

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
 Data File : VX028357.D
 Acq On : 26 Apr 2022 18:09
 Operator : JC/MD
 Sample : PB144365ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365ZHE#02

Quant Time: Apr 27 02:07:09 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)

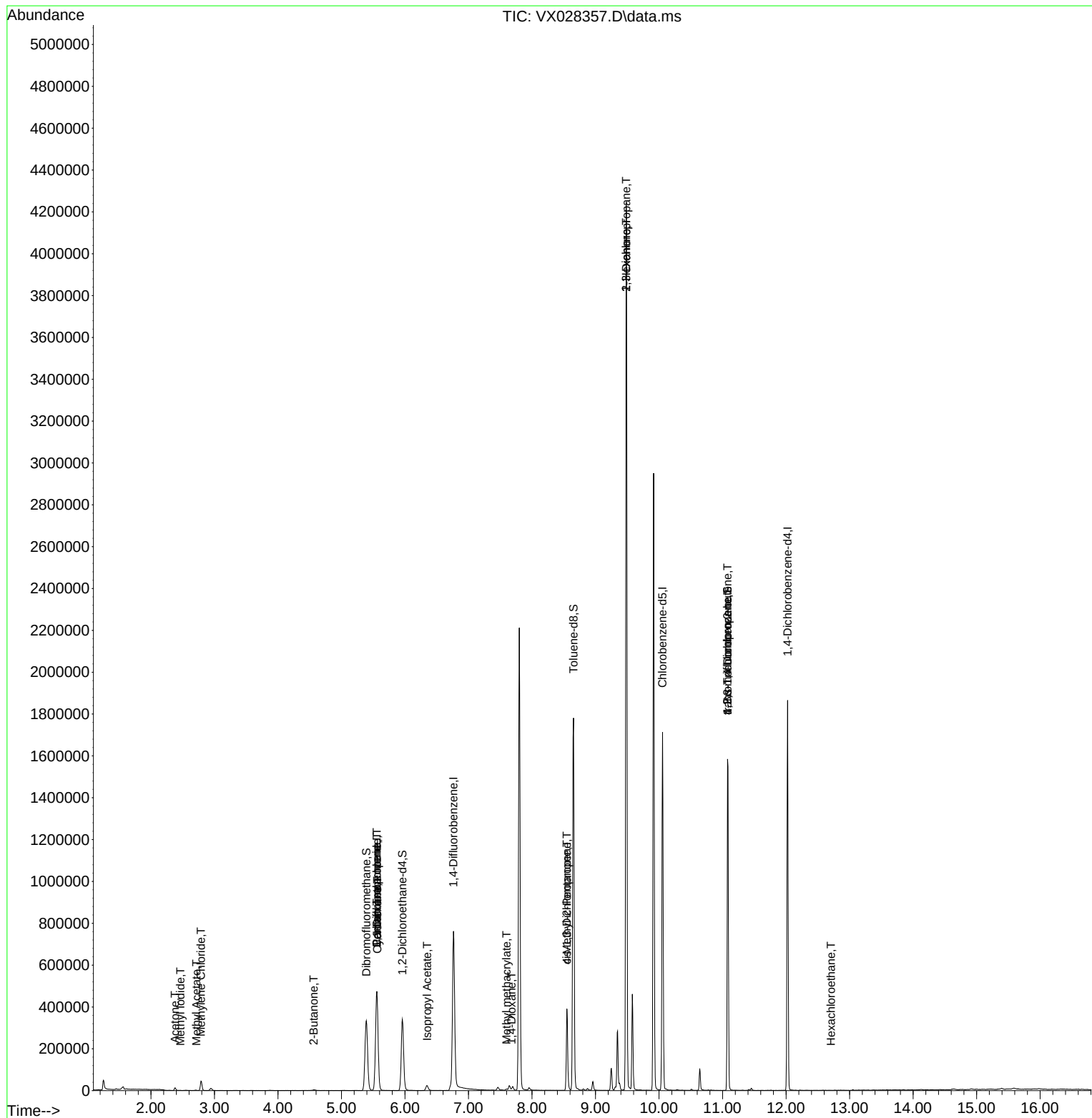
Internal Standards						
1) Pentafluorobenzene	5.556	168	465619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	796469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	794069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	390607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	318595	52.477	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.960%			
35) Dibromofluoromethane	5.391	113	294556	52.735	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.480%			
50) Toluene-d8	8.653	98	1106752	51.589	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	417345	50.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.760%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	593	Below Cal		95
5) Bromomethane	1.617	94	1127	Below Cal		98
6) Chloroethane	1.691	64	212	Below Cal	#	61
8) Diethyl Ether	2.075	74	21	Below Cal	#	1
10) Methyl Iodide	2.465	142	636	5.345	ug/l #	83
11) Tert butyl alcohol	2.940	59	5867	Below Cal	#	73
16) Acetone	2.380	43	13057	5.677	ug/l	99
18) Methyl Acetate	2.715	43	2311	0.428	ug/l	96
20) Methylene Chloride	2.788	84	21711	4.820	ug/l	95
25) 2-Butanone	4.562	43	2742	0.763	ug/l	92
31) Cyclohexane	5.562	56	8698	1.176	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	33098	4.543	ug/l #	50
38) Carbon Tetrachloride	5.556	117	45623	5.547	ug/l #	15
43) Isopropyl Acetate	6.348	43	33019	2.744	ug/l	96
48) Methyl methacrylate	7.598	41	8405	1.522	ug/l #	7
49) 1,4-Dioxane	7.677	88	49	0.332	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	123062	15.939	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	67749	7.542	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	41688	4.290	ug/l #	43
59) 2-Hexanone	9.482	43	467666	78.194	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	204231	26.567	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	204231	78.950	ug/l #	15
90) Hexachloroethane	12.707	117	87	1.833	ug/l #	10

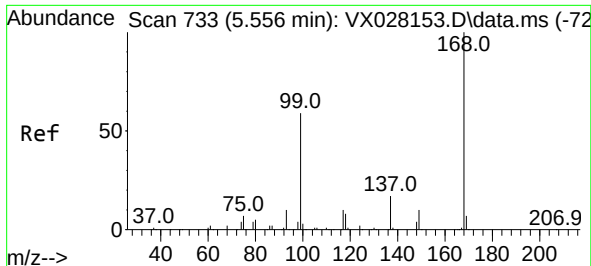
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042622\
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Quant Time: Apr 27 02:07:09 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

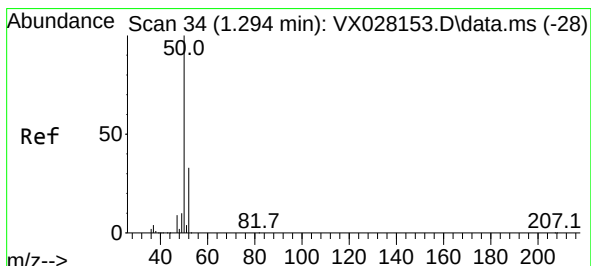
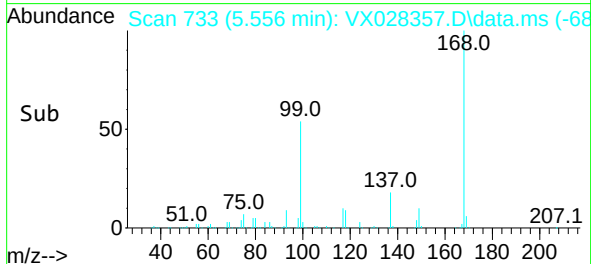
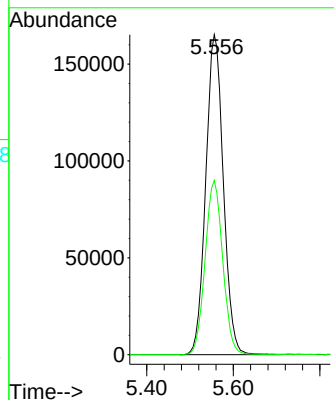
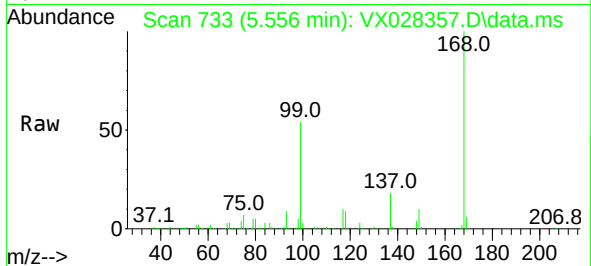




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

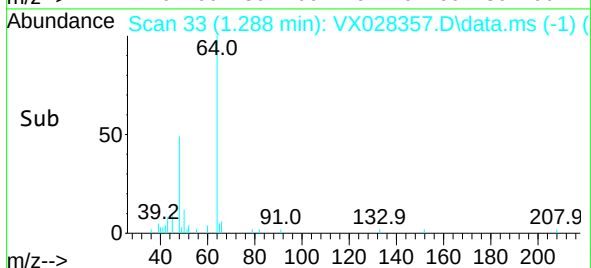
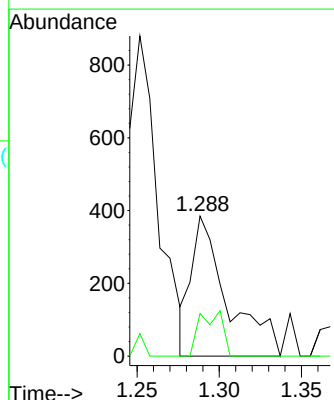
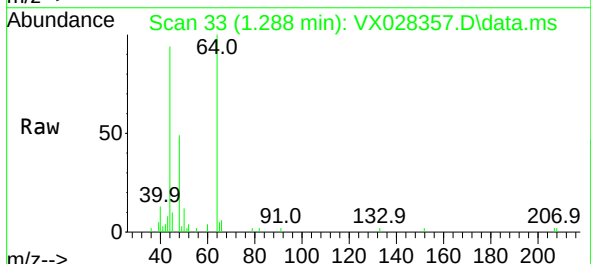
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

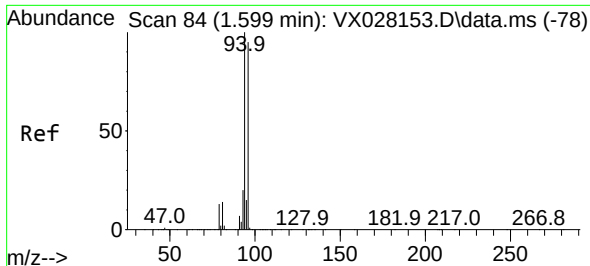
Tgt Ion:168 Resp: 465619
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 30.4 26.4 39.6

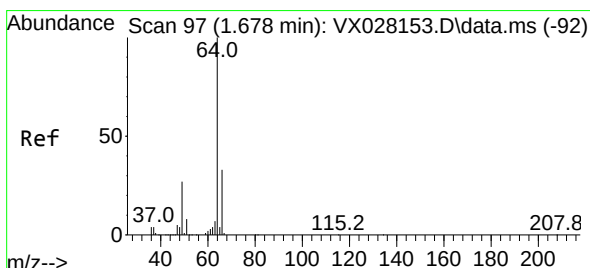
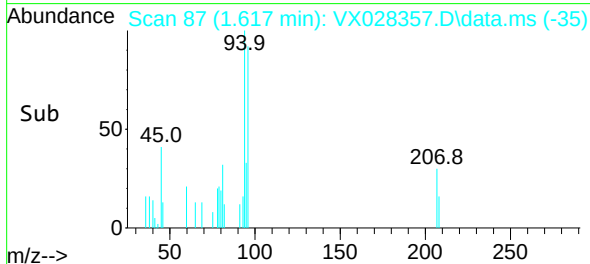
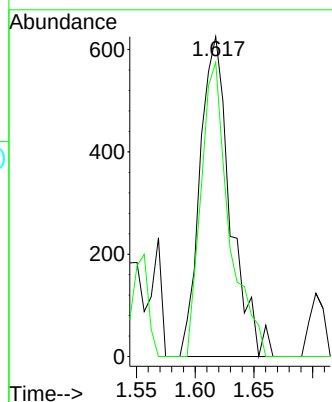
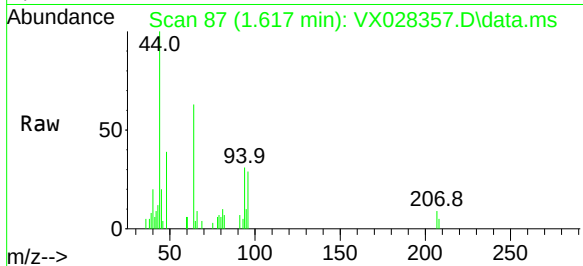




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

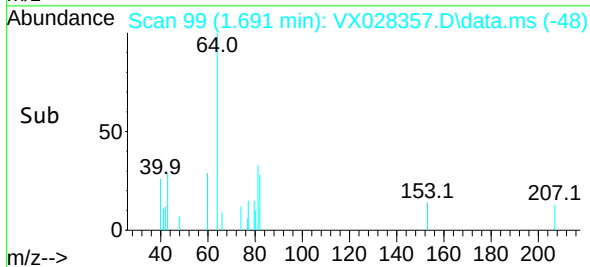
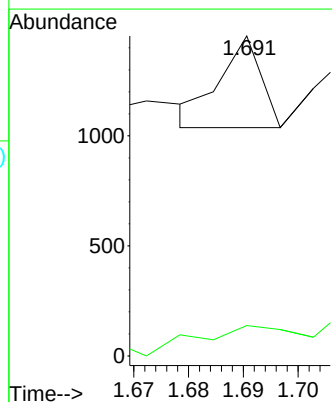
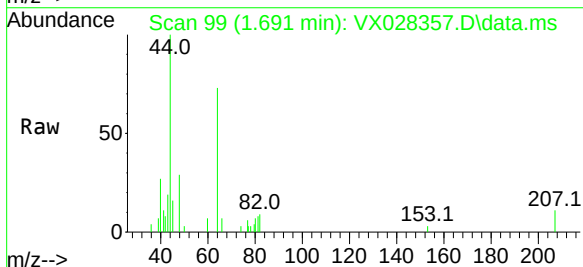
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

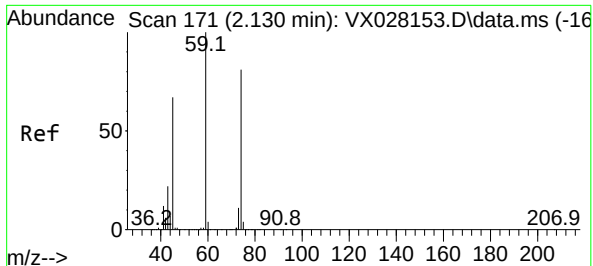
Tgt Ion: 94 Resp: 1127
Ion Ratio Lower Upper
94 100
96 92.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 64 Resp: 212
Ion Ratio Lower Upper
64 100
66 10.1 25.3 37.9#

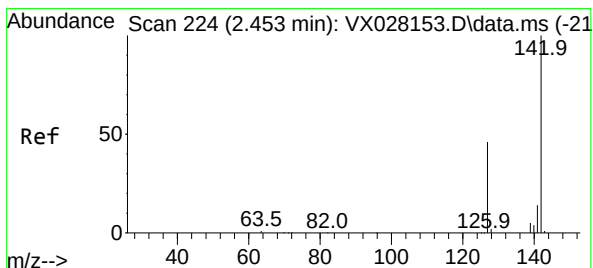
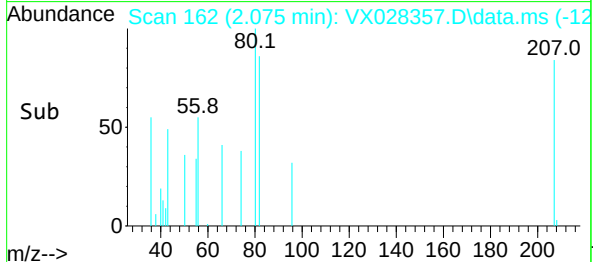
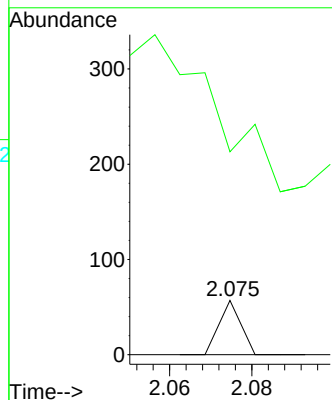
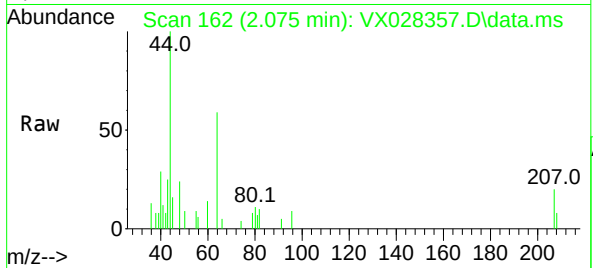




#8
Diethyl Ether
Concen: Below Cal
RT: 2.075 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

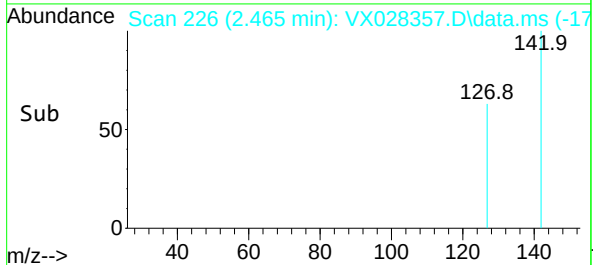
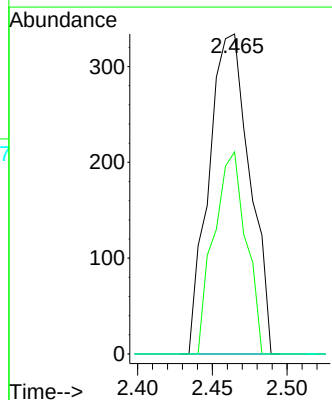
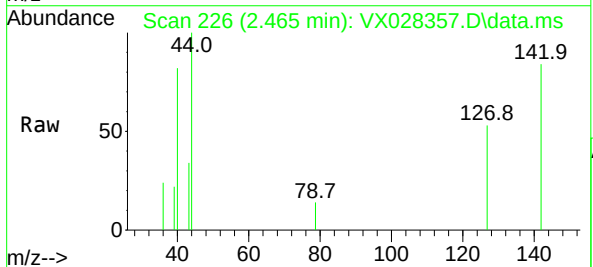
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

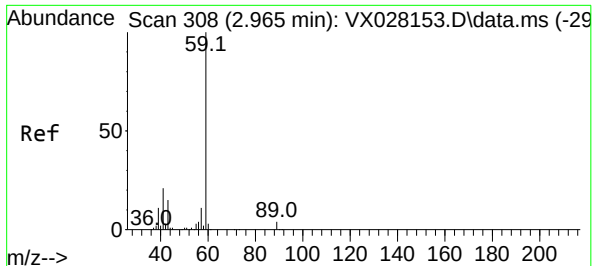
Tgt Ion: 74 Resp: 21
Ion Ratio Lower Upper
74 100
45 1219.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.345 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 142 Resp: 636
Ion Ratio Lower Upper
142 100
127 49.5 33.9 50.9
141 0.0 11.4 17.2#

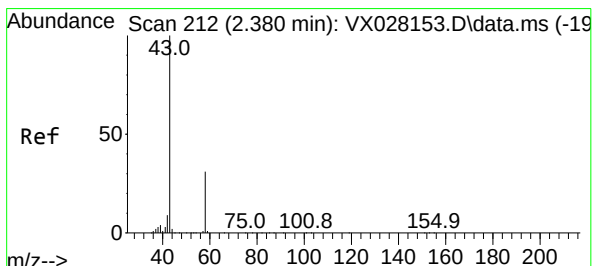
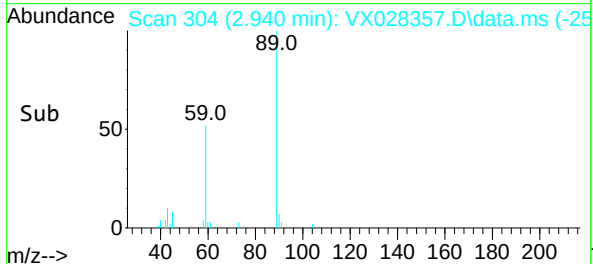
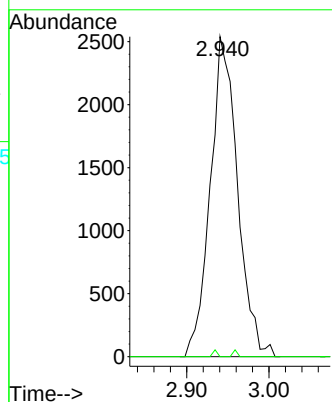
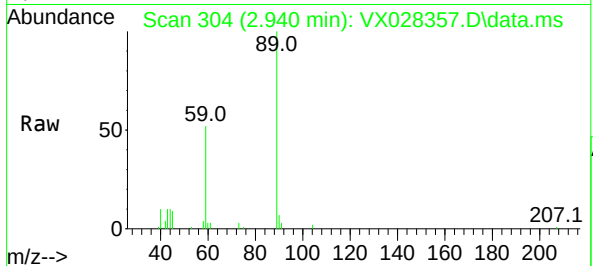




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

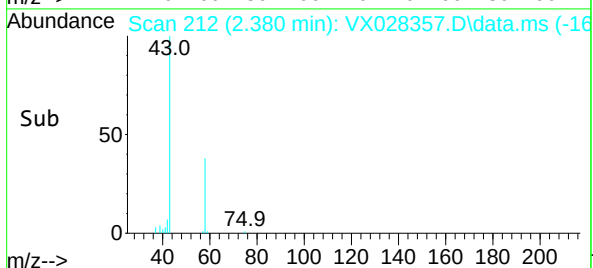
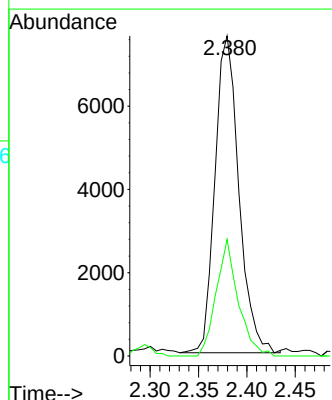
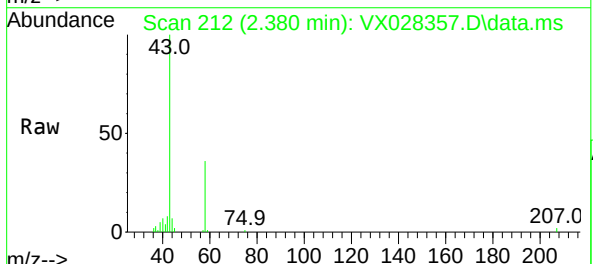
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

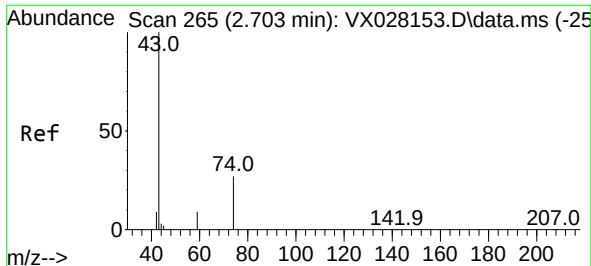
Tgt Ion: 59 Resp: 5867
Ion Ratio Lower Upper
59 100
57 0.3 8.3 12.5#



#16
Acetone
Concen: 5.677 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 43 Resp: 13057
Ion Ratio Lower Upper
43 100
58 36.8 28.8 43.2

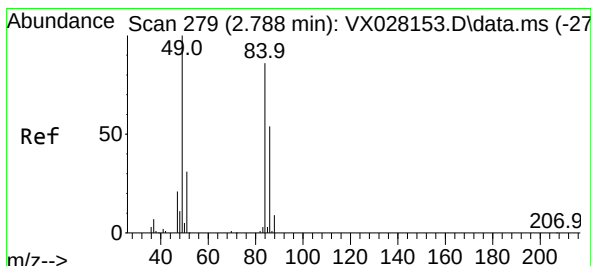
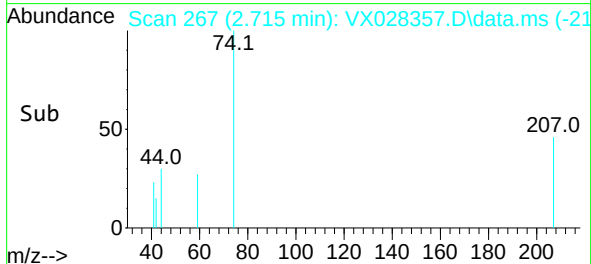
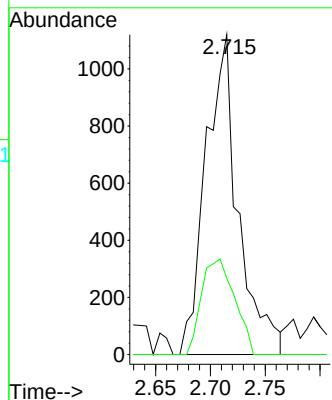
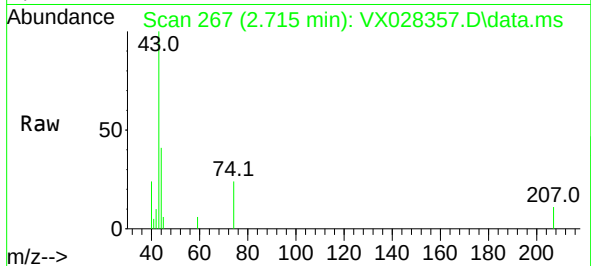




#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

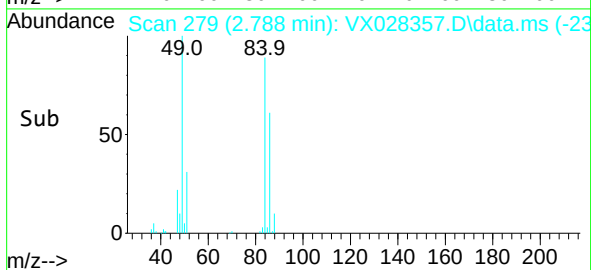
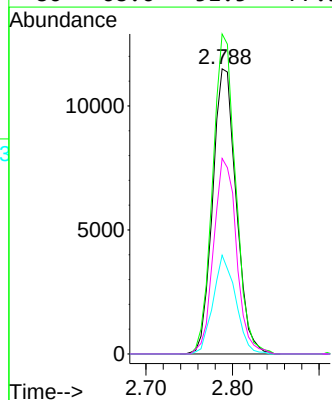
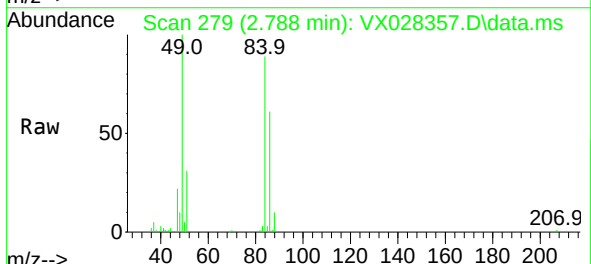
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

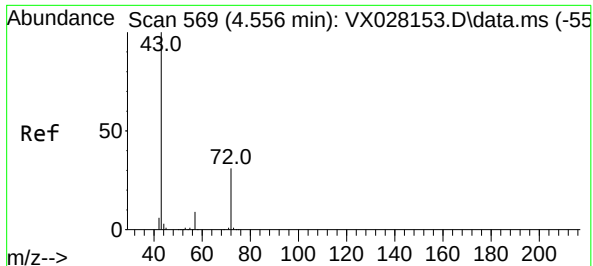
Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
74 30.5 22.8 34.2



#20
Methylene Chloride
Concen: 4.820 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 84 Resp: 21711
Ion Ratio Lower Upper
84 100
49 112.2 85.5 128.3
51 34.6 26.6 39.8
86 68.6 51.5 77.3





#25

2-Butanone

Concen: 0.763 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

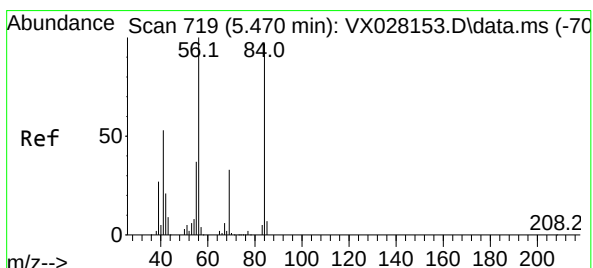
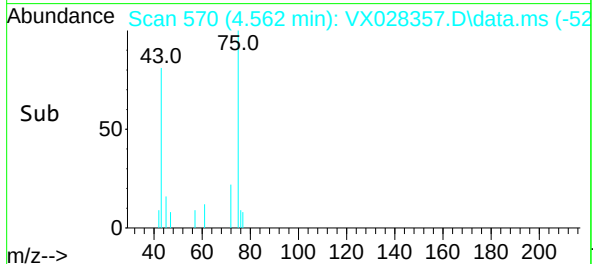
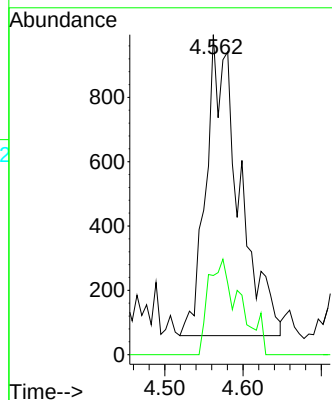
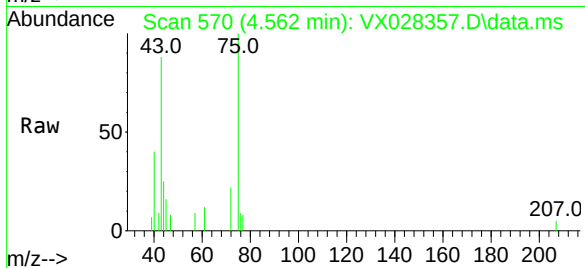
PB144365ZHE#02

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

72 26.3 24.4 36.6



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

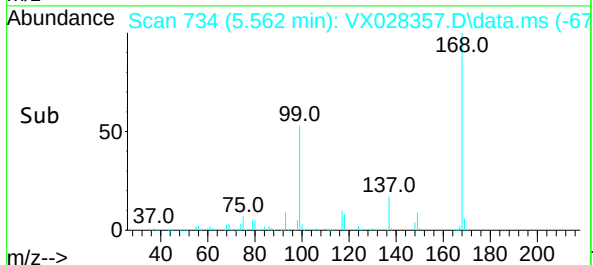
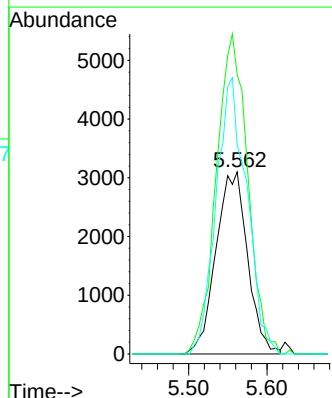
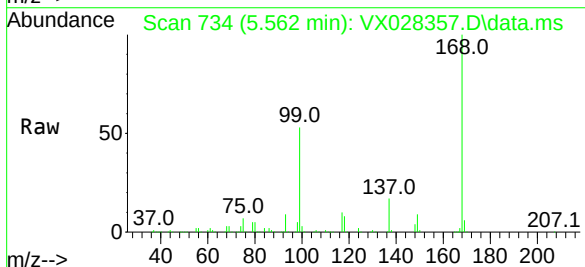
Tgt Ion: 56 Resp: 8698

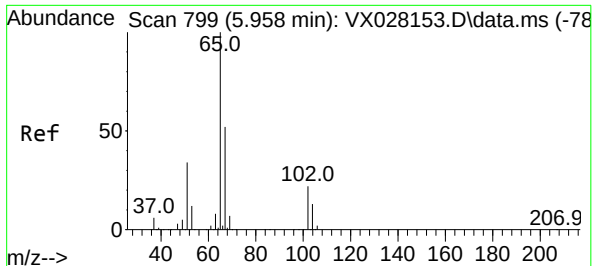
Ion Ratio Lower Upper

56 100

69 153.5 26.7 40.1#

84 114.8 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 52.477 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

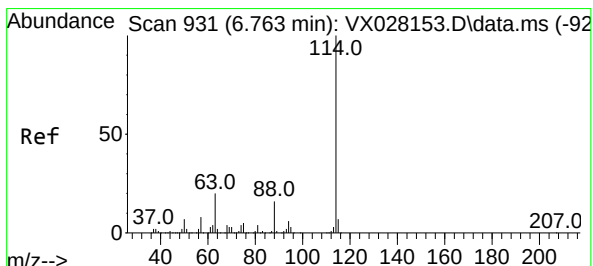
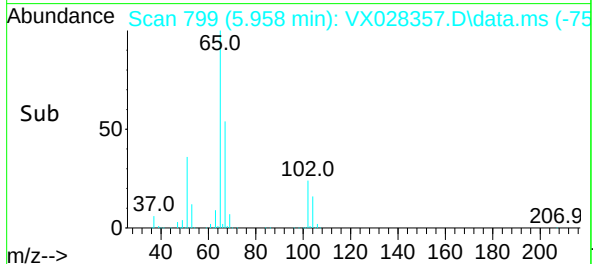
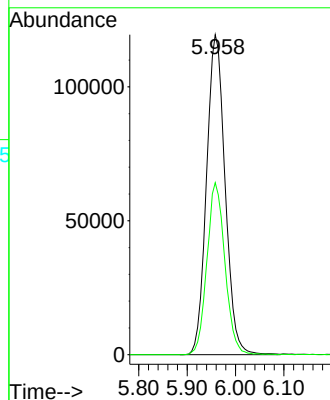
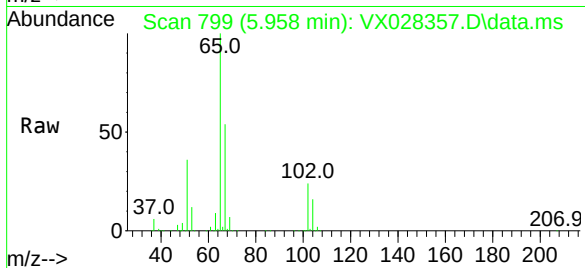
PB144365ZHE#02

Tgt Ion: 65 Resp: 318595

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

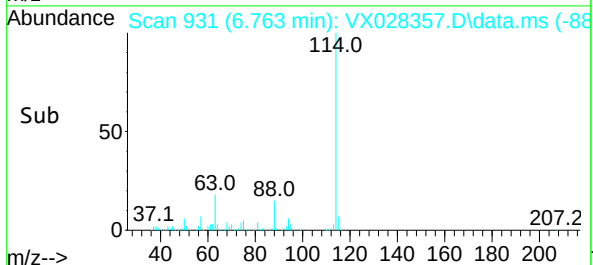
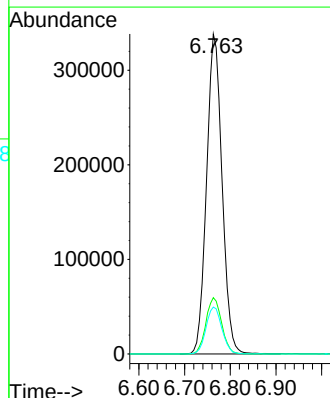
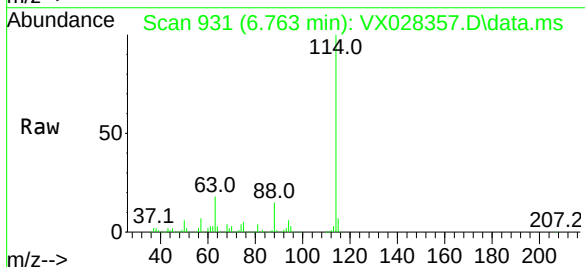
Tgt Ion: 114 Resp: 796469

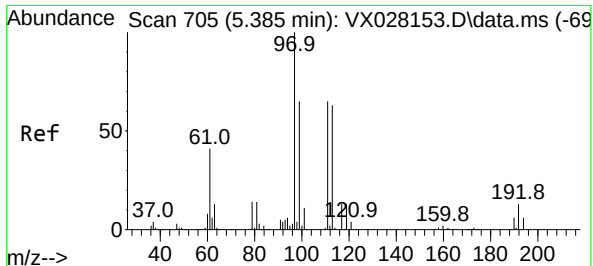
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 14.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.735 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

PB144365ZHE#02

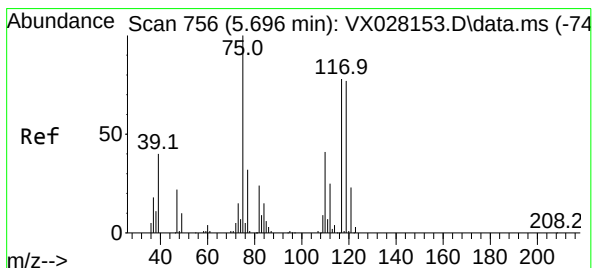
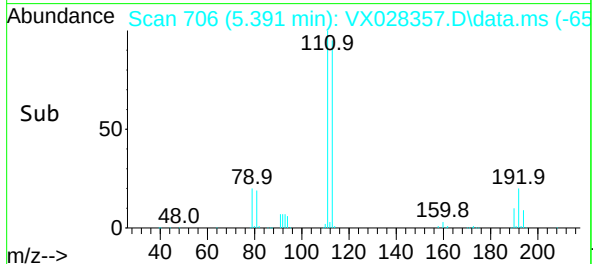
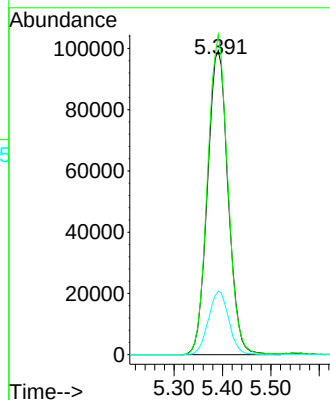
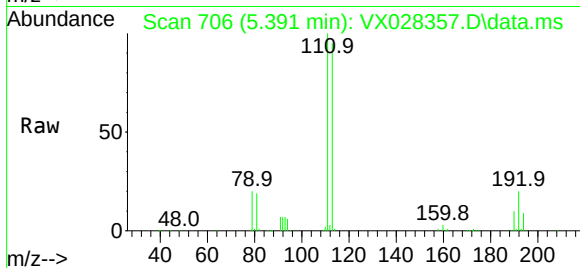
Tgt Ion:113 Resp: 294556

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 20.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.543 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

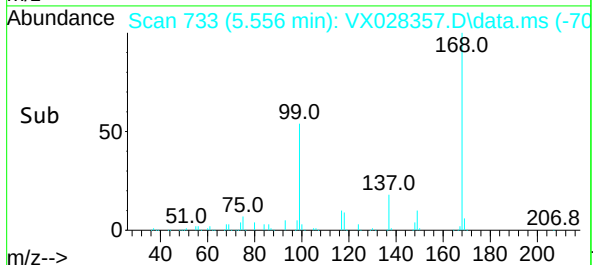
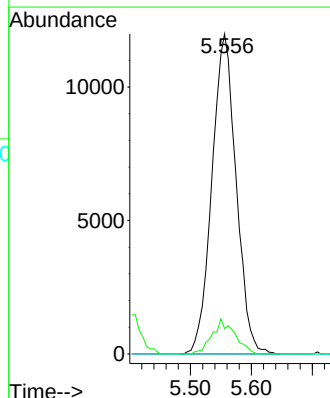
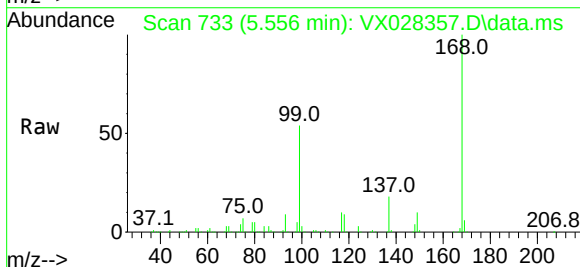
Tgt Ion: 75 Resp: 33098

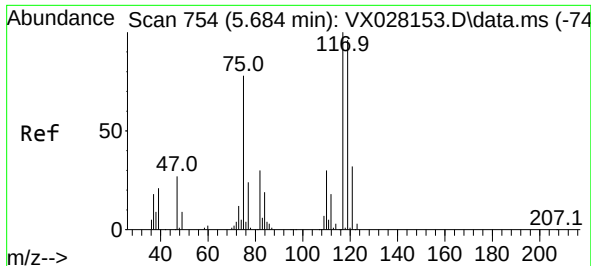
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

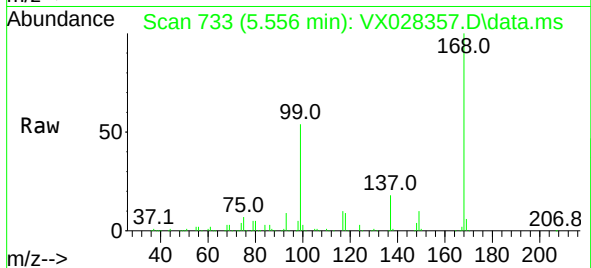
77 0.0 24.8 37.2#



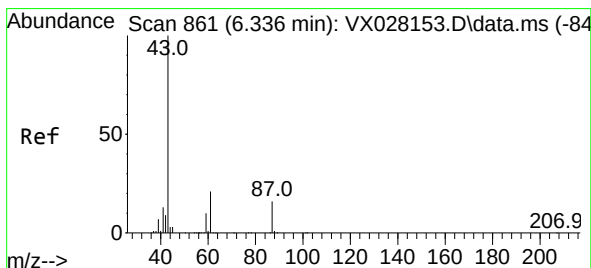
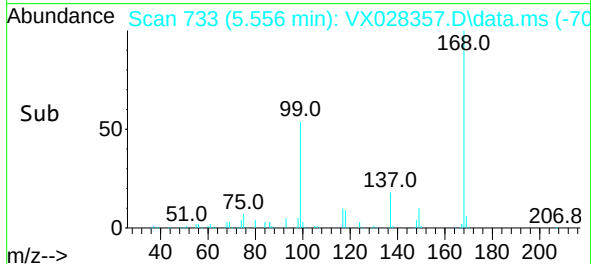
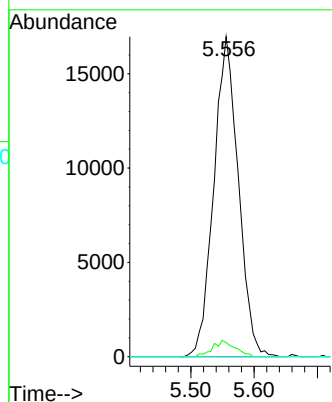


#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

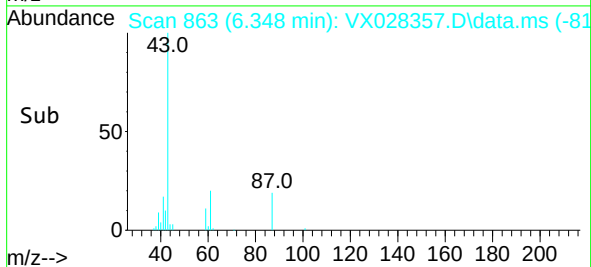
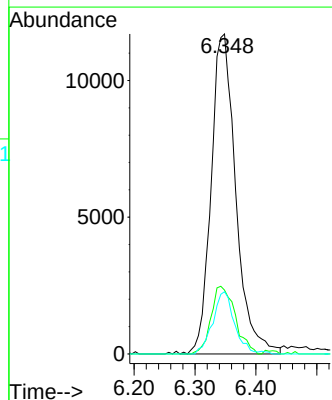
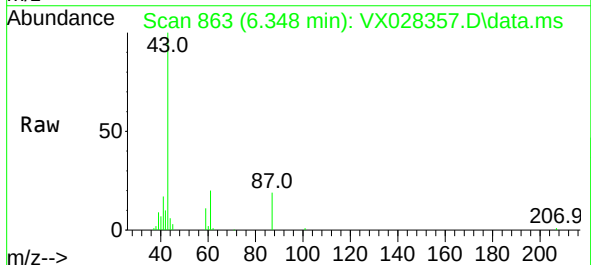


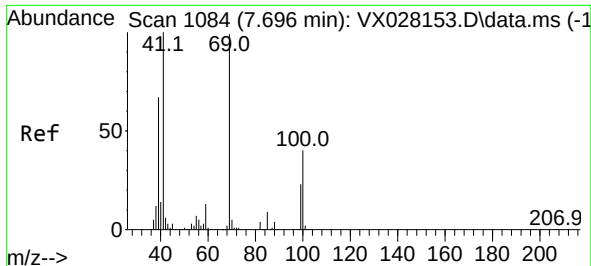
Tgt Ion:117 Resp: 45623
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.744 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 43 Resp: 33019
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 17.0 13.0 19.6

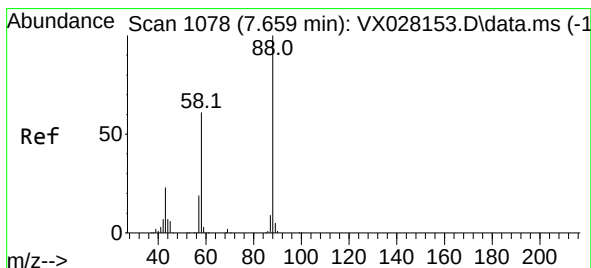
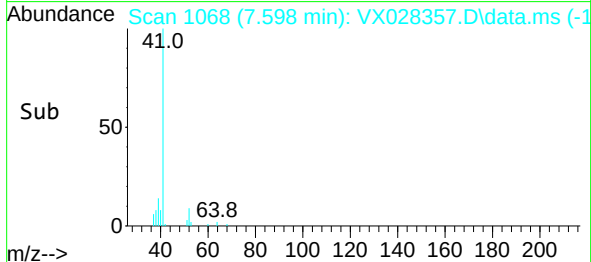
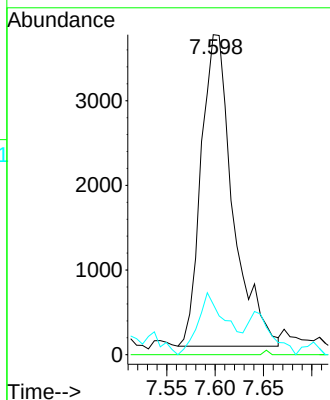
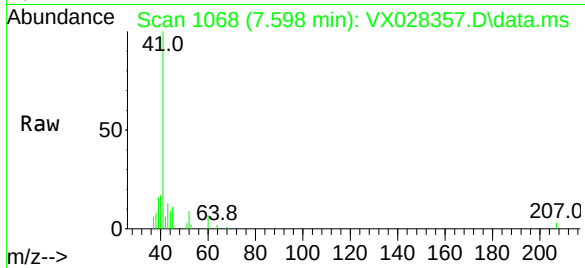




#48
Methyl methacrylate
Concen: 1.522 ug/l
RT: 7.598 min Scan# 1084
Delta R.T. -0.098 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

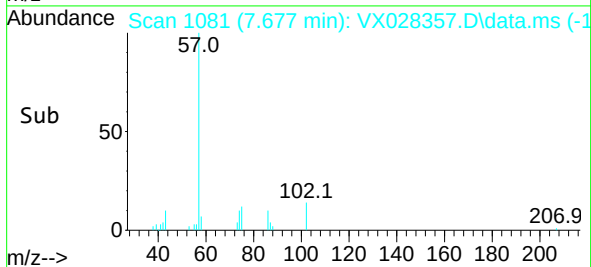
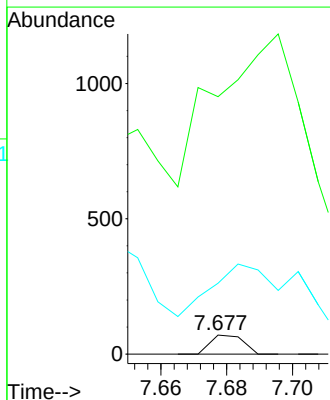
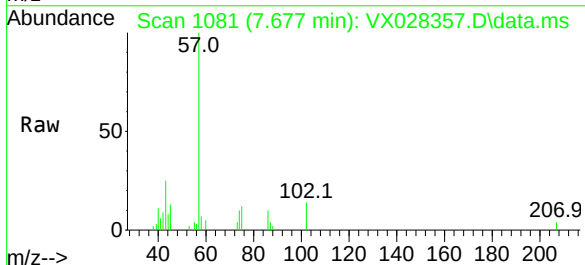
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

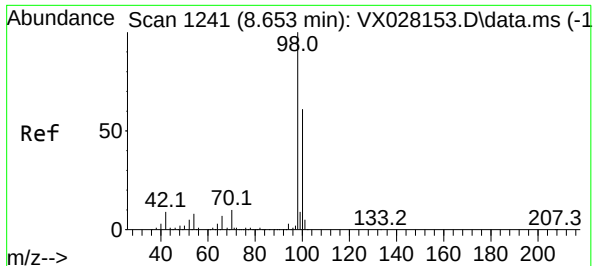
Tgt Ion: 41 Resp: 8405
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 1428.6 53.7 80.5#

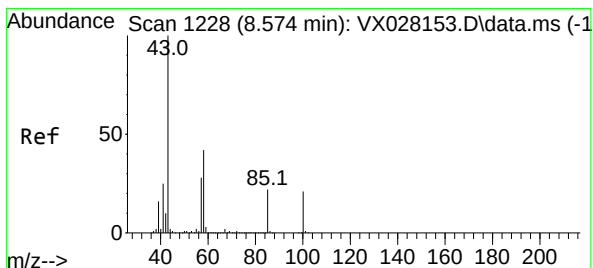
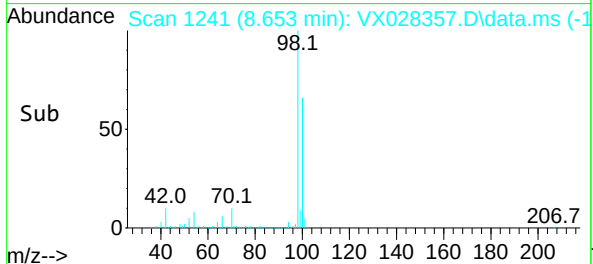
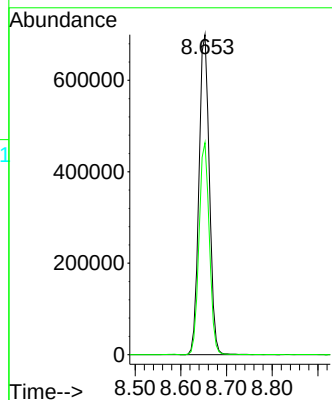
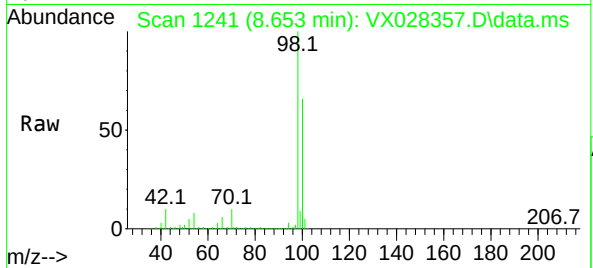




#50
Toluene-d8
Concen: 51.589 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

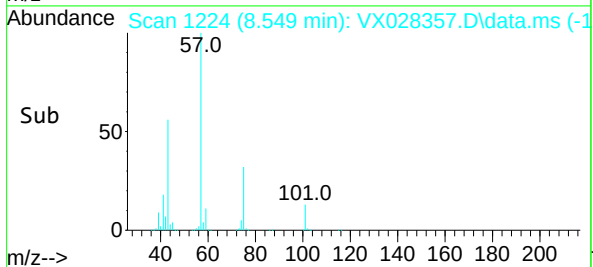
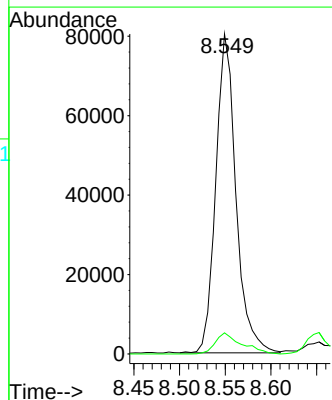
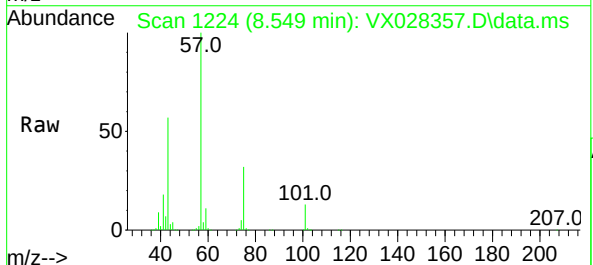
Instrument :
MSVOA_X
ClientSampleId :
PB144365ZHE#02

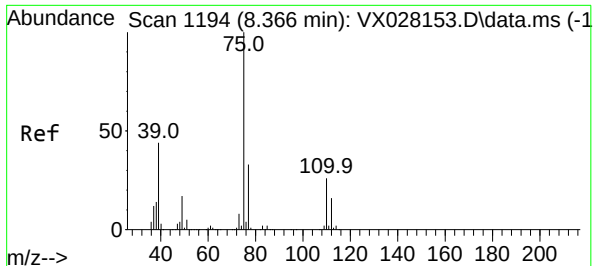
Tgt Ion: 98 Resp: 1106752
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.939 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028357.D
Acq: 26 Apr 2022 18:09

Tgt Ion: 43 Resp: 123062
Ion Ratio Lower Upper
43 100
58 8.7 36.1 54.1#

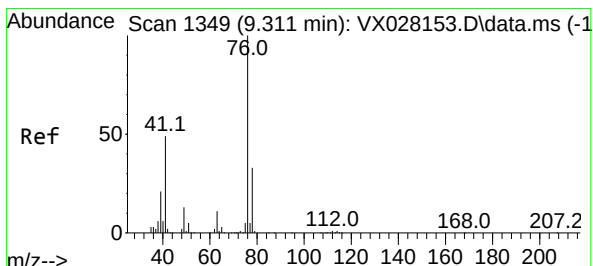
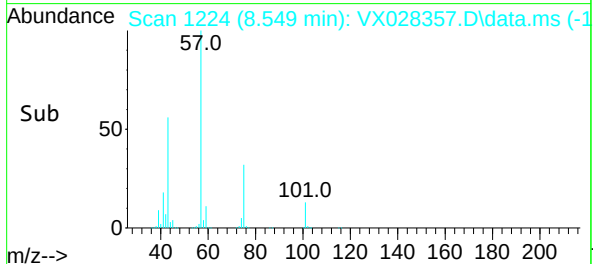
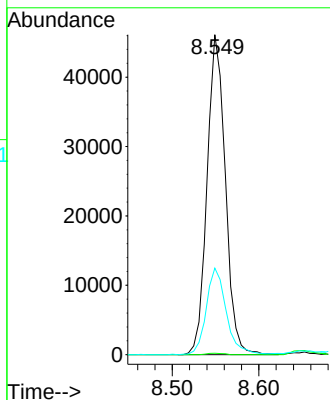
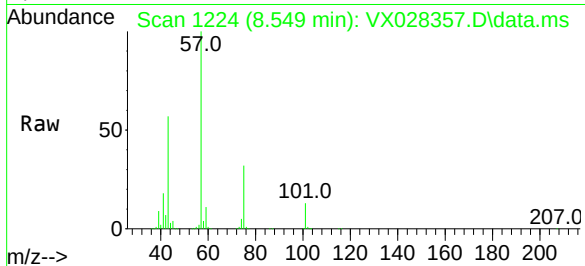




#54
 cis-1,3-Dichloropropene
 Concen: 7.542 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028357.D
 Acq: 26 Apr 2022 18:09

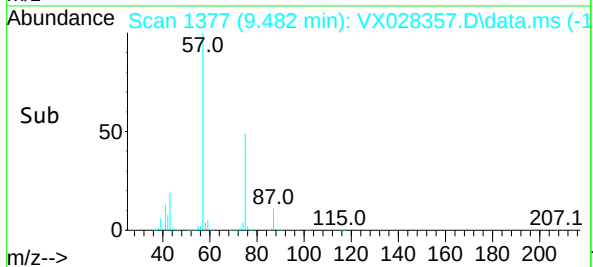
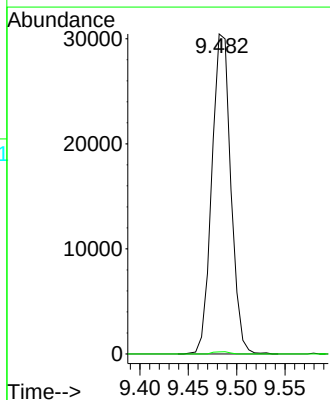
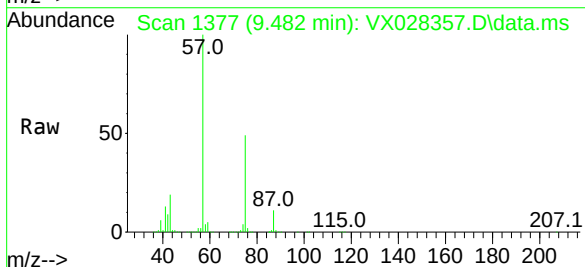
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365ZHE#02

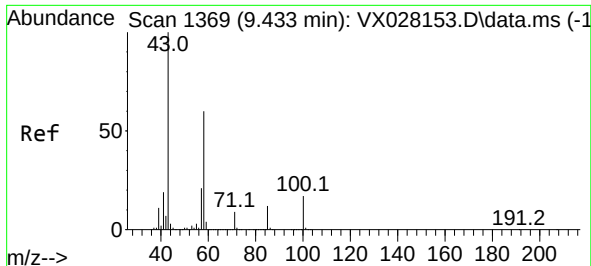
Tgt Ion: 75 Resp: 67749
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 27.1 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.290 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028357.D
 Acq: 26 Apr 2022 18:09

Tgt Ion: 76 Resp: 41688
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 78.194 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

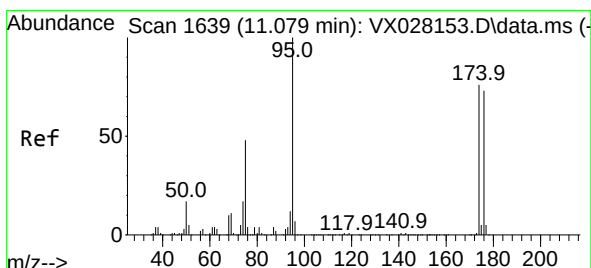
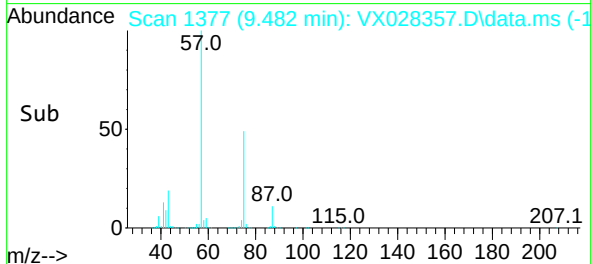
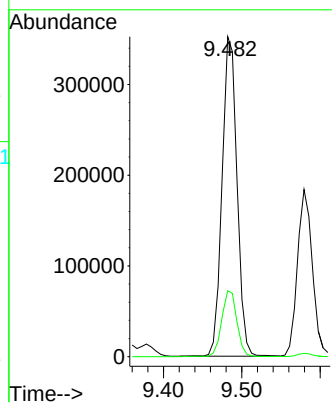
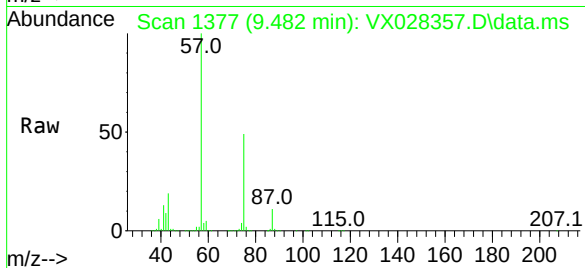
PB144365ZHE#02

Tgt Ion: 43 Resp: 467666

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.879 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

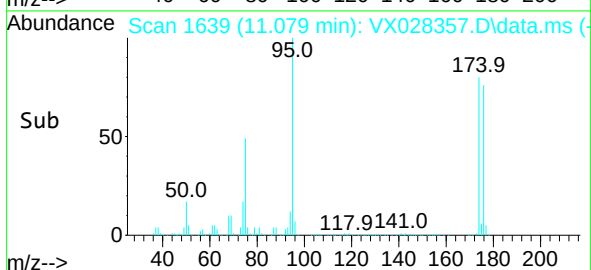
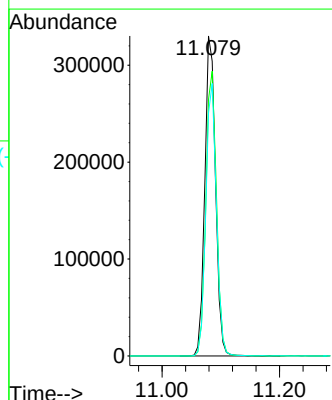
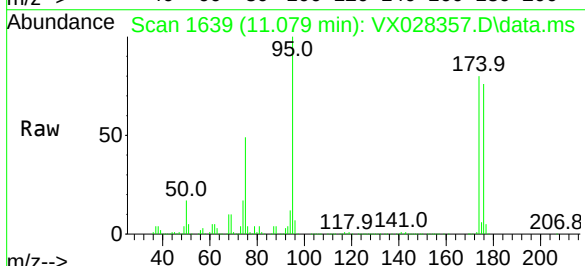
Tgt Ion: 95 Resp: 417345

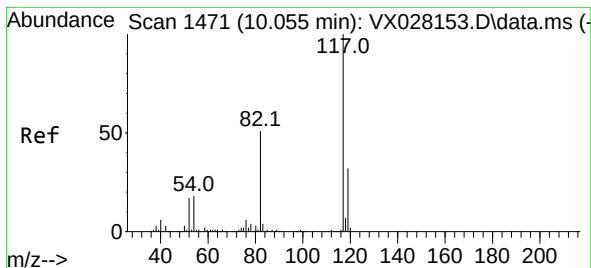
Ion Ratio Lower Upper

95 100

174 88.7 0.0 163.0

176 84.8 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: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

PB144365ZHE#02

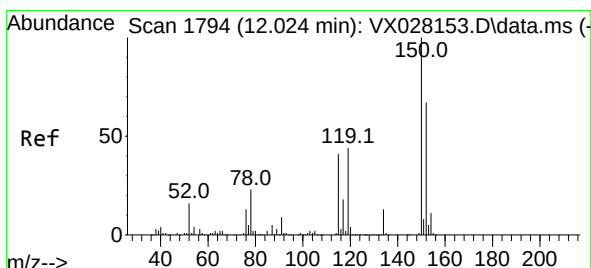
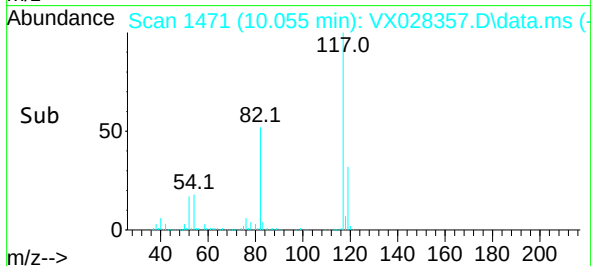
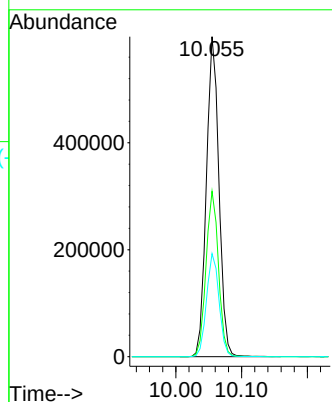
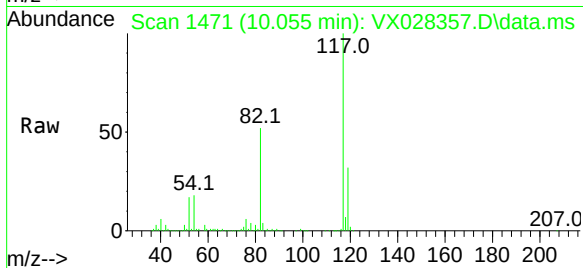
Tgt Ion:117 Resp: 794069

Ion Ratio Lower Upper

117 100

82 51.7 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# 1794

Delta R.T. 0.000 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

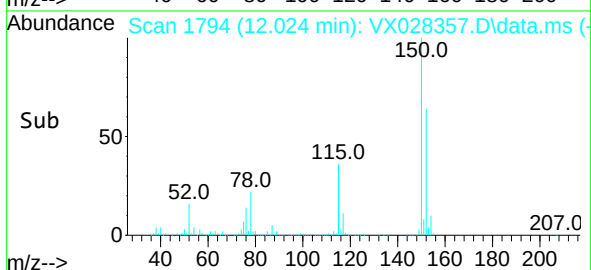
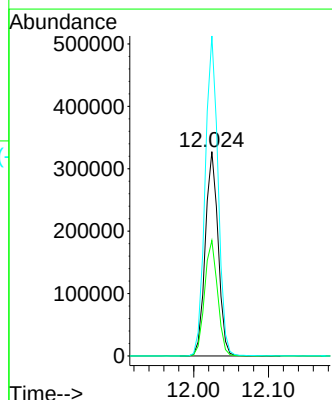
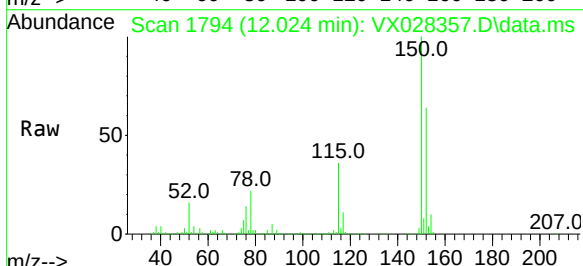
Tgt Ion:152 Resp: 390607

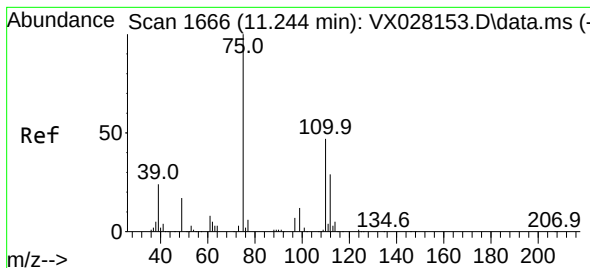
Ion Ratio Lower Upper

152 100

115 57.0 37.5 112.7

150 157.5 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 26.567 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

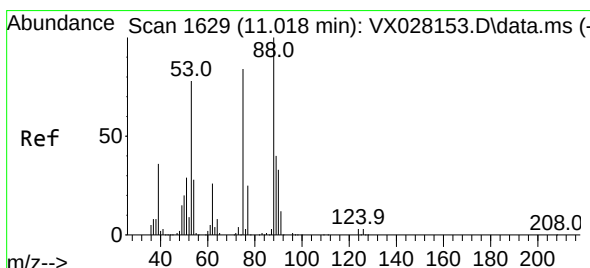
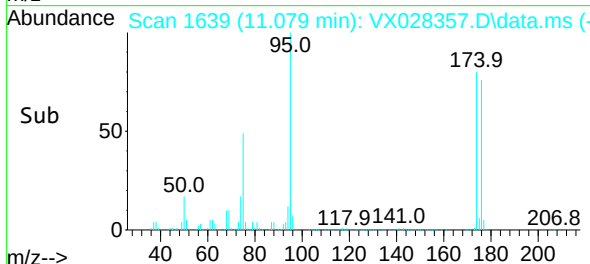
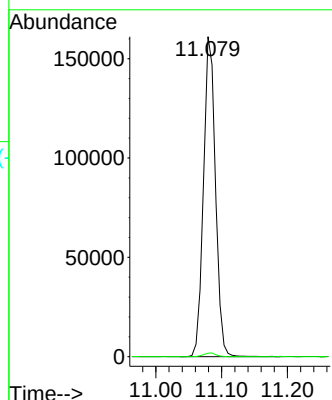
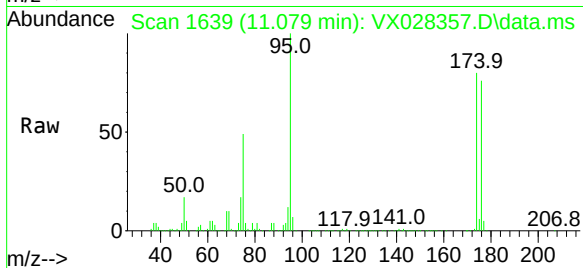
PB144365ZHE#02

Tgt Ion: 75 Resp: 204231

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.950 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028357.D

Acq: 26 Apr 2022 18:09

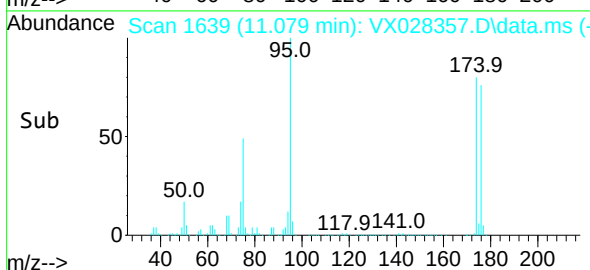
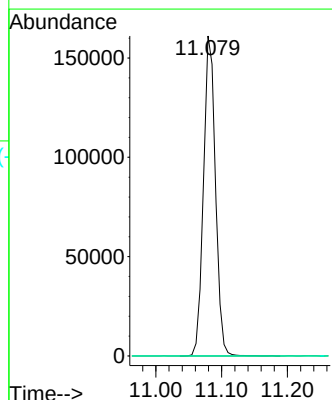
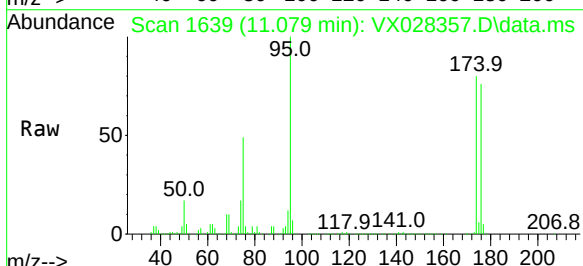
Tgt Ion: 75 Resp: 204231

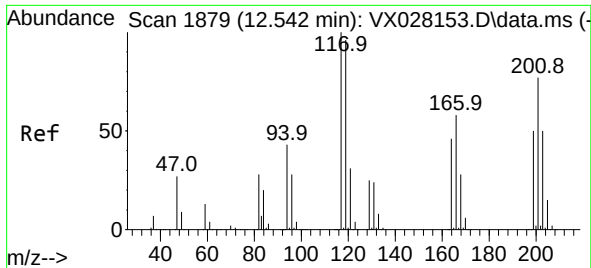
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

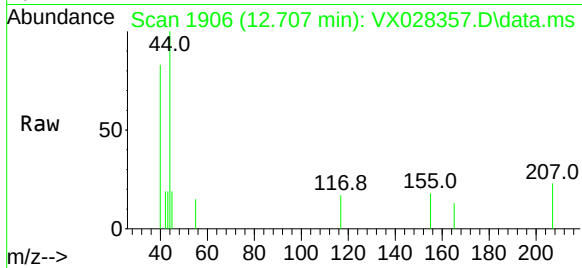
89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.833 ug/l
 RT: 12.707 min Scan# 1906
 Delta R.T. 0.165 min
 Lab File: VX028357.D
 Acq: 26 Apr 2022 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144365ZHE#02



Tgt Ion:117 Resp: 87
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

