

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055898.D
 Acq On : 30 May 2019 14:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 31 04:48:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51488	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	275741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	242812	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	102559	30.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.40	95	110311	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	10.09	98	335129	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	42549	18.848	ug/l 99
3) Chloromethane	2.06	50	61159	19.046	ug/l 99
4) Vinyl Chloride	2.18	62	63438	19.357	ug/l 100
5) Bromomethane	2.53	94	42958	22.388	ug/l 99
6) Chloroethane	2.68	64	40034	20.911	ug/l 94
7) Trichlorofluoromethane	3.00	101	82772	20.132	ug/l 100
8) Diethyl Ether	3.40	74	37705	20.861	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52526	20.219	ug/l 99
10) 1,1-Dichloroethene	3.72	96	52727	19.401	ug/l 94
11) Methyl Iodide	3.94	142	77265	19.929	ug/l 98
12) Methyl Acetate	4.33	43	66432	19.987	ug/l 98
13) Acrolein	3.60	56	42605	92.251	ug/l 99
14) Acrylonitrile	4.99	53	149194	98.454	ug/l 99
15) Acetone	3.82	58	51669	109.788	ug/l 99
16) Carbon Disulfide	4.03	76	128914	16.544	ug/l 99
17) Allyl chloride	4.31	41	88013	17.981	ug/l 95
18) Methylene Chloride	4.54	84	61796	19.854	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	56629	19.370	ug/l 95
20) Diisopropyl ether	5.96	45	180309	18.990	ug/l 95
21) 1,1-Dichloroethane	5.84	63	103984	19.377	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	67276	19.731	ug/l 97
23) tert-Butyl Alcohol	4.81	59	58517	87.927	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	178697	19.378	ug/l 98
25) Chloroform	7.37	83	104060	19.633	ug/l 98
26) Cyclohexane	7.65	56	94041	18.995	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	76336	19.775	ug/l 99
30) 2-Butanone	6.84	43	211899	102.990	ug/l 99
31) 2,2-Dichloropropane	6.82	77	83741	18.642	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	88176	19.272	ug/l 100
33) Carbon Tetrachloride	7.77	117	74178	18.124	ug/l 98
34) Benzene	8.04	78	242664	20.362	ug/l 99
35) Methacrylonitrile	7.17	41	36854	19.407	ug/l 99
36) 1,2-Dichloroethane	8.12	62	79598	20.438	ug/l 99
37) Trichloroethene	8.83	130	67375	20.263	ug/l 99
38) Methylcyclohexane	9.08	83	95080	19.441	ug/l 99
39) 1,2-Dichloropropane	9.12	63	63421	19.796	ug/l 96
40) Dibromomethane	9.21	93	42536	20.561	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	77681	18.321	ug/l	100
42) Vinyl Acetate	5.90	43	763322	95.556	ug/l	100
43) Ethyl Acetate	6.93	43	79653	19.696	ug/l #	100
44) Isopropyl Acetate	8.17	43	126019	18.818	ug/l #	87
45) 1,4-Dioxane	9.20	88	25997	412.634	ug/l	97
46) Methyl methacrylate	9.20	41	59922	19.178	ug/l	99
47) n-amyl Acetate	12.07	43	103281	18.646	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	80908	17.287	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	93465	18.245	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	60807	20.190	ug/l	99
51) Ethyl methacrylate	10.43	69	92047	18.962	ug/l	99
52) 1,3-Dichloropropane	10.71	76	100212	20.187	ug/l	99
53) Dibromochloromethane	10.90	129	61817	17.375	ug/l	98
54) 1,2-Dibromoethane	11.00	107	62911	20.187	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	169612	89.800	ug/l	99
56) Bromoform	12.13	173	42653	14.615	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	396687	98.687	ug/l	100
59) 2-Hexanone	10.75	43	284602	99.037	ug/l	100
61) Tetrachloroethene	10.63	164	65744	20.002	ug/l	98
62) Toluene	10.16	91	266525	20.412	ug/l	99
64) Chlorobenzene	11.43	112	160101	20.213	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	58524	18.338	ug/l	99
66) Ethyl Benzene	11.51	91	285197	19.991	ug/l	99
67) m/p-Xylenes	11.62	106	217394	40.112	ug/l	99
68) o-Xylene	11.95	106	107808	20.102	ug/l	98
69) Styrene	11.96	104	172654	19.513	ug/l	98
70) Isopropylbenzene	12.25	105	285798	20.367	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	85443	19.786	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	102583	27.600	ug/l	67
73) Bromobenzene	12.53	156	71891	19.366	ug/l	99
74) n-propylbenzene	12.59	91	299363	19.781	ug/l	100
75) 2-Chlorotoluene	12.67	91	189471	20.495	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	233755	20.153	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21166	14.337	ug/l	85
78) 4-Chlorotoluene	12.77	91	170733	19.487	ug/l	99
79) tert-butylbenzene	12.99	119	209331	20.529	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	226742	19.692	ug/l	99
81) sec-Butylbenzene	13.17	105	265764	20.513	ug/l	99
82) p-Isopropyltoluene	13.29	119	236954	19.873	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	111410	19.145	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	103046	18.594	ug/l	99
85) n-Butylbenzene	13.61	91	171481	18.487	ug/l	98
86) Hexachloroethane	13.87	117	37333	15.919	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	113649	19.395	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13421	16.397	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	46250	14.622	ug/l	97
90) Hexachlorobutadiene	15.01	225	40304	17.077	ug/l	98
91) Naphthalene	15.13	128	138566	16.033	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54079	16.359	ug/l	98

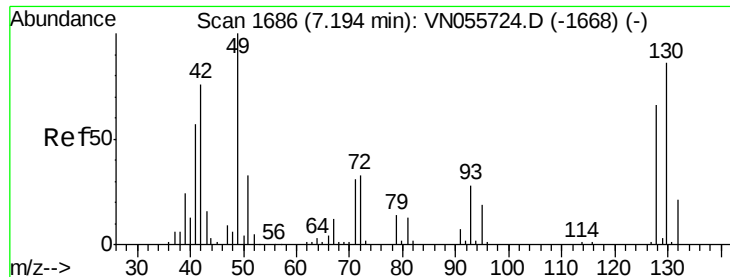
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :
MSVOA_N
ClientSampled :

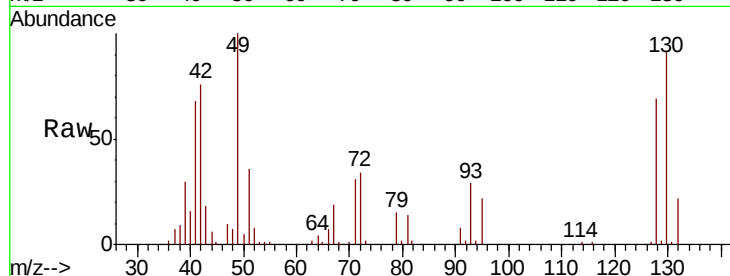
Tot Ion:128 Resp: 51488

Ion Ratio Lower Upper

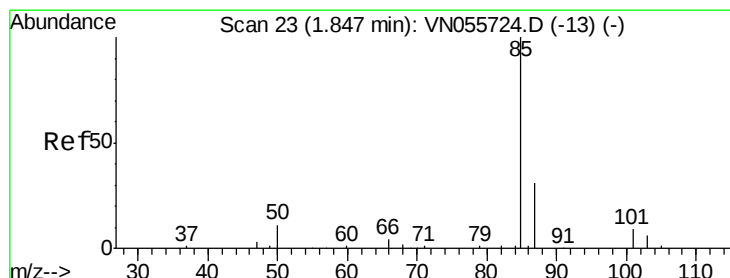
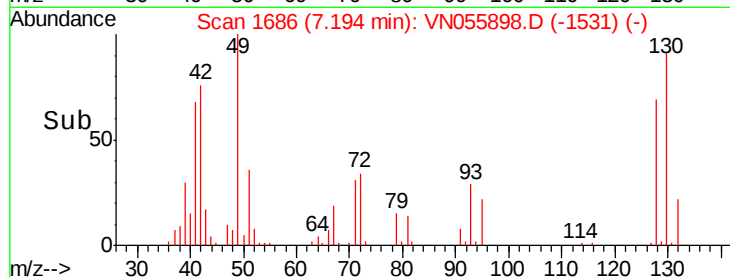
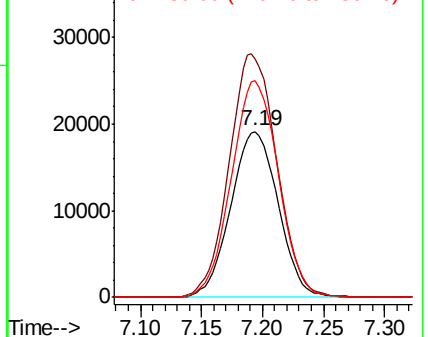
128 100

49 147.8 0.0 383.2

130 130.3 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.848 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055898.D

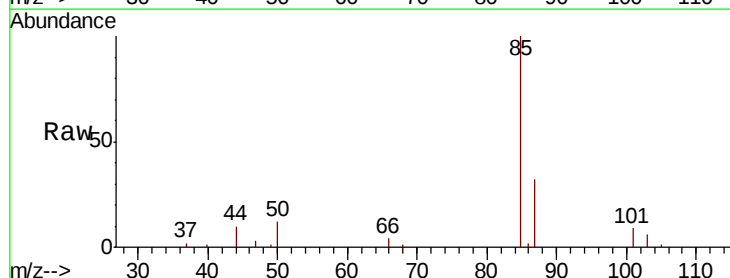
Acq: 30 May 2019 14:13

Tgt Ion: 85 Resp: 42549

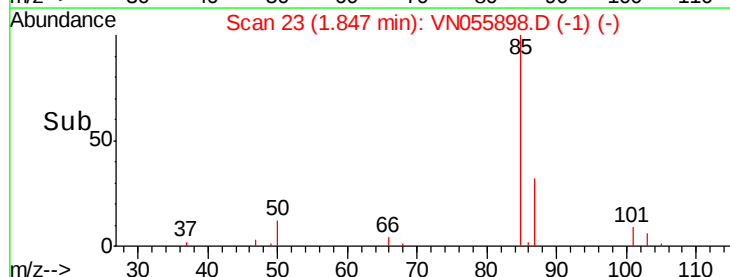
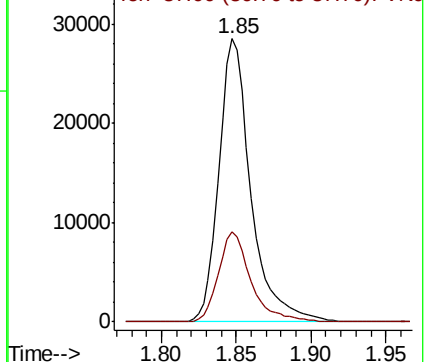
Ion Ratio Lower Upper

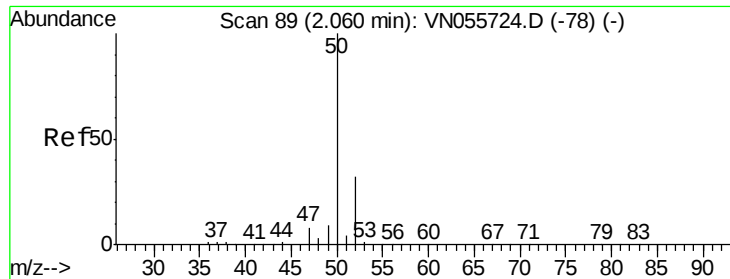
85 100

87 31.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.046 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

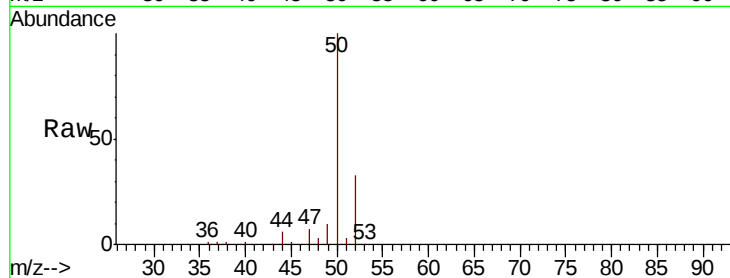
ClientSampleId :

Tot Ion: 50 Resp: 61159

Ion Ratio Lower Upper

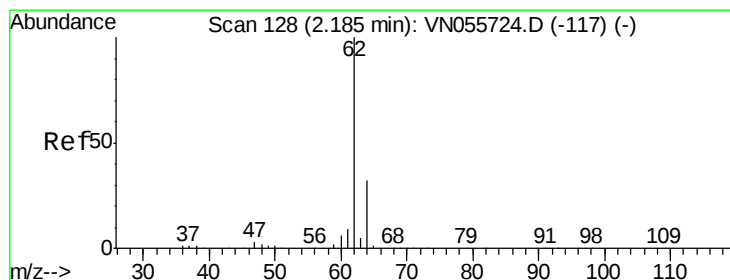
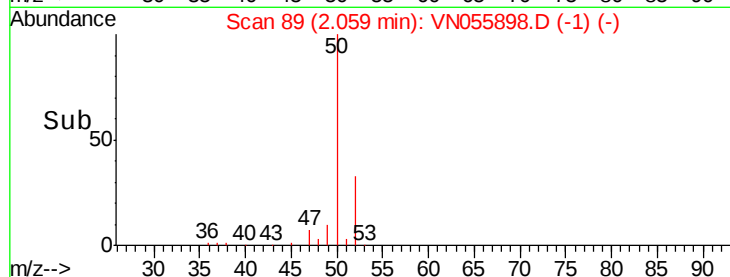
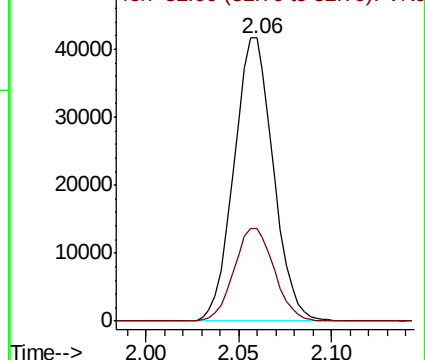
50 100

52 32.6 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.357 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055898.D

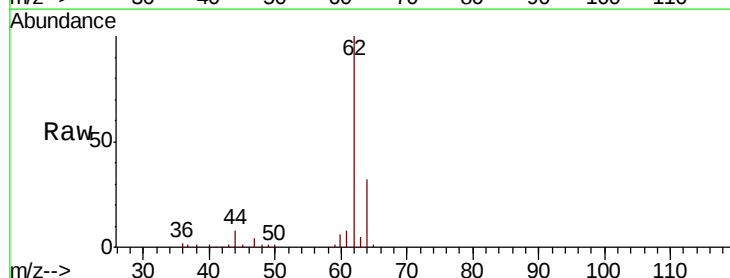
Acq: 30 May 2019 14:13

Tgt Ion: 62 Resp: 63438

Ion Ratio Lower Upper

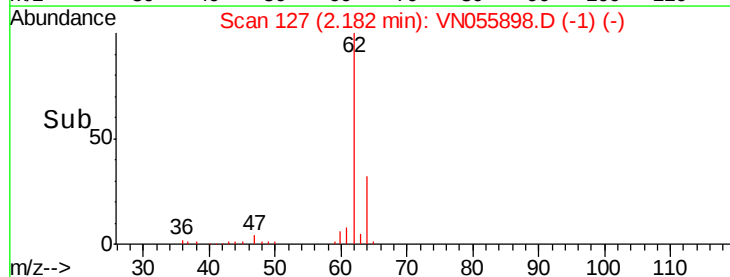
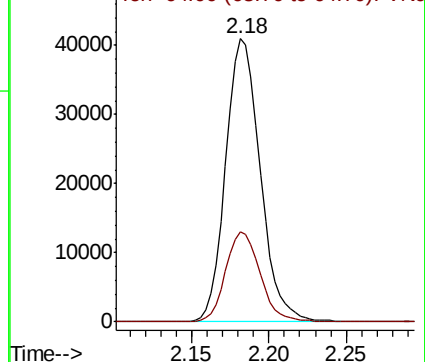
62 100

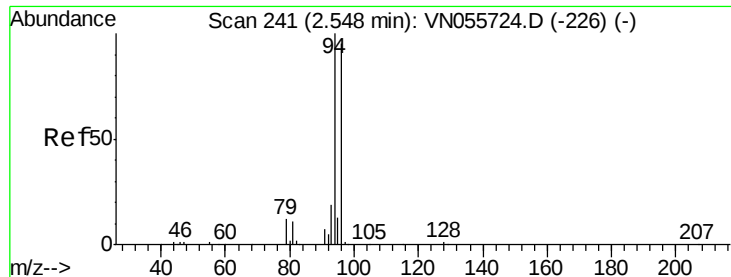
64 31.9 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

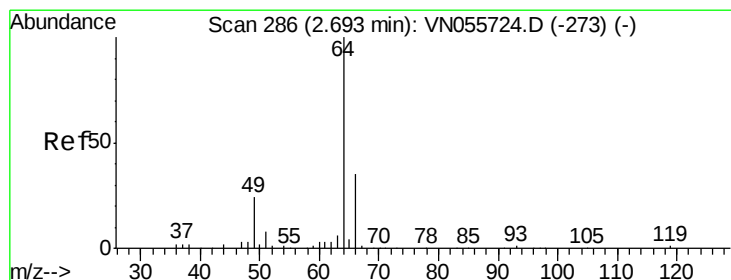
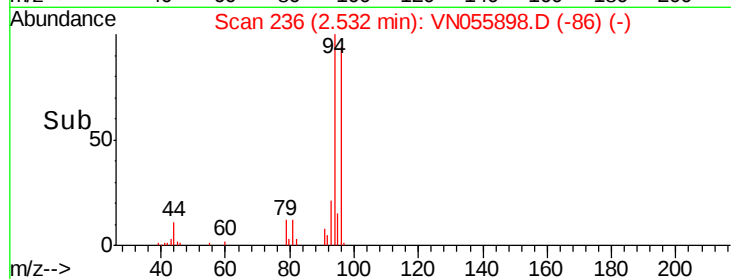
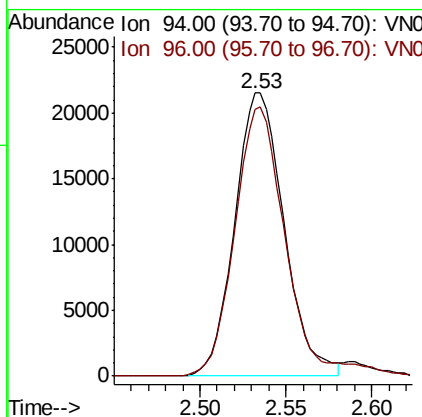
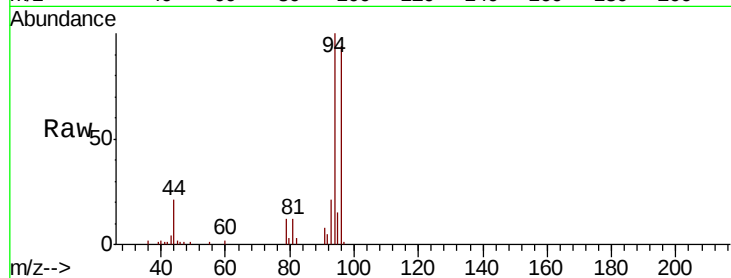




#5
Bromomethane
Concen: 22.388 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.02 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

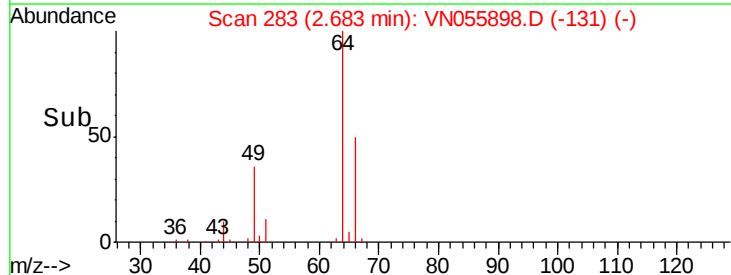
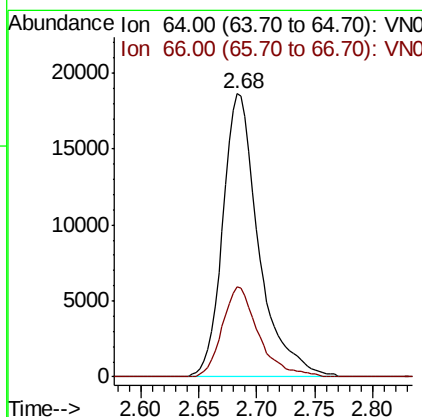
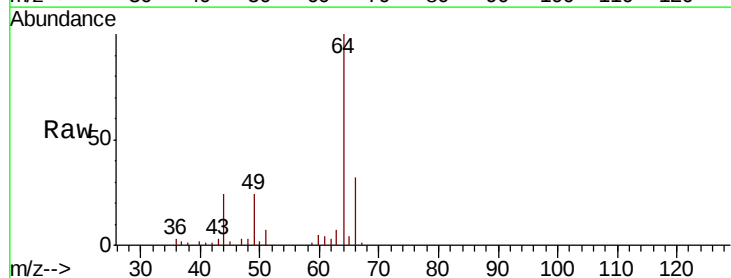
Instrument :
MSVOA_N
ClientSampleId :

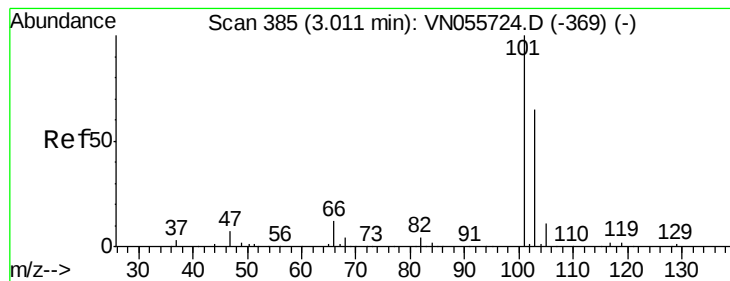
Tot Ion: 94 Resp: 42958
Ion Ratio Lower Upper
94 100
96 93.7 75.8 113.8



#6
Chloroethane
Concen: 20.911 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 64 Resp: 40034
Ion Ratio Lower Upper
64 100
66 31.7 27.9 41.9



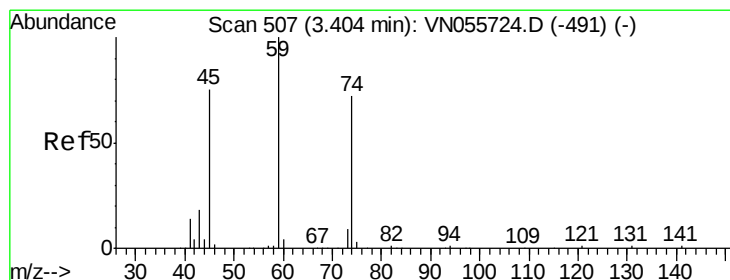
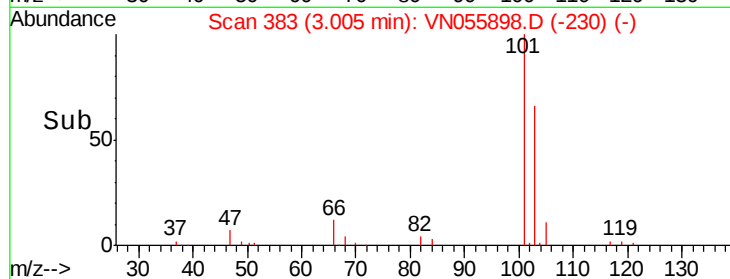
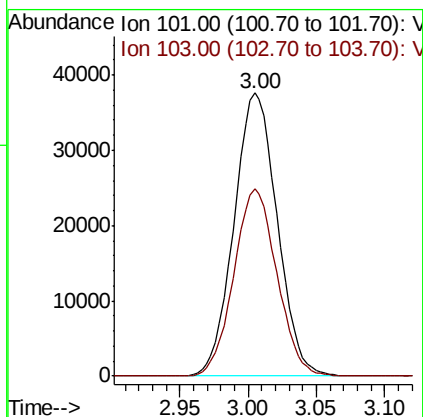
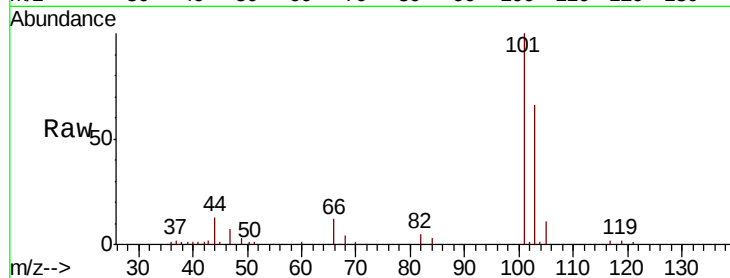


#7

Trichlorofluoromethane
 Concen: 20.132 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Instrument :
 MSVOA_N
 ClientSampled :

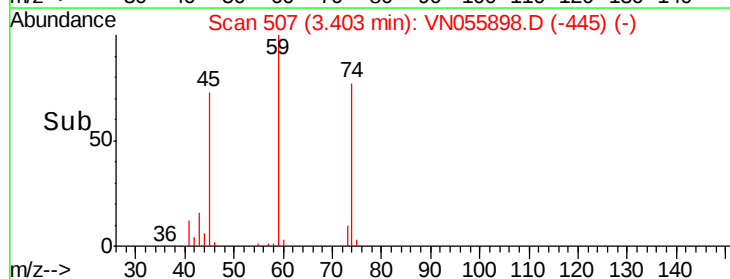
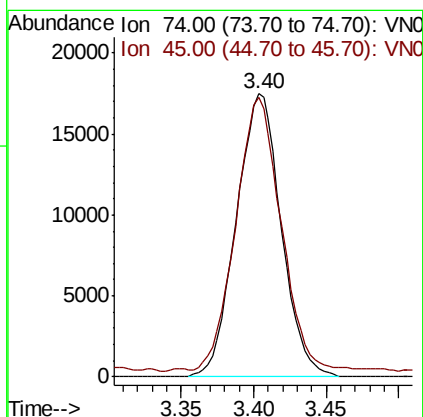
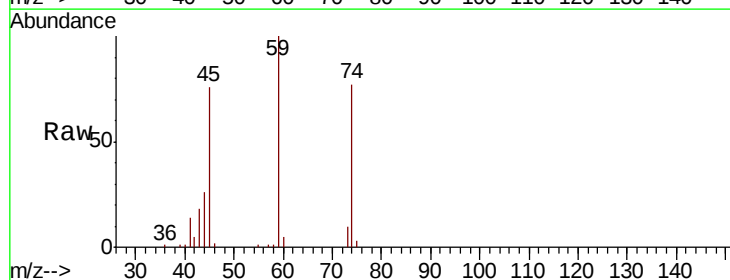
Tot Ion:101 Resp: 82772
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.6 78.8

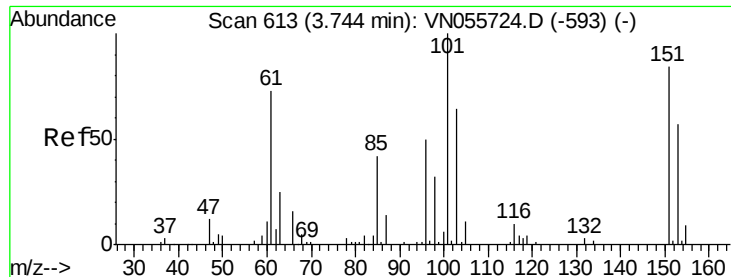


#8

Diethyl Ether
 Concen: 20.861 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion: 74 Resp: 37705
 Ion Ratio Lower Upper
 74 100
 45 95.7 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.219 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

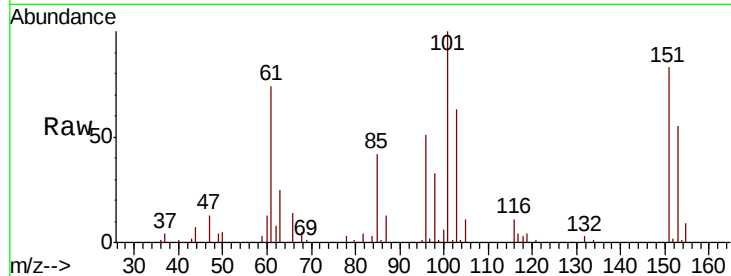
Tot Ion:101 Resp: 52526

Ion Ratio Lower Upper

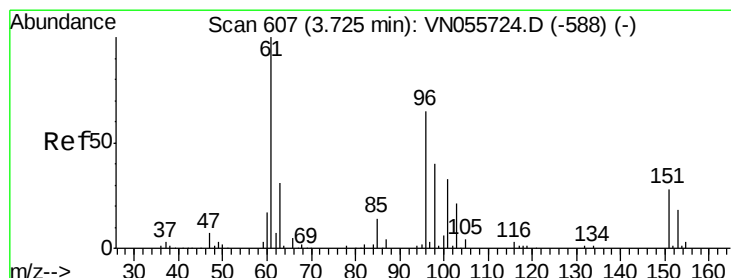
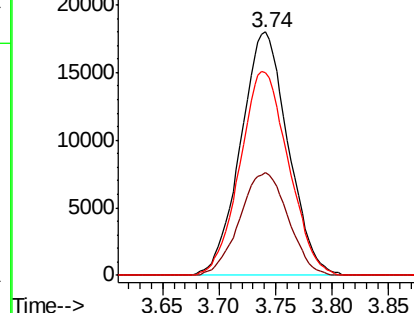
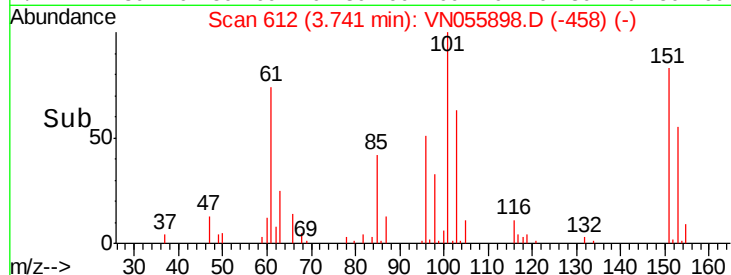
101 100

85 43.0 0.0 86.6

151 85.4 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.401 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

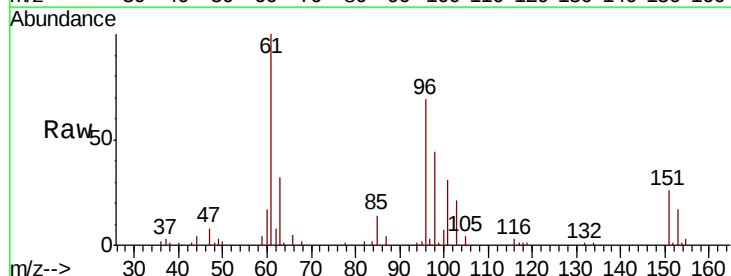
Tgt Ion: 96 Resp: 52727

Ion Ratio Lower Upper

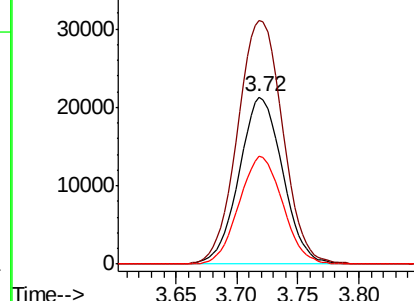
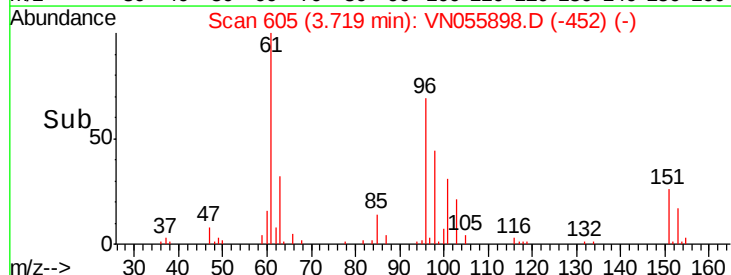
96 100

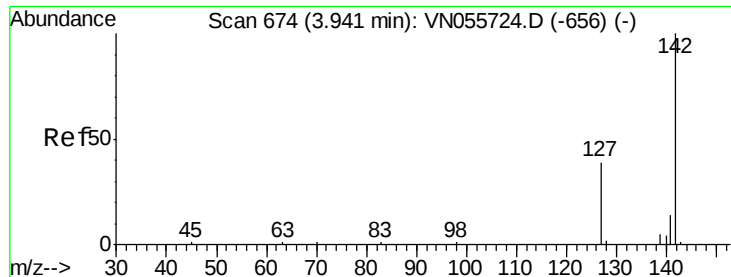
61 144.9 123.7 185.5

98 64.4 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VN
Ion 61.00 (60.70 to 61.70): VN
Ion 98.00 (97.70 to 98.70): VN

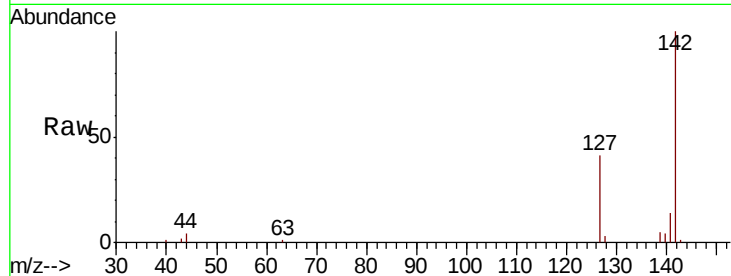




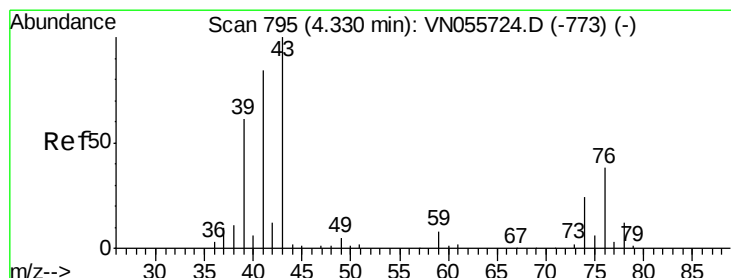
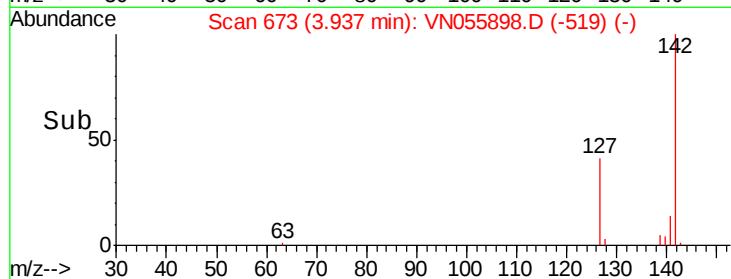
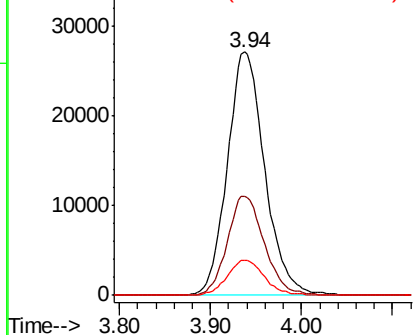
#11
Methyl Iodide
Concen: 19.929 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 77265
Ion Ratio Lower Upper
142 100
127 40.7 19.6 58.7
141 14.5 6.9 20.6

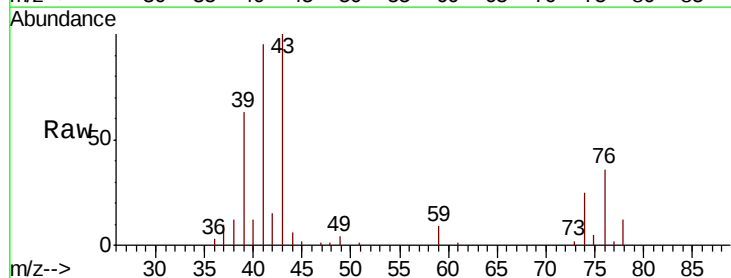


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

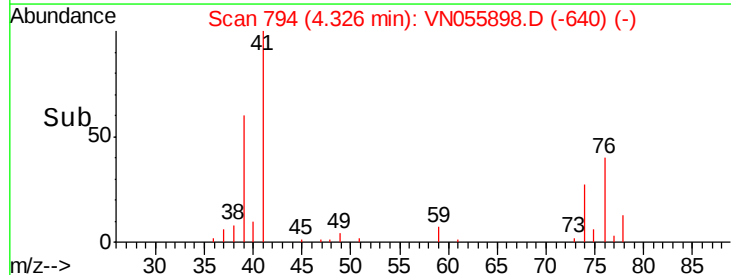
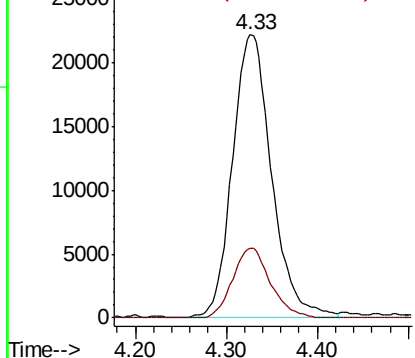


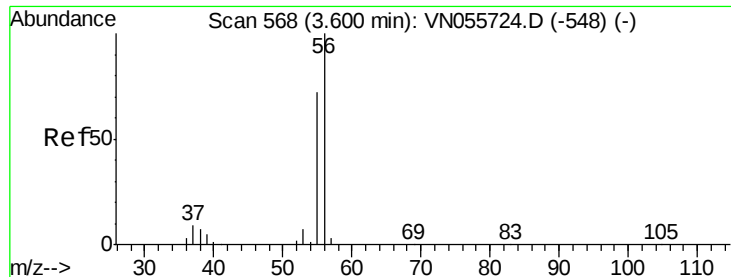
#12
Methyl Acetate
Concen: 19.987 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 43 Resp: 66432
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 92.251 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

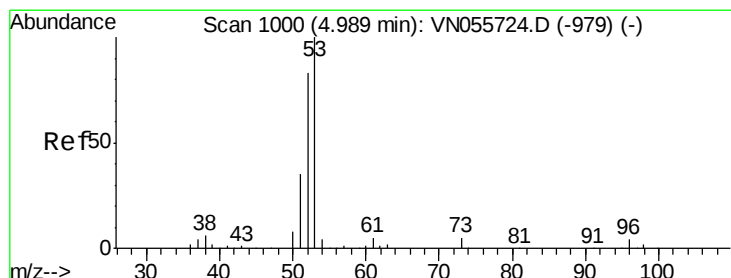
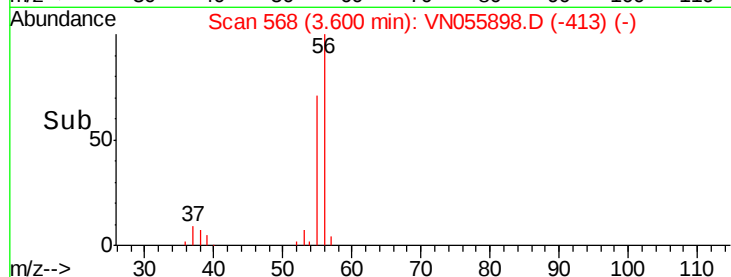
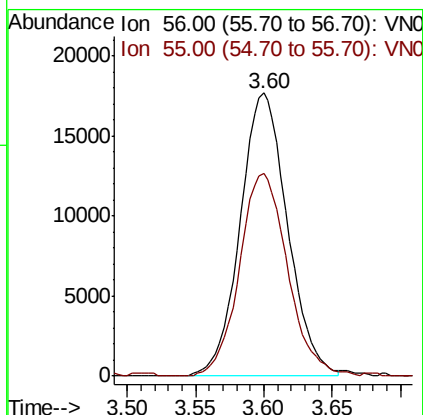
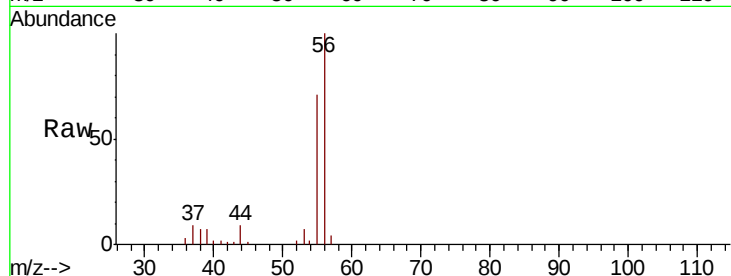
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 42605

Ion Ratio Lower Upper

56 100

55 72.4 57.0 85.6



#14

Acrylonitrile

Concen: 98.454 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

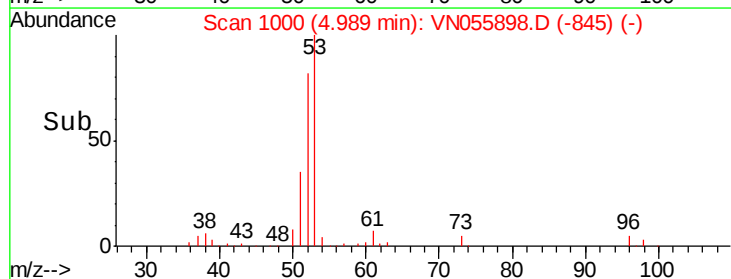
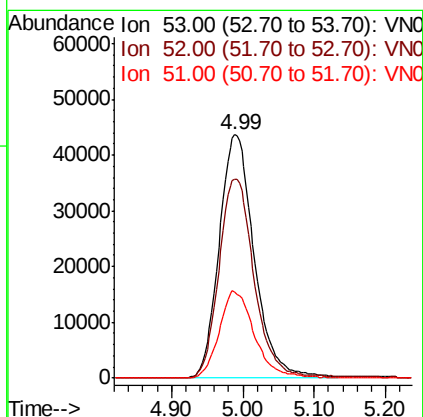
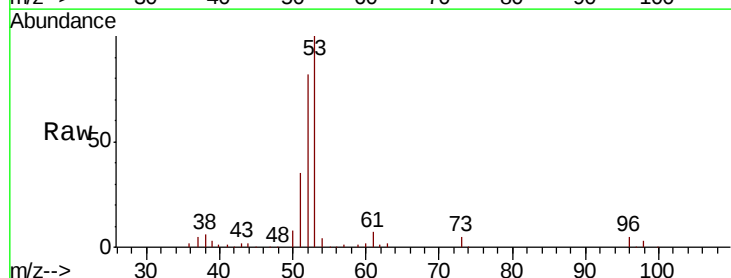
Tgt Ion: 53 Resp: 149194

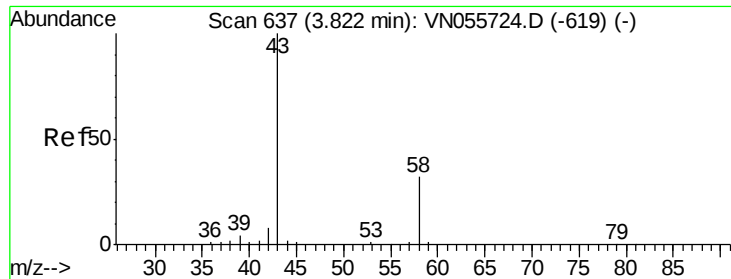
Ion Ratio Lower Upper

53 100

52 81.4 41.1 123.4

51 35.8 17.5 52.6

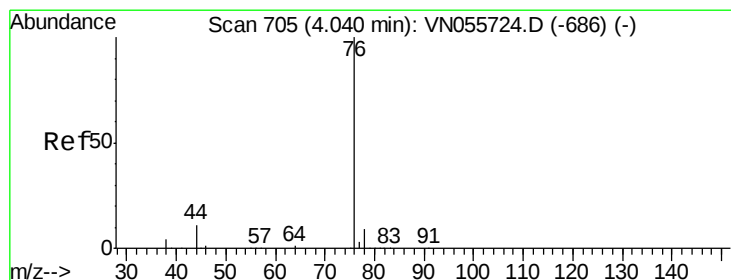
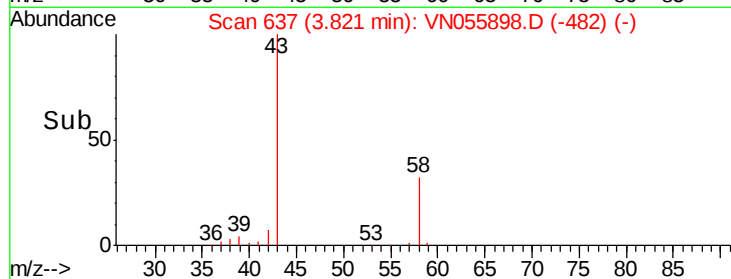
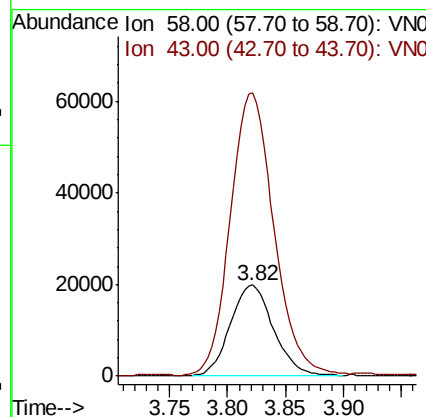
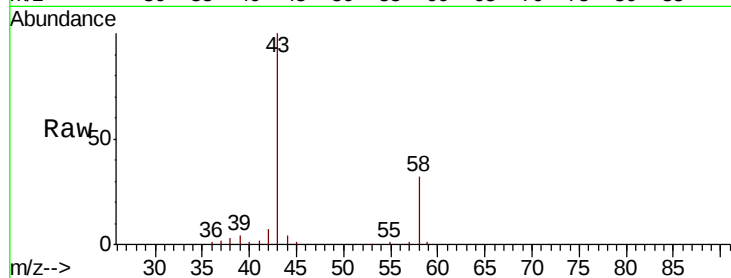




#15
Acetone
Concen: 109.788 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

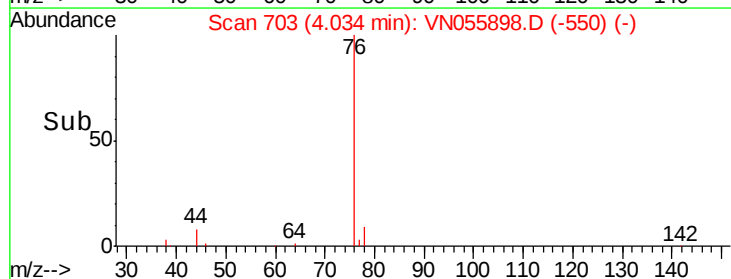
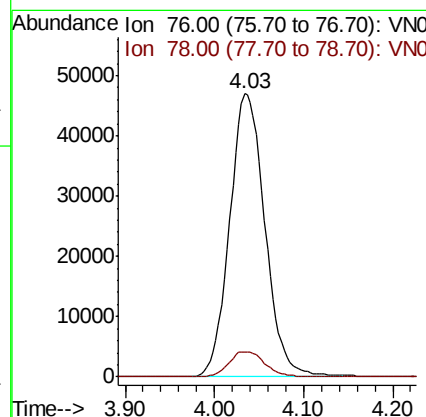
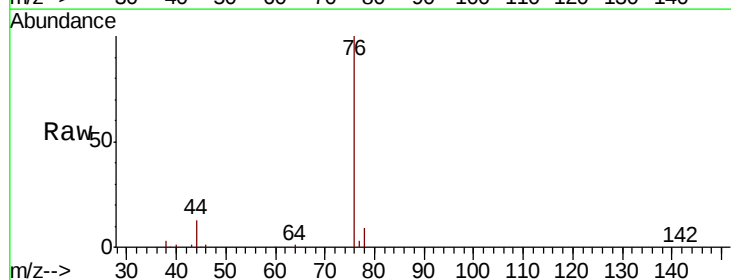
Instrument :
MSVOA_N
ClientSampleId :

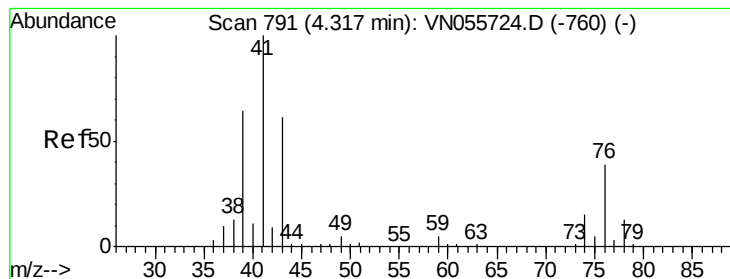
Tot Ion: 58 Resp: 51669
Ion Ratio Lower Upper
58 100
43 308.7 248.8 373.2



#16
Carbon Disulfide
Concen: 16.544 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 76 Resp: 128914
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0





#17

Allvl chloride

Concen: 17.981 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

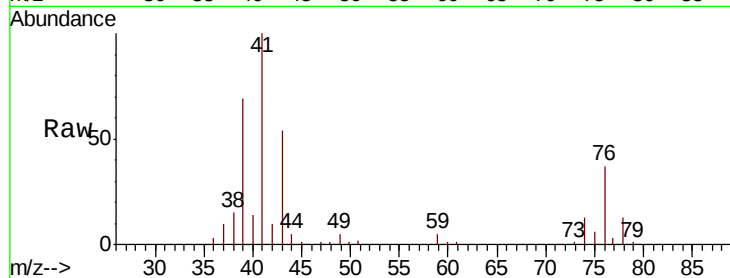
Tot Ion: 41 Resp: 88013

Ion Ratio Lower Upper

41 100

39 68.8 31.8 95.3

76 36.7 19.3 57.9

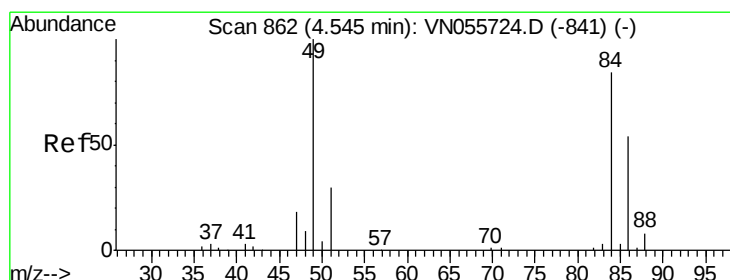
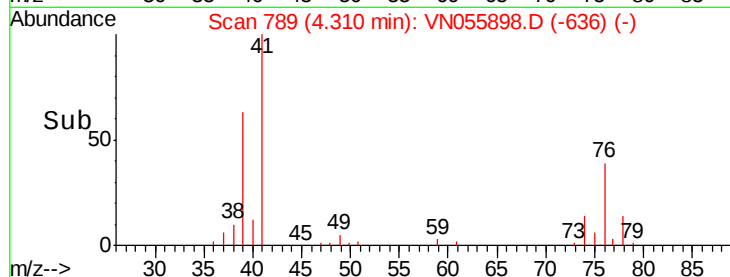
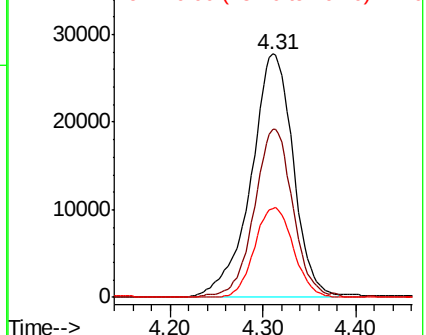


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.854 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Tgt Ion: 84 Resp: 61796

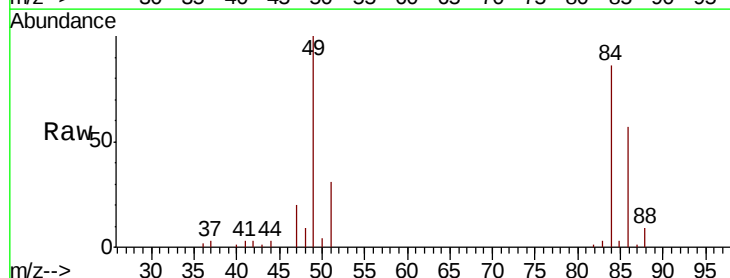
Ion Ratio Lower Upper

84 100

49 116.2 94.7 142.1

51 35.5 28.6 43.0

86 66.3 51.0 76.6



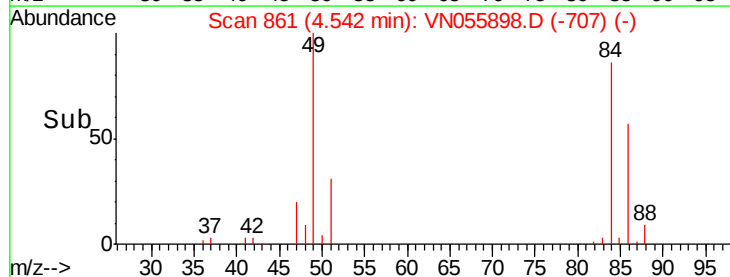
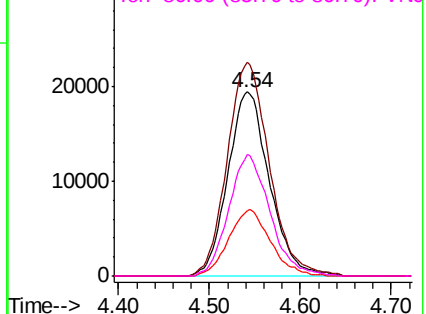
Abundance

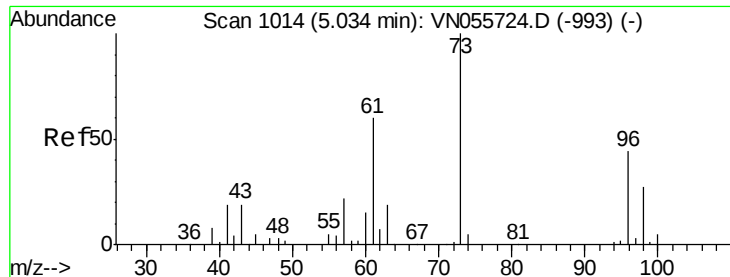
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

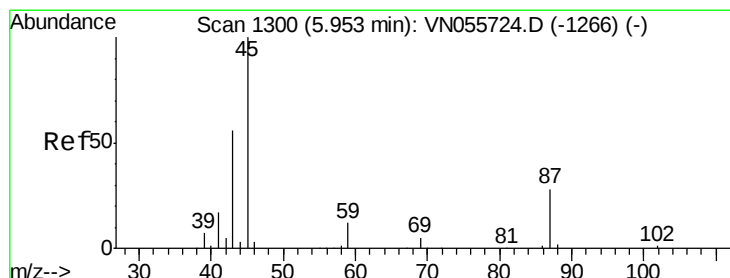
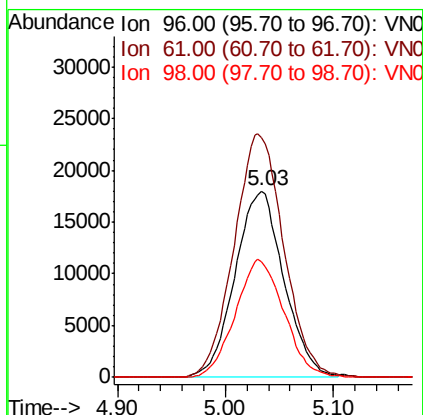
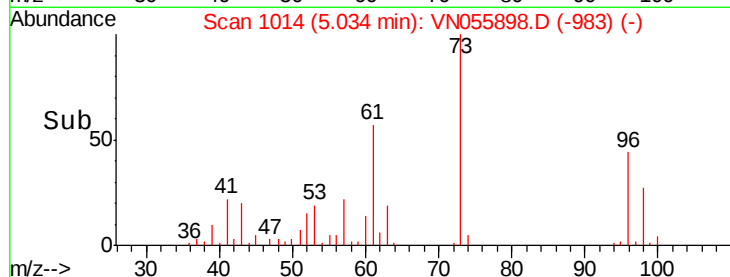
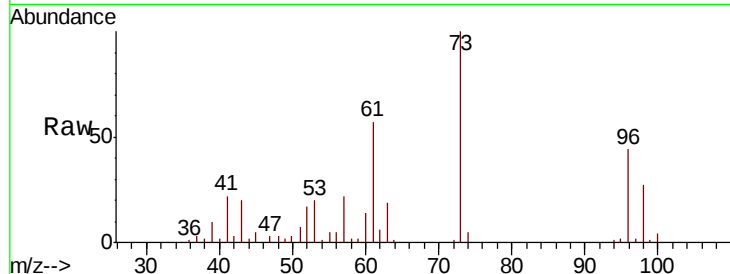




#19
trans-1,2-Dichloroethene
Concen: 19.370 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

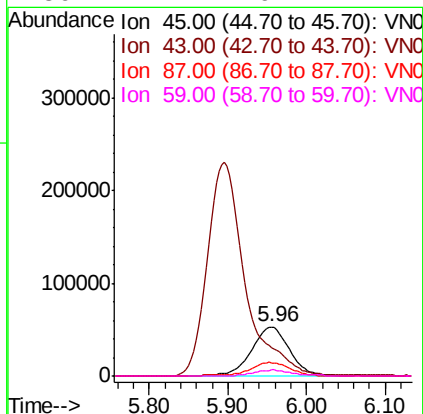
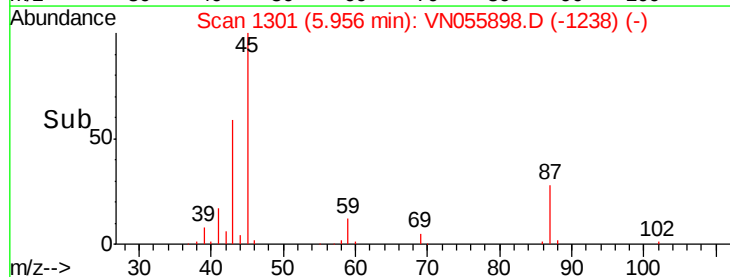
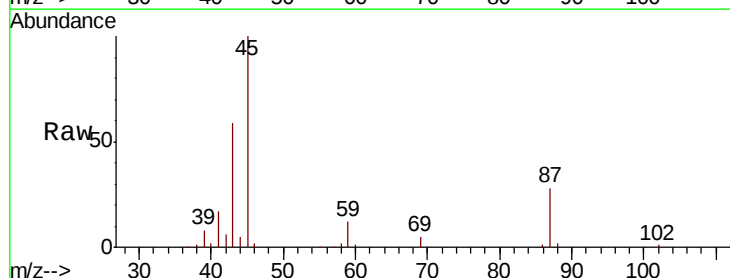
Instrument :
MSVOA_N
ClientSampleId :

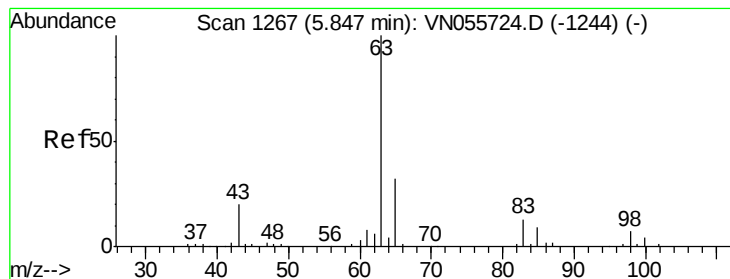
Tot Ion: 96 Resp: 56629
Ion Ratio Lower Upper
96 100
61 127.2 108.5 162.7
98 62.0 49.4 74.2



#20
Diisopropyl ether
Concen: 18.990 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 45 Resp: 180309
Ion Ratio Lower Upper
45 100
43 56.0 48.6 73.0
87 27.1 22.6 34.0
59 12.1 9.4 14.2





#21

1,1-Dichloroethane

Concen: 19.377 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

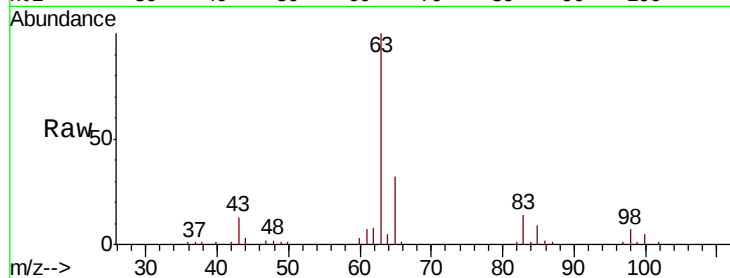
Tot Ion: 63 Resp: 103984

Ion Ratio Lower Upper

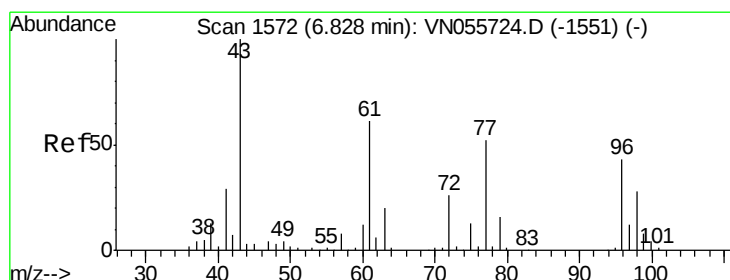
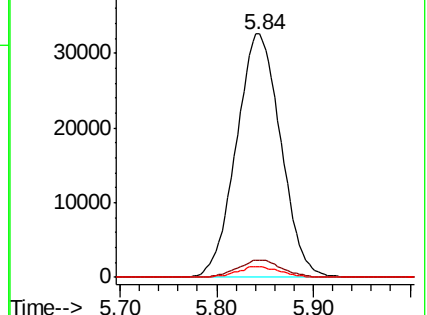
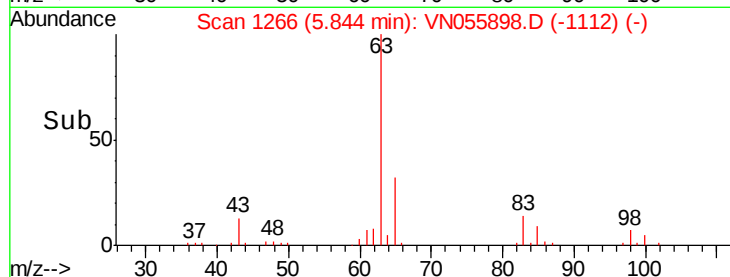
63 100

98 7.0 3.4 10.2

100 4.6 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055898.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.731 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

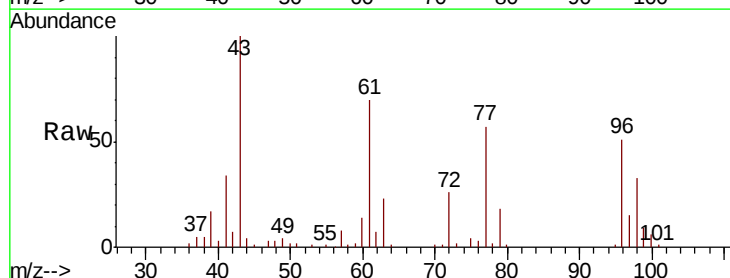
Tgt Ion: 96 Resp: 67276

Ion Ratio Lower Upper

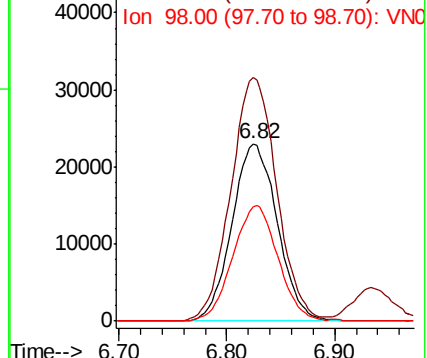
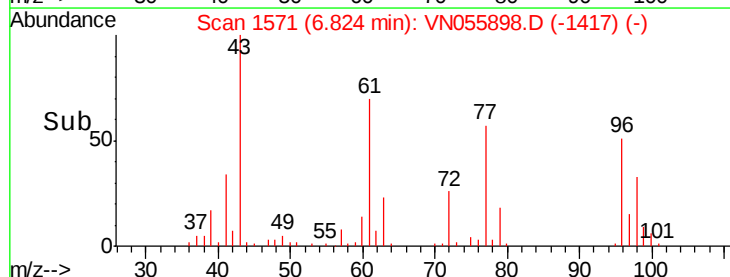
96 100

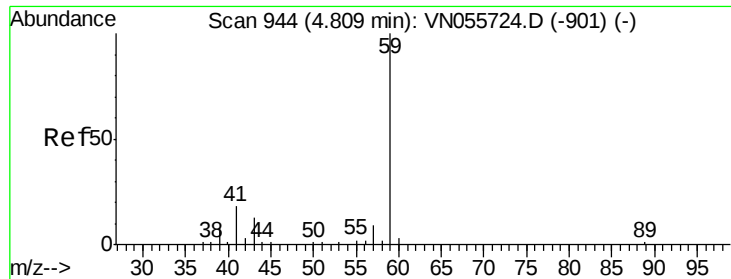
61 139.0 115.7 173.5

98 64.9 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN055898.D (-1417) (-)



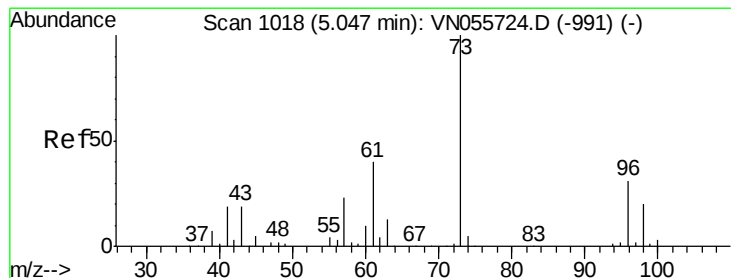
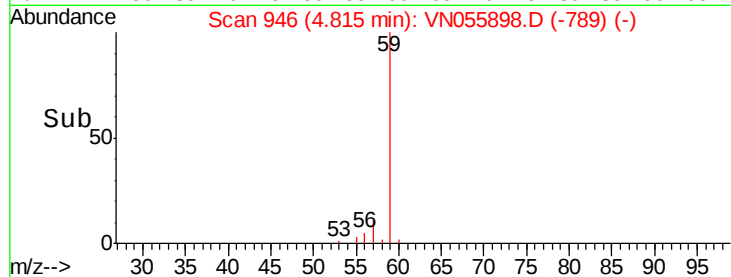
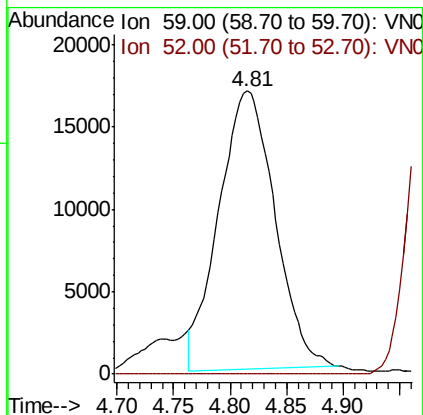
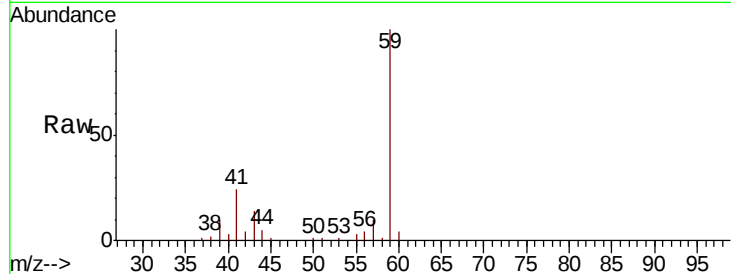


#23

tert-Butyl Alcohol
 Concen: 87.927 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Instrument :
 MSVOA_N
 ClientSampleId :

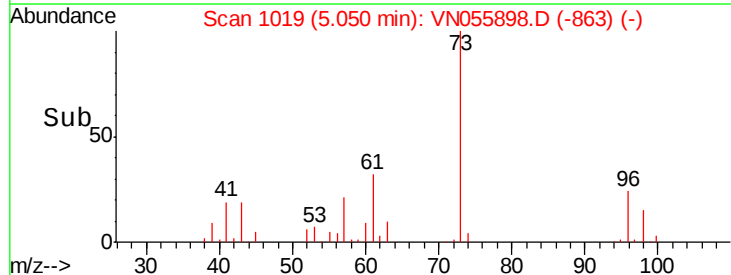
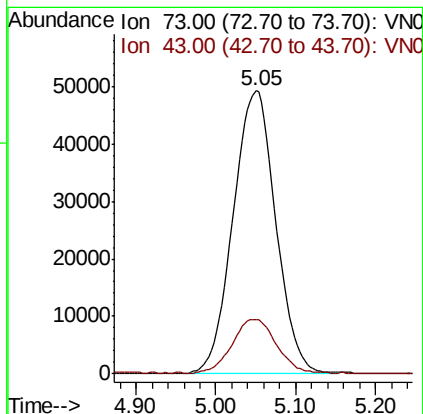
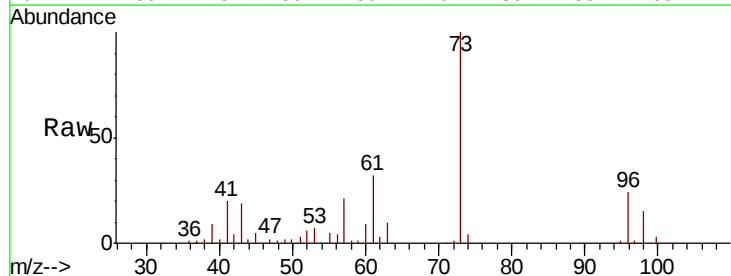
Tot Ion: 59 Resp: 58517
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

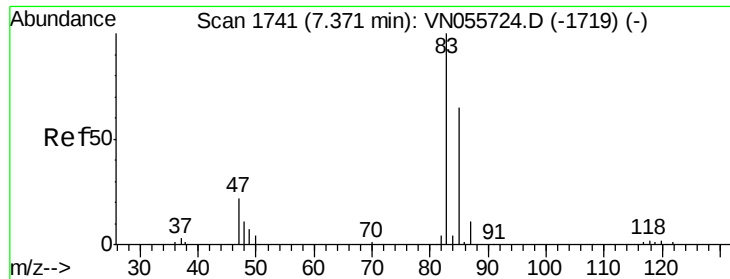


#24

Methyl tert-Butyl Ether
 Concen: 19.378 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion: 73 Resp: 178697
 Ion Ratio Lower Upper
 73 100
 43 20.3 15.7 23.5





#25

Chloroform

Concen: 19.633 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

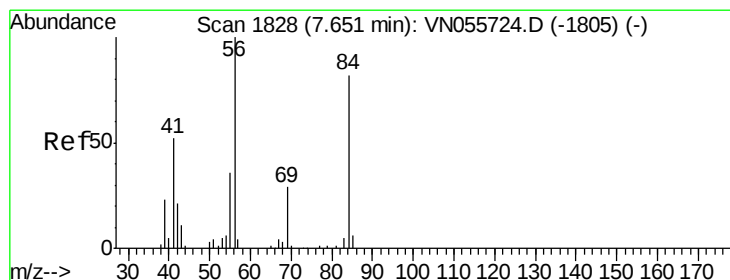
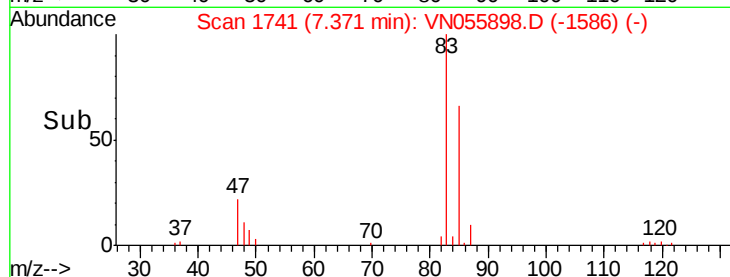
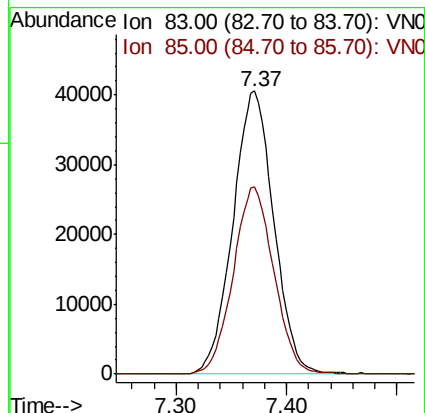
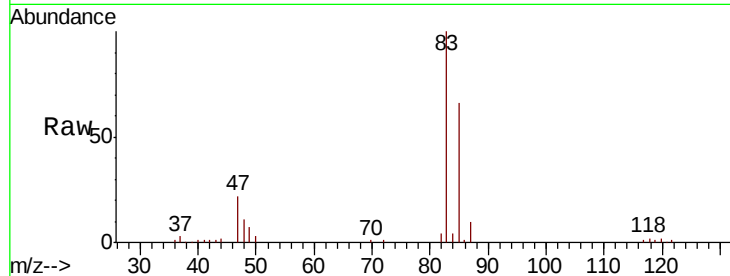
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 104060

Ion Ratio Lower Upper

83 100

85 66.4 51.7 77.5



#26

Cyclohexane

Concen: 18.995 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

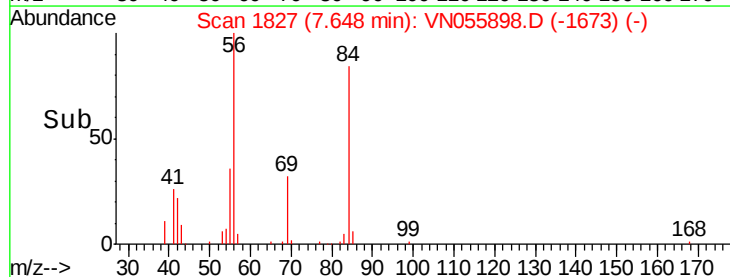
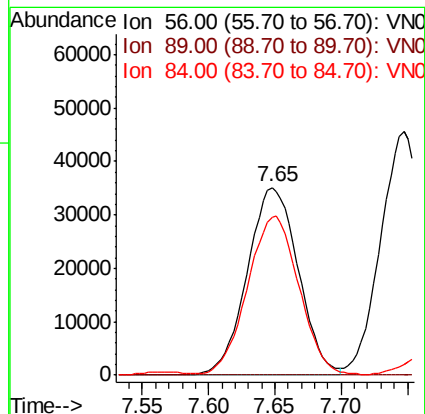
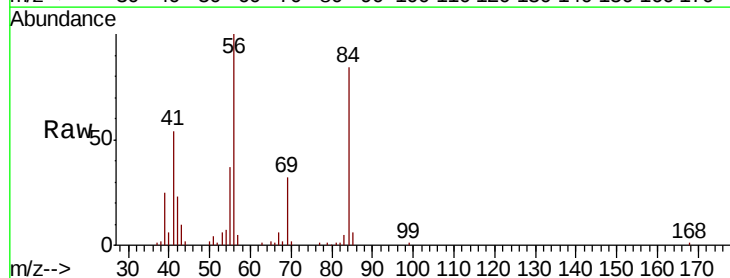
Tgt Ion: 56 Resp: 94041

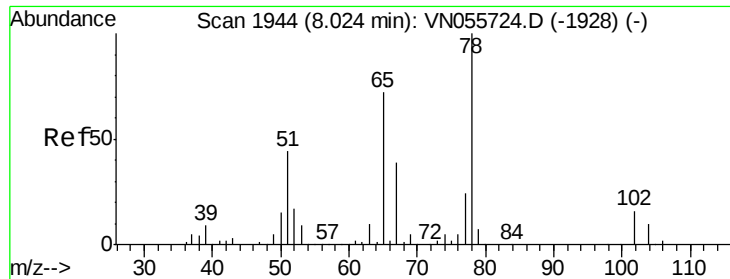
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.7 67.2 100.8

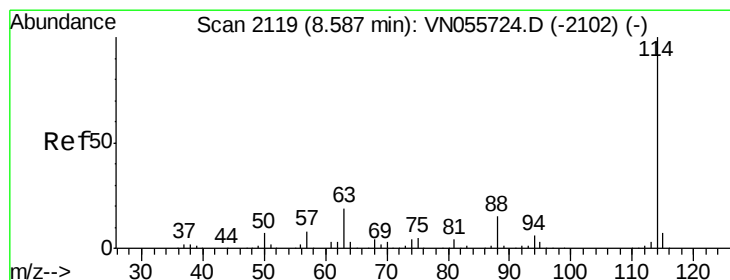
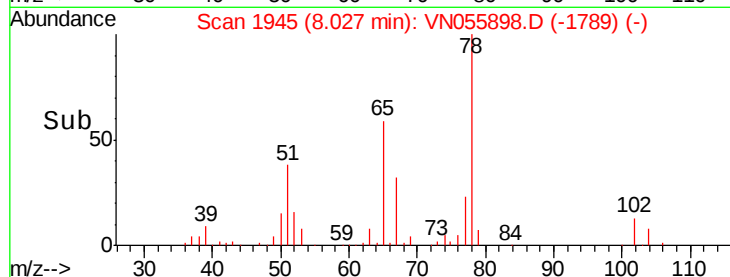
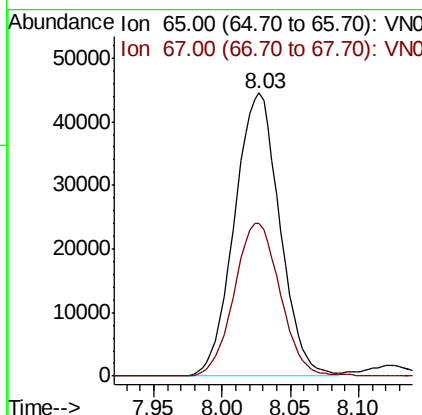
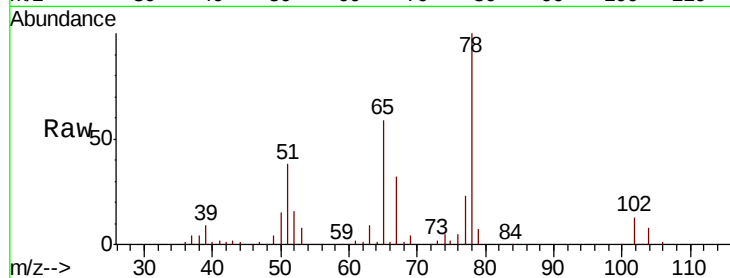




#27
 1,2-Dichloroethane-d4
 Concen: 30.474 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

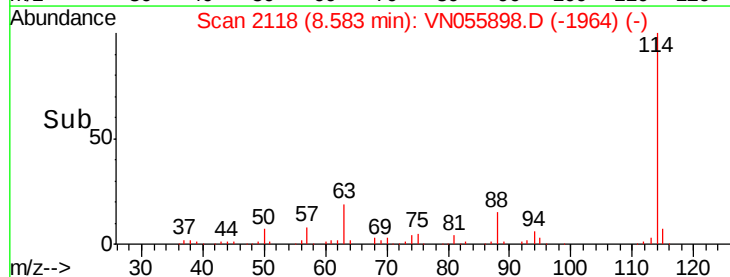
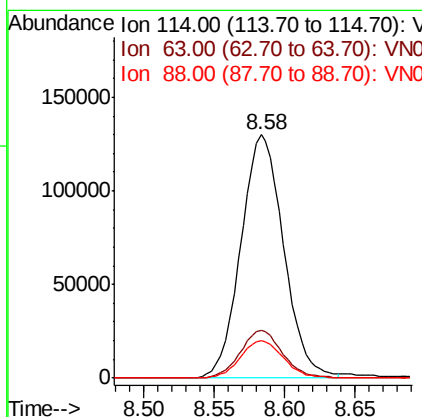
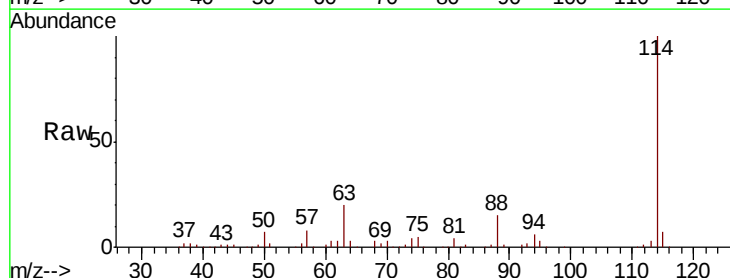
Instrument :
 MSVOA_N
 ClientSampleId :

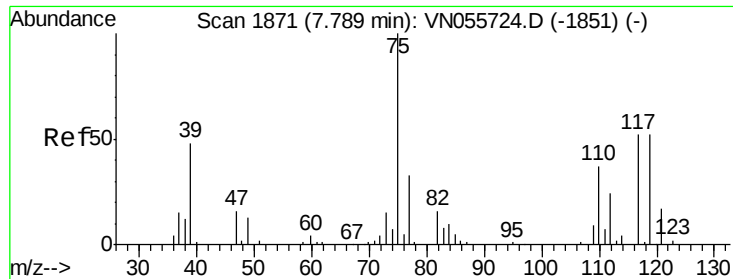
Tot Ion: 65 Resp: 102559
 Ion Ratio Lower Upper
 65 100
 67 55.0 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion: 114 Resp: 275741
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.5 12.3 18.5

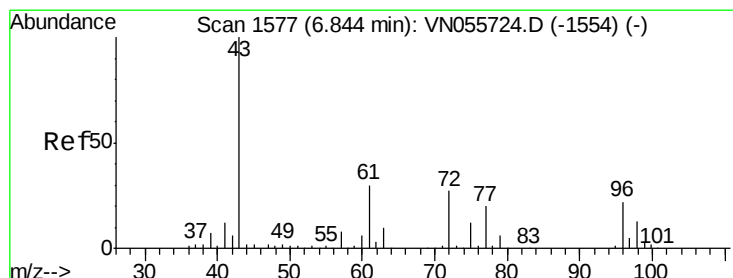
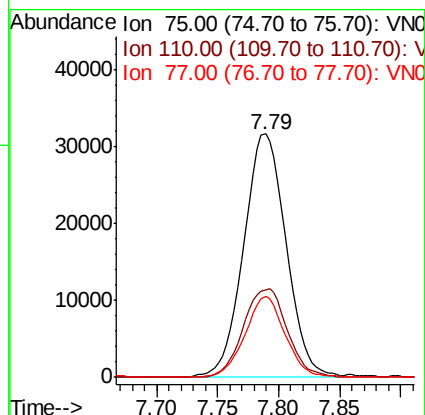
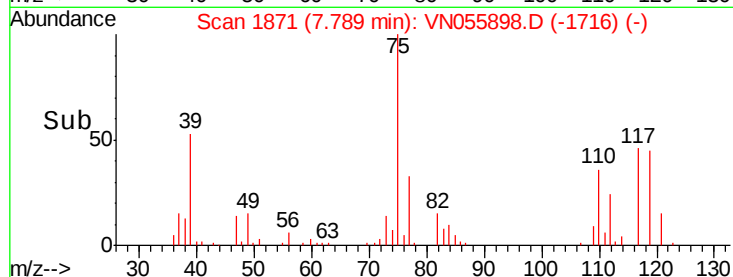
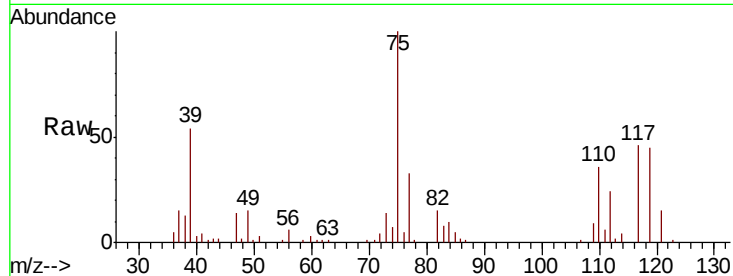




#29
 1,1-Dichloropropene
 Concen: 19.775 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

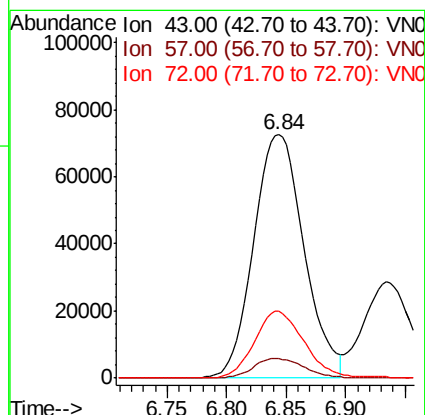
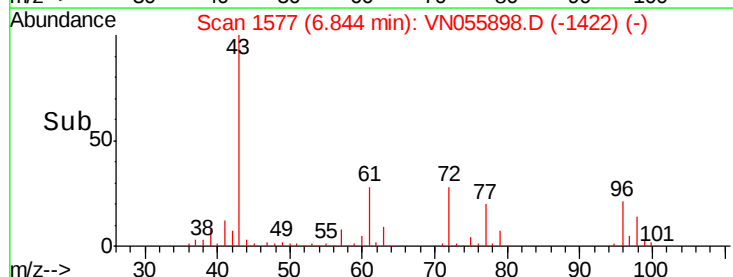
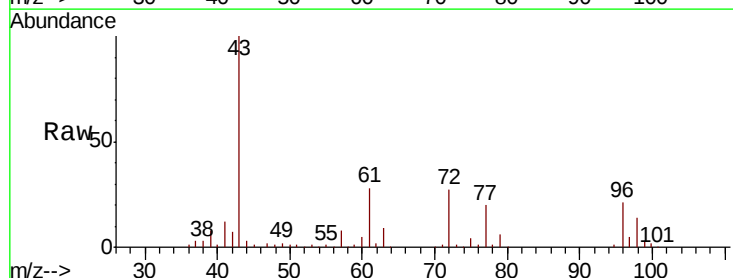
Instrument :
 MSVOA_N
 ClientSampled :

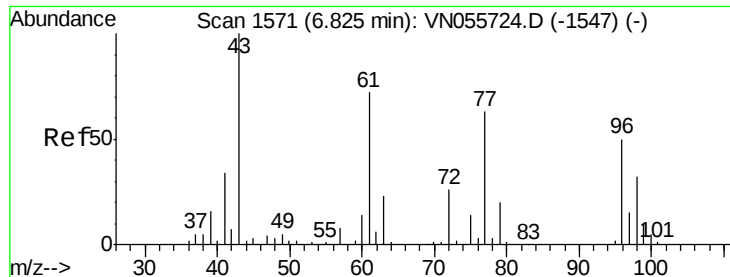
Tot Ion	75	Resp	76336
Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	74.8
77	31.3	0.0	65.2



#30
 2-Butanone
 Concen: 102.990 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion	43	Resp	211899
Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	10.0
72	27.6	21.7	32.5





#31

2,2-Dichloropropane

Concen: 18.642 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

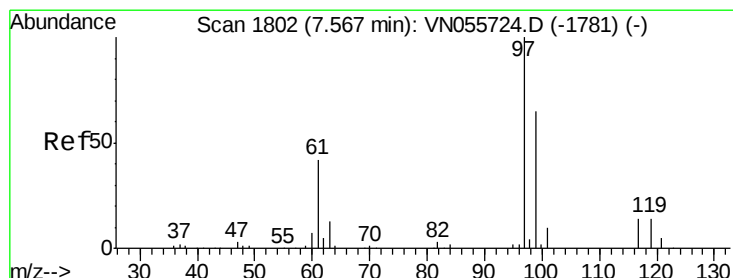
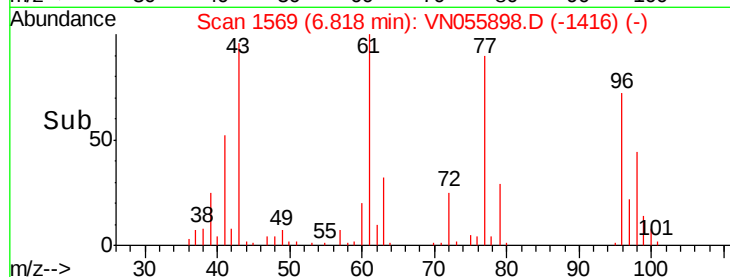
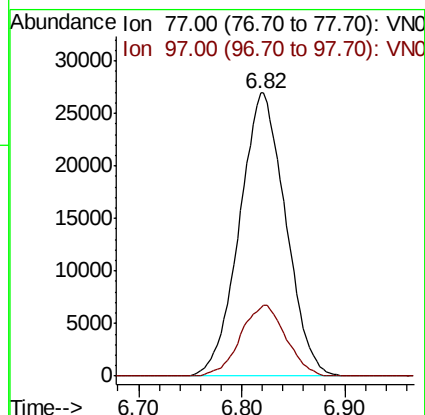
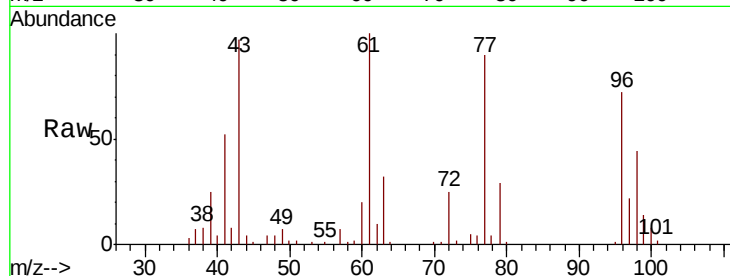
ClientSampled :

Tot Ion: 77 Resp: 83741

Ion Ratio Lower Upper

77 100

97 24.6 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 19.272 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

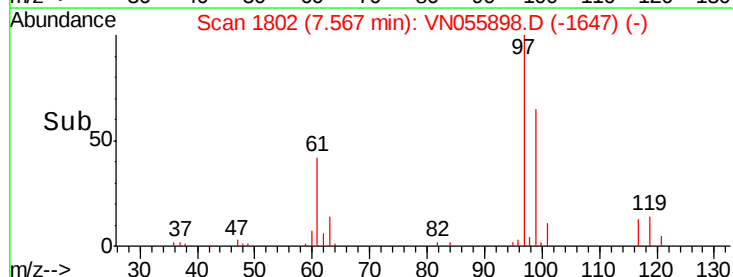
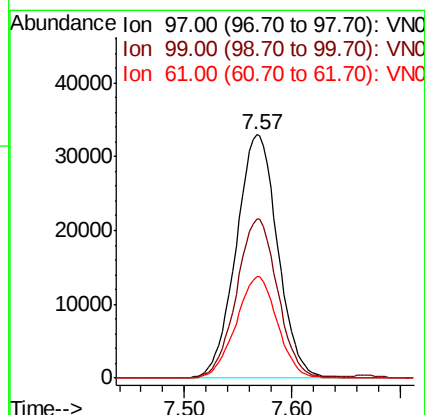
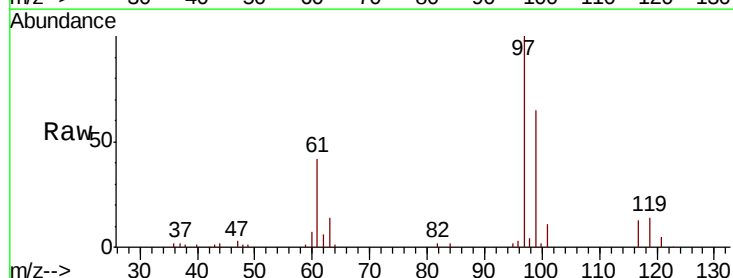
Tgt Ion: 97 Resp: 88176

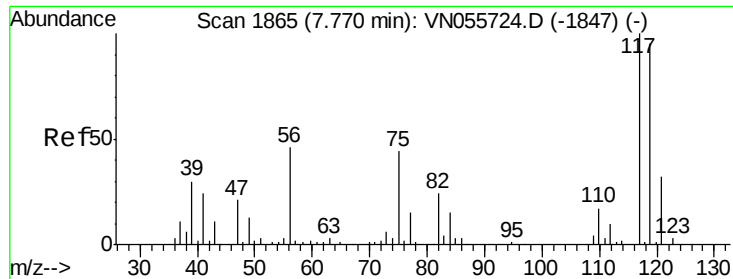
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 41.5 33.1 49.7

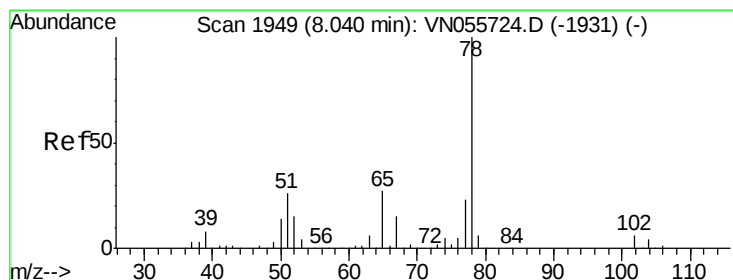
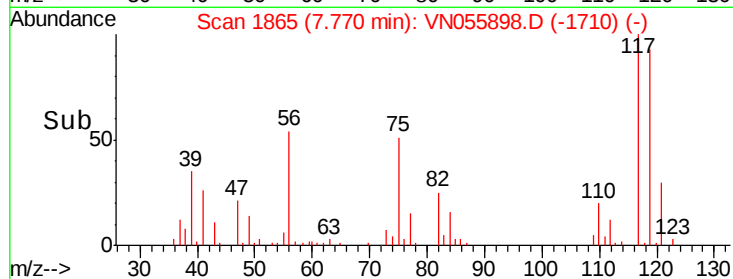
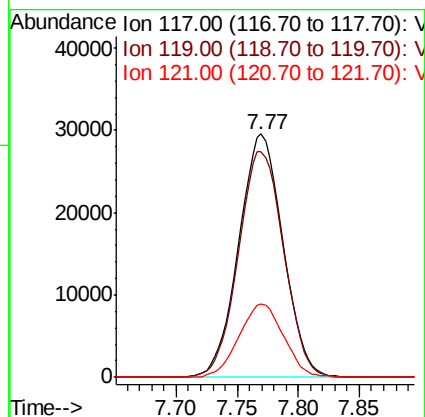
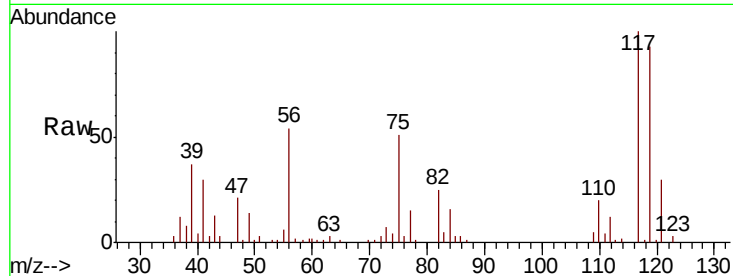




#33
Carbon Tetrachloride
Concen: 18.124 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

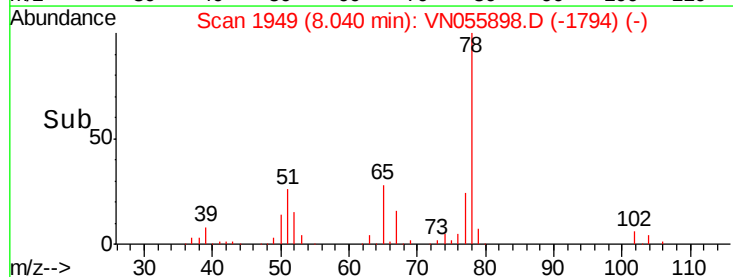
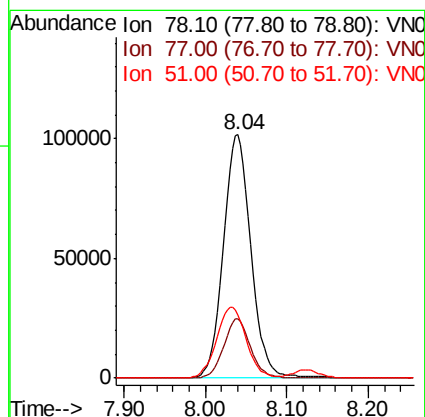
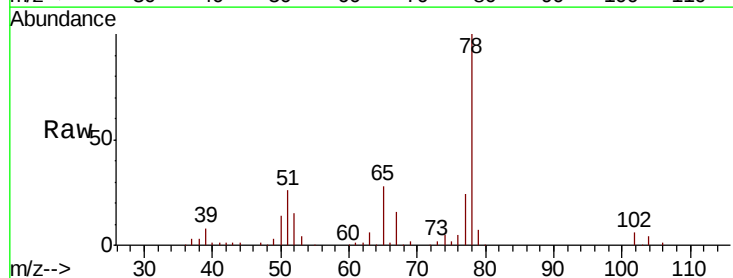
Instrument :
MSVOA_N
ClientSampled :

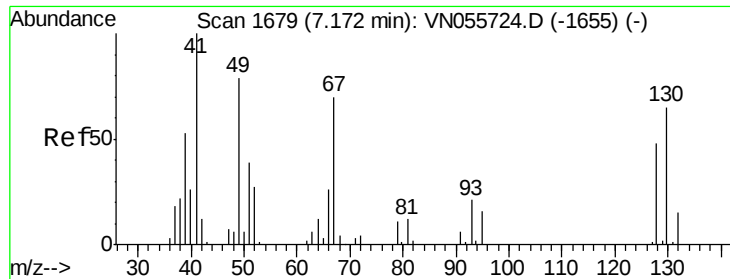
Tot Ion:117 Resp: 74178
Ion Ratio Lower Upper
117 100
119 92.9 75.8 113.8
121 30.3 25.4 38.0



#34
Benzene
Concen: 20.362 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 78 Resp: 242664
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2
51 25.6 20.6 31.0

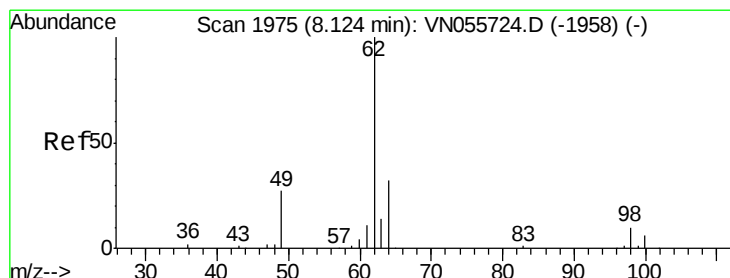
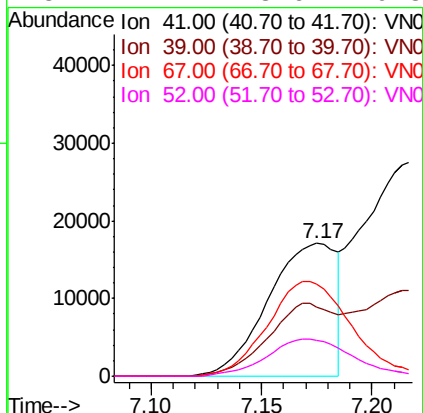
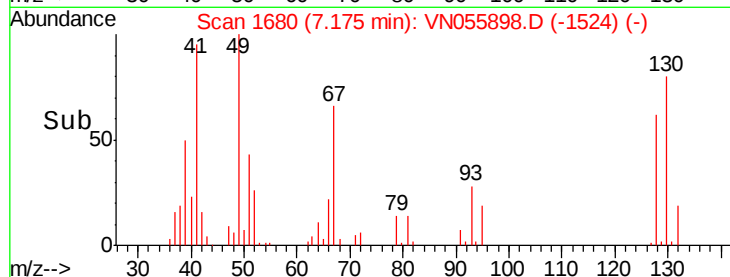
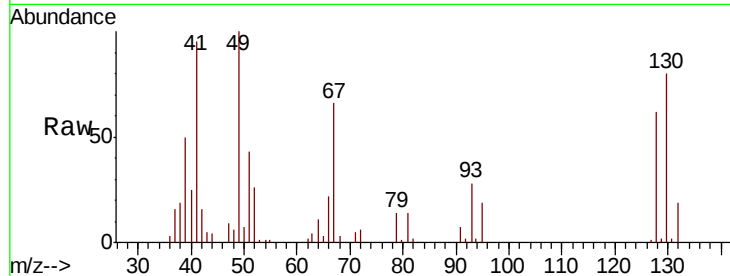




#35
Methacrylonitrile
Concen: 19.407 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

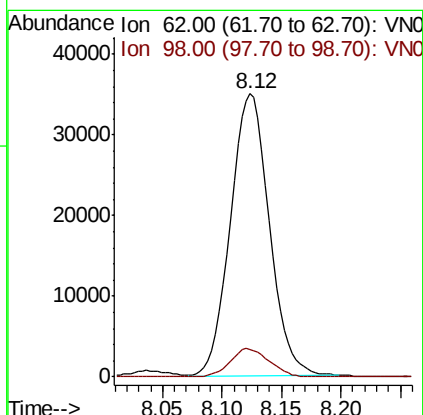
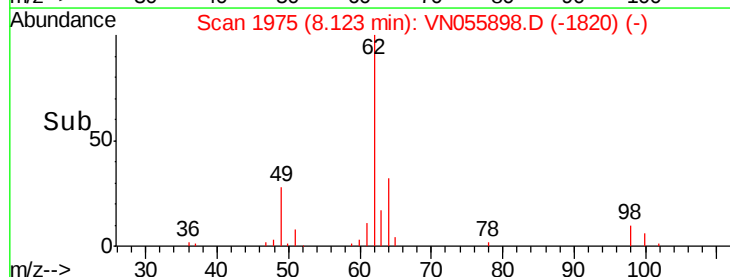
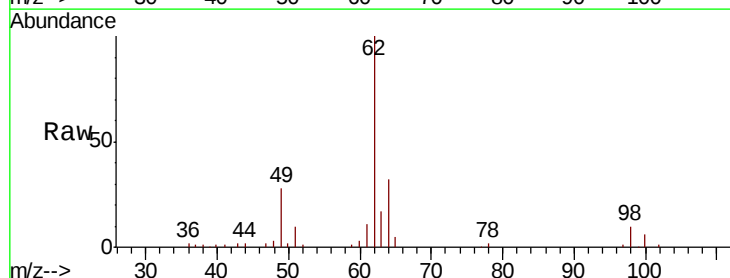
Instrument :
MSVOA_N
ClientSampled :

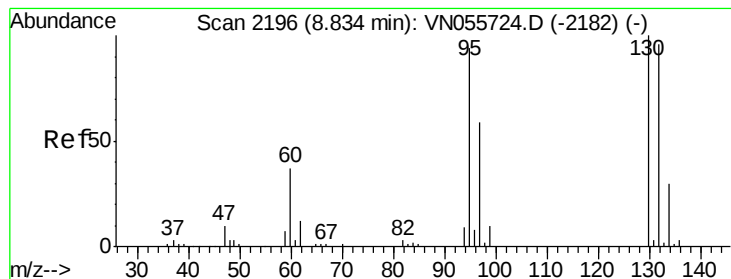
Tot Ion: 41 Resp: 36854
Ion Ratio Lower Upper
41 100
39 52.5 26.7 80.1
67 69.0 34.9 104.7
52 27.2 13.6 40.8



#36
1,2-Dichloroethane
Concen: 20.438 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 62 Resp: 79598
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#37

Trichloroethene

Concen: 20.263 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

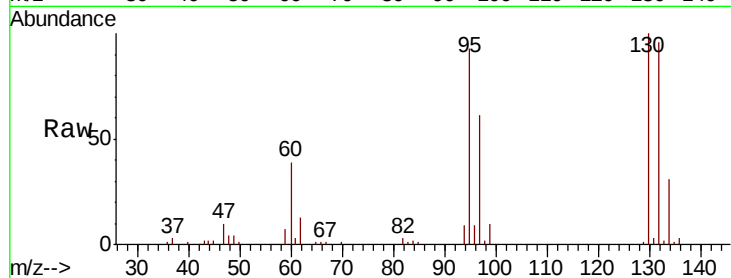
ClientSampleId :

Tot Ion:130 Resp: 67375

Ion Ratio Lower Upper

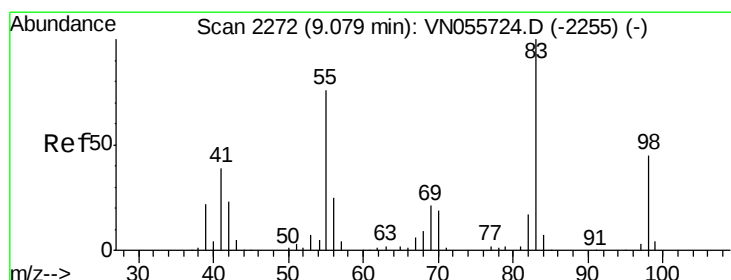
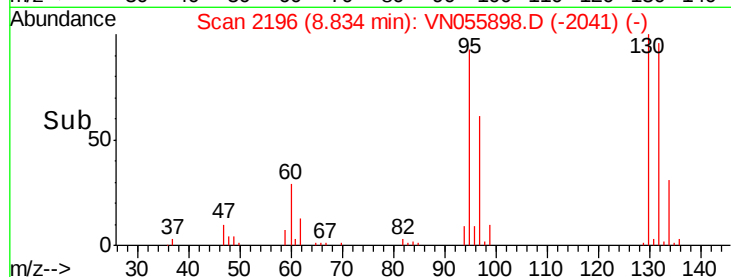
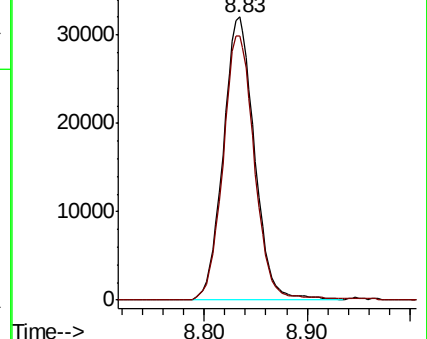
130 100

95 93.4 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.441 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

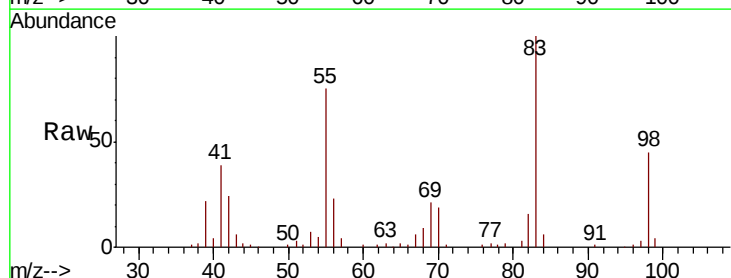
Tgt Ion: 83 Resp: 95080

Ion Ratio Lower Upper

83 100

55 75.4 37.8 113.4

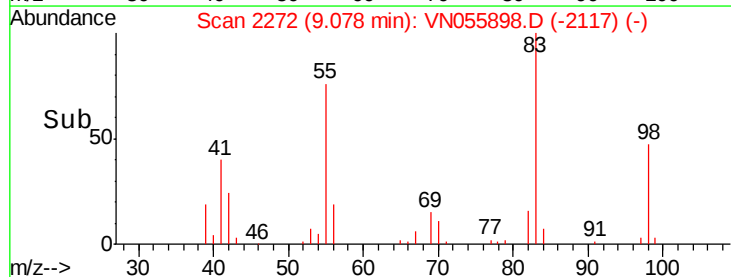
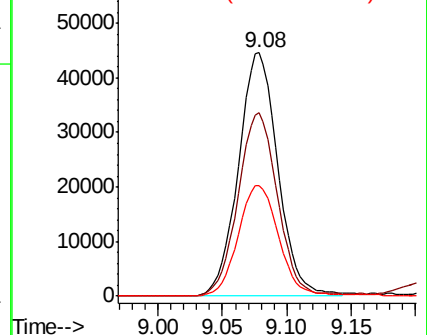
98 46.3 22.6 67.8

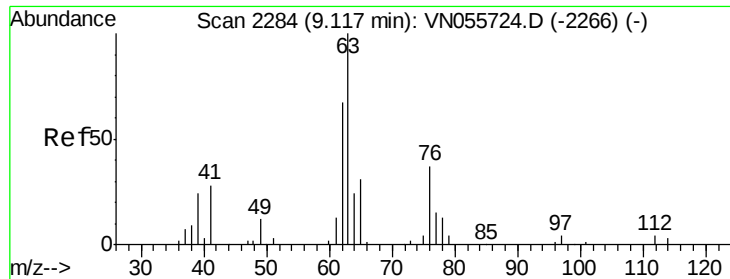


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

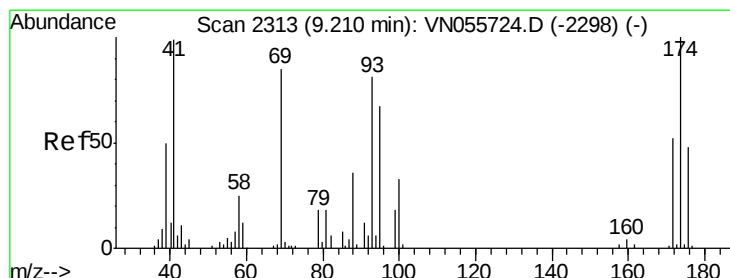
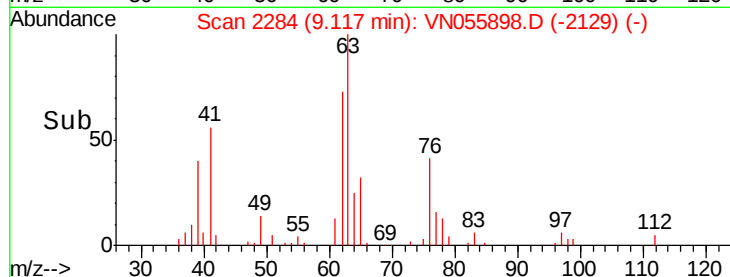
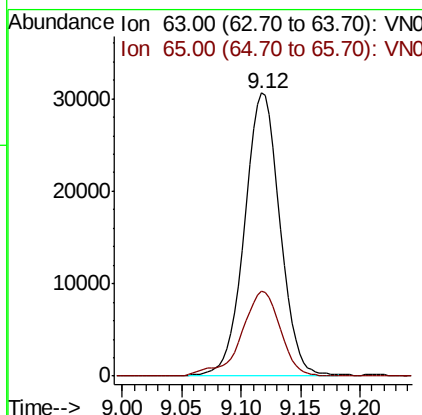
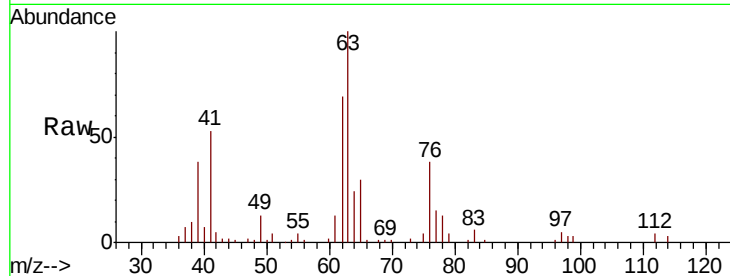




#39
 1,2-Dichloropropane
 Concen: 19.796 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

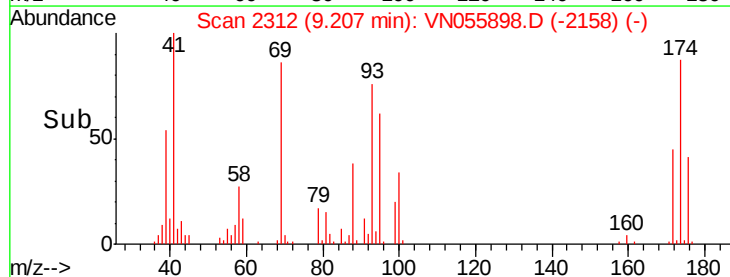
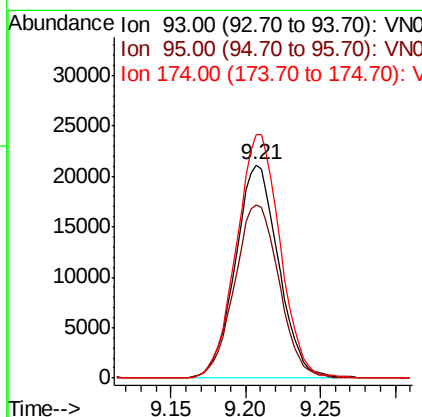
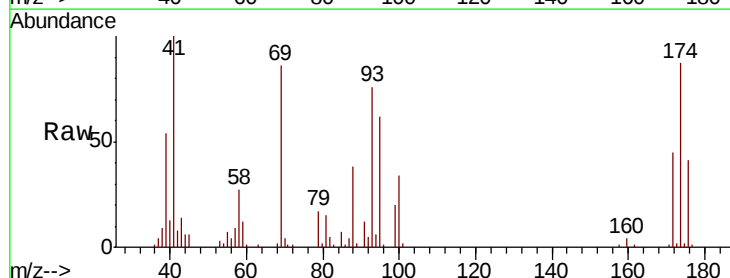
Instrument :
 MSVOA_N
 ClientSampleId :

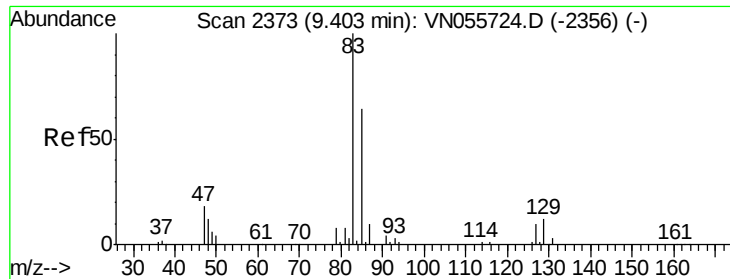
Tot Ion: 63 Resp: 63421
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.8 38.8



#40
 Dibromomethane
 Concen: 20.561 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion: 93 Resp: 42536
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 170.6
 174 115.3 0.0 248.4





#41

Bromodichloromethane

Concen: 18.321 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

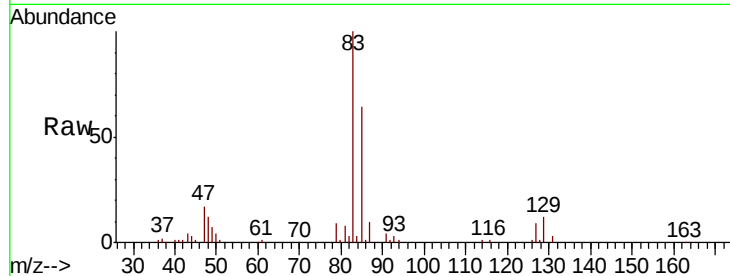
Tot Ion: 83 Resp: 77681

Ion Ratio Lower Upper

83 100

85 64.4 51.4 77.0

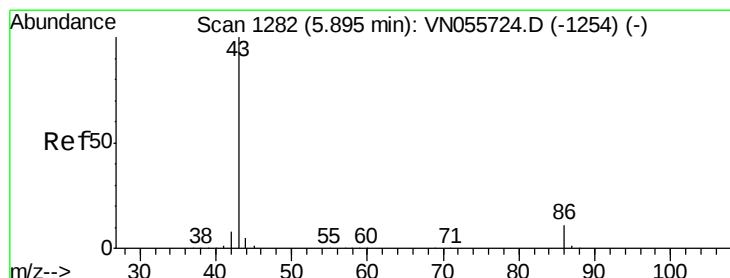
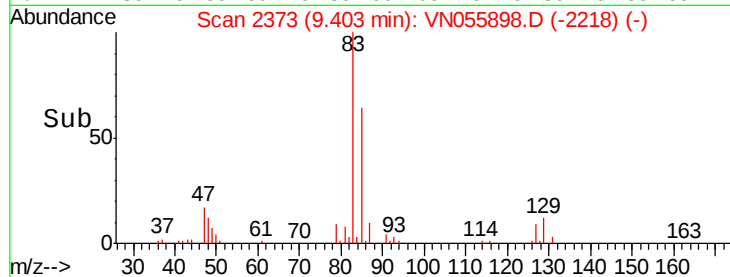
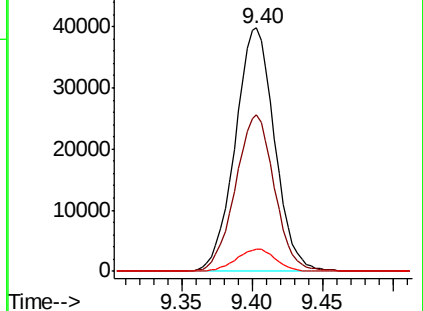
127 9.3 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055898.D (-1127) (-)

Ion 85.00 (84.70 to 85.70): VN055898.D (-1127) (-)

Ion 127.00 (126.70 to 127.70): VN055898.D (-1127) (-)



#42

Vinyl Acetate

Concen: 95.556 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055898.D

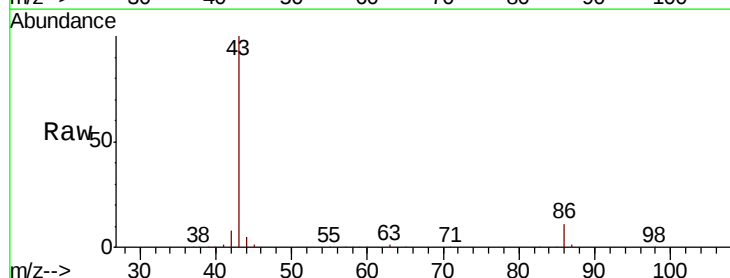
Acq: 30 May 2019 14:13

Tgt Ion: 43 Resp: 763322

Ion Ratio Lower Upper

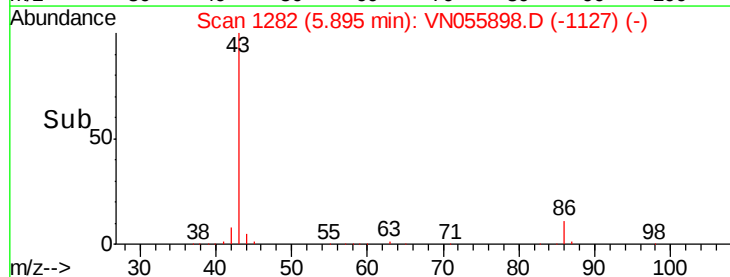
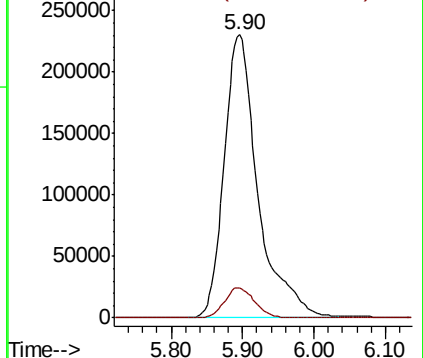
43 100

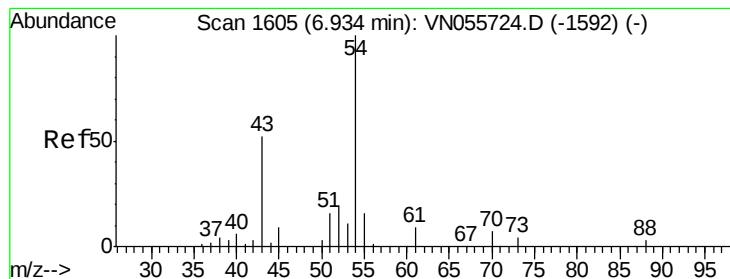
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055898.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055898.D (-1127) (-)





#43

Ethyl Acetate

Concen: 19.696 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

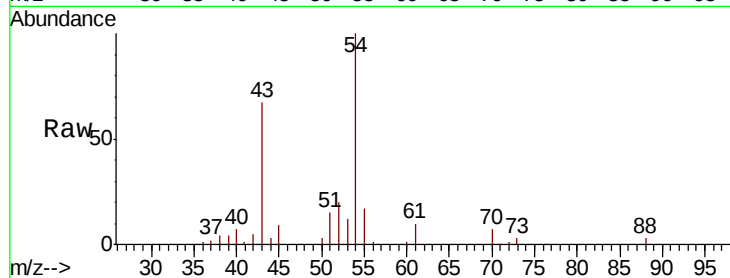
ClientSampled :

Tot Ion: 43 Resp: 79653

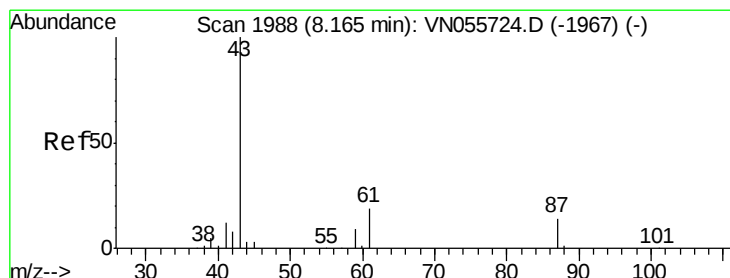
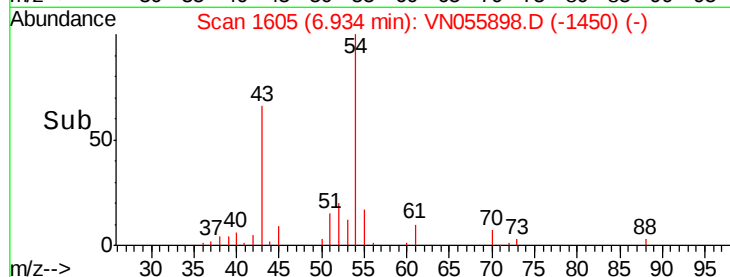
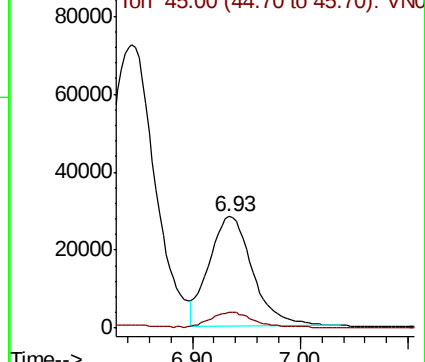
Ion Ratio Lower Upper

43 100

45 15.2 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN055898.D (-1450) (-)



#44

Isopropyl Acetate

Concen: 18.818 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055898.D

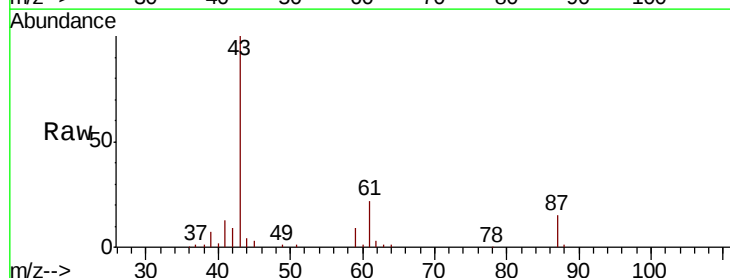
Acq: 30 May 2019 14:13

Tgt Ion: 43 Resp: 126019

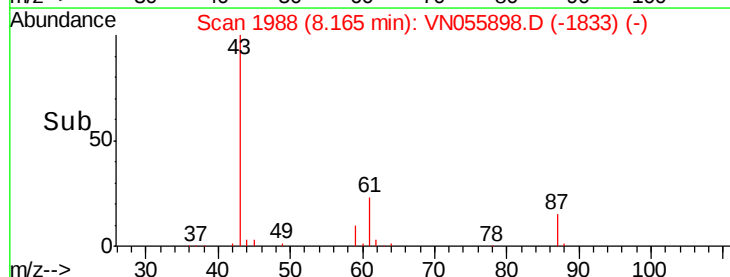
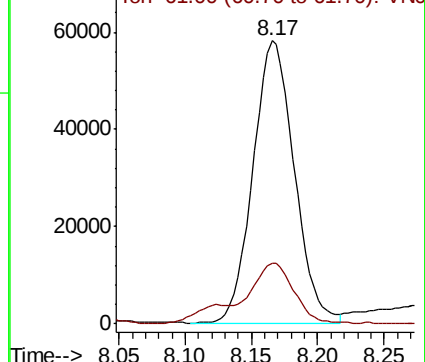
Ion Ratio Lower Upper

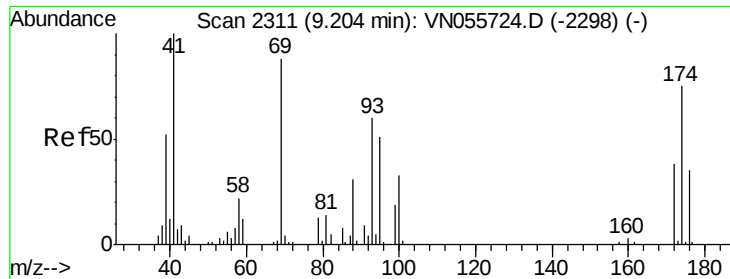
43 100

61 20.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055898.D (-1833) (-)





#45

1,4-Dioxane

Concen: 412.634 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

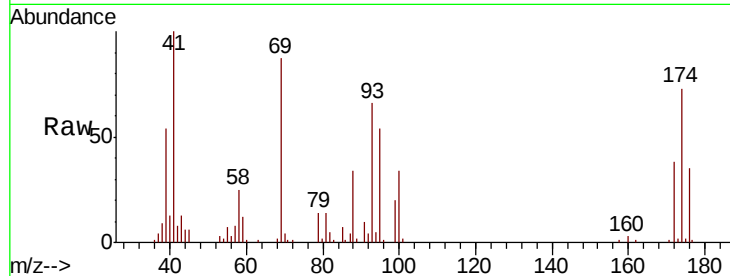
Tot Ion: 88 Resp: 25997

Ion Ratio Lower Upper

88 100

43 26.3 20.5 30.7

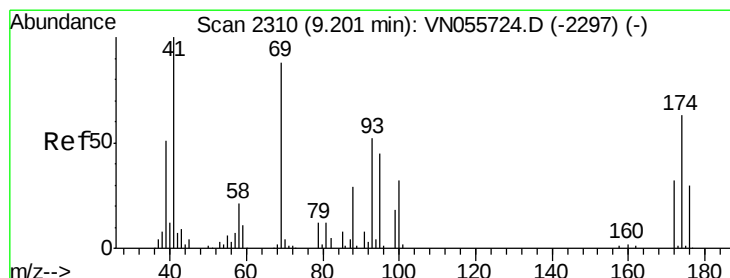
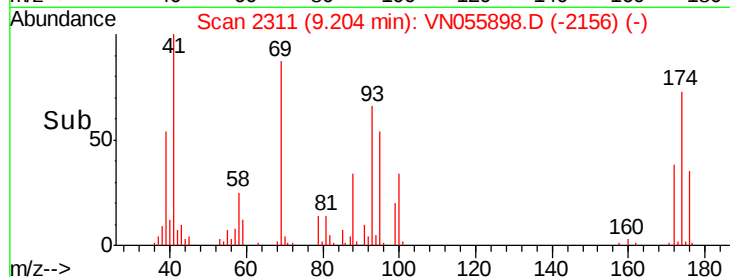
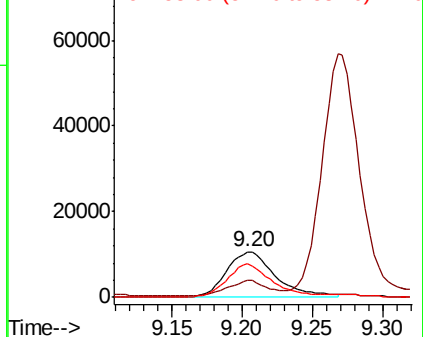
58 67.7 56.1 84.1



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



#46

Methyl methacrylate

Concen: 19.178 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

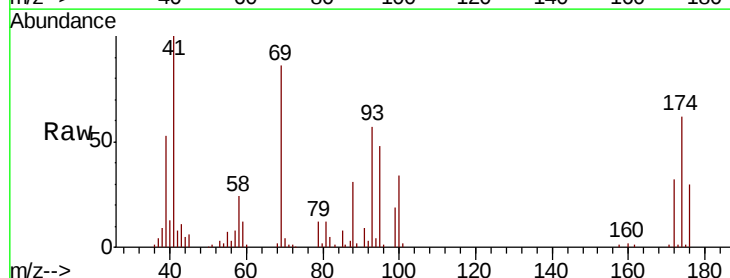
Tgt Ion: 41 Resp: 59922

Ion Ratio Lower Upper

41 100

69 87.7 43.8 131.4

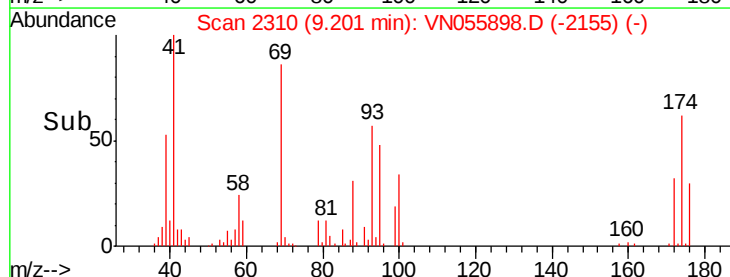
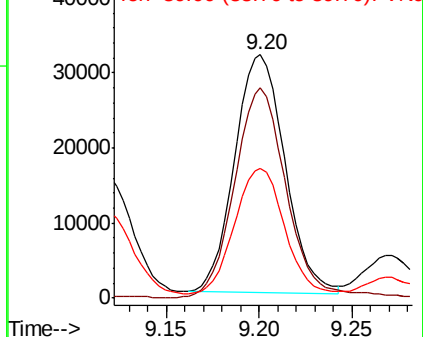
39 52.7 25.6 76.6

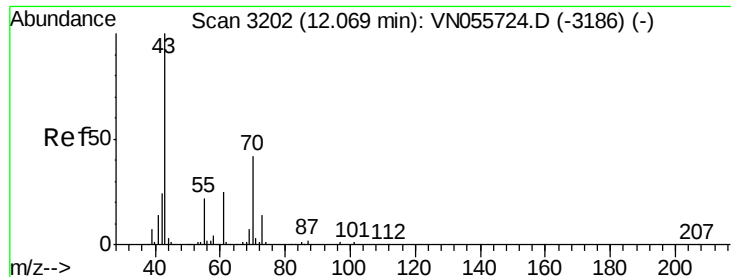


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.646 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

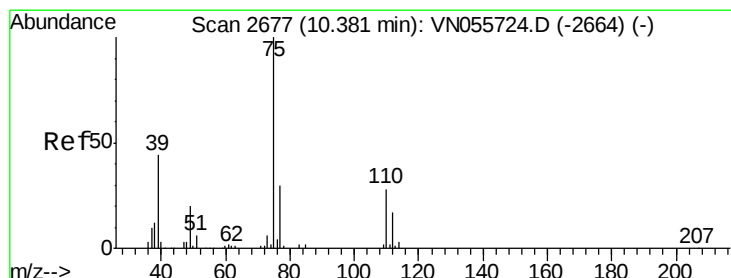
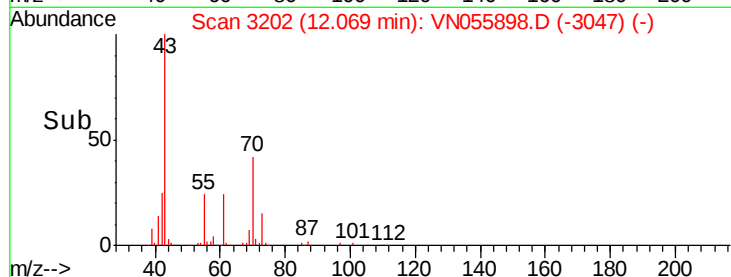
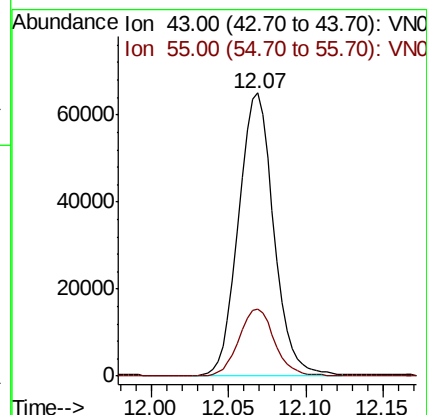
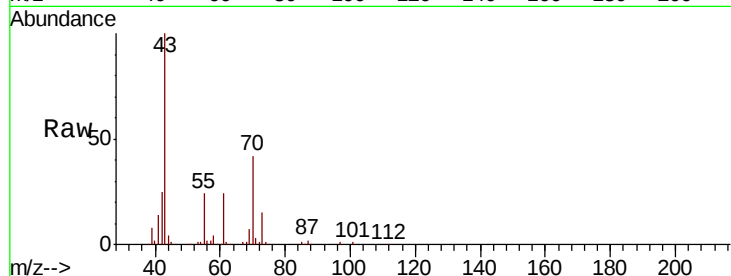
ClientSampled :

Tot Ion: 43 Resp: 103281

Ion Ratio Lower Upper

43 100

55 24.0 17.8 26.6



#48

t-1,3-Dichloropropene

Concen: 17.287 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055898.D

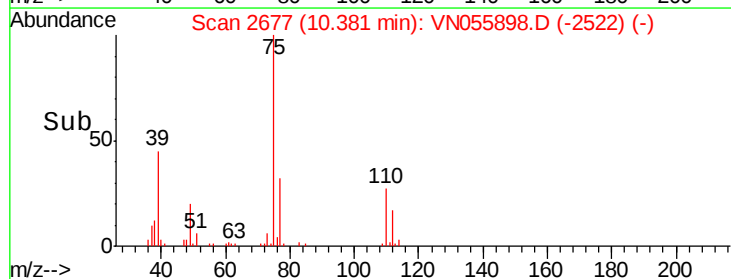
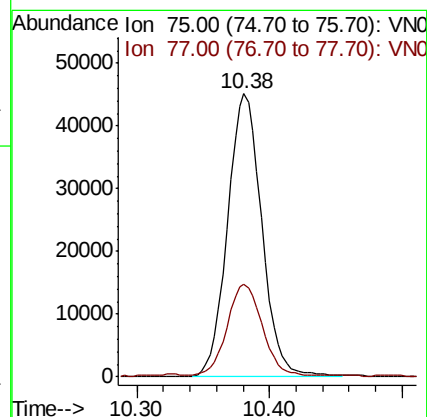
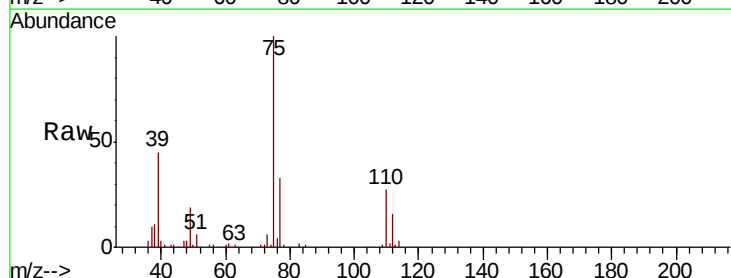
Acq: 30 May 2019 14:13

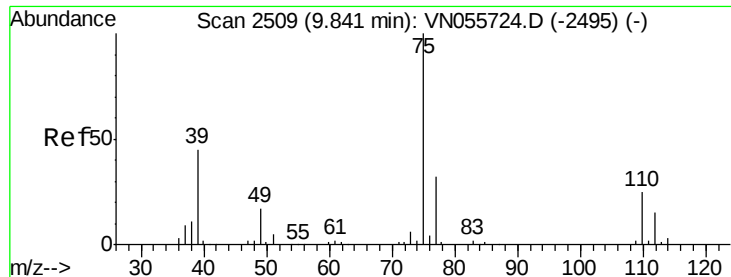
Tgt Ion: 75 Resp: 80908

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



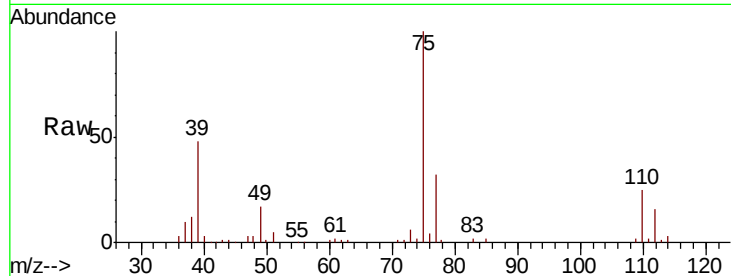


#49

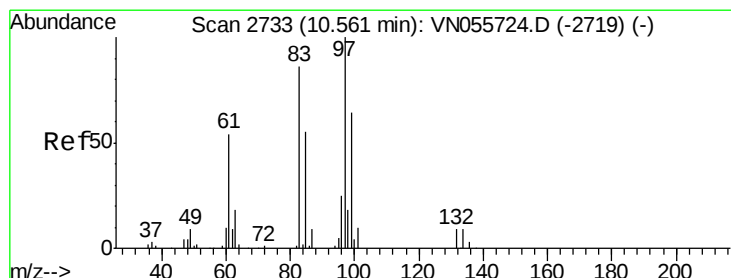
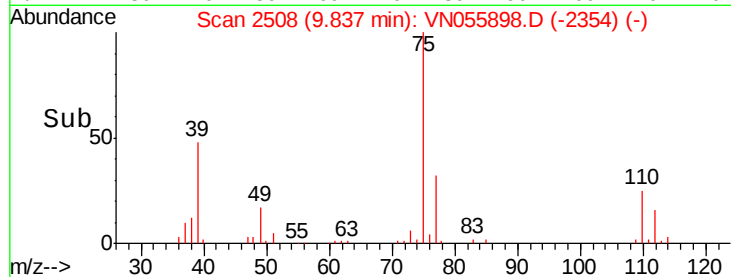
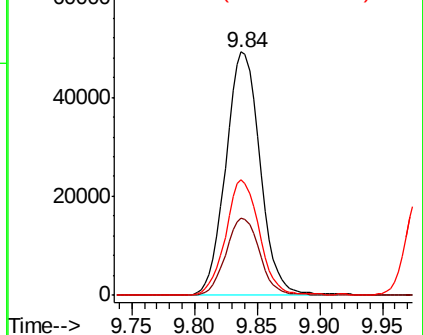
cis-1,3-Dichloropropene
Concen: 18.245 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 93465
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
39 47.7 36.2 54.4



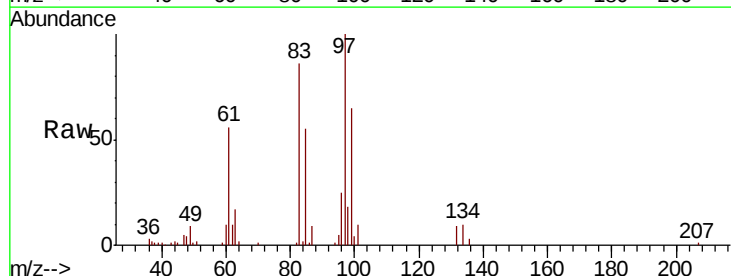
Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



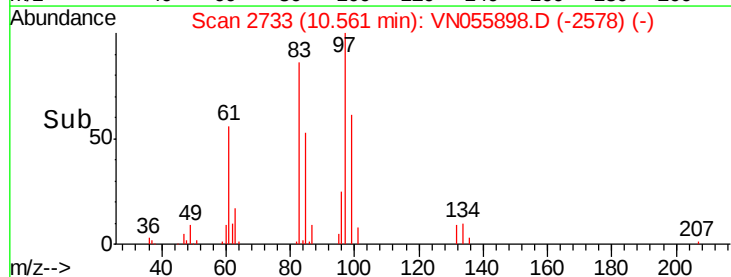
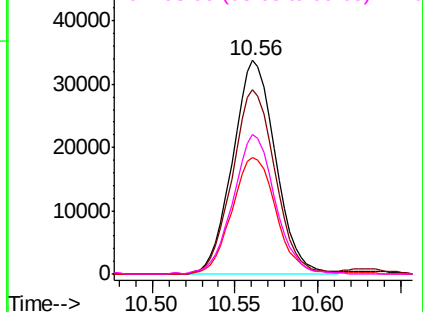
#50

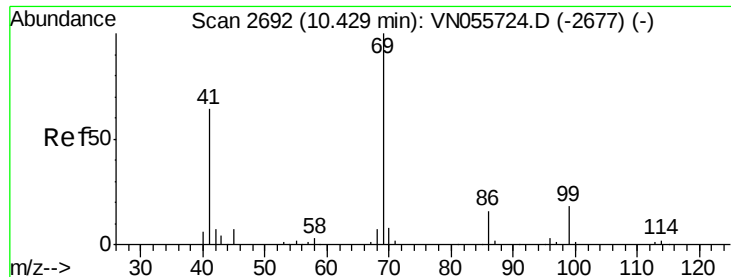
1,1,2-Trichloroethane
Concen: 20.190 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 97 Resp: 60807
Ion Ratio Lower Upper
97 100
83 86.4 68.9 103.3
85 54.6 44.3 66.5
99 64.8 51.4 77.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.962 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

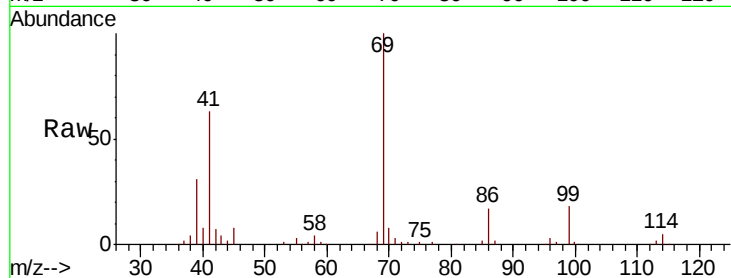
Tot Ion: 69 Resp: 92047

Ion Ratio Lower Upper

69 100

41 63.0 31.9 95.7

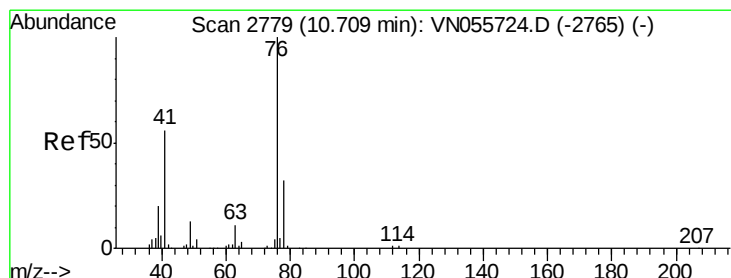
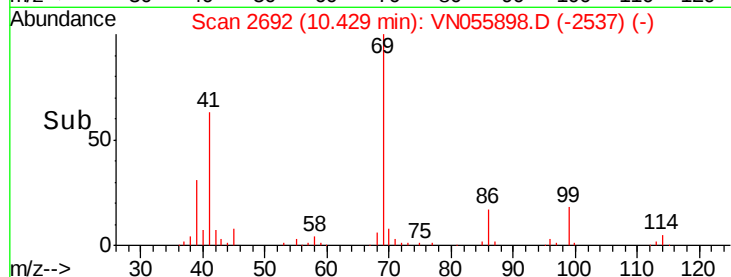
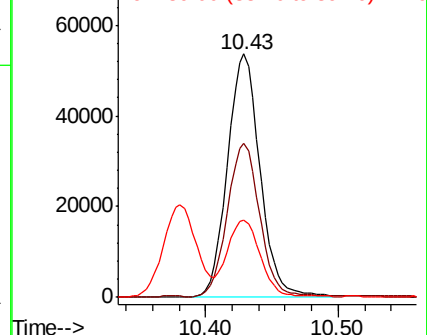
39 31.1 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.187 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055898.D

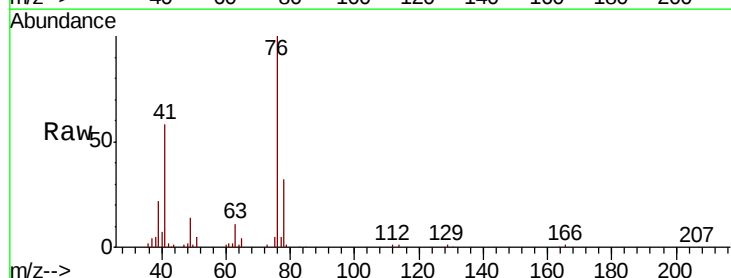
Acq: 30 May 2019 14:13

Tgt Ion: 76 Resp: 100212

Ion Ratio Lower Upper

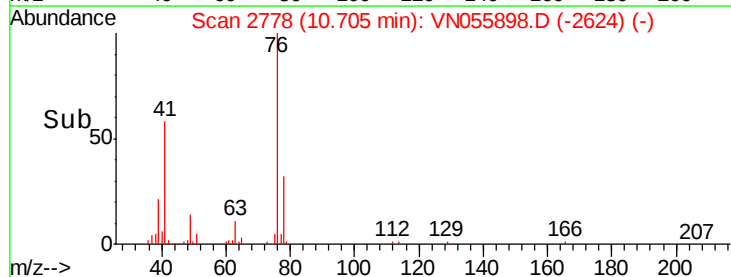
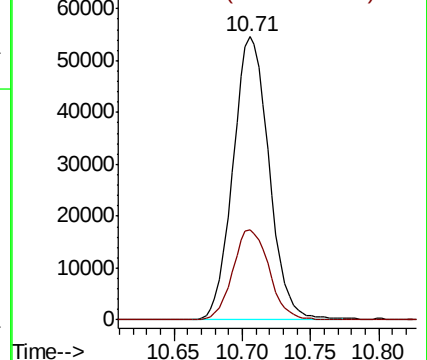
76 100

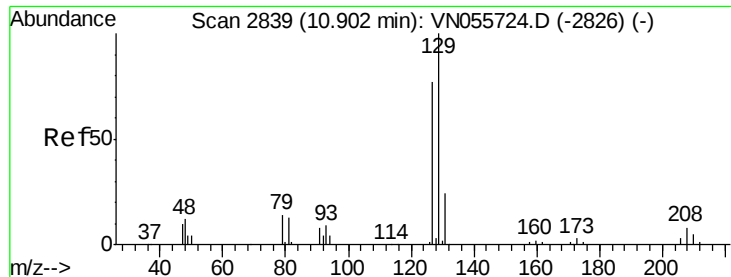
78 32.0 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.375 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

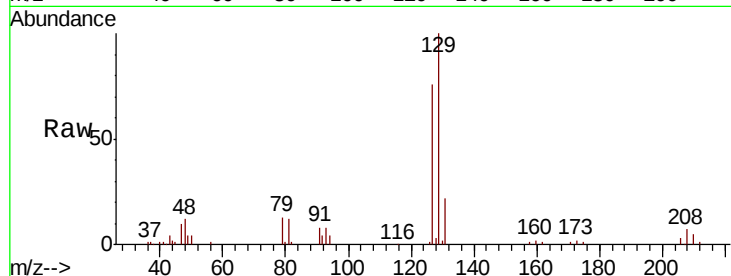
ClientSampleId :

Tot Ion:129 Resp: 61817

Ion Ratio Lower Upper

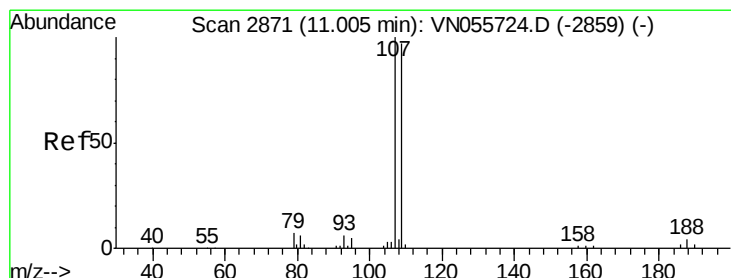
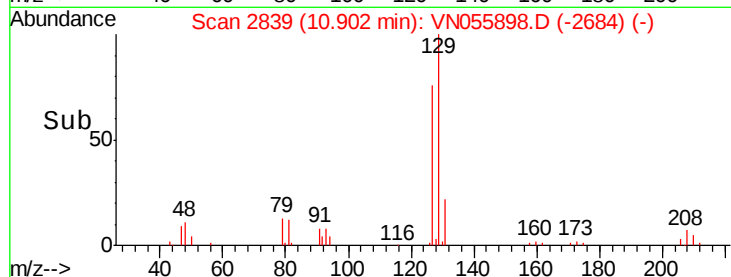
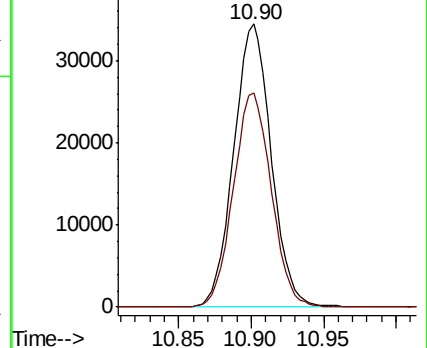
129 100

127 76.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.187 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055898.D

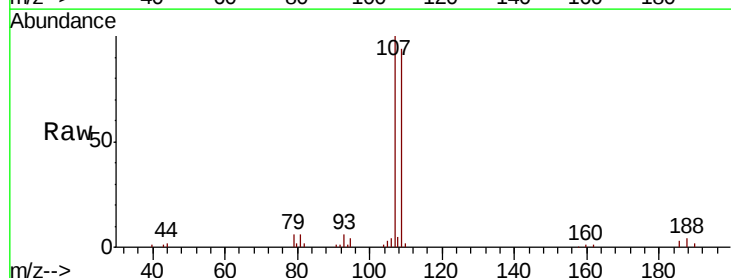
Acq: 30 May 2019 14:13

Tgt Ion:107 Resp: 62911

Ion Ratio Lower Upper

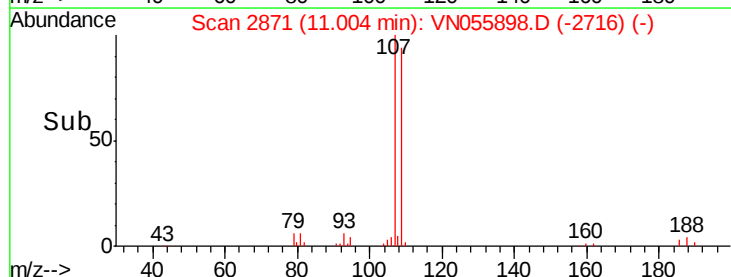
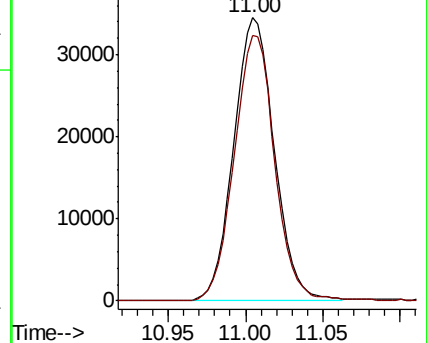
107 100

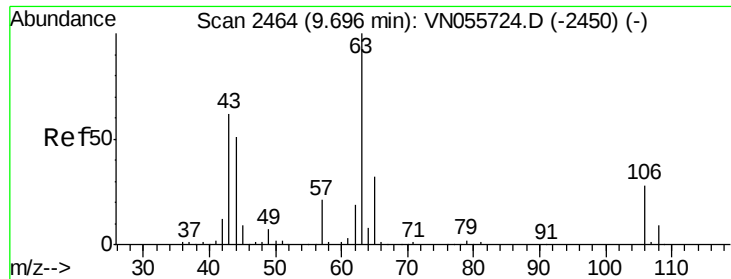
109 93.6 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 89.800 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

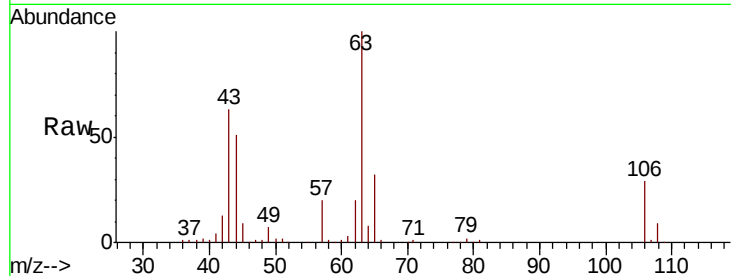
Tot Ion: 63 Resp: 169612

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.0

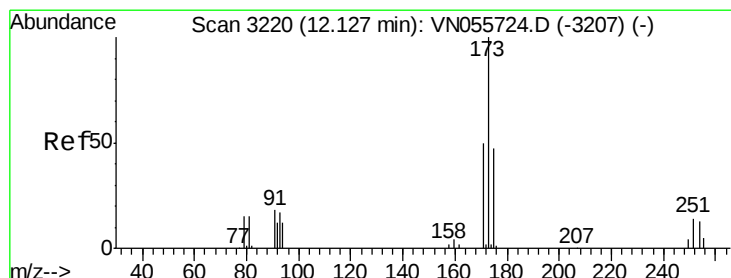
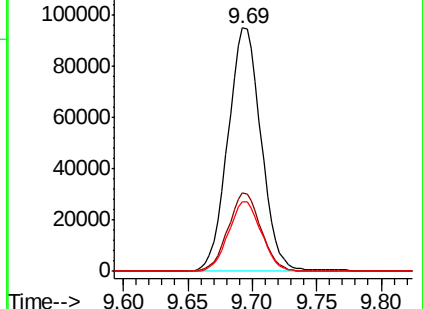
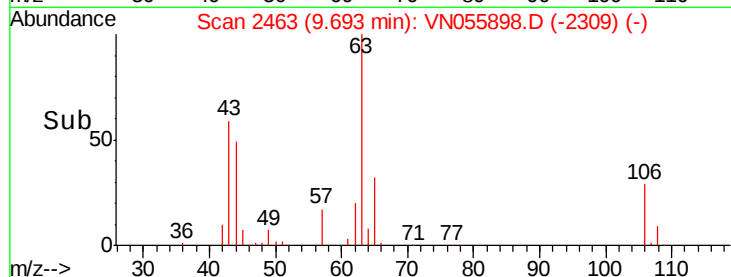
106 28.4 22.1 33.1



Abundance Ion 63.00 (62.70 to 63.70): VN055898.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN055898.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN055898.D (-2309) (-)



#56

Bromoform

Concen: 14.615 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

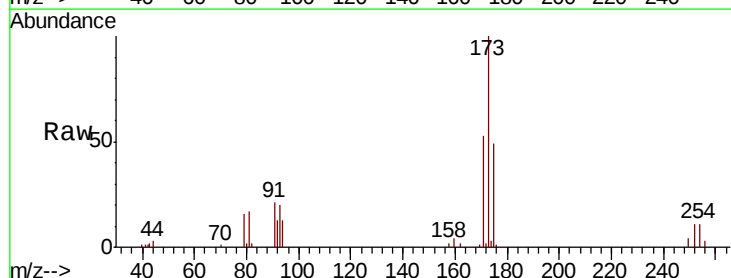
Tgt Ion: 173 Resp: 42653

Ion Ratio Lower Upper

173 100

175 47.5 38.5 57.7

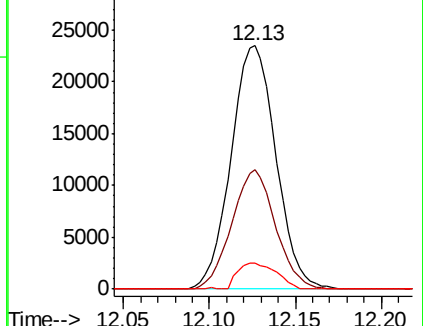
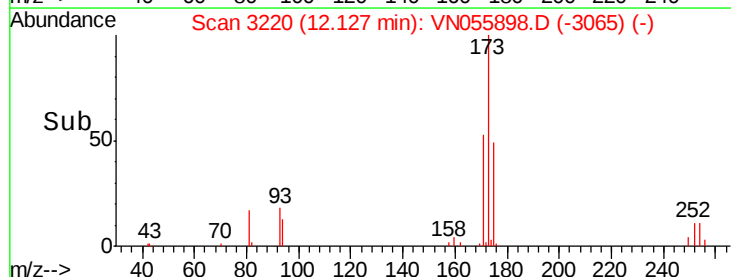
254 9.4 9.4 14.0

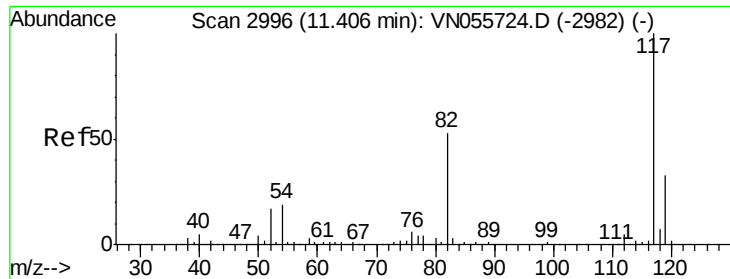


Abundance Ion 173.00 (172.70 to 173.70): VN055898.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN055898.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN055898.D (-3065) (-)

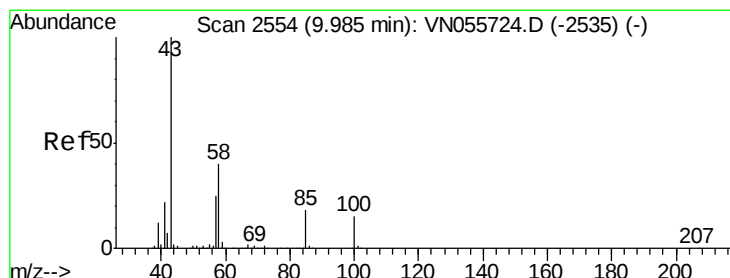
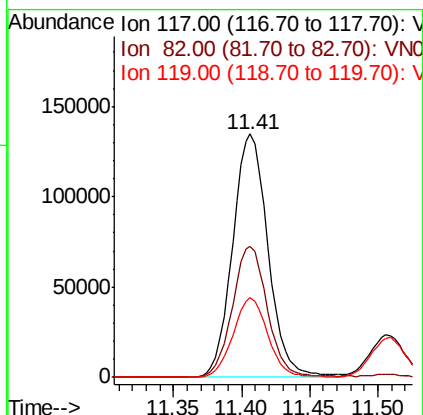
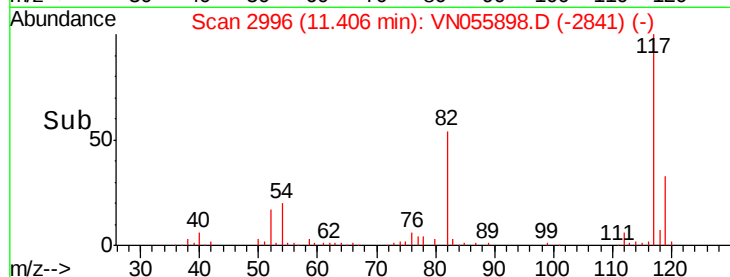
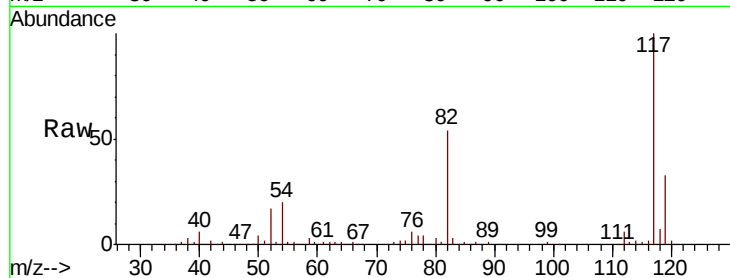




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

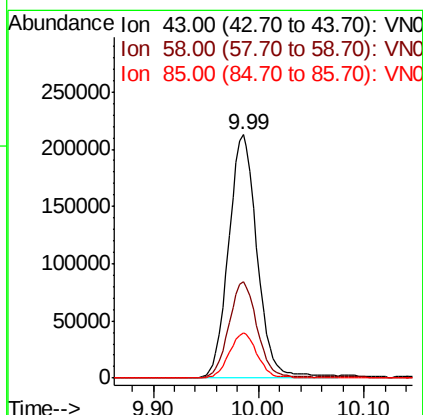
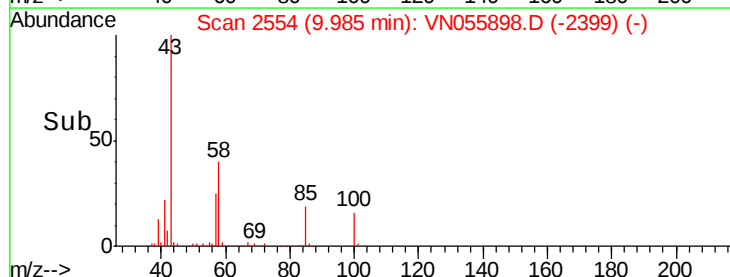
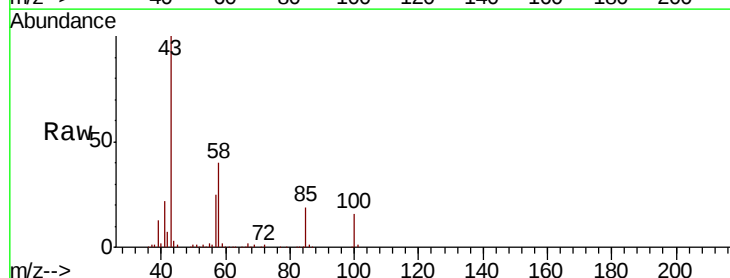
Instrument :
MSVOA_N
ClientSampled :

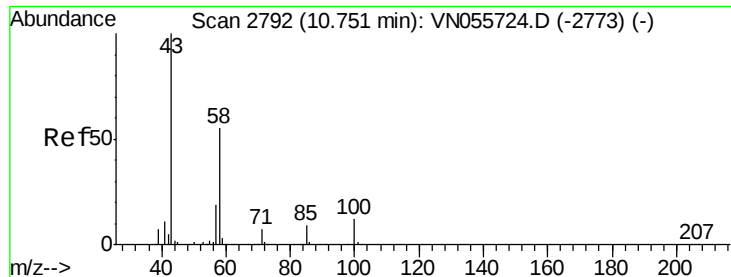
Tot Ion:117 Resp: 242812
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.3 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 98.687 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 43 Resp: 396687
Ion Ratio Lower Upper
43 100
58 39.4 31.7 47.5
85 18.5 14.5 21.7

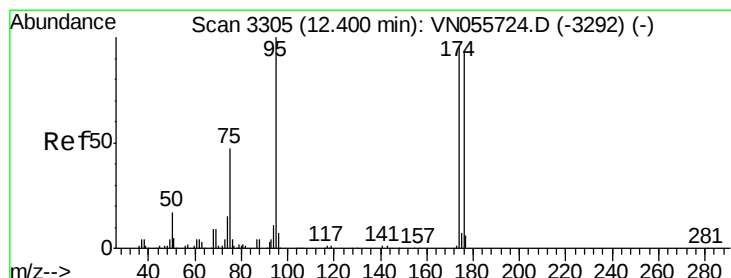
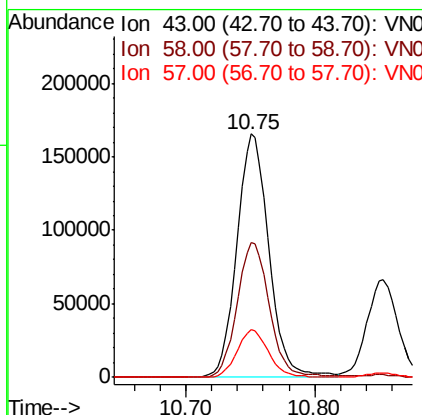
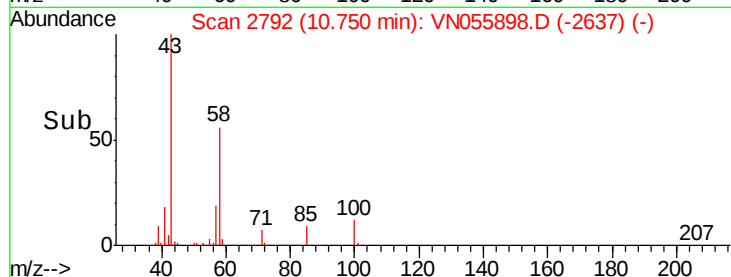
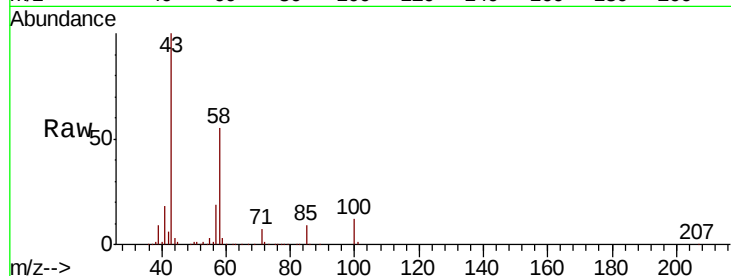




#59
2-Hexanone
Concen: 99.037 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

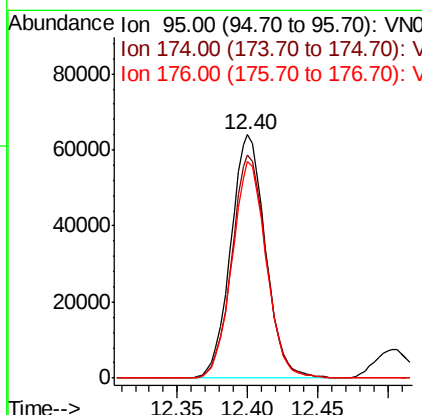
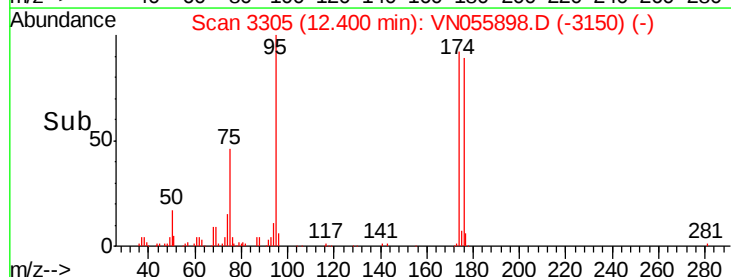
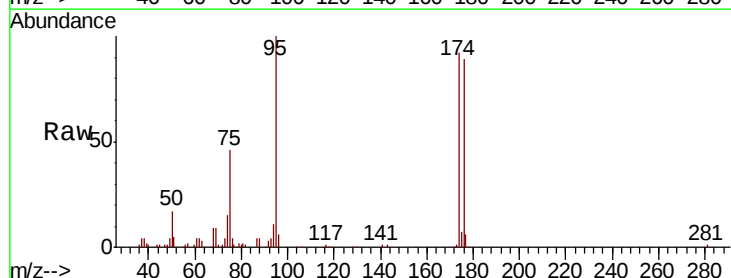
Instrument :
MSVOA_N
ClientSampleId :

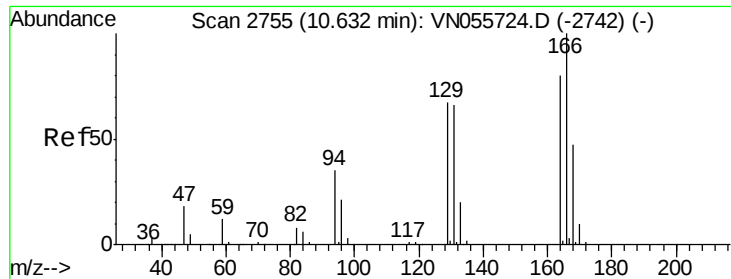
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.8	67.2
57	19.4	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 29.204 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	75.7	113.5
176	87.7	74.1	111.1





#61

Tetrachloroethene

Concen: 20.002 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 65744

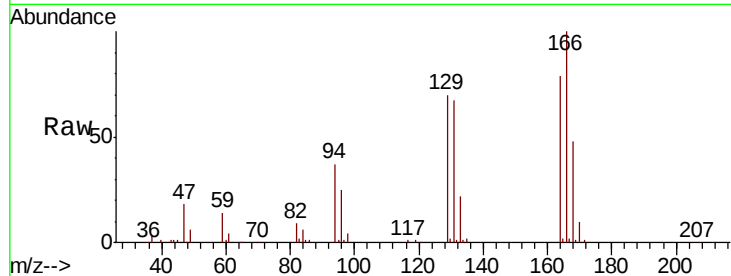
Ion Ratio Lower Upper

164 100

166 127.2 100.6 150.8

129 88.7 67.4 101.2

131 84.8 66.6 99.8

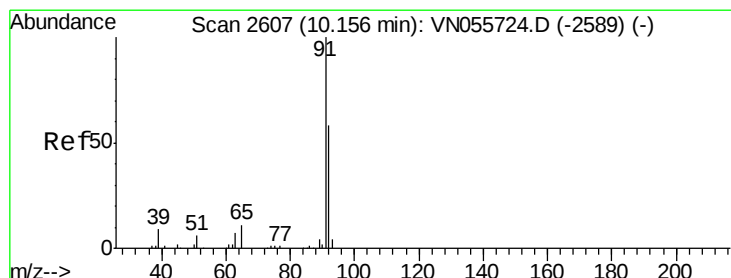
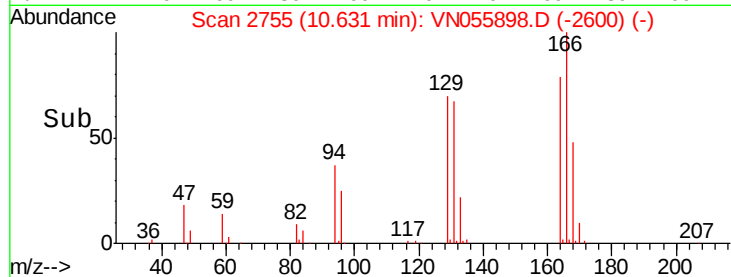
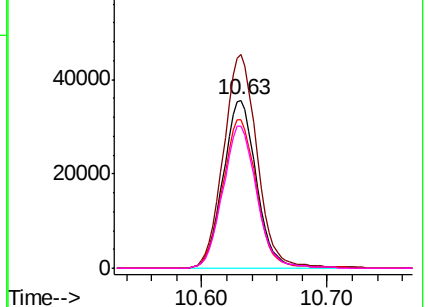


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.412 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055898.D

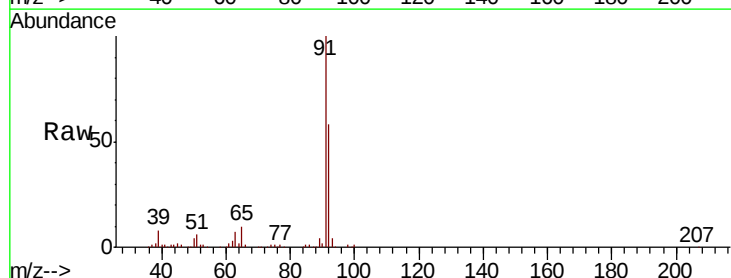
Acq: 30 May 2019 14:13

Tgt Ion: 91 Resp: 266525

Ion Ratio Lower Upper

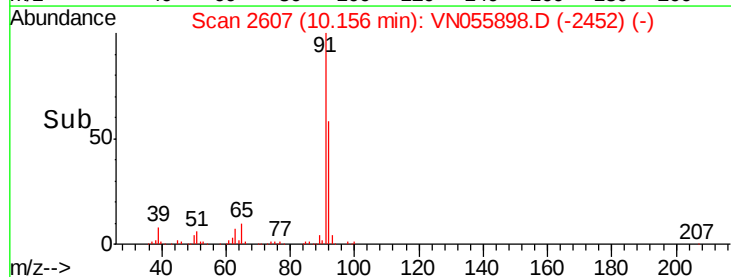
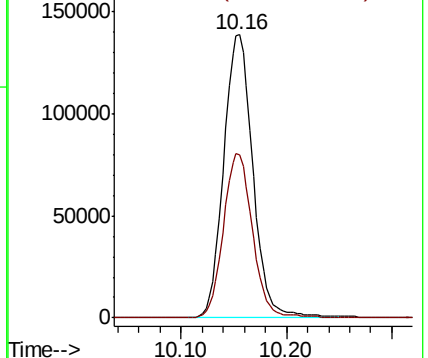
91 100

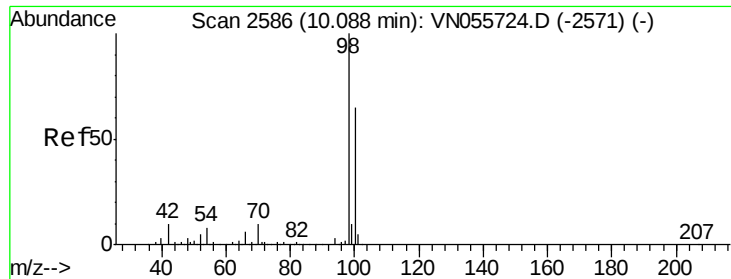
92 58.0 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.202 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

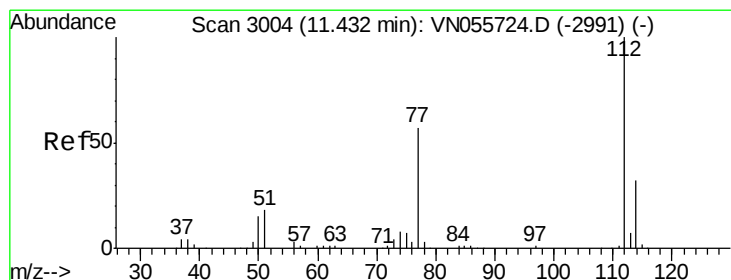
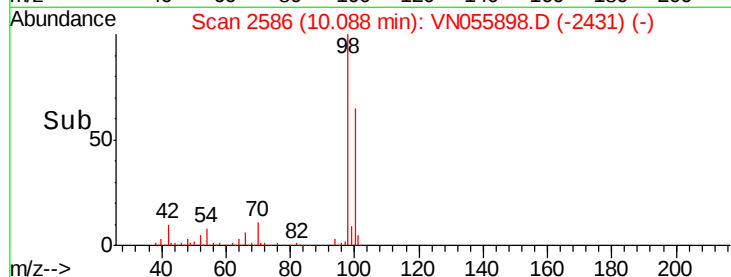
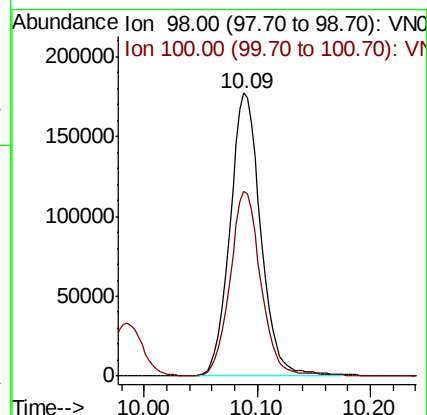
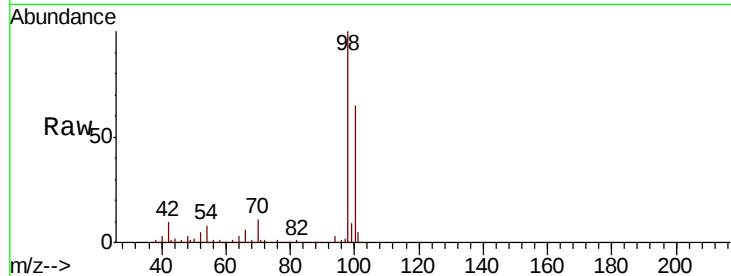
ClientSampleId :

Tot Ion: 98 Resp: 335129

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



#64

Chlorobenzene

Concen: 20.213 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055898.D

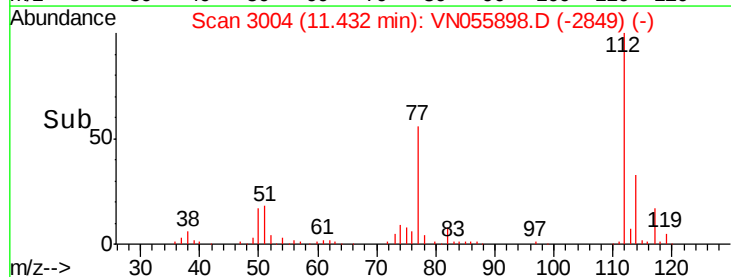
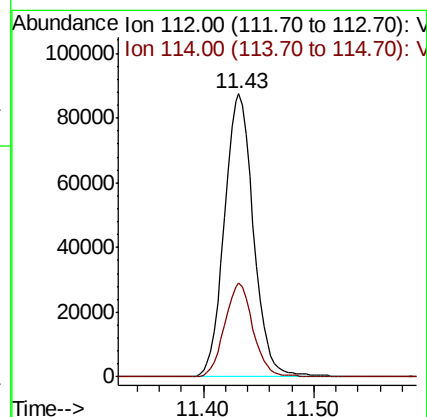
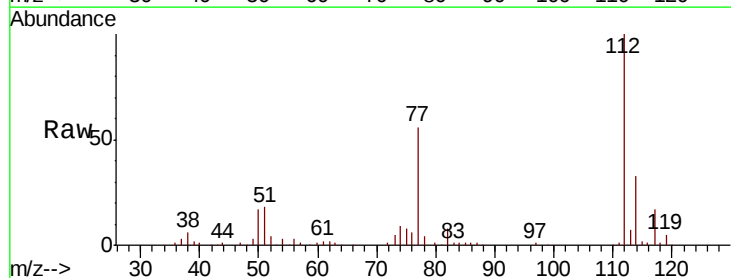
Acq: 30 May 2019 14:13

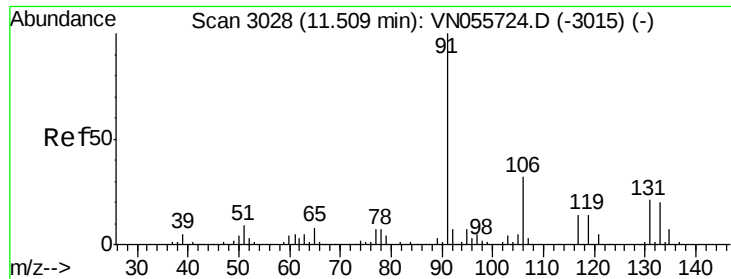
Tgt Ion: 112 Resp: 160101

Ion Ratio Lower Upper

112 100

114 33.2 25.4 38.0

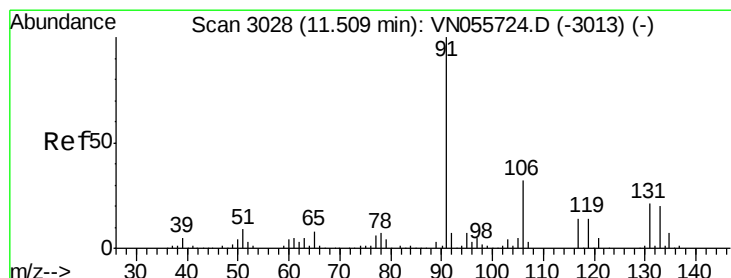
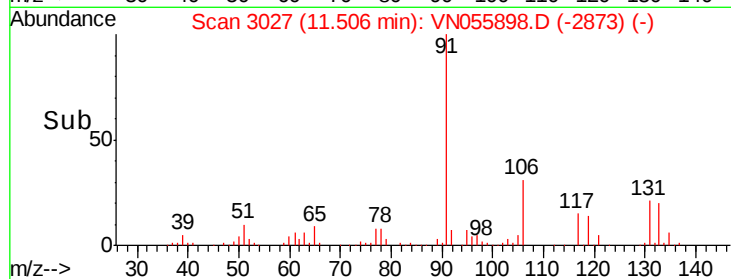
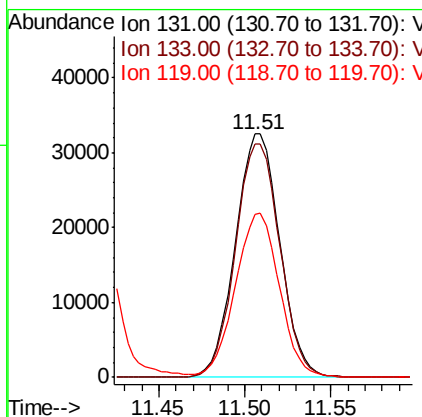
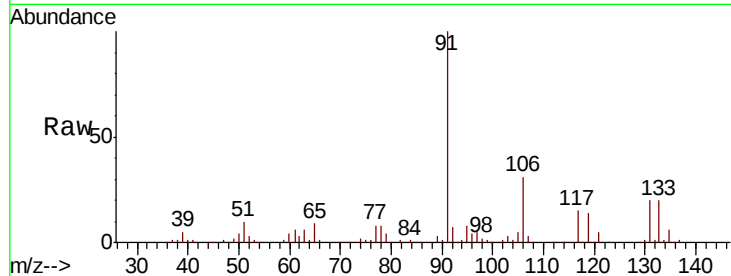




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.338 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

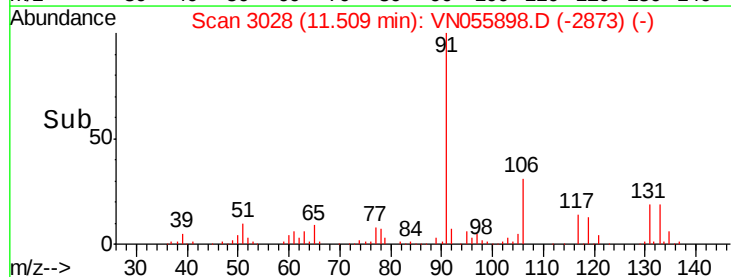
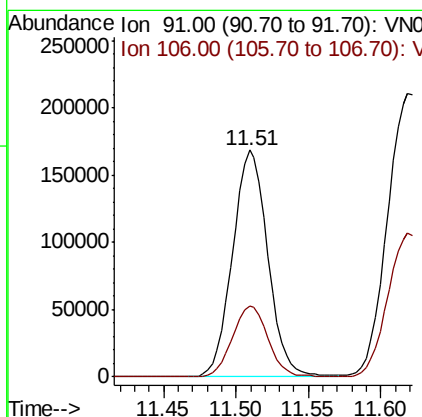
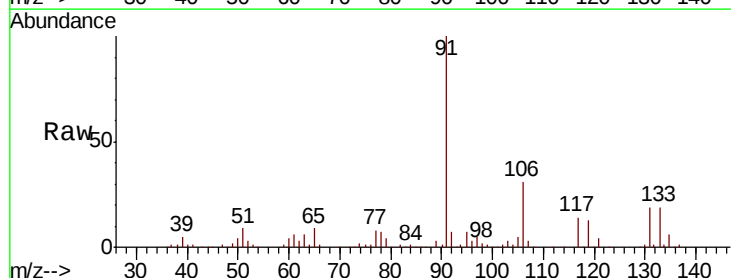
Instrument :
 MSVOA_N
 ClientSampleId :

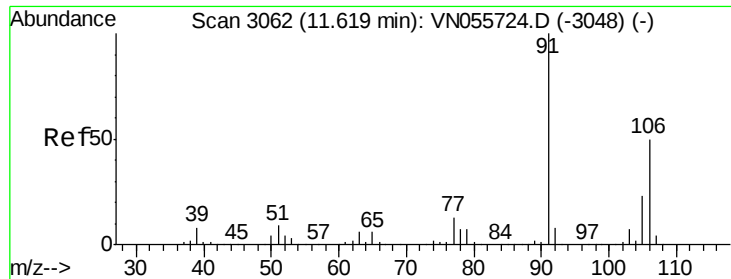
Tot Ion:131 Resp: 58524
 Ion Ratio Lower Upper
 131 100
 133 96.1 0.0 188.8
 119 67.1 0.0 133.6



#66
 Ethyl Benzene
 Concen: 19.991 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion: 91 Resp: 285197
 Ion Ratio Lower Upper
 91 100
 106 31.3 25.6 38.4

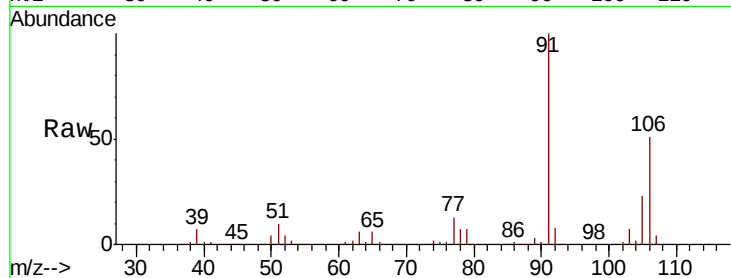




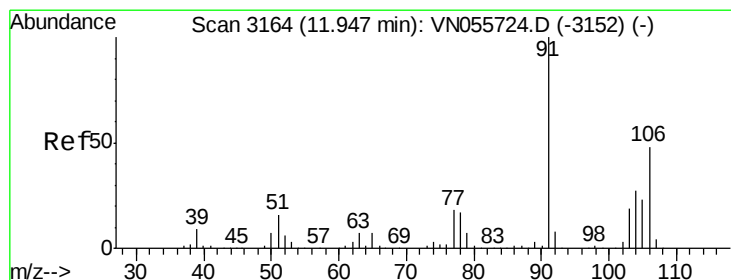
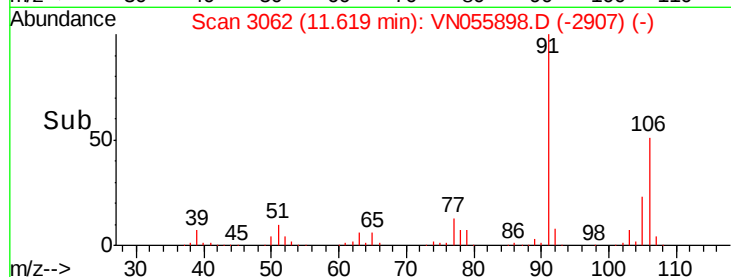
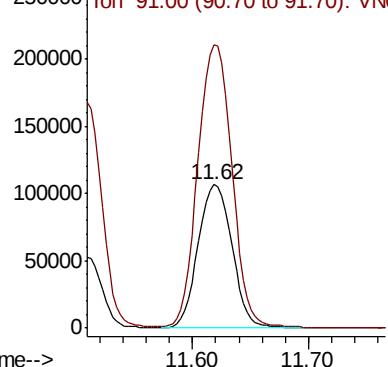
#67
m/p-Xylenes
Concen: 40.112 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 217394
Ion Ratio Lower Upper
106 100
91 198.6 159.5 239.3

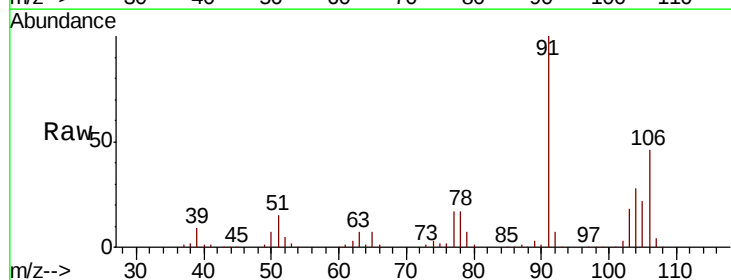


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

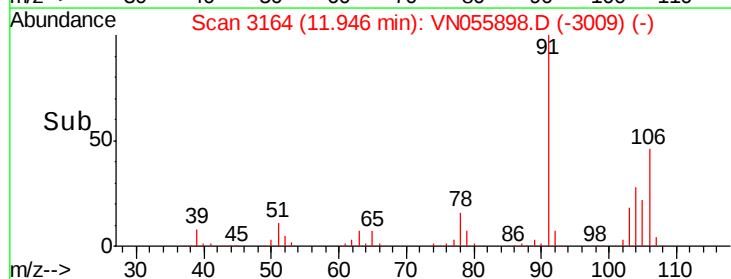
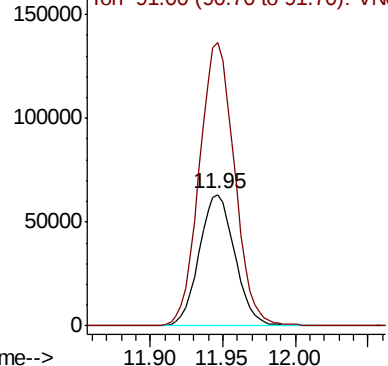


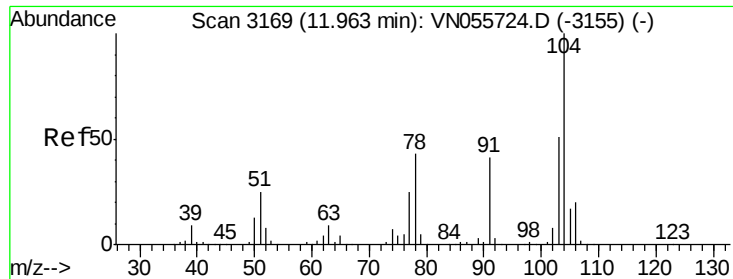
#68
o-Xylene
Concen: 20.102 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion:106 Resp: 107808
Ion Ratio Lower Upper
106 100
91 213.4 105.4 316.1



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

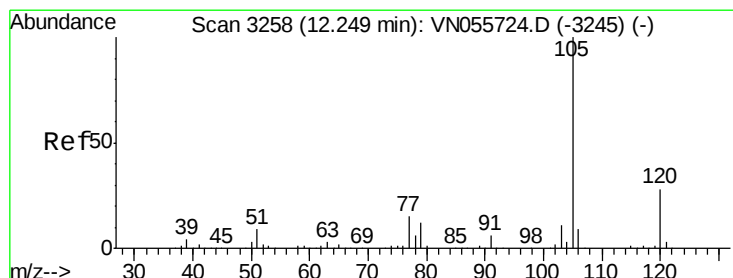
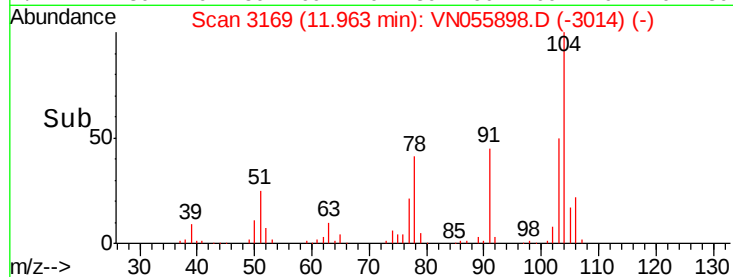
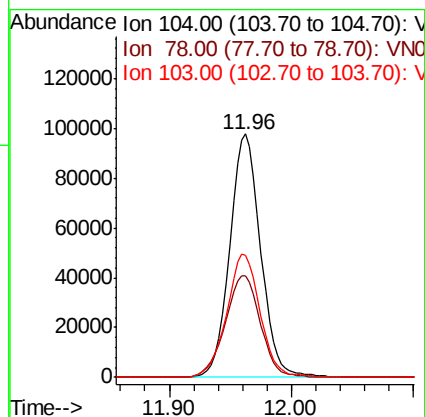
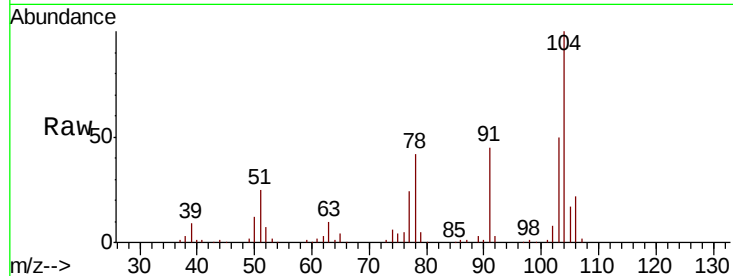




#69
Stvrene
Concen: 19.513 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

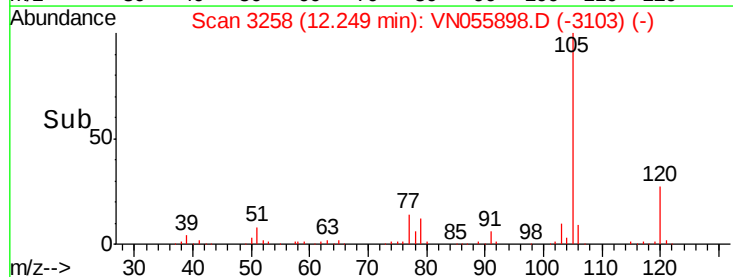
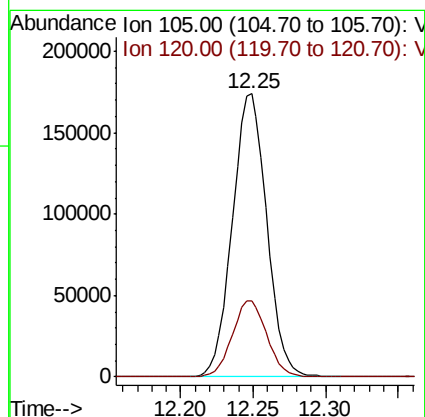
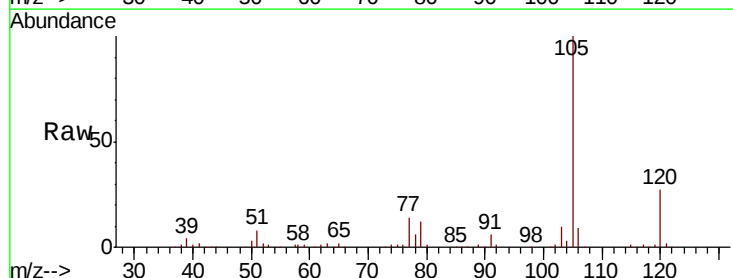
Instrument :
MSVOA_N
ClientSampled :

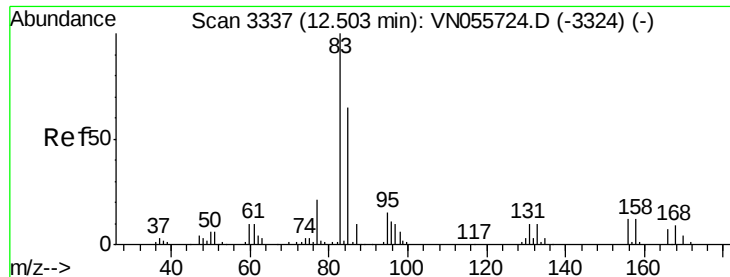
Tot Ion:104 Resp: 172654
Ion Ratio Lower Upper
104 100
78 47.5 38.7 58.1
103 54.9 45.0 67.6



#70
Isopropylbenzene
Concen: 20.367 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion:105 Resp: 285798
Ion Ratio Lower Upper
105 100
120 27.1 19.2 35.6

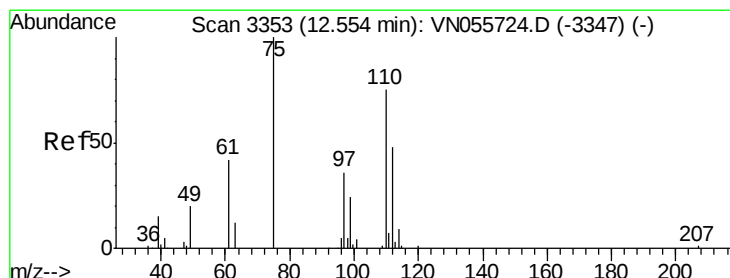
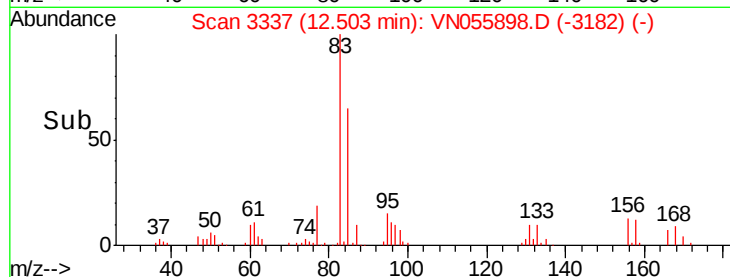
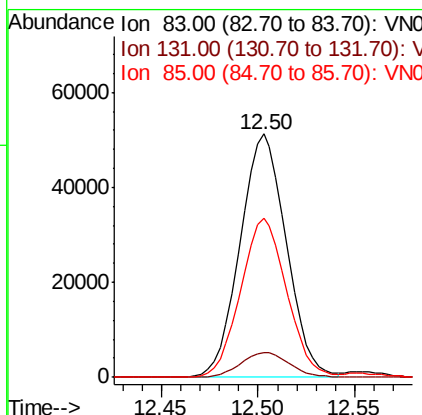
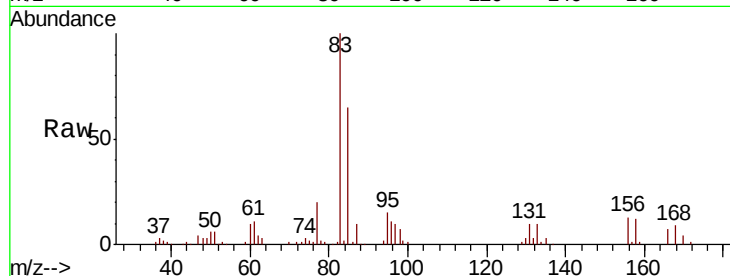




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.786 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

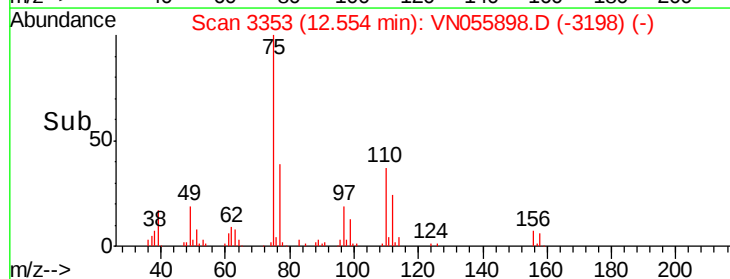
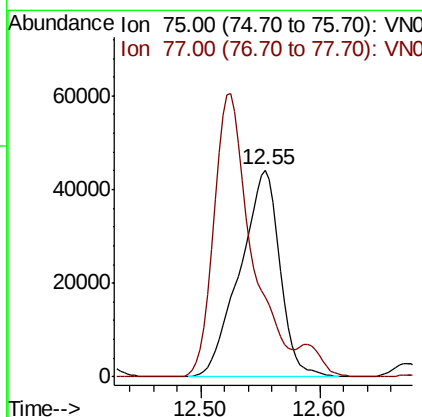
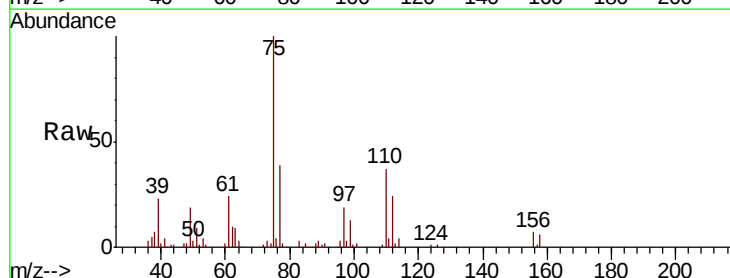
Instrument :
 MSVOA_N
 ClientSampleId :

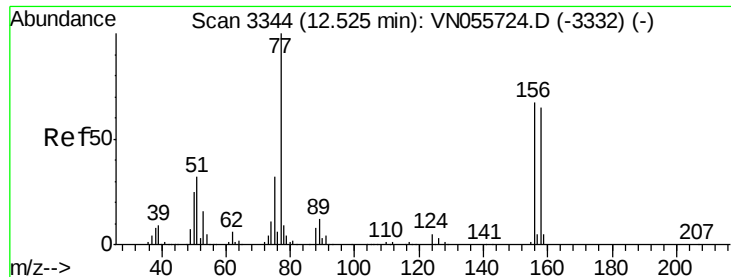
Tot Ion	83	Resp	85443
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	65.0	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 27.600 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion	75	Resp	102583
Ion Ratio	Lower	Upper	
75	100		
77	128.7	0.0	349.8





#73

Bromobenzene

Concen: 19.366 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampled :

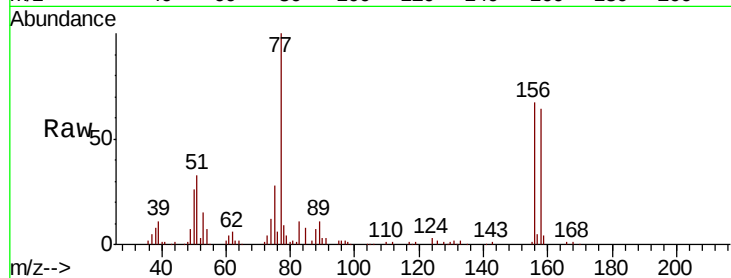
Tot Ion:156 Resp: 71891

Ion Ratio Lower Upper

156 100

77 183.6 0.0 368.0

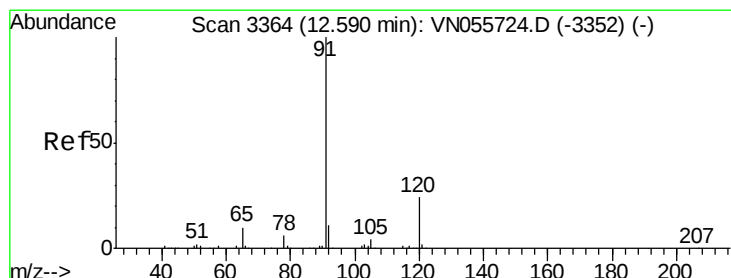
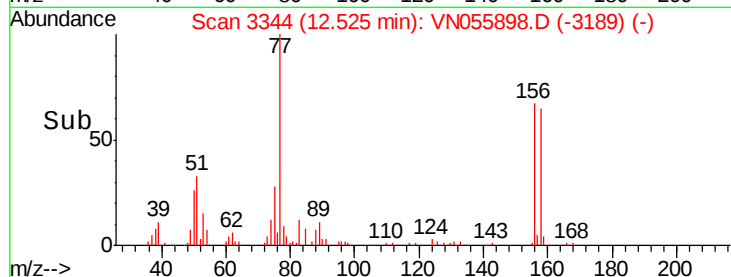
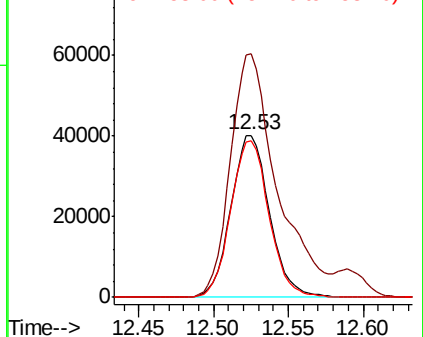
158 96.4 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.781 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055898.D

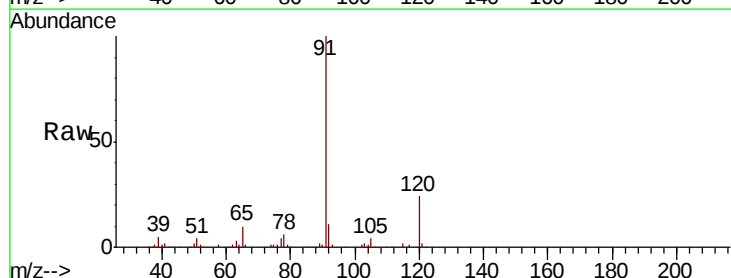
Acq: 30 May 2019 14:13

Tgt Ion: 91 Resp: 299363

Ion Ratio Lower Upper

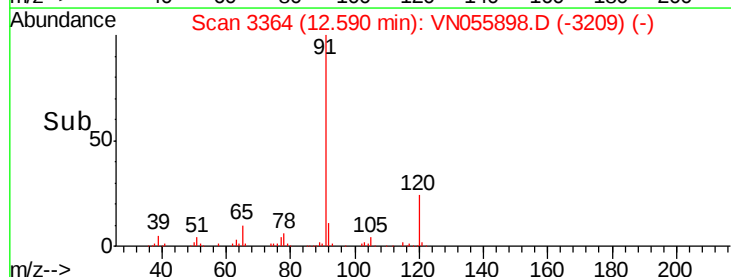
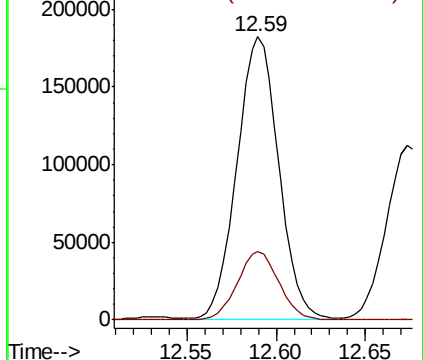
91 100

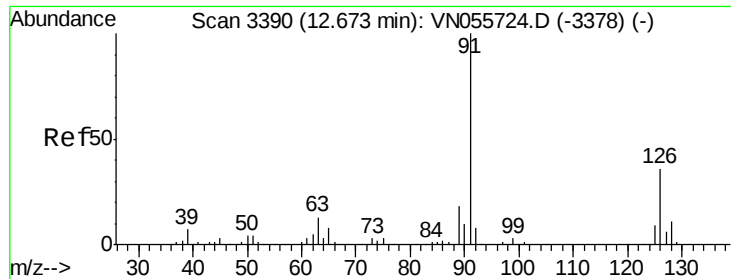
120 23.9 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.495 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

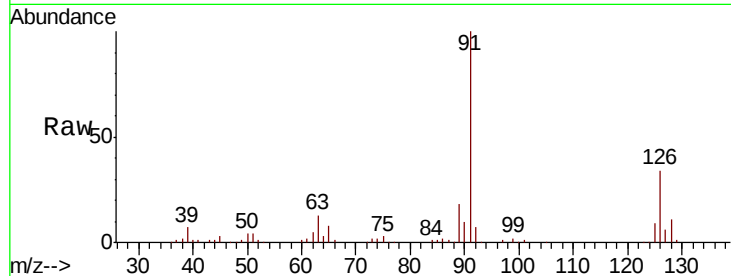
ClientSampled :

Tot Ion: 91 Resp: 189471

Ion Ratio Lower Upper

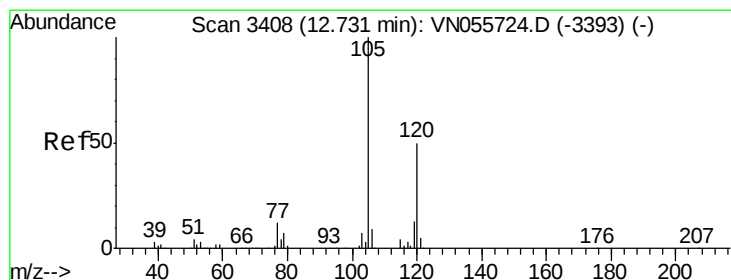
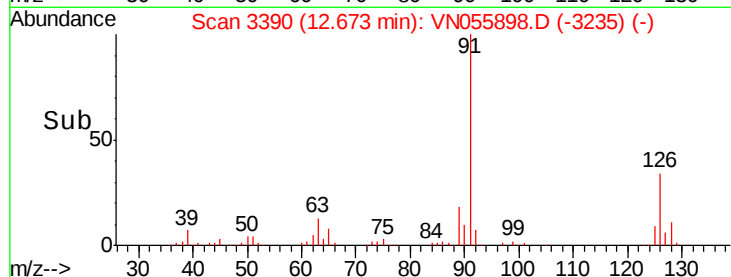
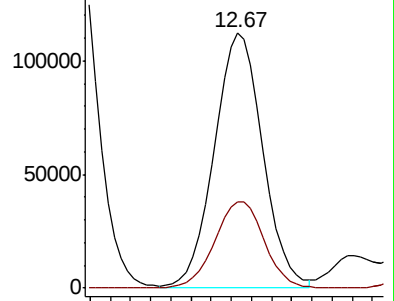
91 100

126 34.5 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.153 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055898.D

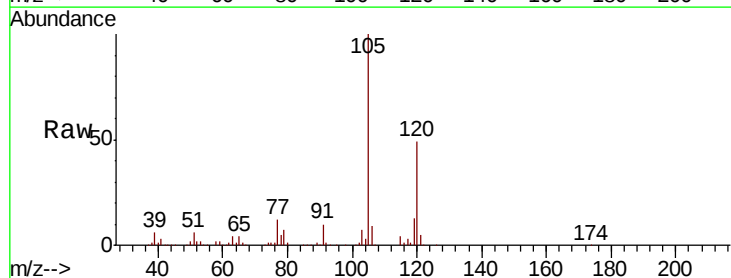
Acq: 30 May 2019 14:13

Tgt Ion:105 Resp: 233755

Ion Ratio Lower Upper

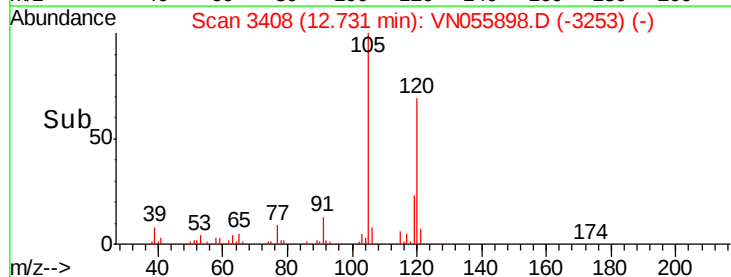
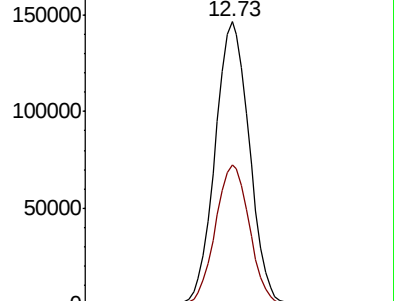
105 100

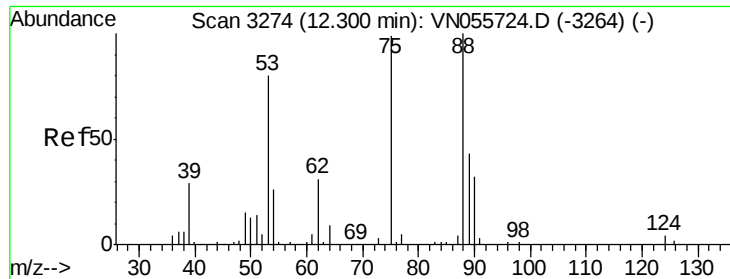
120 49.4 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

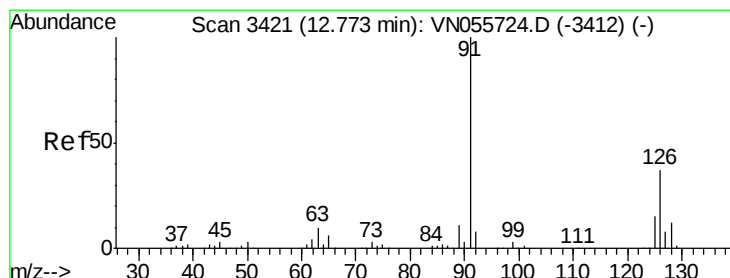
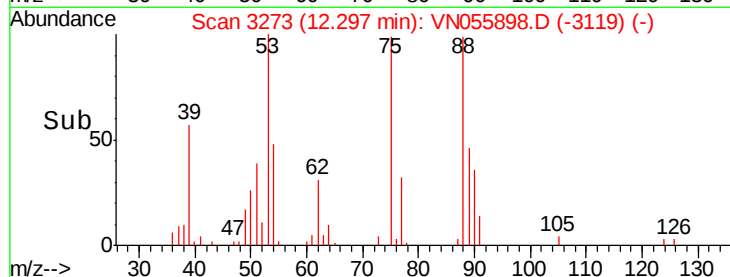
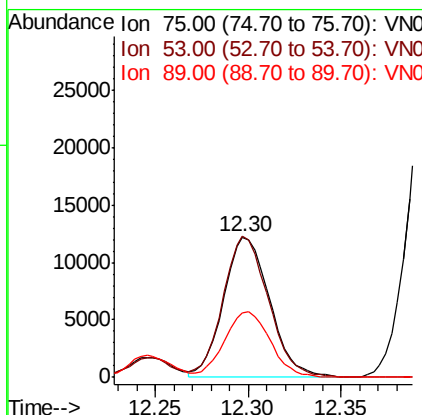
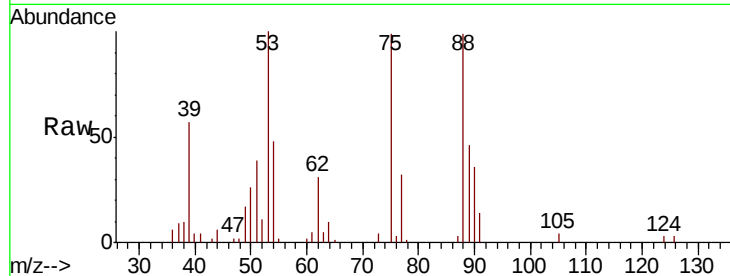




#77
t-1,4-Dichloro-2-butene
Concen: 14.337 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

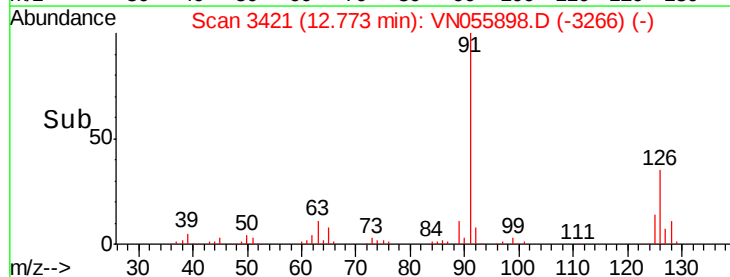
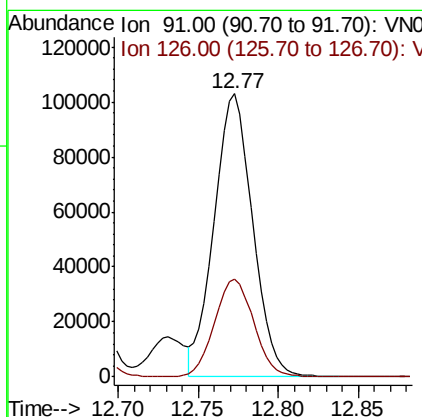
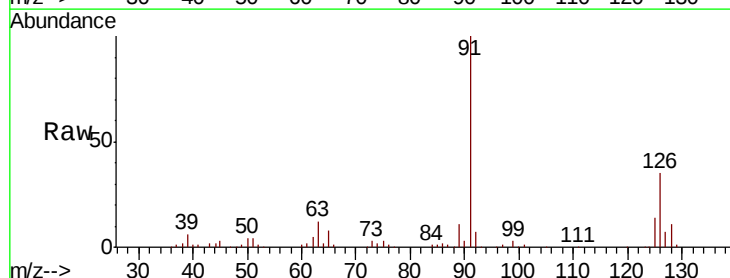
Instrument :
MSVOA_N
ClientSampled :

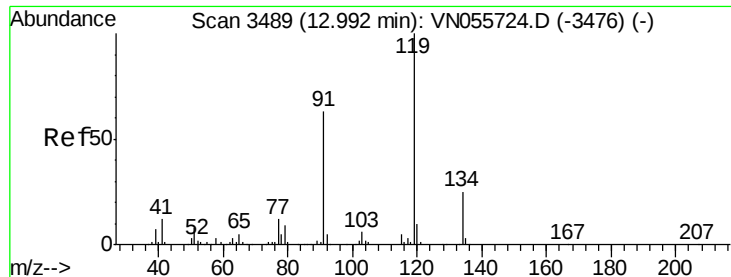
Tot Ion: 75 Resp: 21166
Ion Ratio Lower Upper
75 100
53 100.6 40.1 120.3
89 46.1 22.6 67.8



#78
4-Chlorotoluene
Concen: 19.487 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 91 Resp: 170733
Ion Ratio Lower Upper
91 100
126 35.1 0.0 69.0

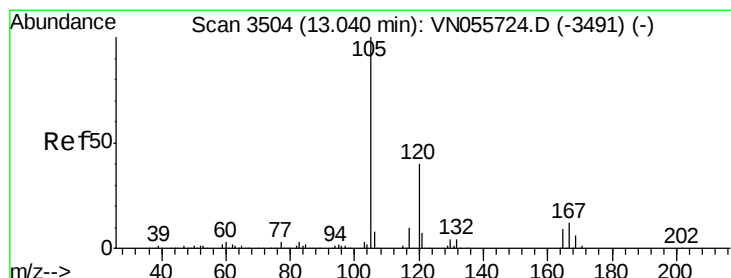
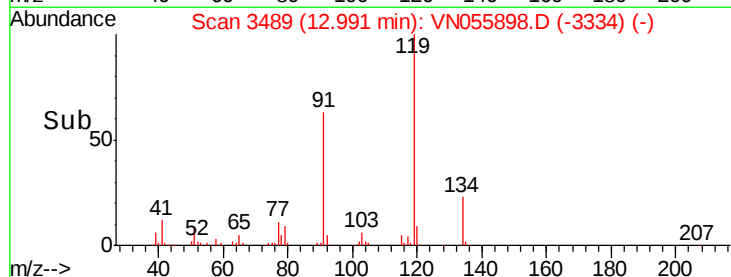
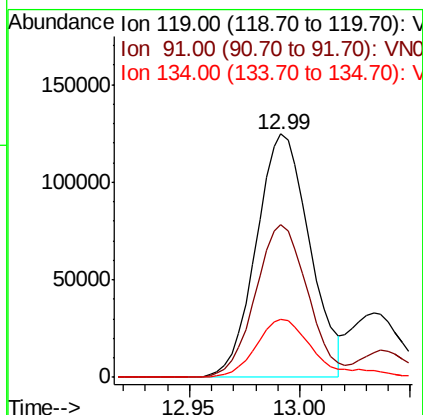
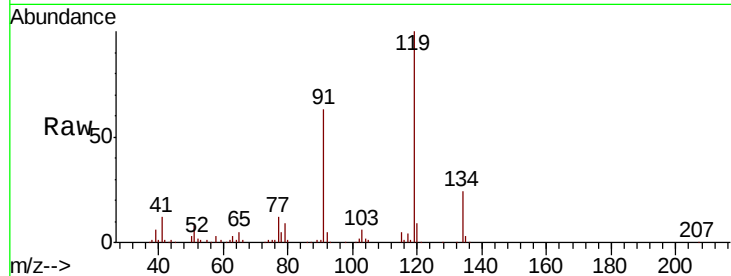




#79
tert-butylbenzene
Concen: 20.529 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

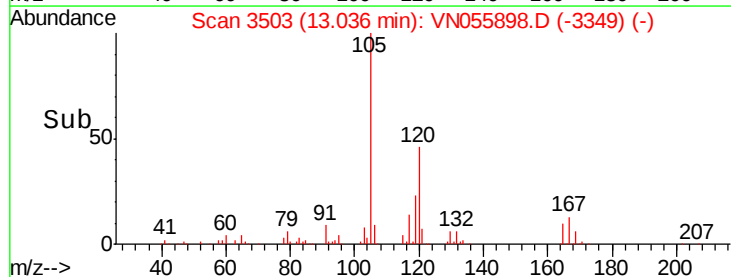
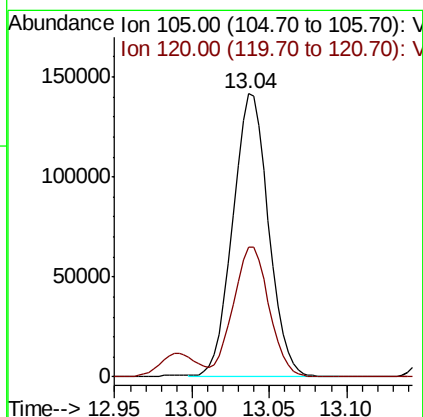
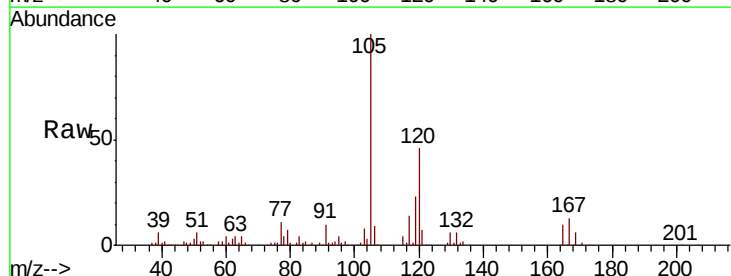
Instrument :
MSVOA_N
ClientSampleId :

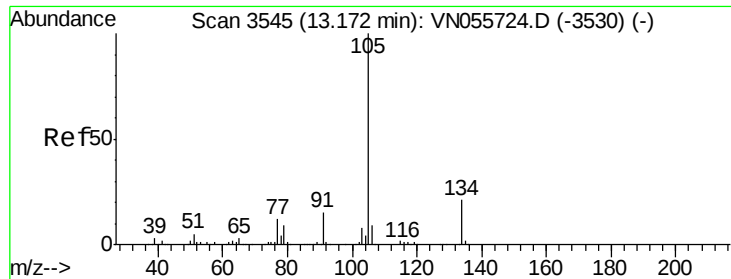
Tot Ion:119 Resp: 209331
Ion Ratio Lower Upper
119 100
91 61.5 0.0 123.8
134 26.1 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.692 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion:105 Resp: 226742
Ion Ratio Lower Upper
105 100
120 46.2 0.0 93.6

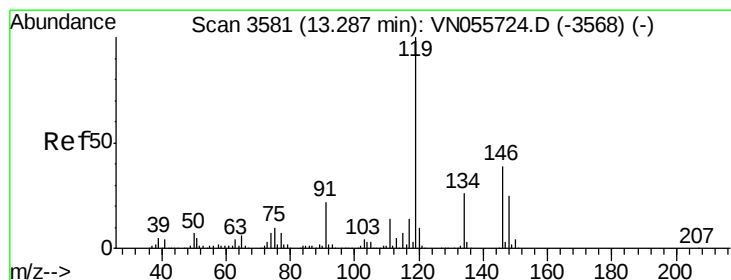
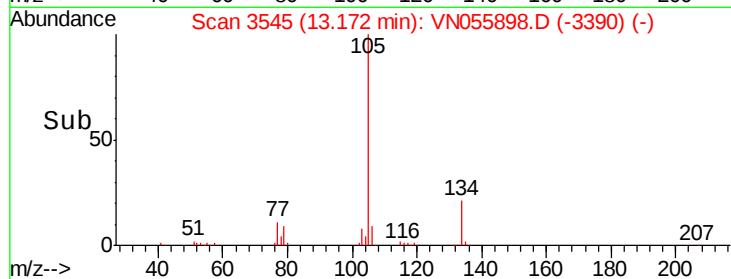
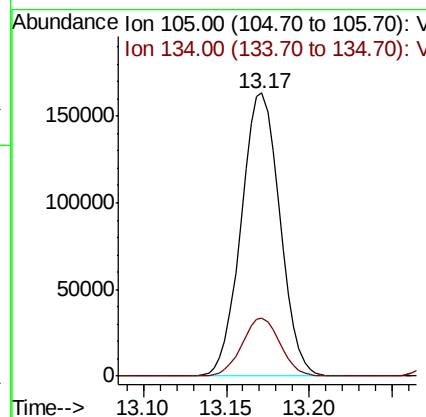
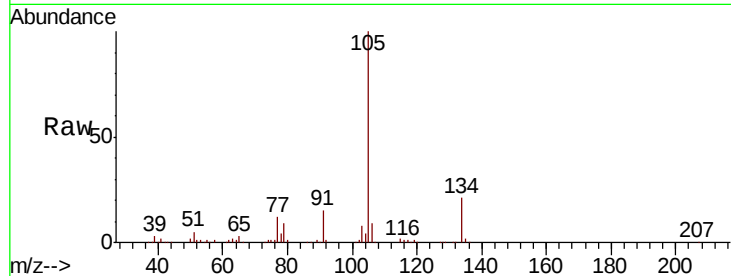




#81
 sec-Butylbenzene
 Concen: 20.513 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

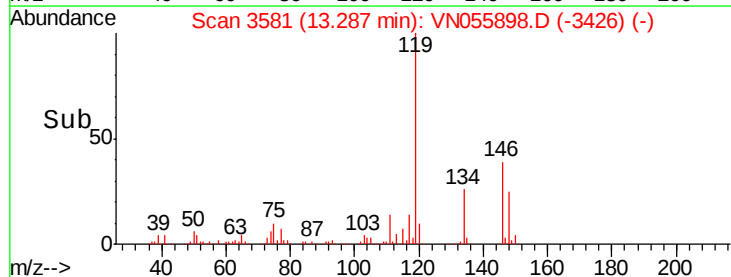
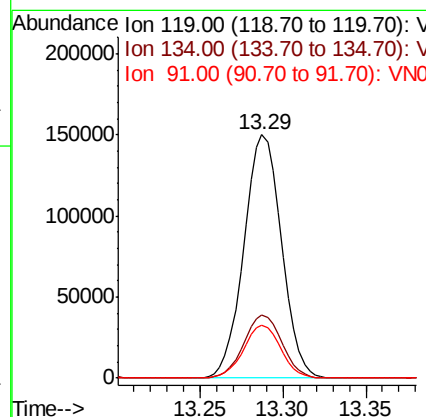
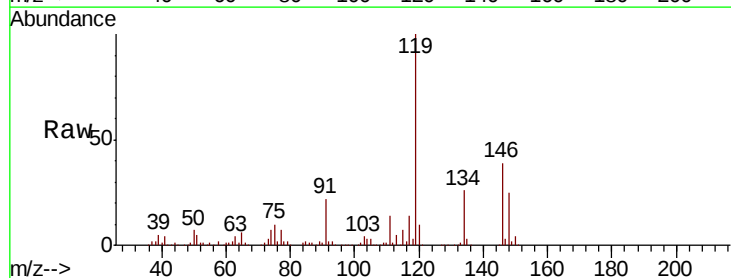
Instrument :
 MSVOA_N
 ClientSampled :

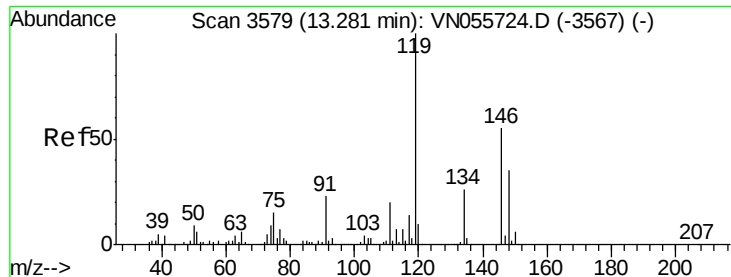
Tot Ion:105 Resp: 265764
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 41.4



#82
 p-Isopropyltoluene
 Concen: 19.873 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion:119 Resp: 236954
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.0
 91 21.6 0.0 44.4

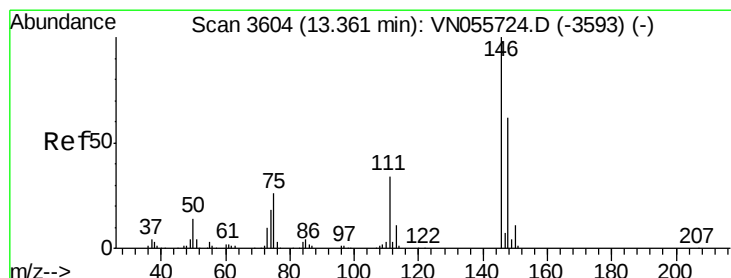
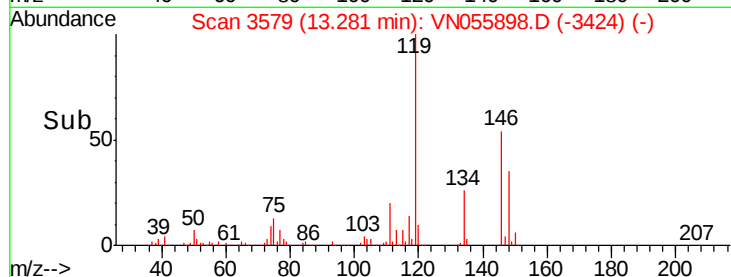
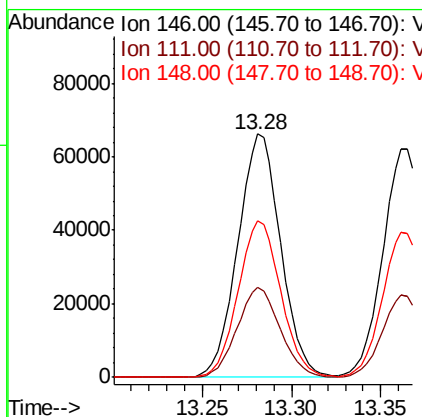
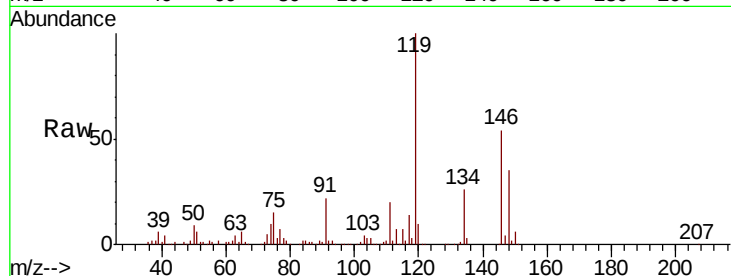




#83
 1,3-Dichlorobenzene
 Concen: 19.145 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

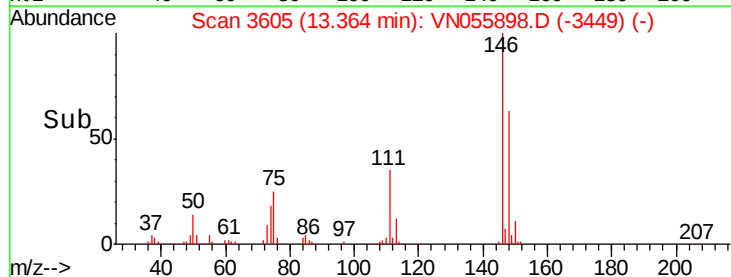
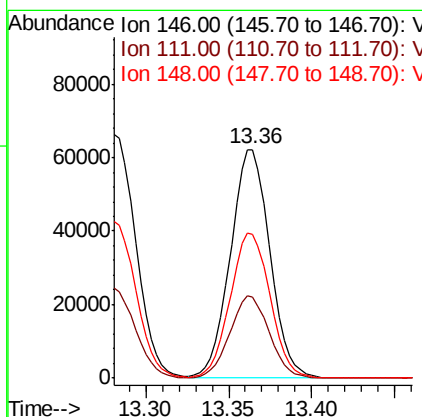
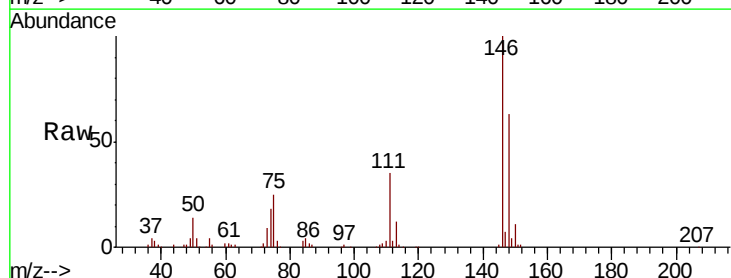
Instrument :
 MSVOA_N
 ClientSampleId :

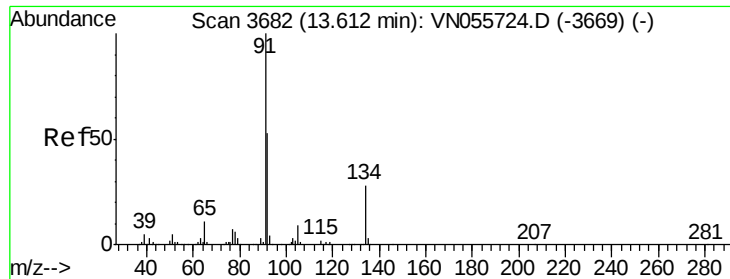
Tot Ion:146 Resp: 111410
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.6
 148 63.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.594 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion:146 Resp: 103046
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.5 52.6
 148 64.1 31.8 95.4

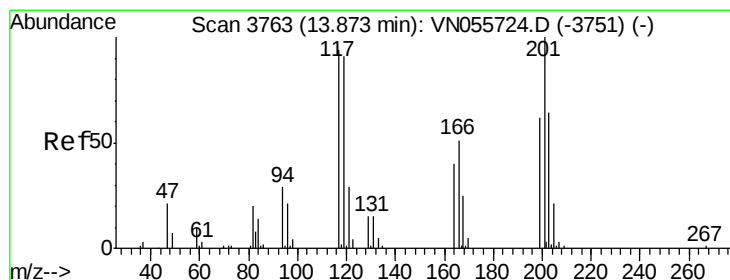
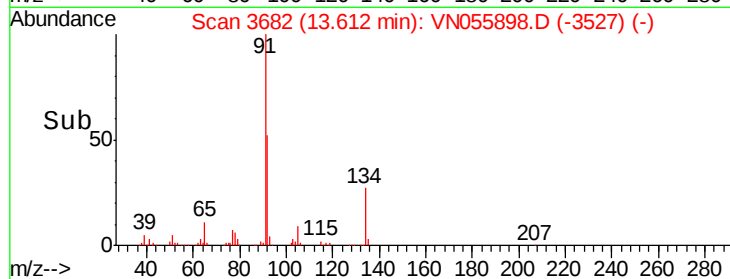
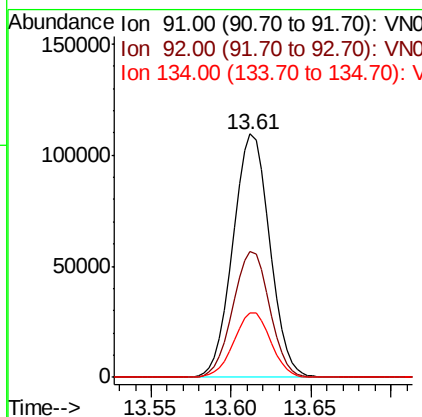
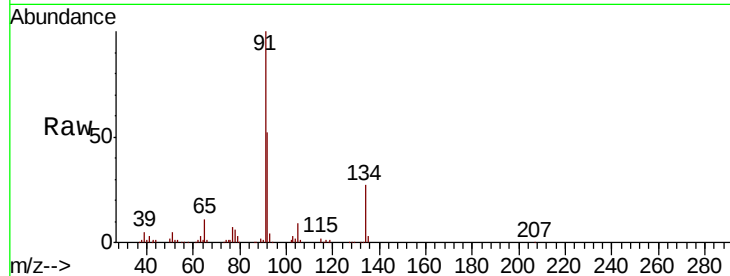




#85
n-Butylbenzene
Concen: 18.487 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

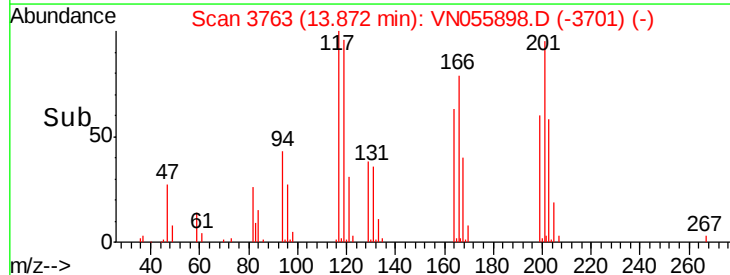
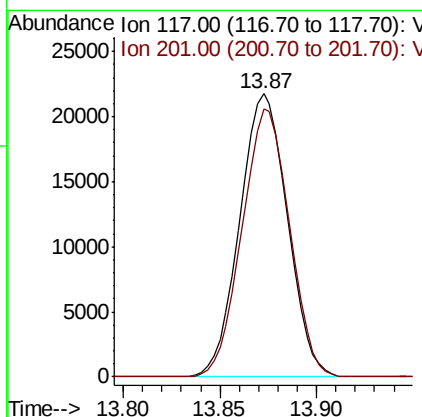
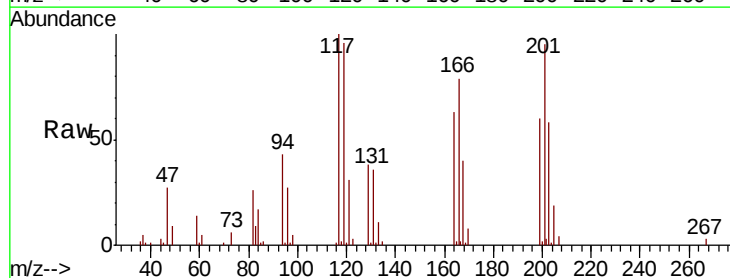
Instrument :
MSVOA_N
ClientSampled :

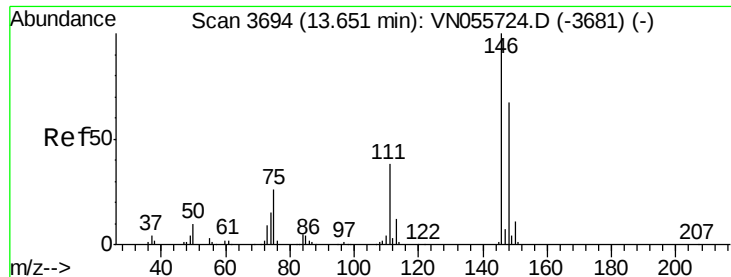
Tot Ion: 91 Resp: 171481
Ion Ratio Lower Upper
91 100
92 51.8 0.0 106.8
134 26.7 0.0 55.2



#86
Hexachloroethane
Concen: 15.919 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055898.D
Acq: 30 May 2019 14:13

Tgt Ion: 117 Resp: 37333
Ion Ratio Lower Upper
117 100
201 93.8 52.5 157.6





#87

1,2-Dichlorobenzene

Concen: 19.395 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampled :

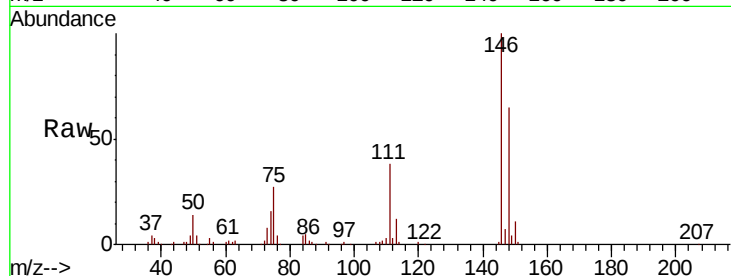
Tot Ion:146 Resp: 113649

Ion Ratio Lower Upper

146 100

111 38.2 19.2 57.6

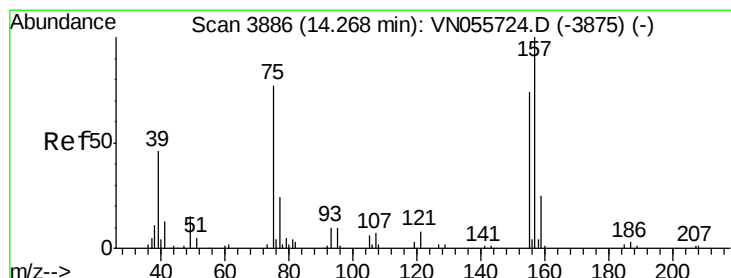
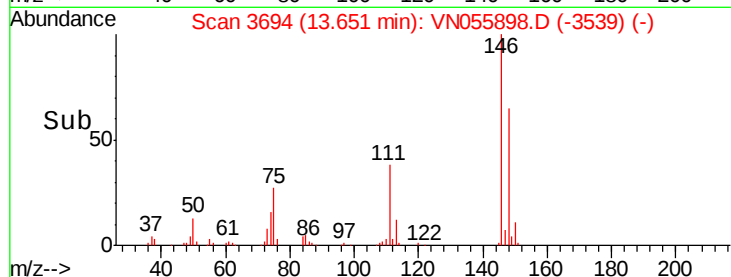
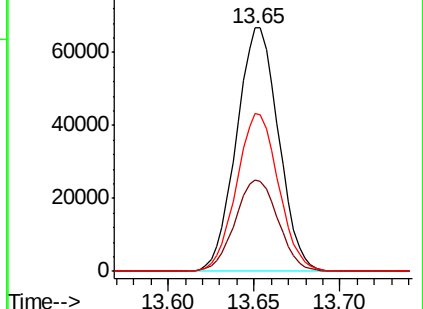
148 64.4 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.397 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

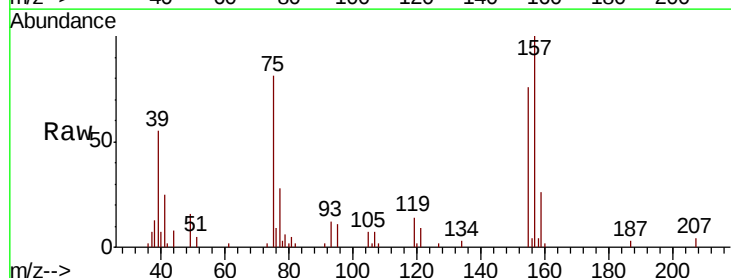
Tgt Ion: 75 Resp: 13421

Ion Ratio Lower Upper

75 100

155 95.8 78.4 117.6

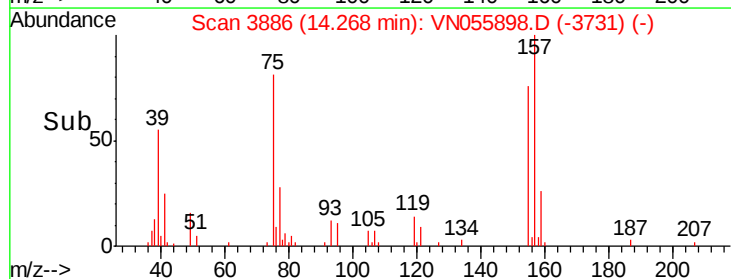
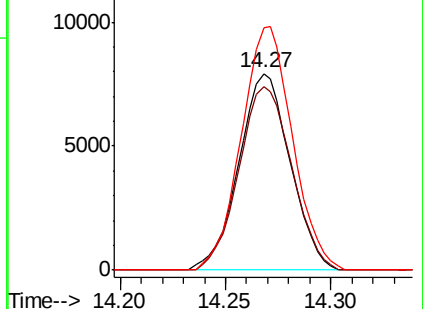
157 123.4 105.0 157.4

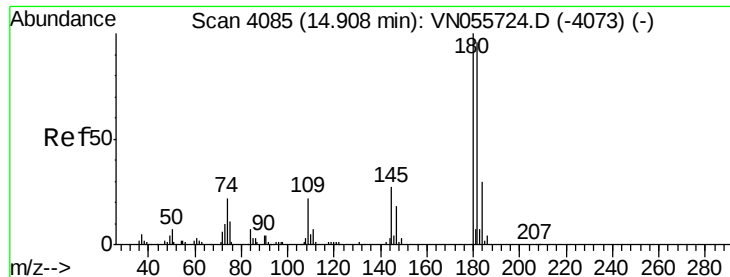


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

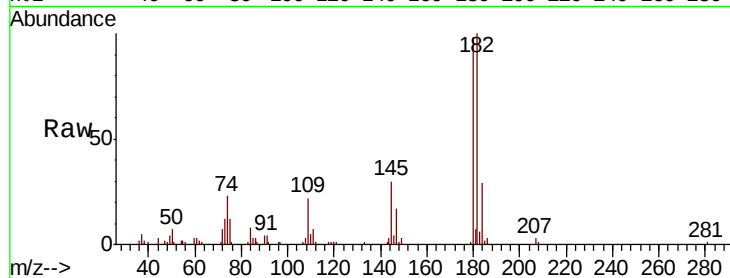




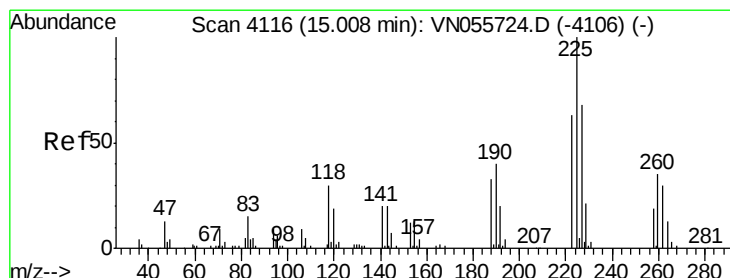
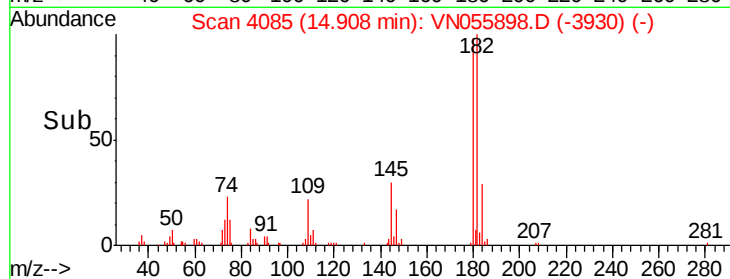
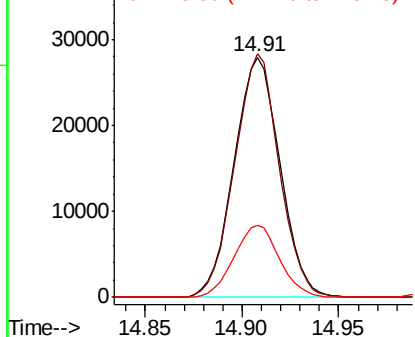
#89
 1,2,4-Trichlorobenzene
 Concen: 14.622 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.1	114.1
145	29.7	21.8	32.8

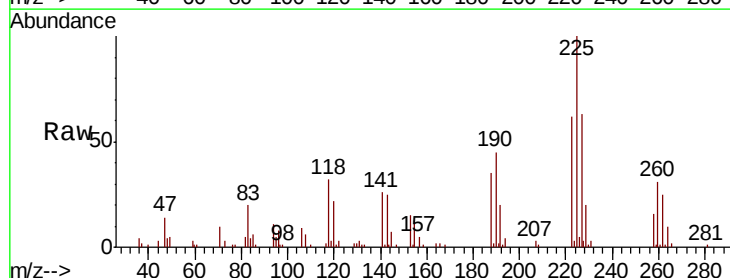


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

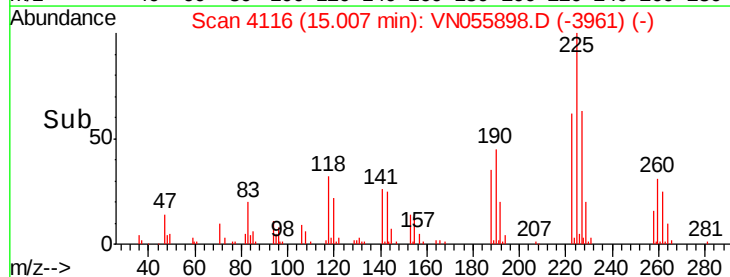
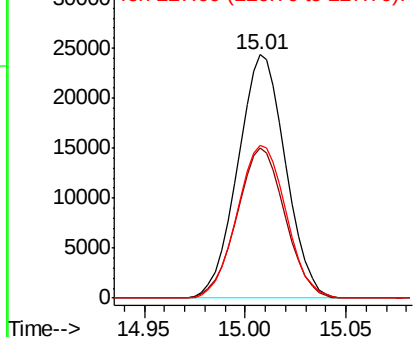


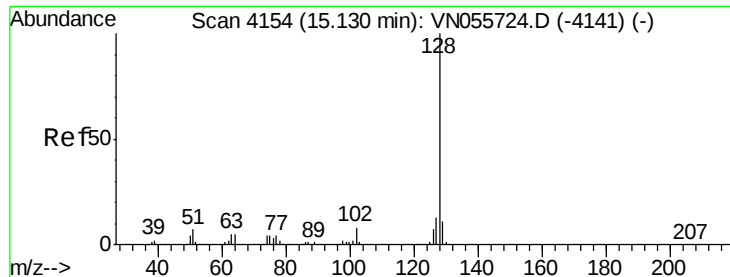
#90
 Hexachlorobutadiene
 Concen: 17.077 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055898.D
 Acq: 30 May 2019 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	126.0
227	64.5	0.0	133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.033 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

Instrument :

MSVOA_N

ClientSampleId :

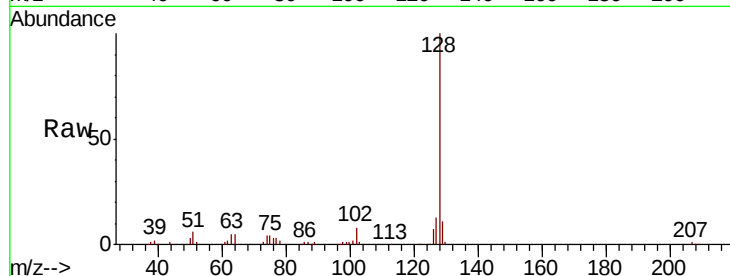
Tot Ion:128 Resp: 138566

Ion Ratio Lower Upper

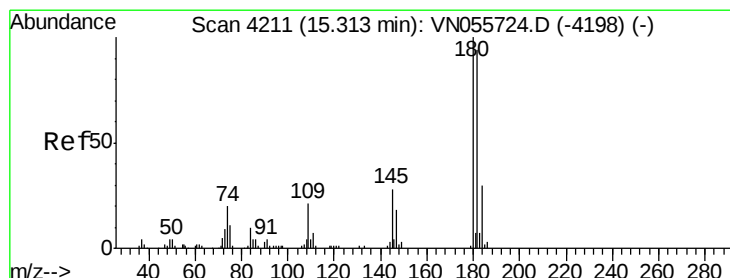
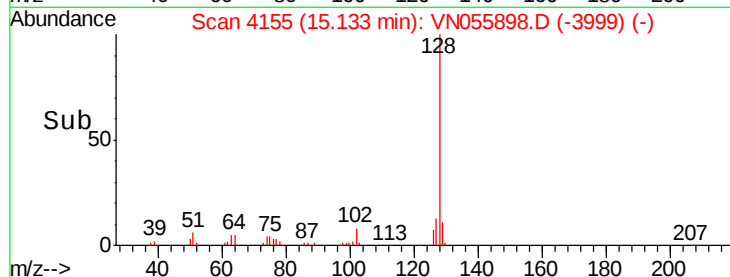
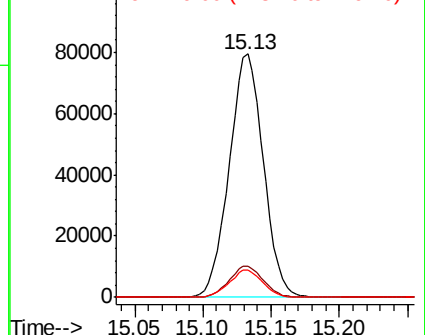
128 100

127 12.7 10.0 15.0

129 10.9 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



#92

1,2,3-Trichlorobenzene

Concen: 16.359 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055898.D

Acq: 30 May 2019 14:13

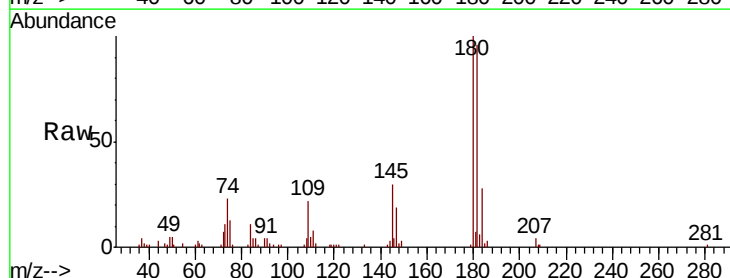
Tgt Ion:180 Resp: 54079

Ion Ratio Lower Upper

180 100

182 96.1 0.0 188.6

145 29.8 0.0 56.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

