

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026221.D
 Acq On : 03 Jan 2022 15:37
 Operator : JC/MD
 Sample : PB141788TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:51:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	184087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	325705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	291045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123089	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	146207	54.899	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.800%	
35) Dibromofluoromethane	5.391	113	108093	51.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	8.653	98	386378	49.055	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.120%	
62) 4-Bromofluorobenzene	11.079	95	136544	48.698	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.400%	

Target Compounds

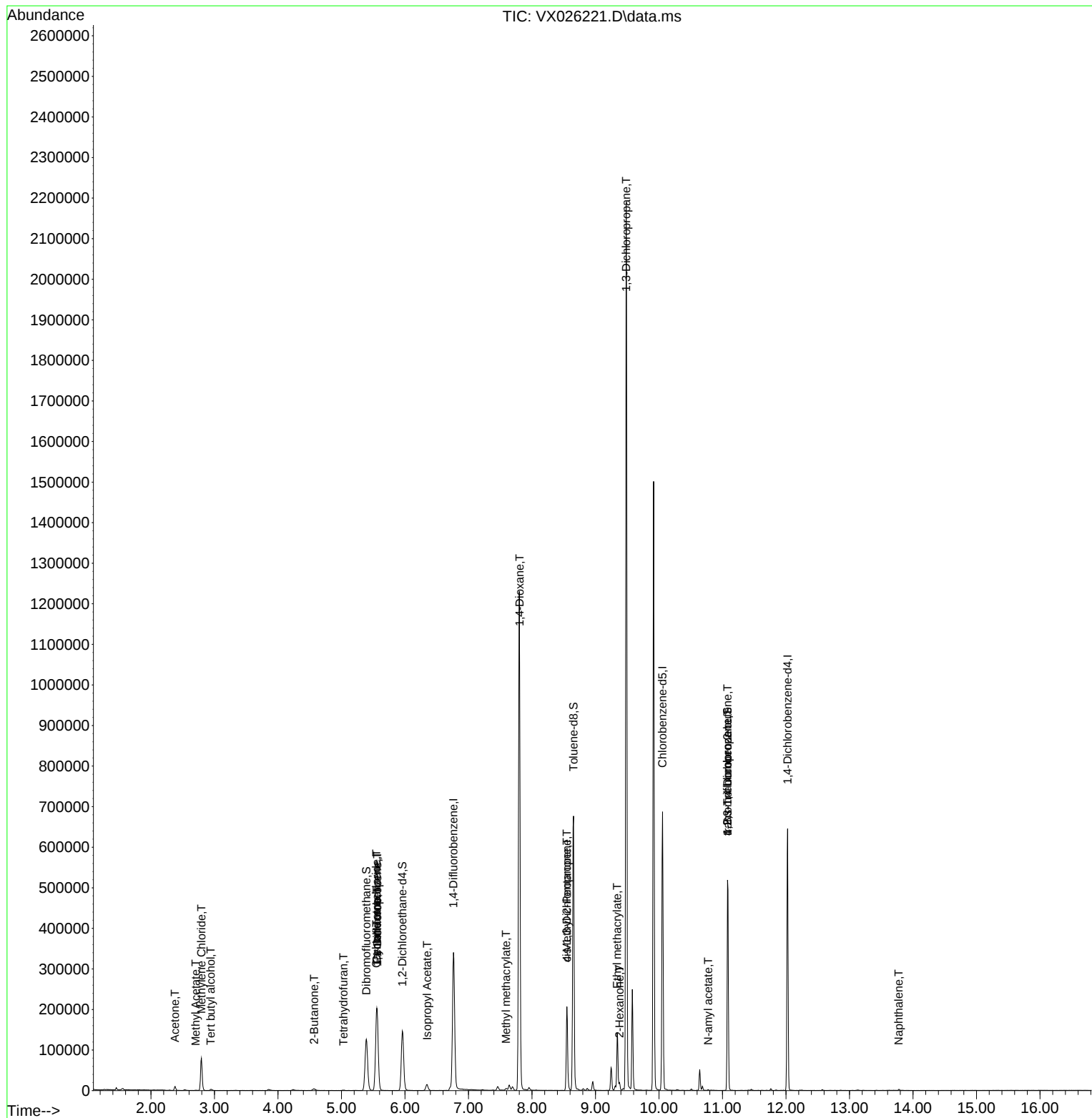
						Qvalue
11) Tert butyl alcohol	2.941	59	2288	4.301	ug/l #	76
16) Acetone	2.380	43	10349	7.172	ug/l	100
18) Methyl Acetate	2.703	43	1175	0.251	ug/l	94
20) Methylene Chloride	2.794	84	33529	13.849	ug/l	95
25) 2-Butanone	4.568	43	6068	3.019	ug/l	91
29) Tetrahydrofuran	5.032	42	641	0.506	ug/l #	34
31) Cyclohexane	5.556	56	4851	1.279	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	16097	4.713	ug/l #	49
38) Carbon Tetrachloride	5.550	117	19975	5.258	ug/l #	15
43) Isopropyl Acetate	6.349	43	20800	3.223	ug/l	94
48) Methyl methacrylate	7.592	41	6078	1.964	ug/l #	12
49) 1,4-Dioxane	7.806	88	195	3.419	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	73919	18.404	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	30138	7.579	ug/l #	69
56) Ethyl methacrylate	9.342	69	765	0.201	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	17987	4.258	ug/l #	42
59) 2-Hexanone	9.378	43	9120	2.998	ug/l #	25
74) N-amyl acetate	10.775	43	940	0.214	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	74707	25.145	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	74707	72.744	ug/l #	10
95) Naphthalene	13.774	128	2229	0.234	ug/l #	95

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

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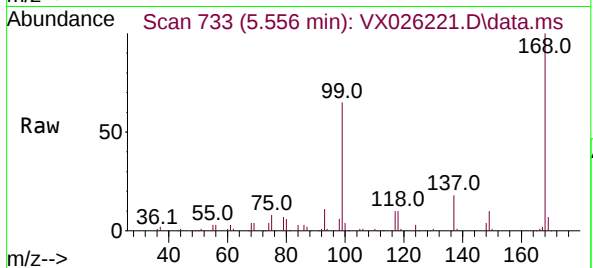
Quant Time: Jan 04 03:51:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
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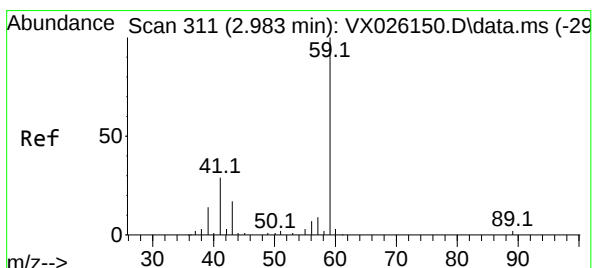
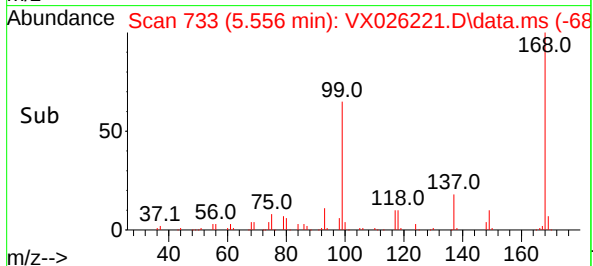
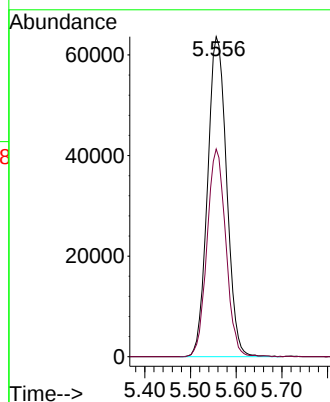


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

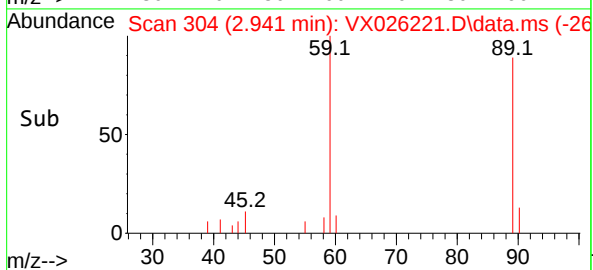
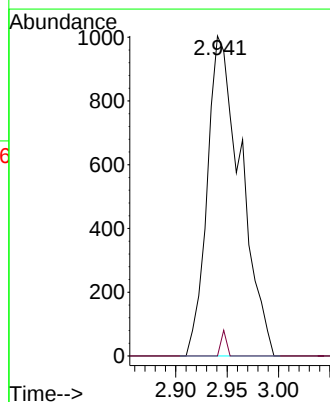
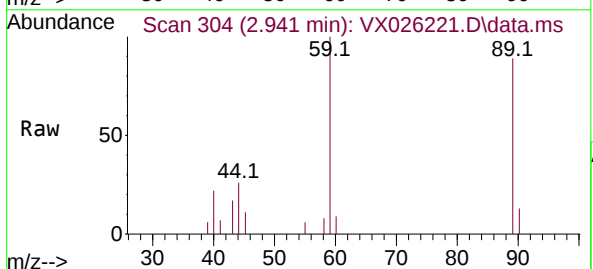


Tgt Ion:168 Resp: 184087
Ion Ratio Lower Upper
168 100
99 64.9 45.8 68.8



#11
Tert butyl alcohol
Concen: 4.301 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 59 Resp: 2288
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#

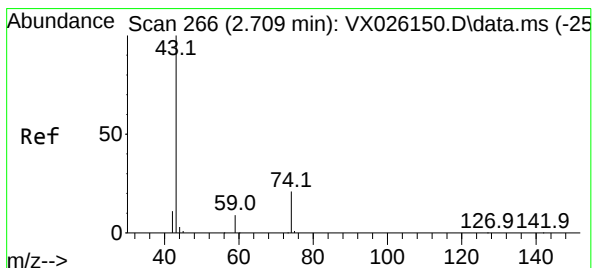
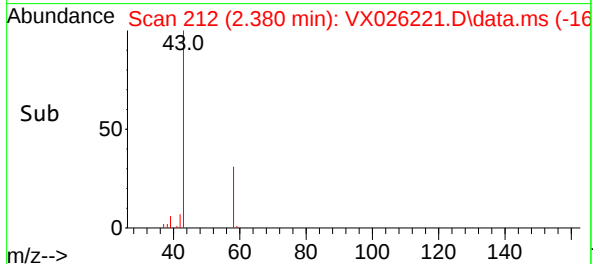
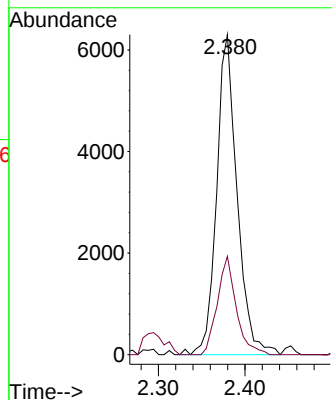
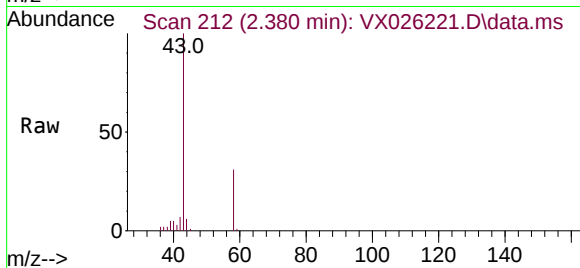




#16
Acetone
Concen: 7.172 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

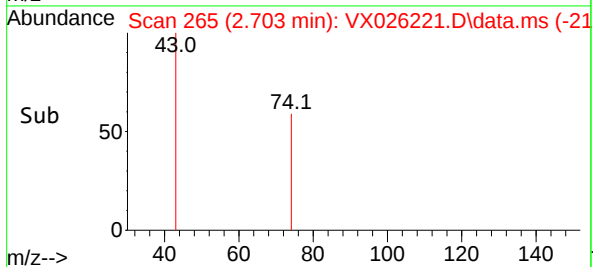
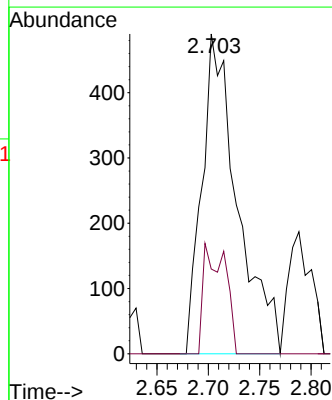
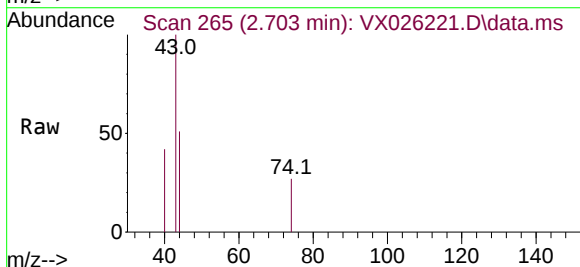
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 10349
Ion Ratio Lower Upper
43 100
58 30.7 24.8 37.2



#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

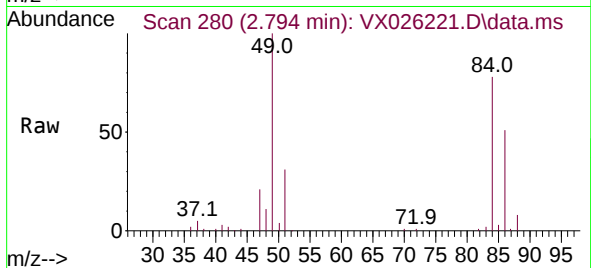
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
74 21.0 19.1 28.7



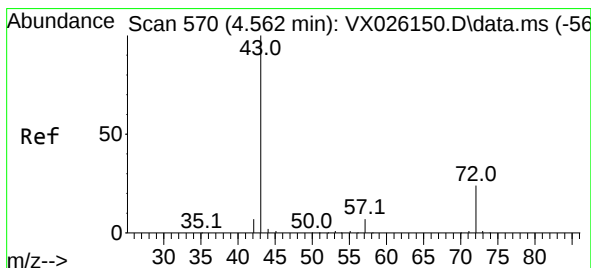
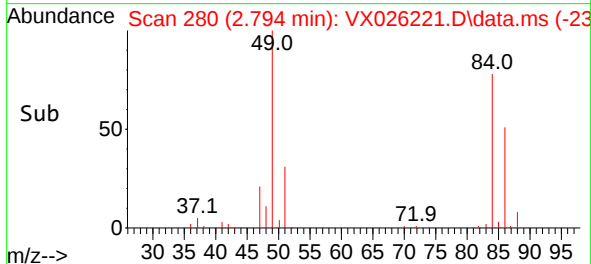
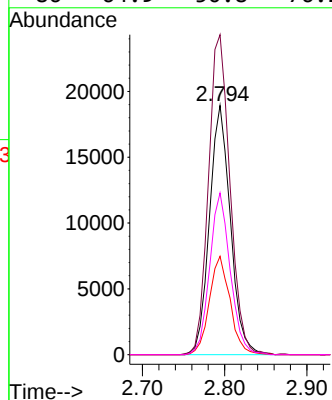


#20
Methylene Chloride
Concen: 13.849 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

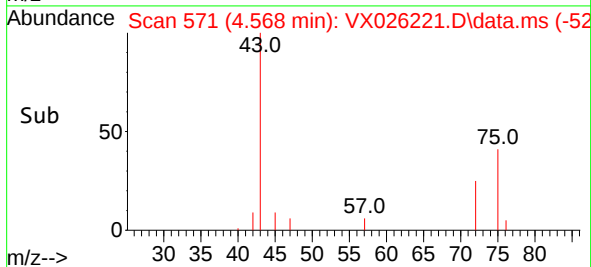
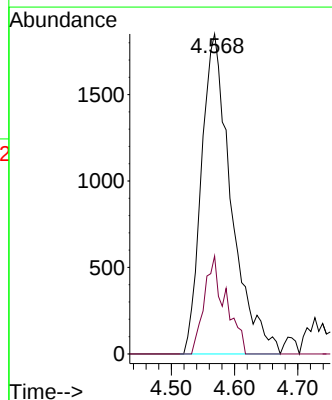
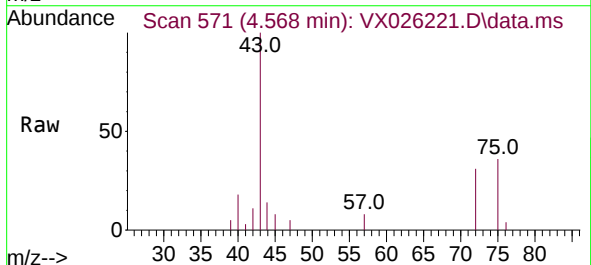


Tgt Ion: 84	Resp: 33529
Ion Ratio	Lower Upper
84 100	
49 128.4	97.1 145.7
51 39.5	29.3 43.9
86 64.9	50.8 76.2



#25
2-Butanone
Concen: 3.019 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 43	Resp: 6068
Ion Ratio	Lower Upper
43 100	
72 30.6	21.0 31.4





#29

Tetrahydrofuran

Concen: 0.506 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.019 min

Lab File: VX026221.D

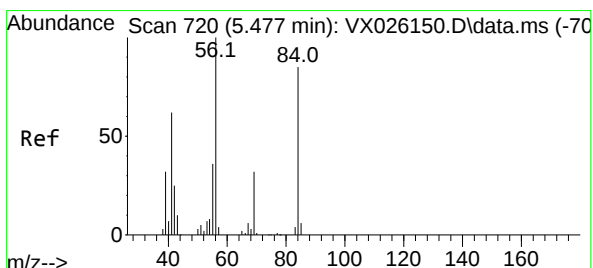
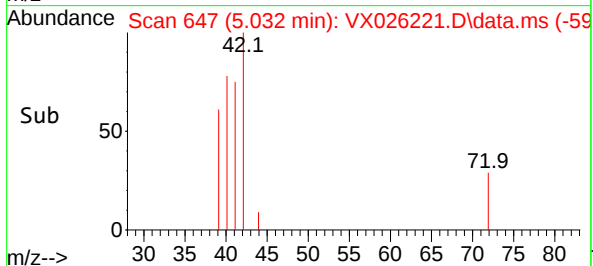
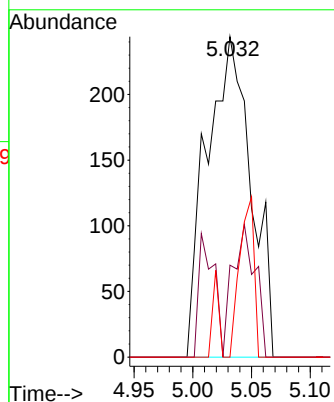
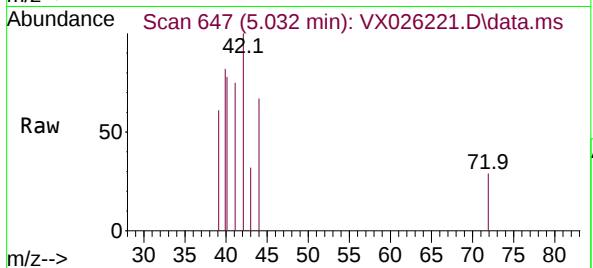
Acq: 03 Jan 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	641
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.6#
71	3.7	34.1	51.1#



#31

Cyclohexane

Concen: 1.279 ug/l

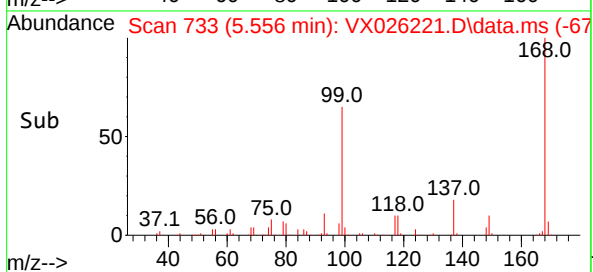
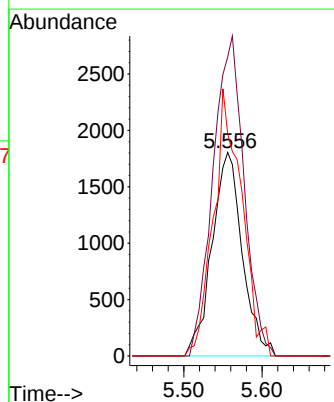
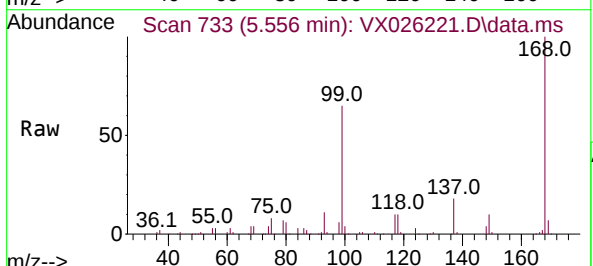
RT: 5.556 min Scan# 733

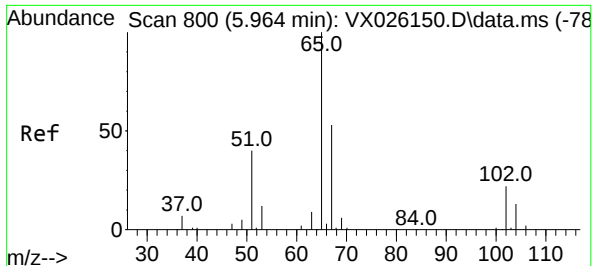
Delta R.T. 0.079 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

Tgt Ion:	56	Resp:	4851
Ion	Ratio	Lower	Upper
56	100		
69	147.0	23.9	35.9#
84	109.1	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 54.899 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

Instrument :

MSVOA_X

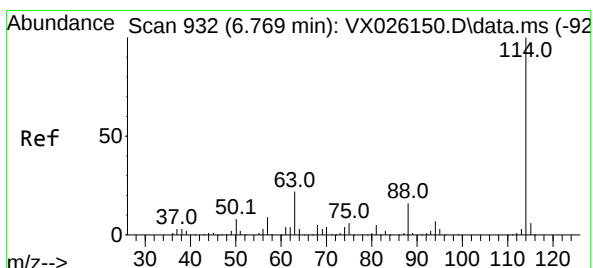
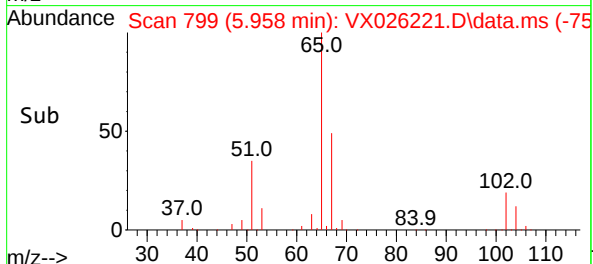
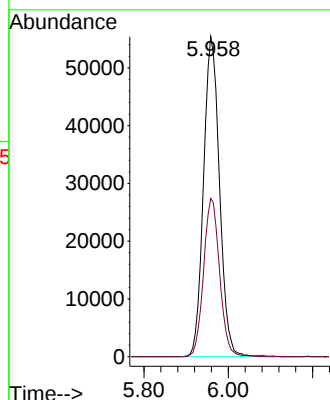
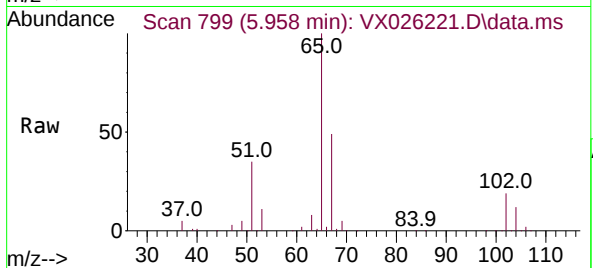
ClientSampleId :

Tgt Ion: 65 Resp: 146207

Ion Ratio Lower Upper

65 100

67 49.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

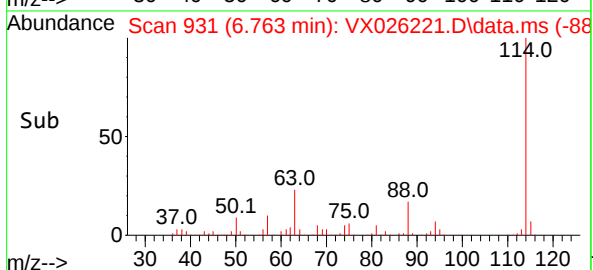
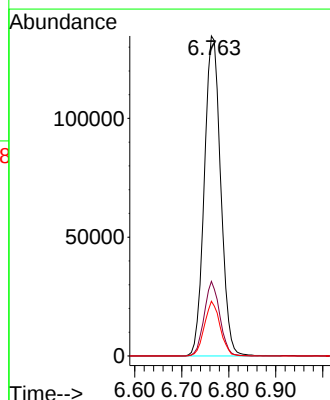
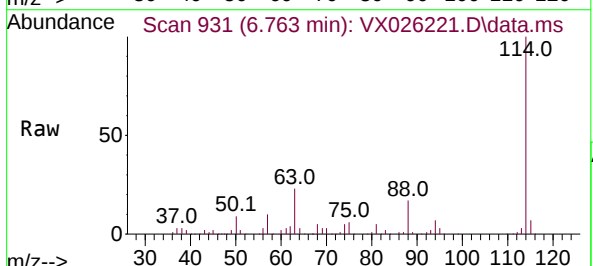
Tgt Ion: 114 Resp: 325705

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

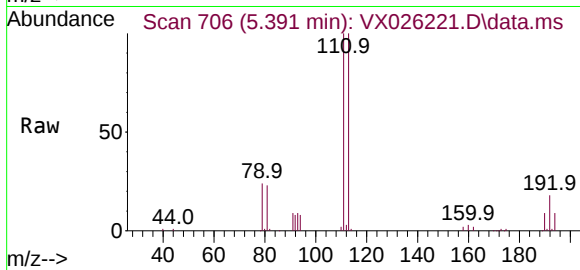
88 17.1 0.0 30.6



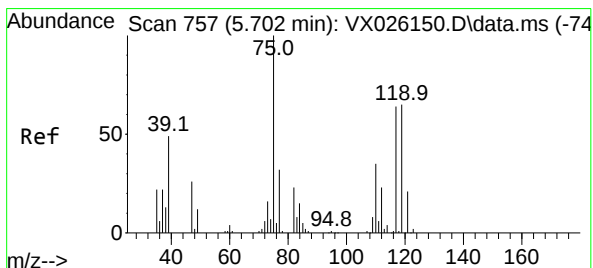
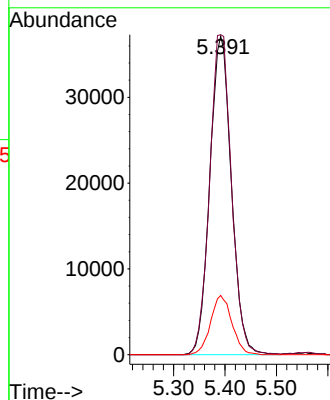
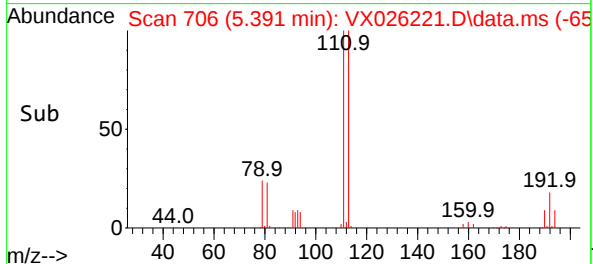


#35
Dibromofluoromethane
Concen: 51.047 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

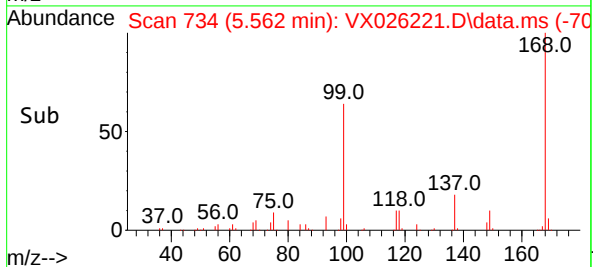
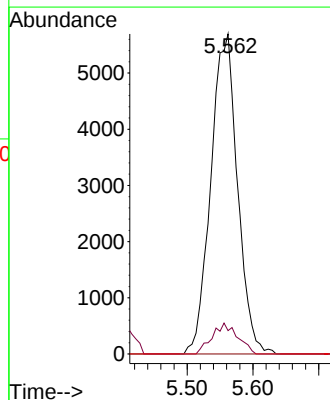
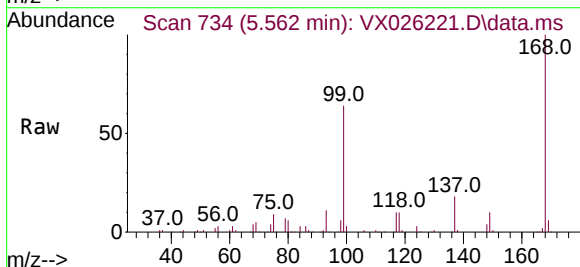


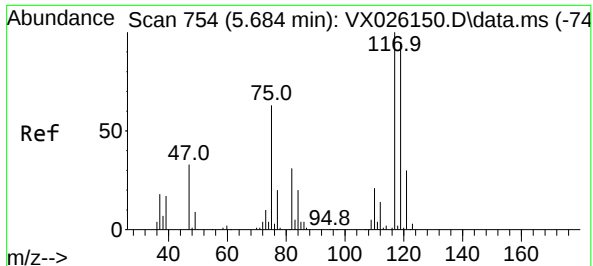
Tgt Ion:113 Resp: 108093
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

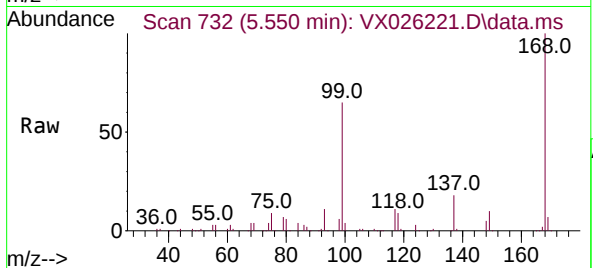
Tgt Ion: 75 Resp: 16097
Ion Ratio Lower Upper
75 100
110 9.2 18.2 54.6#
77 0.0 24.7 37.1#



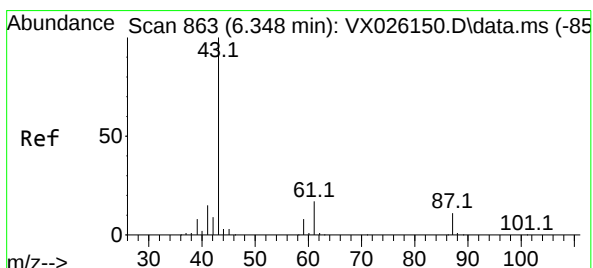
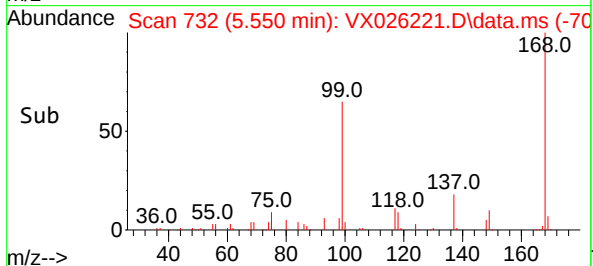
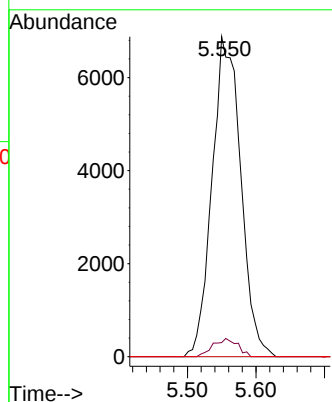


#38
Carbon Tetrachloride
Concen: 5.258 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :

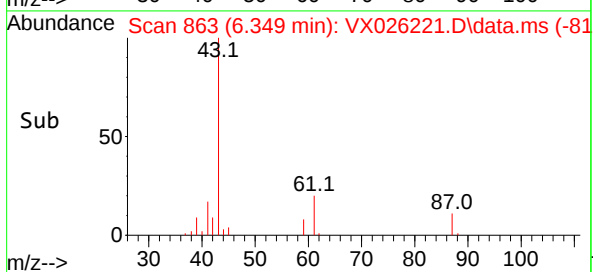
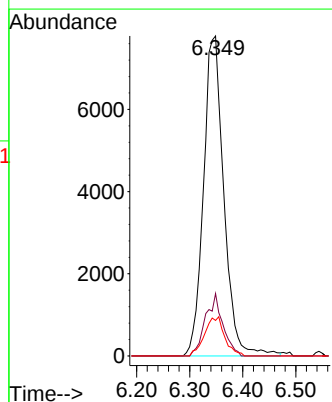
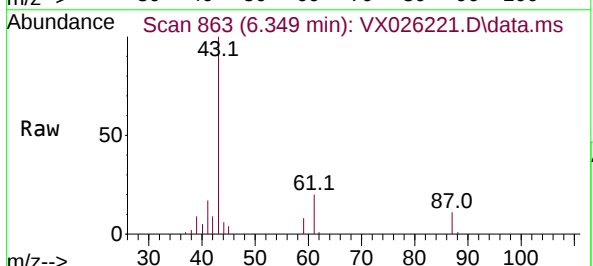


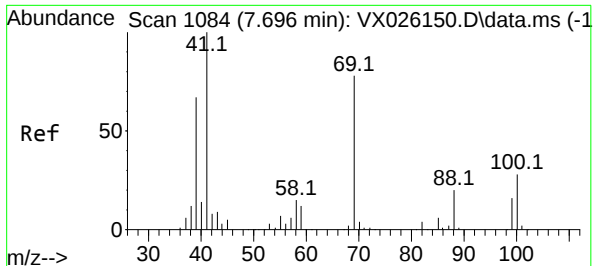
Tgt Ion:117 Resp: 19975
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.223 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 43 Resp: 20800
Ion Ratio Lower Upper
43 100
61 16.7 15.7 23.5
87 12.1 11.2 16.8





#48

Methyl methacrylate

Concen: 1.964 ug/l

RT: 7.592 min Scan# 1107

Delta R.T. -0.104 min

Lab File: VX026221.D

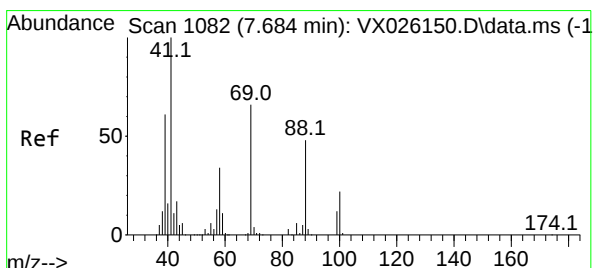
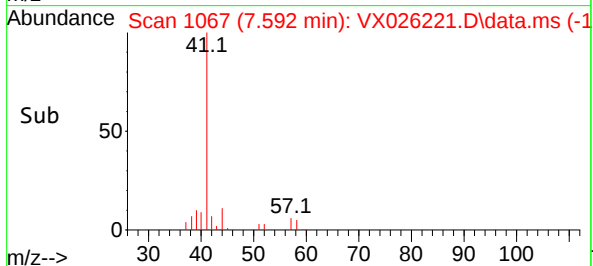
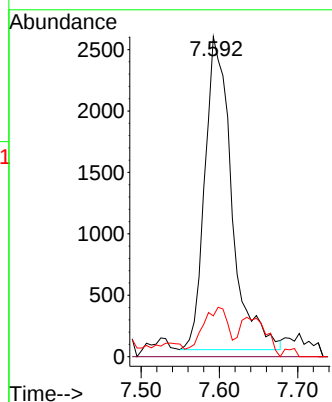
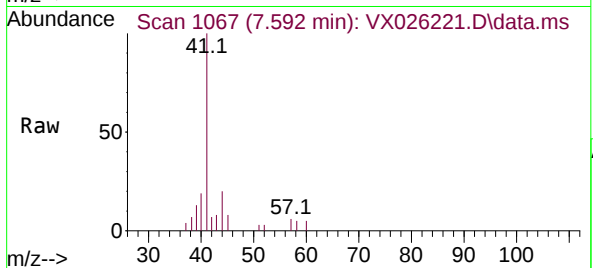
Acq: 03 Jan 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 6078
Ion Ratio	Lower Upper
41	100
69	0.0 67.3 100.9#
39	0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 3.419 ug/l

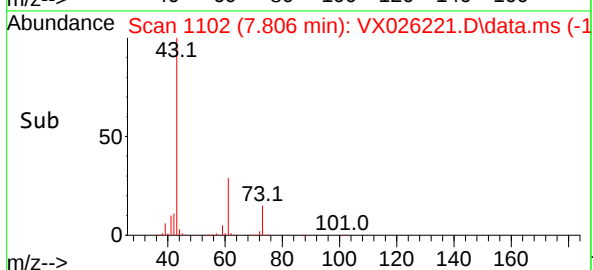
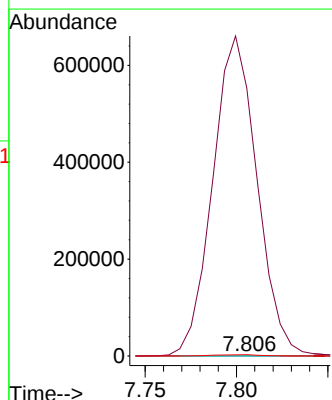
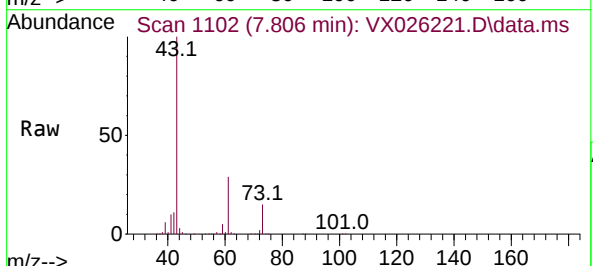
RT: 7.806 min Scan# 1102

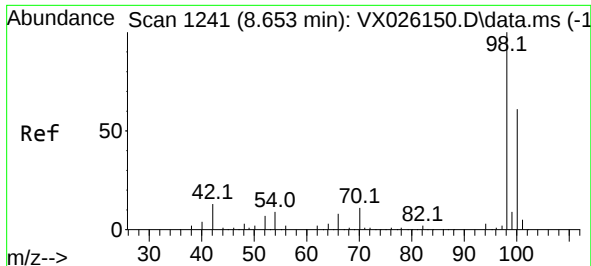
Delta R.T. 0.122 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

Tgt Ion: 88	Resp: 195
Ion Ratio	Lower Upper
88	100
43	575106.2 25.3 37.9#
58	2372.8 51.8 77.6#

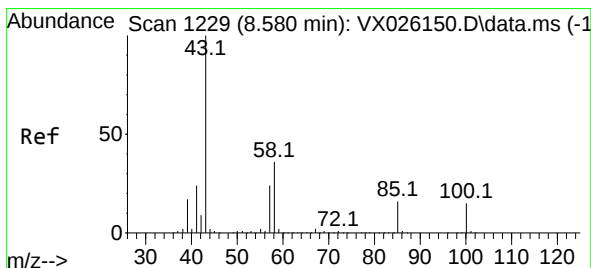
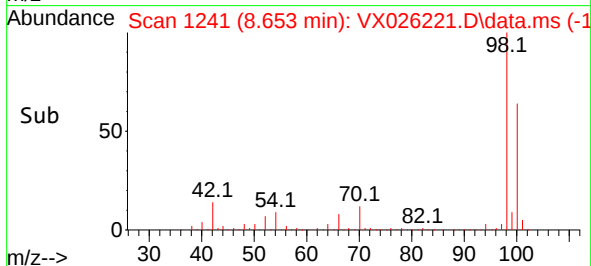
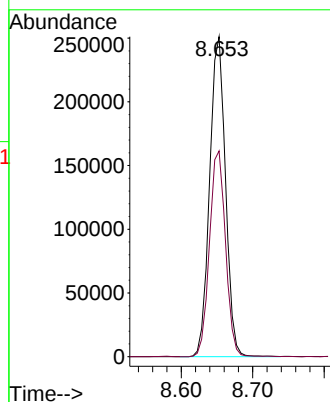
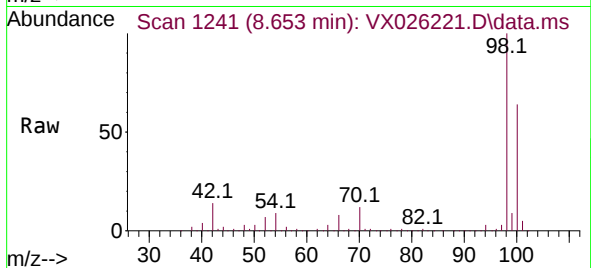




#50
Toluene-d8
Concen: 49.055 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

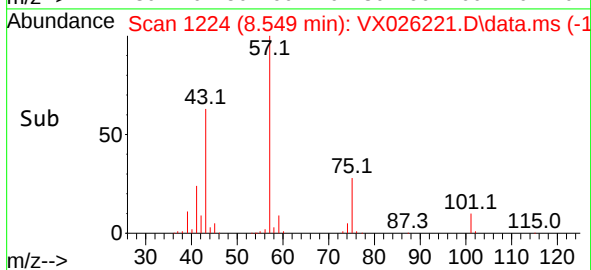
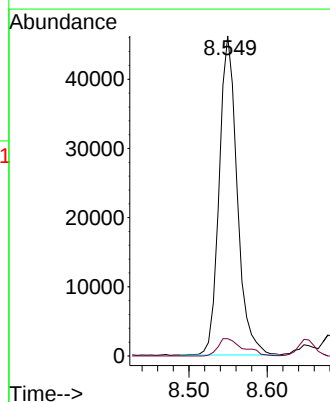
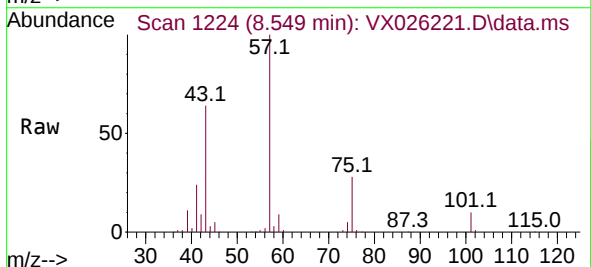
Instrument :
MSVOA_X
ClientSampleId :

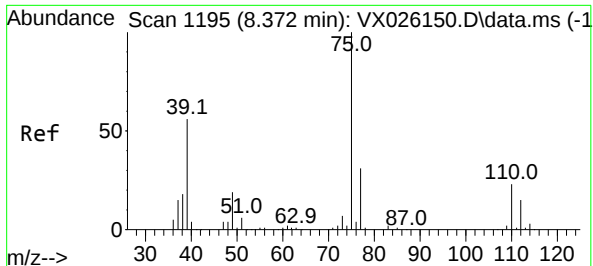
Tgt Ion: 98 Resp: 386378
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.404 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 43 Resp: 73919
Ion Ratio Lower Upper
43 100
58 7.5 30.8 46.2#

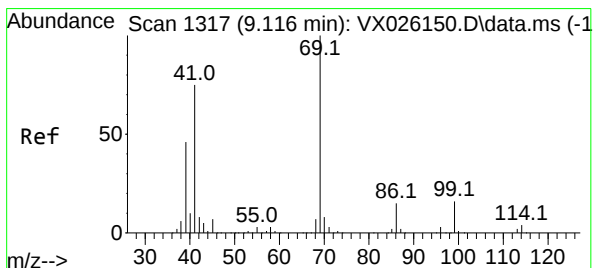
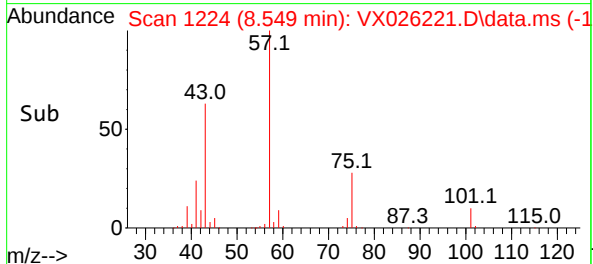
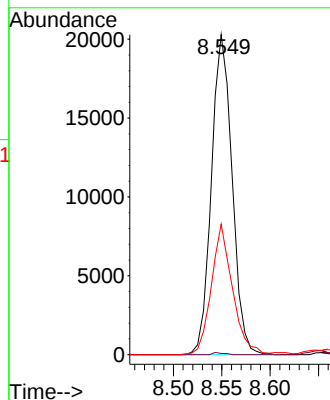
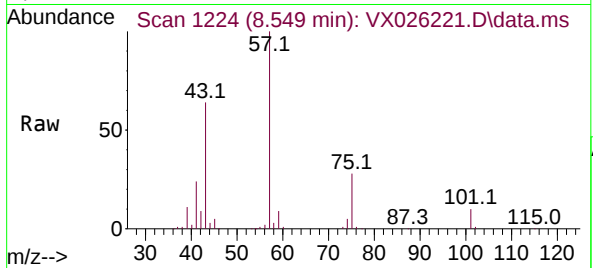




#54
cis-1,3-Dichloropropene
Concen: 7.579 ug/l
RT: 8.549 min Scan# 1195
Delta R.T. 0.177 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

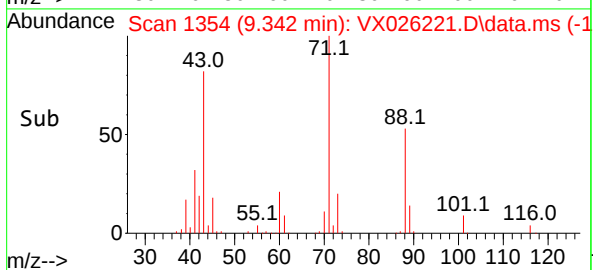
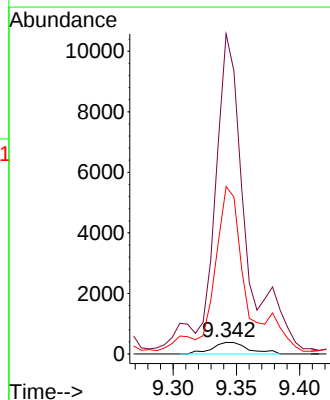
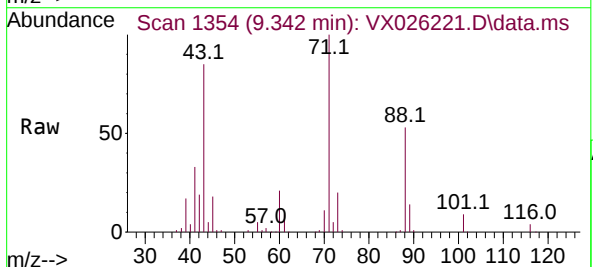
Instrument :
MSVOA_X
ClientSampleId :

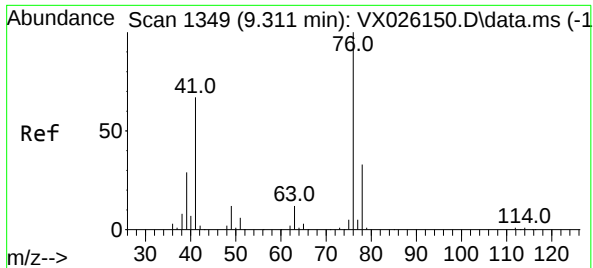
Tgt Ion: 75 Resp: 30138
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 40.8 41.4 62.0#



#56
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 9.342 min Scan# 1354
Delta R.T. 0.226 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 69 Resp: 765
Ion Ratio Lower Upper
69 100
41 1994.8 52.8 79.2#
39 1122.4 32.5 48.7#

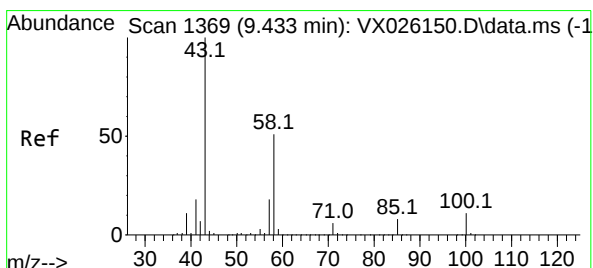
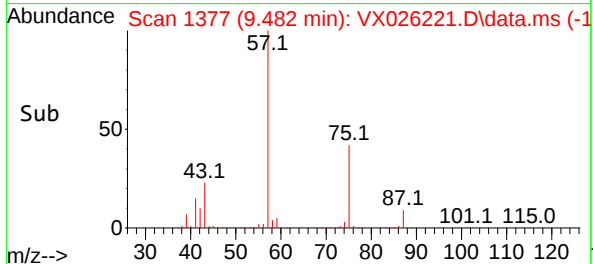
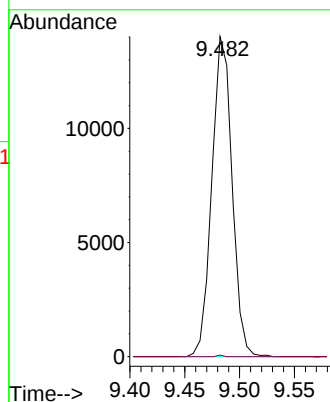
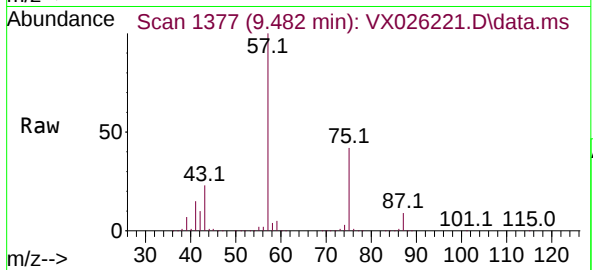




#57
1,3-Dichloropropane
Concen: 4.258 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

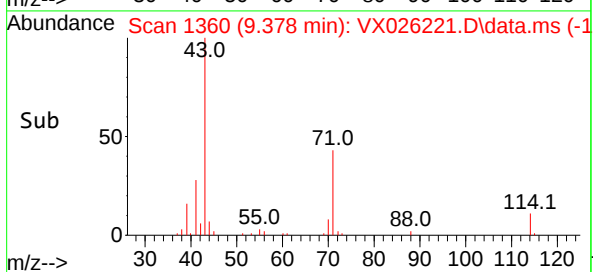
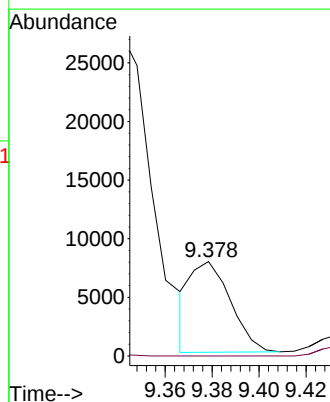
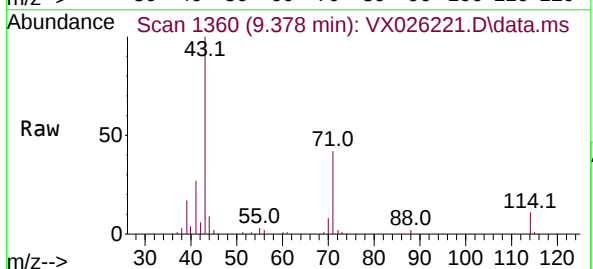
Instrument :
MSVOA_X
ClientSampleId :

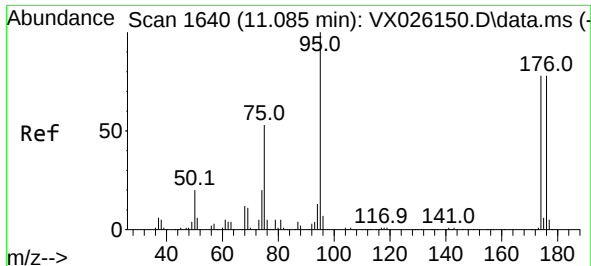
Tgt Ion: 76 Resp: 17987
Ion Ratio Lower Upper
76 100
78 0.1 26.0 39.0#



#59
2-Hexanone
Concen: 2.998 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Tgt Ion: 43 Resp: 9120
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.6#





#62

4-Bromofluorobenzene

Concen: 48.698 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

Instrument :

MSVOA_X

ClientSampleId :

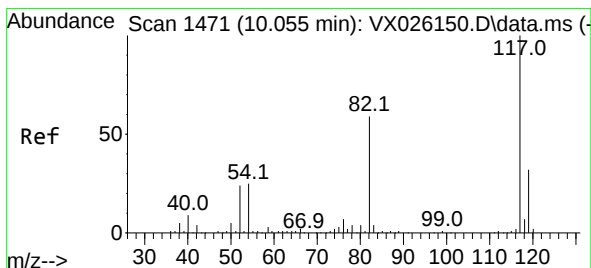
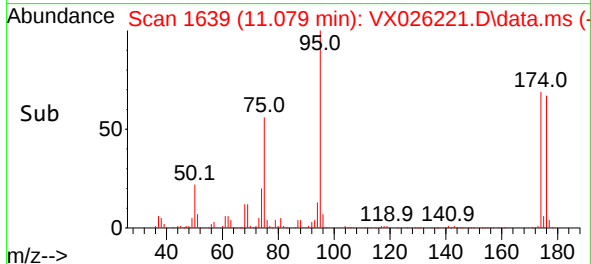
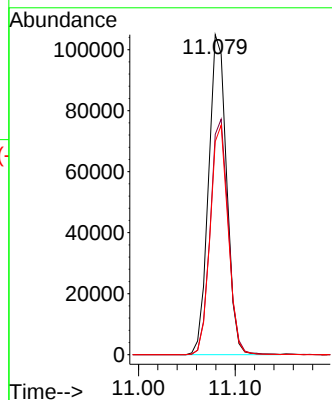
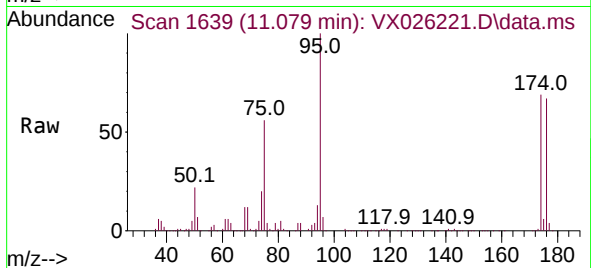
Tgt Ion: 95 Resp: 136544

Ion Ratio Lower Upper

95 100

174 73.4 0.0 157.4

176 71.2 0.0 154.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

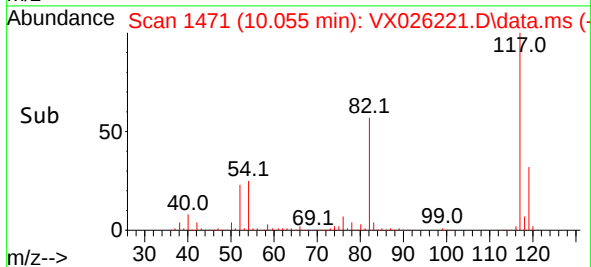
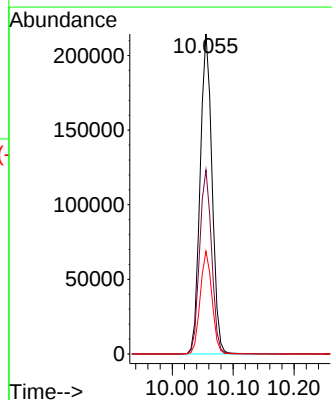
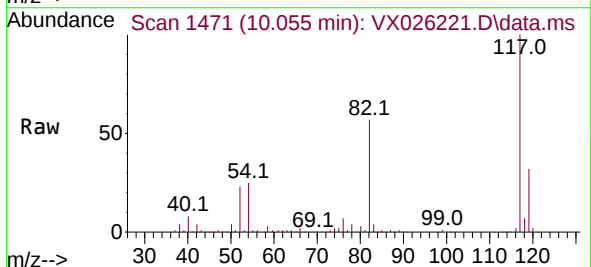
Tgt Ion: 117 Resp: 291045

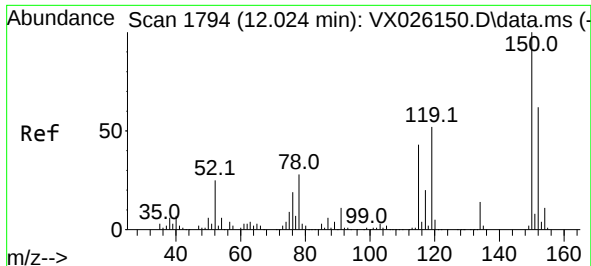
Ion Ratio Lower Upper

117 100

82 57.5 43.8 65.6

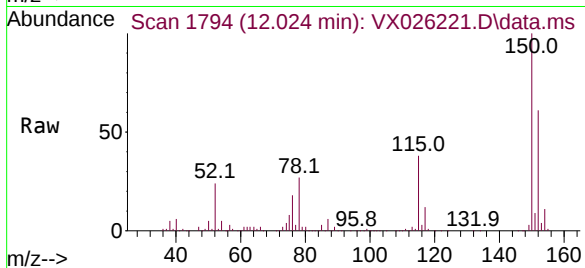
119 32.1 25.2 37.8



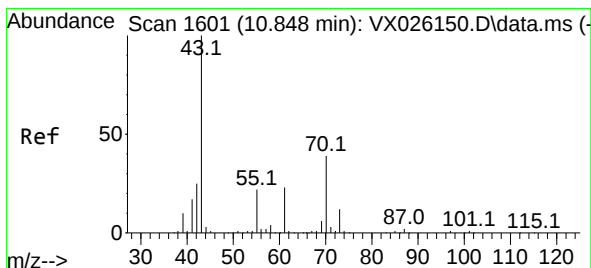
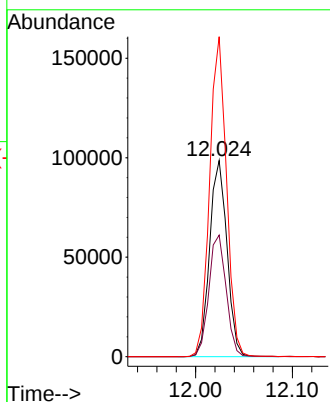
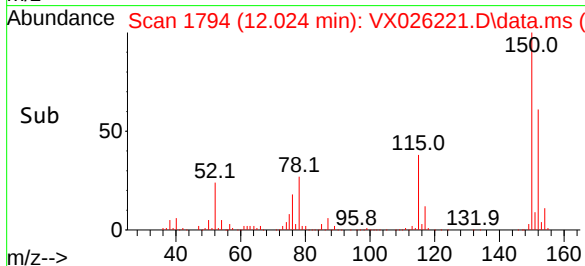


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

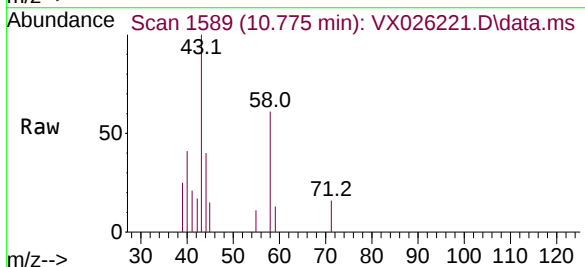
Instrument :
MSVOA_X
ClientSampleId :



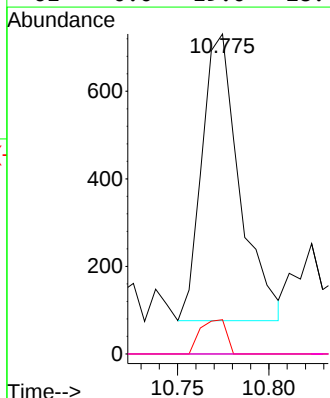
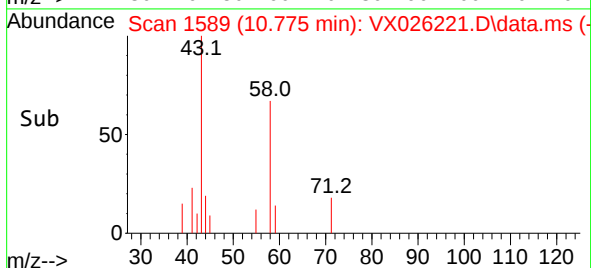
Tgt Ion:152 Resp: 123089
Ion Ratio Lower Upper
152 100
115 62.1 41.3 123.9
150 158.3 0.0 351.8

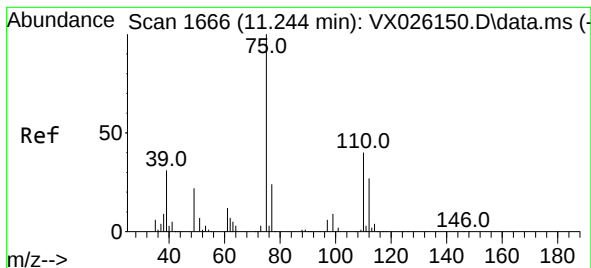


#74
N-ethyl acetate
Concen: 0.214 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37



Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
70 0.0 34.1 51.1#
55 8.3 19.2 28.8#
61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 25.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

Instrument :

MSVOA_X

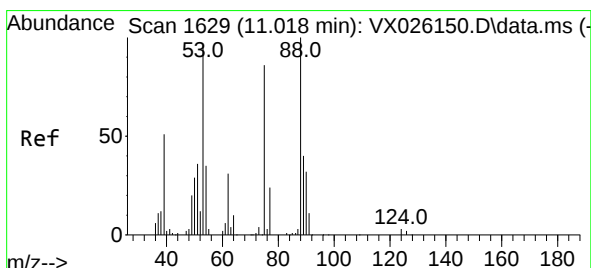
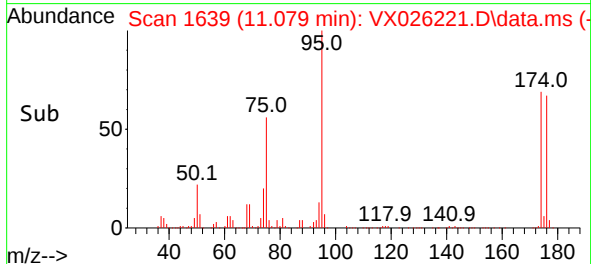
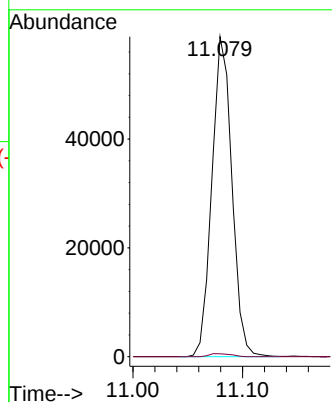
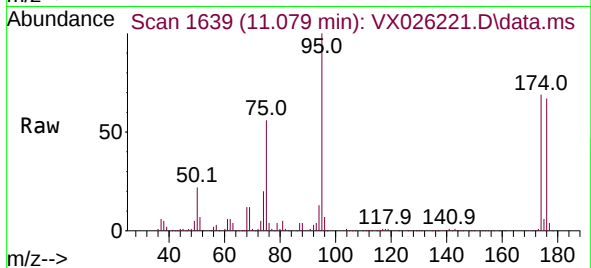
ClientSampleId :

Tgt Ion: 75 Resp: 74707

Ion Ratio Lower Upper

75 100

77 1.0 19.0 57.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026221.D

Acq: 03 Jan 2022 15:37

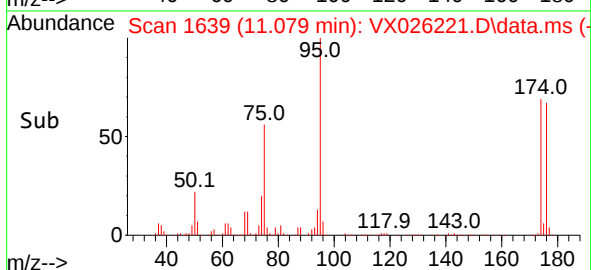
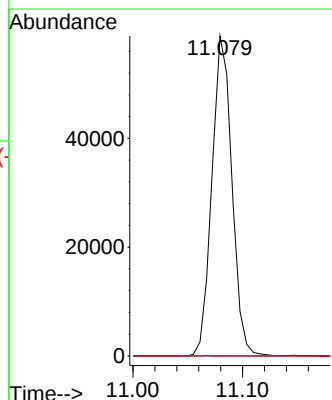
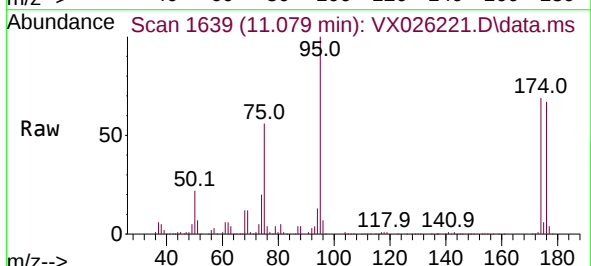
Tgt Ion: 75 Resp: 74707

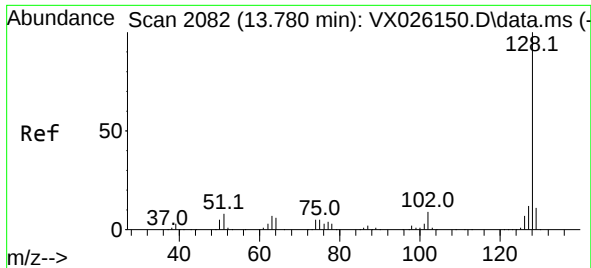
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

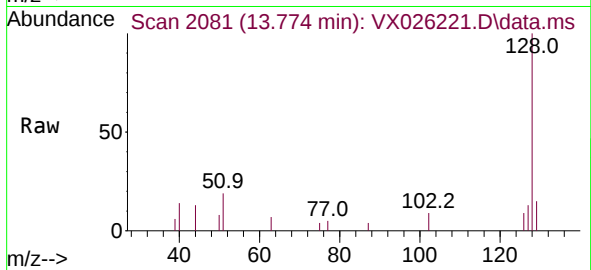
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 0.234 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX026221.D
Acq: 03 Jan 2022 15:37

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2229
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 13.8 8.8 13.2#

