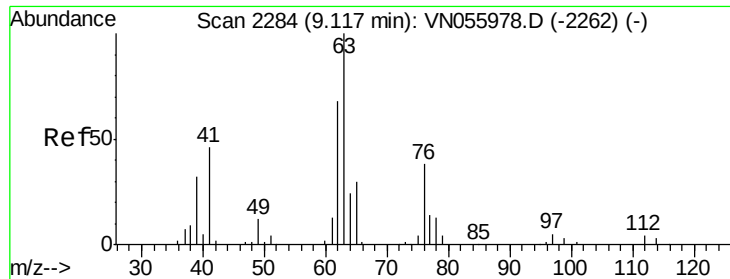
Tot Ion: 43 Resp: 109096
Ion Ratio Lower Upper
43 100
61 22.8 22.2 33.4
87 14.4 11.4 17.2



#44
Trichloroethene
Concen: 19.281 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:130 Resp: 63226
Ion Ratio Lower Upper
130 100
95 93.7 0.0 188.0

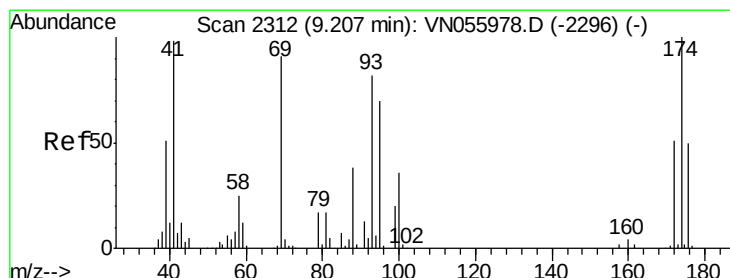
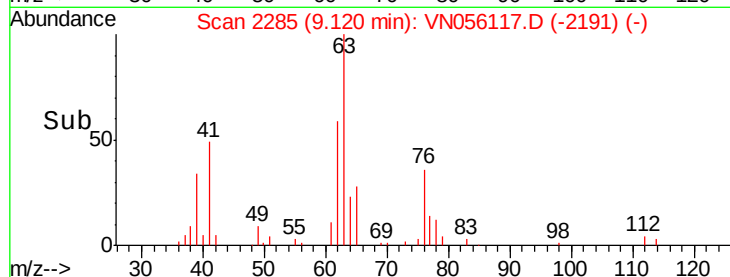
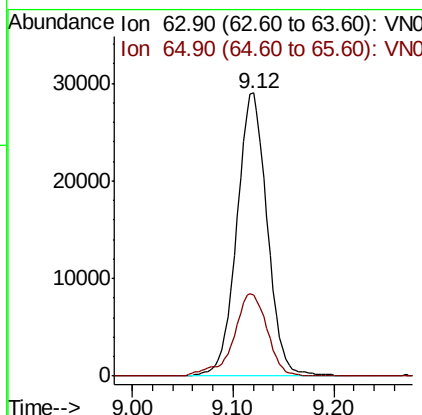
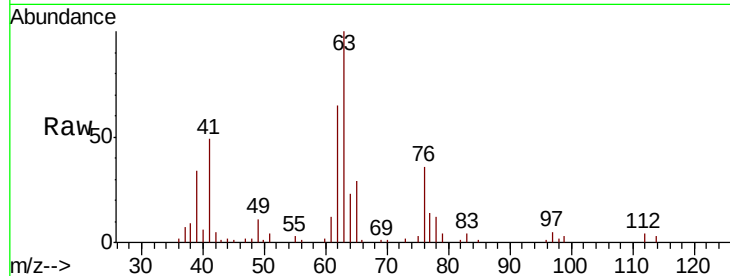




#45
 1,2-Dichloropropane
 Concen: 20.692 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

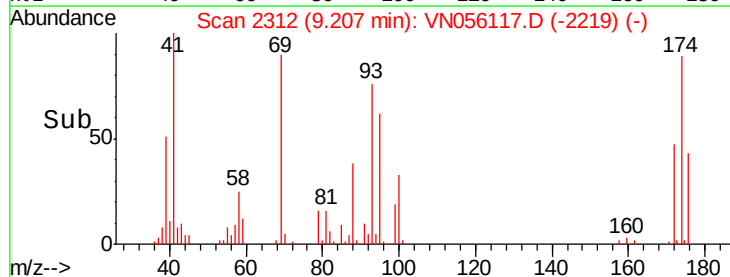
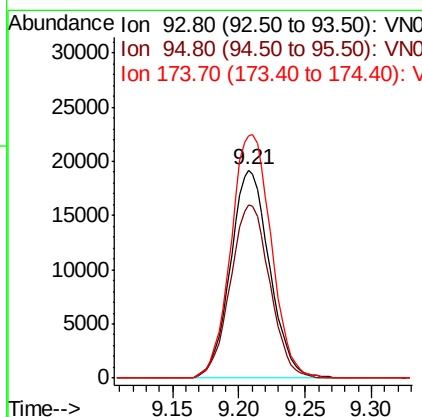
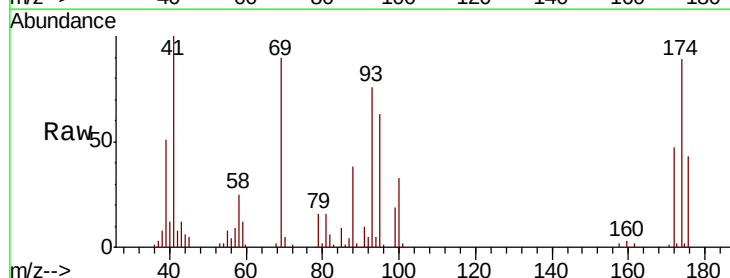
Instrument :
 MSVOA_N
 ClientSampled :

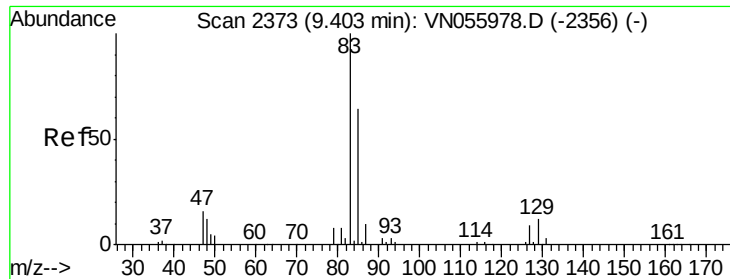
Tot Ion: 63 Resp: 60484
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 36.8



#46
 Dibromomethane
 Concen: 20.529 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 93 Resp: 39240
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 120.7 96.4 144.6





#47

Bromodichloromethane

Concen: 18.882 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

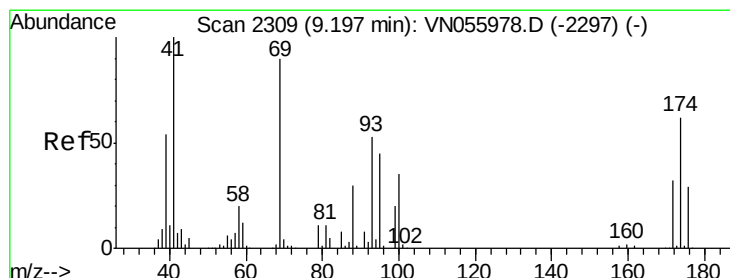
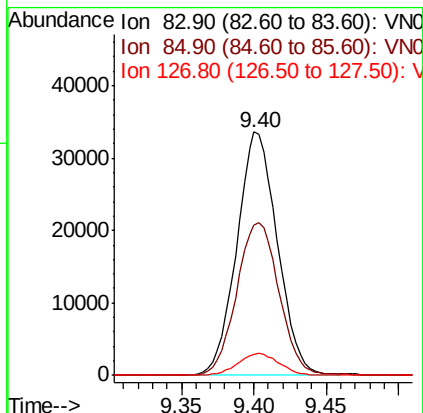
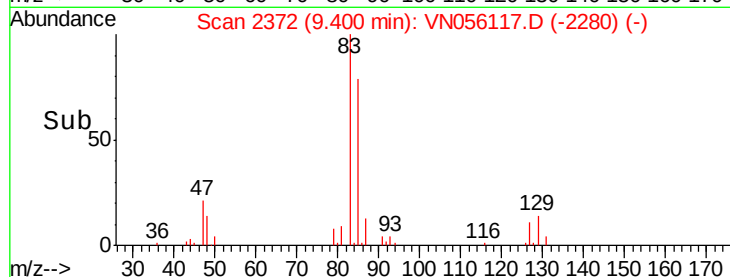
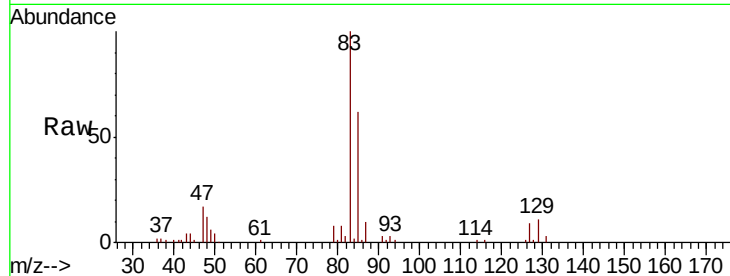
Tot Ion: 83 Resp: 65414

Ion Ratio Lower Upper

83 100

85 61.6 52.2 78.2

127 8.8 7.4 11.0



#48

Methyl methacrylate

Concen: 20.998 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

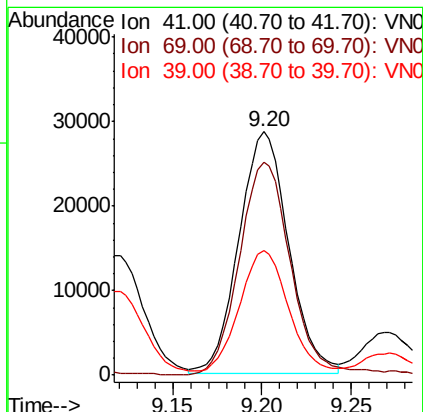
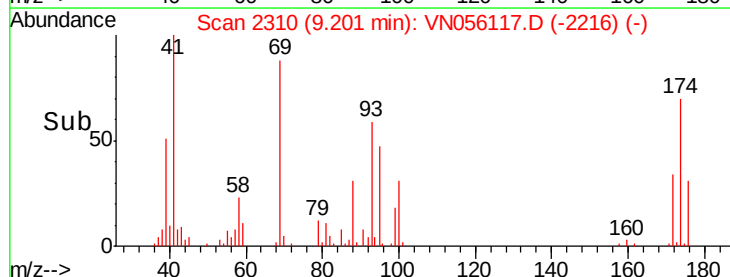
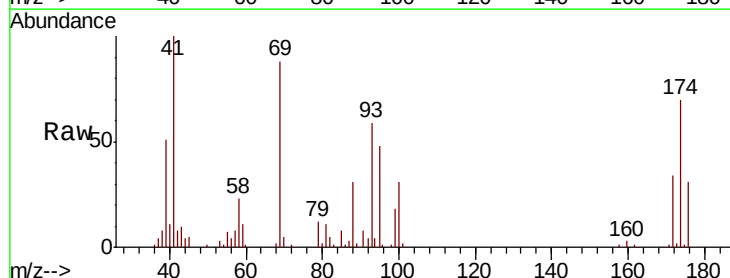
Tgt Ion: 41 Resp: 55653

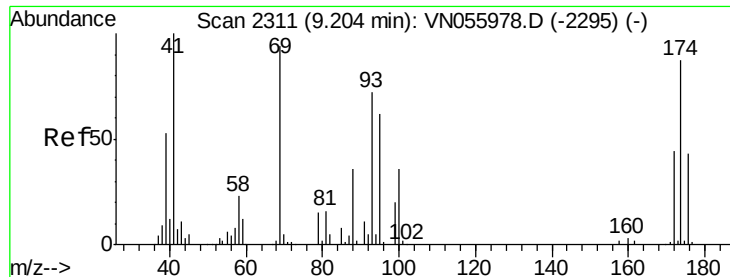
Ion Ratio Lower Upper

41 100

69 91.1 71.0 106.6

39 51.3 44.2 66.2

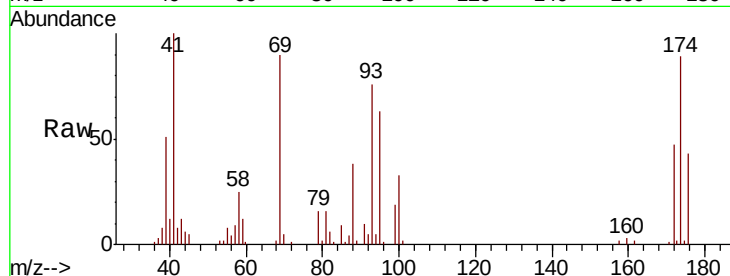




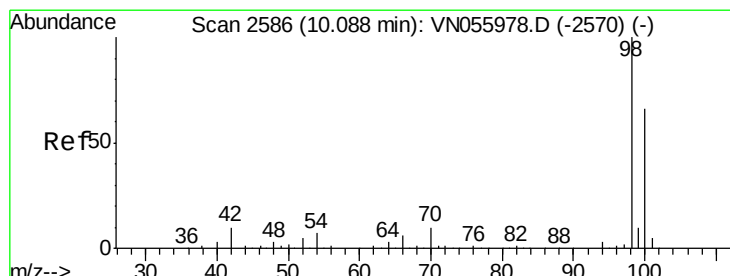
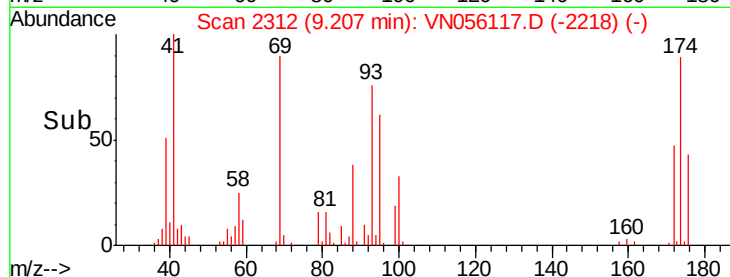
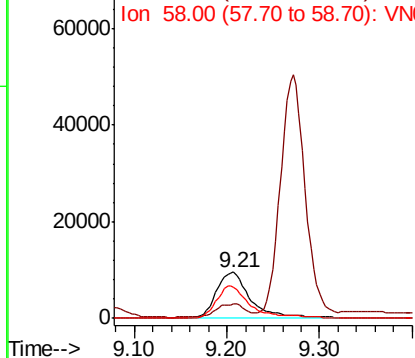
#49
1,4-Dioxane
Concen: 431.213 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 24673
Ion Ratio Lower Upper
88 100
43 23.7 20.5 30.7
58 65.5 55.8 83.6

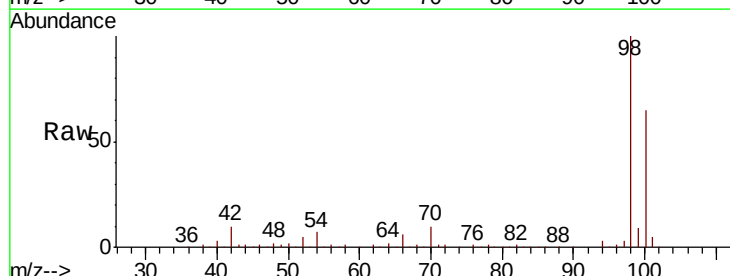


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

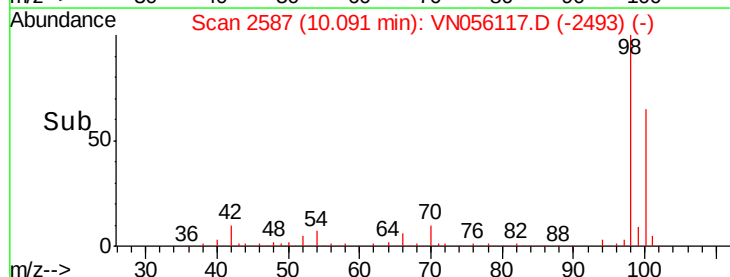
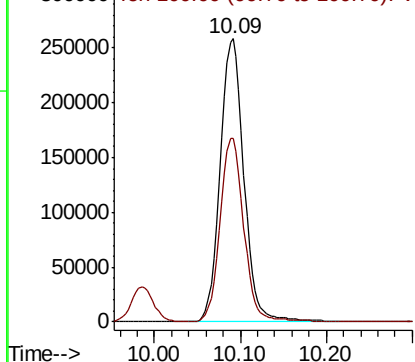


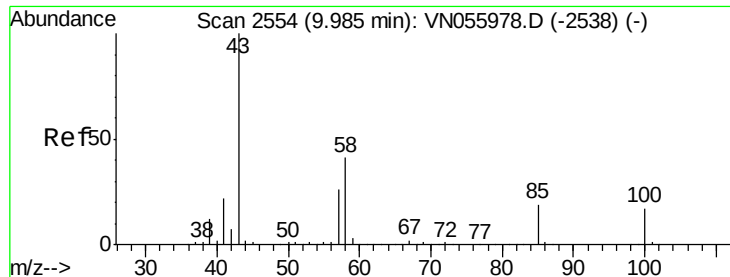
#50
Toluene-d8
Concen: 48.255 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 98 Resp: 497815
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



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: 107.607 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

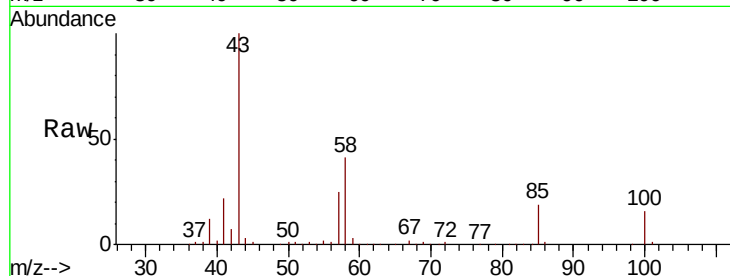
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 364548

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

200000

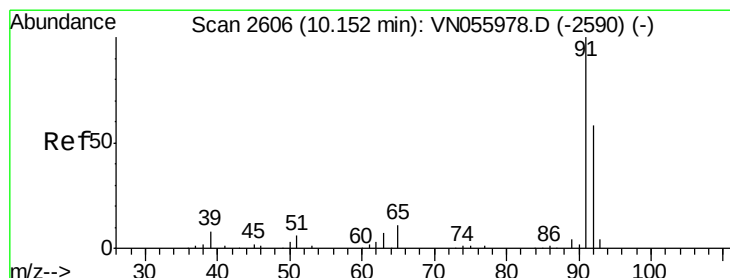
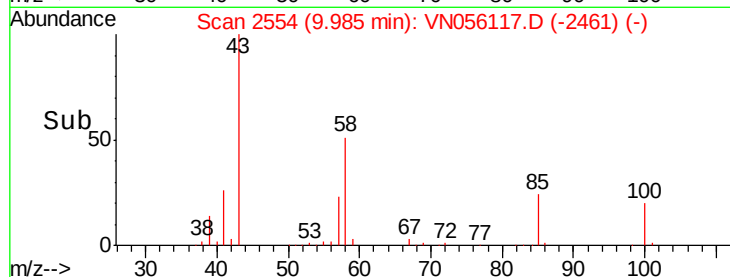
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.146 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056117.D

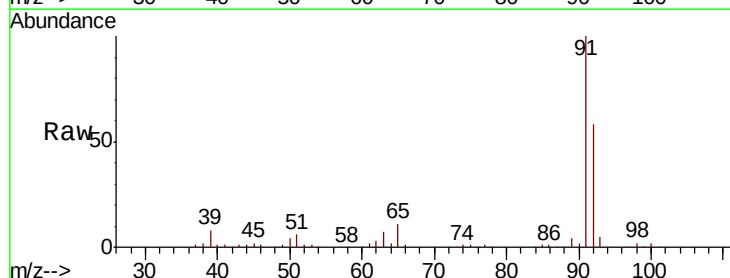
Acq: 7 Jun 2019 23:06

Tgt Ion: 92 Resp: 143057

Ion Ratio Lower Upper

92 100

91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

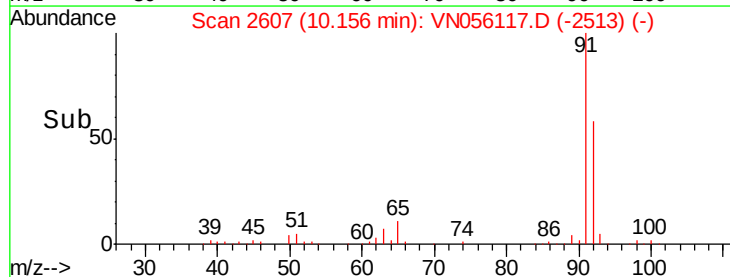
150000

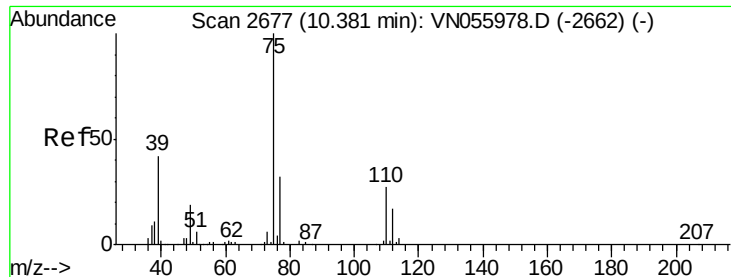
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.903 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

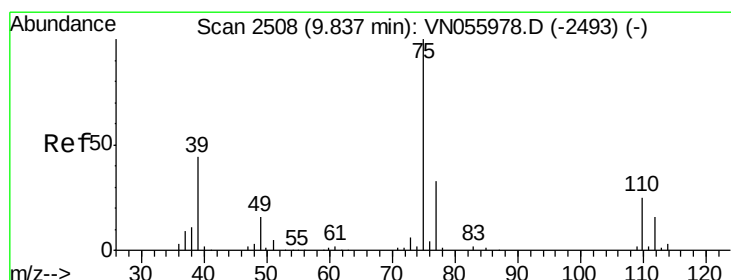
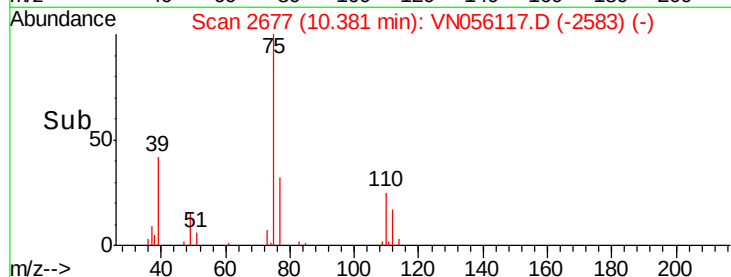
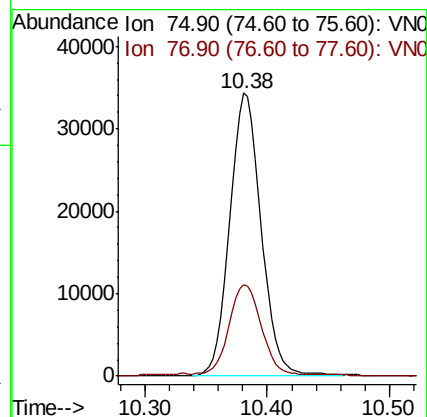
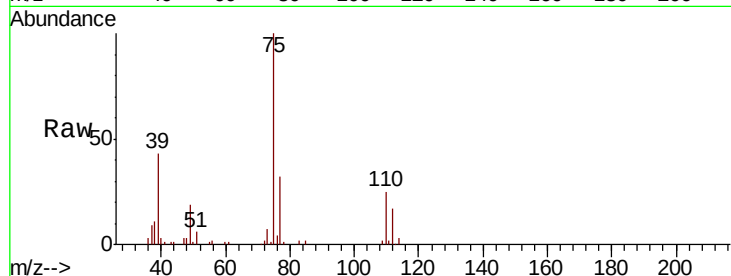
ClientSampleId :

Tot Ion: 75 Resp: 61884

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.296 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

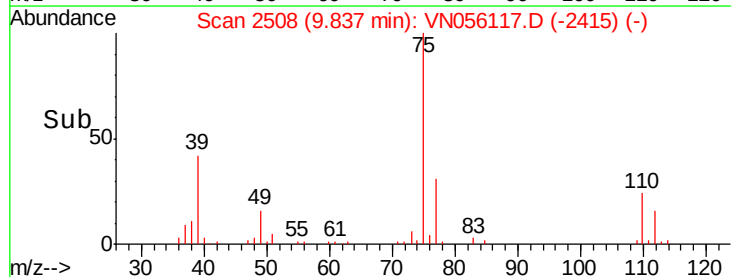
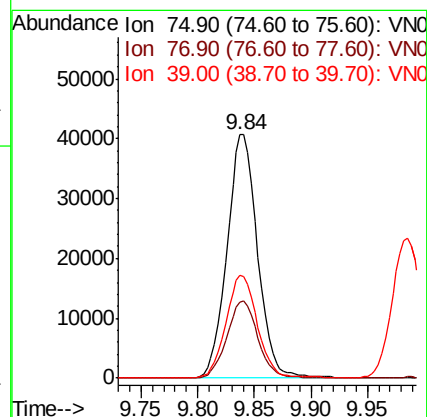
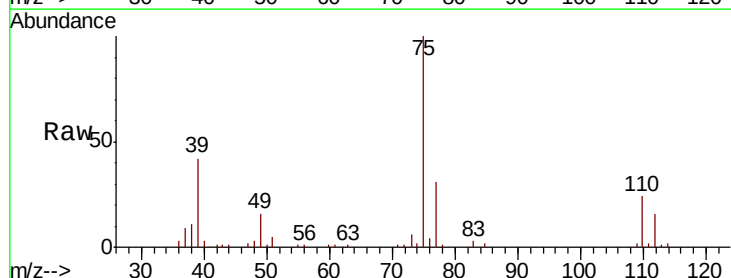
Tgt Ion: 75 Resp: 76190

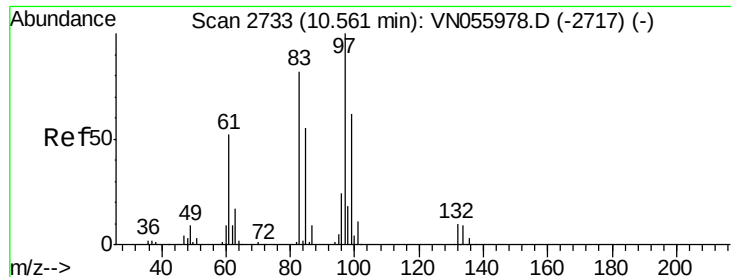
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 42.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.475 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 57593

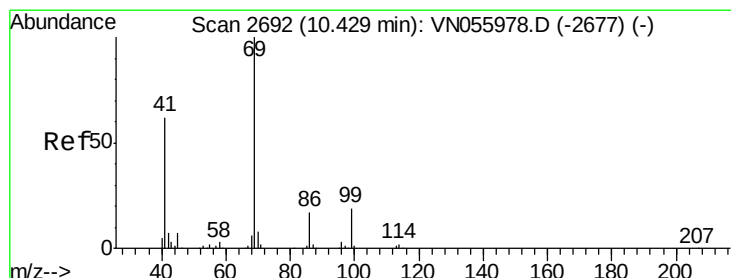
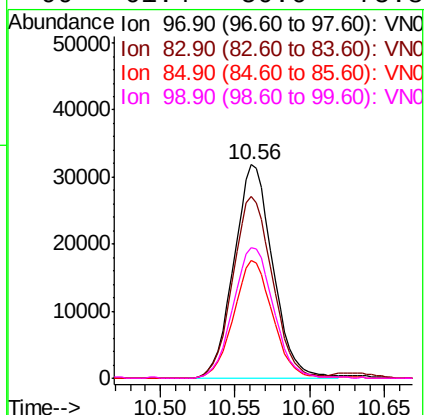
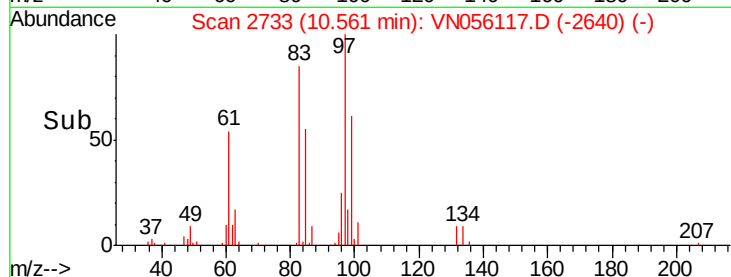
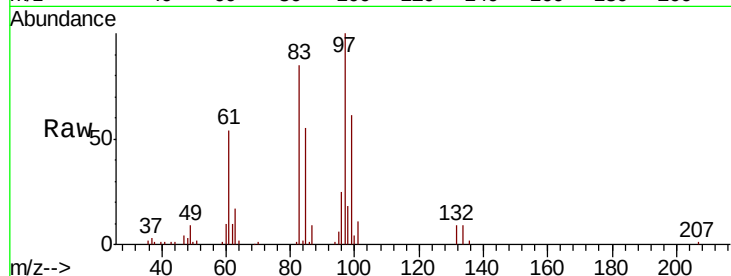
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.0	100.6
85	55.2	44.0	66.0
99	61.4	50.6	75.8

97 100

83 85.3 67.0 100.6

85 55.2 44.0 66.0

99 61.4 50.6 75.8



#56

Ethyl methacrylate

Concen: 20.228 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

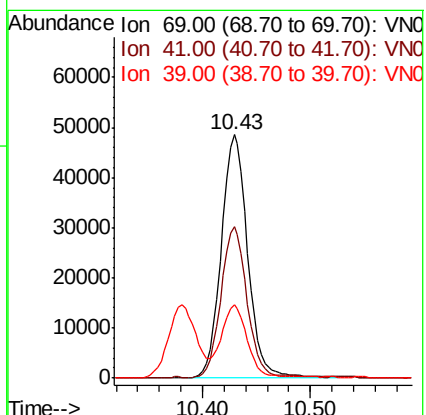
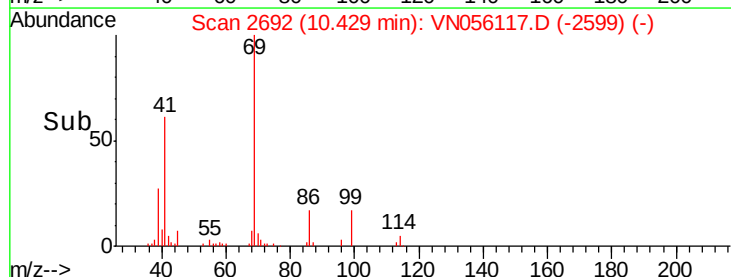
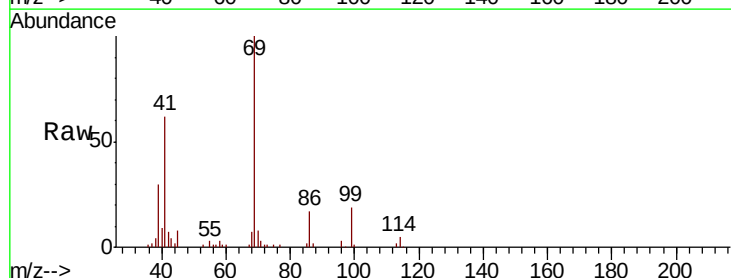
Tgt Ion: 69 Resp: 83007

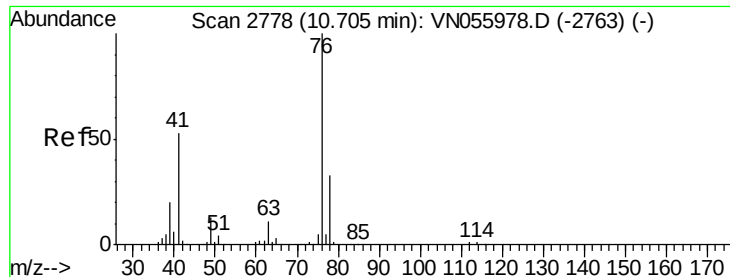
Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.7	74.5
39	29.2	24.7	37.1

69 100

41 60.2 49.7 74.5

39 29.2 24.7 37.1

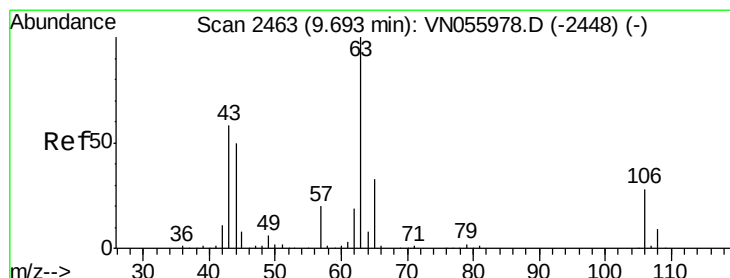
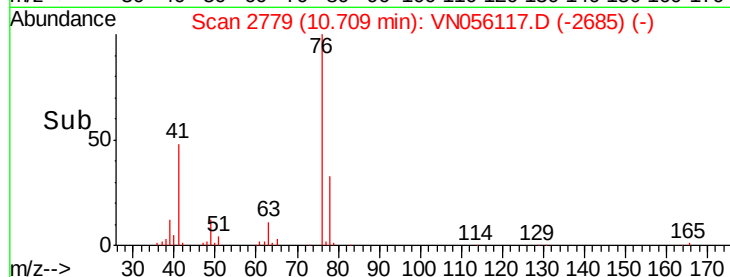
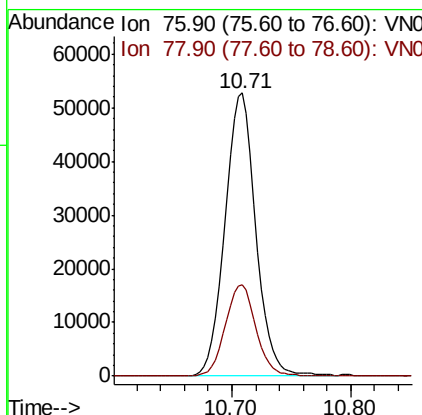
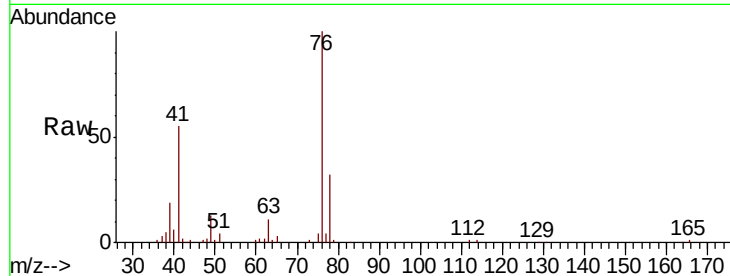




#57
 1,3-Dichloropropane
 Concen: 20.679 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

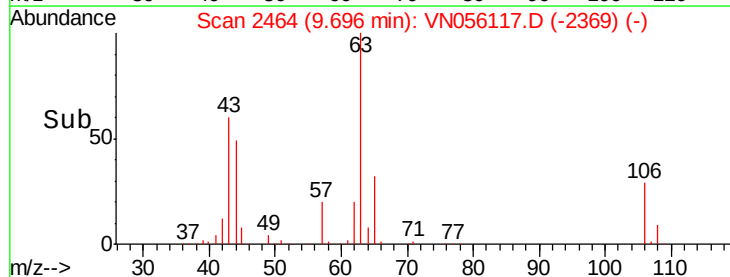
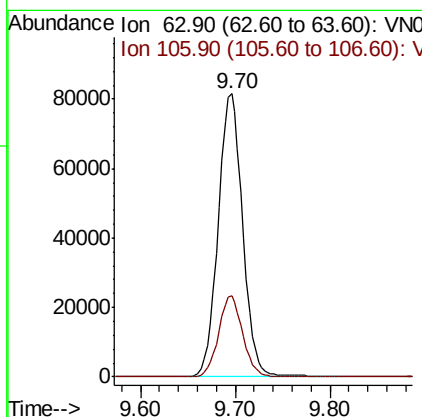
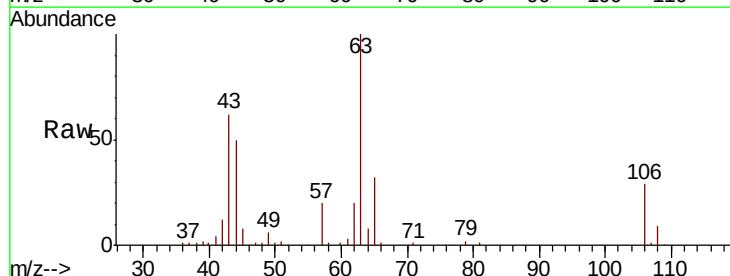
Instrument :
 MSVOA_N
 ClientSampled :

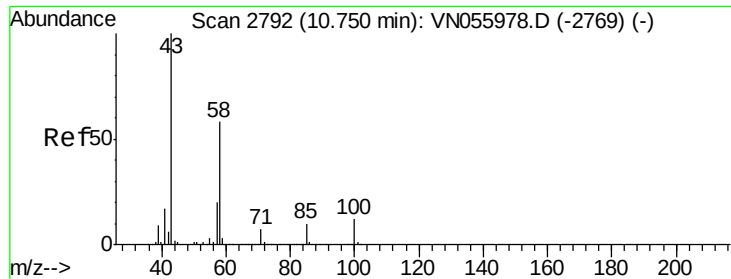
Tot Ion: 76 Resp: 94557
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.512 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 63 Resp: 146421
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1

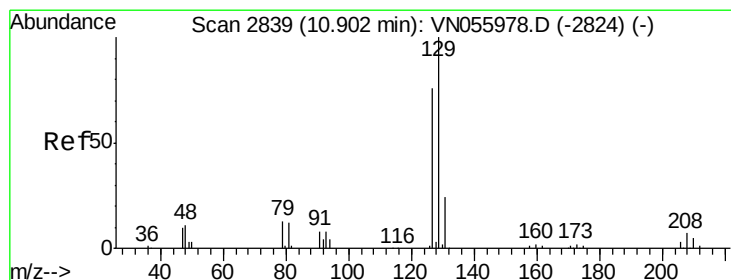
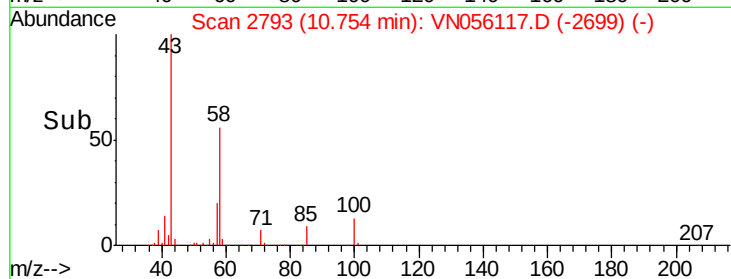
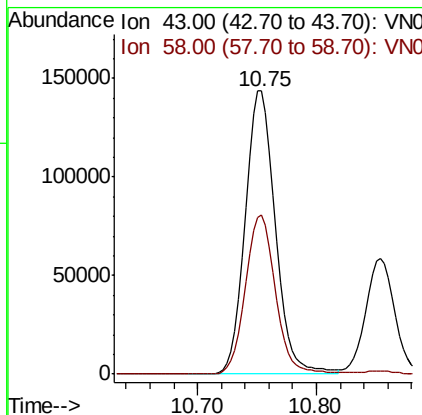
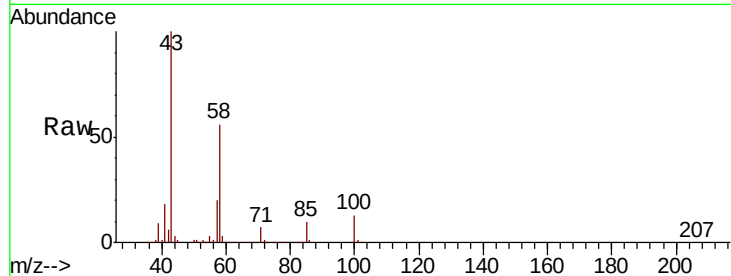




#59
2-Hexanone
Concen: 102.846 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

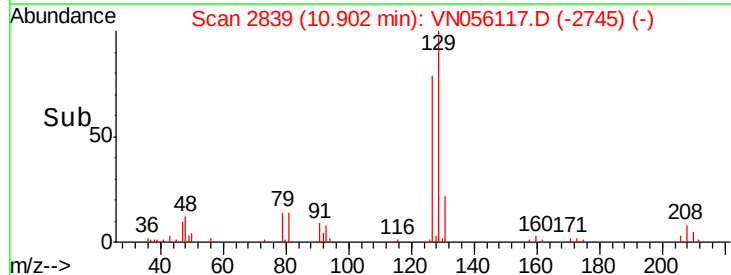
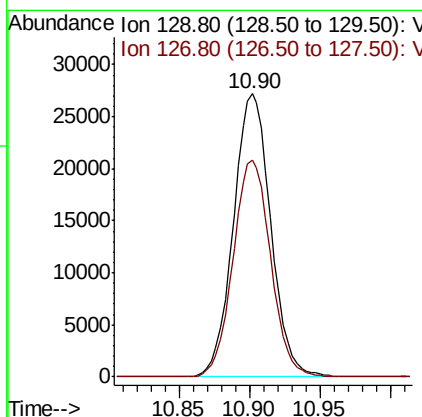
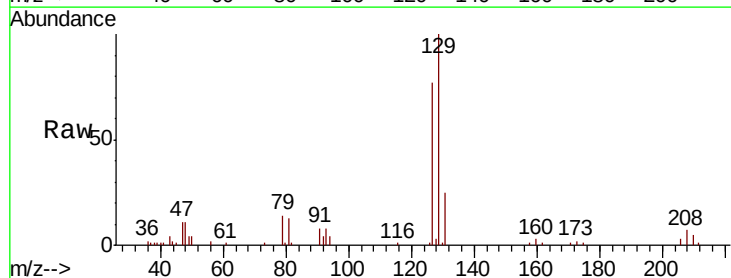
Instrument :
MSVOA_N
ClientSampleId :

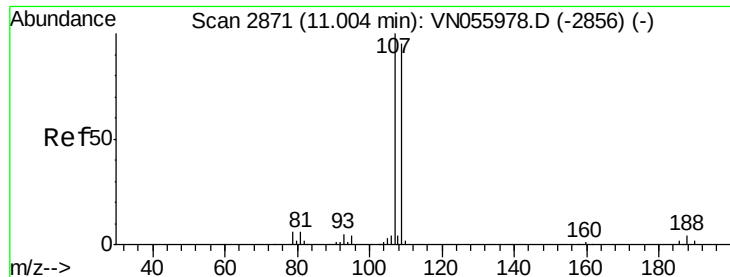
Tot Ion: 43 Resp: 252526
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.7



#60
Dibromochloromethane
Concen: 17.916 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 129 Resp: 50450
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3

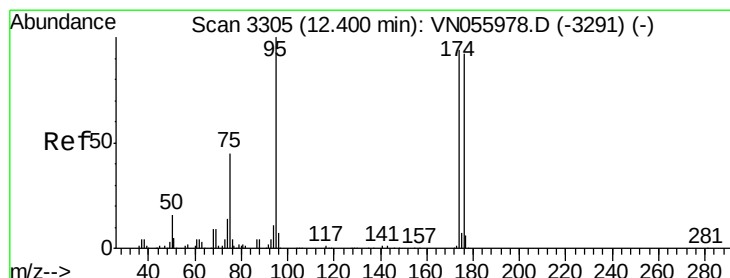
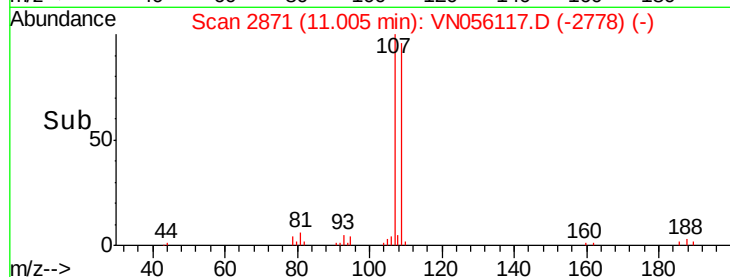
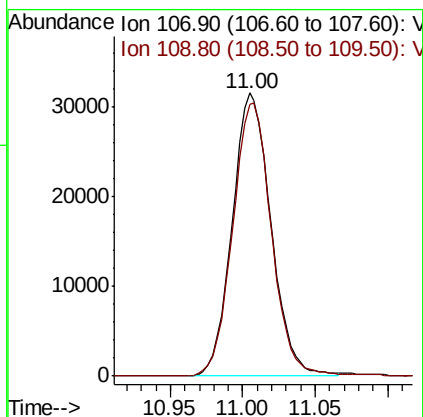
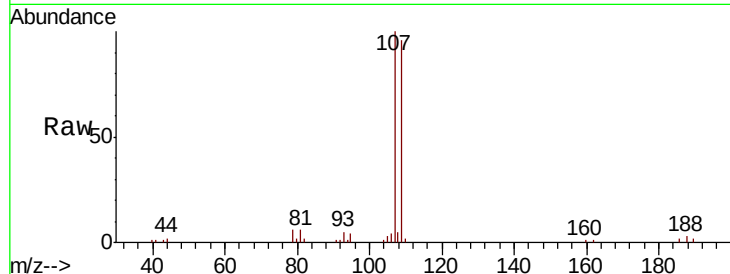




#61
 1,2-Dibromoethane
 Concen: 20.309 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

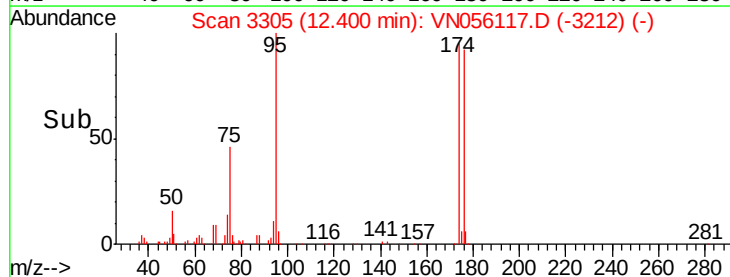
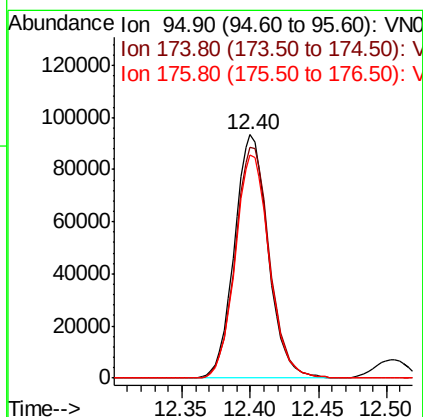
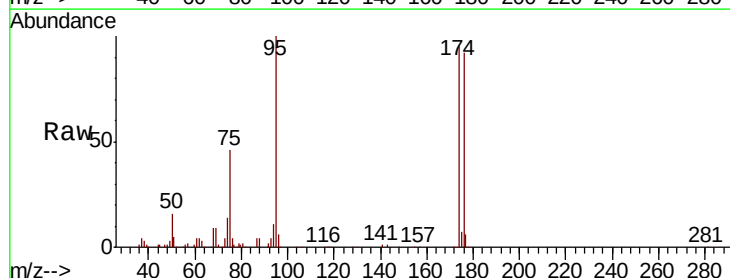
Instrument :
 MSVOA_N
 ClientSampleId :

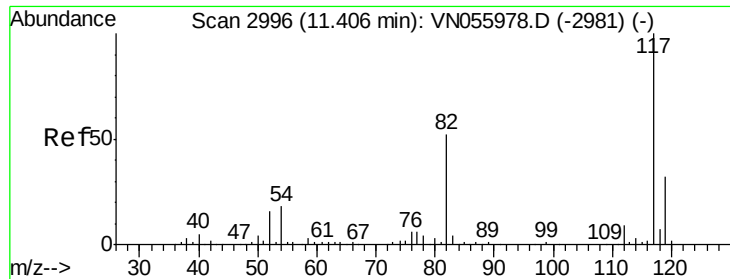
Tot Ion:107 Resp: 58400
 Ion Ratio Lower Upper
 107 100
 109 97.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 45.554 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion: 95 Resp: 159819
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 191.0
 176 92.8 0.0 185.2

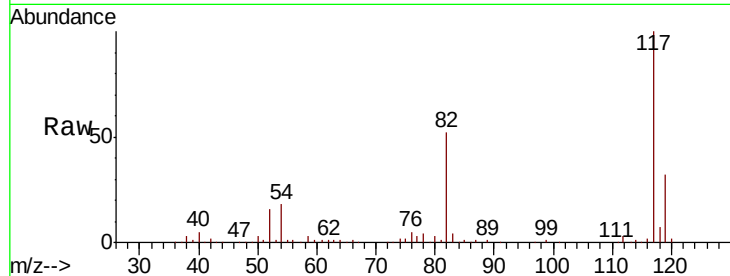




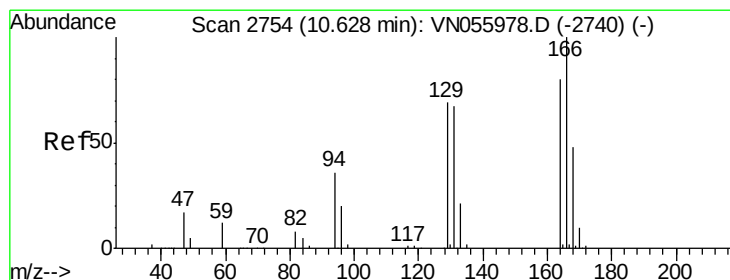
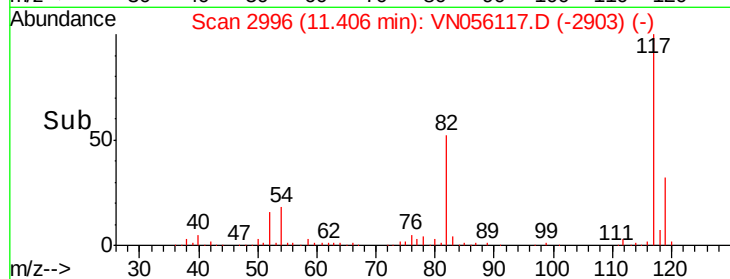
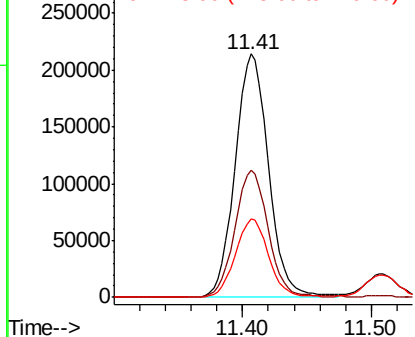
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 385985
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.1 25.4 38.0

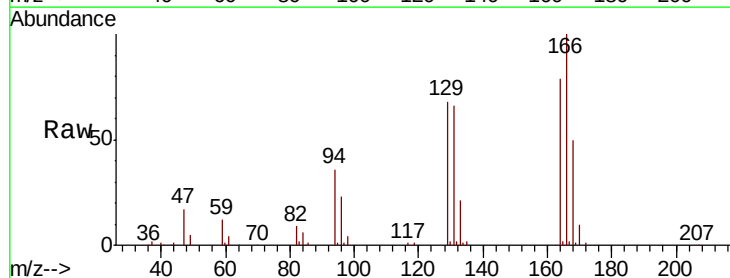


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

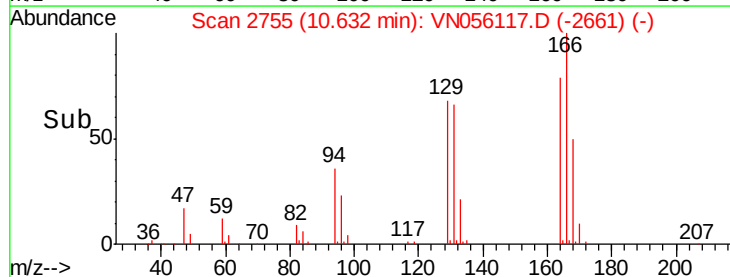
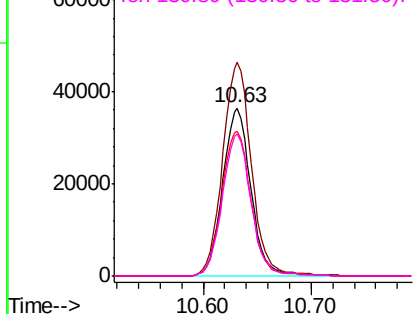


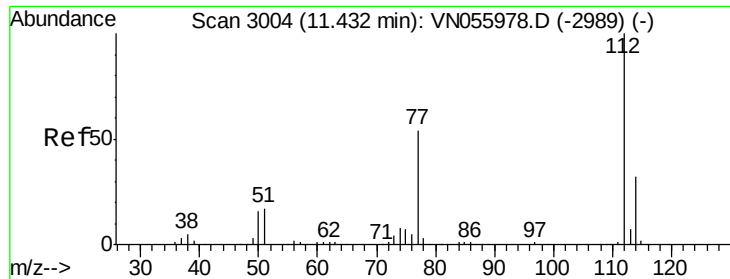
#64
Tetrachloroethene
Concen: 19.858 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:164 Resp: 66347
Ion Ratio Lower Upper
164 100
166 127.3 103.0 154.6
129 86.3 70.6 105.8
131 84.4 68.6 102.8



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

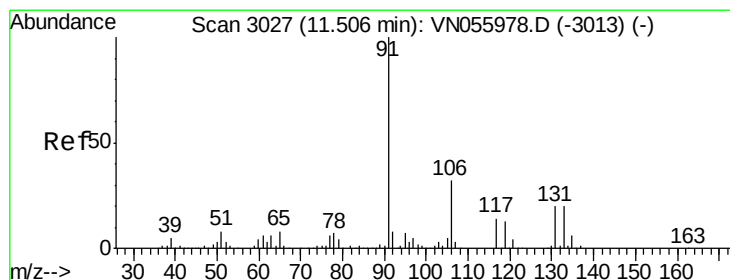
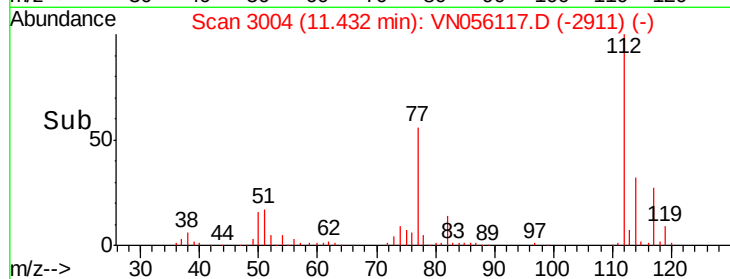
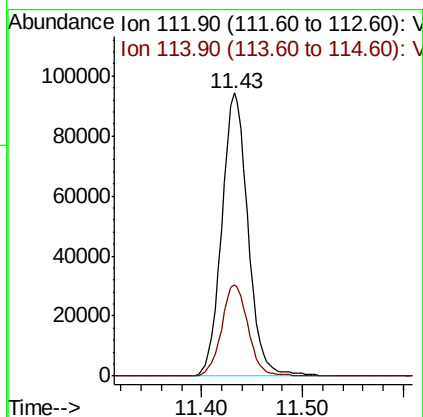
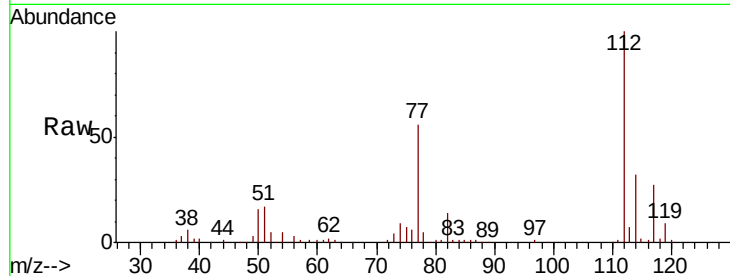




#65
Chlorobenzene
Concen: 22.299 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

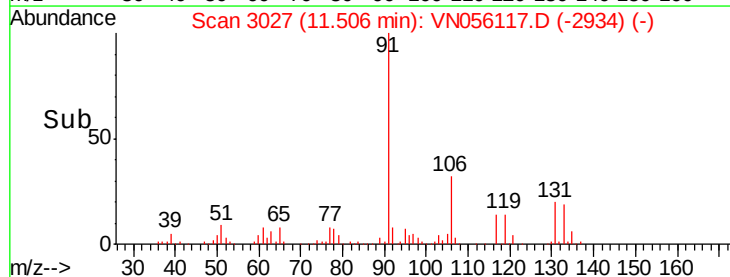
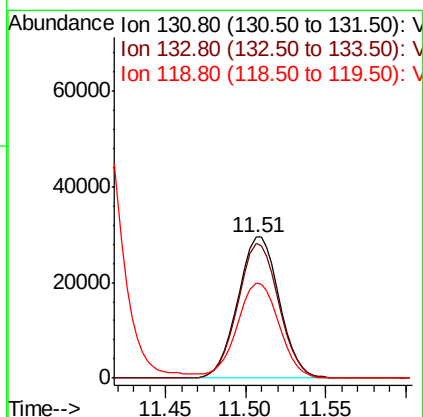
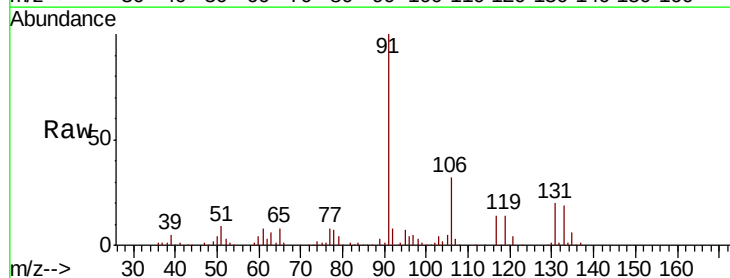
Instrument :
MSVOA_N
ClientSampled :

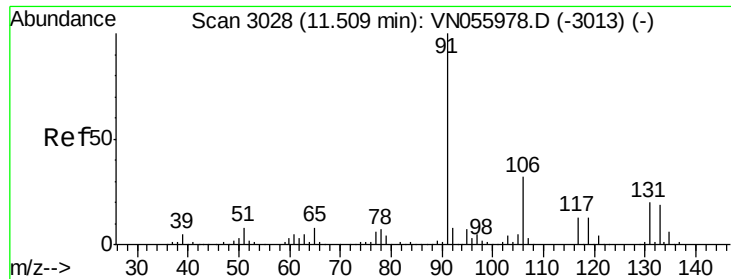
Tot Ion:112 Resp: 171297
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.699 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:131 Resp: 52252
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.0
119 68.7 33.1 99.5

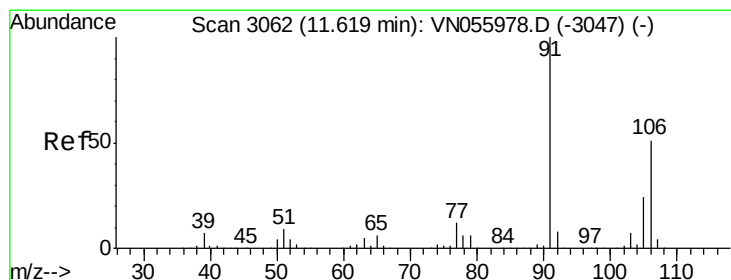
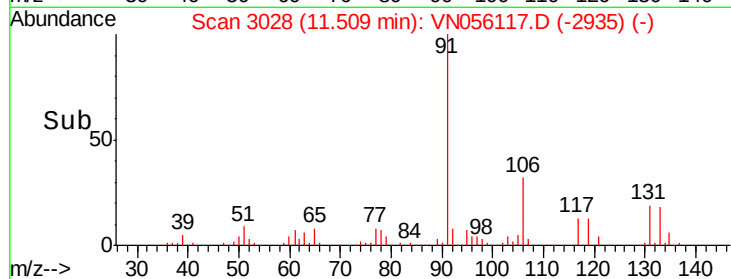
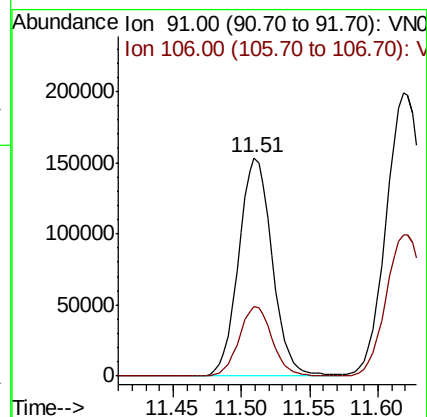
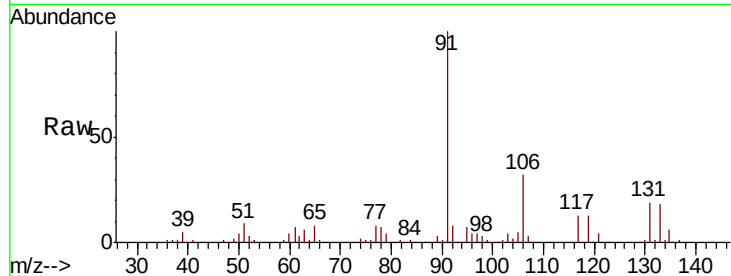




#67
Ethyl Benzene
Concen: 19.624 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

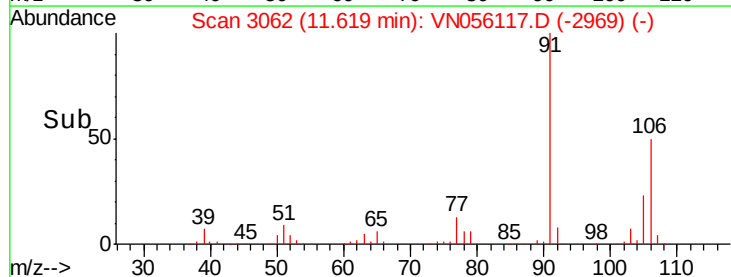
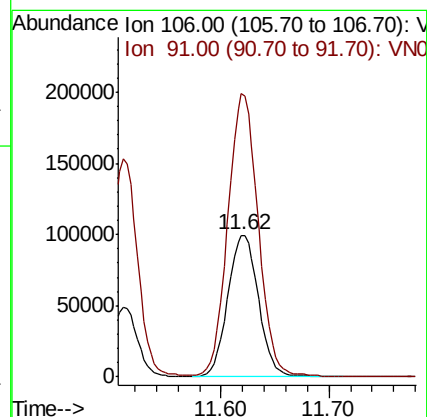
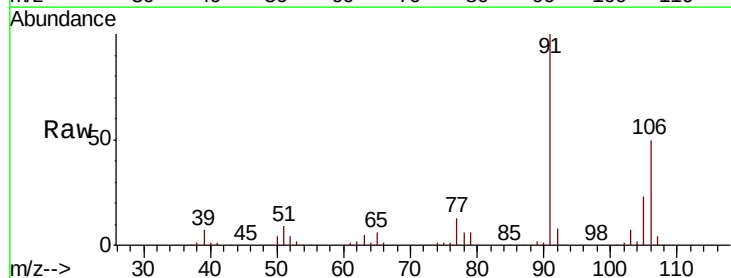
Instrument :
MSVOA_N
ClientSampled :

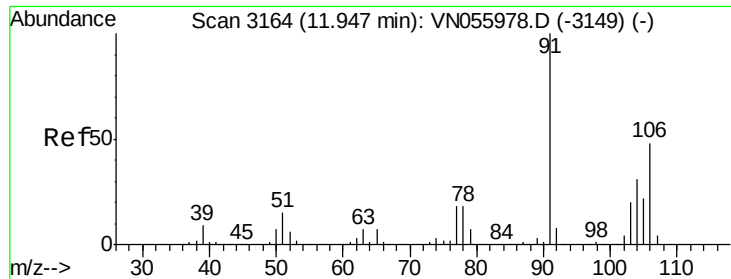
Tot Ion: 91 Resp: 262127
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 38.769 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 106 Resp: 197826
Ion Ratio Lower Upper
106 100
91 197.6 159.3 238.9

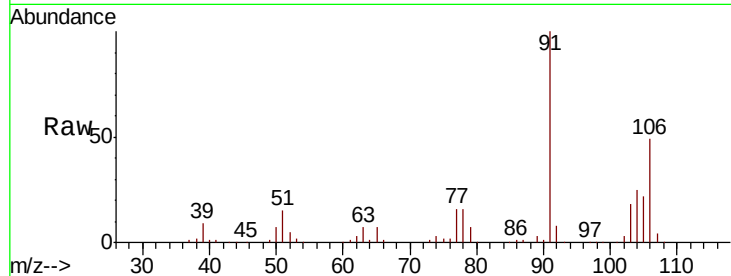




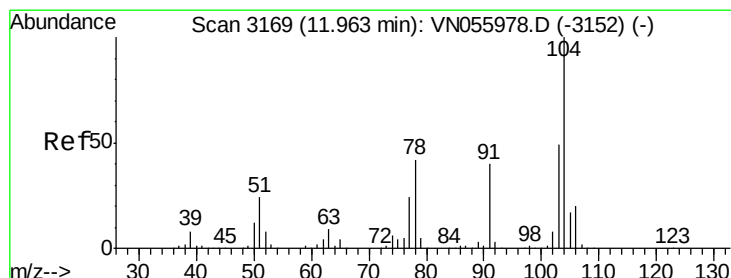
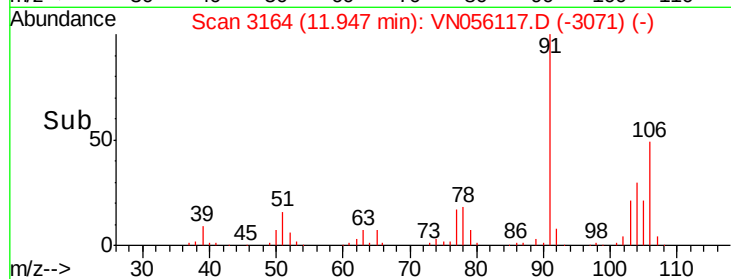
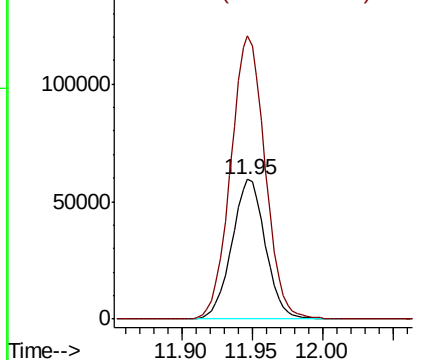
#69
o-Xylene
Concen: 19.729 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 99029
Ion Ratio Lower Upper
106 100
91 207.5 104.7 314.1

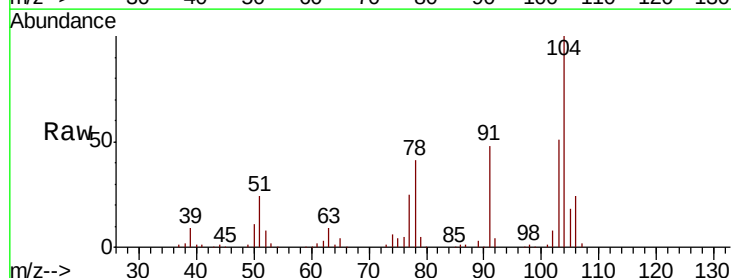


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

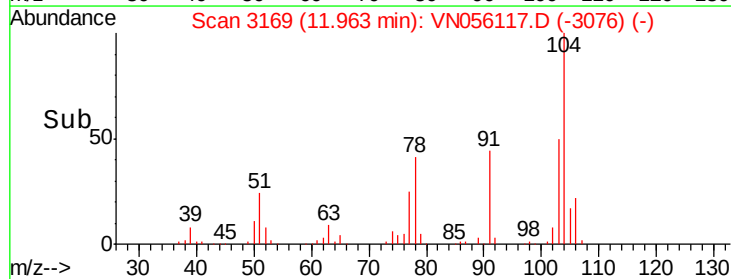
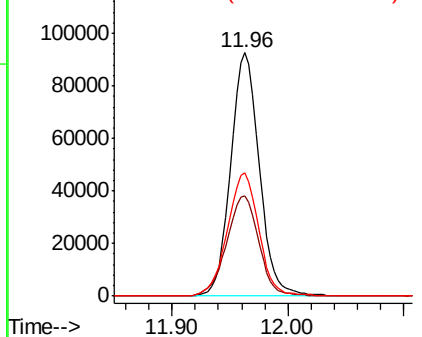


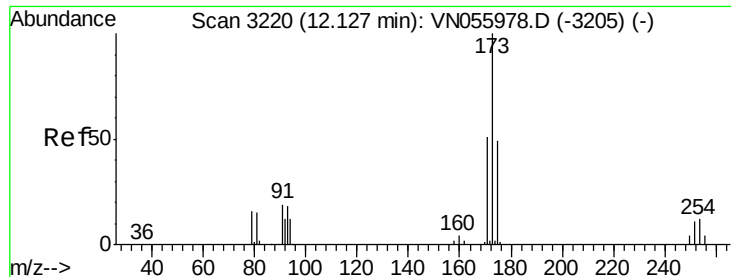
#70
Styrene
Concen: 19.750 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:104 Resp: 157504
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

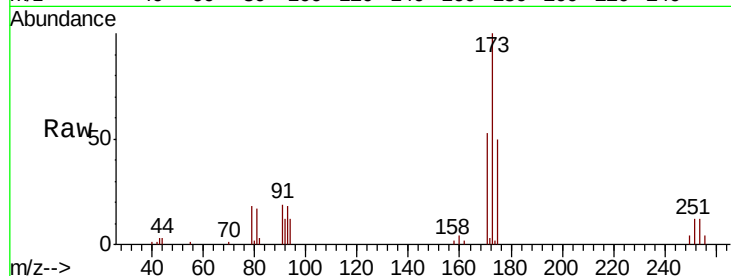




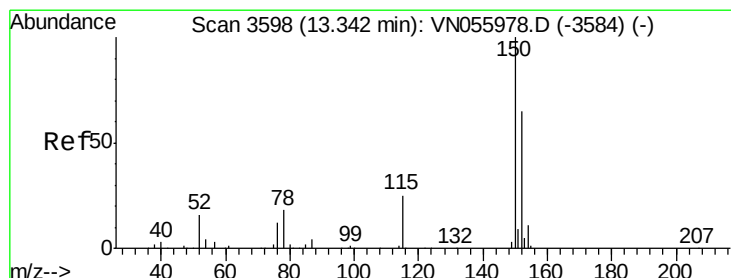
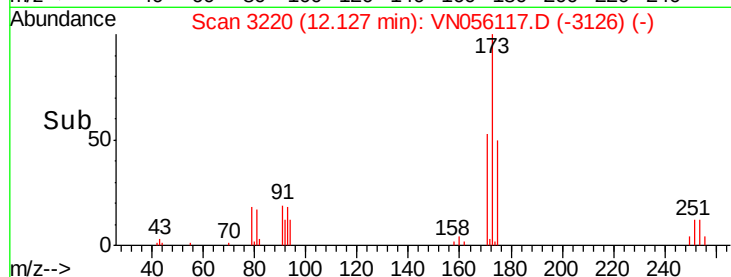
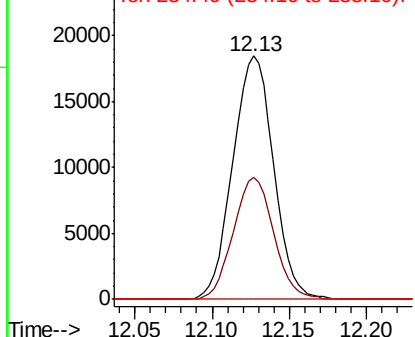
#71
Bromoform
Concen: 17.105 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 33840
Ion Ratio Lower Upper
173 100
175 49.5 24.3 72.8
254 0.0 0.0 0.0

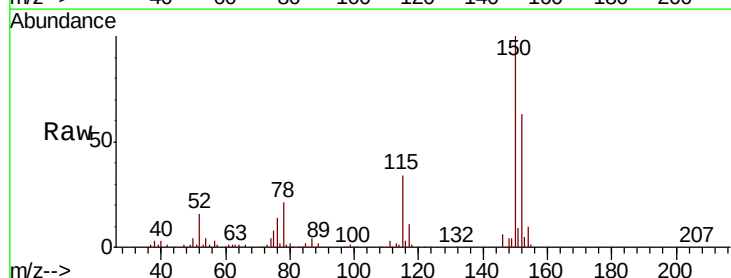


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

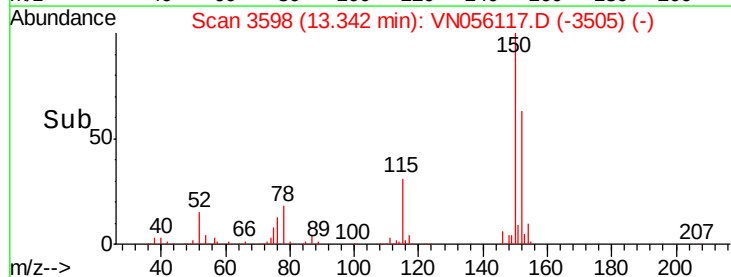
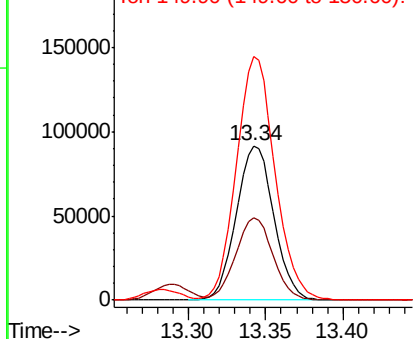


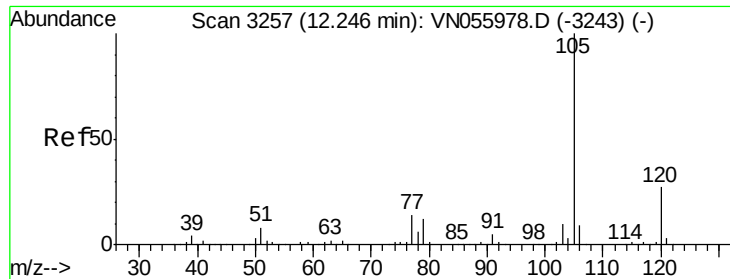
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion:152 Resp: 154236
Ion Ratio Lower Upper
152 100
115 53.0 27.0 81.0
150 162.7 0.0 343.2



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: 22.129 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

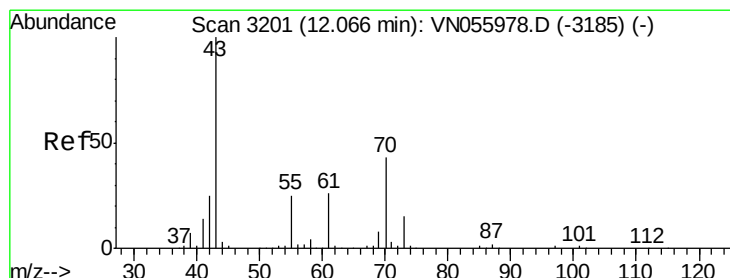
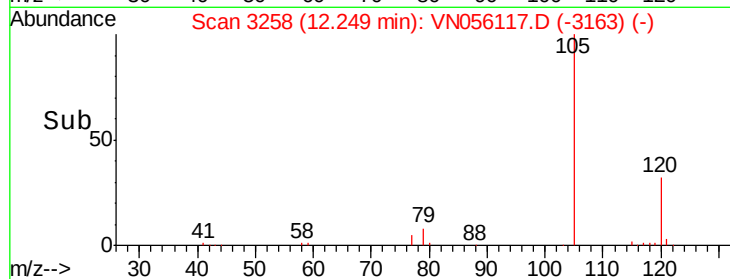
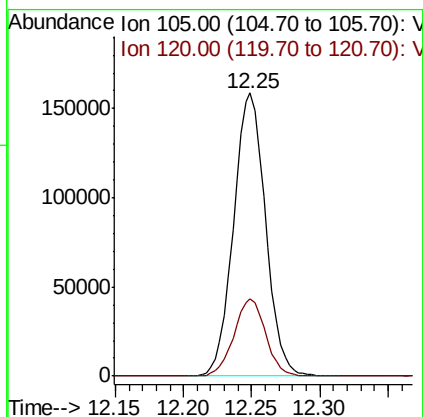
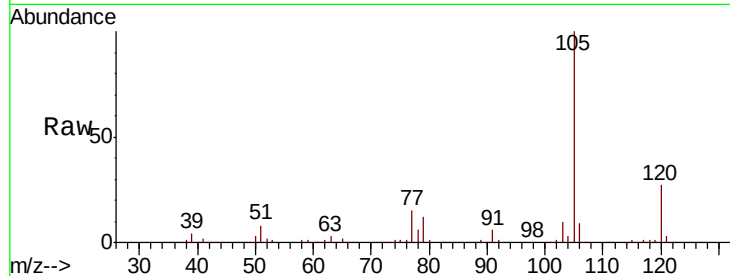
ClientSampleId :

Tot Ion:105 Resp: 258112

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 21.193 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Tgt Ion: 43 Resp: 87132

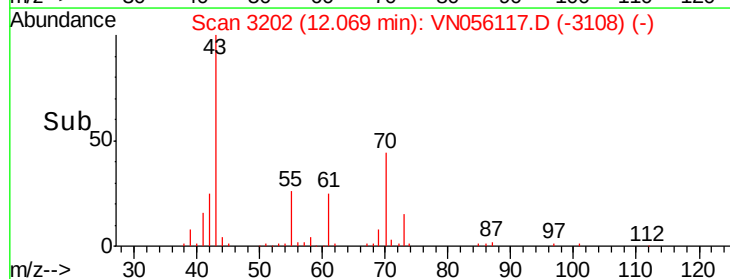
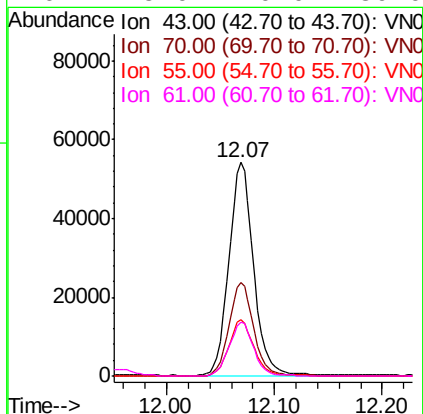
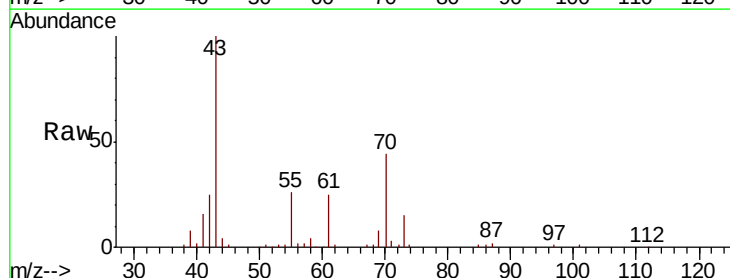
Ion Ratio Lower Upper

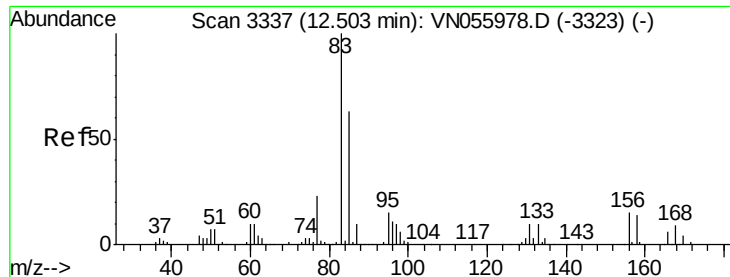
43 100

70 43.2 34.0 51.0

55 26.4 18.6 28.0

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.416 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

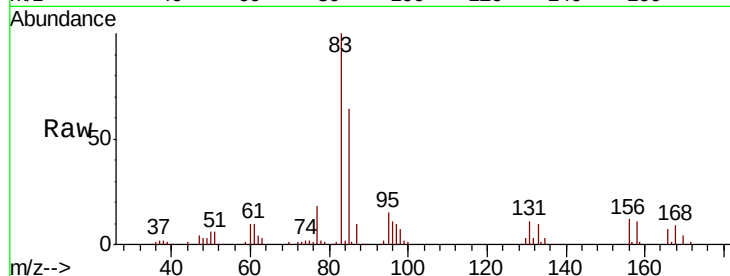
Tot Ion: 83 Resp: 80261

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

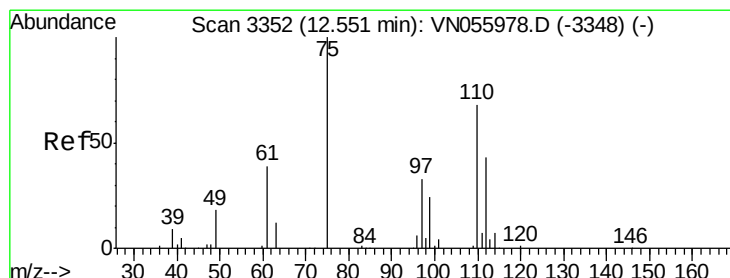
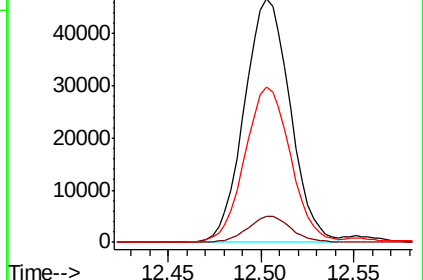
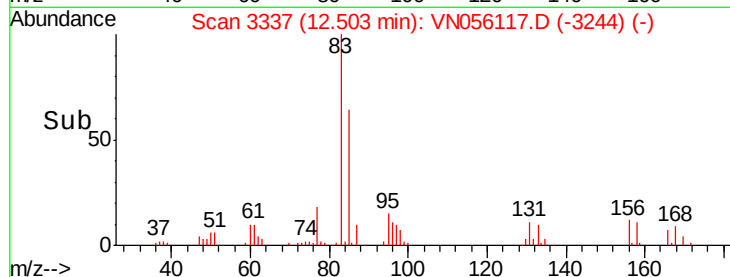
85 63.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056117.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056117.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056117.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 30.961 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056117.D

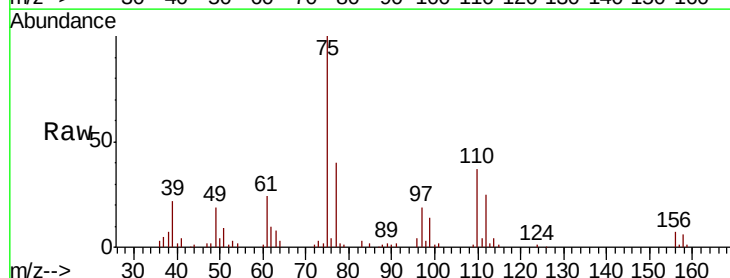
Acq: 7 Jun 2019 23:06

Tgt Ion: 75 Resp: 87868

Ion Ratio Lower Upper

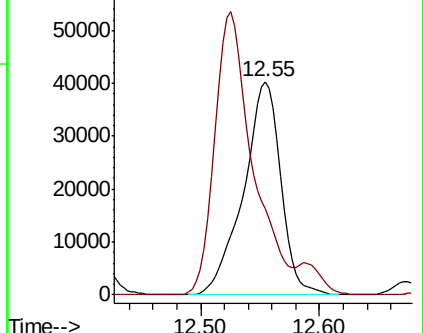
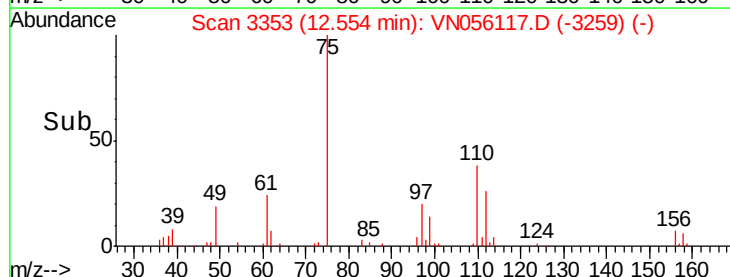
75 100

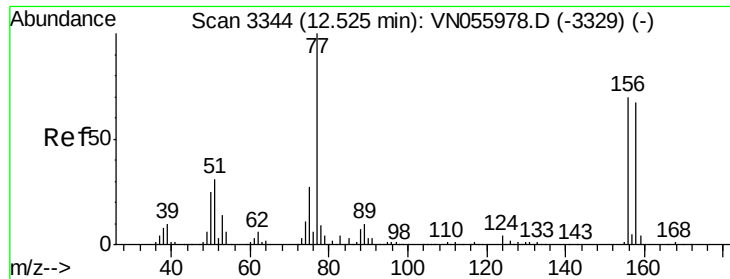
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056117.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056117.D (-3259) (-)

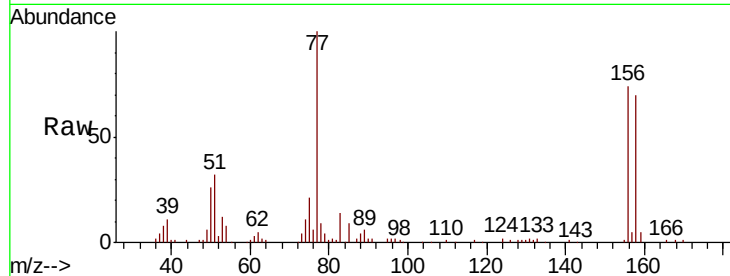




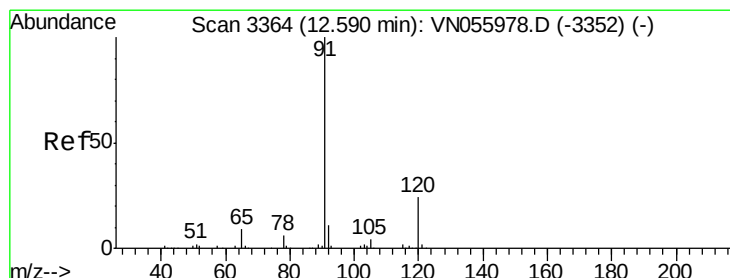
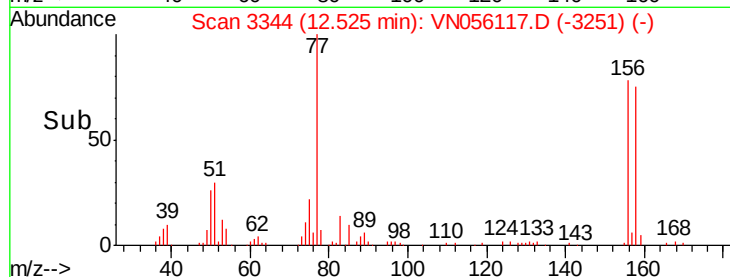
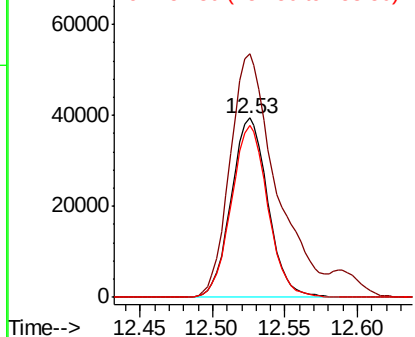
#77
Bromobenzene
Concen: 21.018 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:156 Resp: 69405
Ion Ratio Lower Upper
156 100
77 170.1 90.8 272.5
158 95.0 49.3 147.8

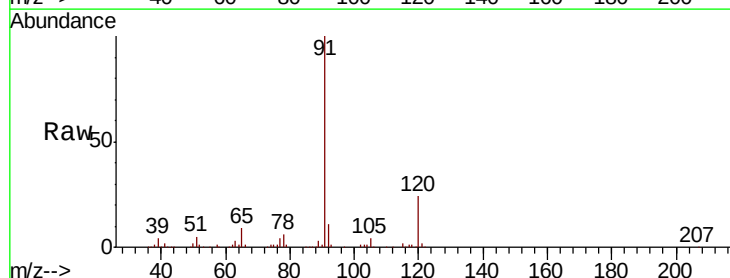


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

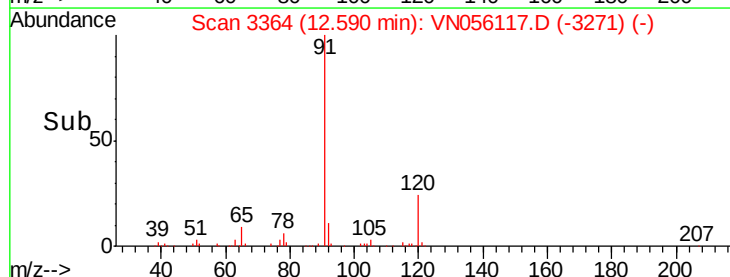
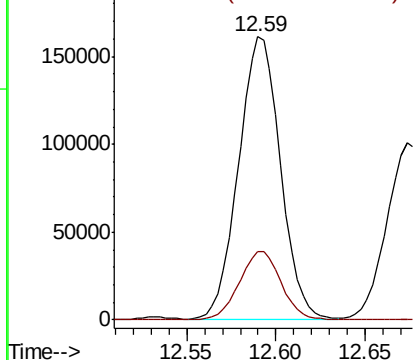


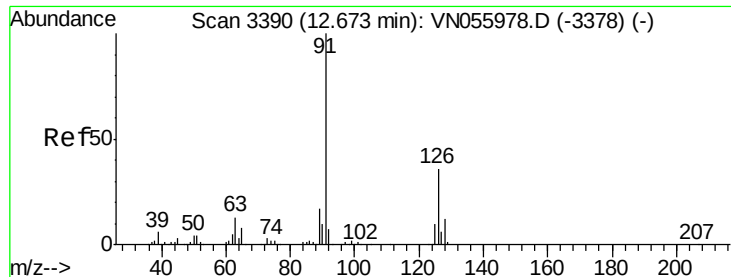
#78
n-propylbenzene
Concen: 20.091 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056117.D
Acq: 7 Jun 2019 23:06

Tgt Ion: 91 Resp: 262150
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.853 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

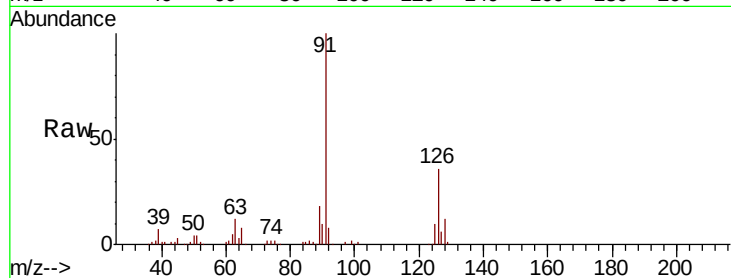
ClientSampleId :

Tot Ion: 91 Resp: 167621

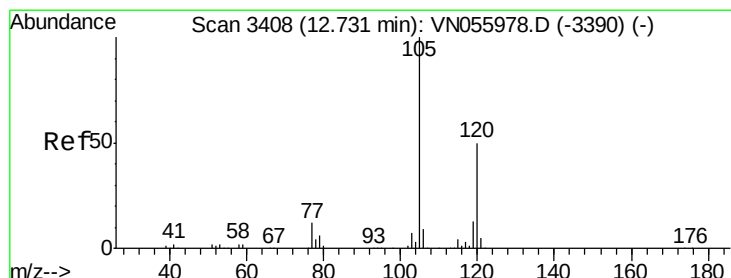
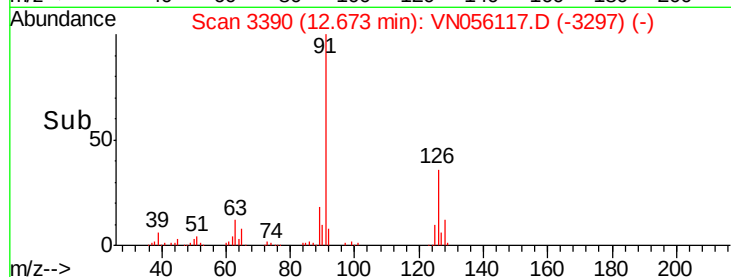
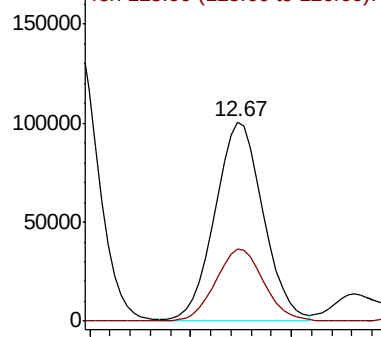
Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN056117.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.244 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056117.D

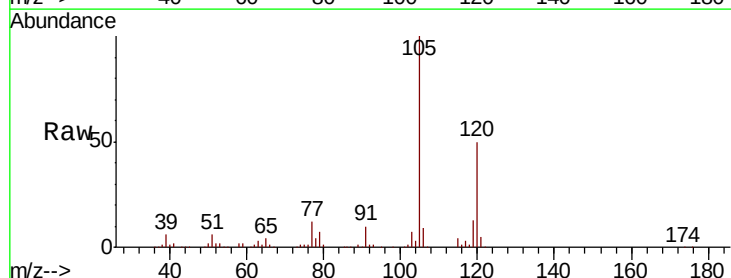
Acq: 7 Jun 2019 23:06

Tgt Ion: 105 Resp: 209930

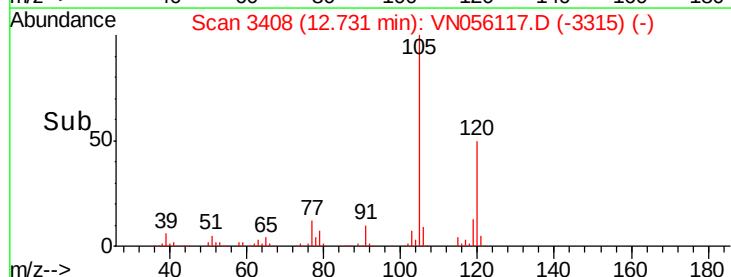
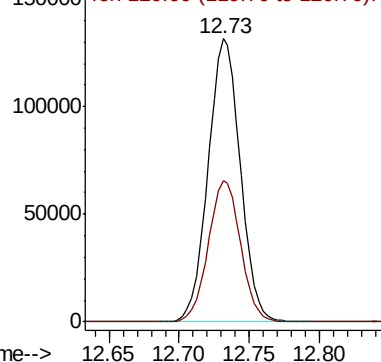
Ion Ratio Lower Upper

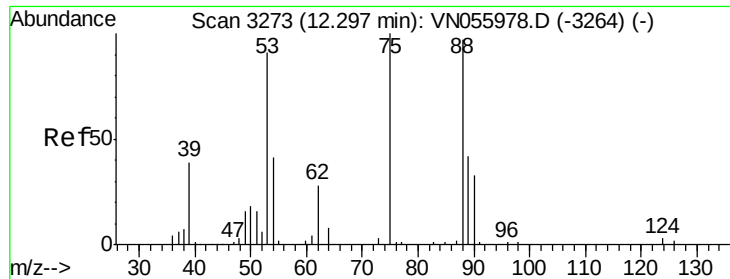
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056117.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.380 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

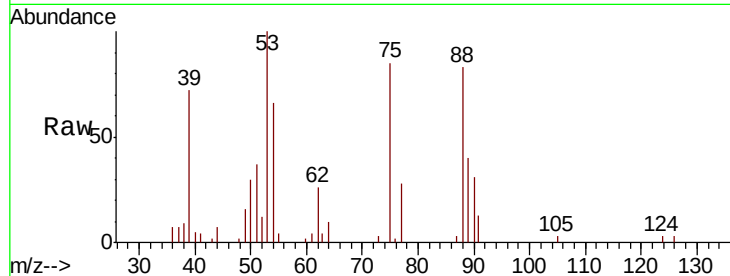
Tot Ion: 75 Resp: 13107

Ion Ratio Lower Upper

75 100

53 117.4 68.1 102.1#

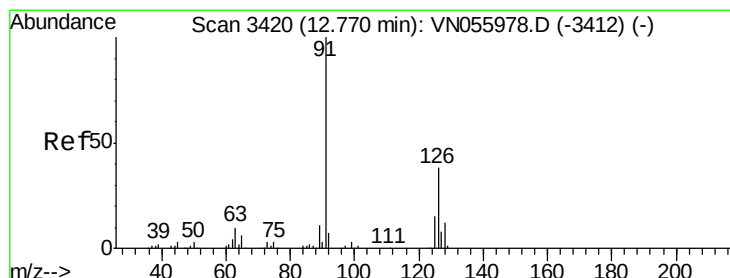
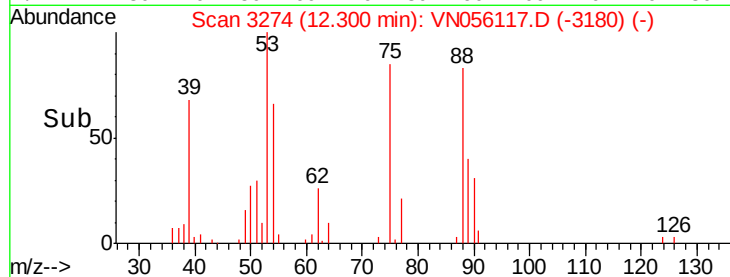
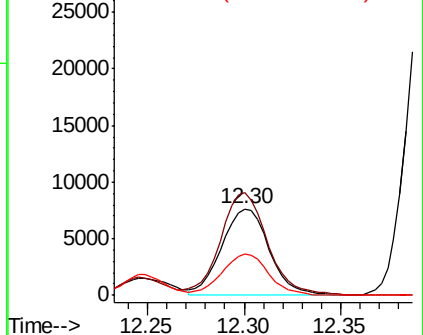
89 46.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.085 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056117.D

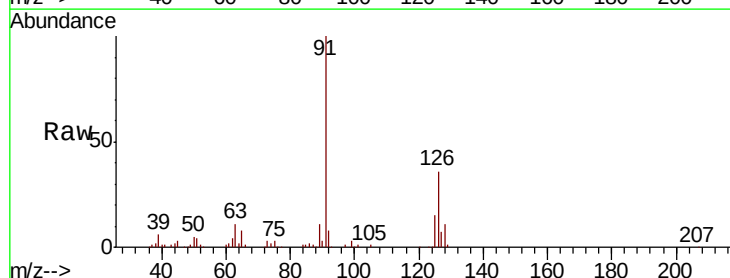
Acq: 7 Jun 2019 23:06

Tgt Ion: 91 Resp: 153322

Ion Ratio Lower Upper

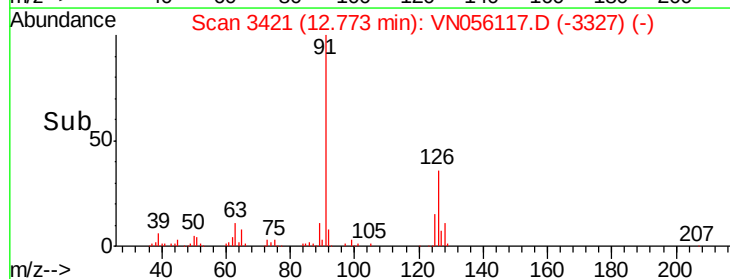
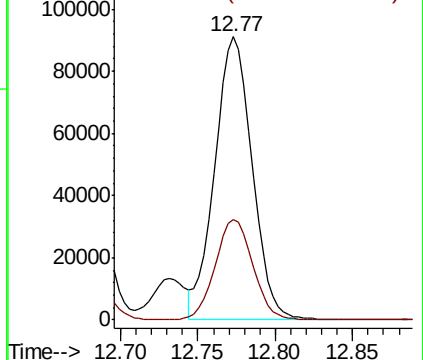
91 100

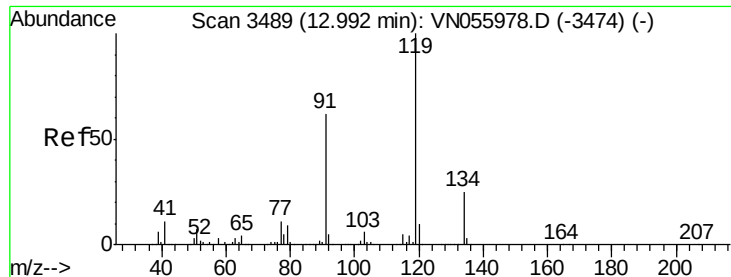
126 35.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

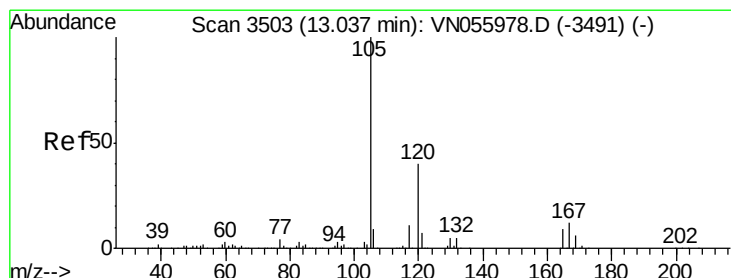
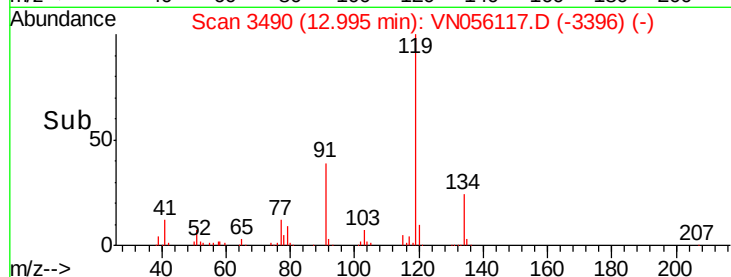
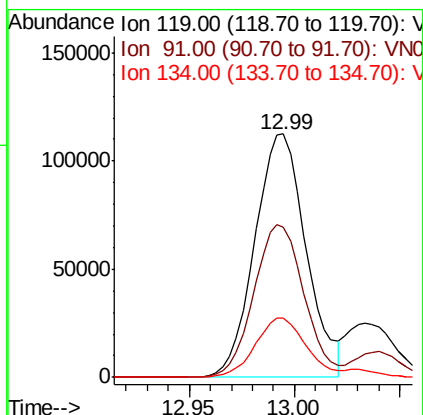
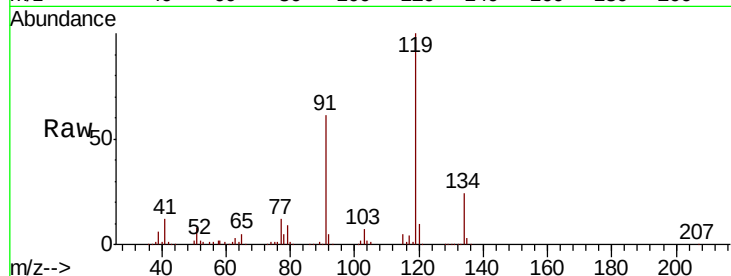




#83
 tert-Butylbenzene
 Concen: 22.183 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

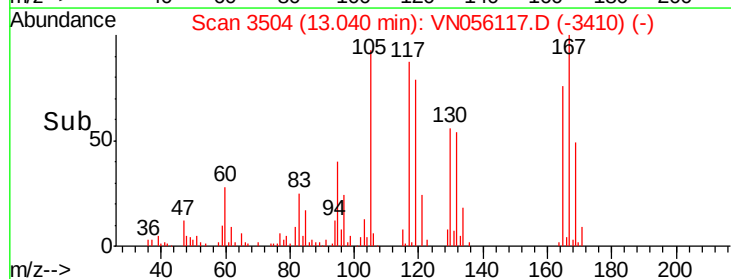
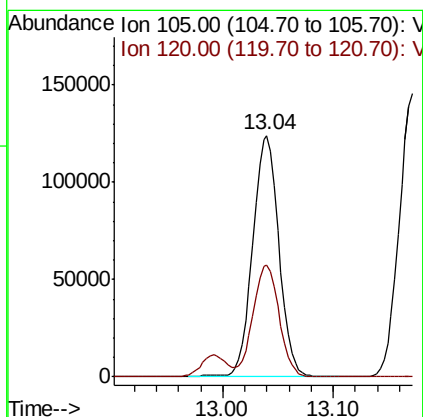
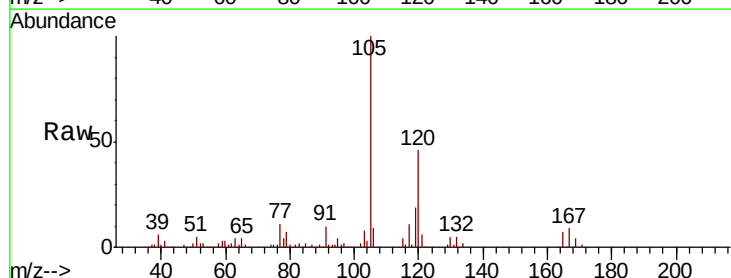
Instrument :
 MSVOA_N
 ClientSampled :

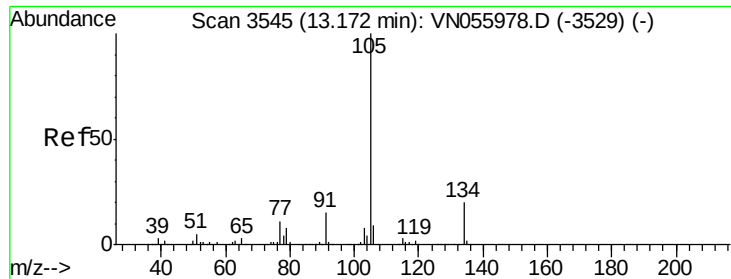
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.9	92.8
134	24.2	13.3	39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.731 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.426 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

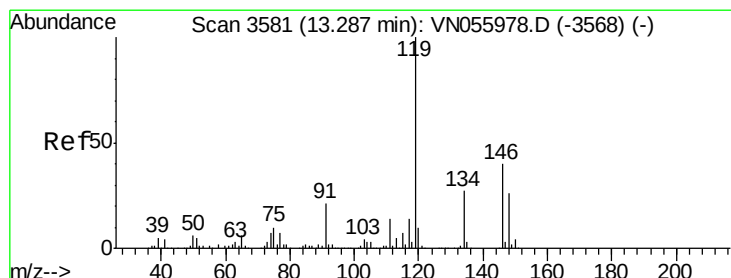
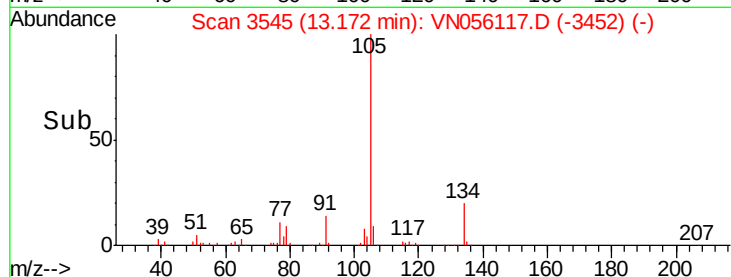
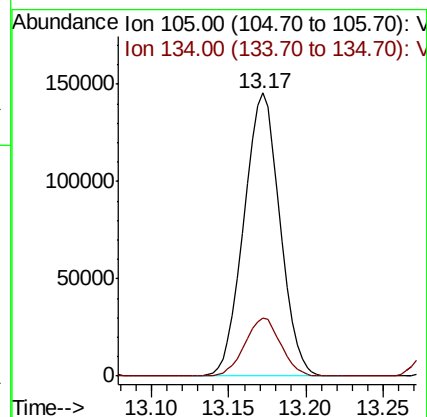
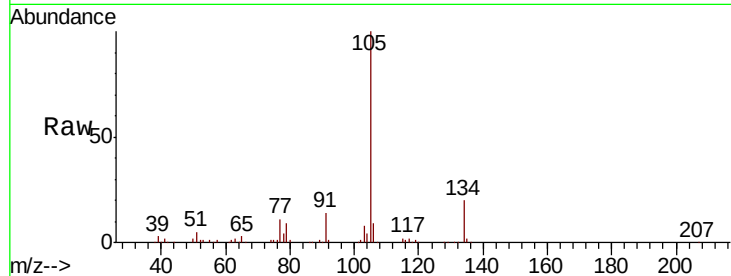
ClientSampleId :

Tot Ion:105 Resp: 236027

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.953 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

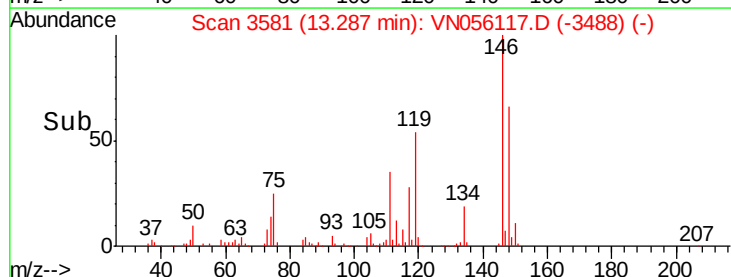
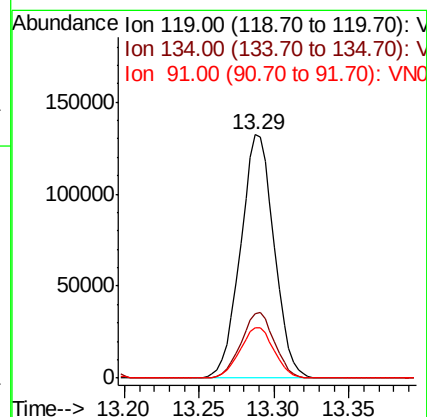
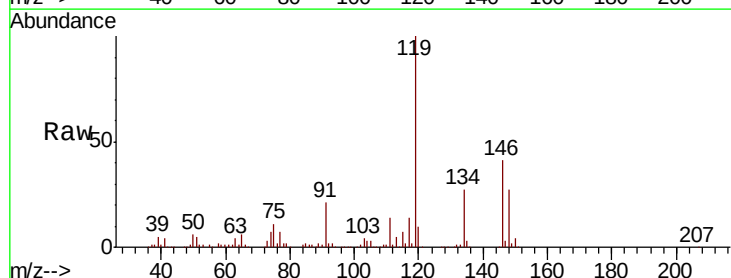
Tgt Ion:119 Resp: 206346

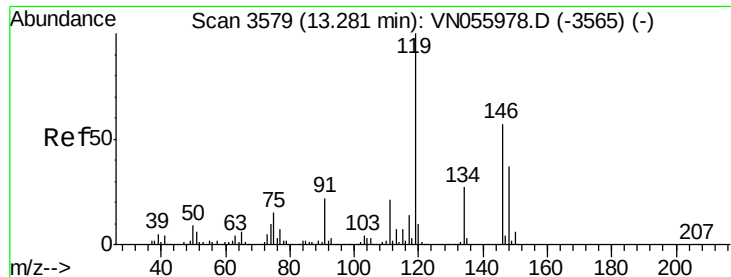
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.2 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.733 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

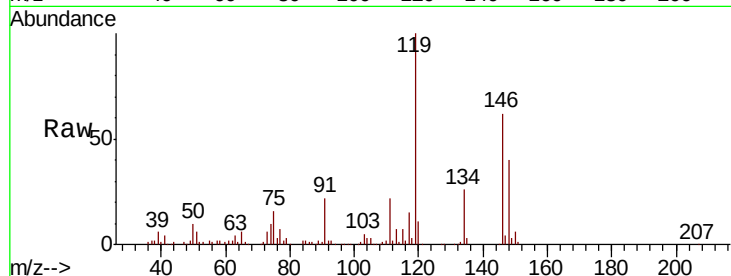
Tot Ion:146 Resp: 100851

Ion Ratio Lower Upper

146 100

111 36.5 18.5 55.5

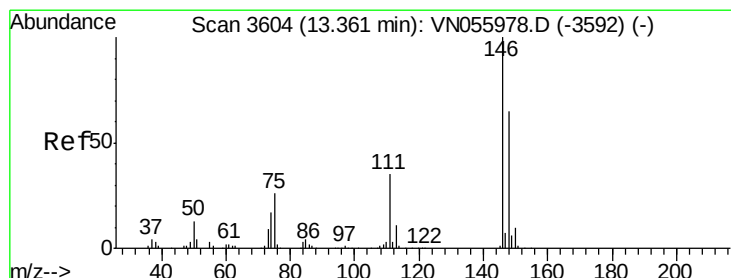
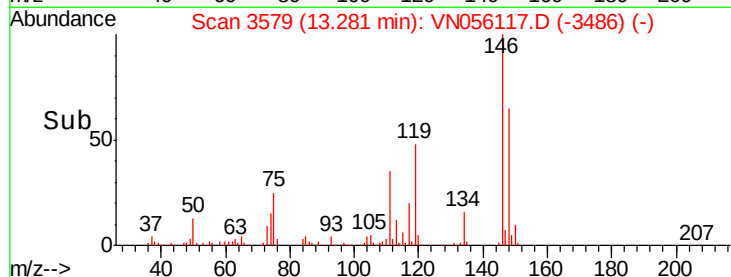
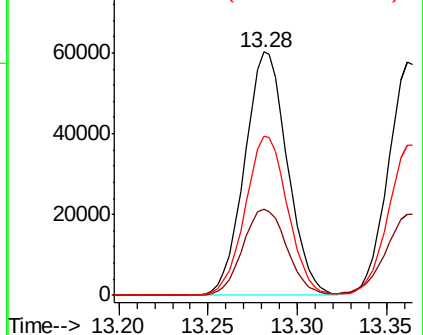
148 64.9 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 19.729 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

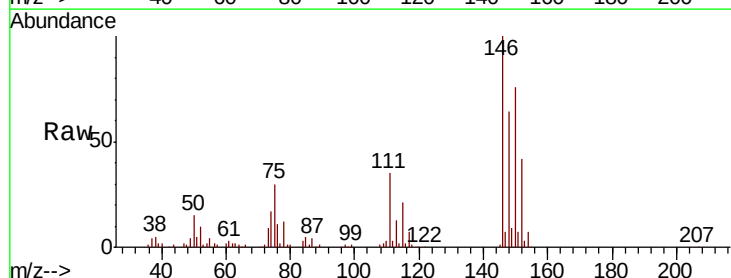
Tgt Ion:146 Resp: 96997

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.4

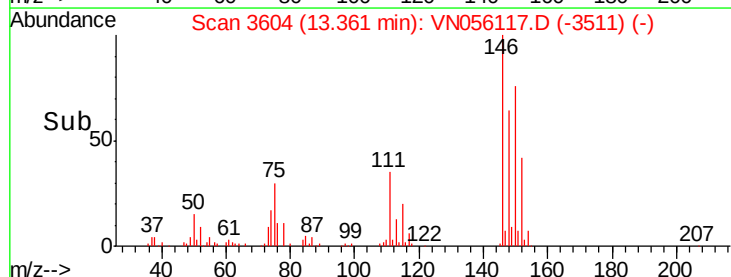
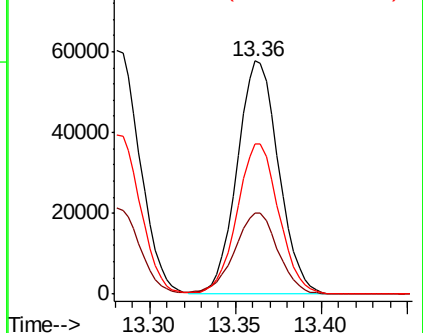
148 64.7 32.1 96.5

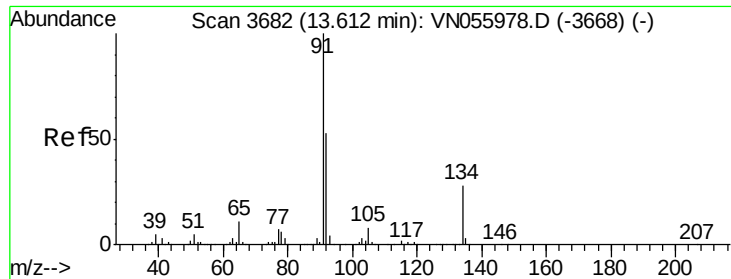


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.919 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

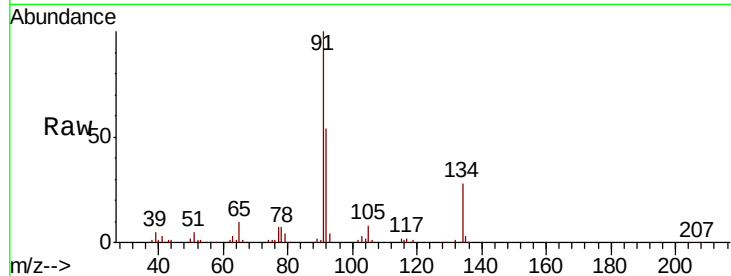
Tot Ion: 91 Resp: 137280

Ion Ratio Lower Upper

91 100

92 53.6 26.4 79.0

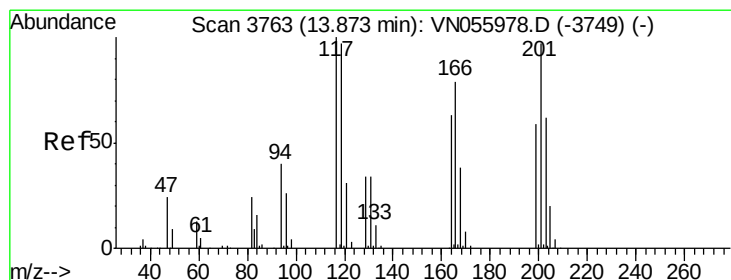
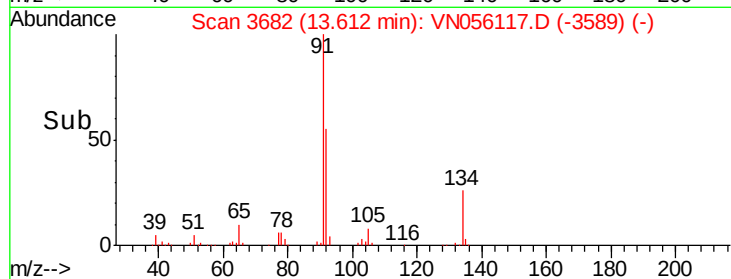
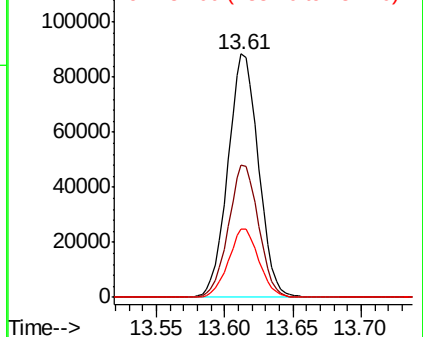
134 27.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.599 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN056117.D

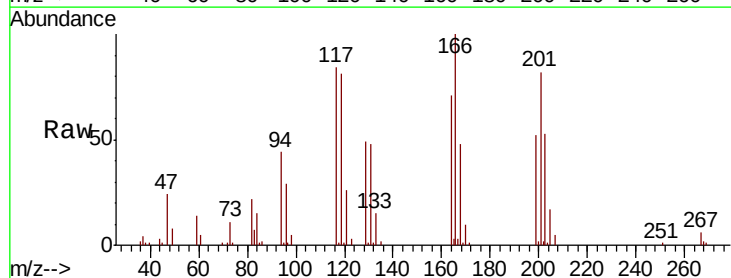
Acq: 7 Jun 2019 23:06

Tgt Ion: 117 Resp: 29007

Ion Ratio Lower Upper

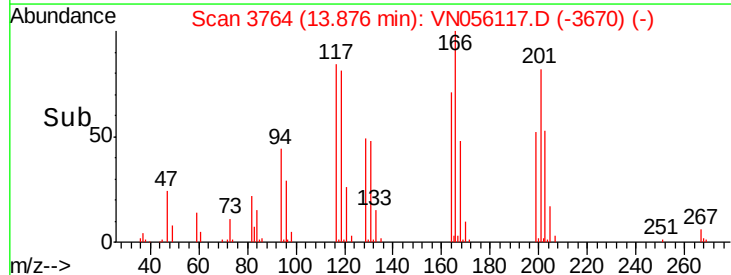
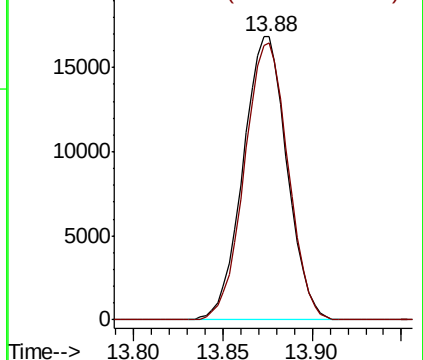
117 100

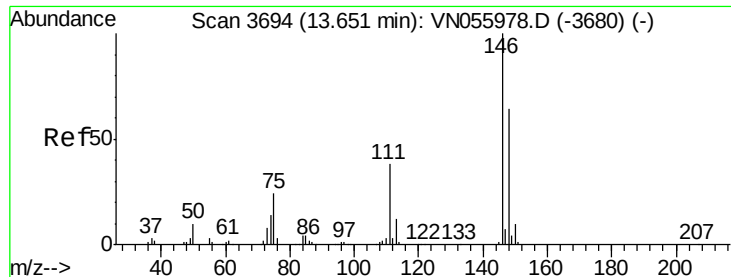
201 96.8 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

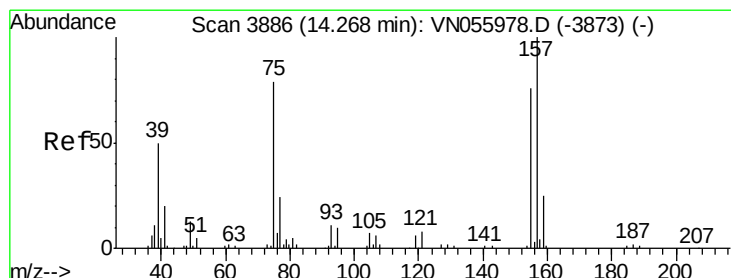
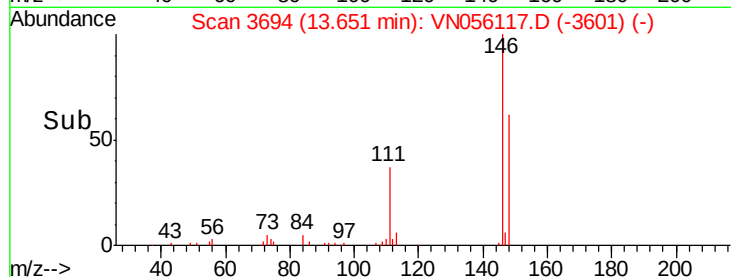
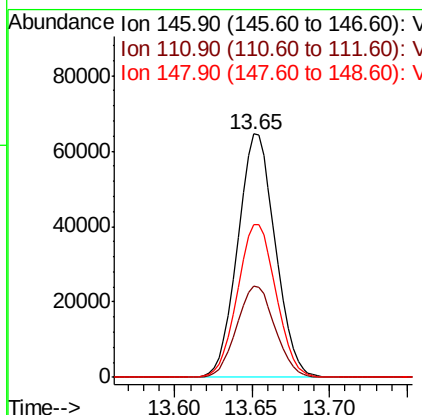
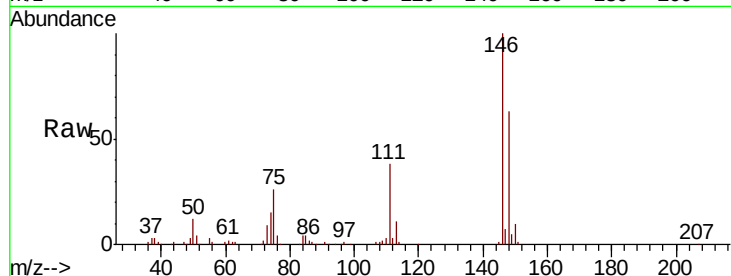




#91
 1,2-Dichlorobenzene
 Concen: 21.124 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

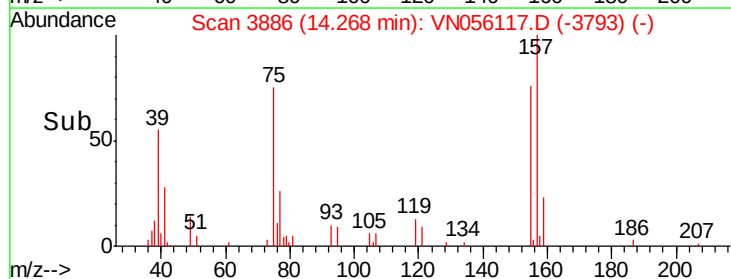
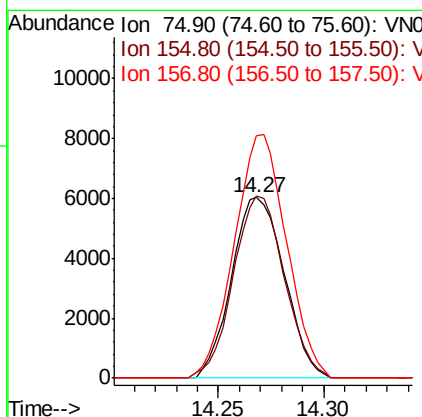
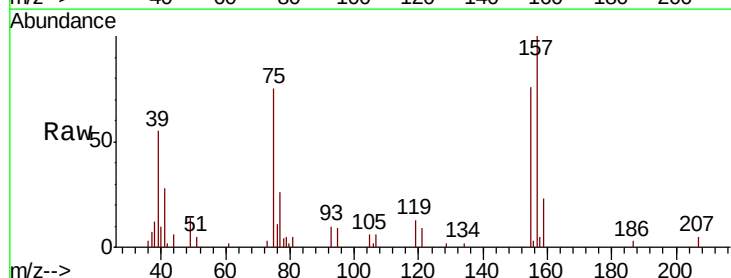
Instrument :
 MSVOA_N
 ClientSampleId :

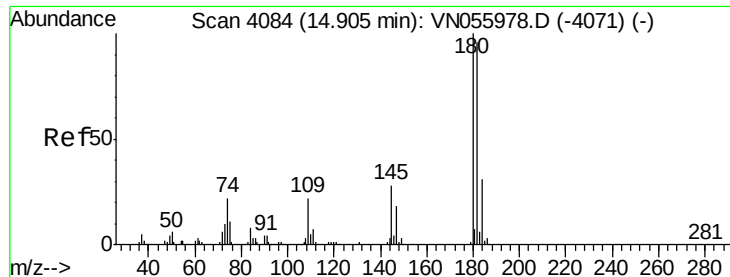
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	64.3	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.468 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.0	150.1
157	133.5	64.8	194.3

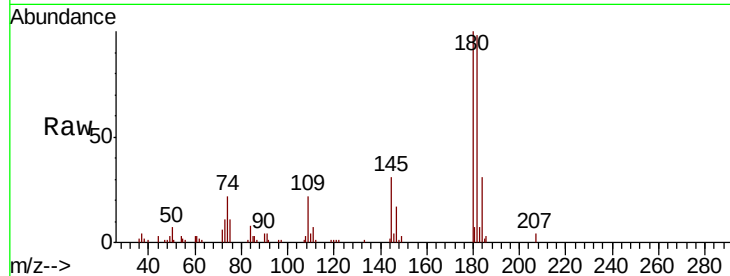




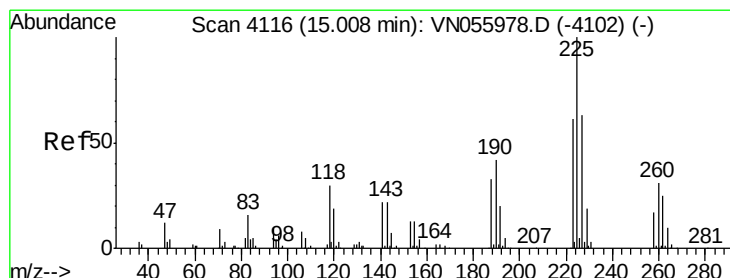
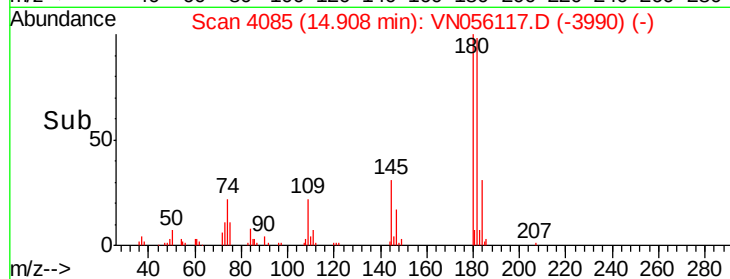
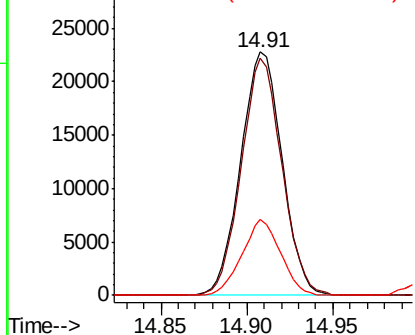
#93
 1,2,4-Trichlorobenzene
 Concen: 16.527 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 38108
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.3 144.9
 145 28.9 14.0 41.9

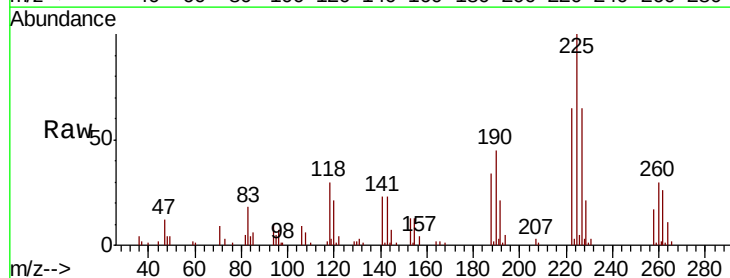


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

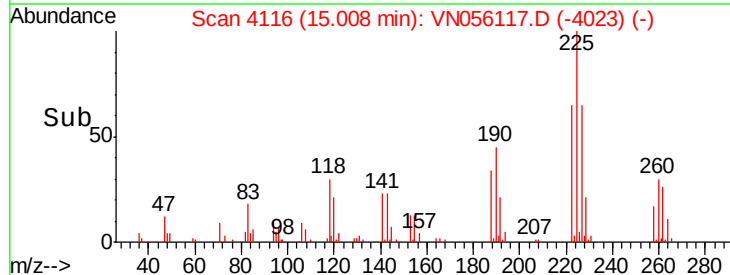
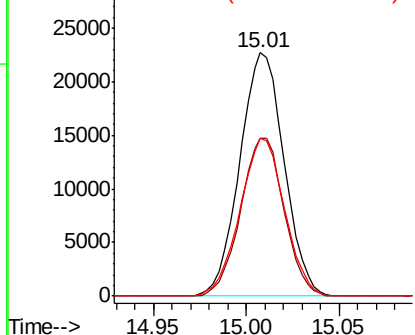


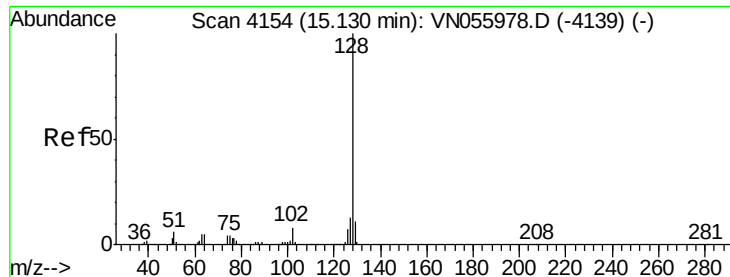
#94
 Hexachlorobutadiene
 Concen: 19.984 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056117.D
 Acq: 7 Jun 2019 23:06

Tgt Ion:225 Resp: 37581
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.7
 227 65.0 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.153 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

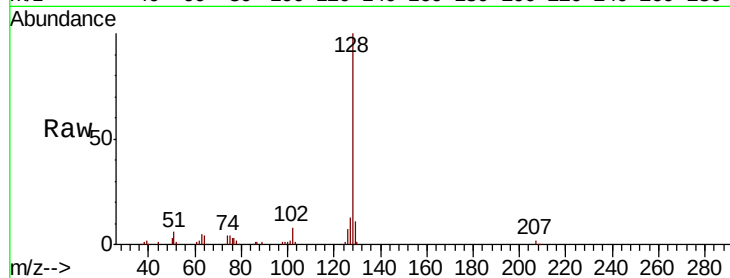
Tot Ion:128 Resp: 106321

Ion Ratio Lower Upper

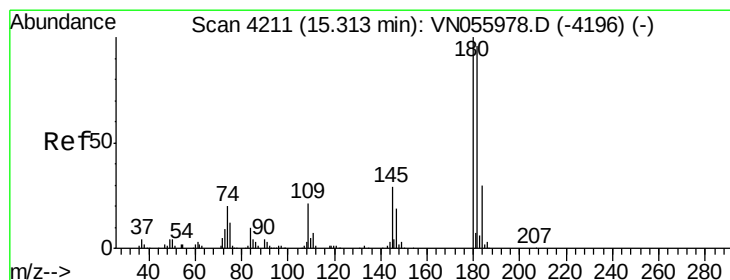
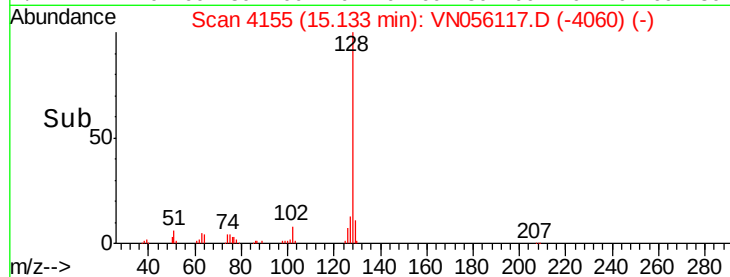
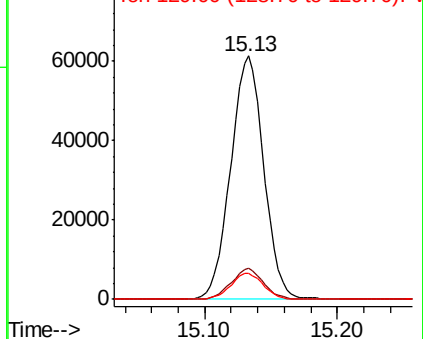
128 100

127 12.3 10.3 15.5

129 10.5 8.7 13.1



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: 17.575 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056117.D

Acq: 7 Jun 2019 23:06

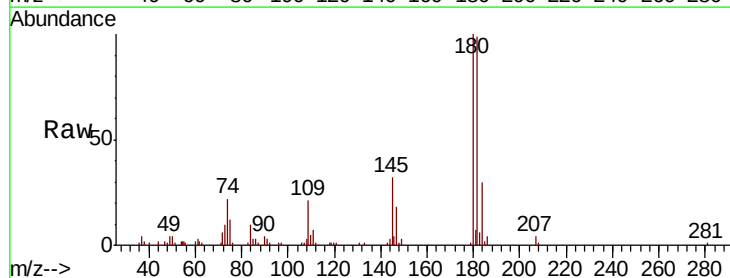
Tgt Ion:180 Resp: 44864

Ion Ratio Lower Upper

180 100

182 98.2 47.9 143.7

145 29.8 14.9 44.7



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

