

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028549.D
 Acq On : 06 May 2022 14:59
 Operator : JC/MD
 Sample : PB144610ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#06

Quant Time: May 07 06:02:29 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)

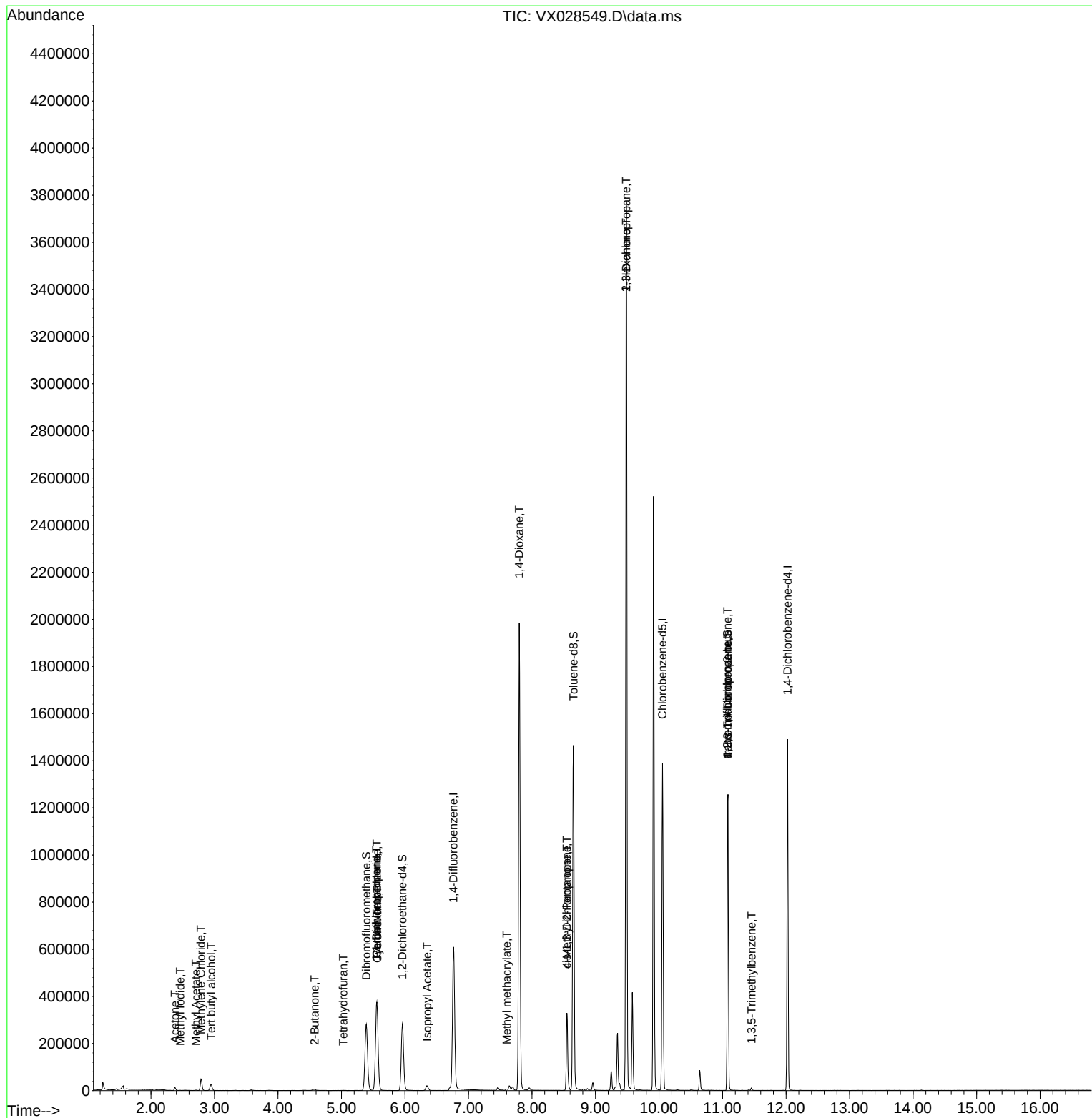
Internal Standards						
1) Pentafluorobenzene	5.556	168	371472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652499	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	643390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	294035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	264301	54.567	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.140%			
35) Dibromofluoromethane	5.391	113	244539	53.440	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.880%			
50) Toluene-d8	8.653	98	895109	50.930	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	324794	48.332	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.660%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	468	Below Cal	#	85
5) Bromomethane	1.617	94	1176	Below Cal		89
6) Chloroethane	1.788	64	431	Below Cal	#	45
8) Diethyl Ether	2.136	74	75	Below Cal	#	4
10) Methyl Iodide	2.459	142	549	5.354	ug/l #	90
11) Tert butyl alcohol	2.946	59	14040	5.417	ug/l #	77
16) Acetone	2.380	43	12839	7.324	ug/l	98
18) Methyl Acetate	2.709	43	2296	0.533	ug/l	91
20) Methylene Chloride	2.788	84	23647	6.580	ug/l	96
25) 2-Butanone	4.574	43	2597	0.905	ug/l #	85
29) Tetrahydrofuran	5.025	42	714	0.382	ug/l #	47
31) Cyclohexane	5.562	56	7444	1.261	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	26095	4.372	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36903	5.477	ug/l #	15
43) Isopropyl Acetate	6.348	43	27225	2.762	ug/l	97
48) Methyl methacrylate	7.604	41	8433	1.863	ug/l #	7
49) 1,4-Dioxane	7.799	88	342	2.825	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	103645	16.386	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	55504	7.543	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	37477	4.708	ug/l #	43
59) 2-Hexanone	9.482	43	416411	84.986	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	161542	27.916	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4839	0.282	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	161542	82.958	ug/l #	15

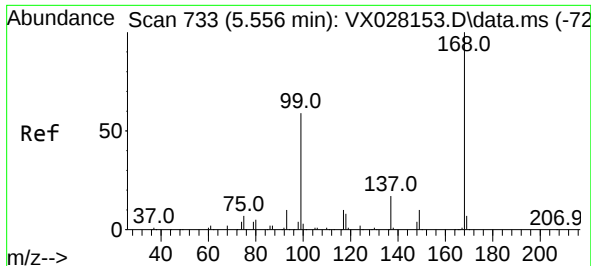
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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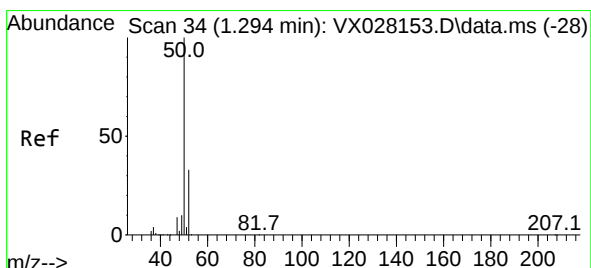
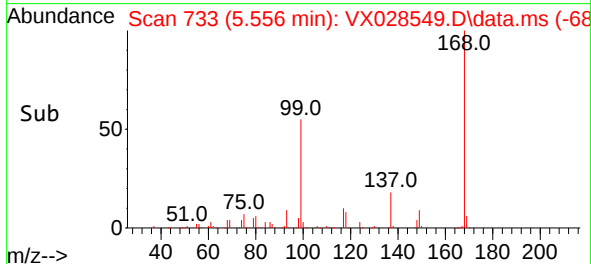
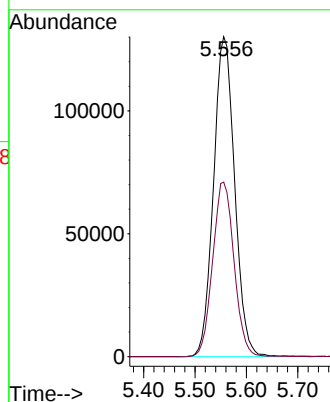
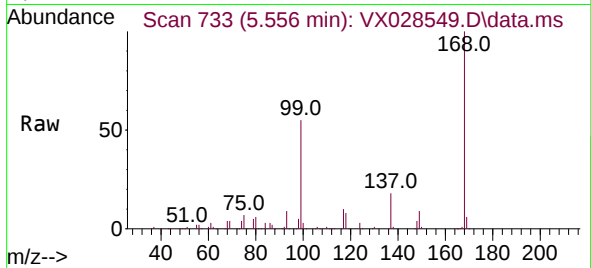




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

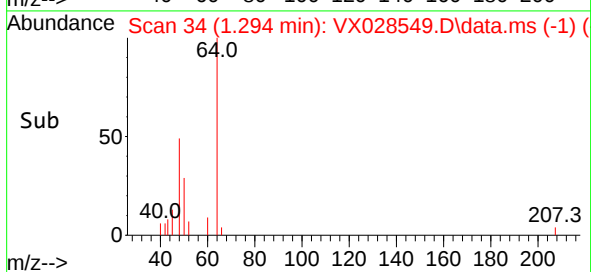
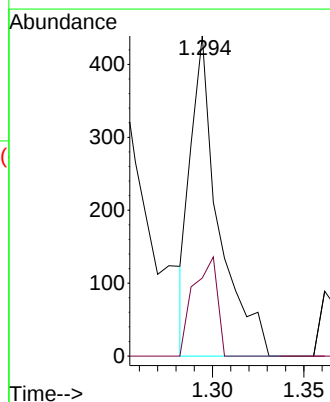
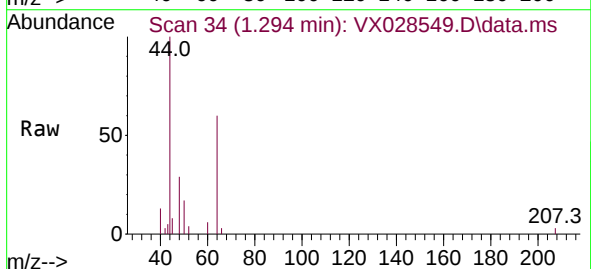
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

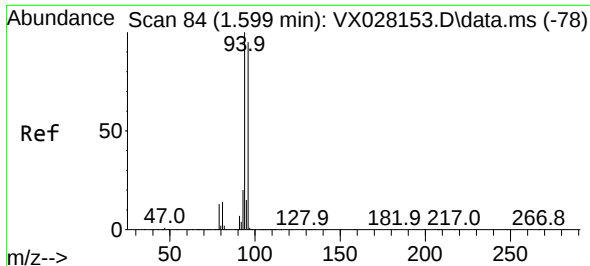
Tgt Ion:168 Resp: 371472
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 50 Resp: 468
Ion Ratio Lower Upper
50 100
52 24.4 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.617 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Instrument :

MSVOA_X

ClientSampleId :

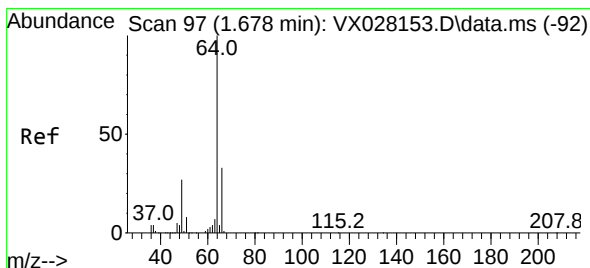
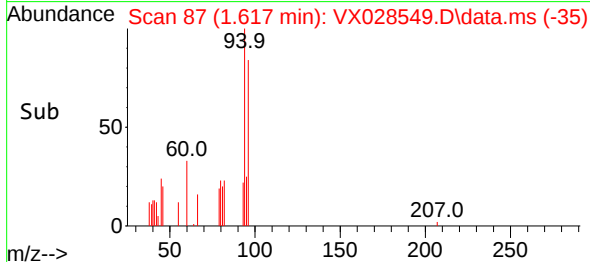
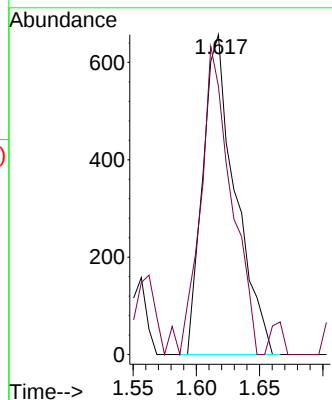
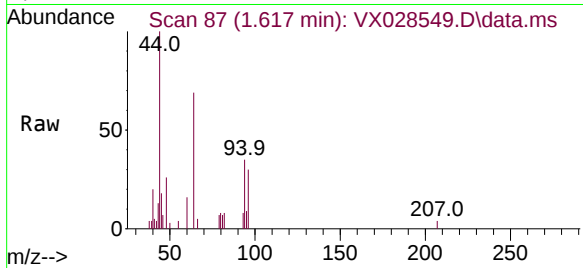
PB144610ZHE#06

Tgt Ion: 94 Resp: 1176

Ion Ratio Lower Upper

94 100

96 83.9 75.3 112.9



#6

Chloroethane

Concen: Below Cal

RT: 1.788 min Scan# 115

Delta R.T. 0.110 min

Lab File: VX028549.D

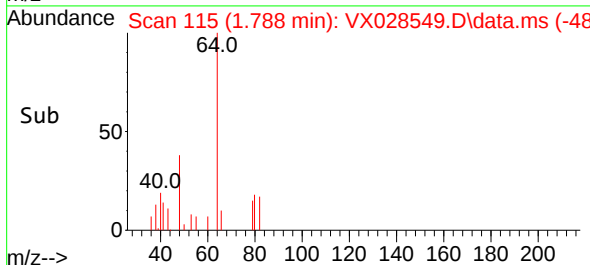
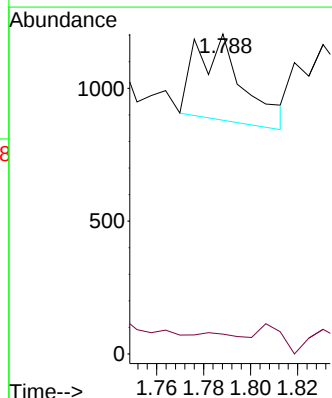
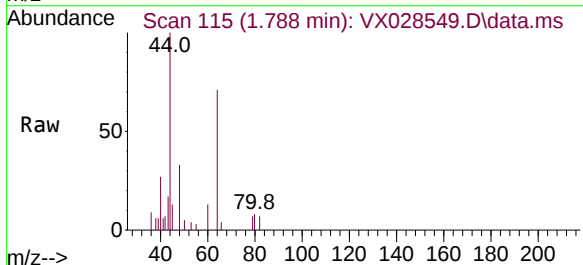
Acq: 06 May 2022 14:59

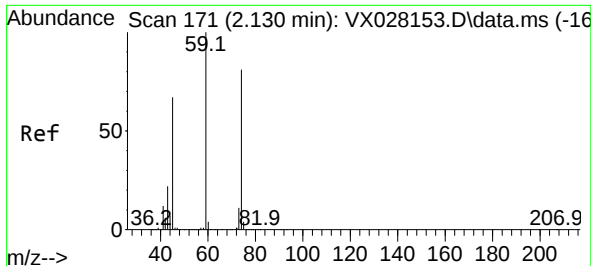
Tgt Ion: 64 Resp: 431

Ion Ratio Lower Upper

64 100

66 1.3 25.3 37.9#

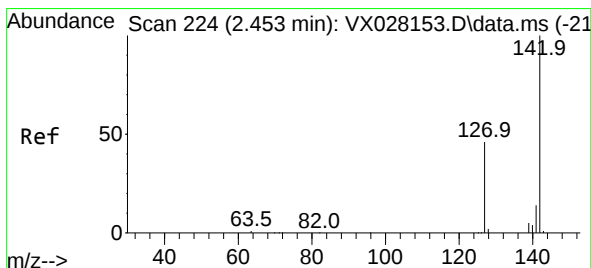
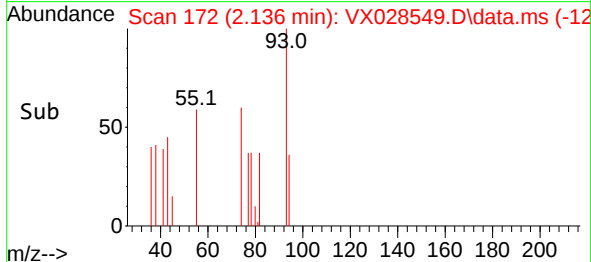
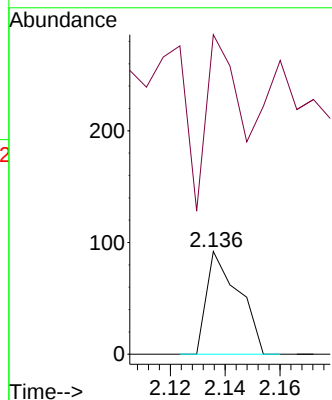
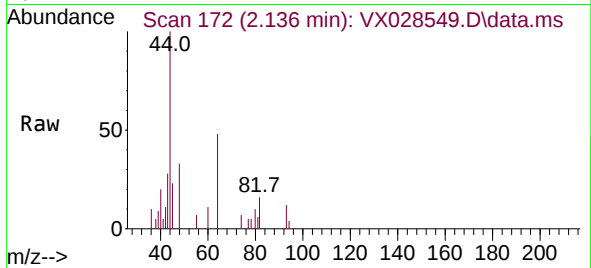




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

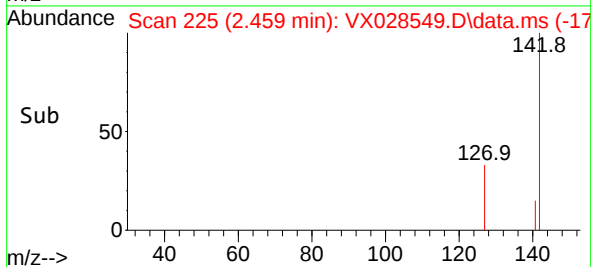
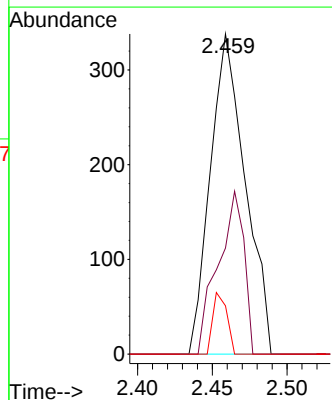
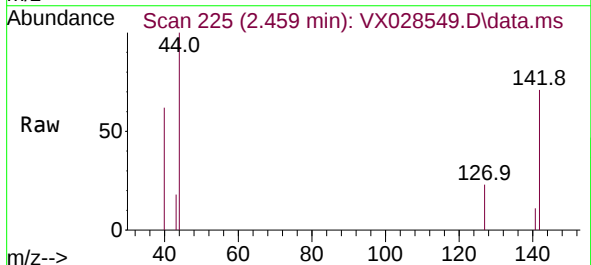
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

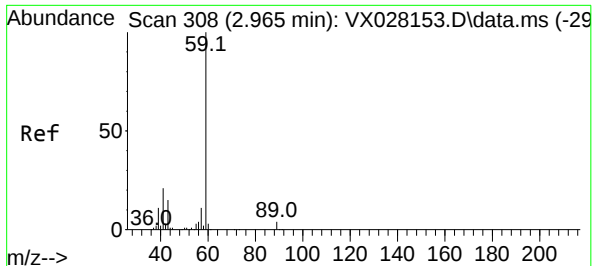
Tgt Ion: 74 Resp: 75
Ion Ratio Lower Upper
74 100
45 170.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.354 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 142 Resp: 549
Ion Ratio Lower Upper
142 100
127 37.7 33.9 50.9
141 7.7 11.4 17.2#





#11

Tert butyl alcohol

Concen: 5.417 ug/l

RT: 2.946 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Instrument :

MSVOA_X

ClientSampleId :

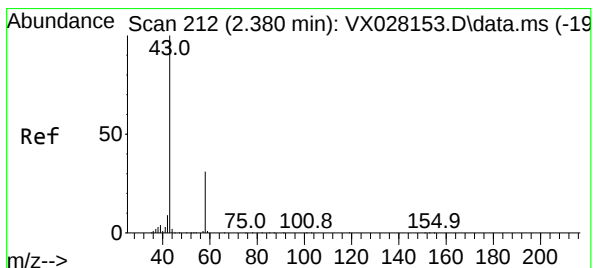
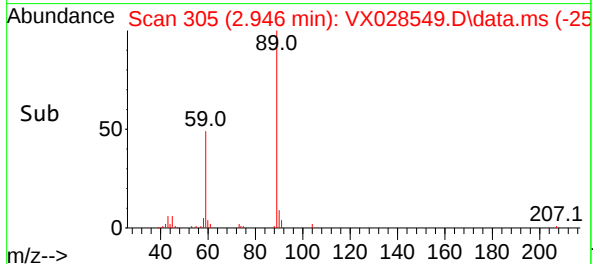
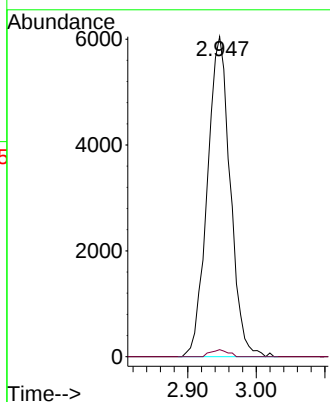
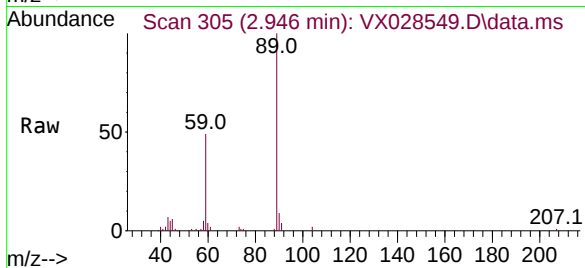
PB144610ZHE#06

Tgt Ion: 59 Resp: 14040

Ion Ratio Lower Upper

59 100

57 1.7 8.3 12.5#



#16

Acetone

Concen: 7.324 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028549.D

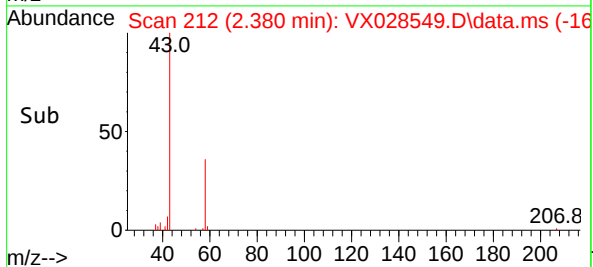
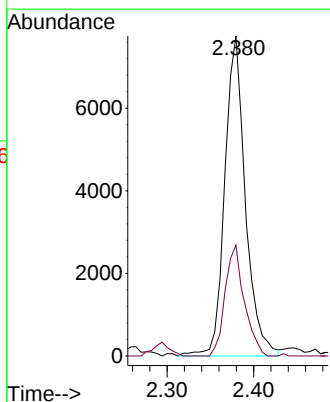
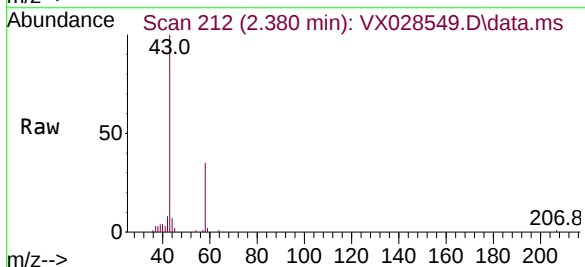
Acq: 06 May 2022 14:59

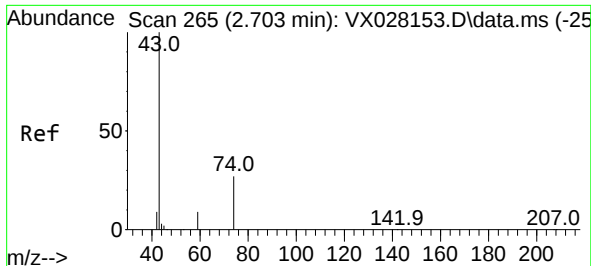
Tgt Ion: 43 Resp: 12839

Ion Ratio Lower Upper

43 100

58 34.6 28.8 43.2

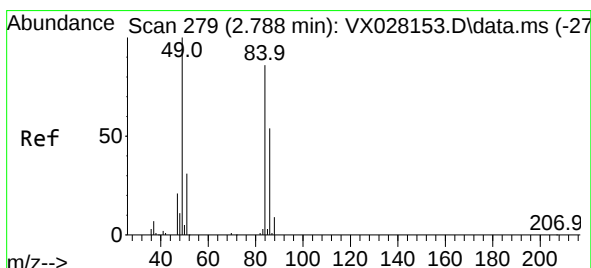
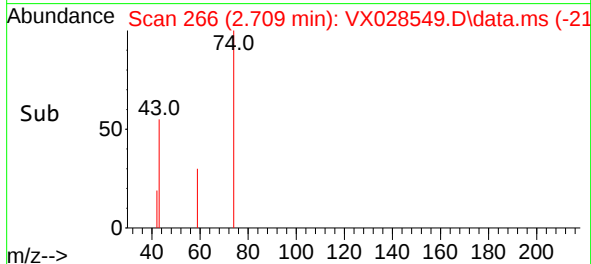
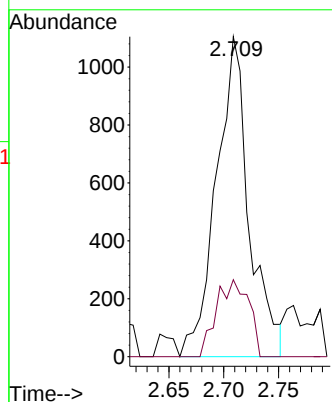
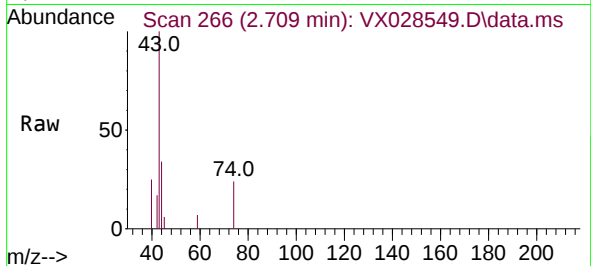




#18
Methyl Acetate
Concen: 0.533 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

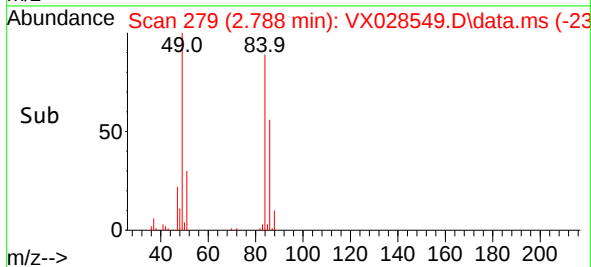
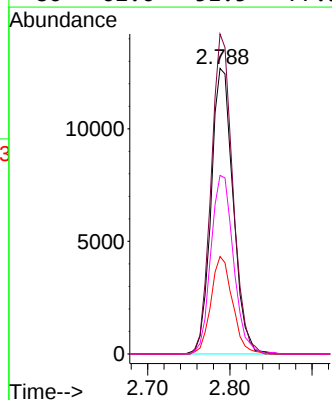
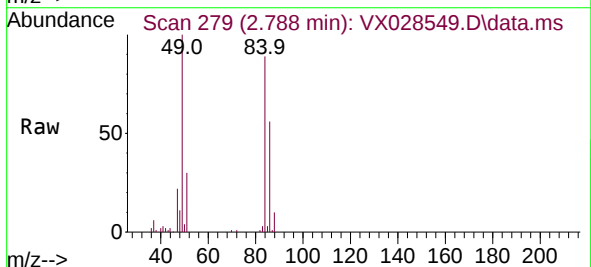
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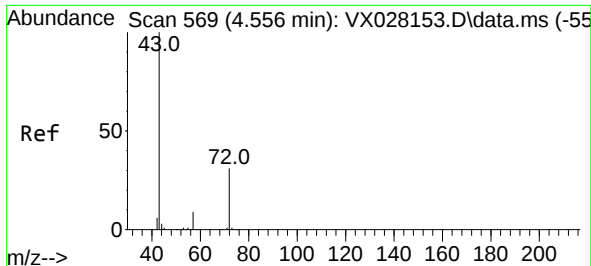
Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
74 23.6 22.8 34.2



#20
Methylene Chloride
Concen: 6.580 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 84 Resp: 23647
Ion Ratio Lower Upper
84 100
49 112.1 85.5 128.3
51 34.1 26.6 39.8
86 62.6 51.5 77.3

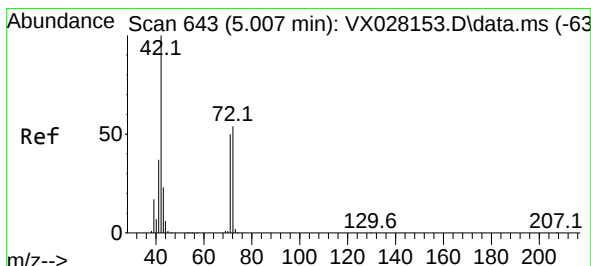
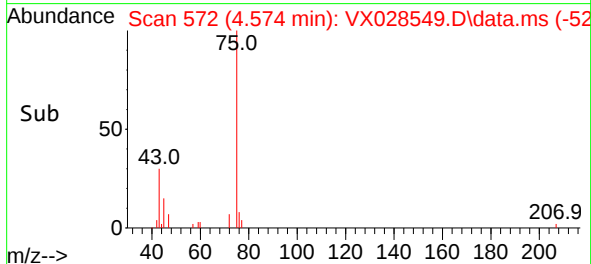
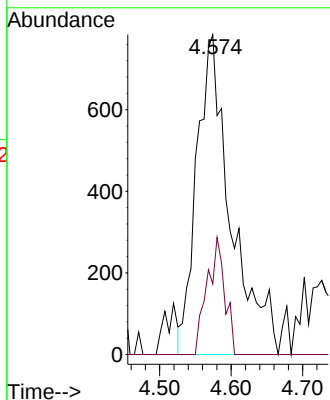
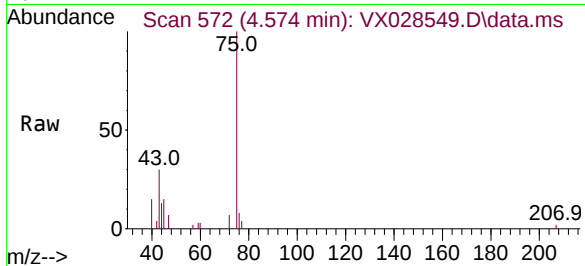




#25
2-Butanone
Concen: 0.905 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

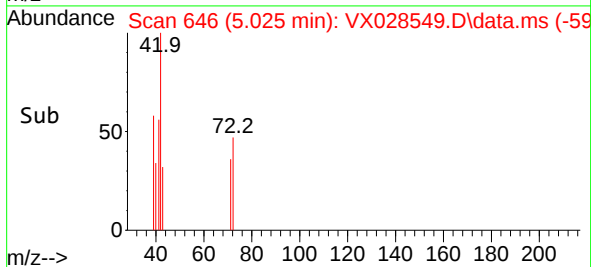
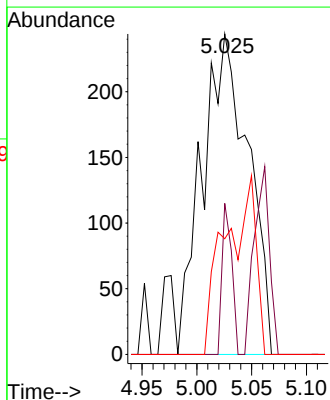
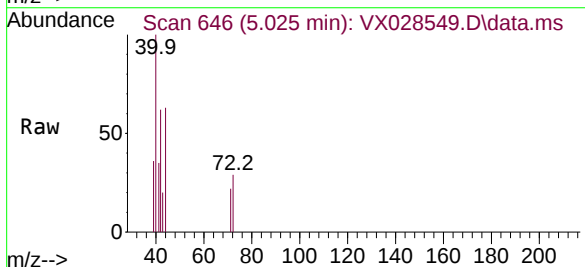
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PB144610ZHE#06

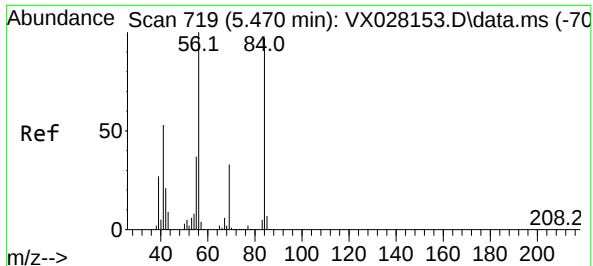
Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
72 22.1 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.382 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 42 Resp: 714
Ion Ratio Lower Upper
42 100
72 9.9 44.1 66.1#
71 21.1 40.5 60.7#

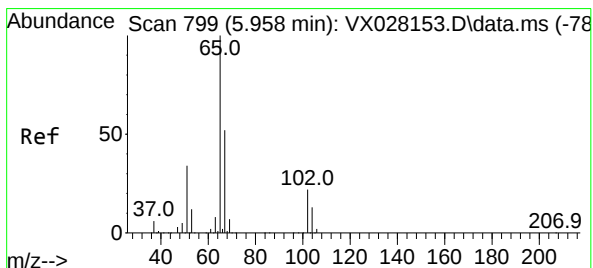
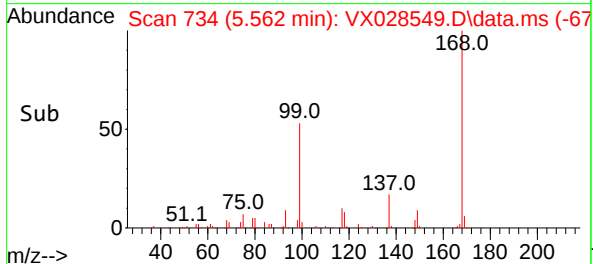
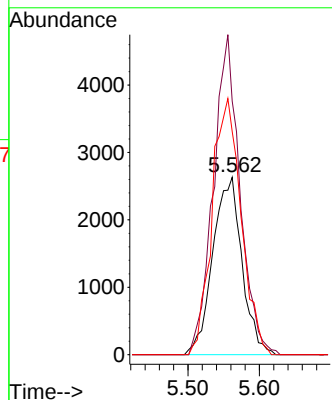
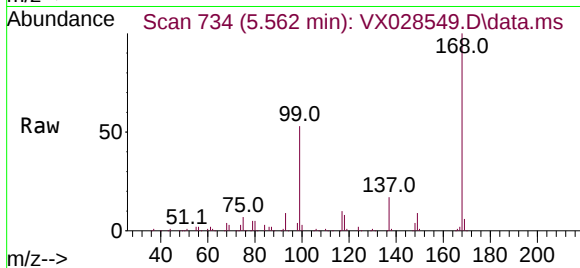




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

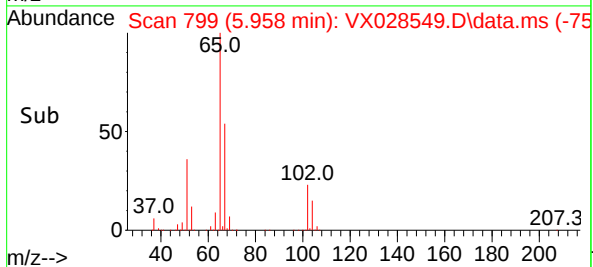
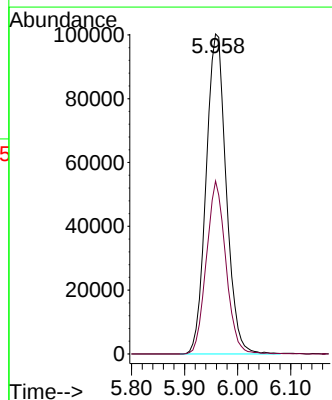
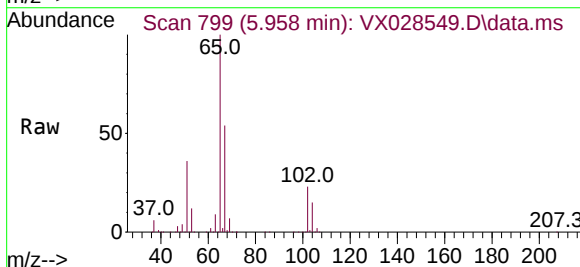
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ClientSampleId :
PB144610ZHE#06

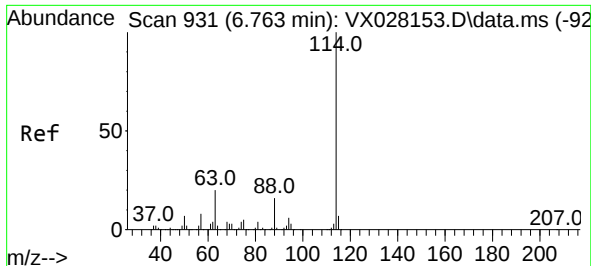
Tgt Ion: 56 Resp: 7444
Ion Ratio Lower Upper
56 100
69 142.9 26.7 40.1#
84 125.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.567 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 65 Resp: 264301
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

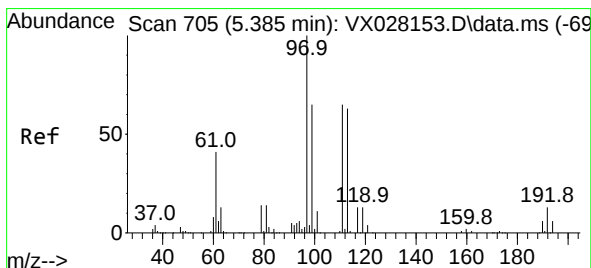
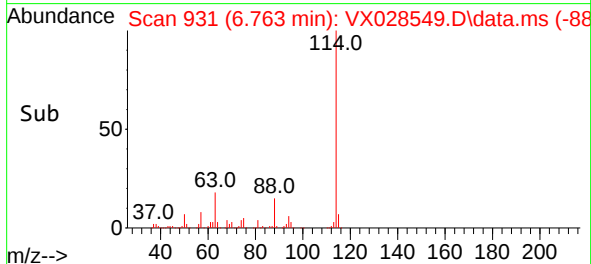
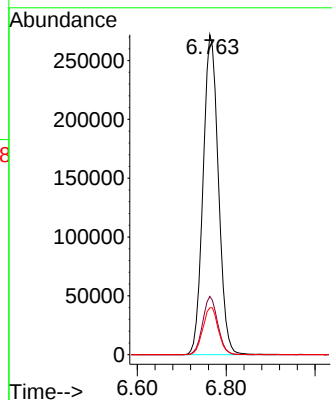
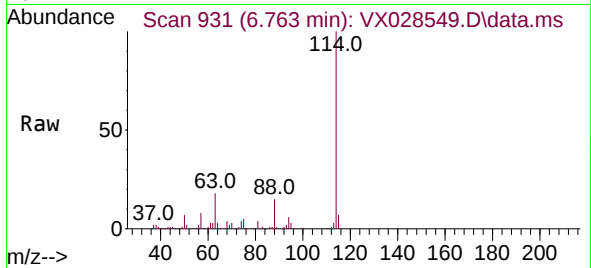




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

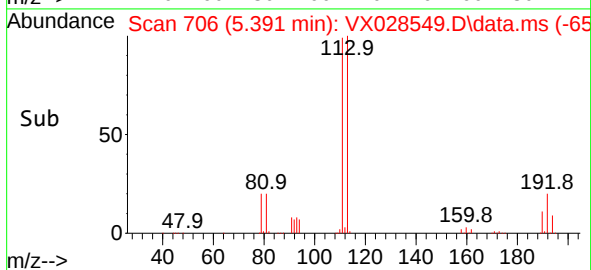
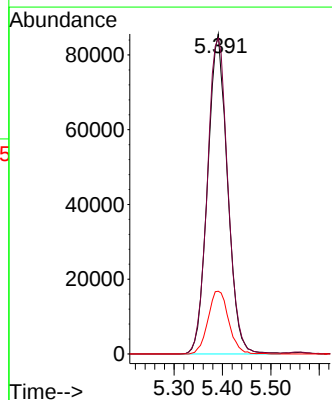
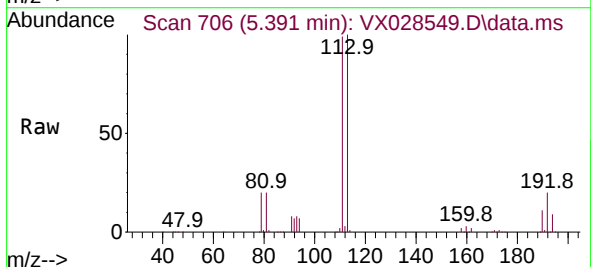
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

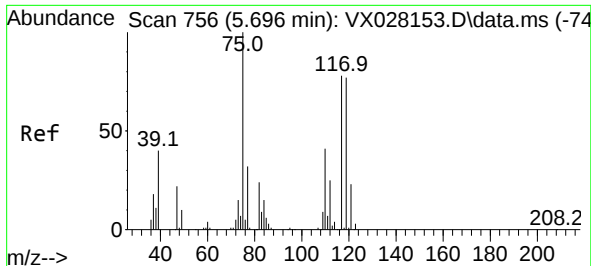
Tgt Ion:114 Resp: 652499
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 14.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.440 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion:113 Resp: 244539
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 20.4 16.9 25.3

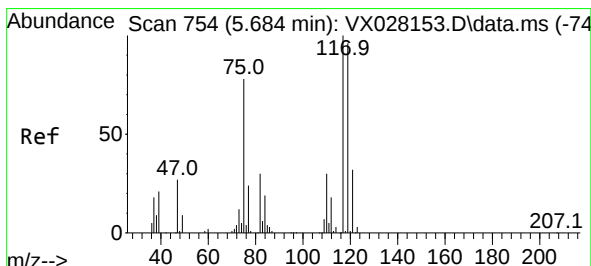
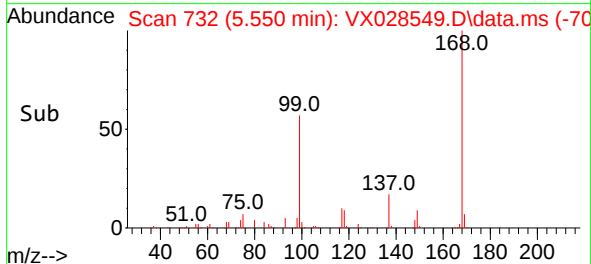
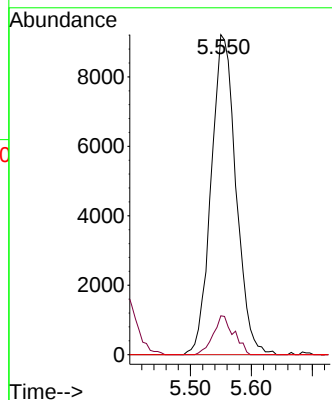
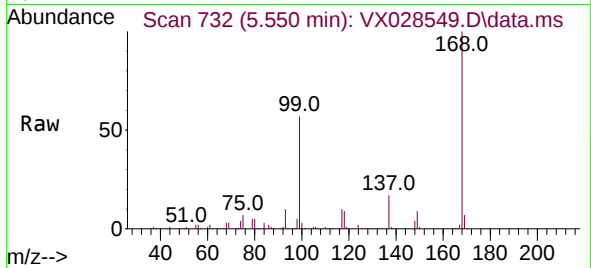




#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

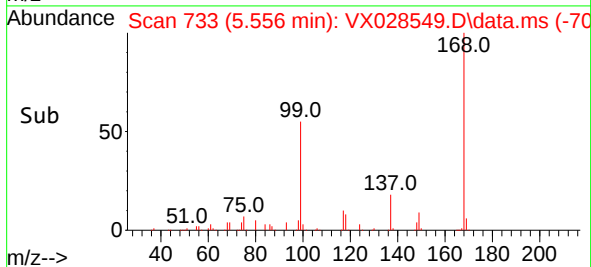
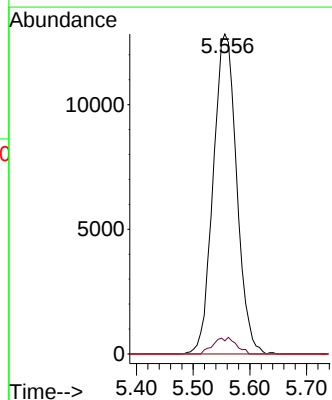
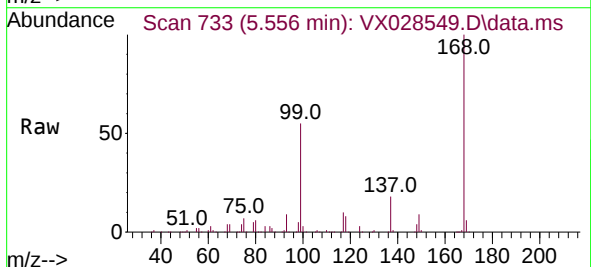
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

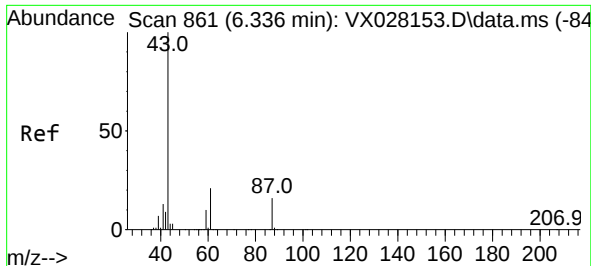
Tgt Ion: 75 Resp: 26095
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 117 Resp: 36903
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

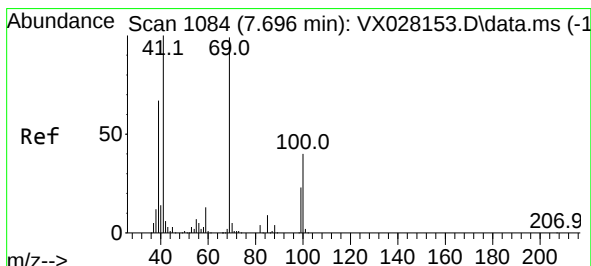
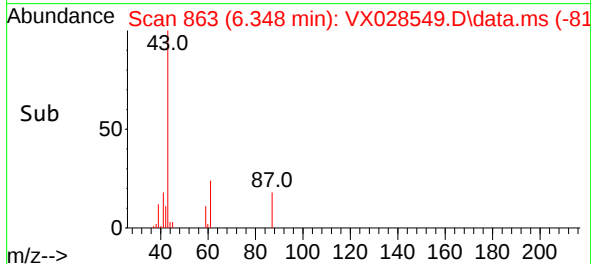
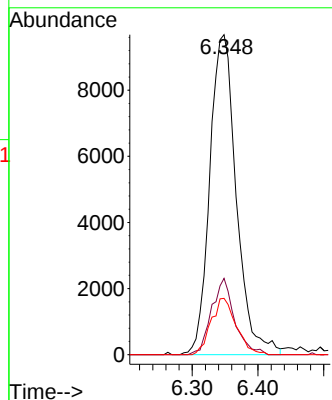
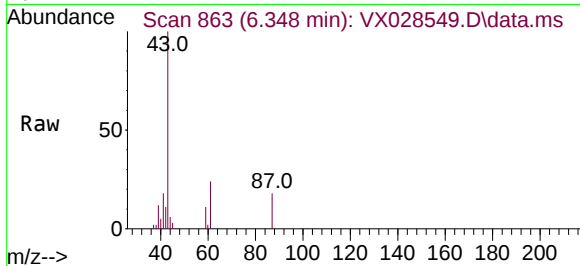




#43
Isopropyl Acetate
Concen: 2.762 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

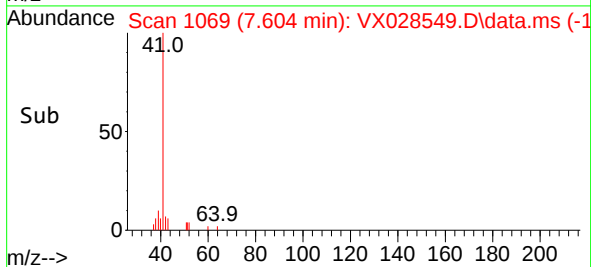
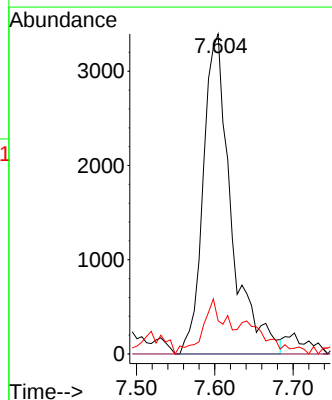
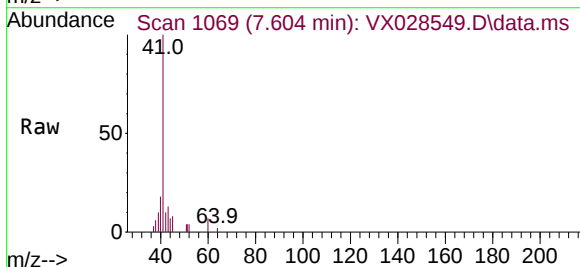
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

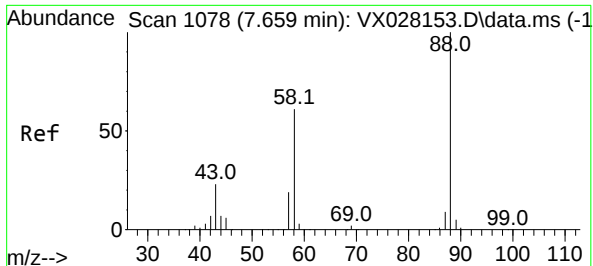
Tgt Ion: 43 Resp: 27225
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 16.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.863 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 41 Resp: 8433
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: 2.825 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#06

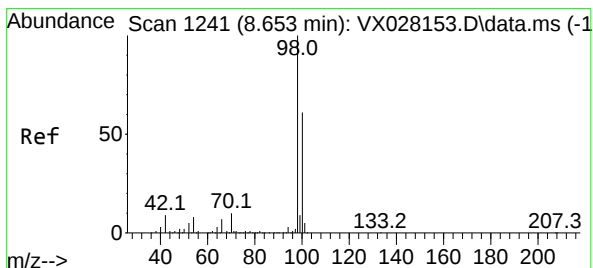
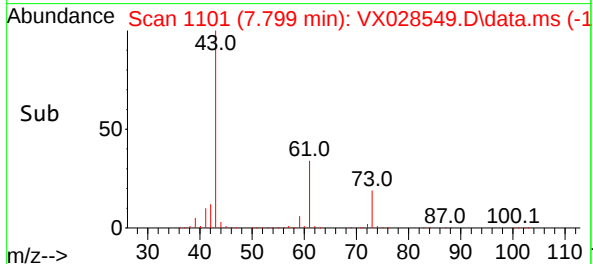
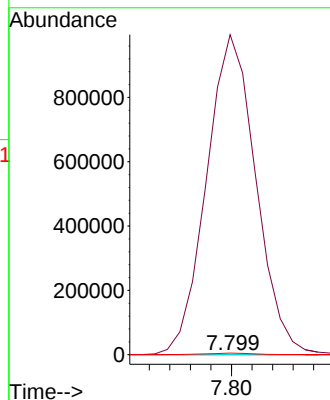
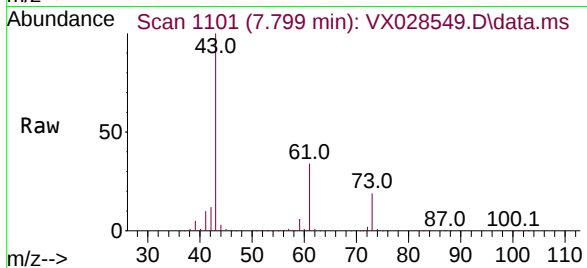
Tgt Ion: 88 Resp: 342

Ion Ratio Lower Upper

88 100

43 489283.6 21.9 32.9#

58 2385.7 53.7 80.5#



#50

Toluene-d8

Concen: 50.930 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028549.D

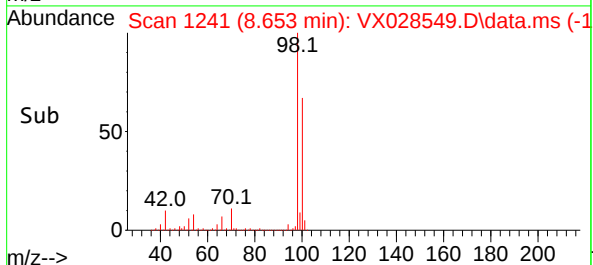
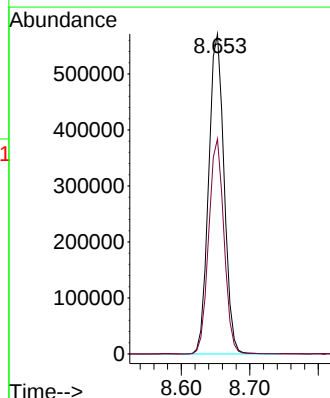
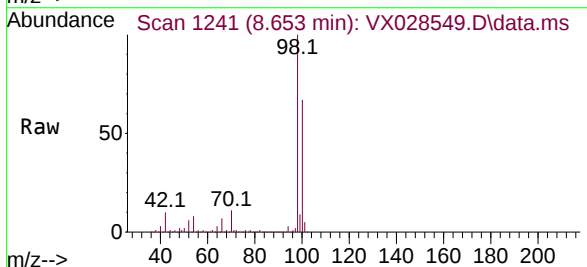
Acq: 06 May 2022 14:59

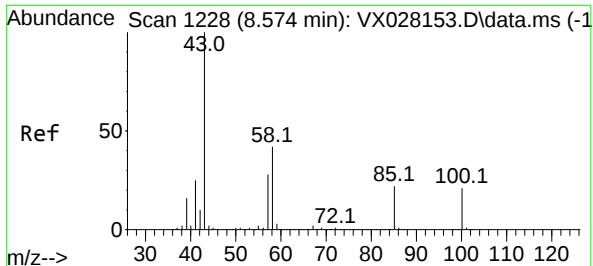
Tgt Ion: 98 Resp: 895109

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8

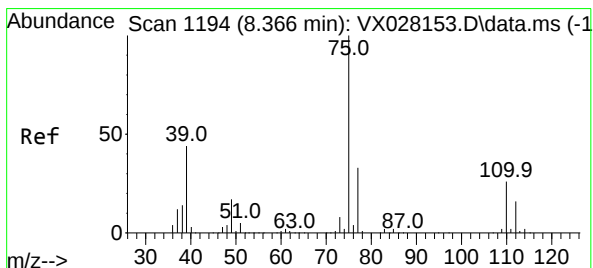
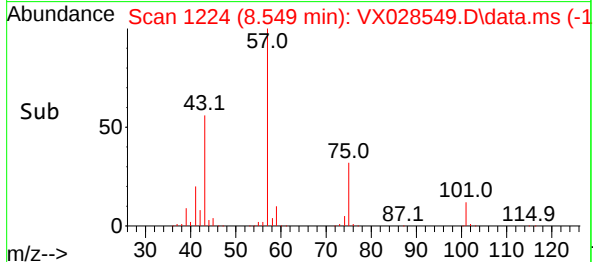
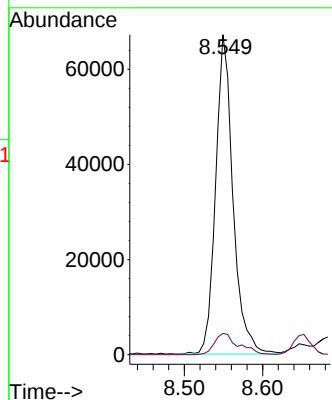
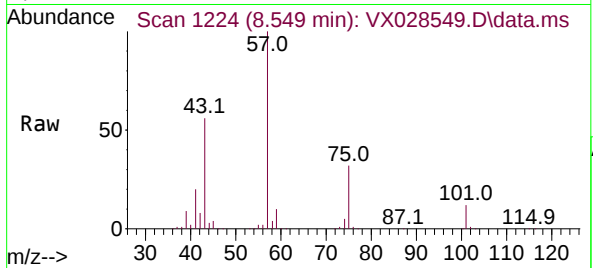




#51
4-Methyl-2-Pentanone
Concen: 16.386 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

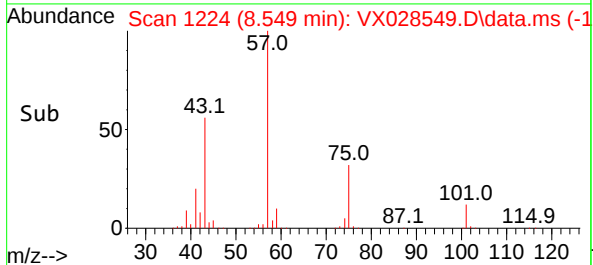
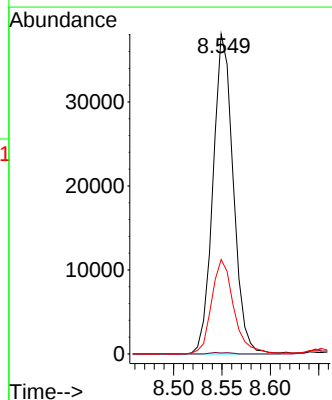
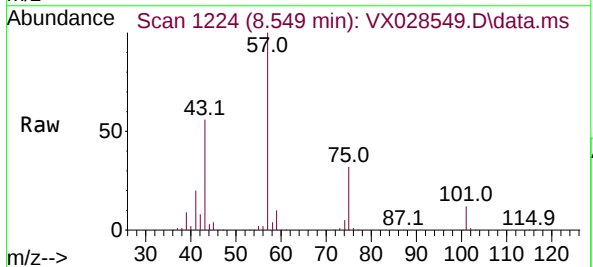
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

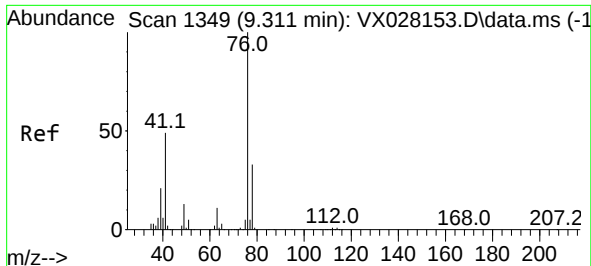
Tgt Ion: 43 Resp: 103645
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.543 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 75 Resp: 55504
Ion Ratio Lower Upper
75 100
77 0.3 24.8 37.2#
39 29.5 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.708 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Instrument :

MSVOA_X

ClientSampleId :

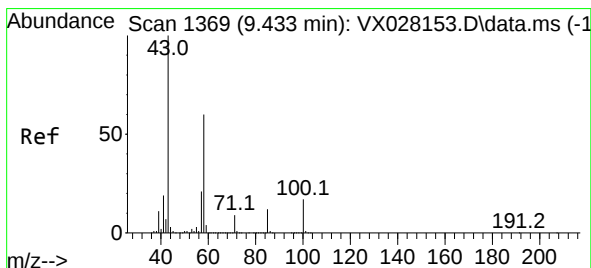
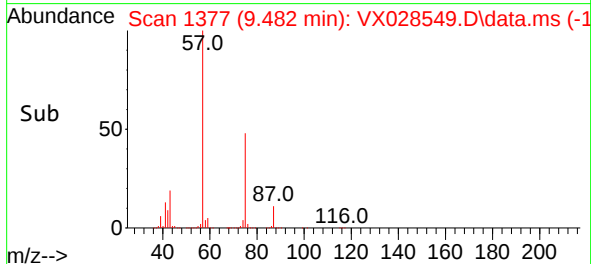
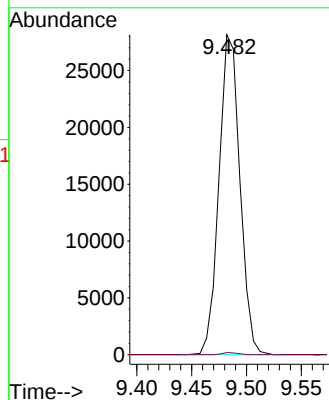
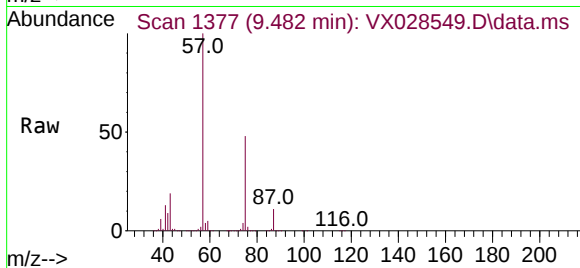
PB144610ZHE#06

Tgt Ion: 76 Resp: 37477

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 84.986 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028549.D

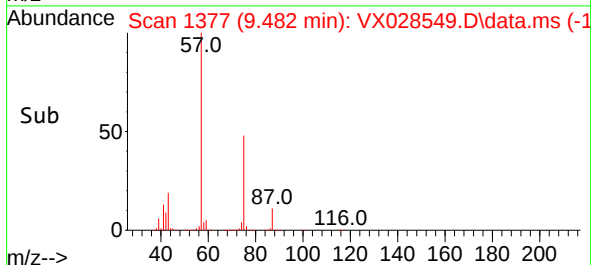
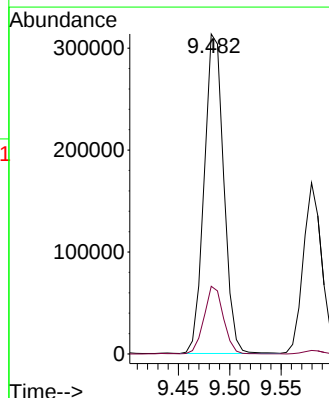
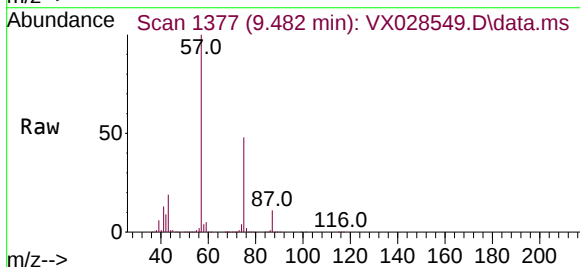
Acq: 06 May 2022 14:59

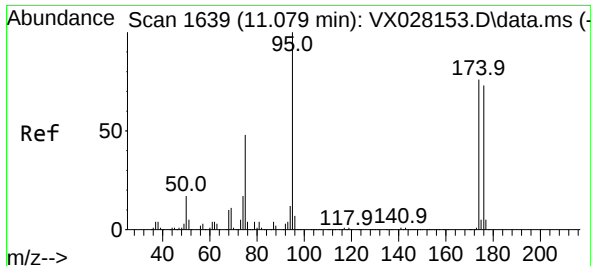
Tgt Ion: 43 Resp: 416411

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#

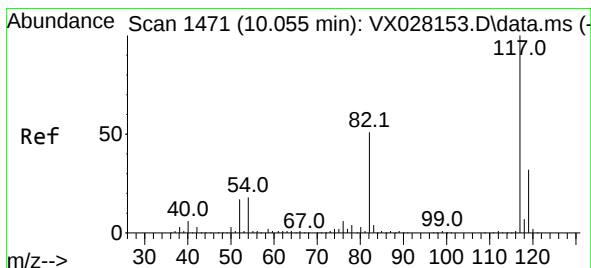
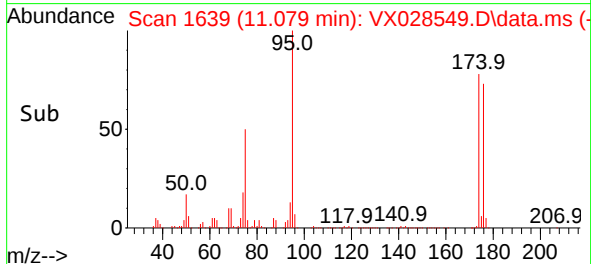
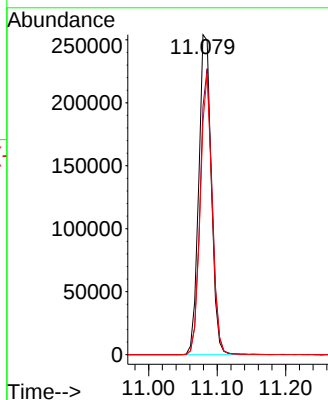
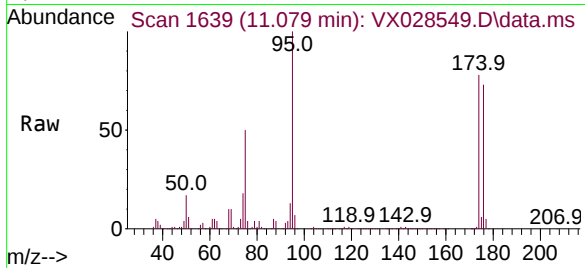




#62
4-Bromofluorobenzene
Concen: 48.332 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

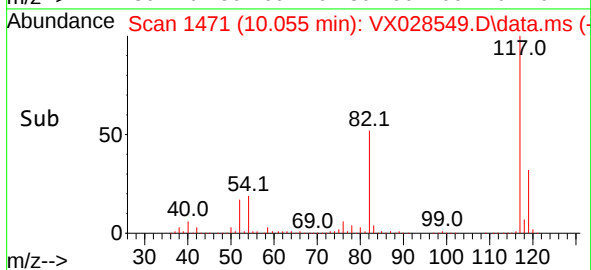
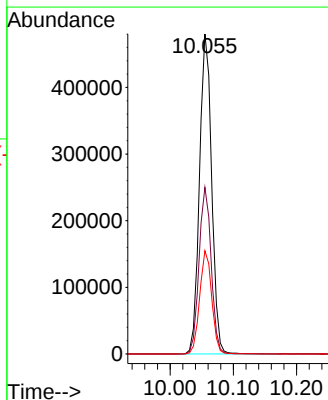
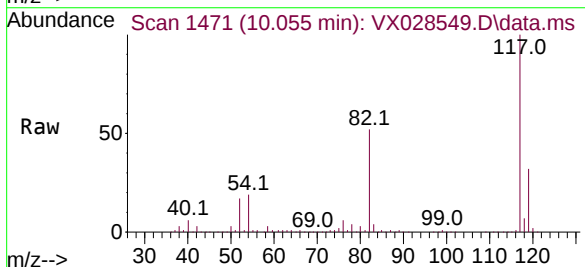
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

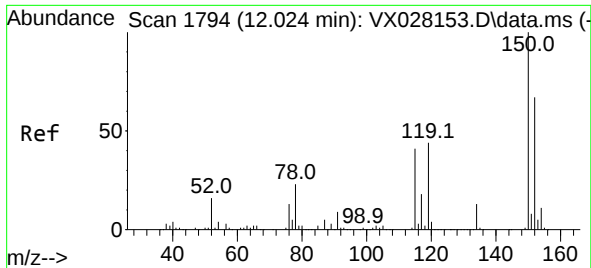
Tgt Ion: 95 Resp: 324794
Ion Ratio Lower Upper
95 100
174 85.8 0.0 163.0
176 82.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 117 Resp: 643390
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.2 24.8 37.2

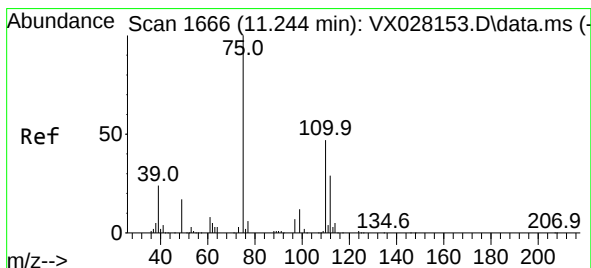
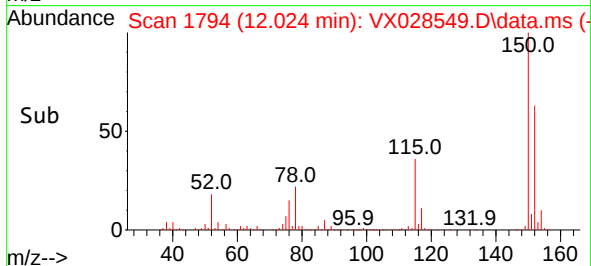
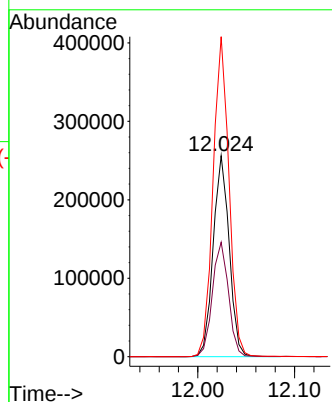
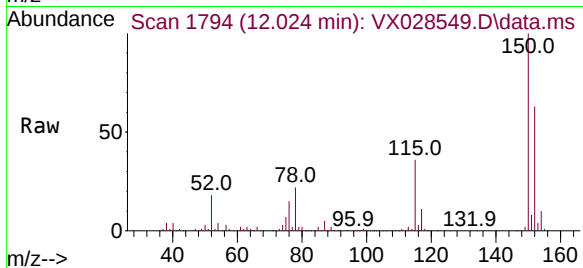




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

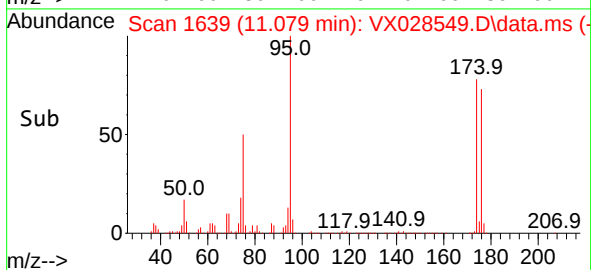
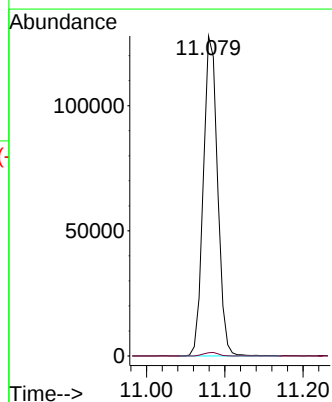
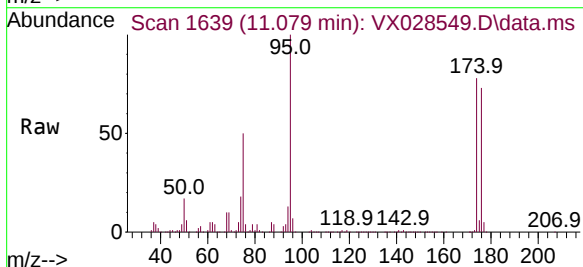
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#06

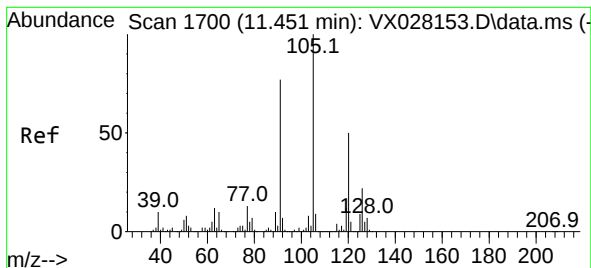
Tgt Ion:152 Resp: 294035
Ion Ratio Lower Upper
152 100
115 57.6 37.5 112.7
150 158.7 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028549.D
Acq: 06 May 2022 14:59

Tgt Ion: 75 Resp: 161542
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.282 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Instrument :

MSVOA_X

ClientSampleId :

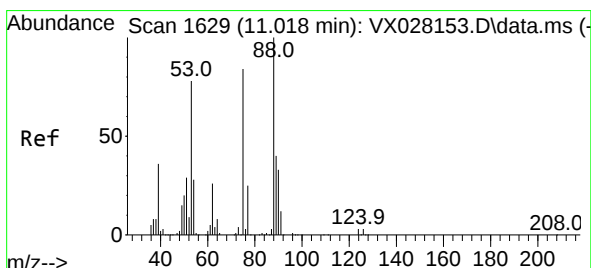
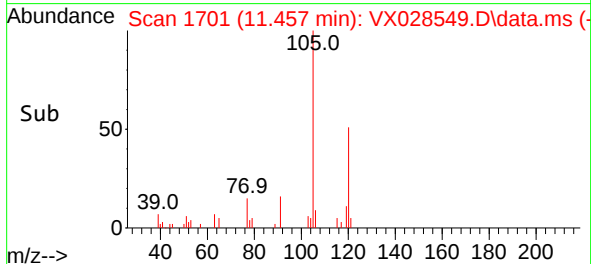
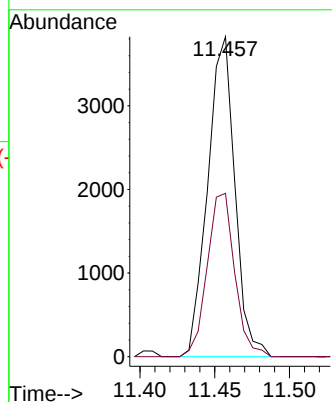
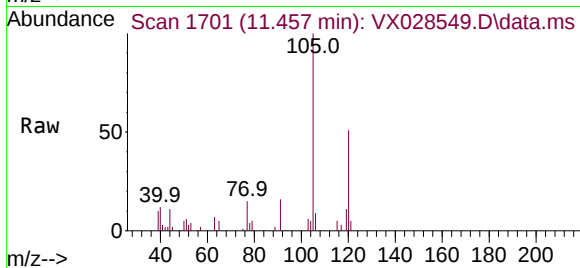
PB144610ZHE#06

Tgt Ion:105 Resp: 4839

Ion Ratio Lower Upper

105 100

120 51.7 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 82.958 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028549.D

Acq: 06 May 2022 14:59

Tgt Ion: 75 Resp: 161542

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

