

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028350.D
 Acq On : 26 Apr 2022 15:26
 Operator : JC/MD
 Sample : N2511-02
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1527

Quant Time: Apr 27 02:05:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

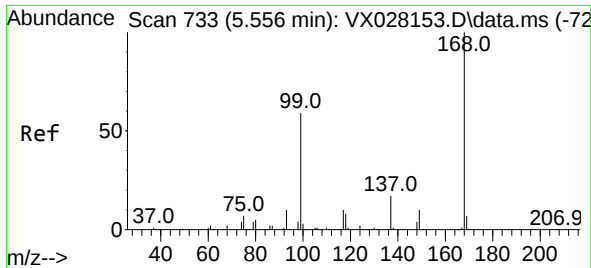
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	494616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	808457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	742603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	359739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	269173	41.737	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.480%		
35) Dibromofluoromethane	5.391	113	238168	42.008	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	84.020%		
50) Toluene-d8	8.653	98	925644	42.508	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	85.020%		
62) 4-Bromofluorobenzene	11.085	95	332395	39.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	79.840%		
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	658	Below Cal		93
5) Bromomethane	1.605	94	2449	Below Cal		93
6) Chloroethane	1.703	64	154	Below Cal	#	43
8) Diethyl Ether	1.953	74	155	Below Cal	#	7
10) Methyl Iodide	2.440	142	1423	5.467 ug/l	#	92
11) Tert butyl alcohol	2.946	59	6323	Below Cal	#	74
16) Acetone	2.416	43	22207	9.933 ug/l	#	83
18) Methyl Acetate	2.727	43	10836	1.890 ug/l		96
20) Methylene Chloride	2.782	84	2193	0.458 ug/l		92
23) Vinyl Acetate	3.837	43	3104	0.245 ug/l	#	66
25) 2-Butanone	4.617	43	4416	1.156 ug/l		98
29) Tetrahydrofuran	5.056	42	1043	0.419 ug/l	#	60
36) 1,1-Dichloropropene	5.550	75	33542	4.535 ug/l	#	50
38) Carbon Tetrachloride	5.550	117	46927	5.621 ug/l	#	15
43) Isopropyl Acetate	6.379	43	6495	0.532 ug/l	#	56
52) Toluene	8.720	92	4937	0.328 ug/l		99
59) 2-Hexanone	9.464	43	1850	0.305 ug/l		80
68) m/p-Xylenes	10.305	106	4107	0.380 ug/l		90
74) N-amyl acetate	10.872	43	1870	0.219 ug/l	#	43
76) 1,2,3-Trichloropropane	11.085	75	163809	23.137 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.085	75	163809	68.758 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.756	105	11596	0.556 ug/l		97
90) Hexachloroethane	12.561	117	705	1.983 ug/l	#	10
95) Naphthalene	13.780	128	16743	0.703 ug/l	#	94

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

Quant Time: Apr 27 02:05:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

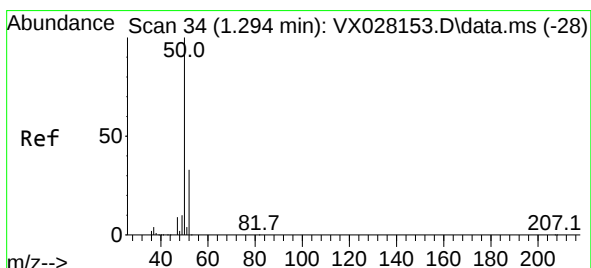
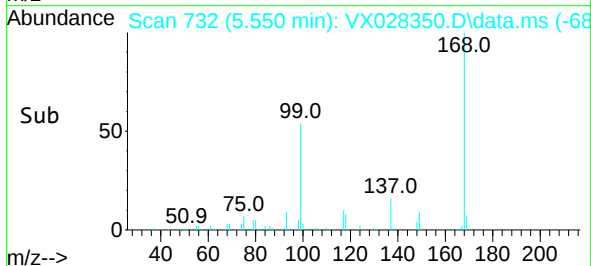
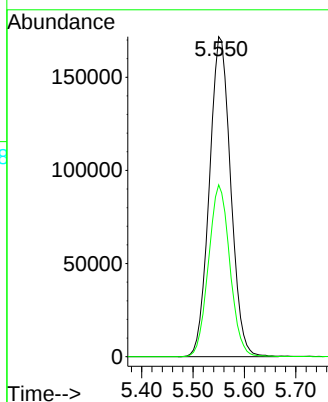
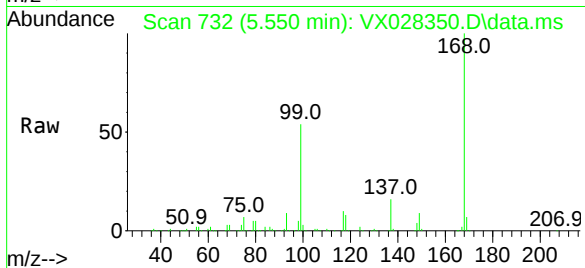




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

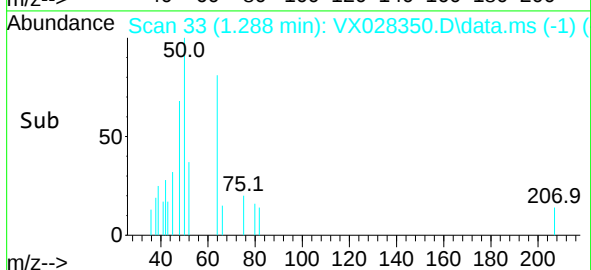
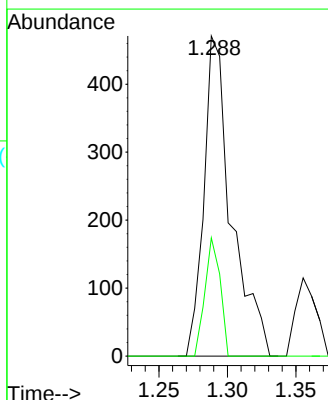
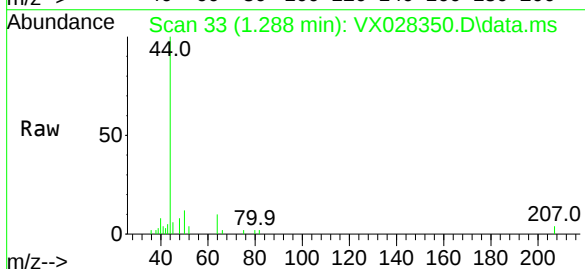
Instrument :
MSVOA_X
ClientSampleId :
1527

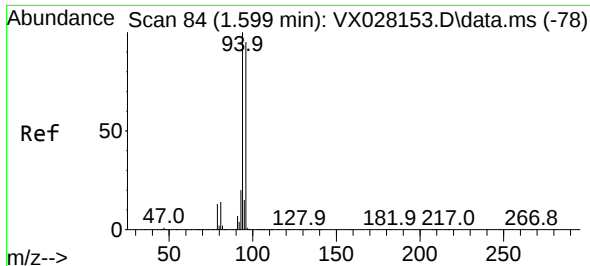
Tgt Ion:168 Resp: 494616
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 36.9 26.4 39.6

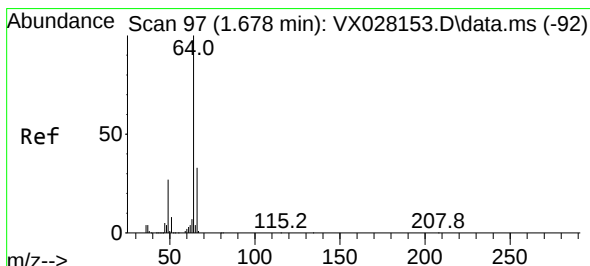
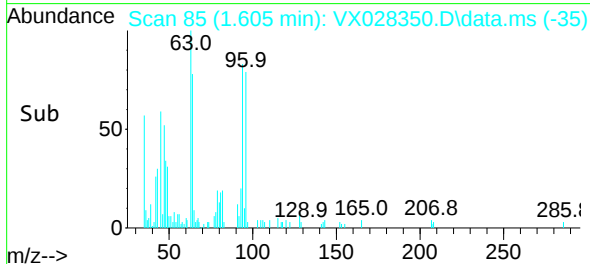
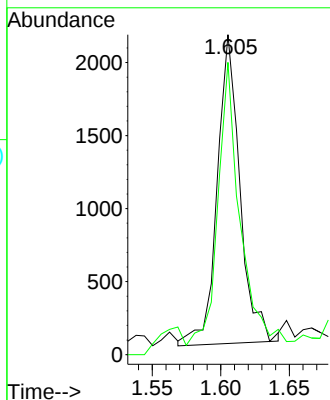
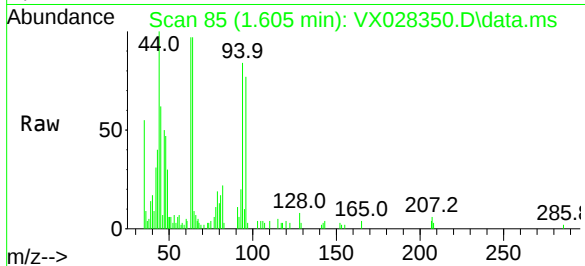




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

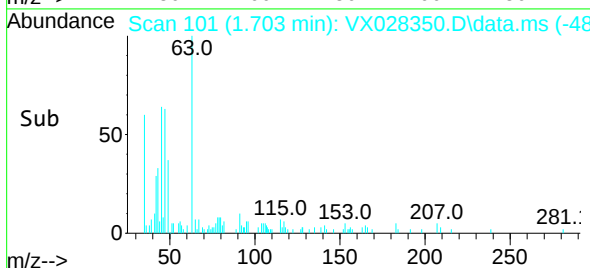
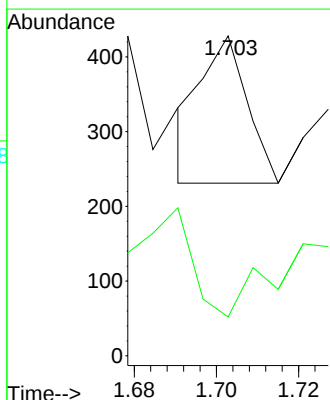
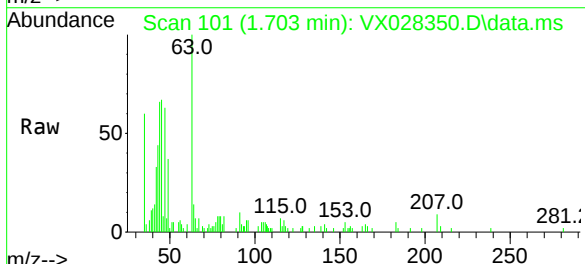
Instrument :
MSVOA_X
ClientSampleId :
1527

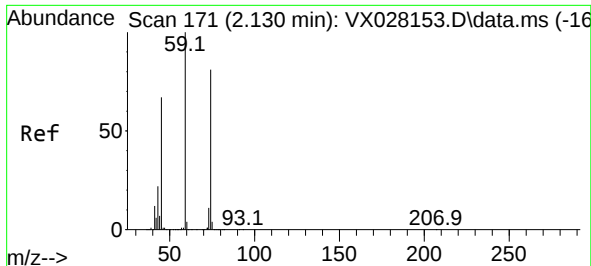
Tgt Ion: 94 Resp: 2449
Ion Ratio Lower Upper
94 100
96 87.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 64 Resp: 154
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

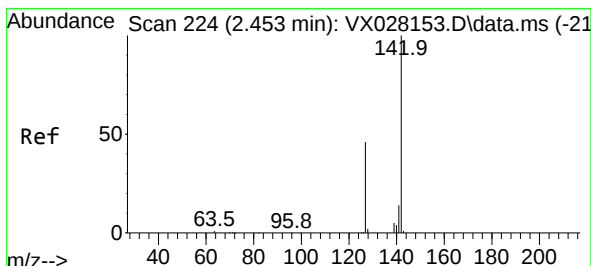
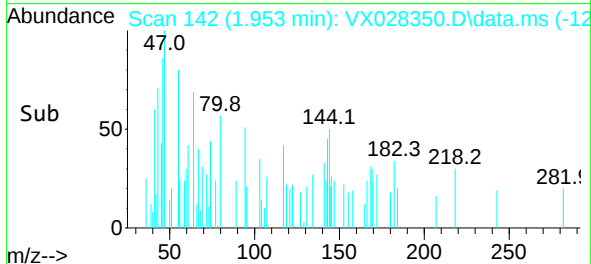
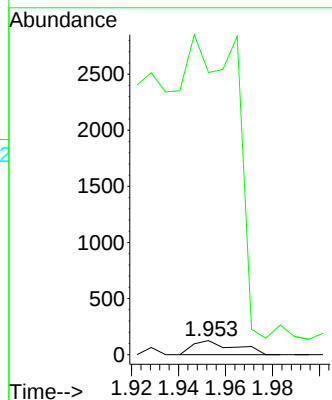
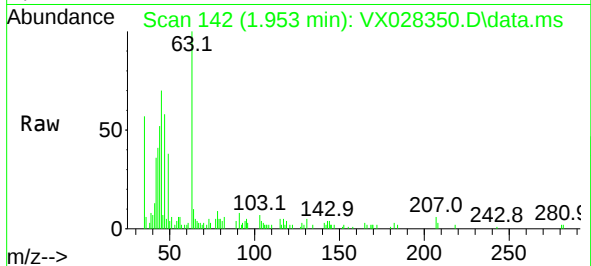




#8
Diethyl Ether
Concen: Below Cal
RT: 1.953 min Scan# 14
Delta R.T. -0.177 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

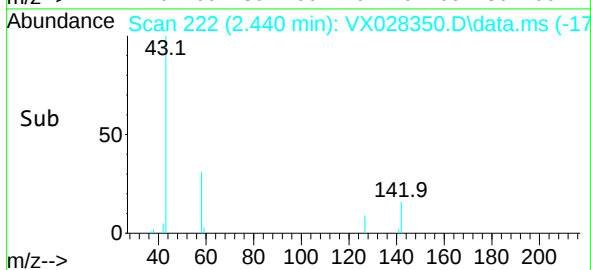
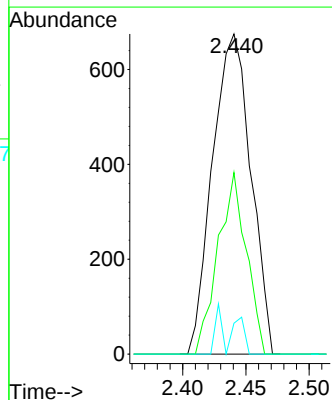
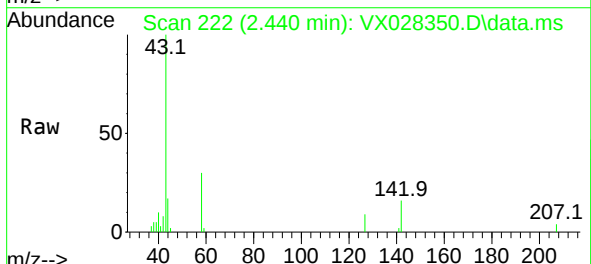
Instrument :
MSVOA_X
ClientSampleId :
1527

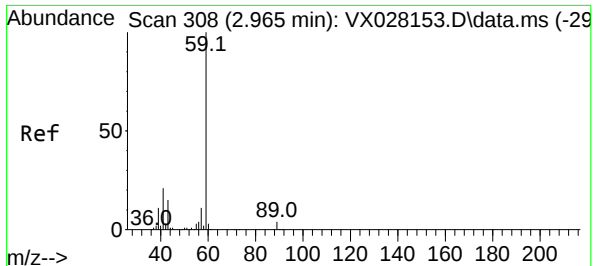
Tgt Ion: 74 Resp: 155
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.467 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.013 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 142 Resp: 1423
Ion Ratio Lower Upper
142 100
127 41.9 33.9 50.9
141 2.7 11.4 17.2#

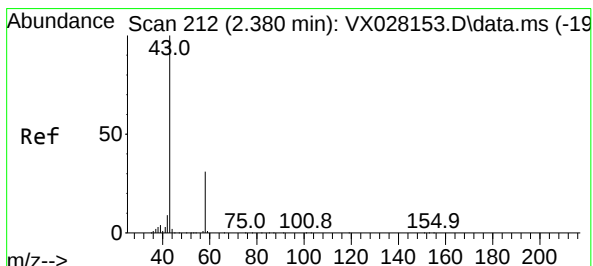
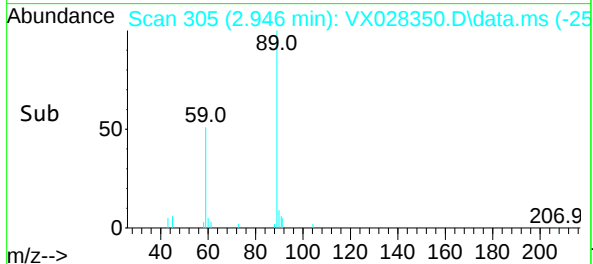
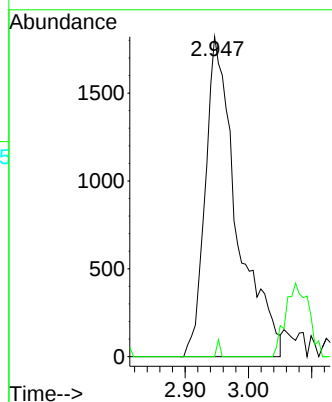
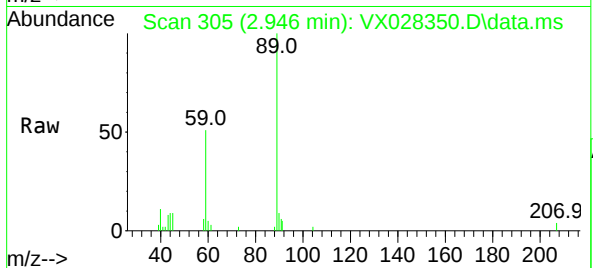




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

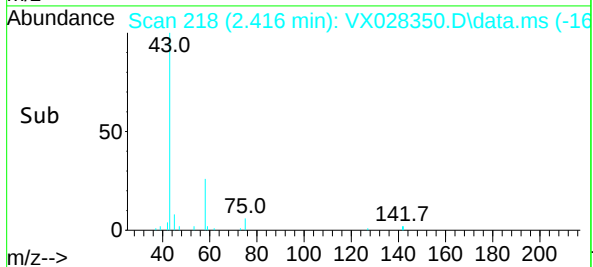
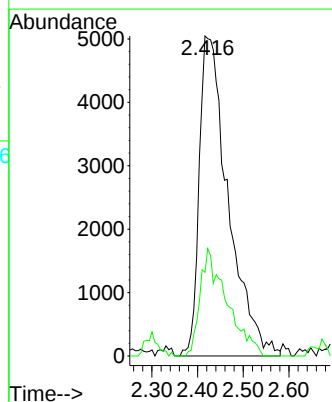
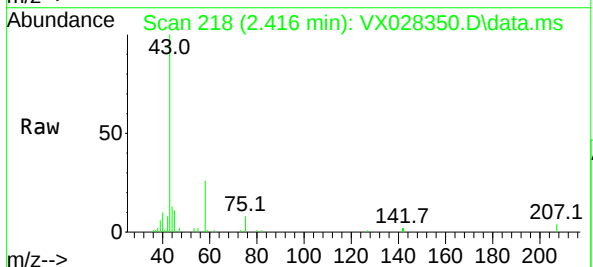
Instrument :
MSVOA_X
ClientSampleId :
1527

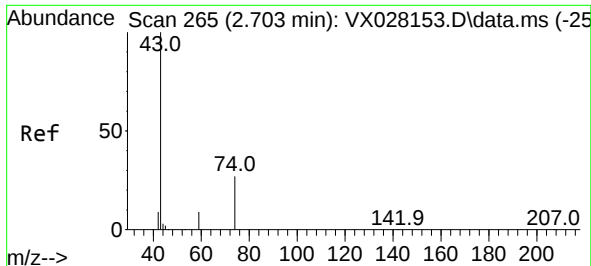
Tgt Ion: 59 Resp: 6323
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#



#16
Acetone
Concen: 9.933 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.036 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 43 Resp: 22207
Ion Ratio Lower Upper
43 100
58 26.2 28.8 43.2#





#18

Methyl Acetate

Concen: 1.890 ug/l

RT: 2.727 min Scan# 2

Delta R.T. 0.024 min

Lab File: VX028350.D

Acq: 26 Apr 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

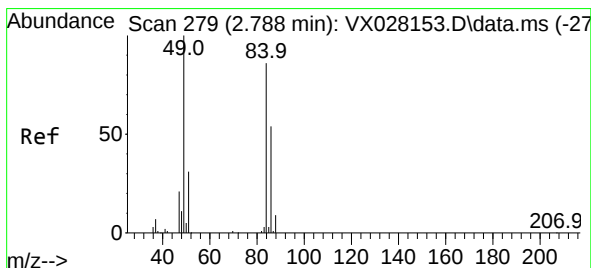
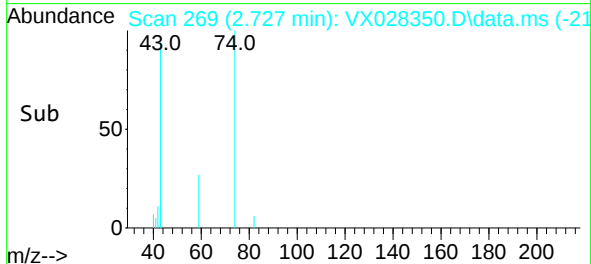
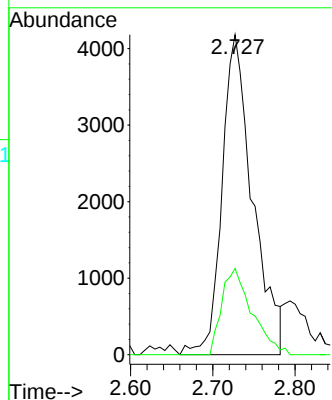
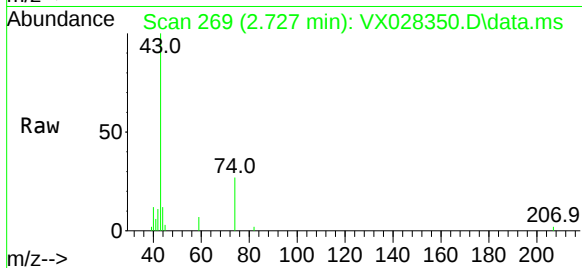
1527

Tgt Ion: 43 Resp: 10836

Ion Ratio Lower Upper

43 100

74 26.6 22.8 34.2



#20

Methylene Chloride

Concen: 0.458 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX028350.D

Acq: 26 Apr 2022 15:26

Tgt Ion: 84 Resp: 2193

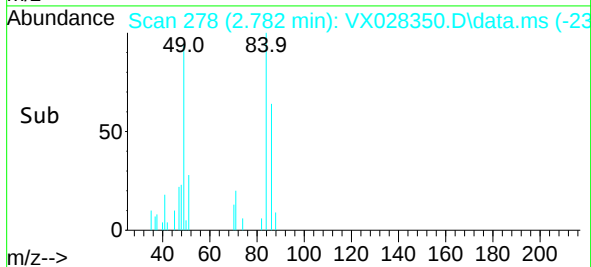
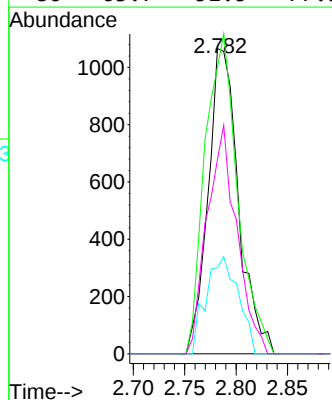
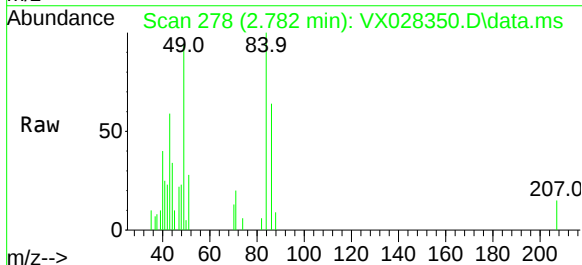
Ion Ratio Lower Upper

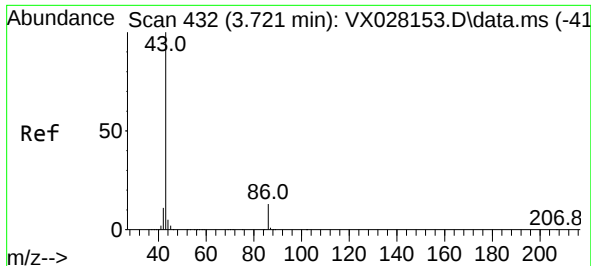
84 100

49 93.8 85.5 128.3

51 28.2 26.6 39.8

86 63.7 51.5 77.3

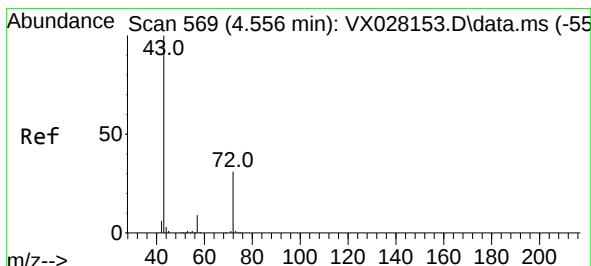
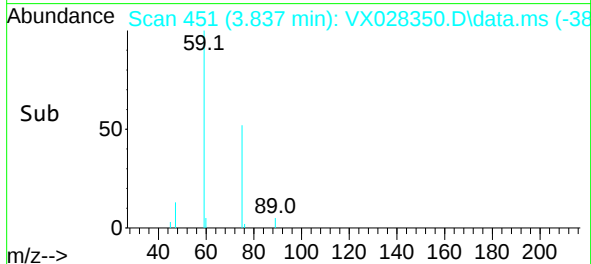
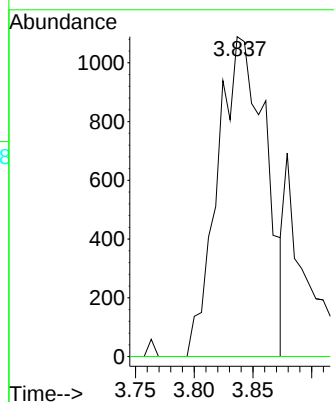
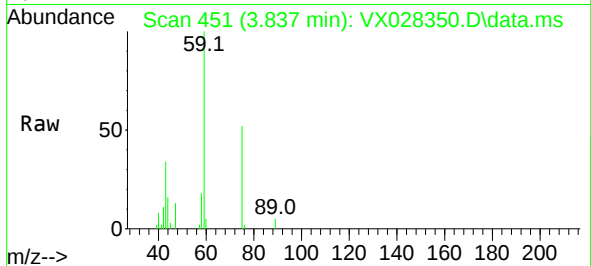




#23
 Vinyl Acetate
 Concen: 0.245 ug/l
 RT: 3.837 min Scan# 41
 Delta R.T. 0.116 min
 Lab File: VX028350.D
 Acq: 26 Apr 2022 15:26

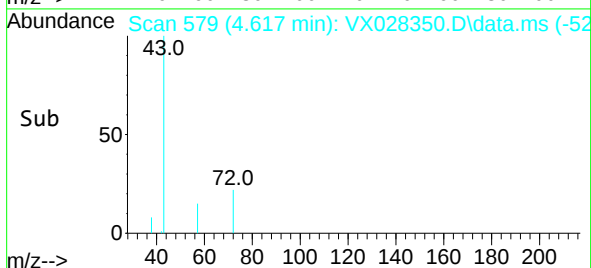
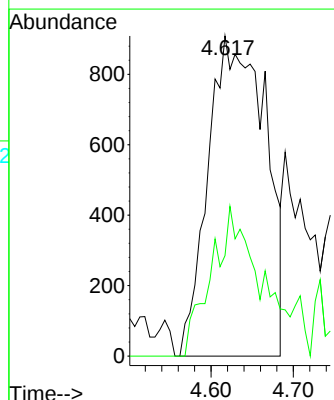
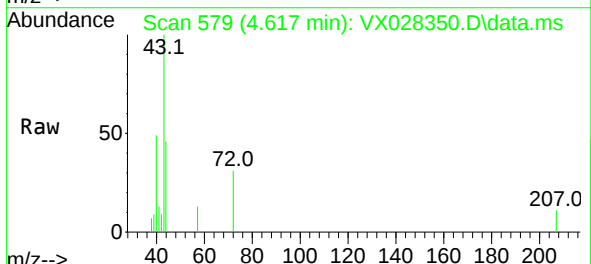
Instrument :
 MSVOA_X
 ClientSampleId :
 1527

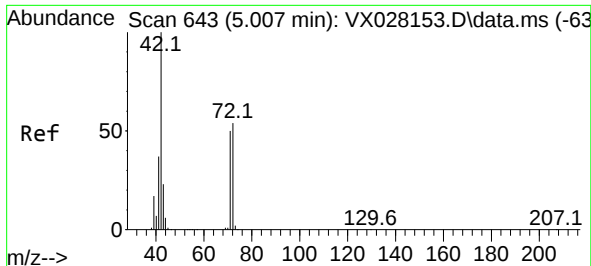
Tgt Ion: 43 Resp: 3104
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 1.156 ug/l
 RT: 4.617 min Scan# 579
 Delta R.T. 0.061 min
 Lab File: VX028350.D
 Acq: 26 Apr 2022 15:26

Tgt Ion: 43 Resp: 4416
 Ion Ratio Lower Upper
 43 100
 72 31.4 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.419 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX028350.D

Acq: 26 Apr 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

1527

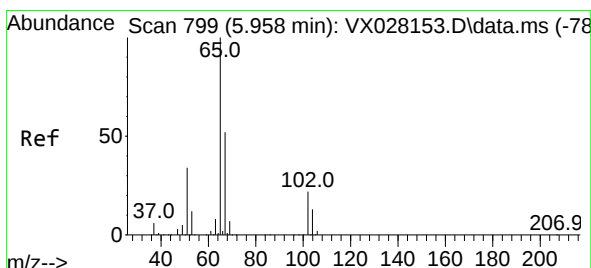
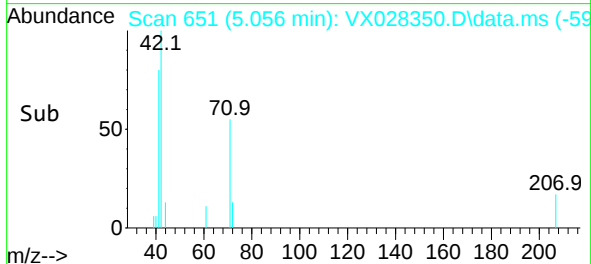
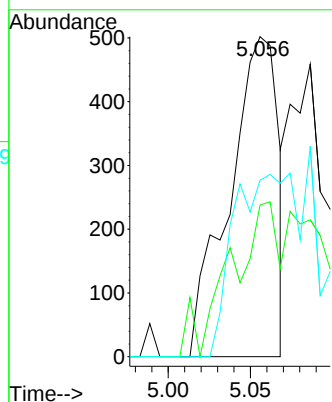
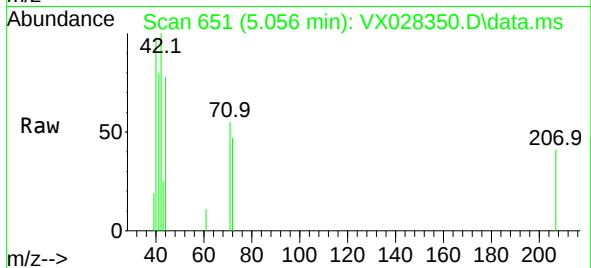
Tgt Ion: 42 Resp: 1043

Ion Ratio Lower Upper

42 100

72 47.6 44.1 66.1

71 0.0 40.5 60.7#



#33

1,2-Dichloroethane-d4

Concen: 41.737 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028350.D

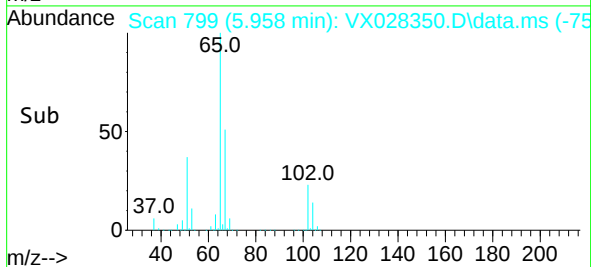
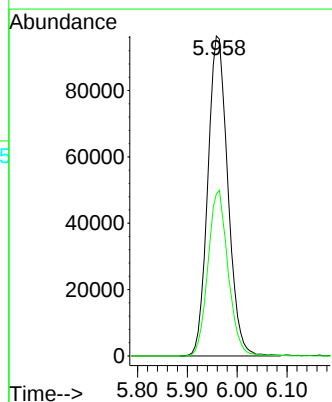
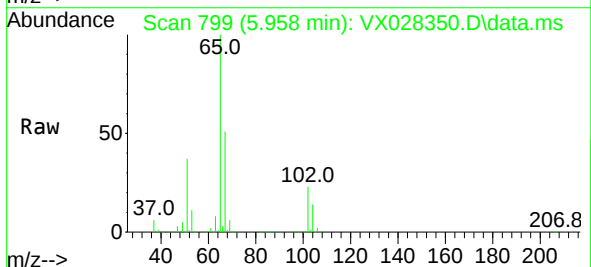
Acq: 26 Apr 2022 15:26

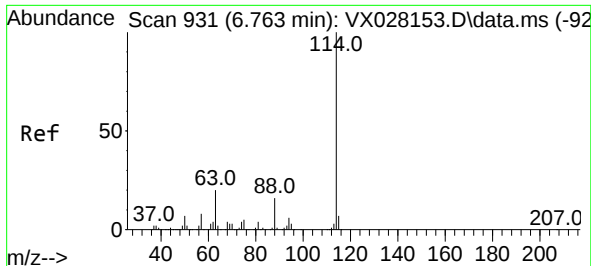
Tgt Ion: 65 Resp: 269173

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4

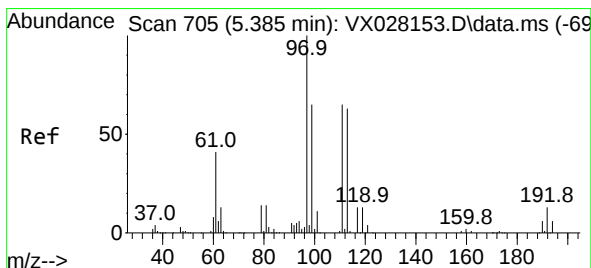
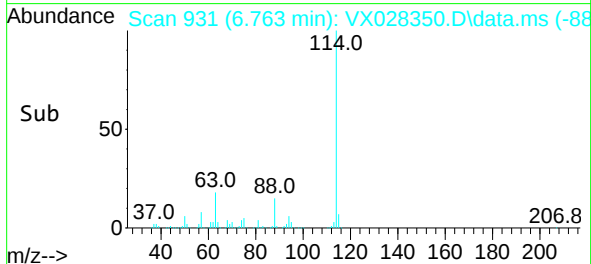
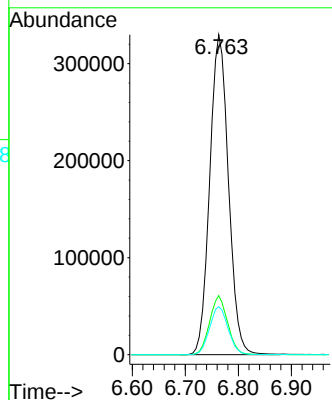
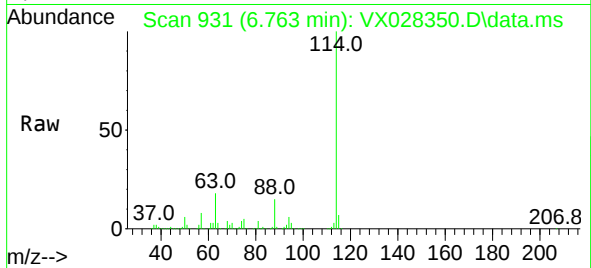




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

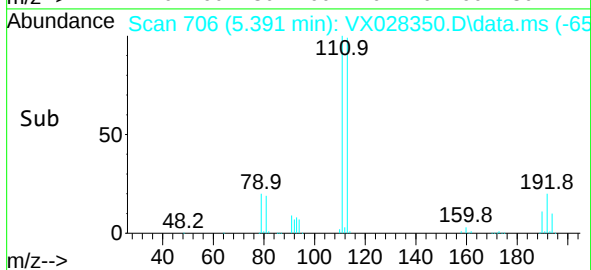
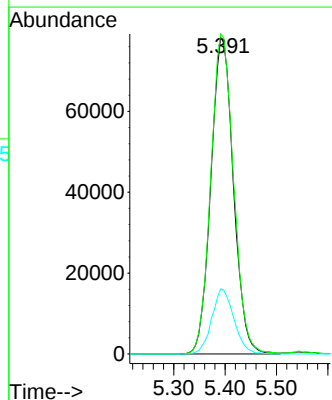
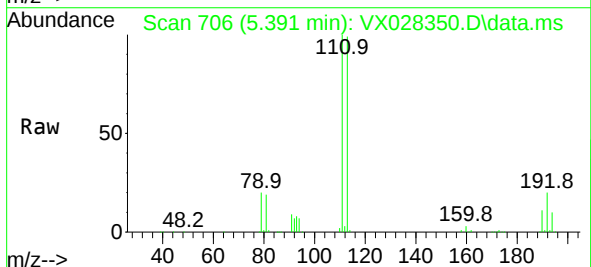
Instrument :
MSVOA_X
ClientSampleId :
1527

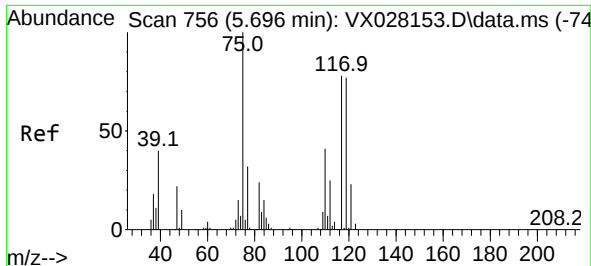
Tgt Ion:114 Resp: 808457
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 42.008 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion:113 Resp: 238168
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.2 16.9 25.3

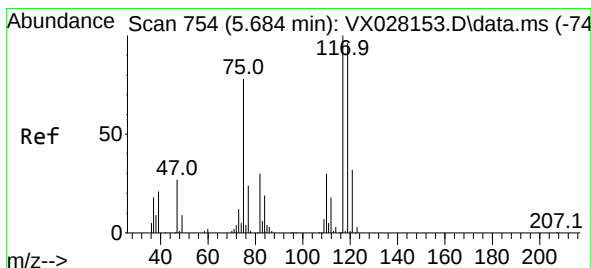
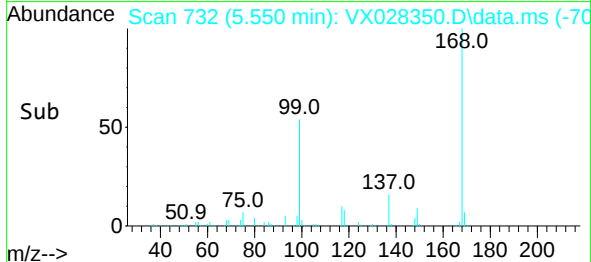
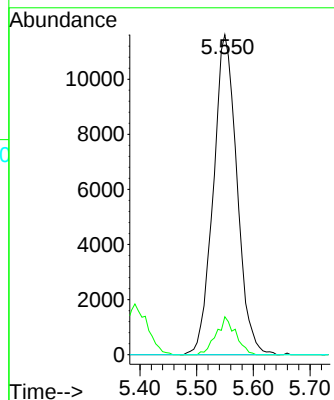
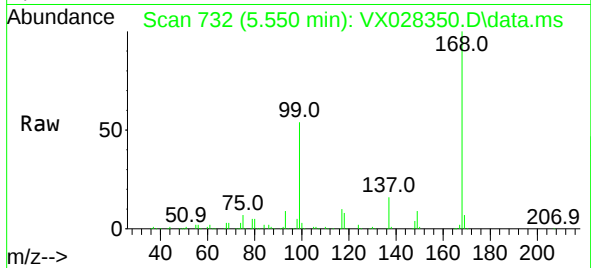




#36
1,1-Dichloropropene
Concen: 4.535 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

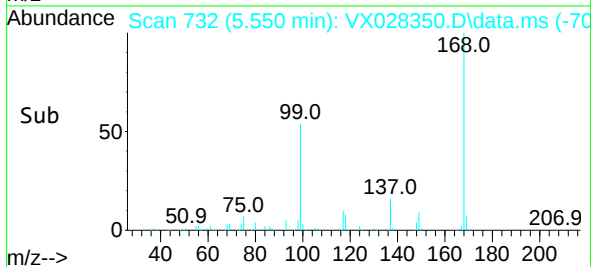
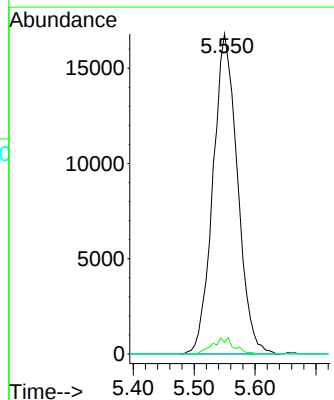
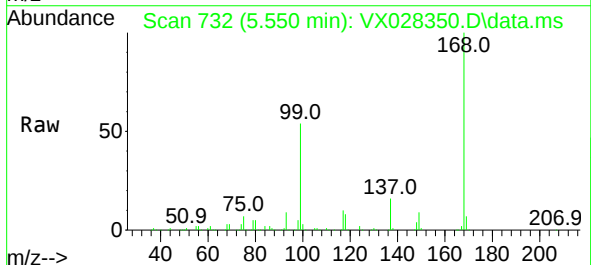
Instrument :
MSVOA_X
ClientSampleId :
1527

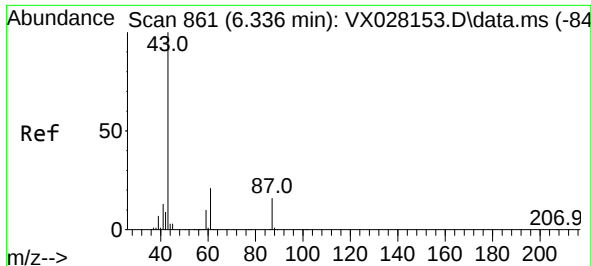
Tgt Ion: 75 Resp: 33542
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 117 Resp: 46927
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.2 36.2#

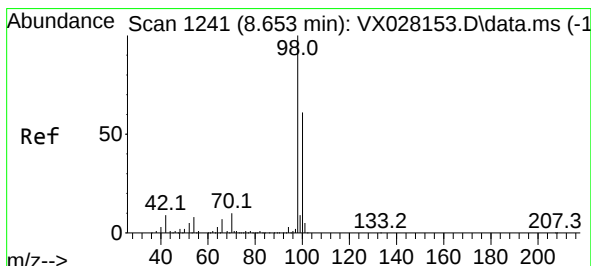
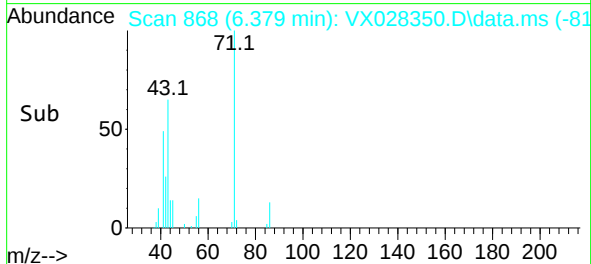
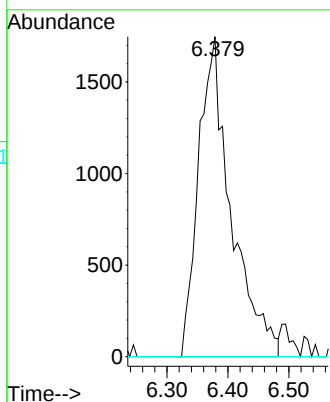
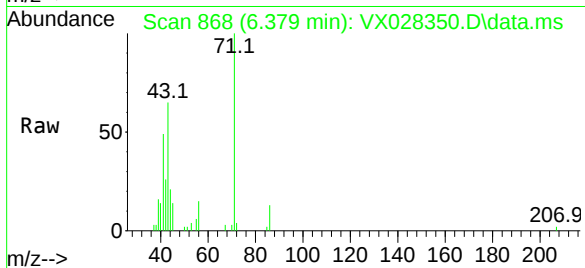




#43
Isopropyl Acetate
Concen: 0.532 ug/l
RT: 6.379 min Scan# 861
Delta R.T. 0.043 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

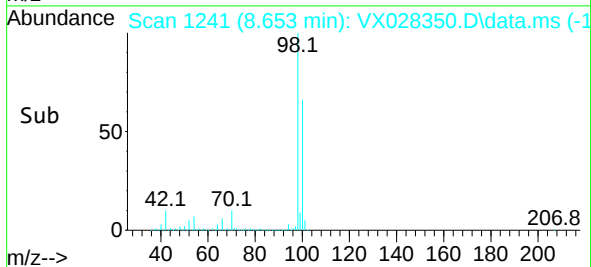
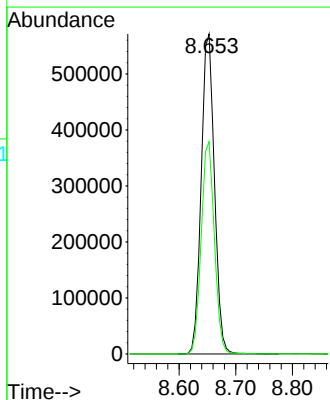
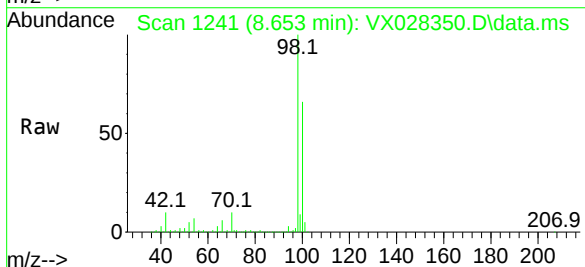
Instrument :
MSVOA_X
ClientSampleId :
1527

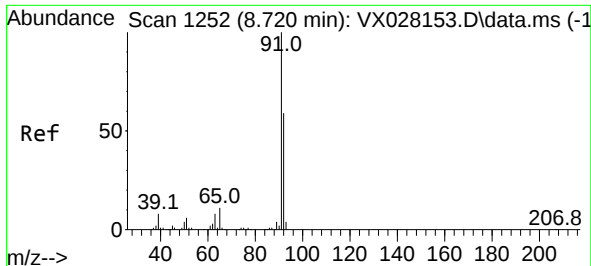
Tgt Ion: 43 Resp: 6495
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#50
Toluene-d8
Concen: 42.508 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 98 Resp: 925644
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

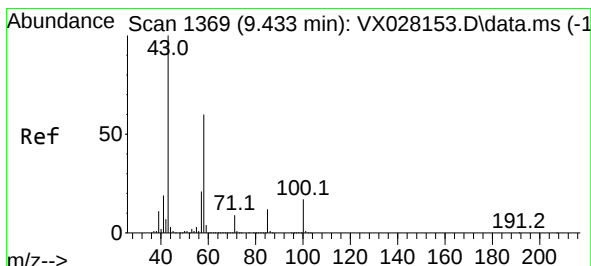
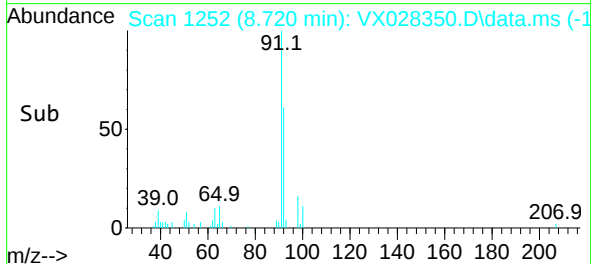
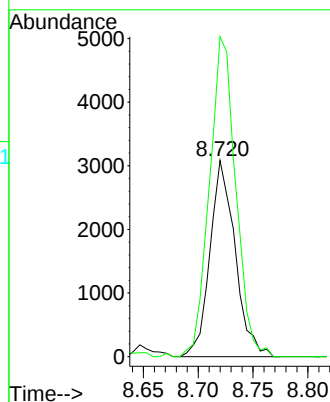
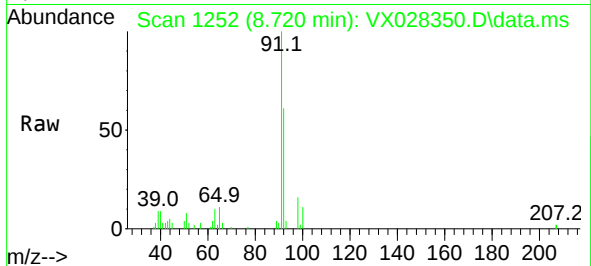




#52
Toluene
Concen: 0.328 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

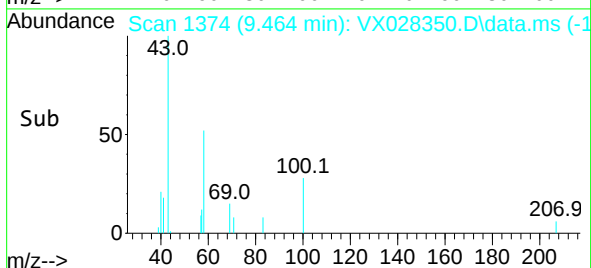
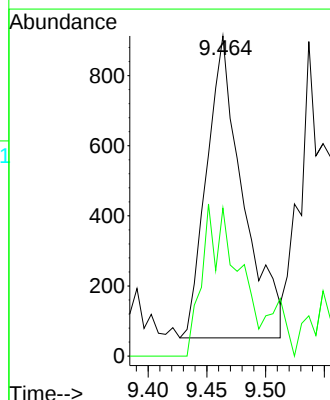
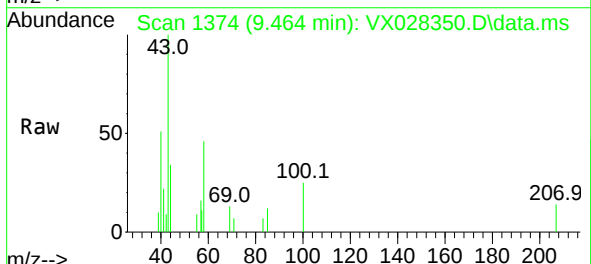
Instrument :
MSVOA_X
ClientSampleId :
1527

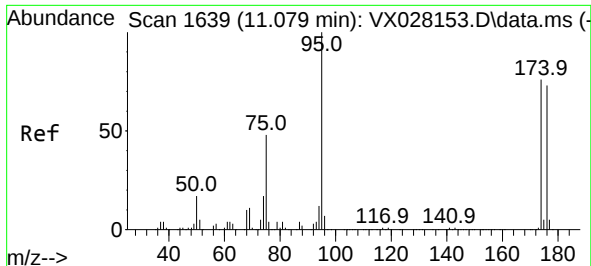
Tgt Ion: 92 Resp: 4937
Ion Ratio Lower Upper
92 100
91 169.9 137.5 206.3



#59
2-Hexanone
Concen: 0.305 ug/l
RT: 9.464 min Scan# 1374
Delta R.T. 0.031 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
58 48.5 31.9 95.7





#62

4-Bromofluorobenzene

Concen: 39.921 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028350.D

Acq: 26 Apr 2022 15:26

Instrument :

MSVOA_X

ClientSampleId :

1527

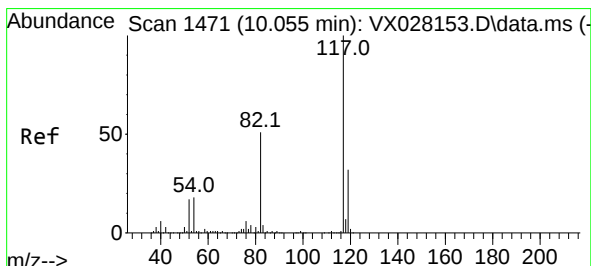
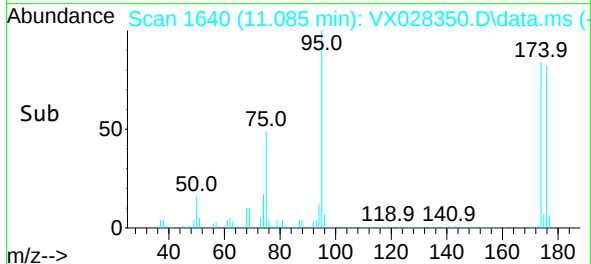
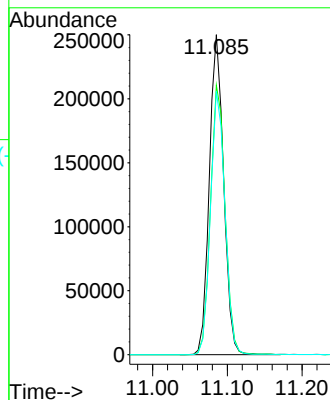
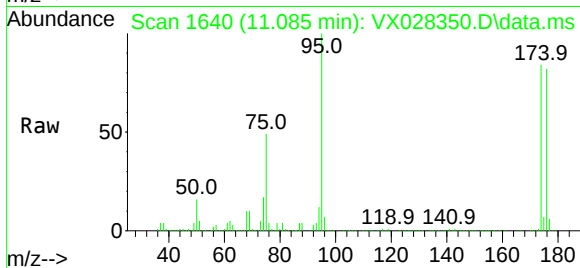
Tgt Ion: 95 Resp: 332395

Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.0

176 83.6 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028350.D

Acq: 26 Apr 2022 15:26

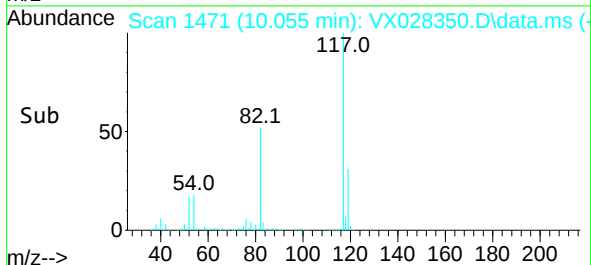
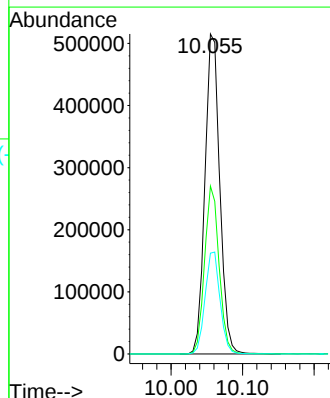
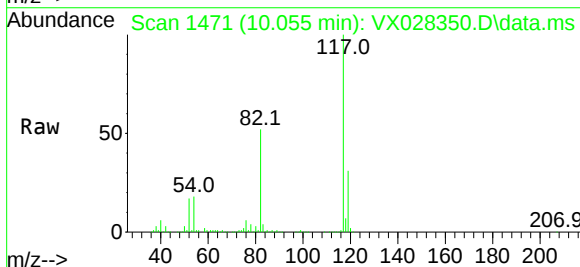
Tgt Ion: 117 Resp: 742603

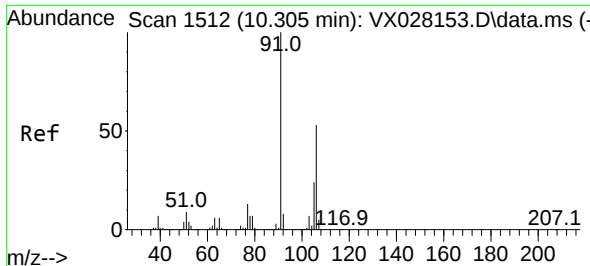
Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

119 31.5 24.8 37.2

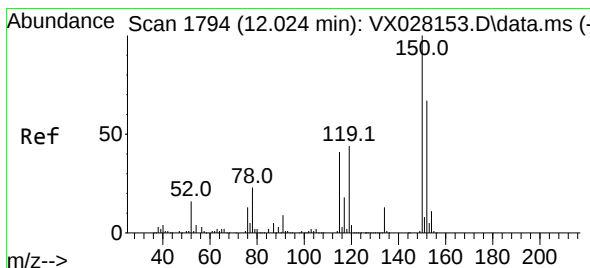
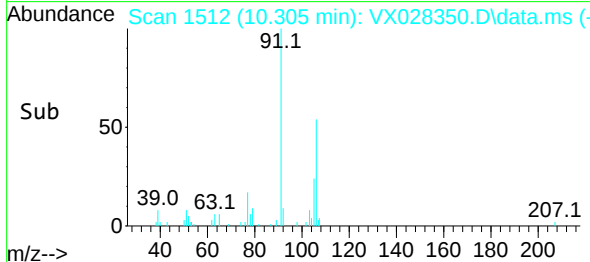
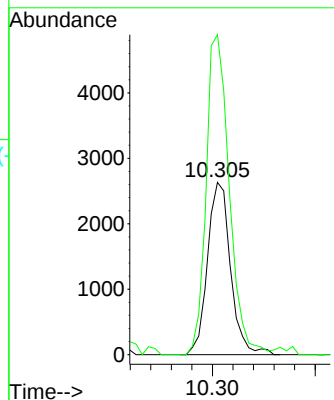
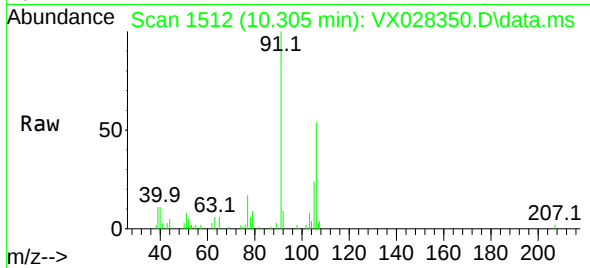




#68
m/p-Xylenes
Concen: 0.380 ug/l
RT: 10.305 min Scan# 11527
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

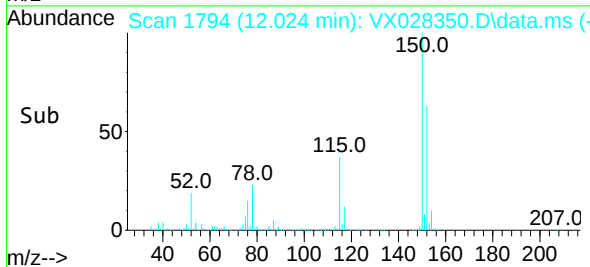
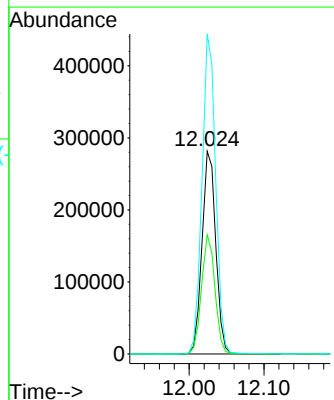
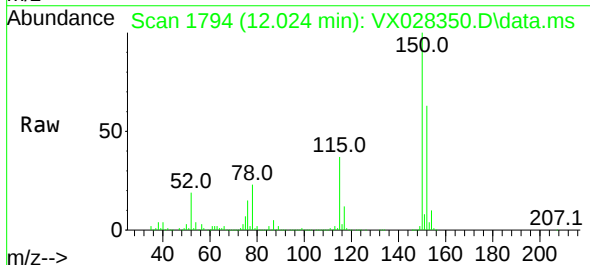
Instrument :
MSVOA_X
ClientSampleId :

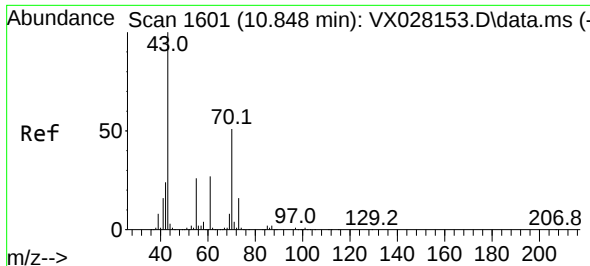
Tgt Ion:106 Resp: 4107
Ion Ratio Lower Upper
106 100
91 185.8 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion:152 Resp: 359739
Ion Ratio Lower Upper
152 100
115 57.3 37.5 112.7
150 156.4 0.0 338.2

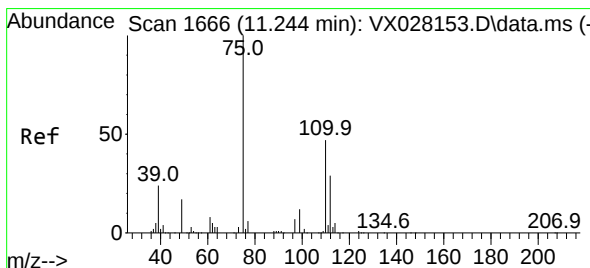
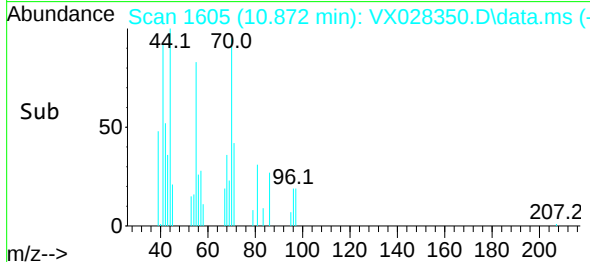
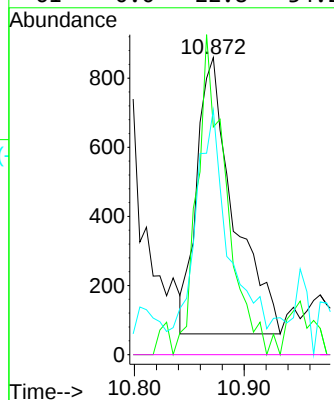
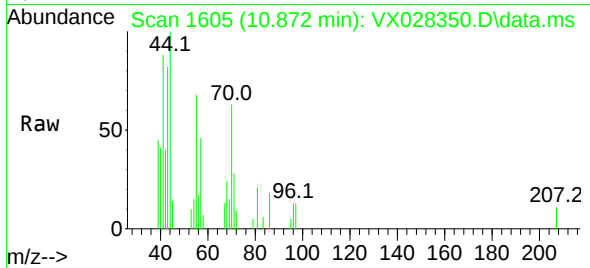




#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. 0.024 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

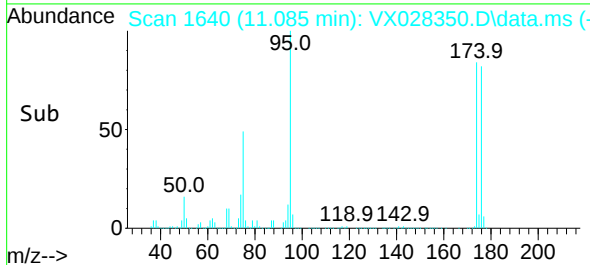
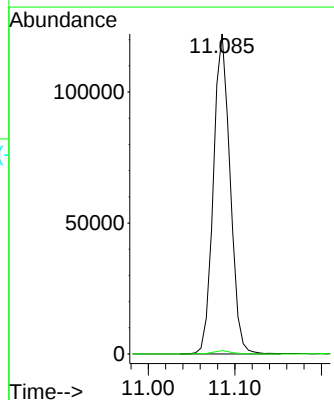
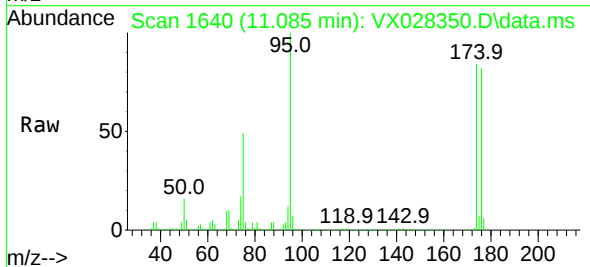
Instrument :
MSVOA_X
ClientSampleId :
1527

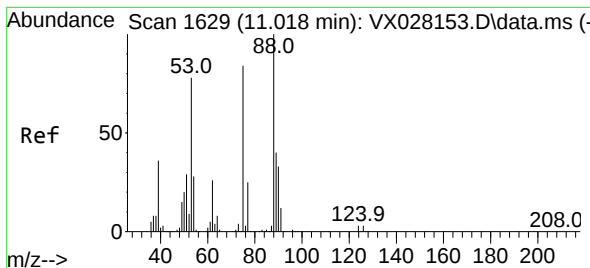
Tgt Ion: 43	Resp: 1870
Ion Ratio	Lower Upper
43	100
70	89.9 42.5 63.7#
55	66.7 23.1 34.7#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 23.137 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 75	Resp: 163809
Ion Ratio	Lower Upper
75	100
77	1.1 19.4 58.2#

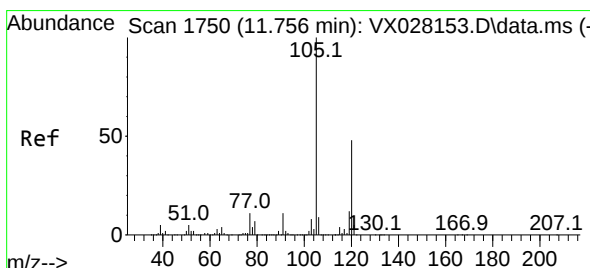
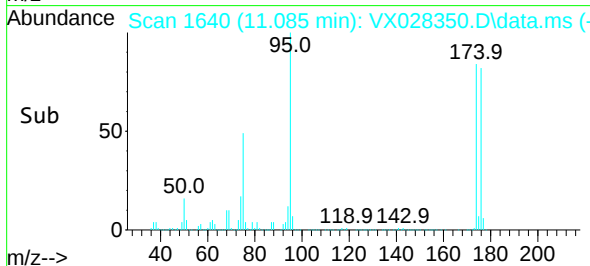
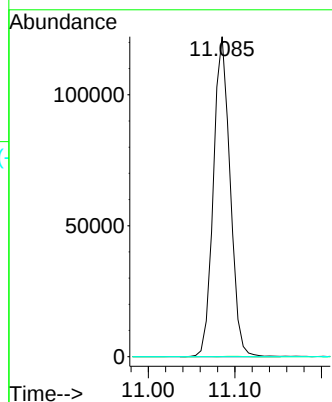
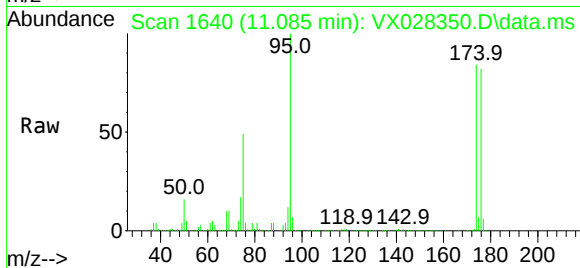




#81
trans-1,4-Dichloro-2-butene
Concen: 68.758 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

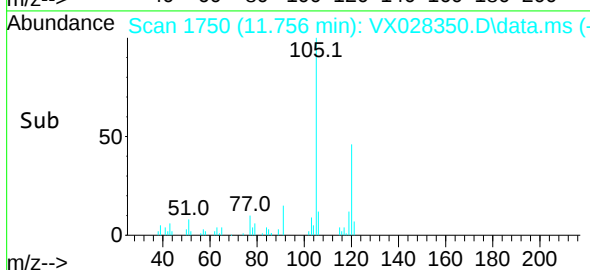
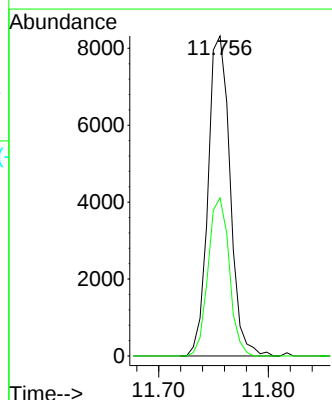
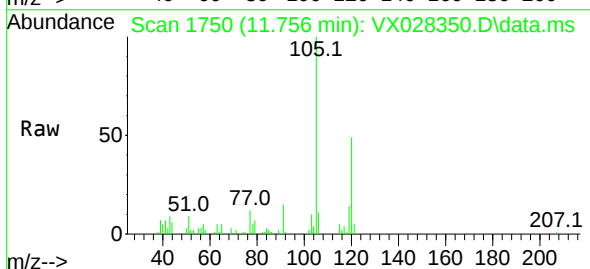
Instrument :
MSVOA_X
ClientSampleId :
1527

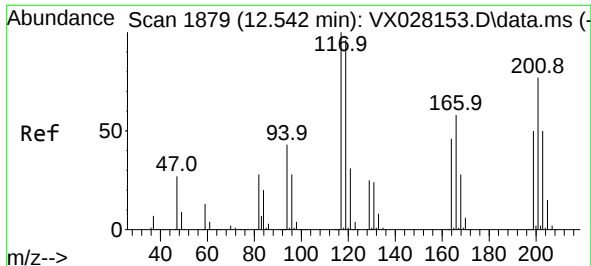
Tgt Ion: 75 Resp: 163809
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.556 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion: 105 Resp: 11596
Ion Ratio Lower Upper
105 100
120 47.4 22.6 67.8

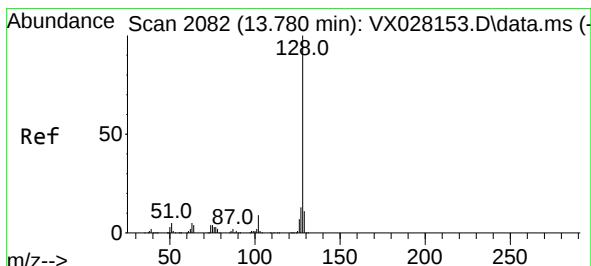
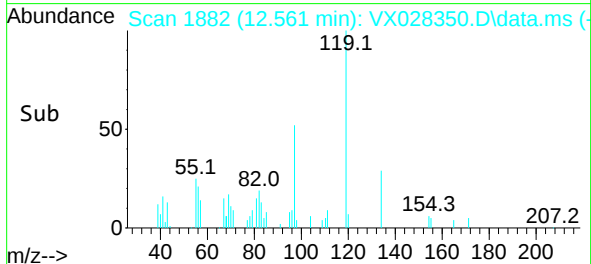
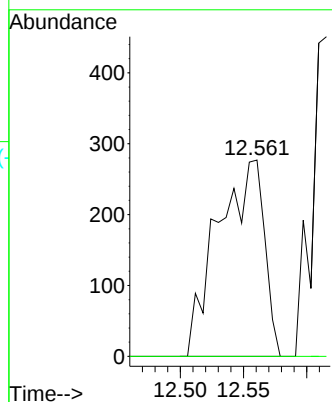
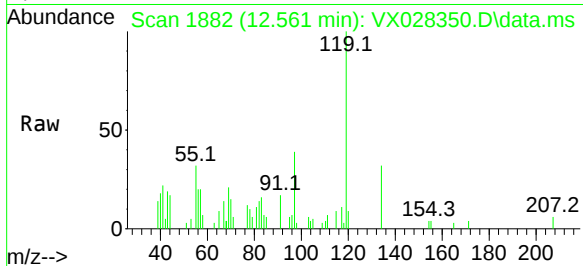




#90
Hexachloroethane
Concen: 1.983 ug/l
RT: 12.561 min Scan# 11527
Delta R.T. 0.019 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 705
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.703 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028350.D
Acq: 26 Apr 2022 15:26

Tgt Ion:128 Resp: 16743
Ion Ratio Lower Upper
128 100
127 15.0 10.2 15.4
129 13.1 8.7 13.1#

