

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021977.D
 Acq On : 13 May 2021 18:59
 Operator : JC/MD
 Sample : PB136362ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB136362ZHE#03

Quant Time: May 14 04:40:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

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

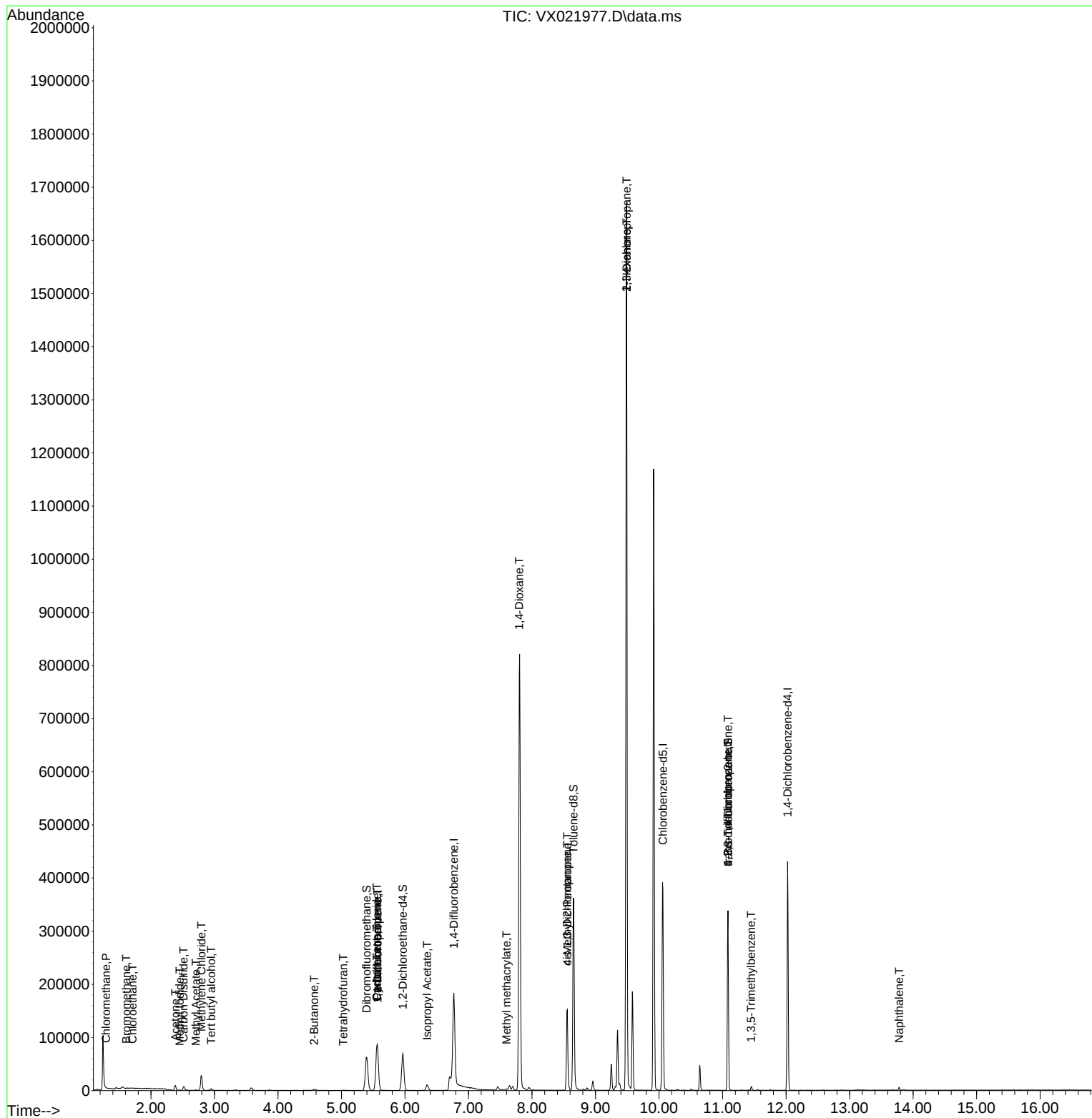
Internal Standards						
1) Pentafluorobenzene	5.562	168	77770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	170634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	175430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	62153	48.56	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.12%		
35) Dibromofluoromethane	5.397	113	55102	47.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.24%		
50) Toluene-d8	8.653	98	213539	47.85	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.70%		
62) 4-Bromofluorobenzene	11.085	95	92049	52.27	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.54%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	390	0.32	ug/l	92
5) Bromomethane	1.611	94	109	0.21	ug/l #	73
6) Chloroethane	1.709	64	373	0.51	ug/l #	43
10) Methyl Iodide	2.453	142	500	0.42	ug/l #	88
11) Tert butyl alcohol	2.947	59	1899	5.56	ug/l #	73
13) Acrolein	2.233	56	103	Below Cal	#	14
16) Acetone	2.386	43	9224	16.07	ug/l	97
17) Carbon Disulfide	2.514	76	8626	2.94	ug/l	99
18) Methyl Acetate	2.709	43	1317	0.83	ug/l #	72
20) Methylene Chloride	2.794	84	12545	10.71	ug/l	95
25) 2-Butanone	4.568	43	1989	2.01	ug/l #	74
29) Tetrahydrofuran	5.025	42	518	0.88	ug/l #	32
31) Cyclohexane	5.556	56	2252	1.33	ug/l #	34
36) 1,1-Dichloropropene	5.568	75	6742	3.73	ug/l #	48
38) Carbon Tetrachloride	5.556	117	8678	4.80	ug/l #	17
43) Isopropyl Acetate	6.348	43	15377	4.16	ug/l	96
48) Methyl methacrylate	7.598	41	4110	2.42	ug/l #	10
49) 1,4-Dioxane	7.799	88	29	0.81	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	53081	23.06	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	26020	10.95	ug/l #	60
57) 1,3-Dichloropropane	9.488	76	14696	6.18	ug/l #	42
59) 2-Hexanone	9.488	43	188540	106.35	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	46931	21.02	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	3484	0.57	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	46931	48.76	ug/l #	12
95) Naphthalene	13.780	128	3252	0.46	ug/l	97

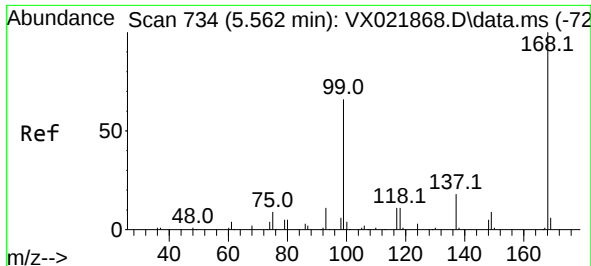
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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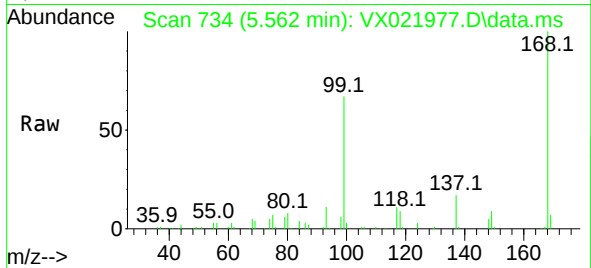
Quant Time: May 14 04:40:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
QLast Update : Sat May 08 05:38:18 2021
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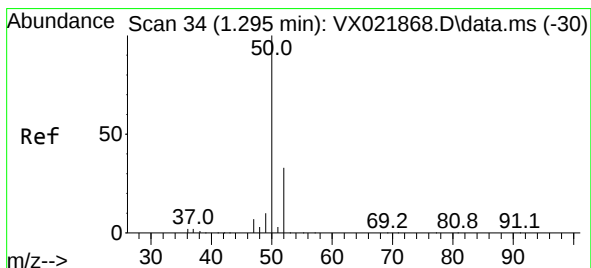
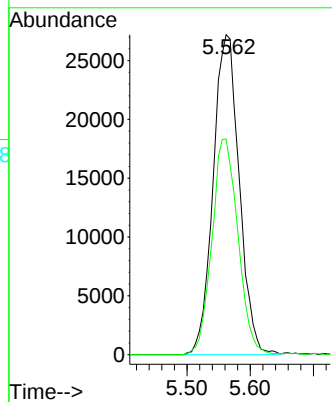
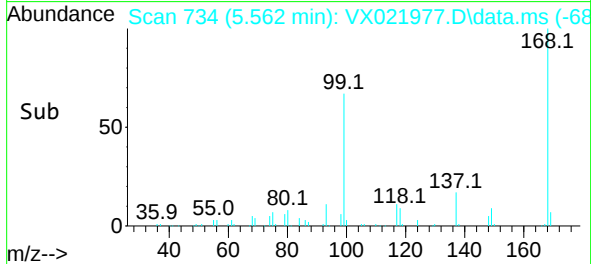


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

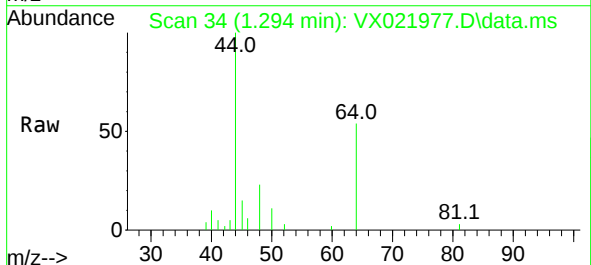
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03



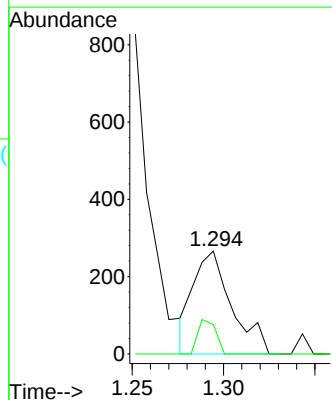
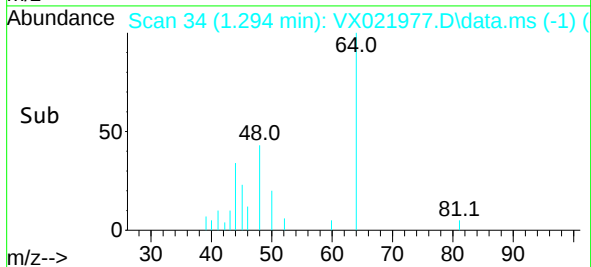
Tgt Ion:168 Resp: 77770
Ion Ratio Lower Upper
168 100
99 67.4 45.8 68.6

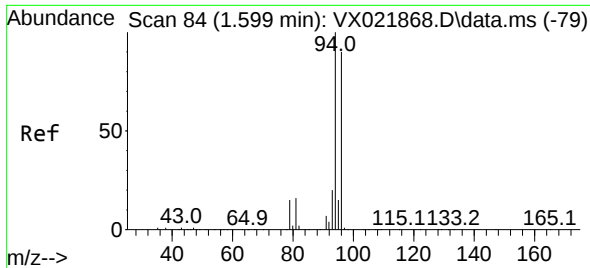


#3
Chloromethane
Concen: 0.32 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59



Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 28.6 26.4 39.6

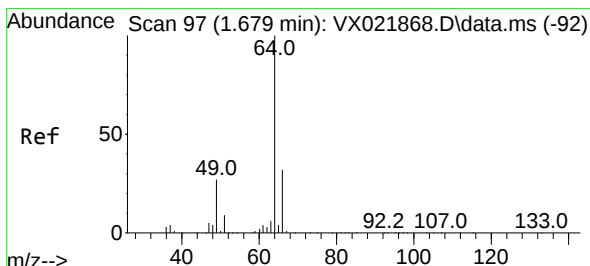
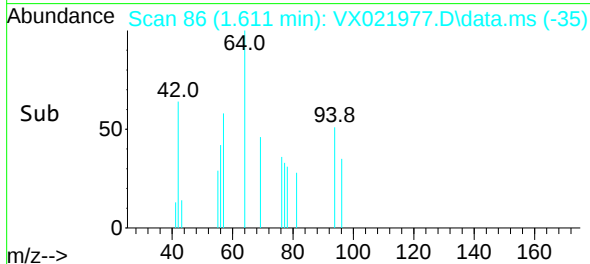
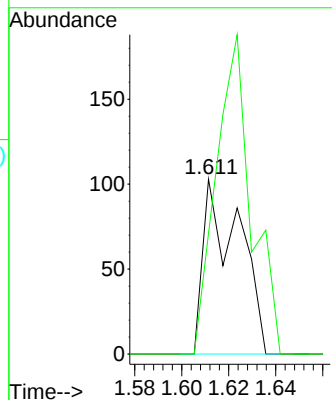
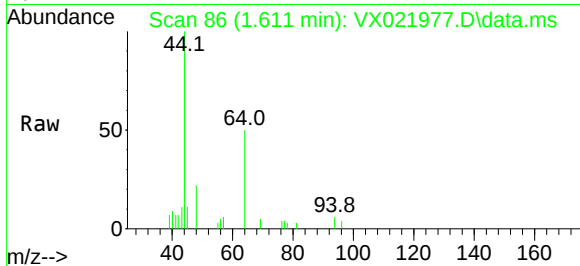




#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

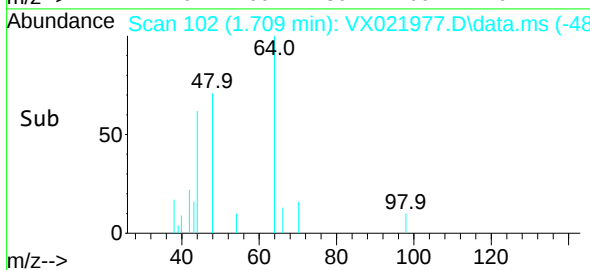
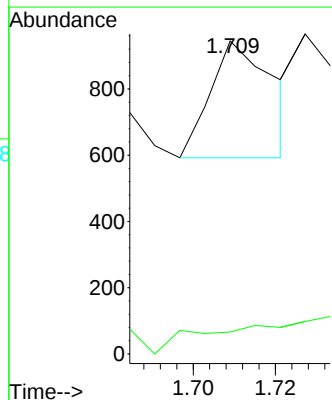
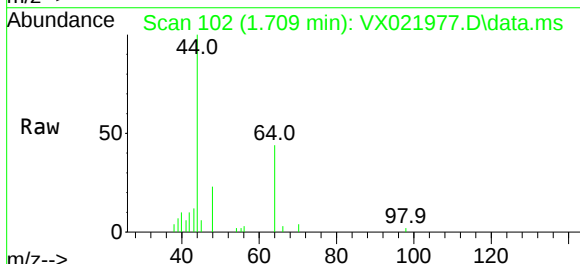
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

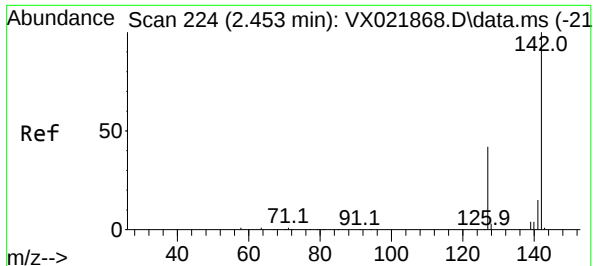
Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 68.9 76.4 114.6#



#6
Chloroethane
Concen: 0.51 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

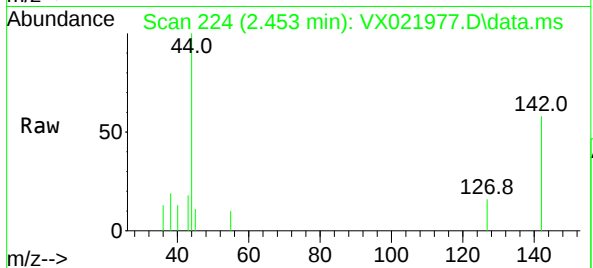
Tgt Ion: 64 Resp: 373
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



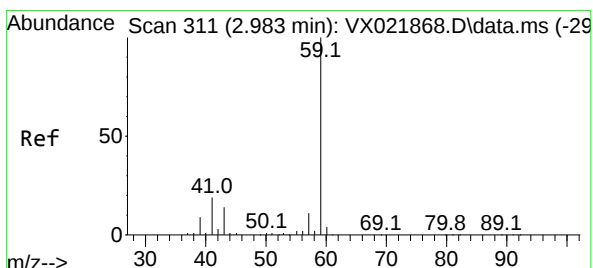
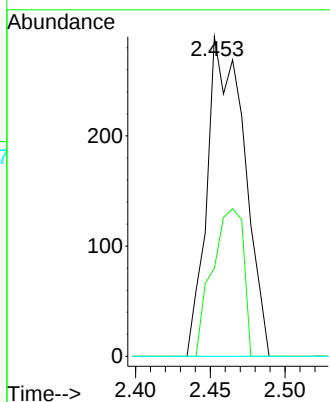
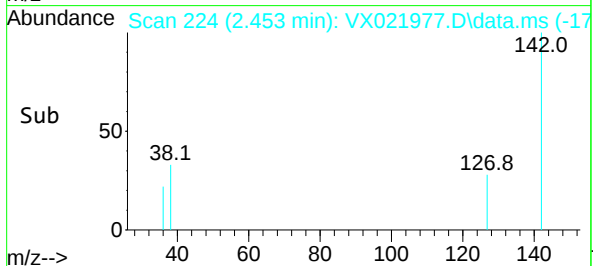


#10
Methyl Iodide
Concen: 0.42 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

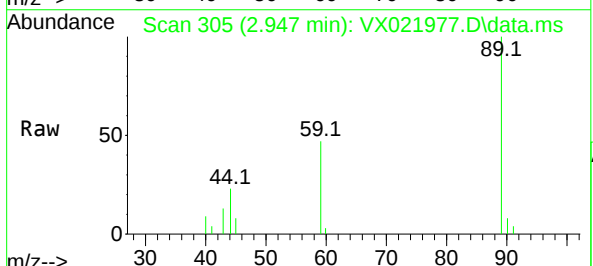
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03



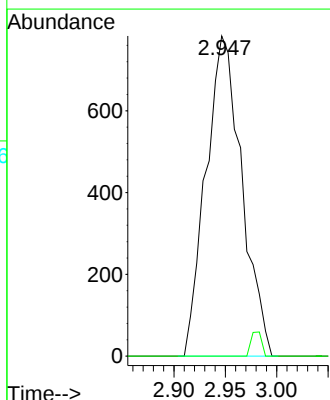
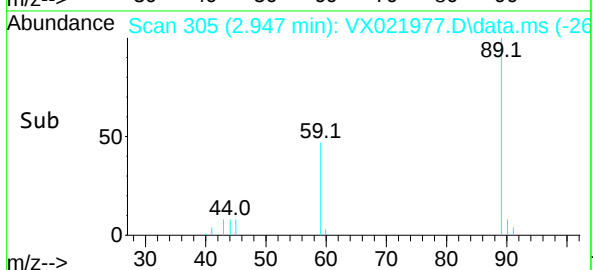
Tgt Ion:142 Resp: 500
Ion Ratio Lower Upper
142 100
127 38.8 33.3 49.9
141 0.0 11.4 17.0#

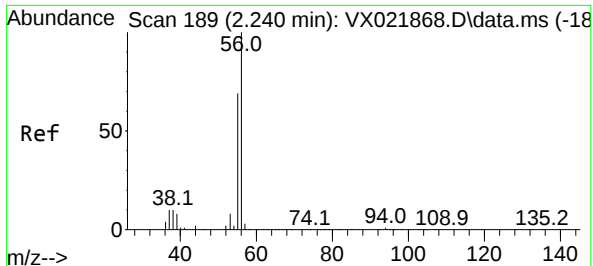


#11
Tert butyl alcohol
Concen: 5.56 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59



Tgt Ion: 59 Resp: 1899
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

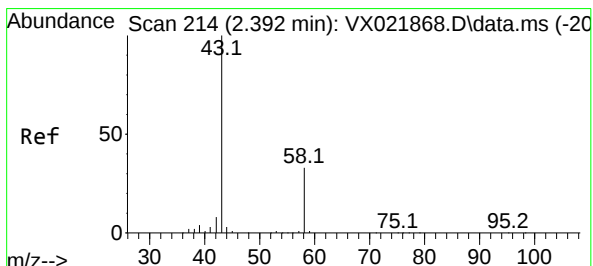
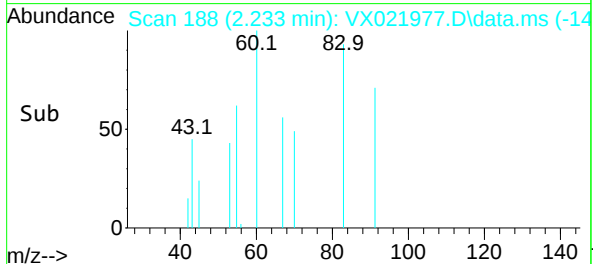
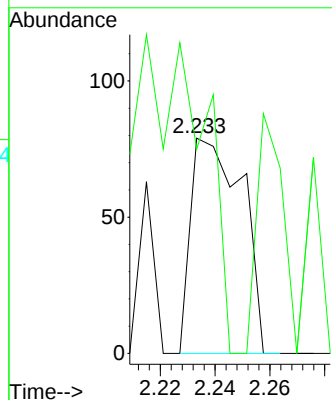
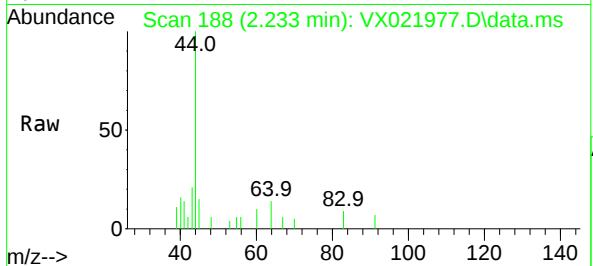




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

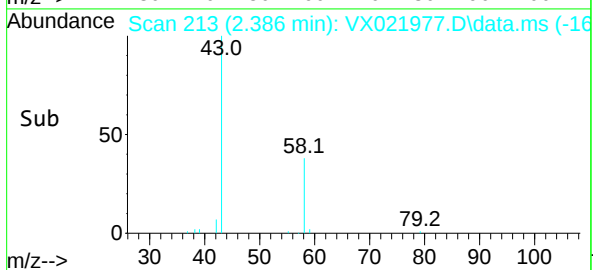
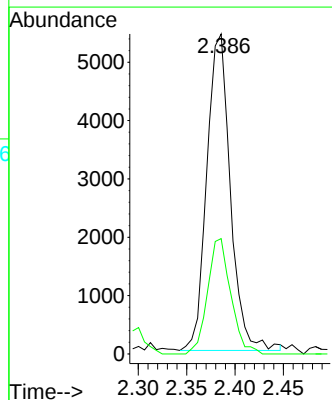
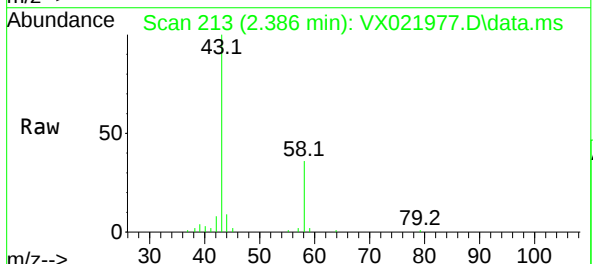
Instrument :
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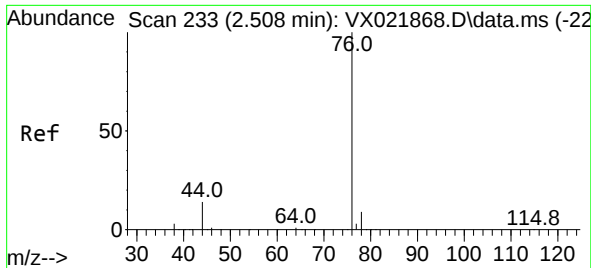
Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 16.07 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 43 Resp: 9224
Ion Ratio Lower Upper
43 100
58 36.4 27.8 41.8

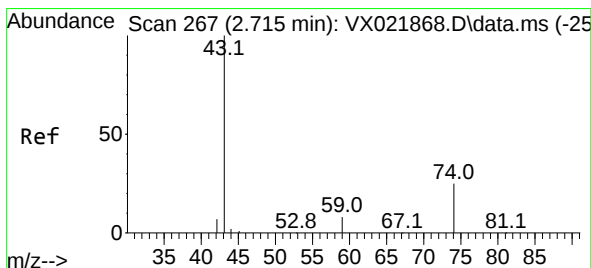
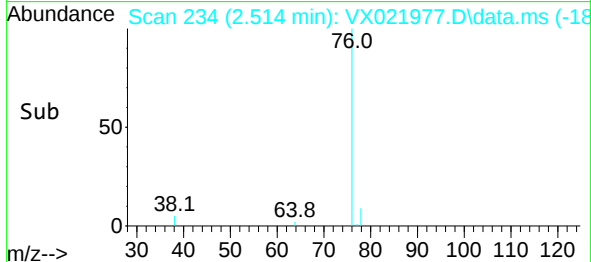
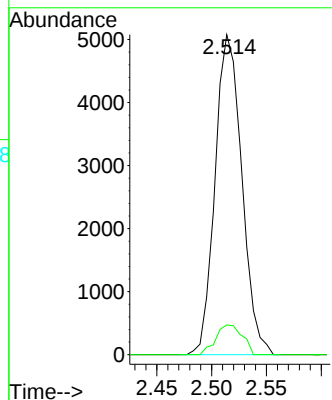
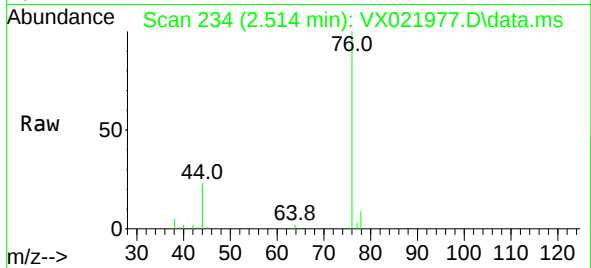




#17
Carbon Disulfide
Concen: 2.94 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

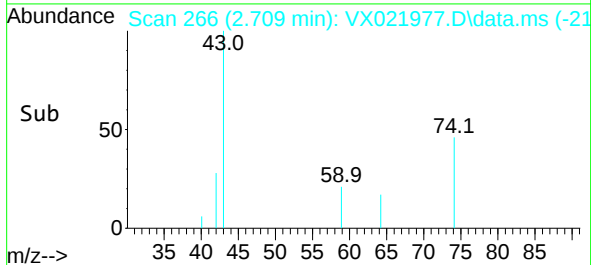
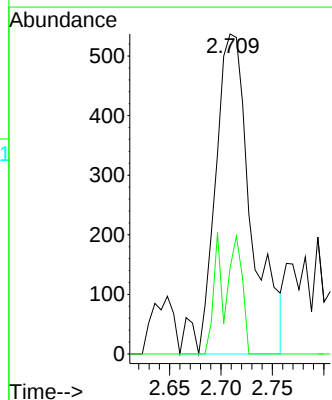
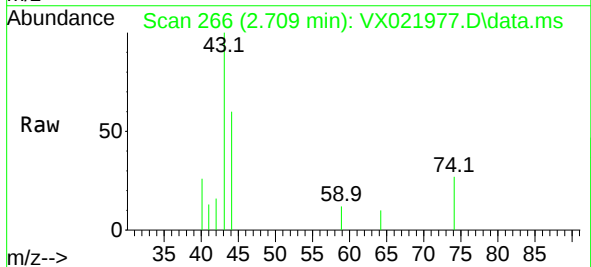
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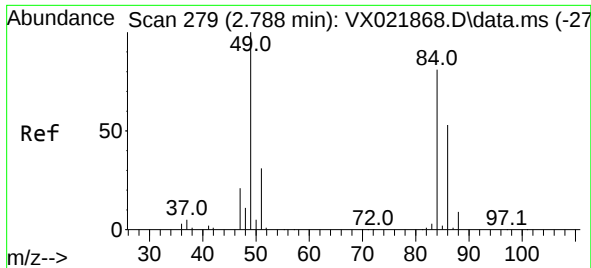
Tgt Ion: 76 Resp: 8626
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 0.83 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
74 13.1 21.9 32.9#

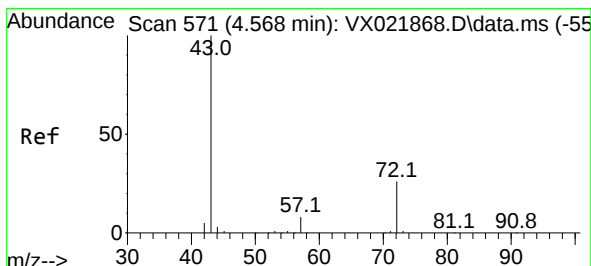
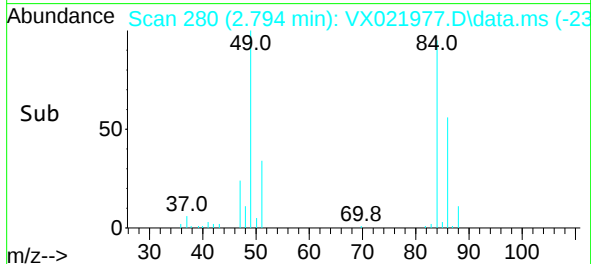
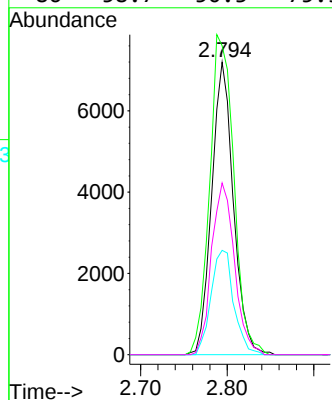
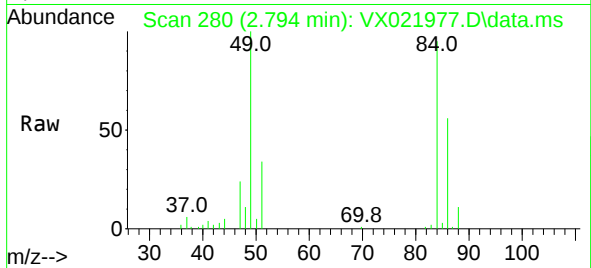




#20
Methylene Chloride
Concen: 10.71 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

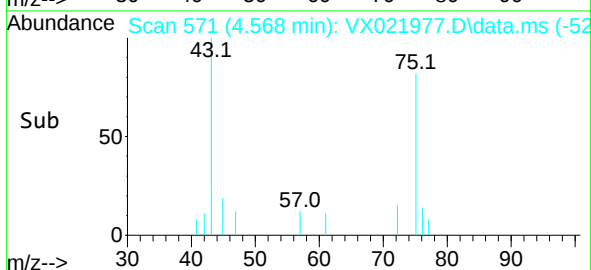
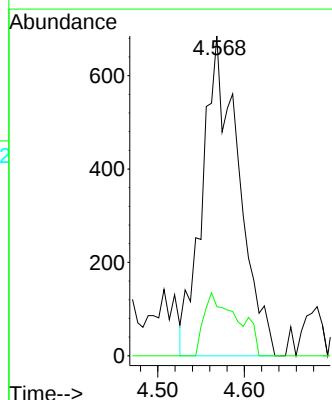
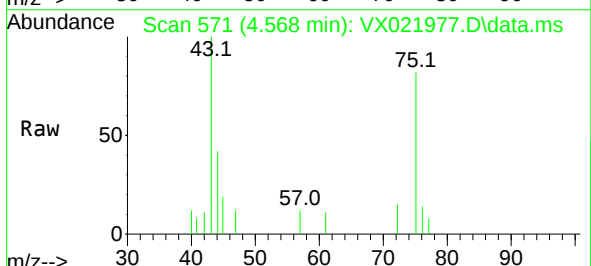
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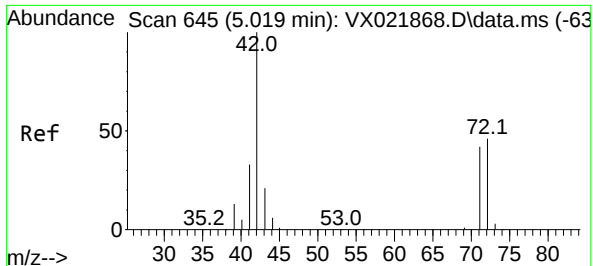
Tgt Ion:	84	Resp:	12545
Ion	Ratio	Lower	Upper
84	100		
49	105.6	88.6	132.8
51	35.6	27.0	40.6
86	58.7	50.3	75.5



#25
2-Butanone
Concen: 2.01 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion:	43	Resp:	1989
Ion	Ratio	Lower	Upper
43	100		
72	15.3	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

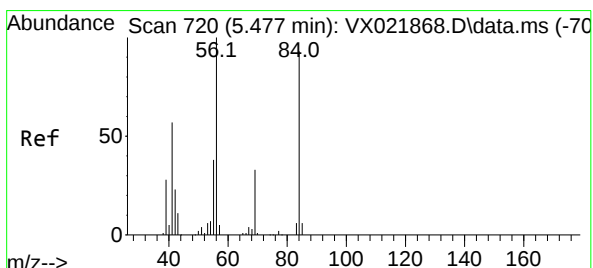
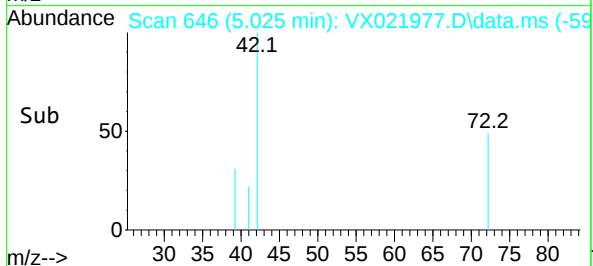
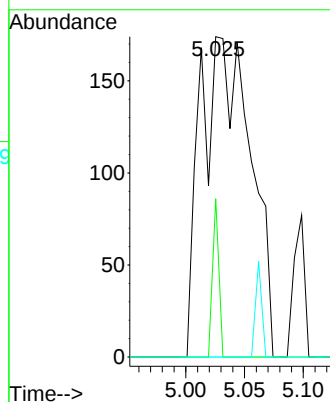
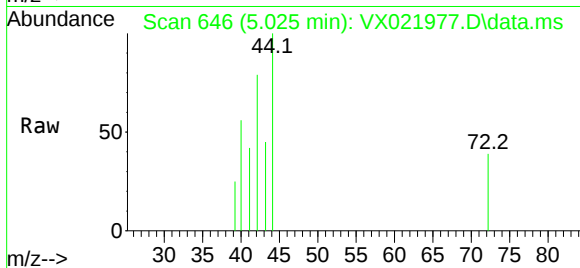
Instrument :

MSVOA_X

ClientSampleId :

PB136362ZHE#03

Tgt Ion:	42	Resp:	518
Ion	Ratio	Lower	Upper
42	100		
72	6.0	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.33 ug/l

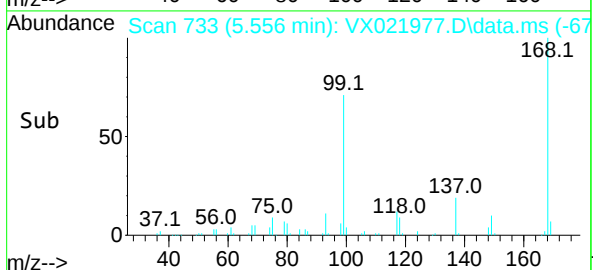
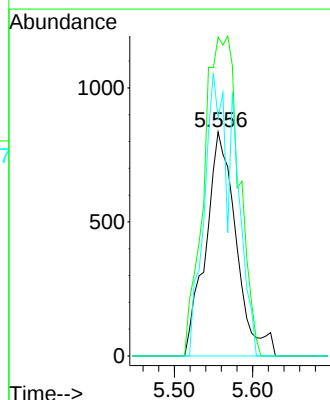
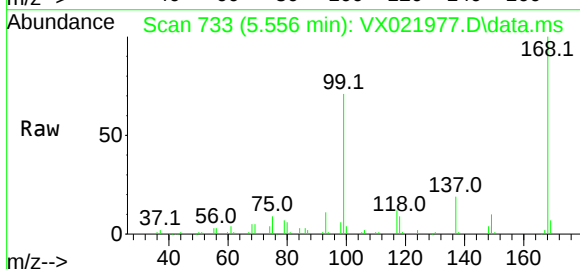
RT: 5.556 min Scan# 733

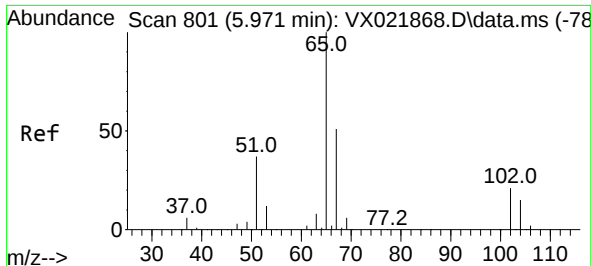
Delta R.T. 0.079 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

Tgt Ion:	56	Resp:	2252
Ion	Ratio	Lower	Upper
56	100		
69	142.3	25.3	37.9#
84	106.1	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 48.56 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

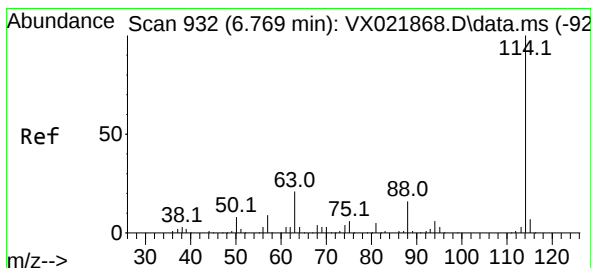
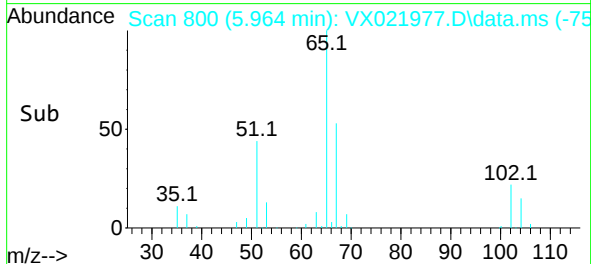
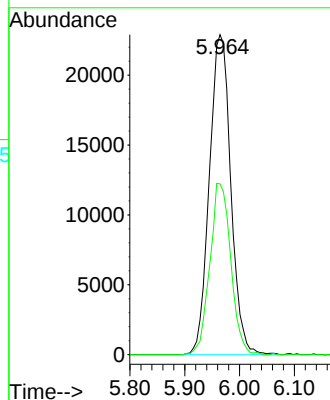
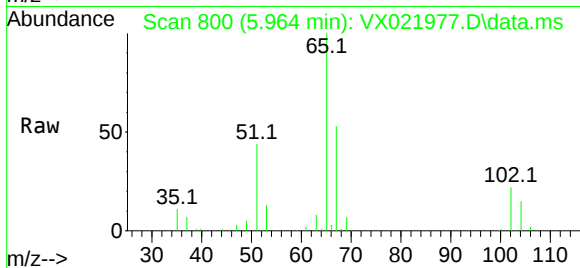
Lab File: VX021977.D

Acq: 13 May 2021 18:59

Tgt Ion: 65 Resp: 62153

Ion Ratio Lower Upper

65	100		
67	52.3	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

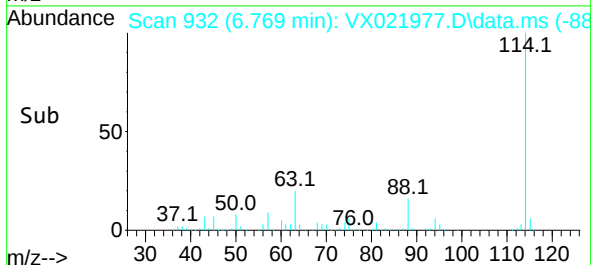
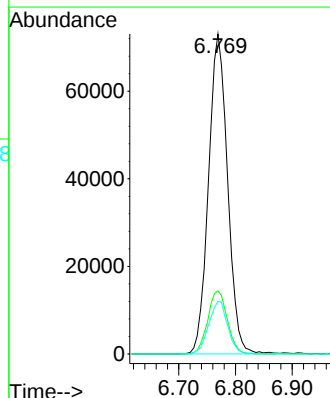
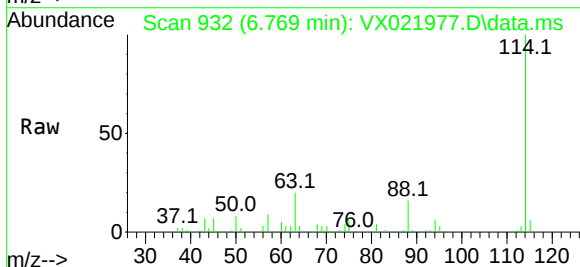
Lab File: VX021977.D

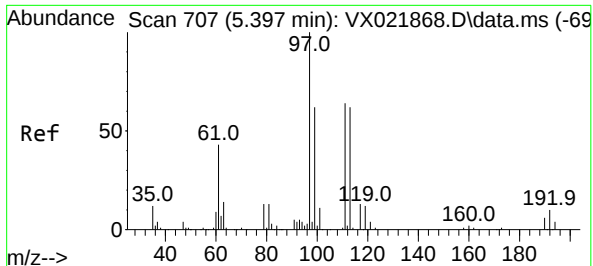
Acq: 13 May 2021 18:59

Tgt Ion: 114 Resp: 170634

Ion Ratio Lower Upper

114	100		
63	19.7	0.0	40.8
88	16.4	0.0	32.8





#35

Dibromofluoromethane

Concen: 47.12 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

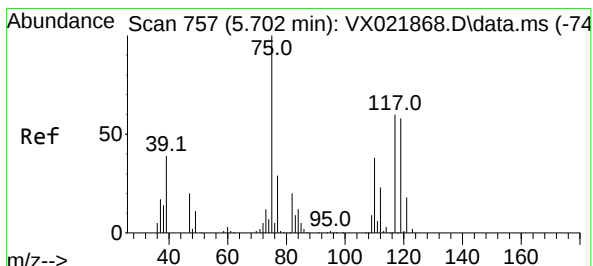
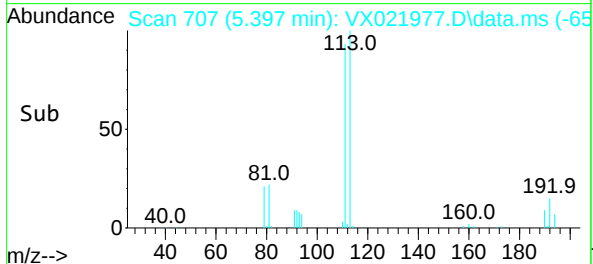
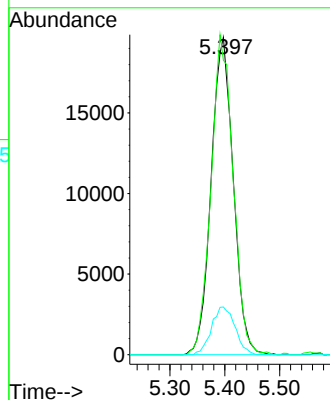
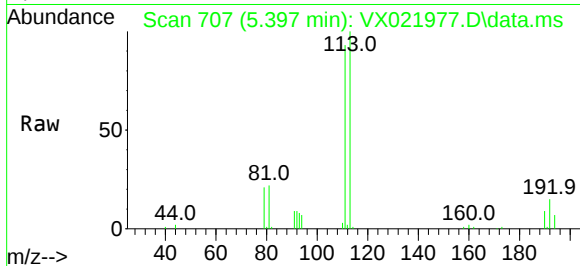
Tgt Ion:113 Resp: 55102

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

192 16.0 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 3.73 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

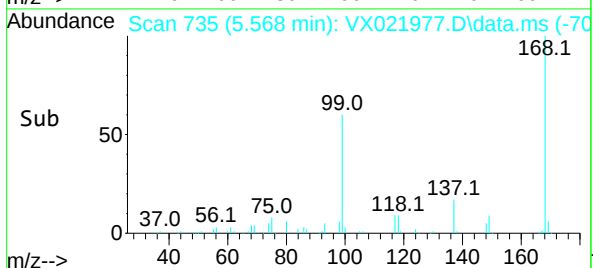
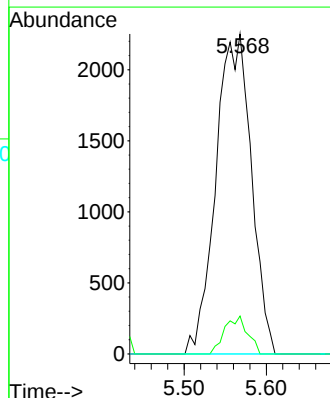
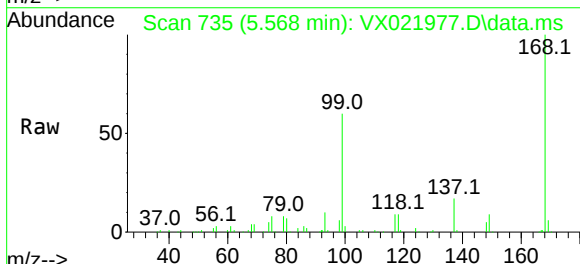
Tgt Ion: 75 Resp: 6742

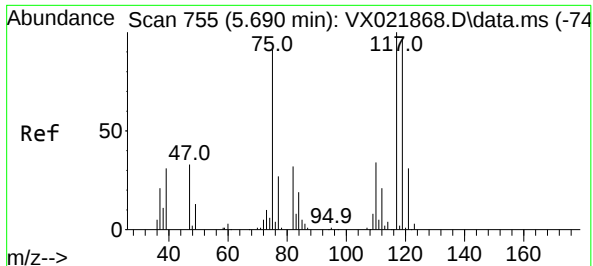
Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.4#

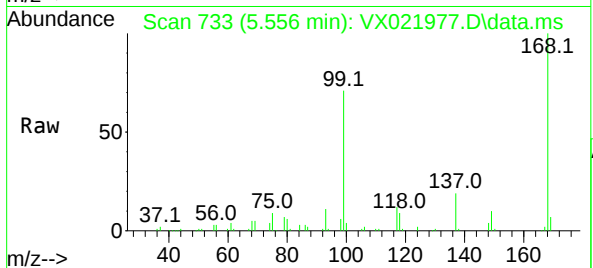
77 0.0 25.3 37.9#



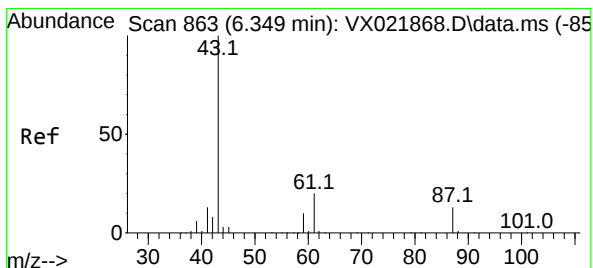
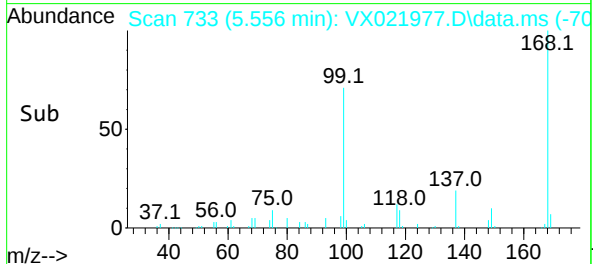
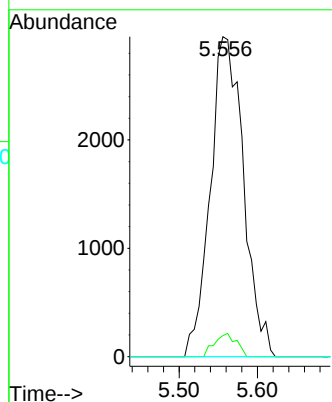


#38
Carbon Tetrachloride
Concen: 4.80 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

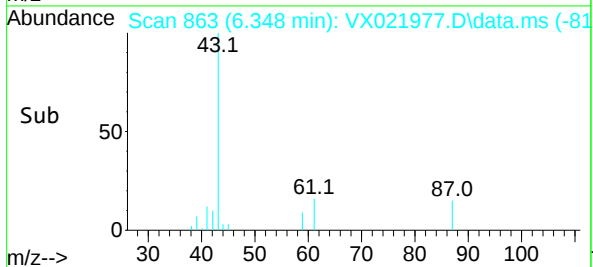
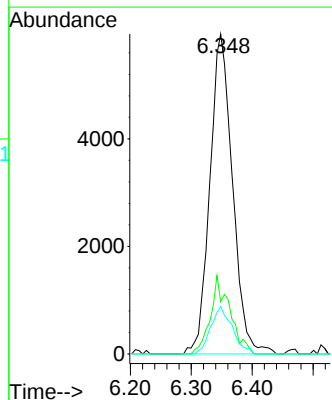
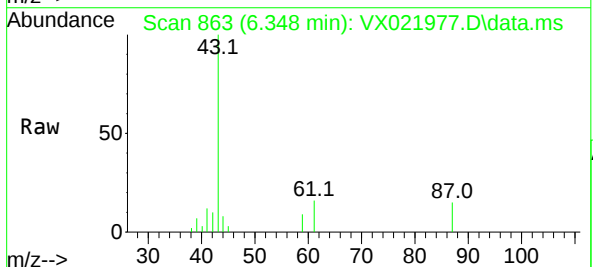


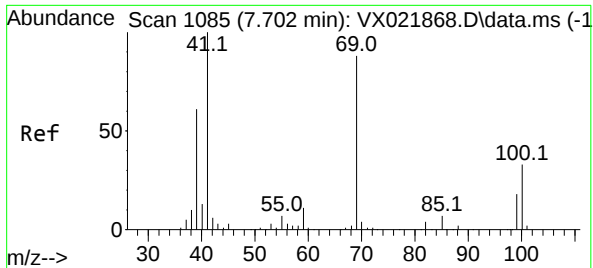
Tgt Ion: 117 Resp: 8678
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.16 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 43 Resp: 15377
Ion Ratio Lower Upper
43 100
61 21.1 18.2 27.4
87 14.0 12.5 18.7





#48

Methyl methacrylate

Concen: 2.42 ug/l

RT: 7.598 min Scan# 1068

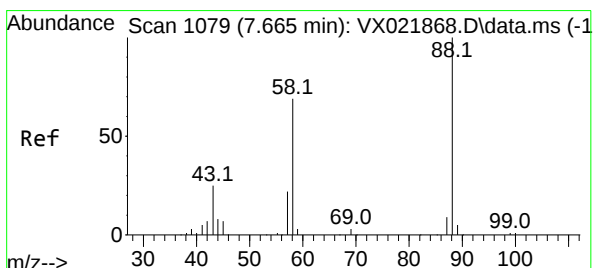
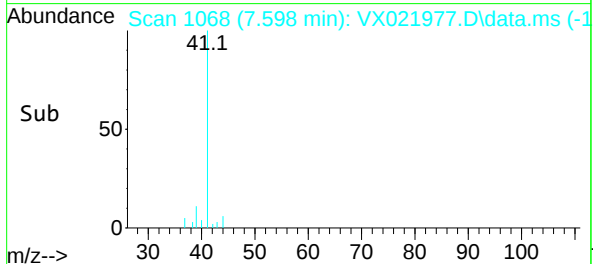
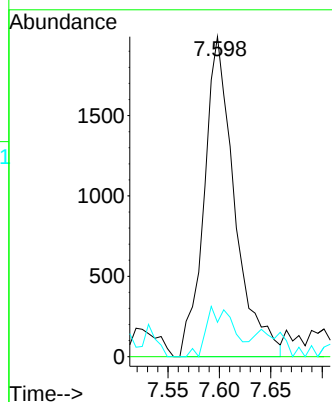
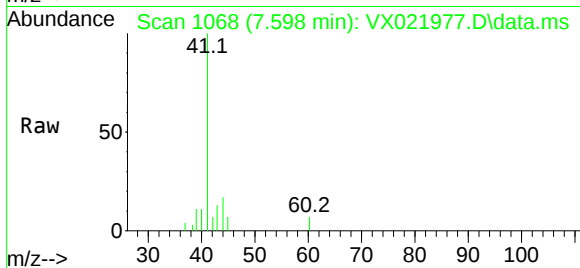
Delta R.T. -0.104 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

Tgt Ion:	41	Resp:	4110
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03



#49

1,4-Dioxane

Concen: 0.81 ug/l

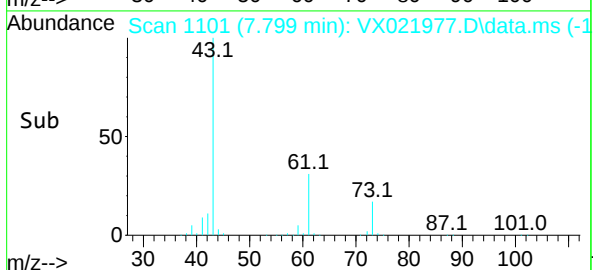
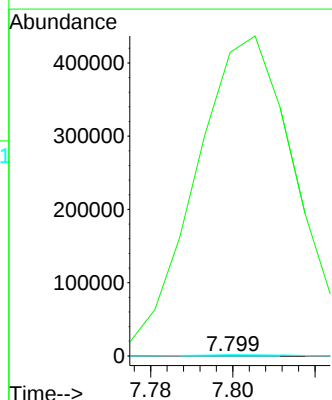
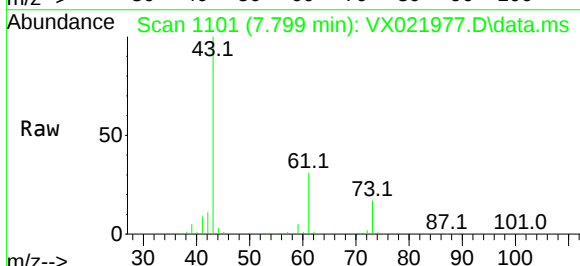
RT: 7.799 min Scan# 1101

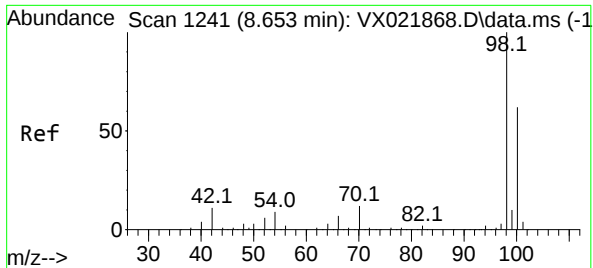
Delta R.T. 0.134 min

Lab File: VX021977.D

Acq: 13 May 2021 18:59

Tgt Ion:	88	Resp:	29
Ion	Ratio	Lower	Upper
88	100		
43	2630027.6	23.2	34.8#
58	9544.8	55.0	82.4#

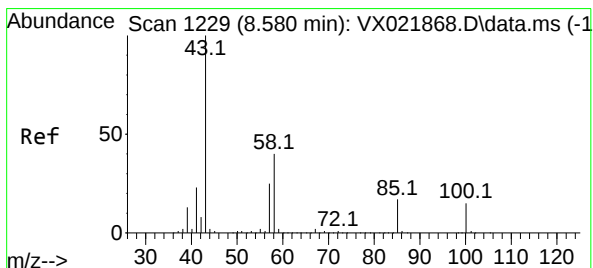
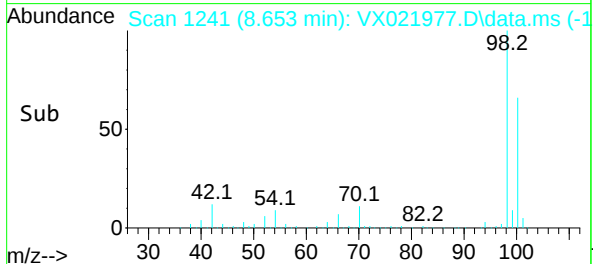
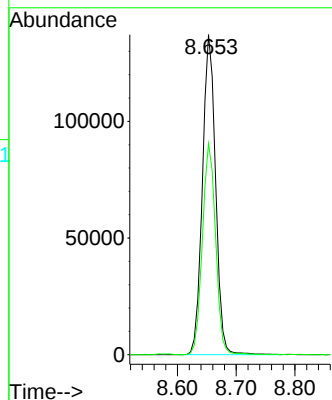
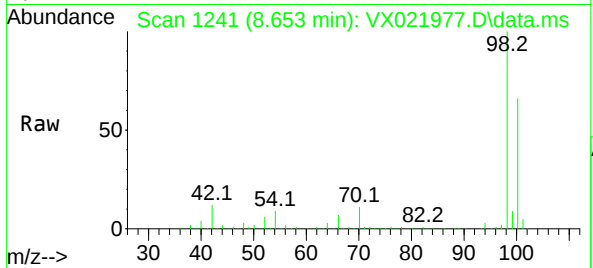




#50
Toluene-d8
Concen: 47.85 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

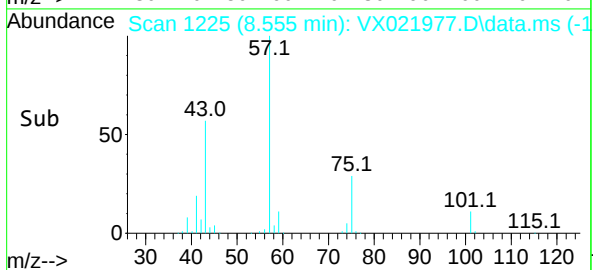
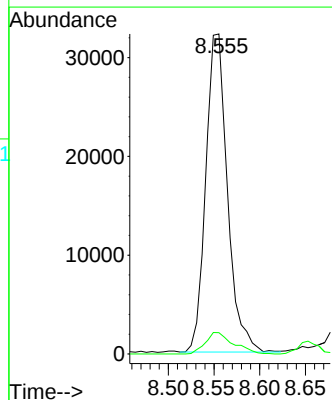
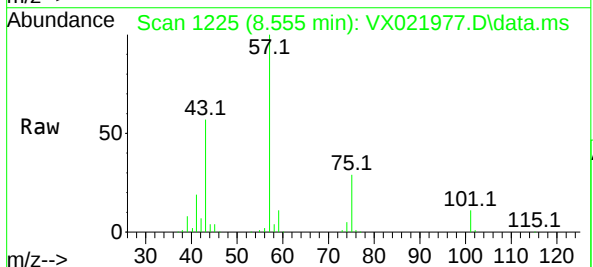
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

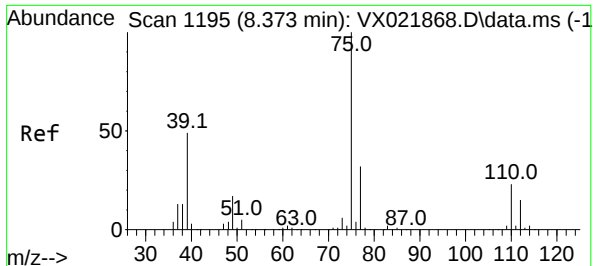
Tgt Ion: 98 Resp: 213539
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 23.06 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 43 Resp: 53081
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

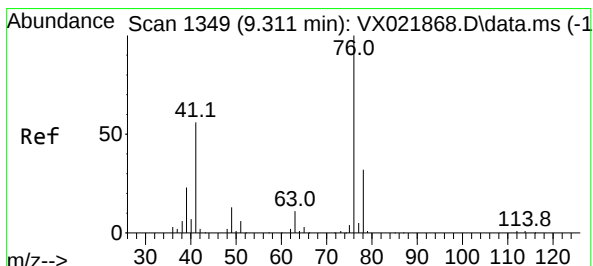
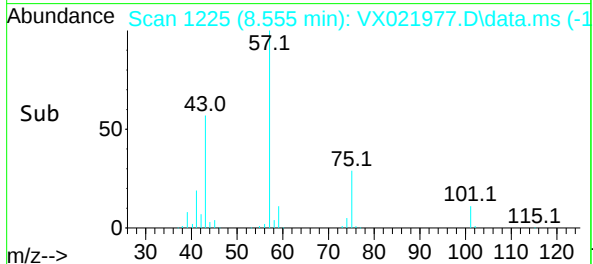
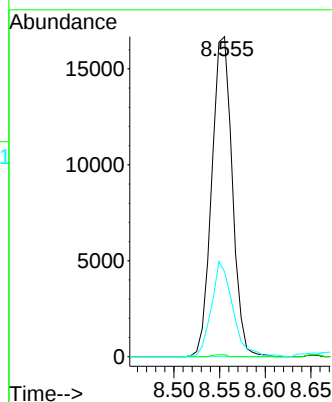
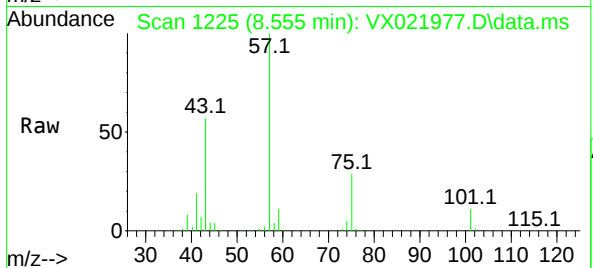




#54
cis-1,3-Dichloropropene
Concen: 10.95 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

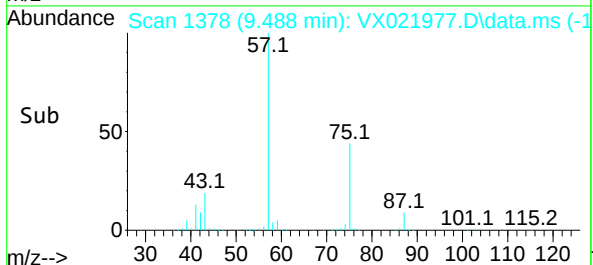
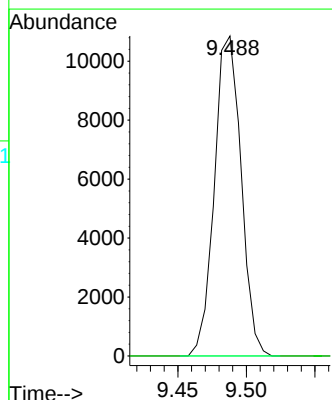
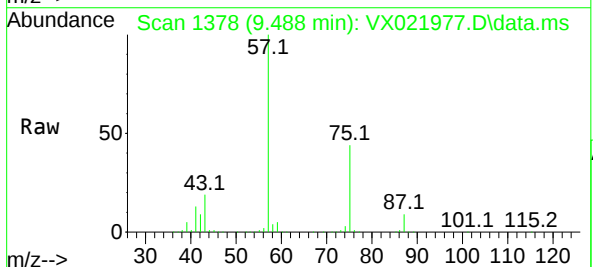
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

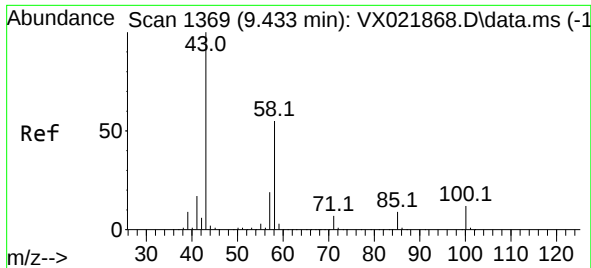
Tgt Ion: 75 Resp: 26020
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 26.2 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.18 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 76 Resp: 14696
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

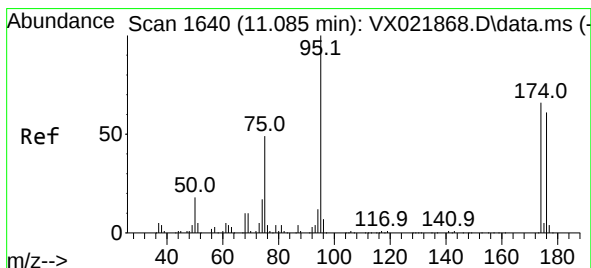
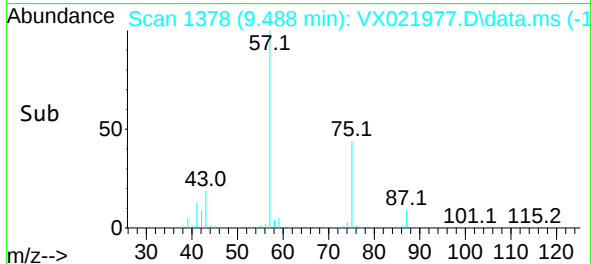
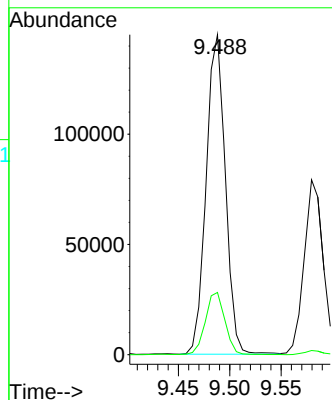
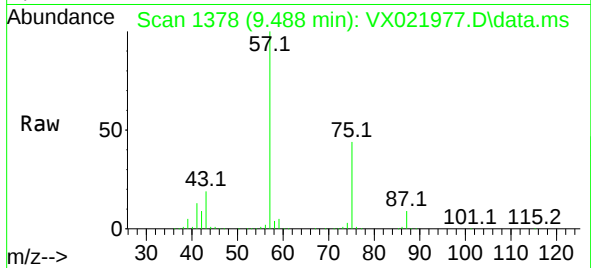




#59
2-Hexanone
Concen: 106.35 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

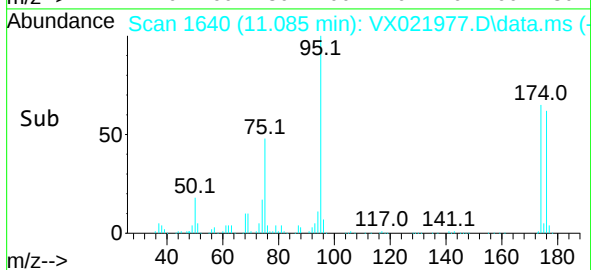
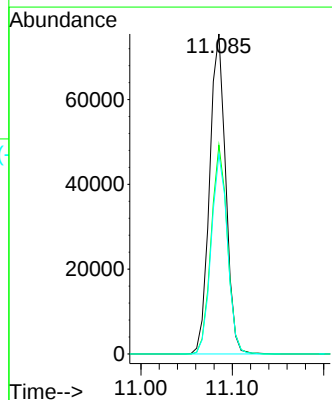
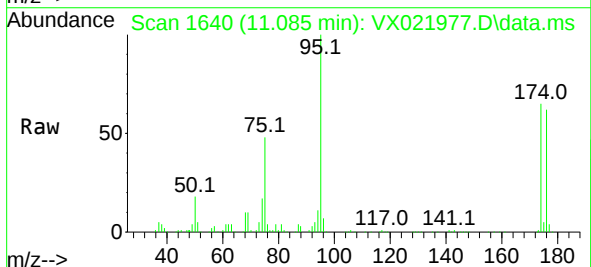
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

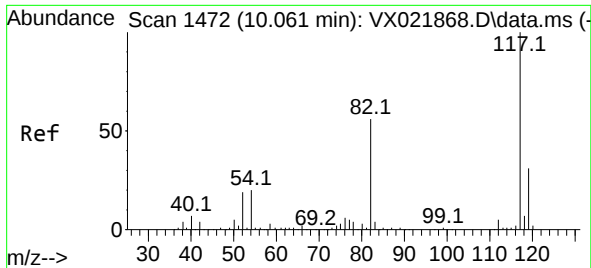
Tgt Ion: 43 Resp: 188540
Ion Ratio Lower Upper
43 100
58 19.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.27 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 95 Resp: 92049
Ion Ratio Lower Upper
95 100
174 65.8 0.0 154.6
176 63.2 0.0 155.8

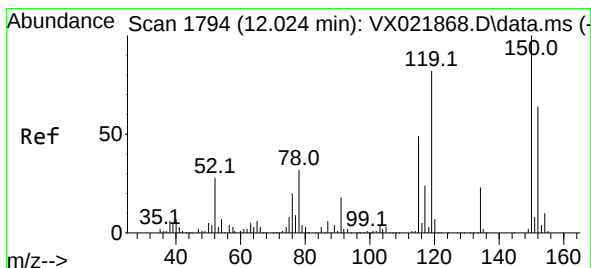
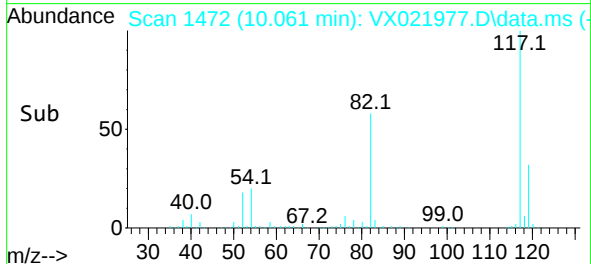
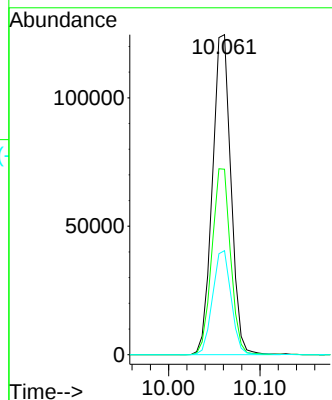
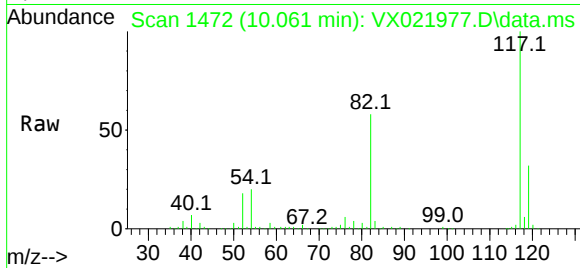




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

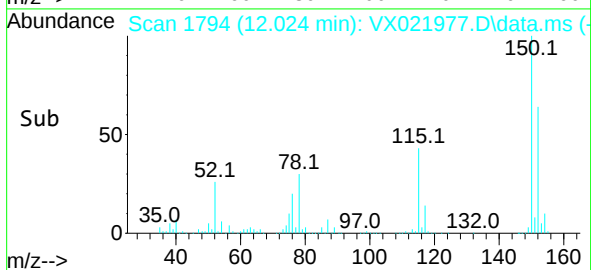
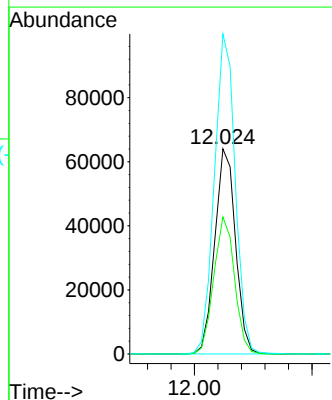
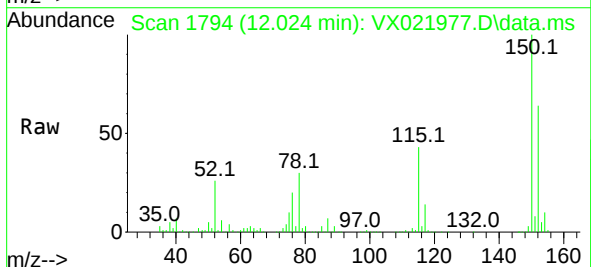
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

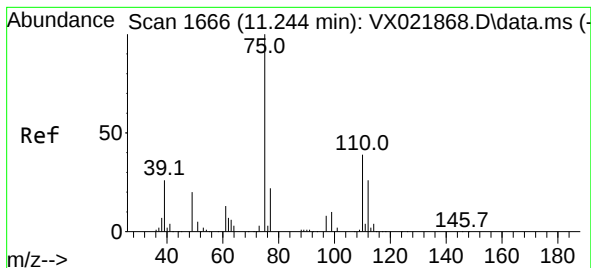
Tgt Ion:117 Resp: 175430
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion:152 Resp: 78526
Ion Ratio Lower Upper
152 100
115 66.8 41.1 123.3
150 156.7 0.0 349.0

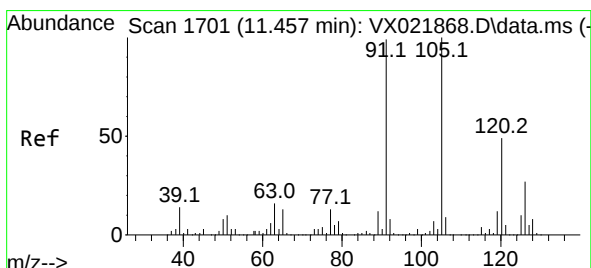
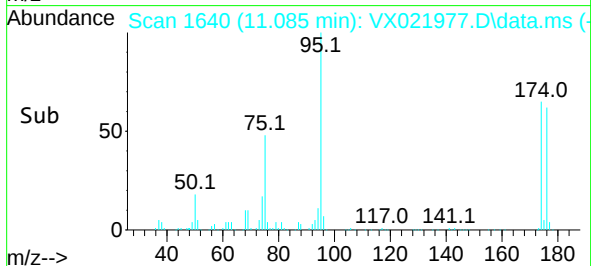
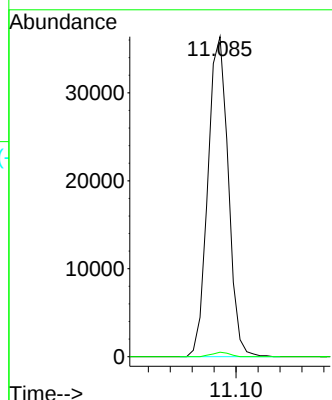
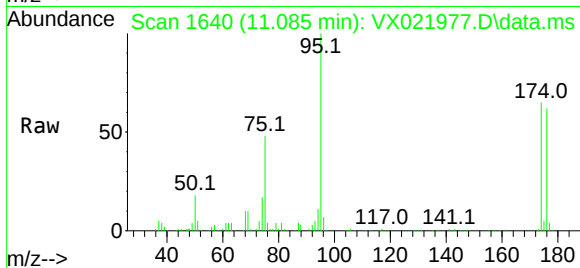




#76
1,2,3-Trichloropropane
Concen: 21.02 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

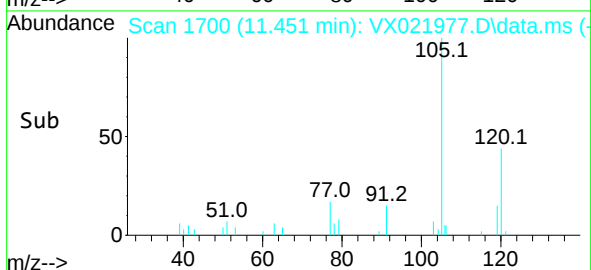
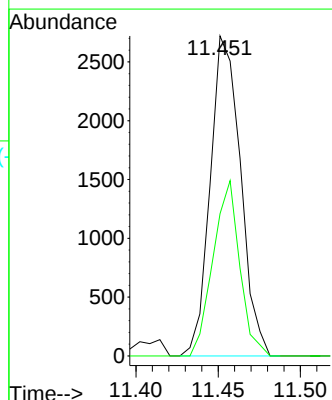
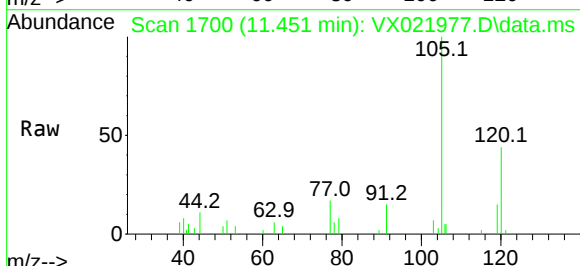
Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

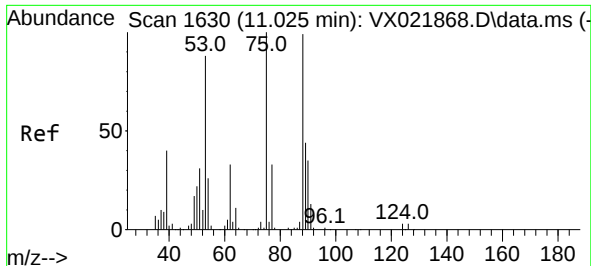
Tgt Ion: 75 Resp: 46931
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.57 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 105 Resp: 3484
Ion Ratio Lower Upper
105 100
120 48.1 23.8 71.5

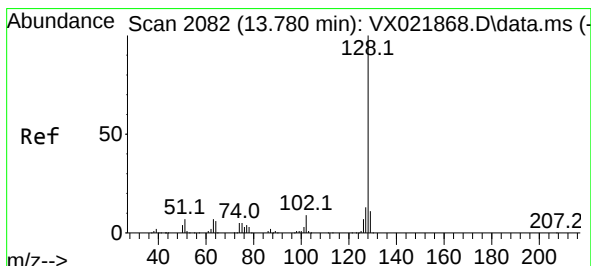
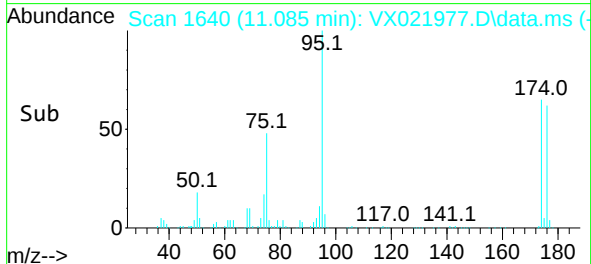
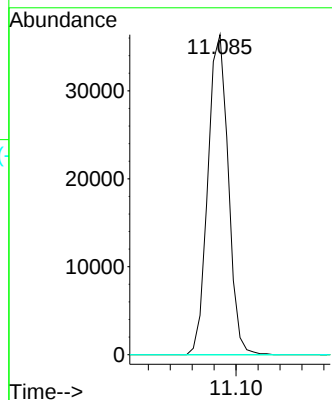
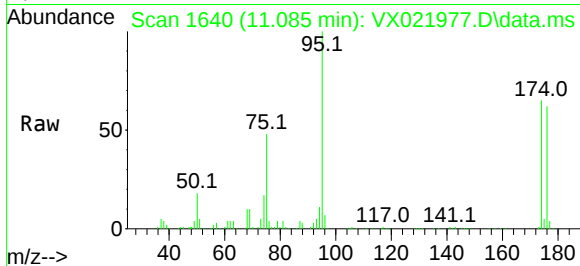




#81
trans-1,4-Dichloro-2-butene
Concen: 48.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Instrument :
MSVOA_X
ClientSampleId :
PB136362ZHE#03

Tgt Ion: 75 Resp: 46931
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.46 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX021977.D
Acq: 13 May 2021 18:59

Tgt Ion: 128 Resp: 3252
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 11.9 8.8 13.2

