

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028379.D
 Acq On : 27 Apr 2022 15:33
 Operator : JC/MD
 Sample : PB144390ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144390ZHE#04

Quant Time: Apr 28 04:23:14 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)

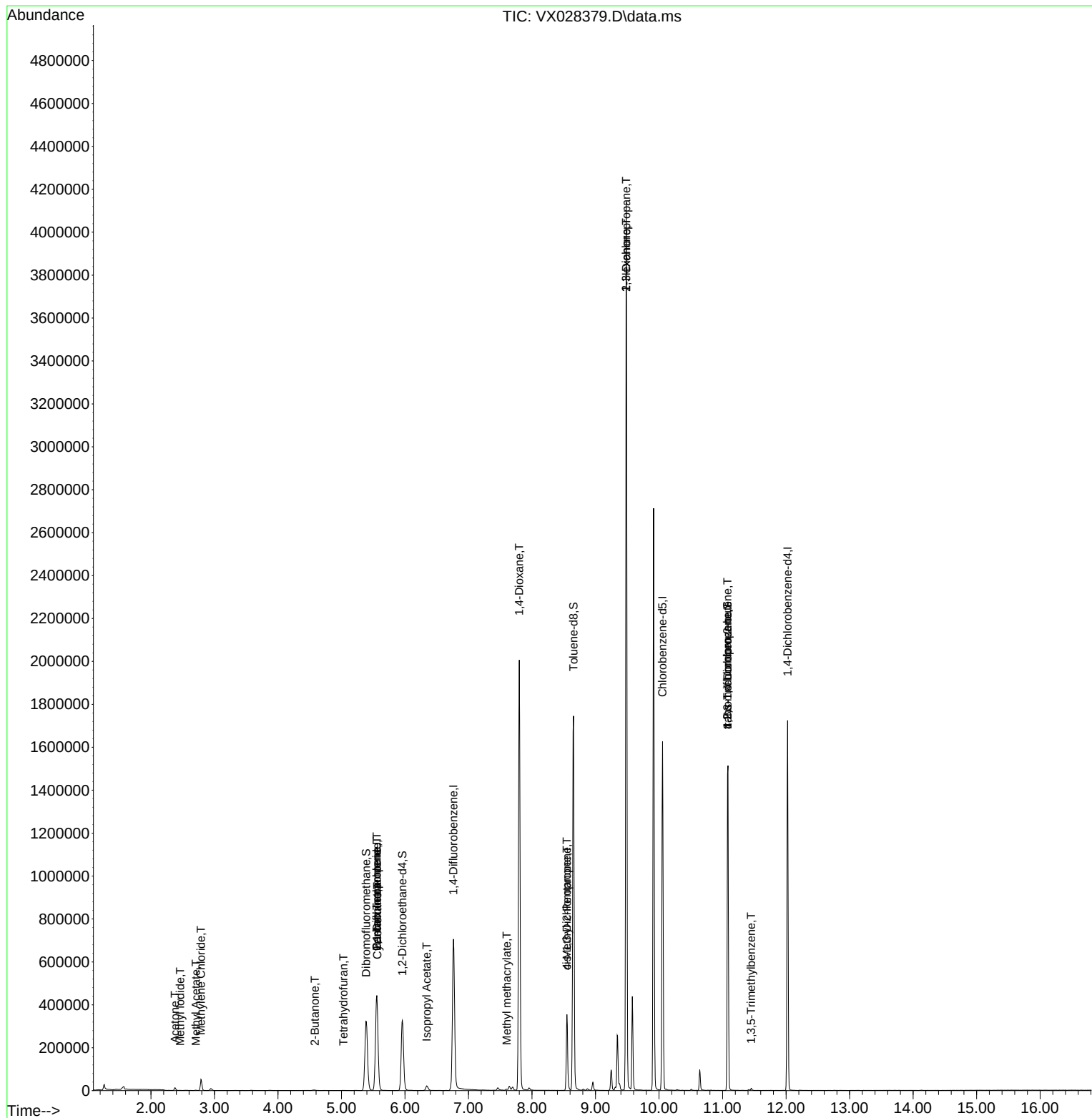
Internal Standards						
1) Pentafluorobenzene	5.556	168	435385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	749985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	752056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	367086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	312399	55.030	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.060%			
35) Dibromofluoromethane	5.385	113	283719	53.943	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.880%			
50) Toluene-d8	8.653	98	1068760	52.906	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.820%			
62) 4-Bromofluorobenzene	11.079	95	399512	51.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.440%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	505	Below Cal	#	42
5) Bromomethane	1.611	94	911	Below Cal		82
6) Chloroethane	1.703	64	896	Below Cal	#	82
10) Methyl Iodide	2.459	142	482	5.324	ug/l #	67
11) Tert butyl alcohol	2.940	59	5026	Below Cal	#	72
16) Acetone	2.379	43	14140	6.797	ug/l	96
18) Methyl Acetate	2.709	43	2366	0.469	ug/l	95
20) Methylene Chloride	2.788	84	22102	5.247	ug/l	98
25) 2-Butanone	4.580	43	2604	0.775	ug/l #	80
29) Tetrahydrofuran	5.031	42	571	0.260	ug/l #	53
31) Cyclohexane	5.562	56	8343	1.206	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	30618	4.463	ug/l #	50
38) Carbon Tetrachloride	5.556	117	42986	5.550	ug/l #	15
43) Isopropyl Acetate	6.342	43	29774	2.628	ug/l	98
48) Methyl methacrylate	7.604	41	7950	1.528	ug/l #	7
49) 1,4-Dioxane	7.799	88	451	3.241	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	111669	15.359	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	60381	7.139	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	38905	4.252	ug/l #	43
59) 2-Hexanone	9.482	43	433497	76.973	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	198605	27.491	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4289	0.200	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	198605	81.695	ug/l #	15

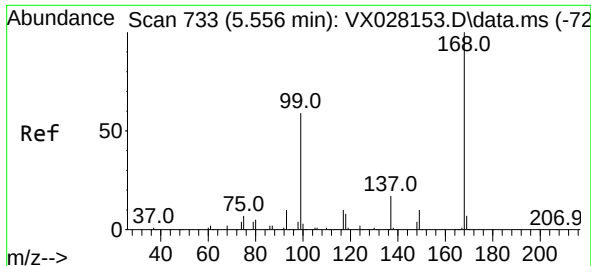
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Apr 28 04:23:14 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

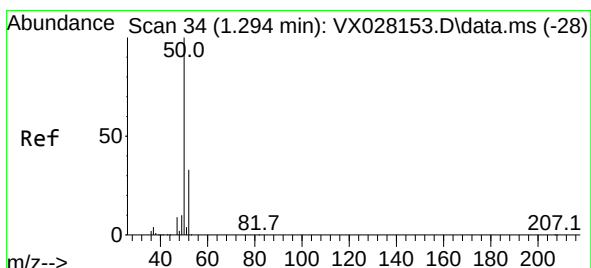
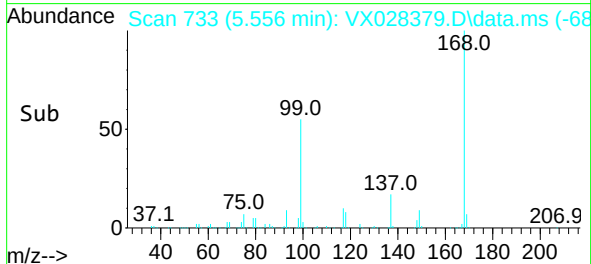
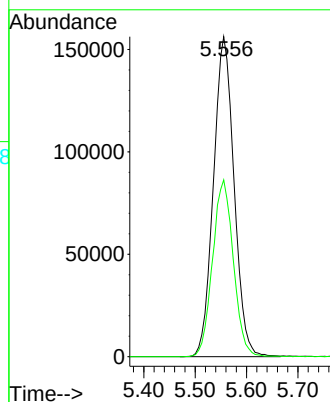
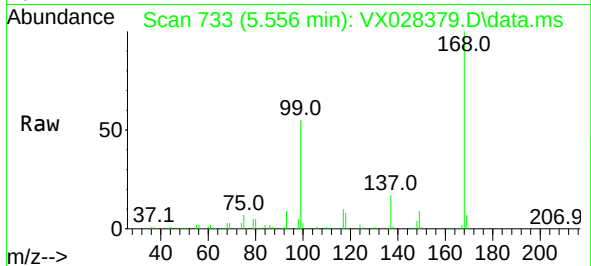




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

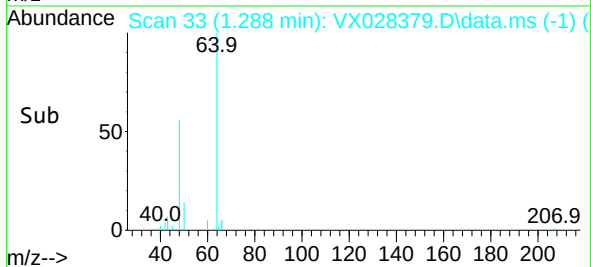
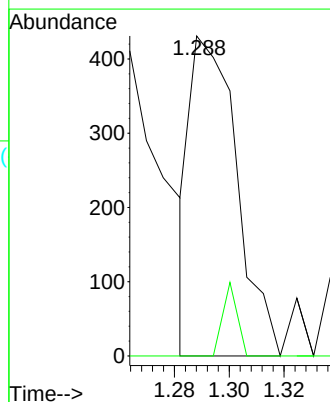
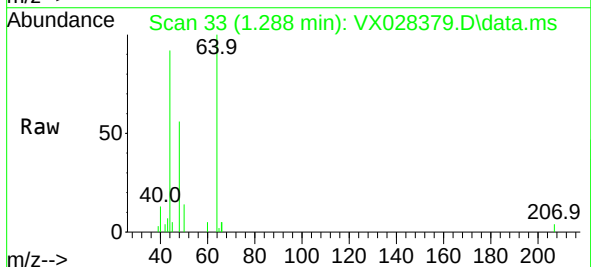
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

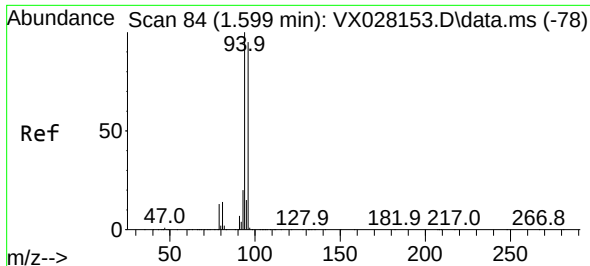
Tgt Ion:168 Resp: 435385
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Tgt Ion: 50 Resp: 505
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

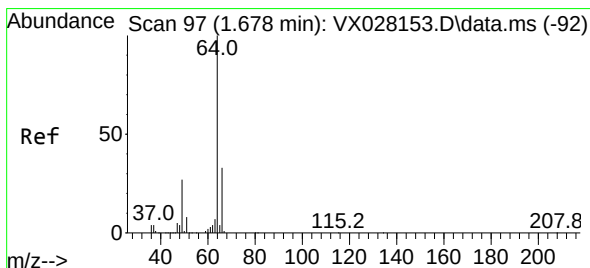
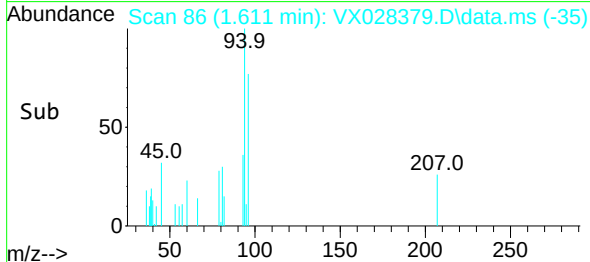
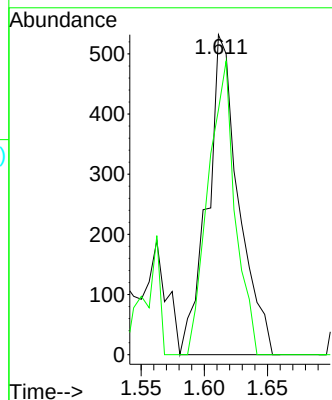
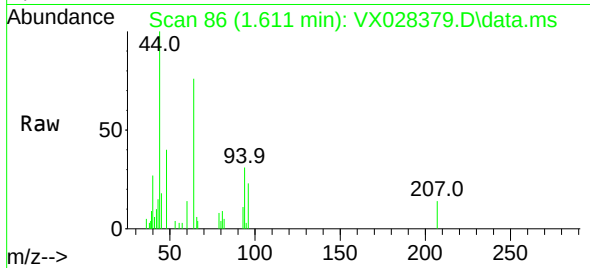




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

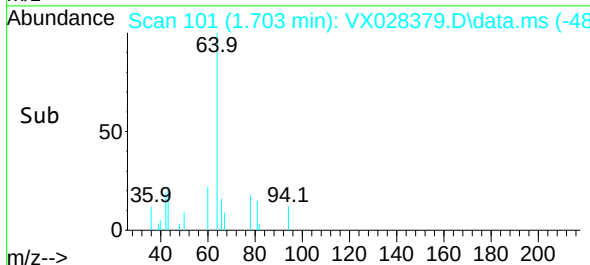
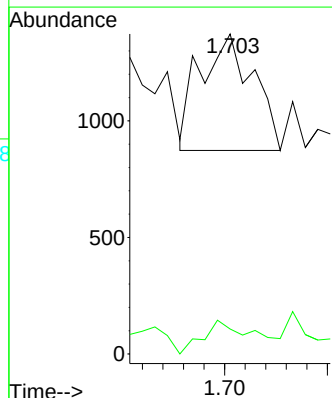
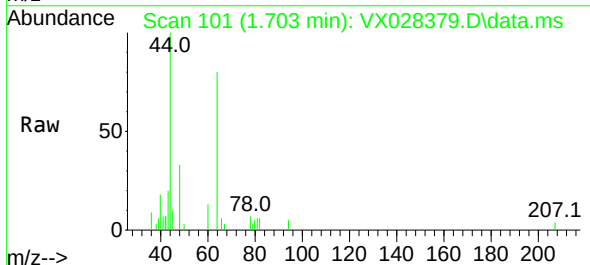
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

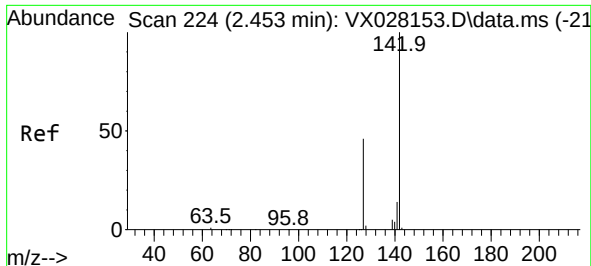
Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 76.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

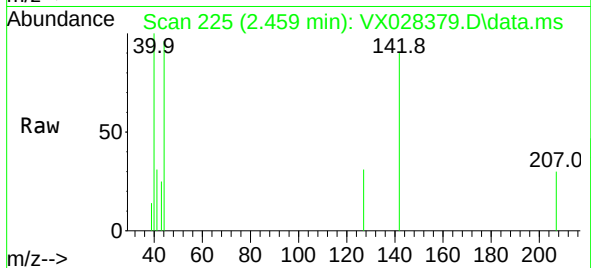
Tgt Ion: 64 Resp: 896
Ion Ratio Lower Upper
64 100
66 21.4 25.3 37.9#



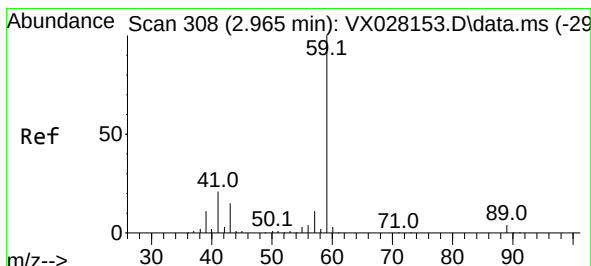
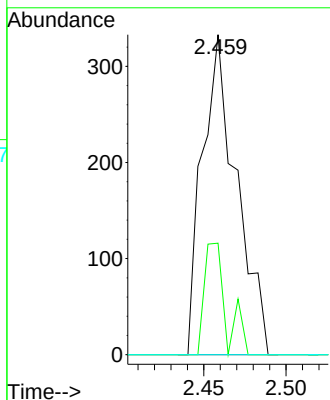
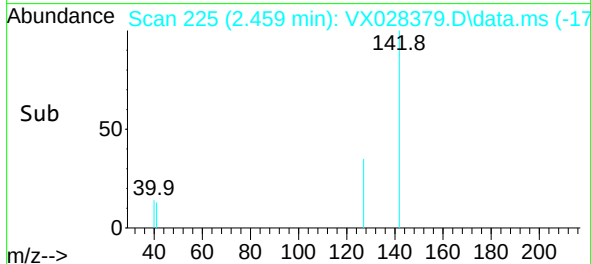


#10
Methyl Iodide
Concen: 5.324 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

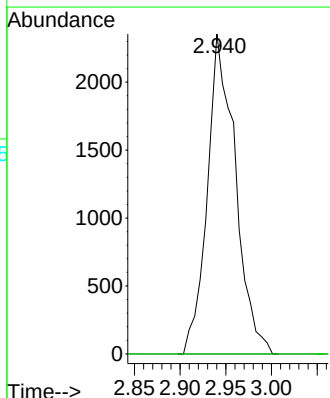
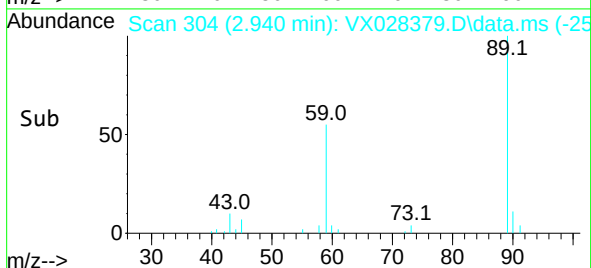
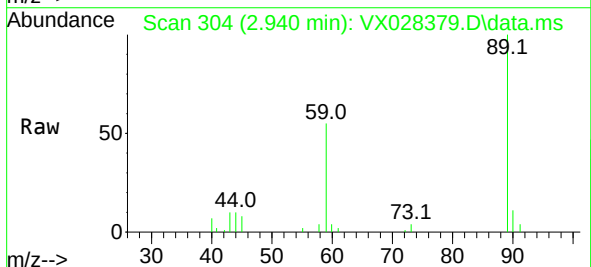


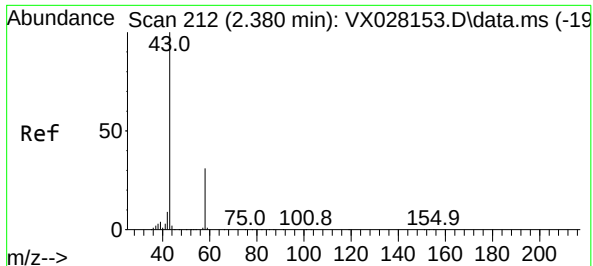
Tgt Ion:142 Resp: 482
Ion Ratio Lower Upper
142 100
127 22.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Tgt Ion: 59 Resp: 5026
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

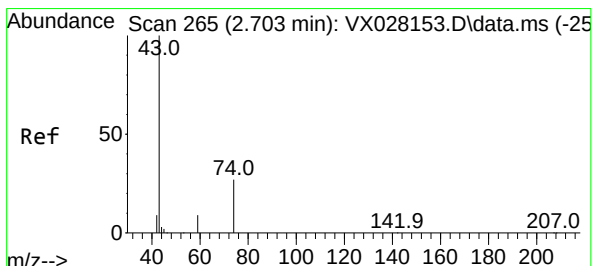
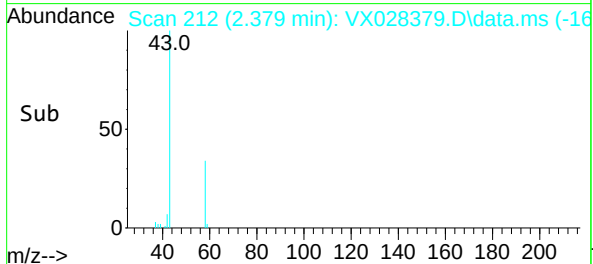
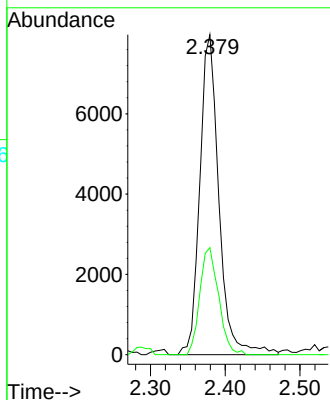
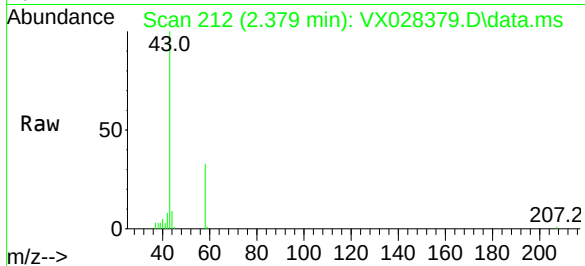




#16
Acetone
Concen: 6.797 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

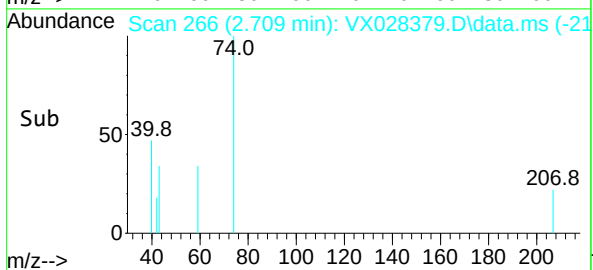
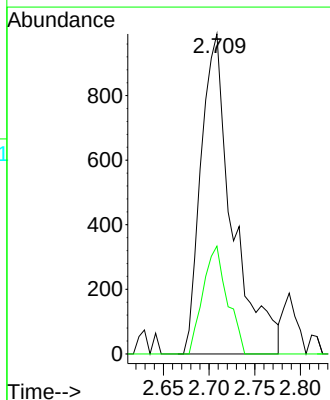
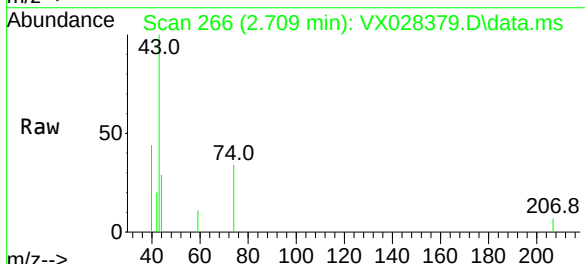
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

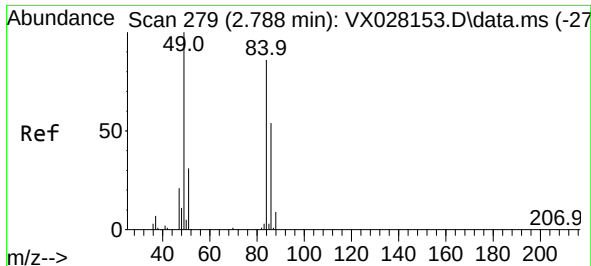
Tgt Ion: 43 Resp: 14140
Ion Ratio Lower Upper
43 100
58 33.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

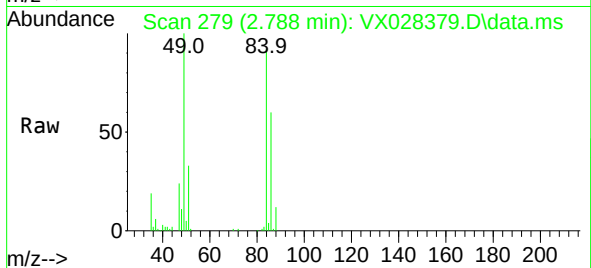
Tgt Ion: 43 Resp: 2366
Ion Ratio Lower Upper
43 100
74 26.1 22.8 34.2



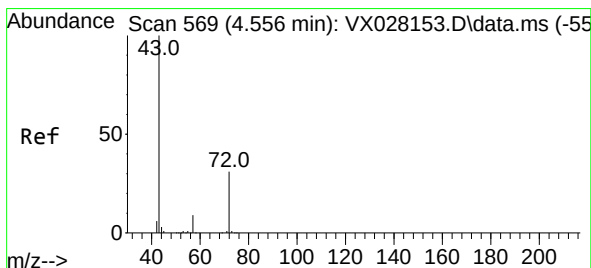
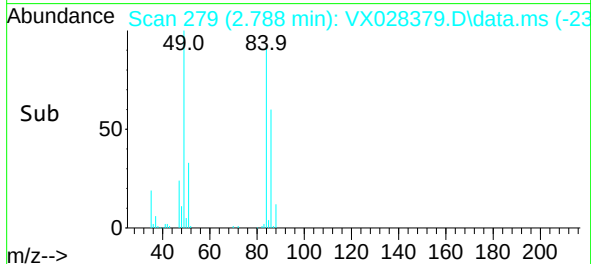
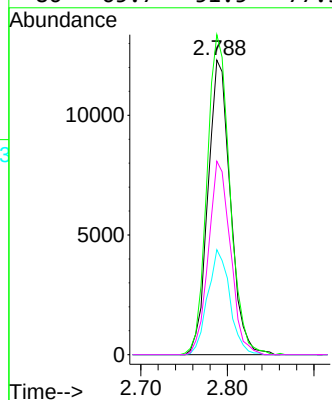


#20
Methylene Chloride
Concen: 5.247 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

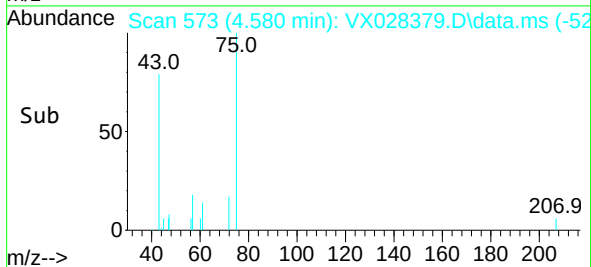
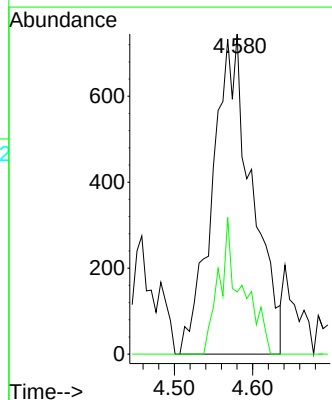
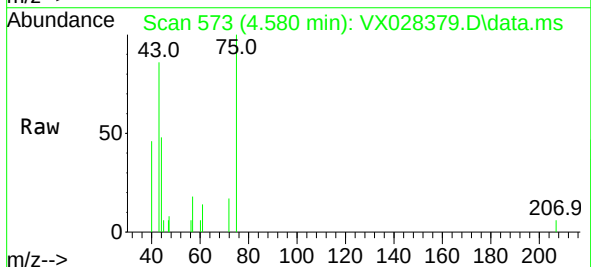


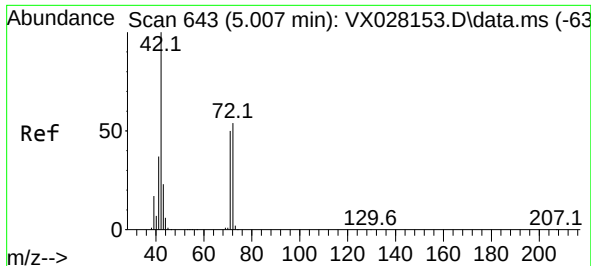
Tgt Ion:	84	Resp:	22102
Ion	Ratio	Lower	Upper
84	100		
49	108.6	85.5	128.3
51	35.6	26.6	39.8
86	65.7	51.5	77.3



#25
2-Butanone
Concen: 0.775 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Tgt Ion:	43	Resp:	2604
Ion	Ratio	Lower	Upper
43	100		
72	19.5	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB144390ZHE#04

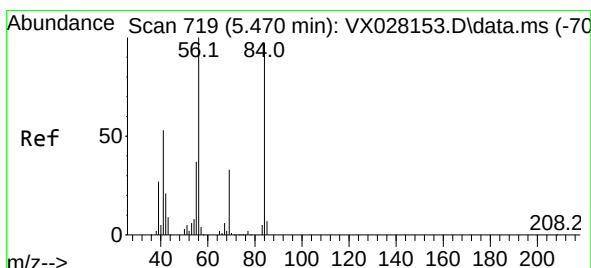
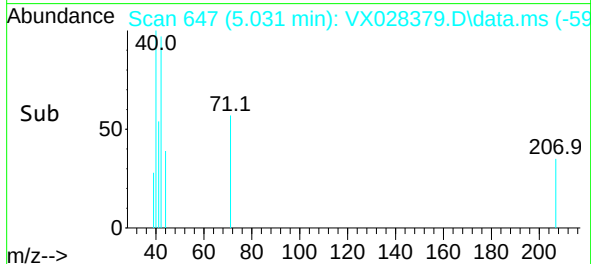
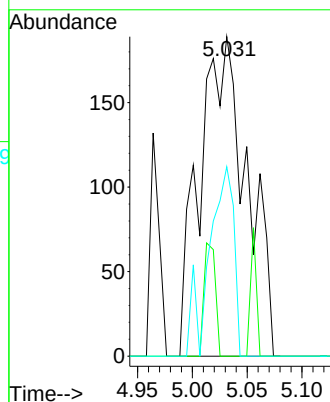
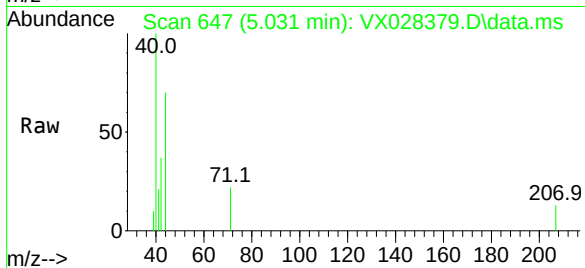
Tgt Ion: 42 Resp: 571

Ion Ratio Lower Upper

42 100

72 8.4 44.1 66.1#

71 30.8 40.5 60.7#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

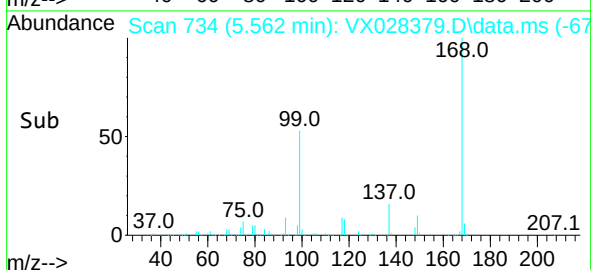
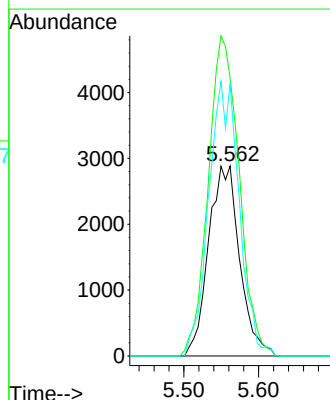
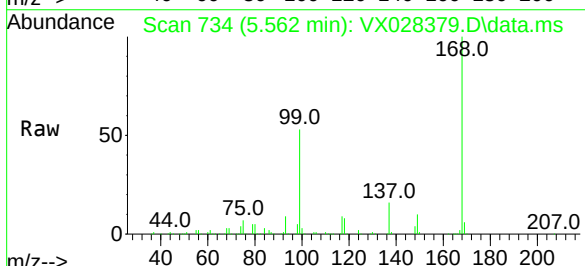
Tgt Ion: 56 Resp: 8343

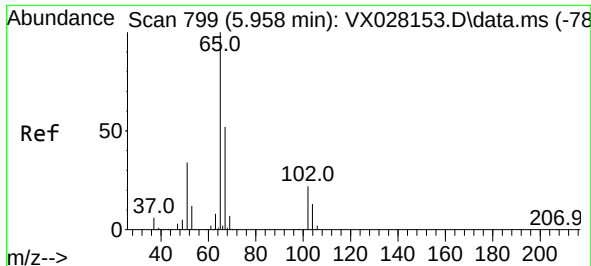
Ion Ratio Lower Upper

56 100

69 146.3 26.7 40.1#

84 143.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.030 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

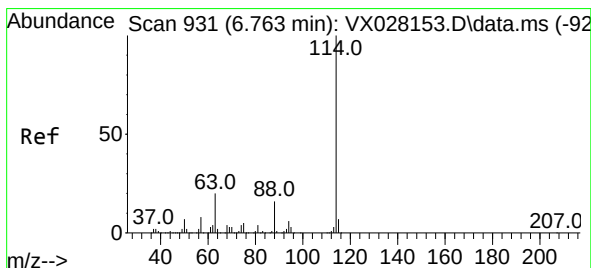
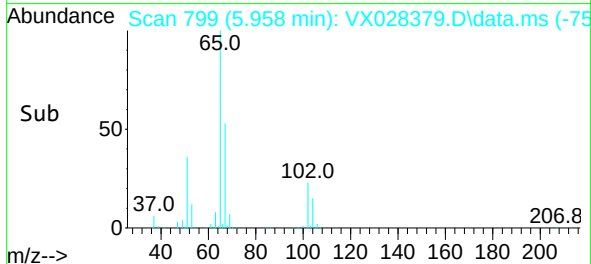
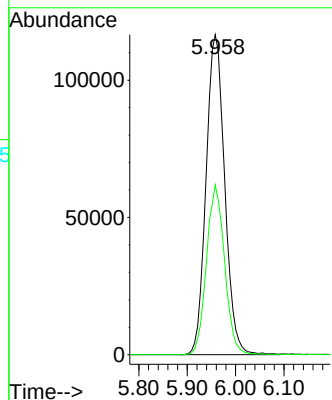
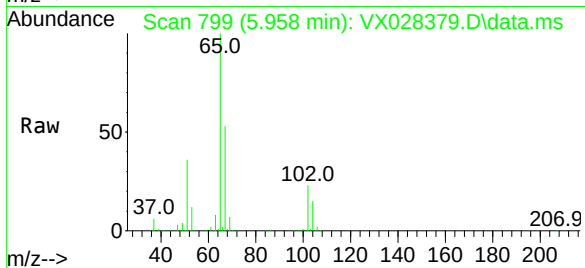
PB144390ZHE#04

Tgt Ion: 65 Resp: 312399

Ion Ratio Lower Upper

65 100

67 51.5 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: VX028379.D

Acq: 27 Apr 2022 15:33

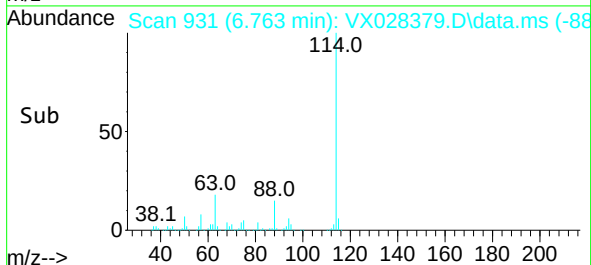
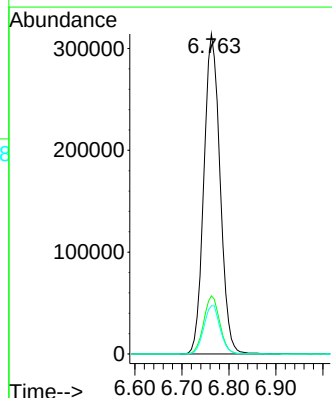
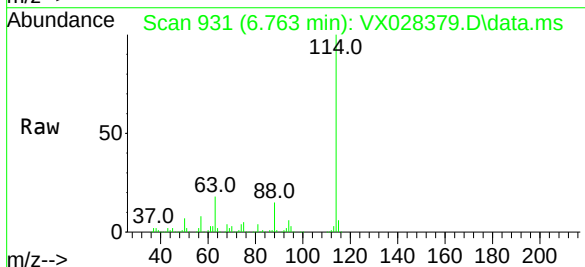
Tgt Ion: 114 Resp: 749985

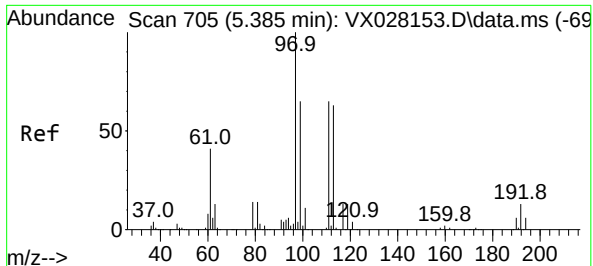
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.1 0.0 32.4

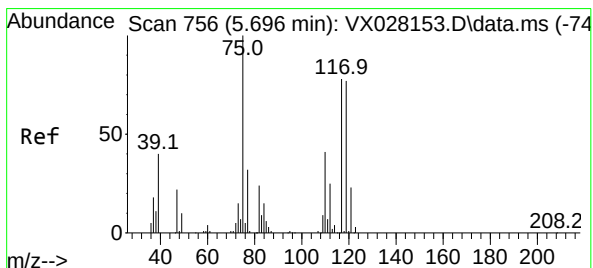
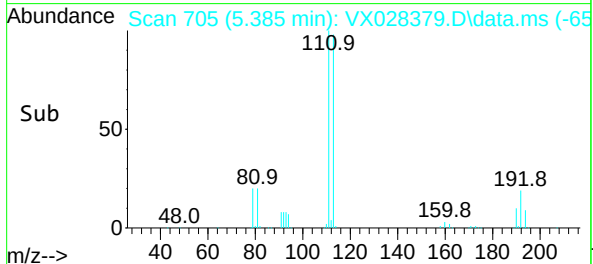
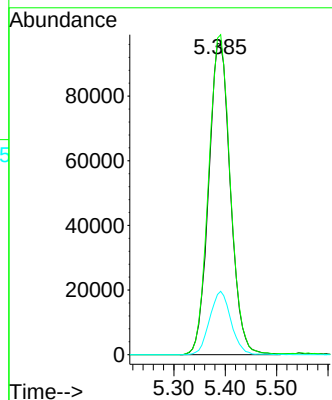
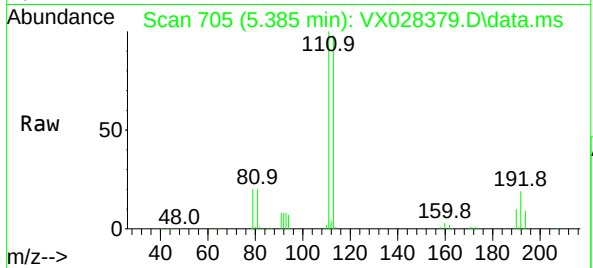




#35
Dibromofluoromethane
Concen: 53.943 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

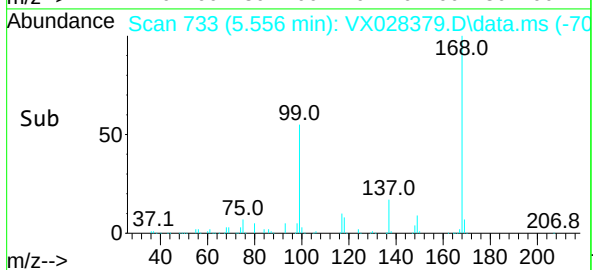
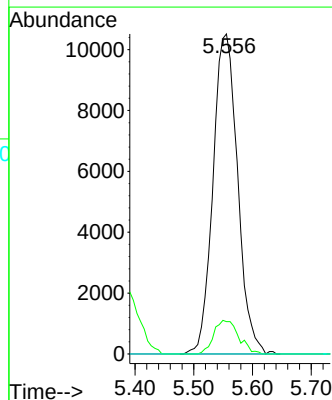
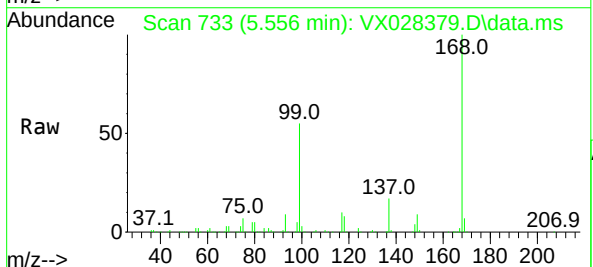
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

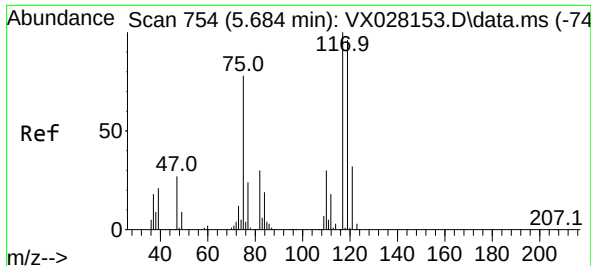
Tgt Ion:113 Resp: 283719
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.463 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

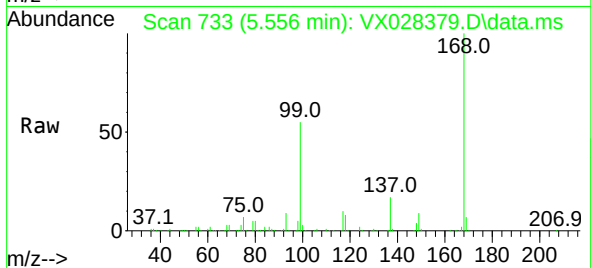
Tgt Ion: 75 Resp: 30618
Ion Ratio Lower Upper
75 100
110 10.6 18.3 54.8#
77 0.0 24.8 37.2#



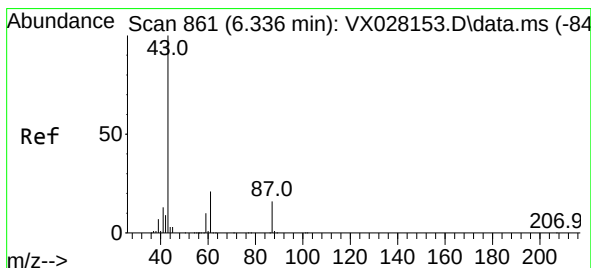
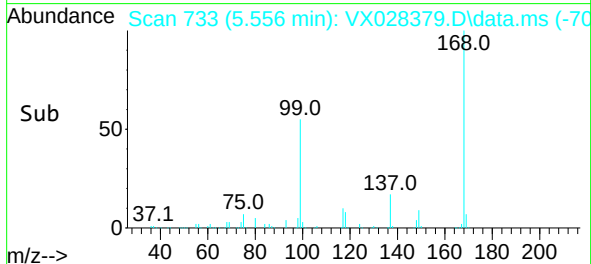
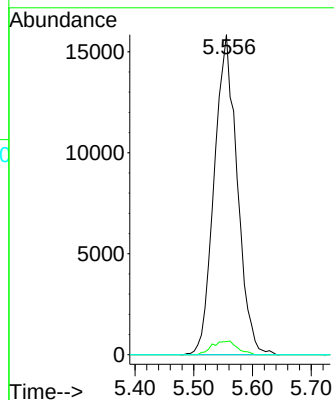


#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

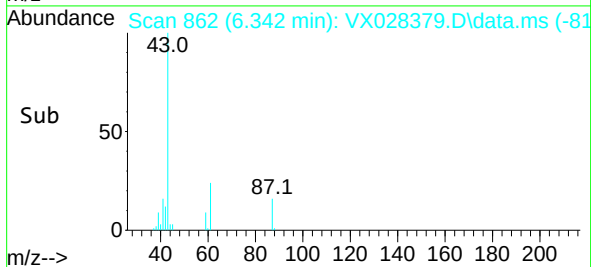
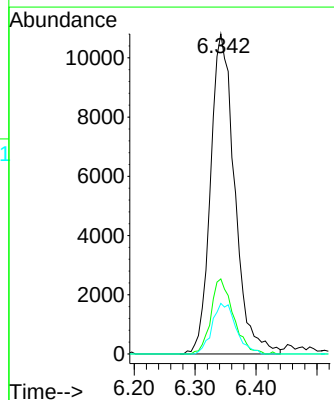
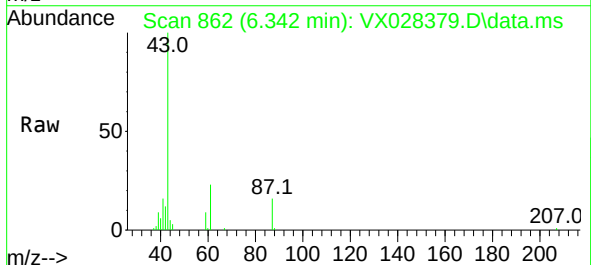


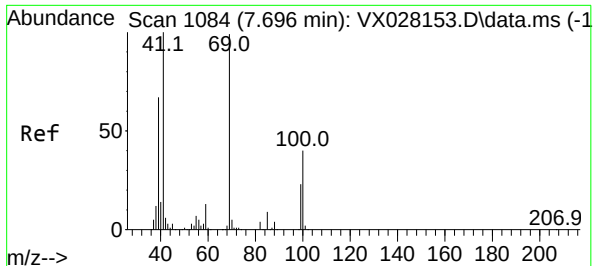
Tgt Ion:117 Resp: 42986
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.628 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Tgt Ion: 43 Resp: 29774
Ion Ratio Lower Upper
43 100
61 21.7 18.5 27.7
87 15.7 13.0 19.6





#48

Methyl methacrylate

Concen: 1.528 ug/l

RT: 7.604 min Scan# 1100

Delta R.T. -0.092 min

Lab File: VX028379.D

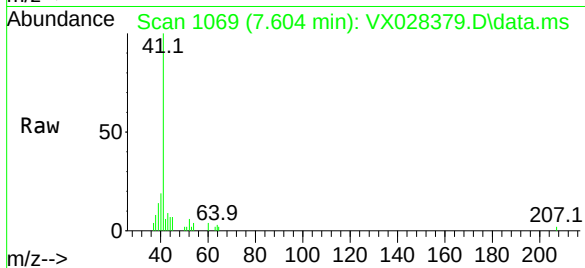
Acq: 27 Apr 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB144390ZHE#04



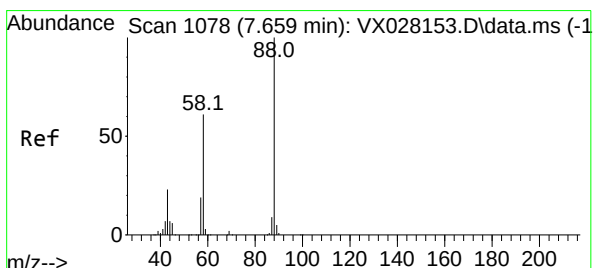
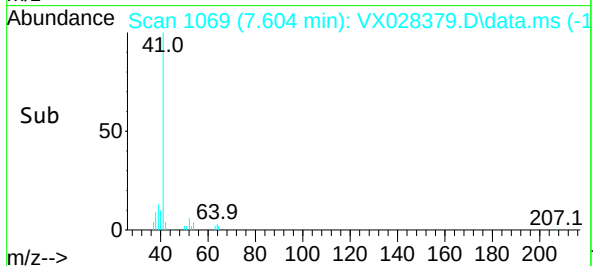
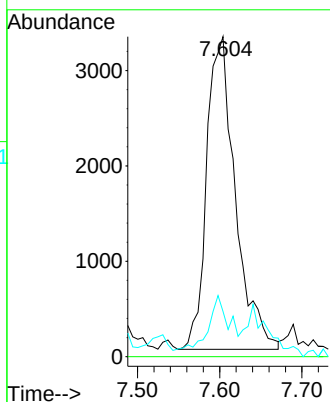
Tgt Ion: 41 Resp: 7950

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: 3.241 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

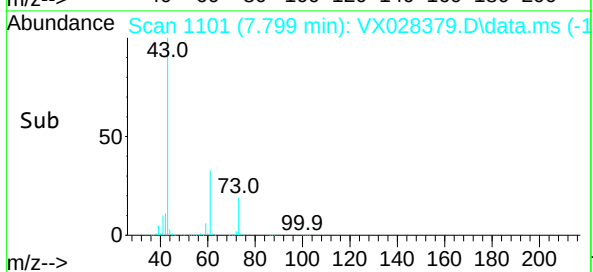
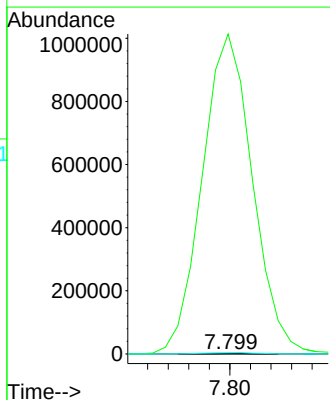
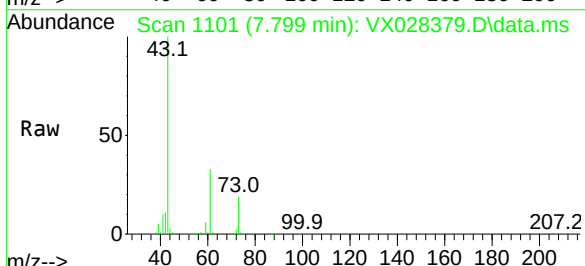
Tgt Ion: 88 Resp: 451

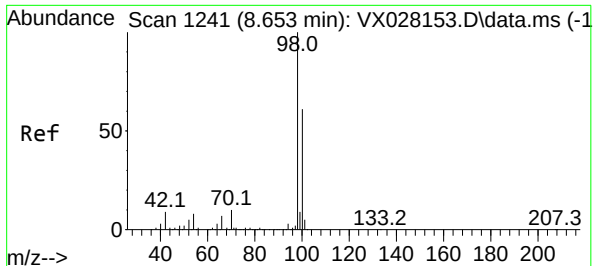
Ion Ratio Lower Upper

88 100

43 384508.0 21.9 32.9#

58 1751.2 53.7 80.5#

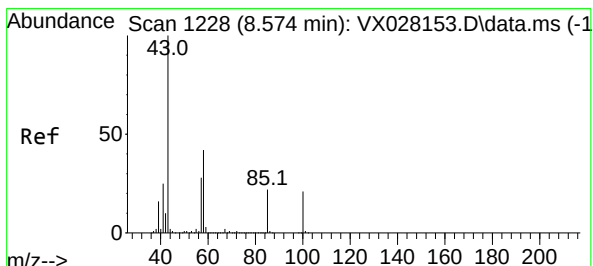
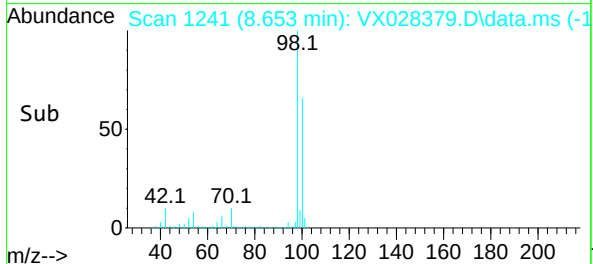
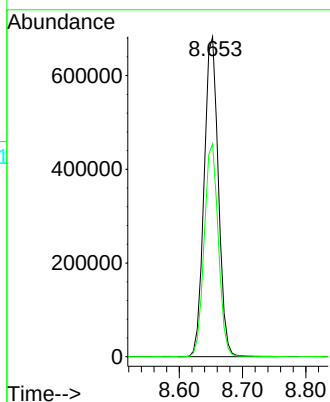
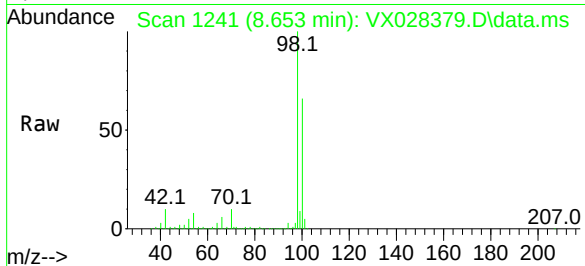




#50
Toluene-d8
Concen: 52.906 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

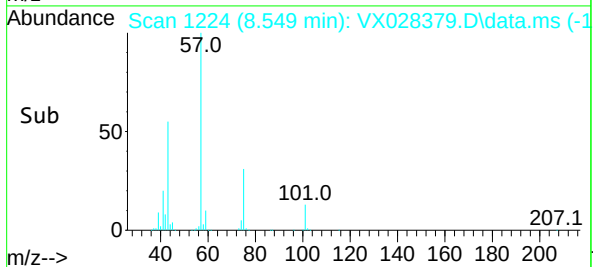
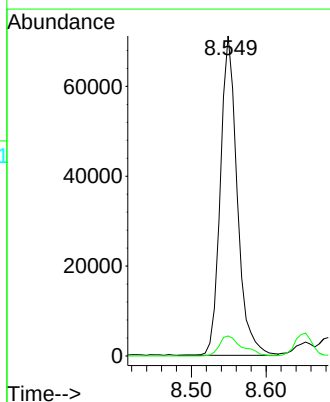
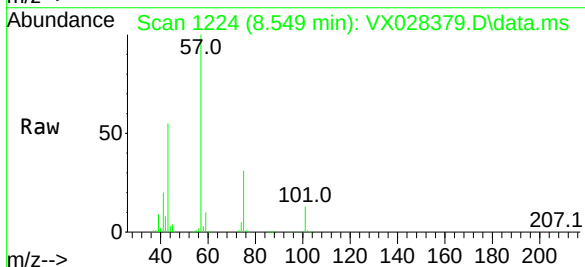
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

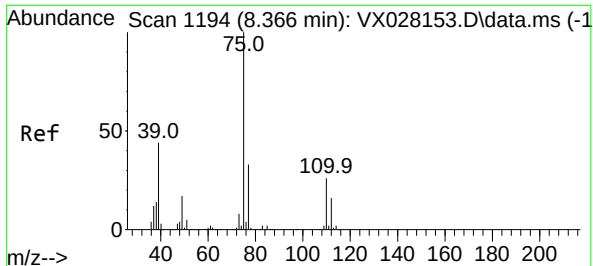
Tgt Ion: 98 Resp: 1068760
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.359 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

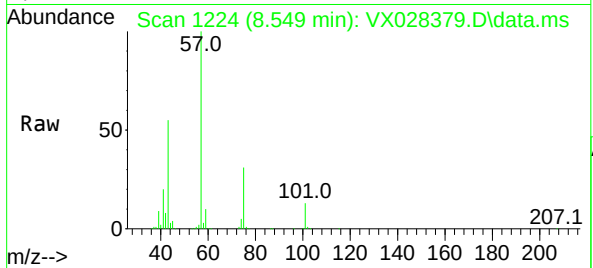
Tgt Ion: 43 Resp: 111669
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#



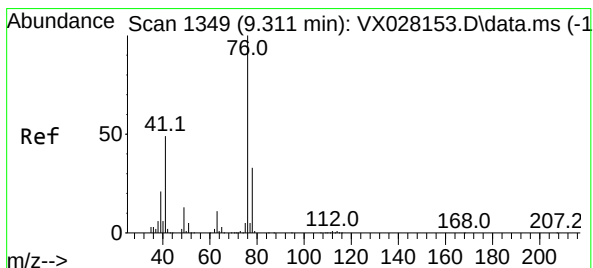
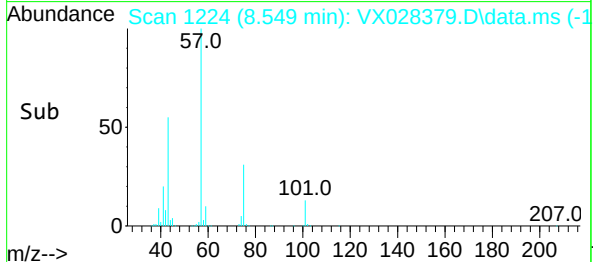
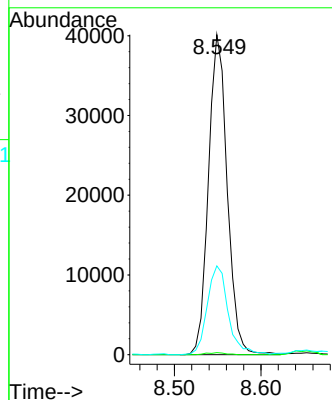


#54
cis-1,3-Dichloropropene
Concen: 7.139 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

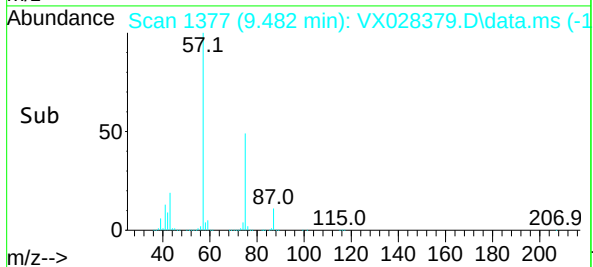
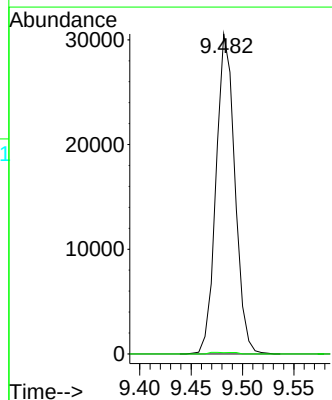
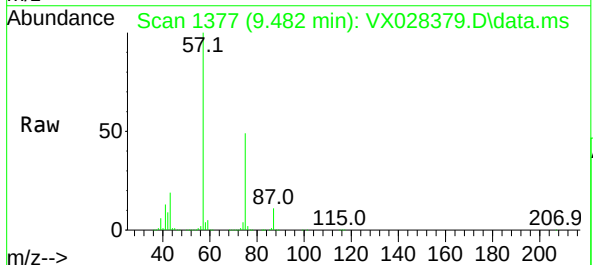


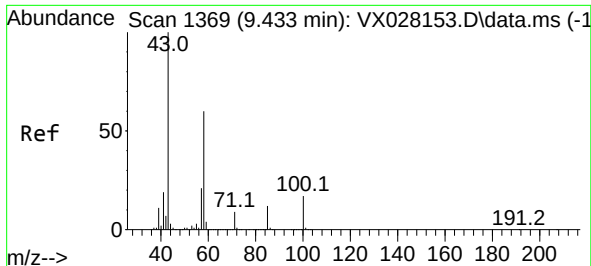
Tgt Ion: 75 Resp: 60381
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 27.8 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 4.252 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

Tgt Ion: 76 Resp: 38905
Ion Ratio Lower Upper
76 100
78 0.7 25.8 38.8#





#59

2-Hexanone

Concen: 76.973 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

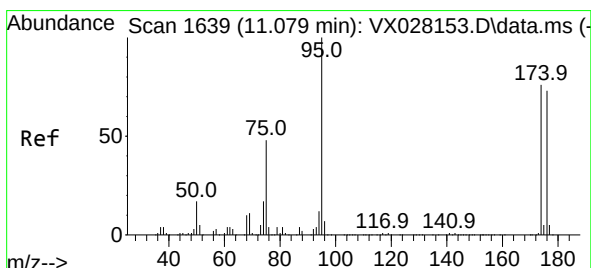
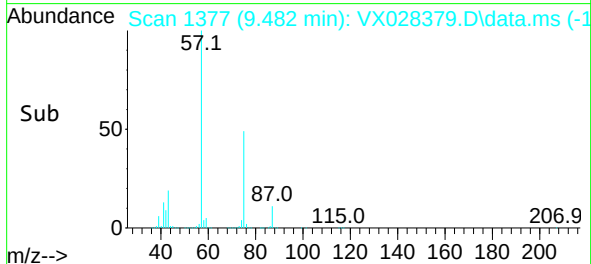
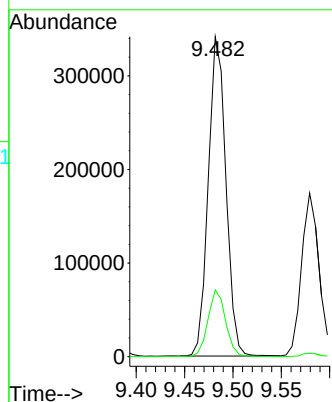
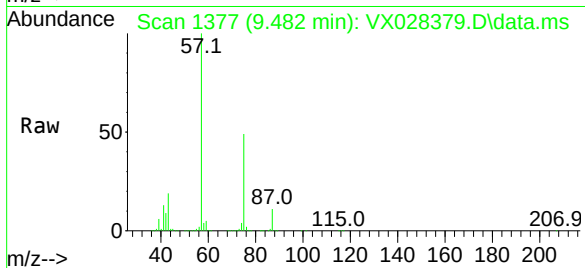
PB144390ZHE#04

Tgt Ion: 43 Resp: 433497

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.723 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028379.D

Acq: 27 Apr 2022 15:33

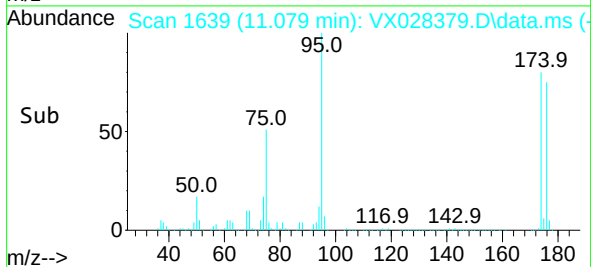
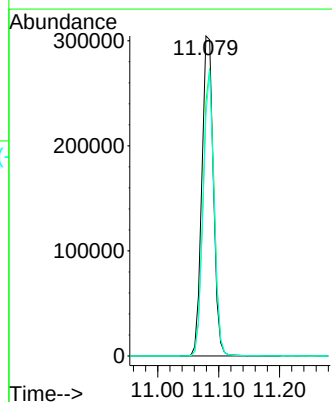
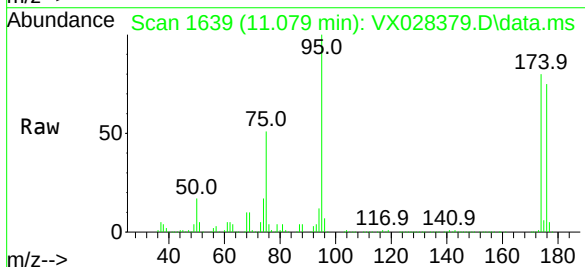
Tgt Ion: 95 Resp: 399512

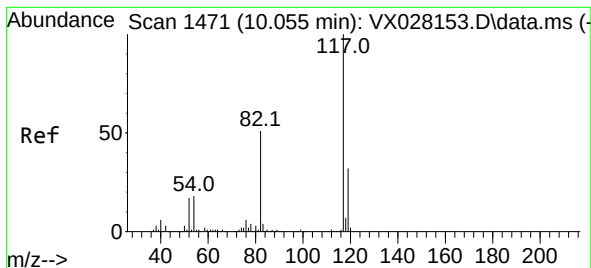
Ion Ratio Lower Upper

95 100

174 86.6 0.0 163.0

176 83.8 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: VX028379.D

Acq: 27 Apr 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB144390ZHE#04

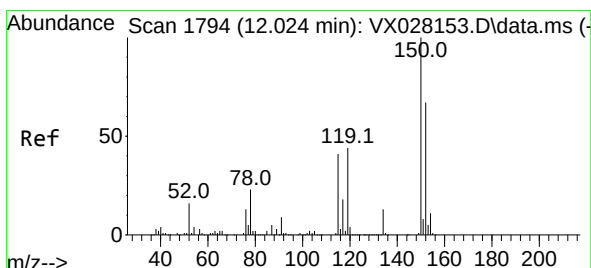
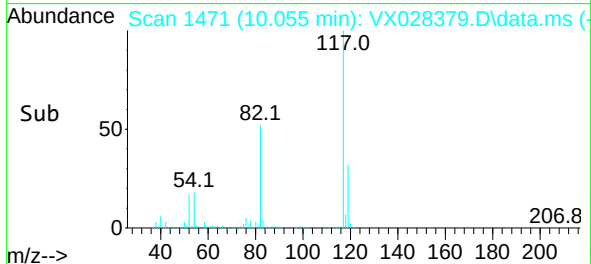
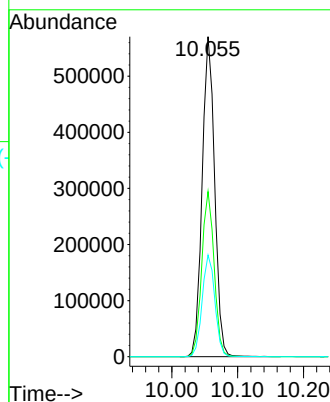
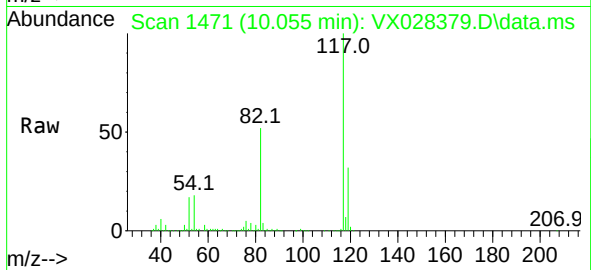
Tgt Ion:117 Resp: 752056

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

119 31.7 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: VX028379.D

Acq: 27 Apr 2022 15:33

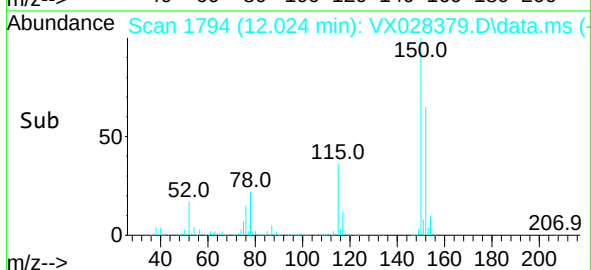
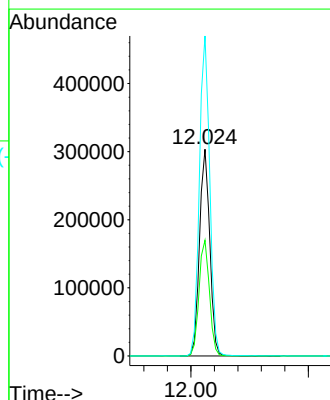
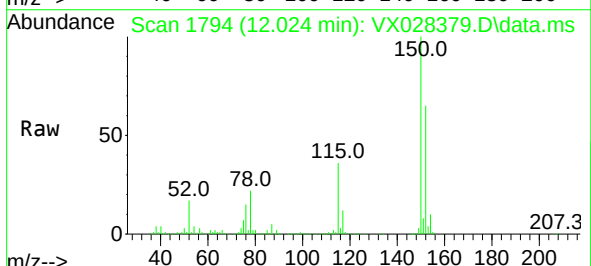
Tgt Ion:152 Resp: 367086

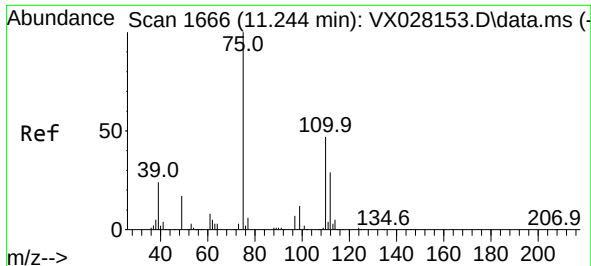
Ion Ratio Lower Upper

152 100

115 57.1 37.5 112.7

150 156.1 0.0 338.2

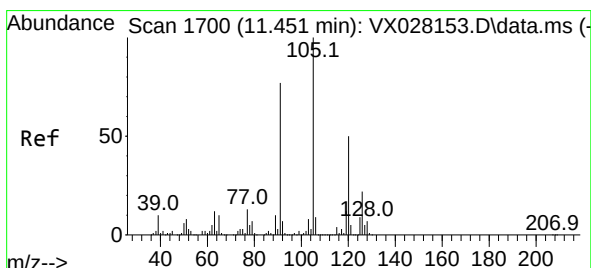
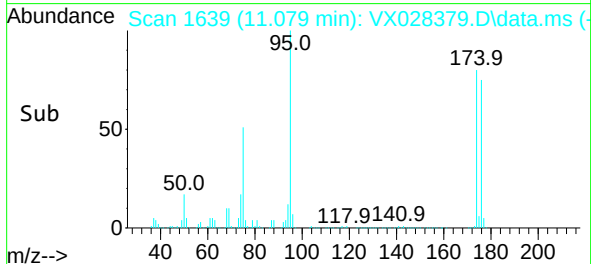
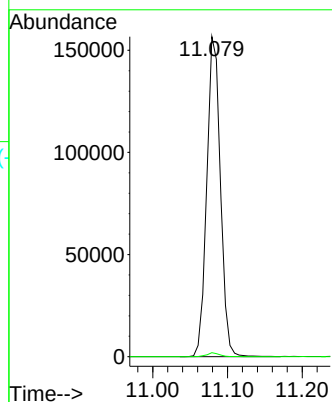
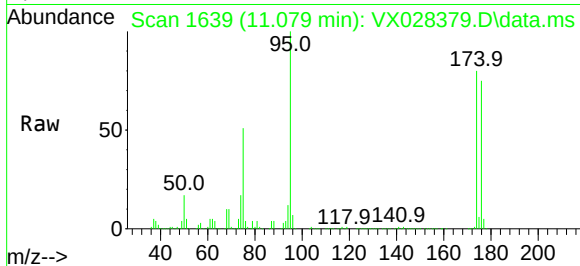




#76
1,2,3-Trichloropropane
Concen: 27.491 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

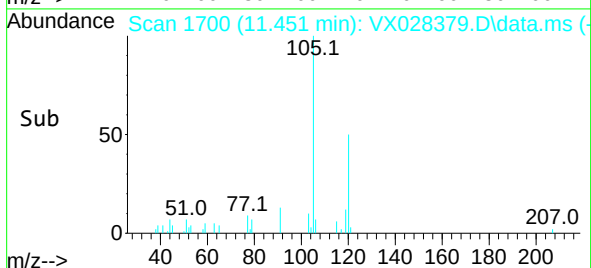
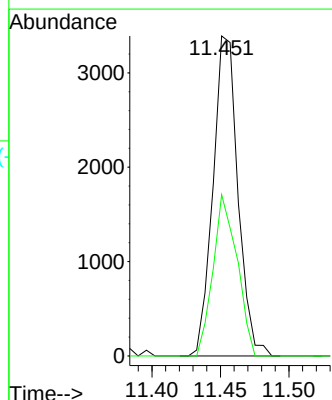
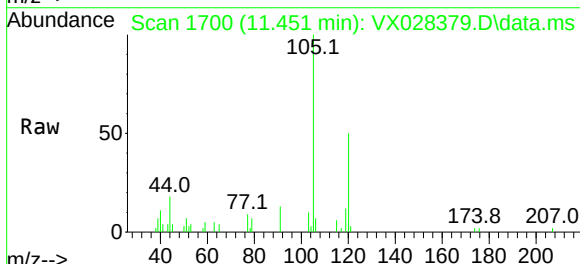
Instrument :
MSVOA_X
ClientSampleId :
PB144390ZHE#04

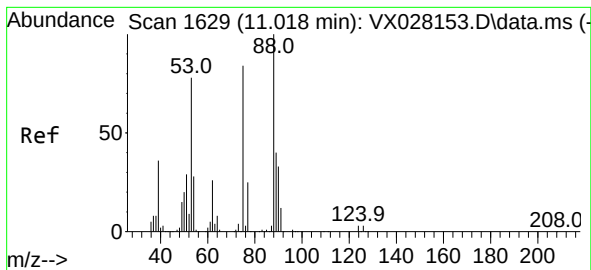
Tgt Ion: 75 Resp: 198605
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX028379.D
Acq: 27 Apr 2022 15:33

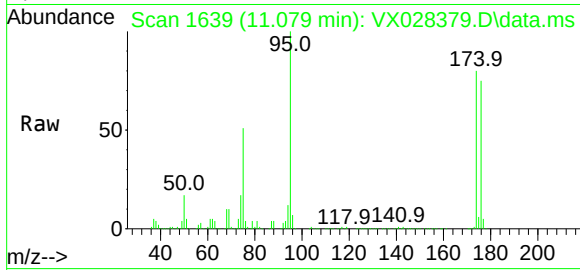
Tgt Ion: 105 Resp: 4289
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.695 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028379.D
 Acq: 27 Apr 2022 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144390ZHE#04



Tgt Ion: 75 Resp: 198605
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

