

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028598.D
 Acq On : 10 May 2022 16:45
 Operator : JC/MD
 Sample : PB144702ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#12

Quant Time: May 11 07:01:53 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)

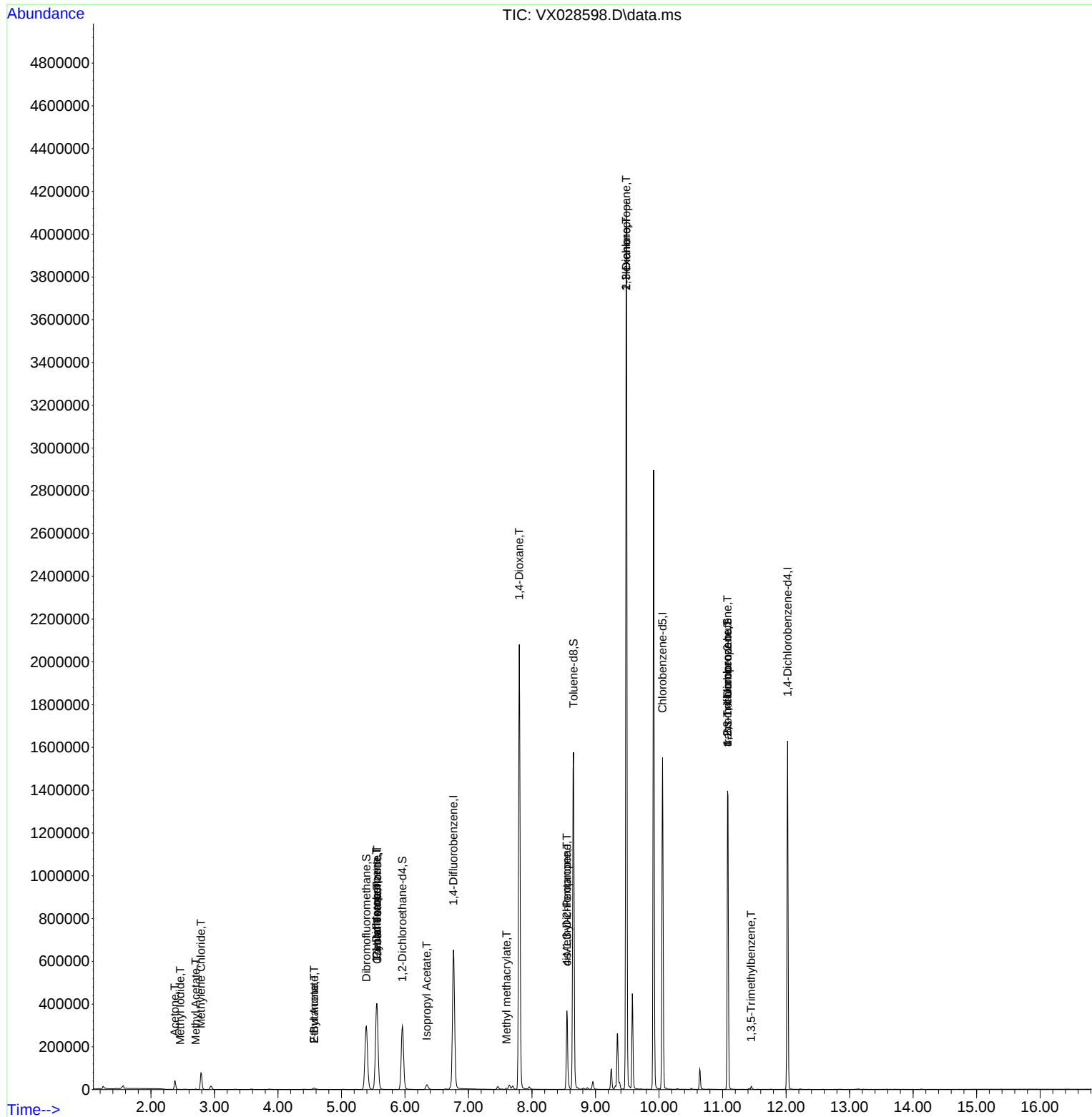
Internal Standards						
1) Pentafluorobenzene	5.556	168	403007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	697473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	702096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	345216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	281248	53.523	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.040%			
35) Dibromofluoromethane	5.391	113	259742	53.103	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.200%			
50) Toluene-d8	8.653	98	972803	51.782	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.560%			
62) 4-Bromofluorobenzene	11.079	95	366182	50.977	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	410	Below Cal	#	74
5) Bromomethane	1.611	94	900	Below Cal	#	78
6) Chloroethane	1.746	64	108	Below Cal	#	43
10) Methyl Iodide	2.459	142	285	5.292	ug/l #	69
11) Tert butyl alcohol	2.946	59	9008	Below Cal	#	72
16) Acetone	2.373	43	43433	25.810	ug/l	95
18) Methyl Acetate	2.703	43	2167	0.464	ug/l	95
20) Methylene Chloride	2.788	84	36563	9.378	ug/l	97
25) 2-Butanone	4.568	43	9038	2.904	ug/l #	77
31) Cyclohexane	5.556	56	7630	1.192	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	28569	4.478	ug/l #	50
37) Ethyl Acetate	4.568	43	9038	1.396	ug/l #	68
38) Carbon Tetrachloride	5.562	117	39836	5.531	ug/l #	15
43) Isopropyl Acetate	6.342	43	29984	2.846	ug/l	99
48) Methyl methacrylate	7.598	41	8689	1.796	ug/l #	7
49) 1,4-Dioxane	7.799	88	422	3.261	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	118857	17.579	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	62292	7.919	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	40047	4.706	ug/l #	43
59) 2-Hexanone	9.482	43	452654	86.426	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	181349	26.692	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6457	0.321	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	181349	79.322	ug/l #	15

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

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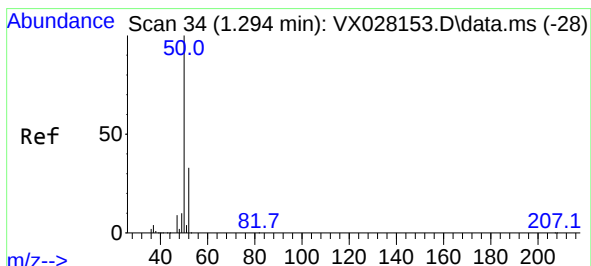
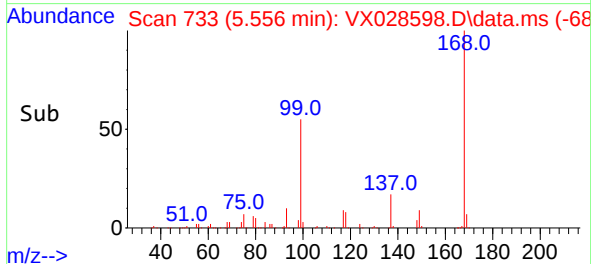
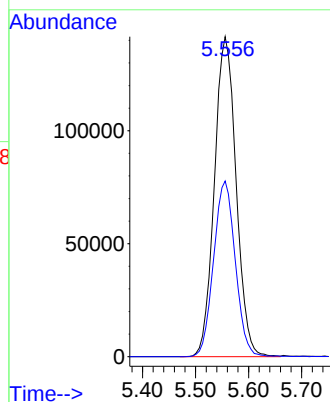
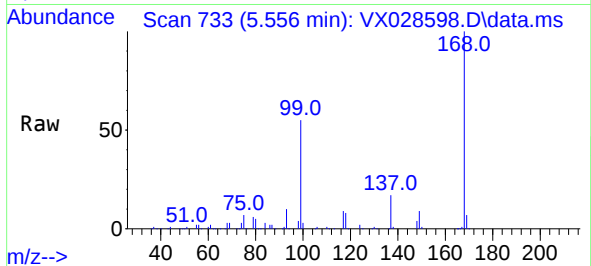




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

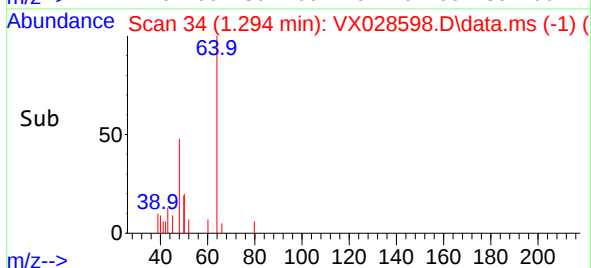
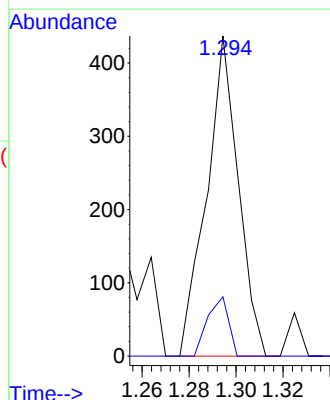
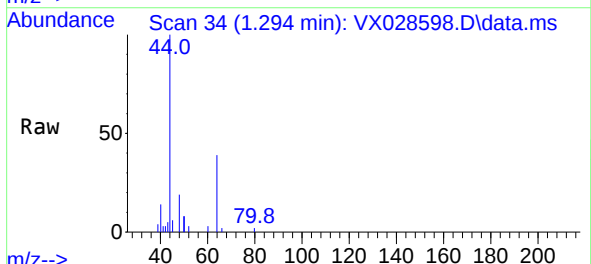
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

Tgt Ion:168 Resp: 403007
Ion Ratio Lower Upper
168 100
99 54.9 41.7 62.5

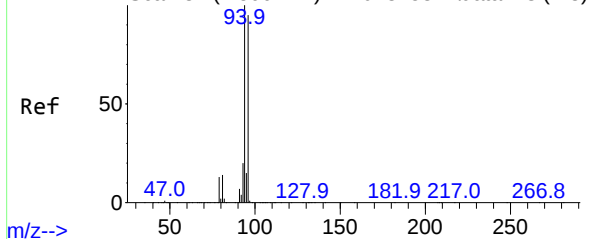


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 50 Resp: 410
Ion Ratio Lower Upper
50 100
52 18.5 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX028598.D

Acq: 10 May 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#12

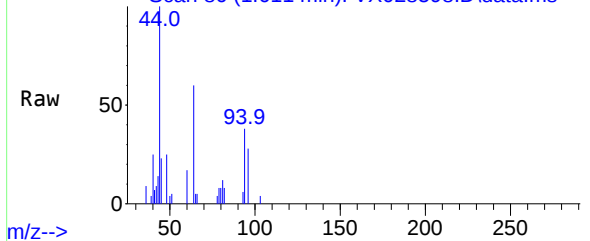
Tgt Ion: 94 Resp: 900

Ion Ratio Lower Upper

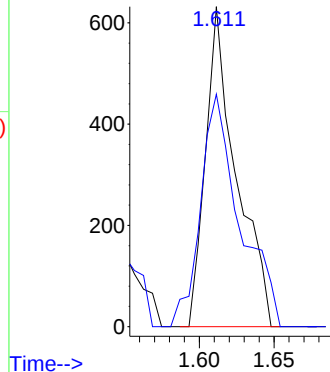
94 100

96 72.6 75.3 112.9#

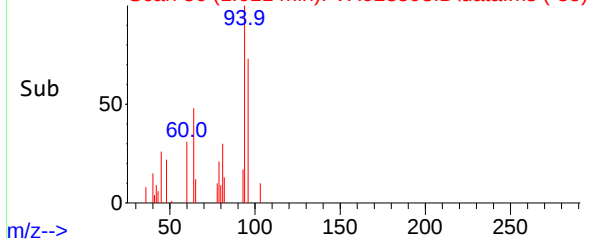
Abundance Scan 86 (1.611 min): VX028598.D\data.ms



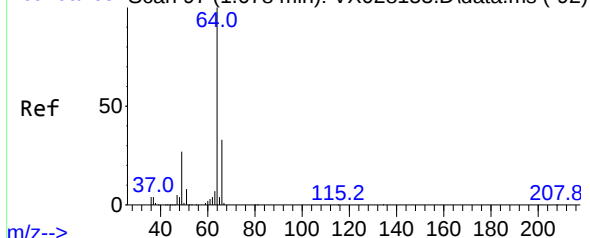
Abundance



Abundance Scan 86 (1.611 min): VX028598.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.746 min Scan# 108

Delta R.T. 0.068 min

Lab File: VX028598.D

Acq: 10 May 2022 16:45

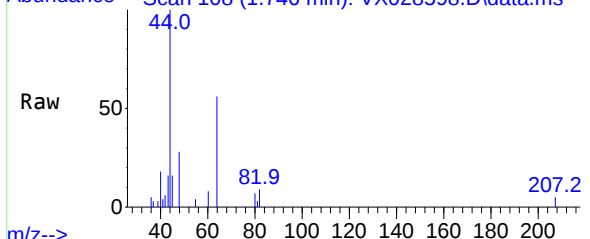
Tgt Ion: 64 Resp: 108

Ion Ratio Lower Upper

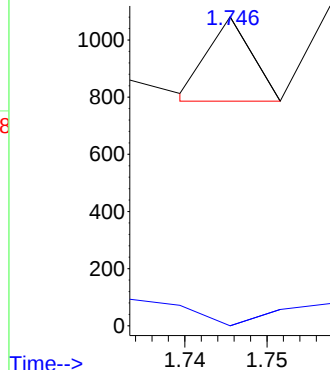
64 100

66 0.0 25.3 37.9#

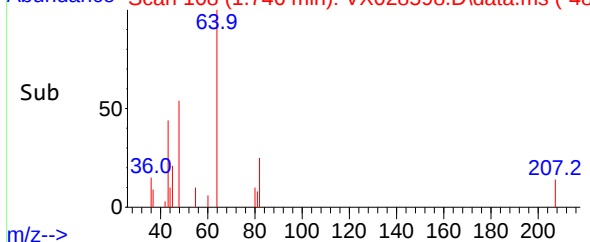
Abundance Scan 108 (1.746 min): VX028598.D\data.ms

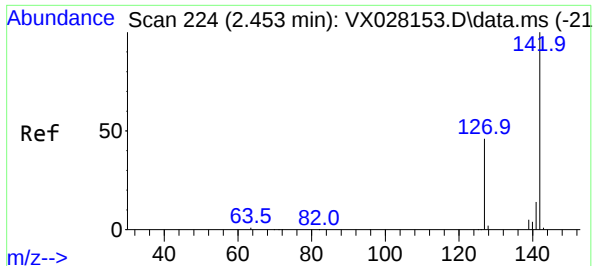


Abundance



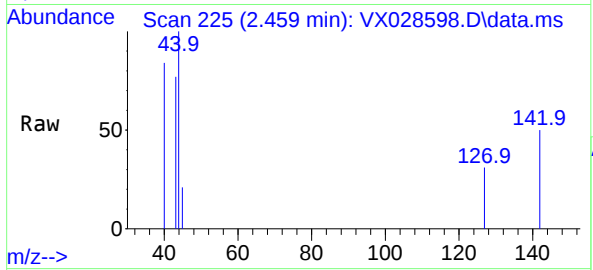
Abundance Scan 108 (1.746 min): VX028598.D\data.ms (-48)



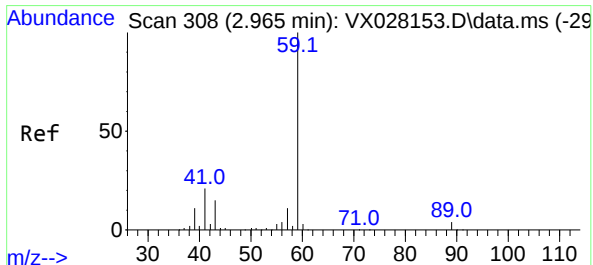
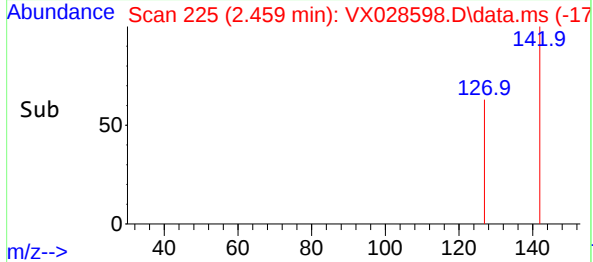
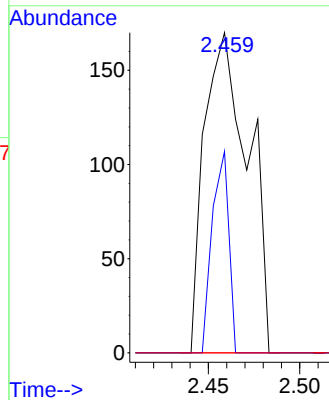


#10
Methyl Iodide
Concen: 5.292 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

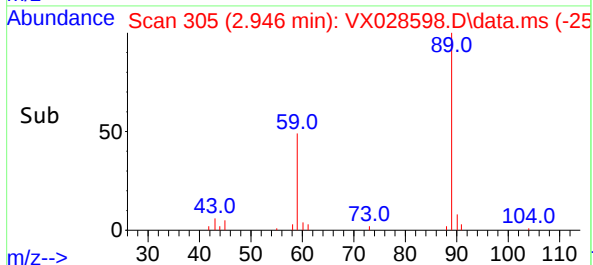
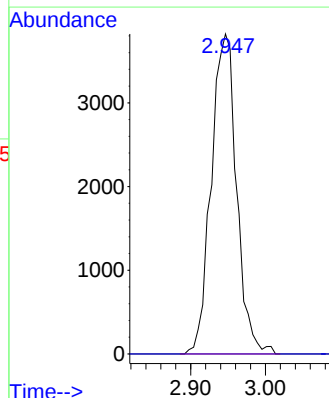
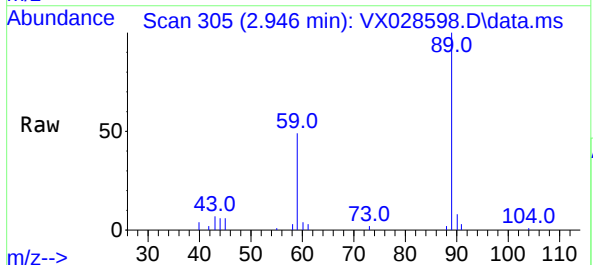


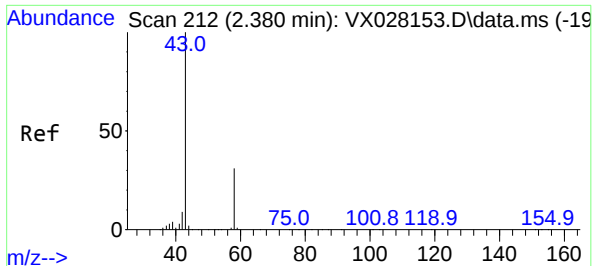
Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
127 23.9 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 59 Resp: 9008
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

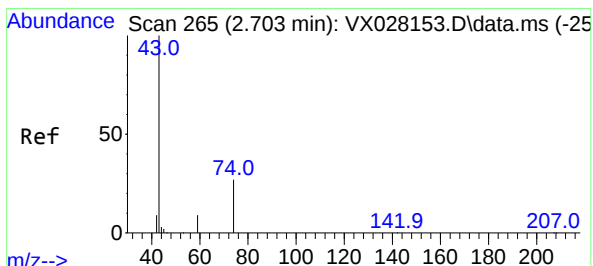
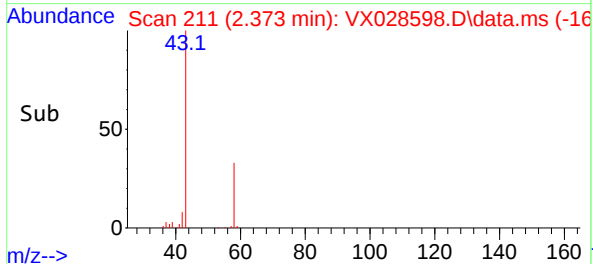
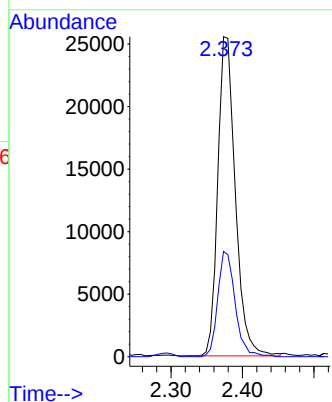
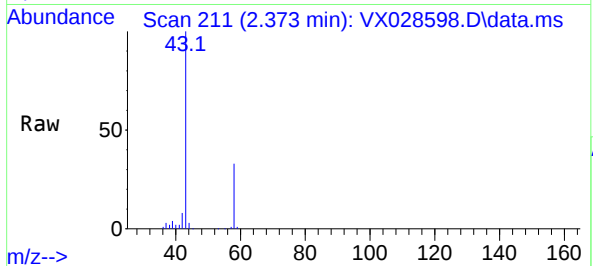




#16
Acetone
Concen: 25.810 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

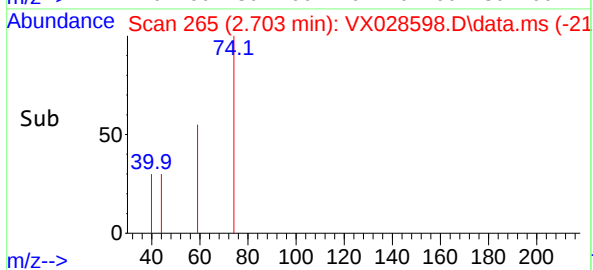
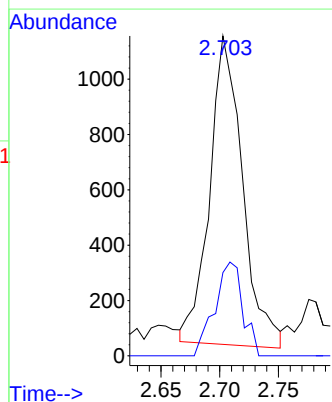
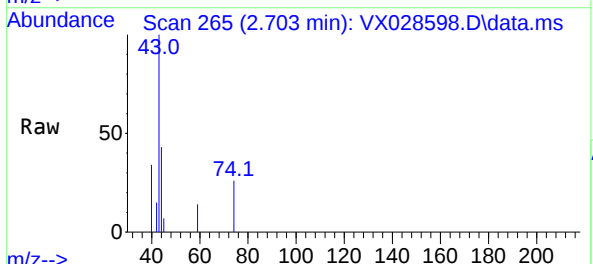
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

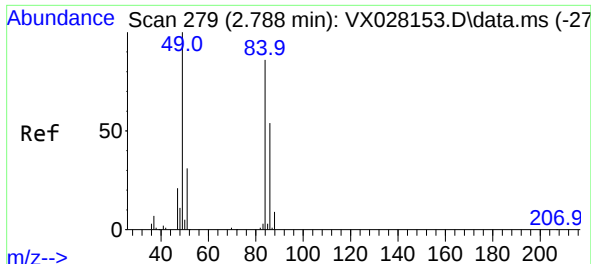
Tgt Ion: 43 Resp: 43433
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

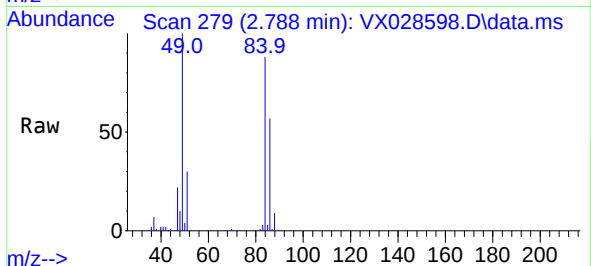
Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
74 26.0 22.8 34.2





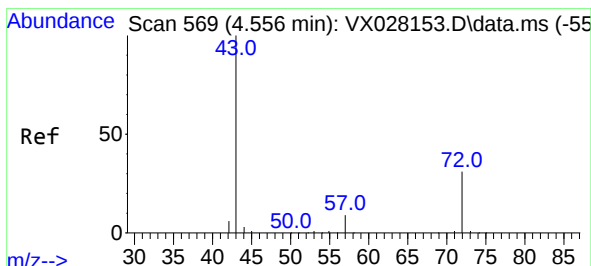
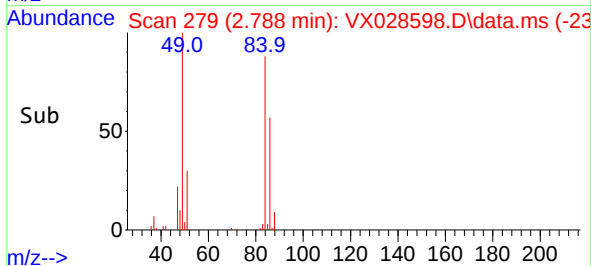
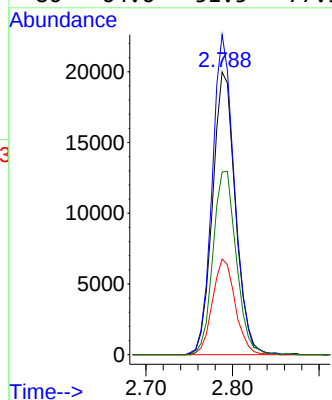
#20
Methylene Chloride
Concen: 9.378 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12



Tgt Ion: 84 Resp: 36563

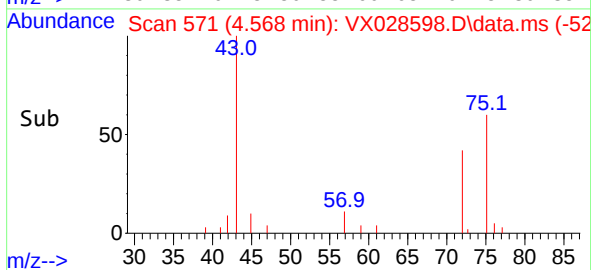
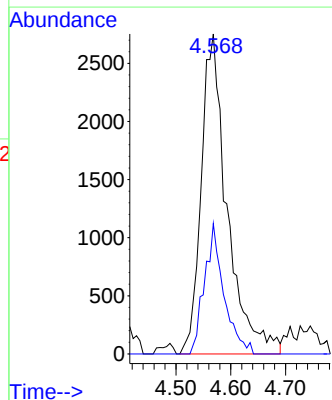
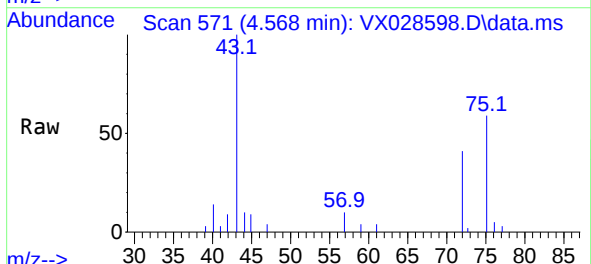
Ion	Ratio	Lower	Upper
84	100		
49	113.2	85.5	128.3
51	33.8	26.6	39.8
86	64.6	51.5	77.3

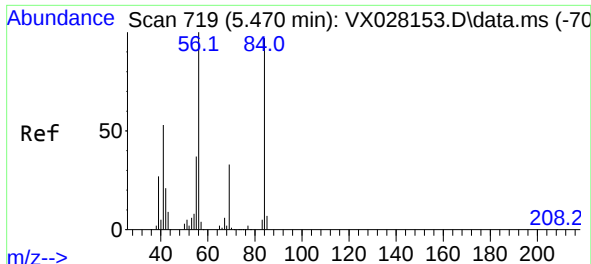


#25
2-Butanone
Concen: 2.904 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 43 Resp: 9038

Ion	Ratio	Lower	Upper
43	100		
72	43.0	24.4	36.6

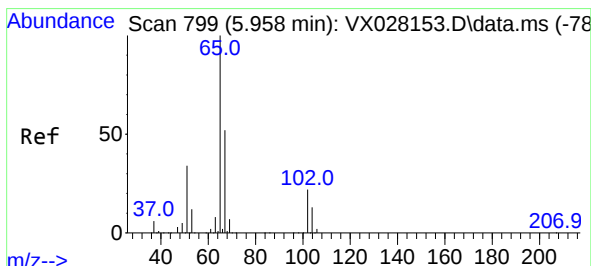
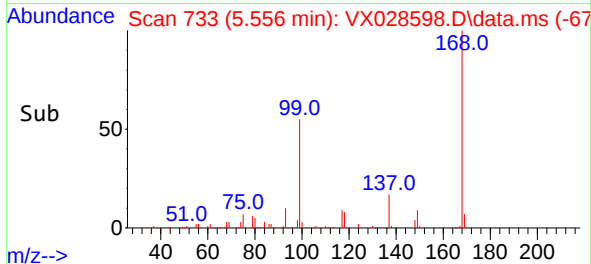
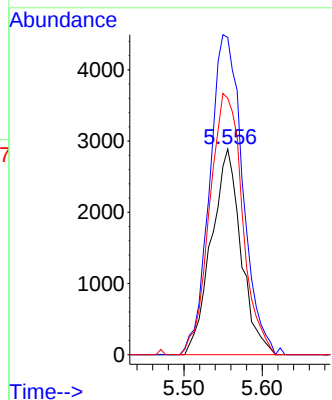
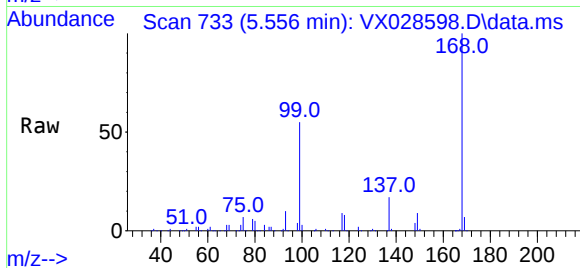




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

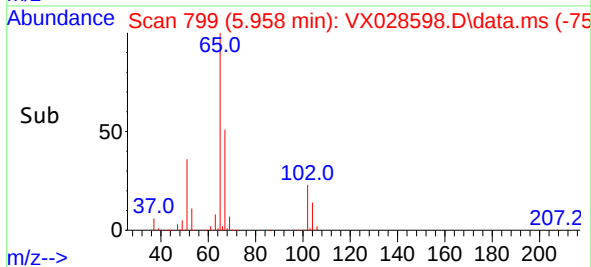
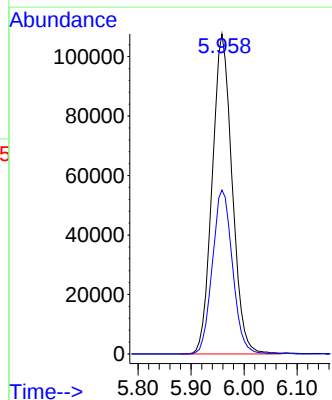
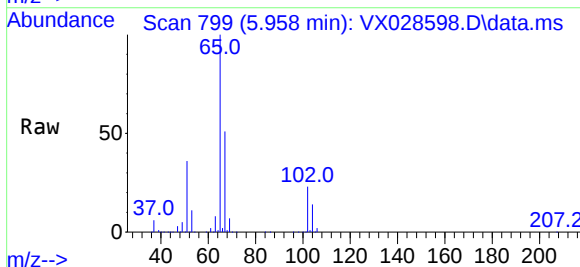
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

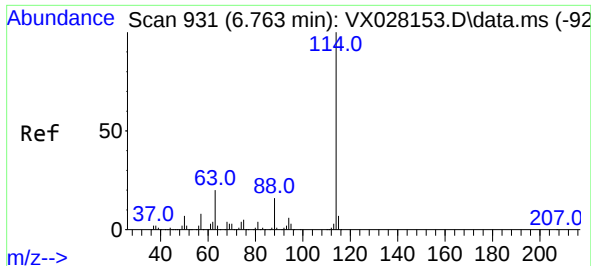
Tgt Ion: 56 Resp: 7630
Ion Ratio Lower Upper
56 100
69 154.4 26.7 40.1#
84 124.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.523 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

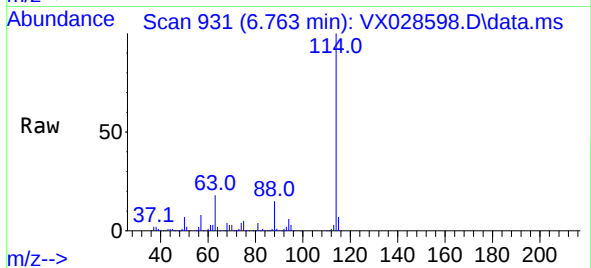
Tgt Ion: 65 Resp: 281248
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4



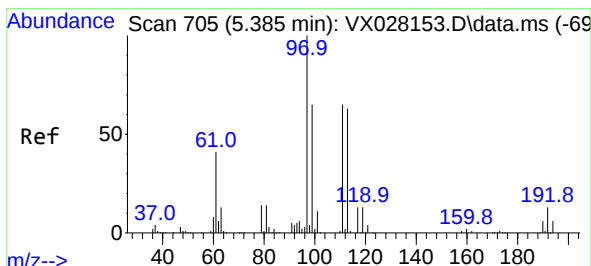
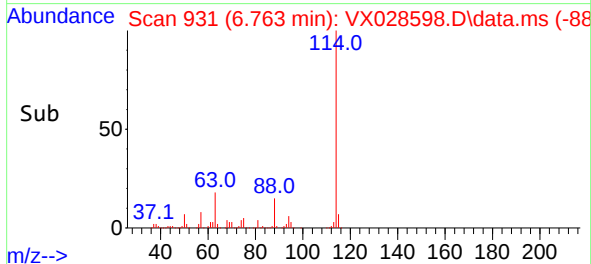
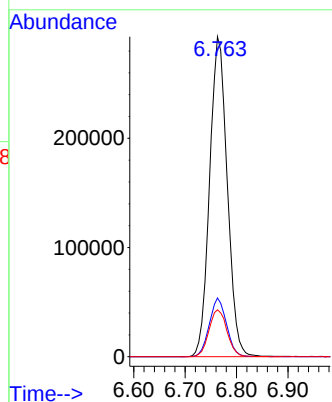


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

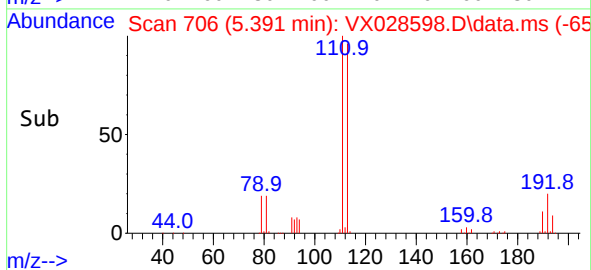
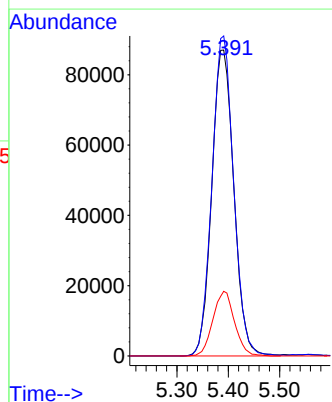
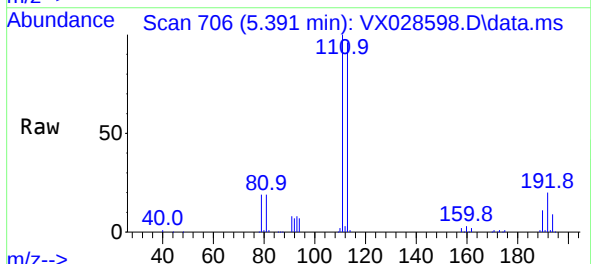


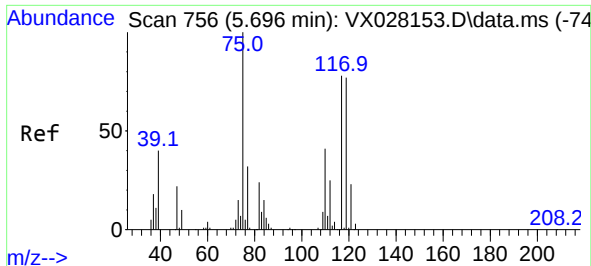
Tgt Ion:114 Resp: 697473
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.8
88 14.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.103 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion:113 Resp: 259742
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.7 16.9 25.3

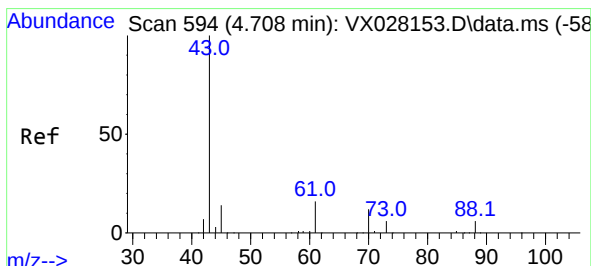
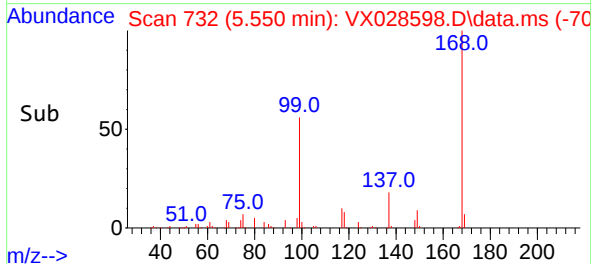
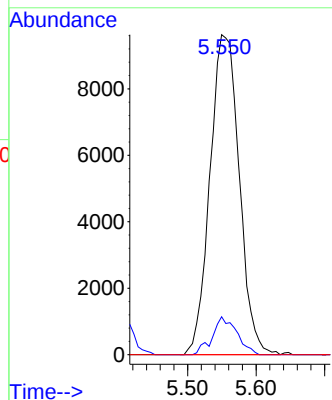
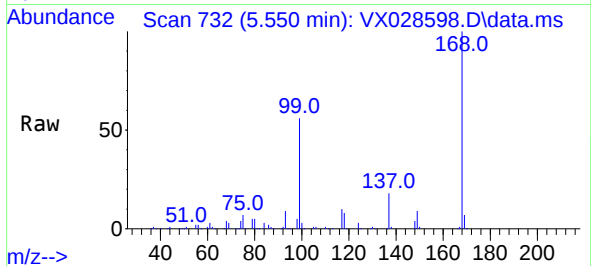




#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

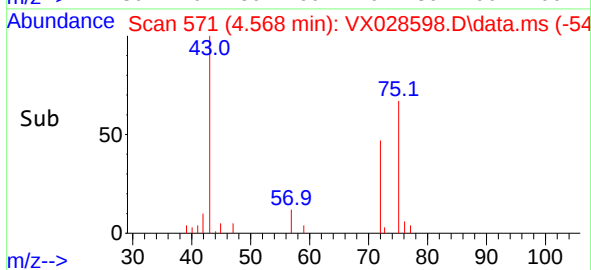
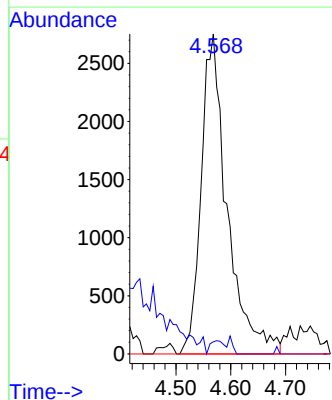
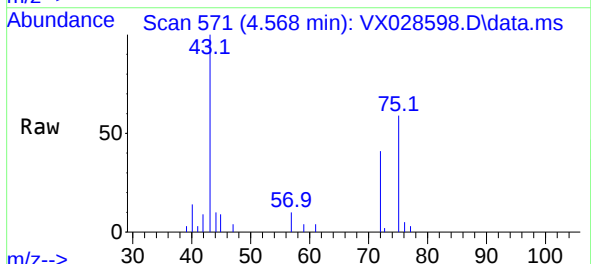
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

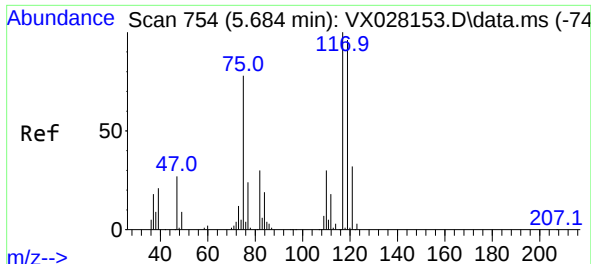
Tgt Ion: 75 Resp: 28569
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.396 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

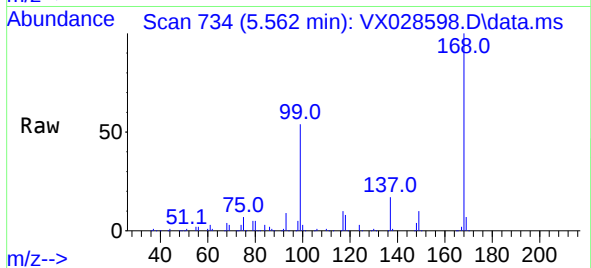
Tgt Ion: 43 Resp: 9038
Ion Ratio Lower Upper
43 100
61 2.2 12.6 19.0#
70 0.0 10.2 15.2#



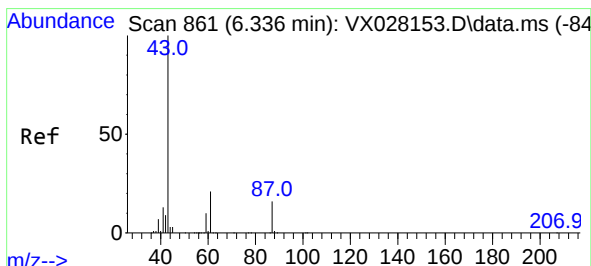
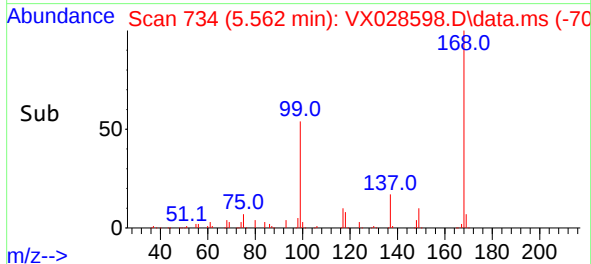
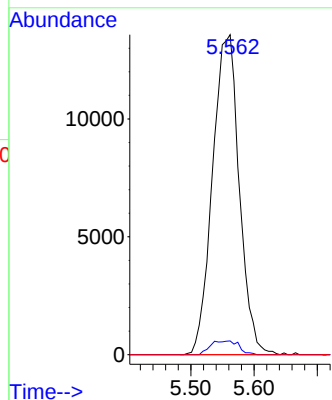


#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

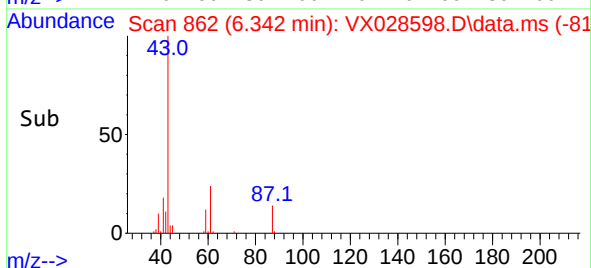
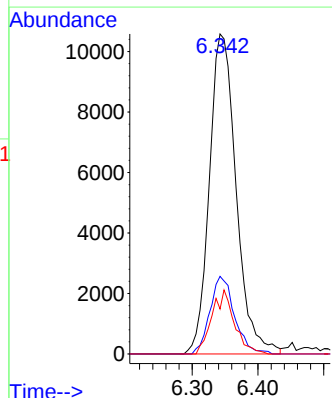
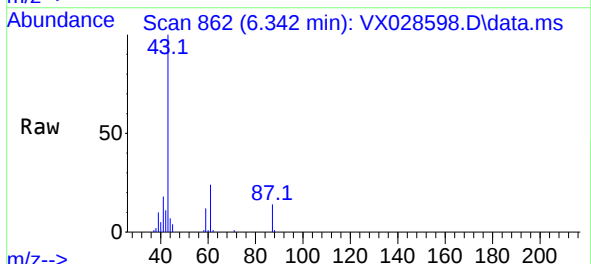


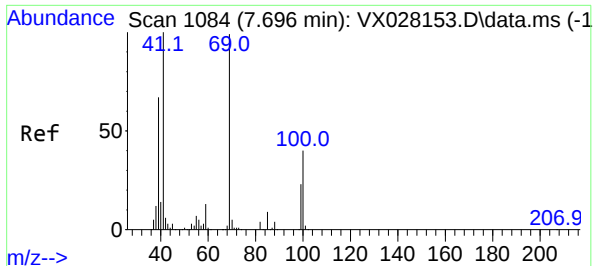
Tgt Ion:117 Resp: 39836
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.846 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 43 Resp: 29984
Ion Ratio Lower Upper
43 100
61 22.3 18.5 27.7
87 16.8 13.0 19.6





#48

Methyl methacrylate

Concen: 1.796 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX028598.D

Acq: 10 May 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#12

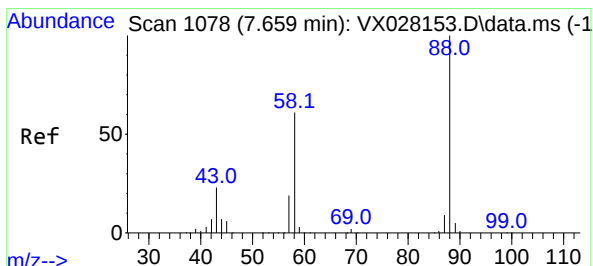
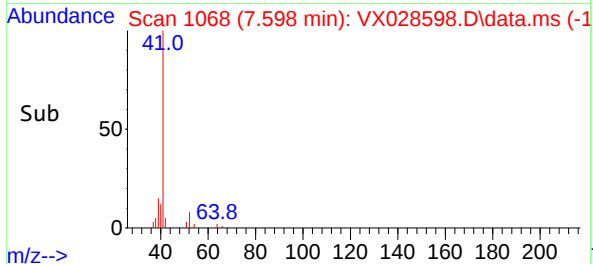
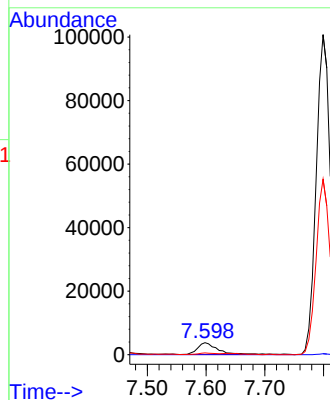
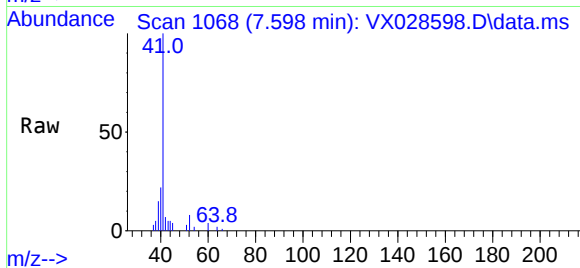
Tgt Ion: 41 Resp: 8689

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 3.261 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028598.D

Acq: 10 May 2022 16:45

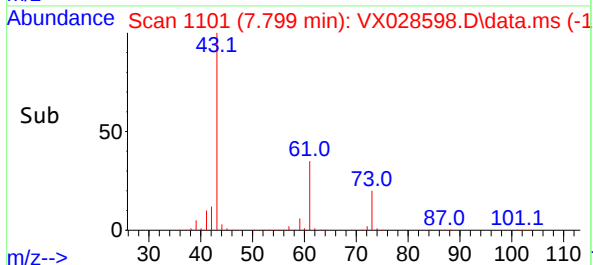
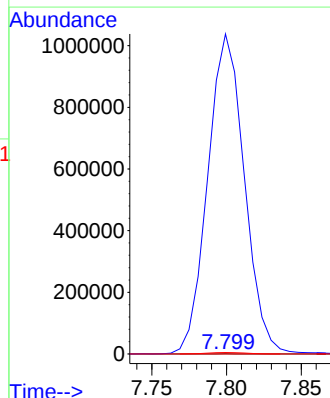
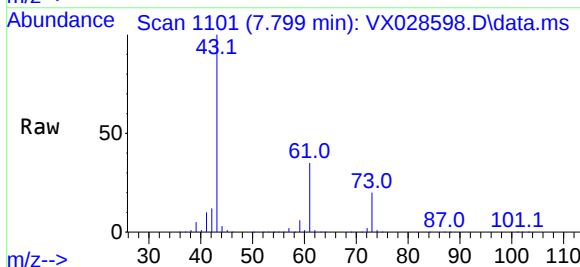
Tgt Ion: 88 Resp: 422

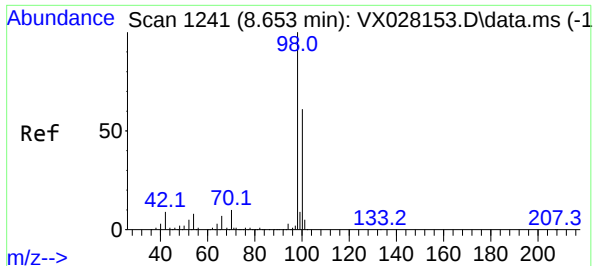
Ion Ratio Lower Upper

88 100

43 421118.5 21.9 32.9#

58 2023.0 53.7 80.5#

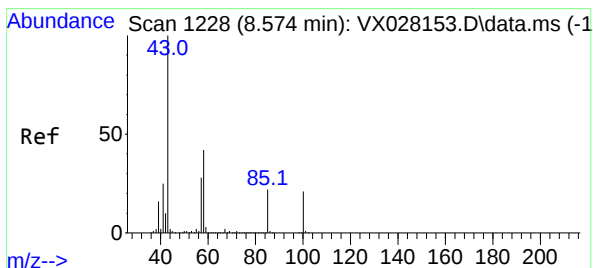
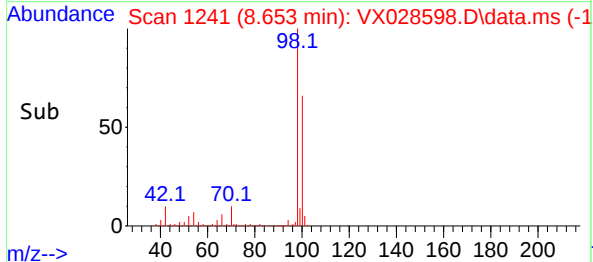
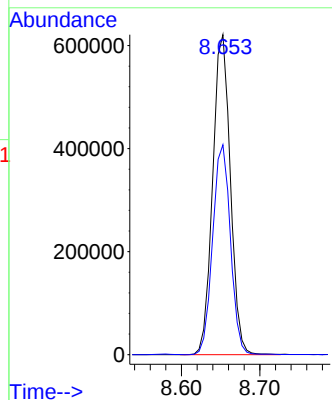
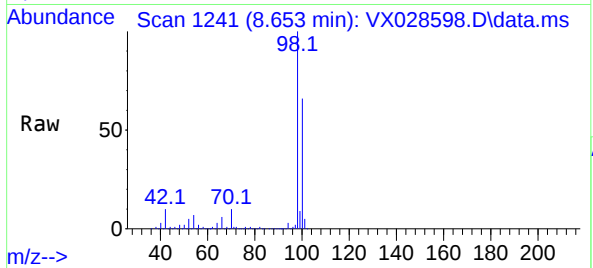




#50
Toluene-d8
Concen: 51.782 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

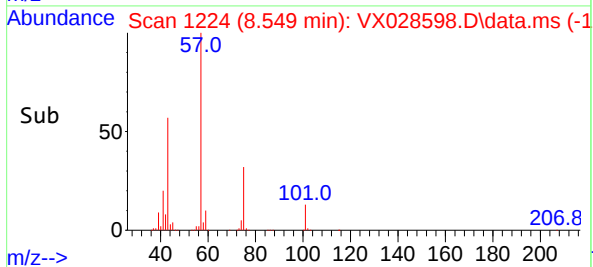
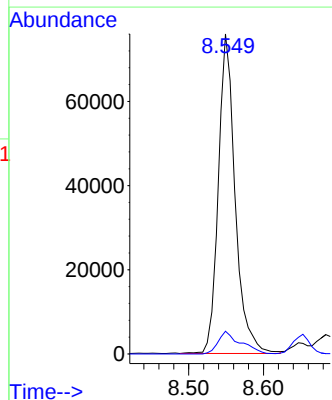
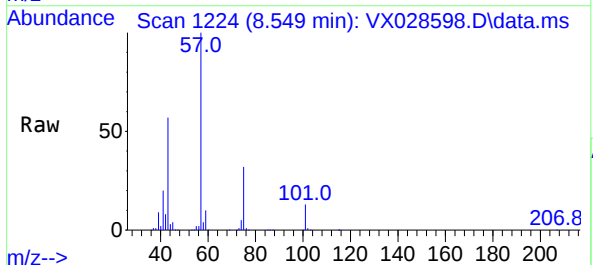
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

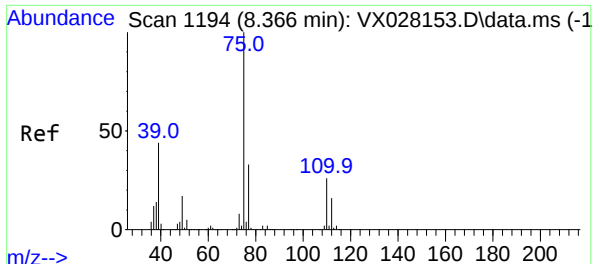
Tgt Ion: 98 Resp: 972803
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.579 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 43 Resp: 118857
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#

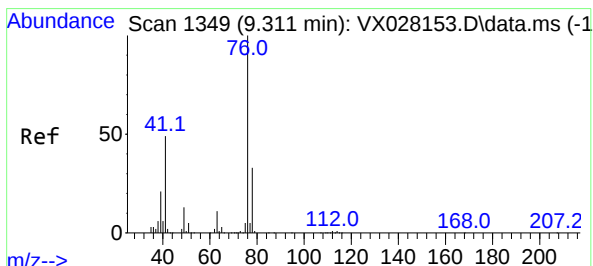
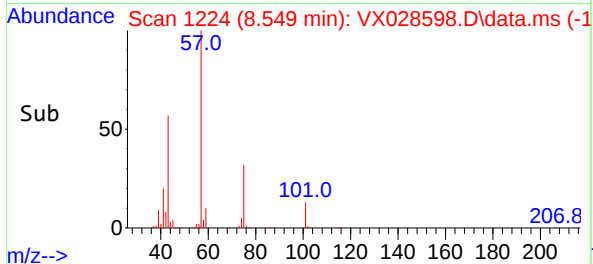
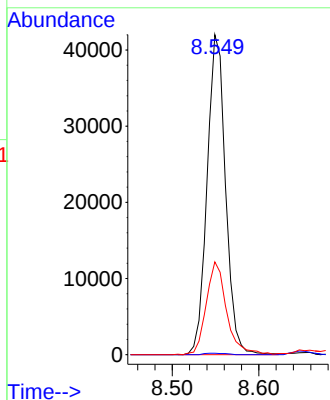
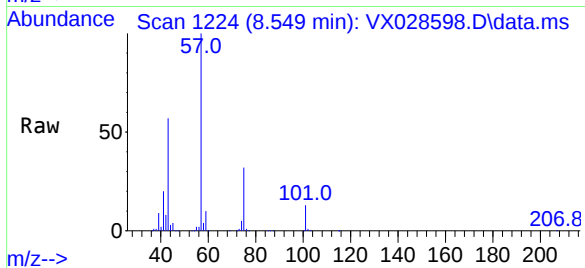




#54
cis-1,3-Dichloropropene
Concen: 7.919 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

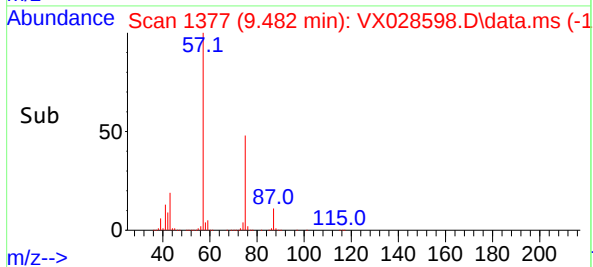
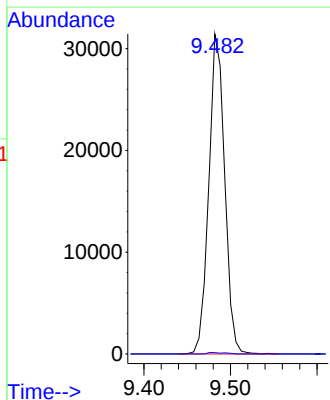
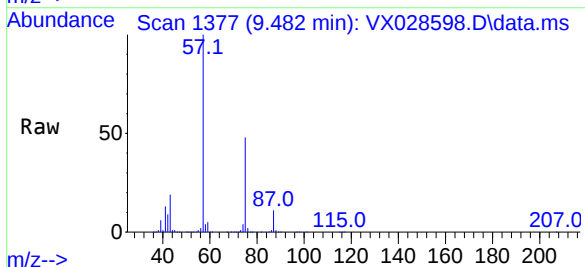
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

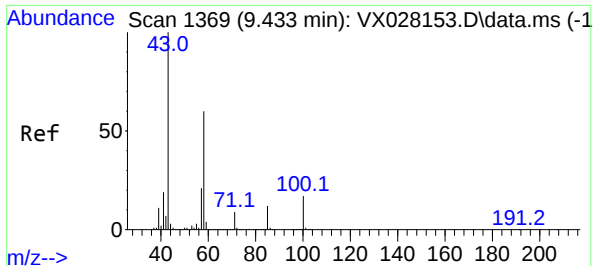
Tgt Ion: 75 Resp: 62292
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 28.9 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.706 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 76 Resp: 40047
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#

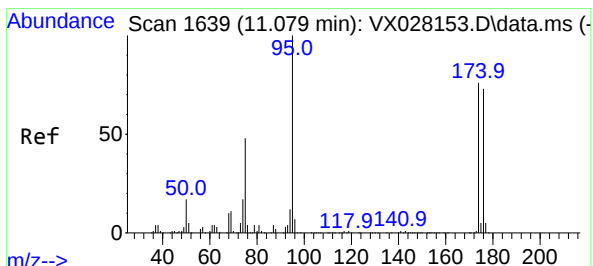
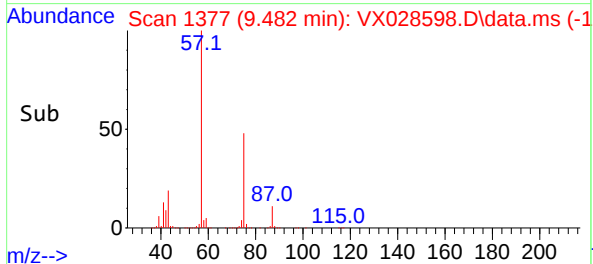
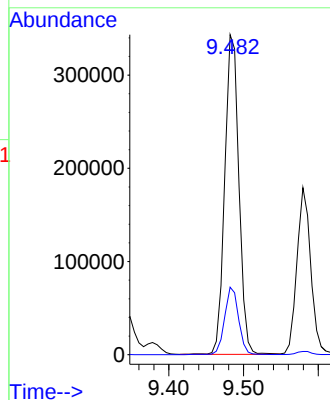
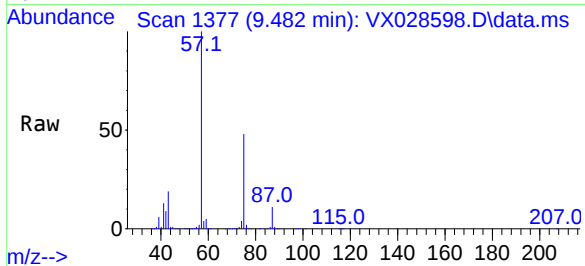




#59
2-Hexanone
Concen: 86.426 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

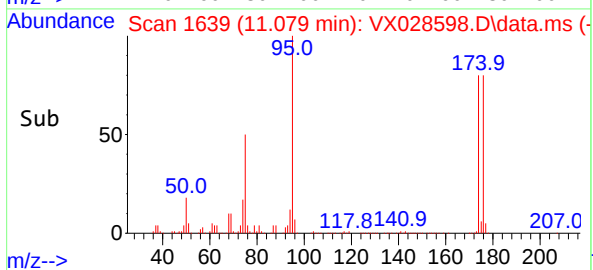
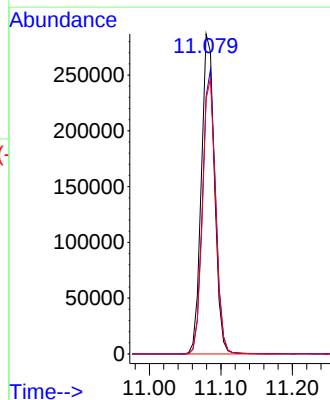
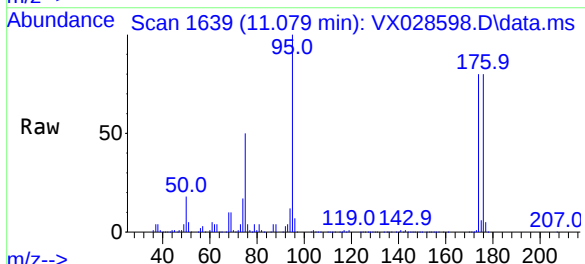
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

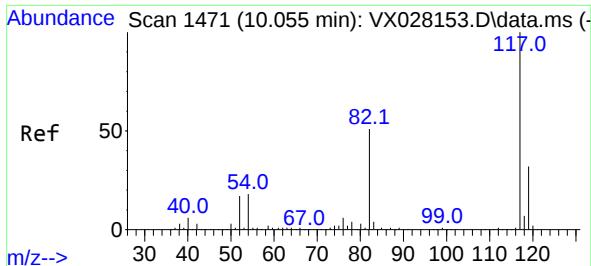
Tgt Ion: 43 Resp: 452654
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion: 95 Resp: 366182
Ion Ratio Lower Upper
95 100
174 88.1 0.0 163.0
176 85.8 0.0 155.0

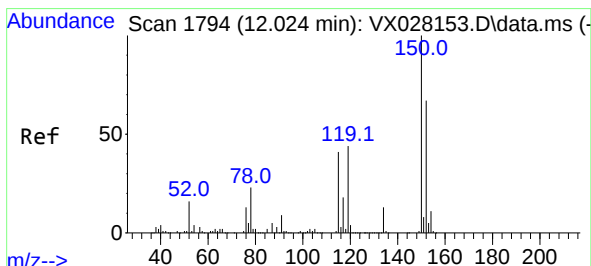
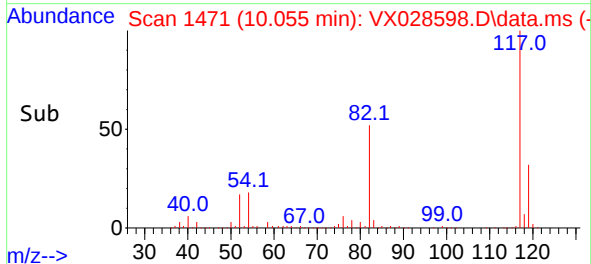
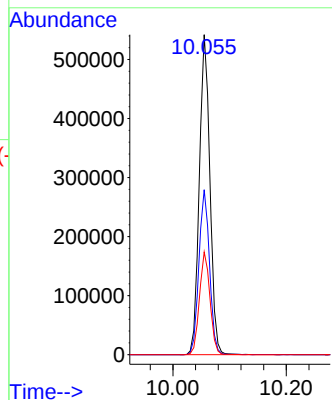
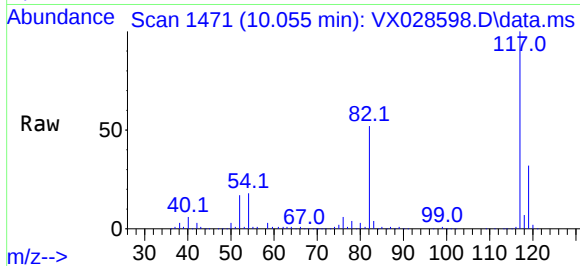




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

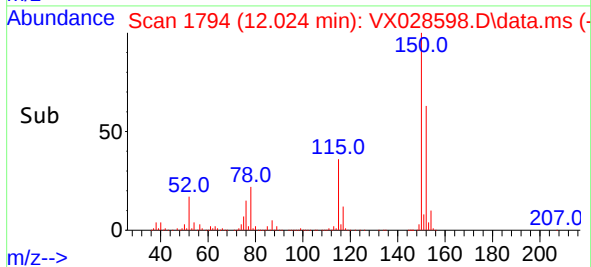
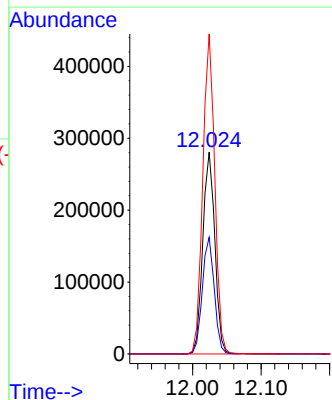
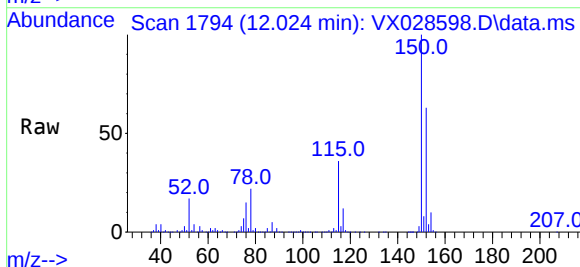
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

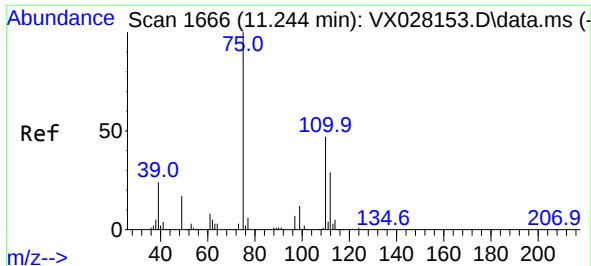
Tgt Ion:117 Resp: 702096
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

Tgt Ion:152 Resp: 345216
Ion Ratio Lower Upper
152 100
115 57.2 37.5 112.7
150 156.7 0.0 338.2

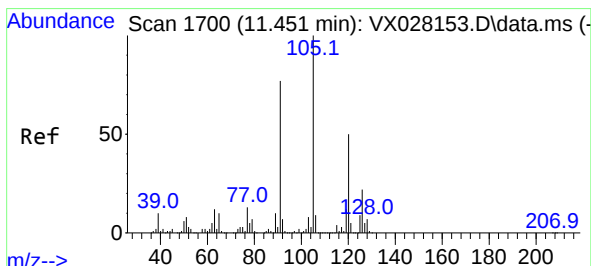
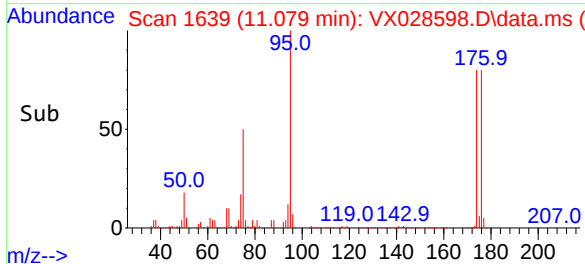
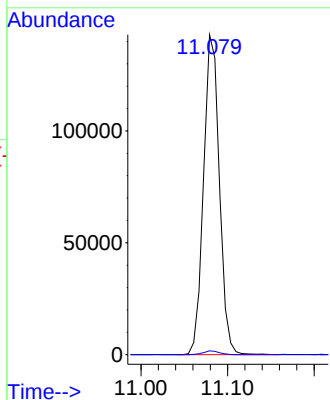
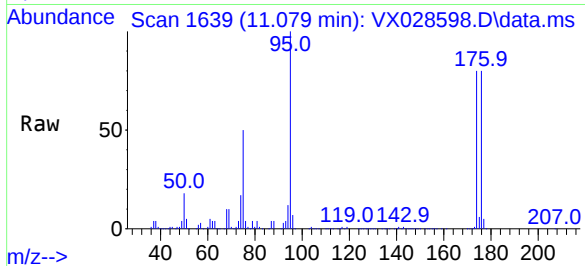




#76
1,2,3-Trichloropropane
Concen: 26.692 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

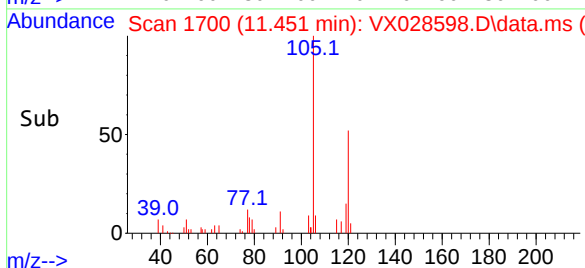
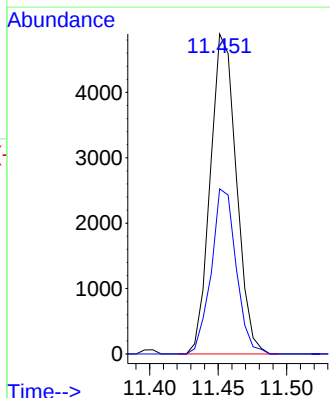
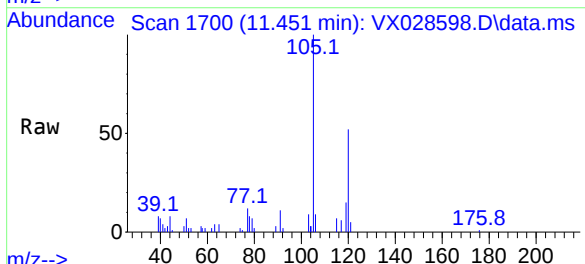
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#12

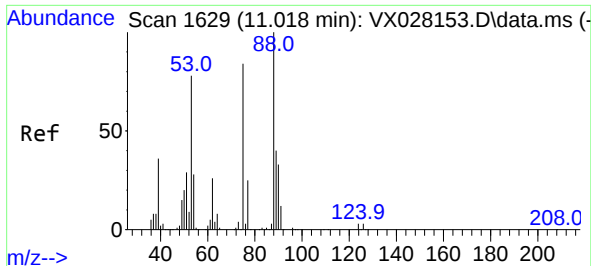
Tgt Ion: 75 Resp: 181349
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.321 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028598.D
Acq: 10 May 2022 16:45

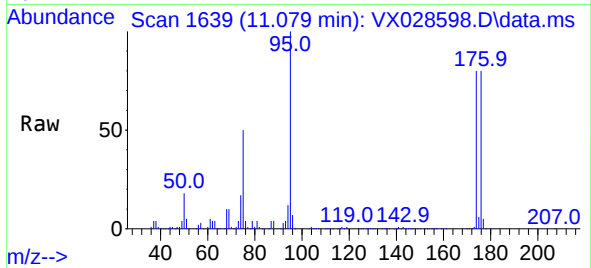
Tgt Ion: 105 Resp: 6457
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.322 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028598.D
 Acq: 10 May 2022 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#12



Tgt Ion: 75 Resp: 181349
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

