

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026759.D
 Acq On : 03 Feb 2022 15:39
 Operator : JC/MD
 Sample : PB142440ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440ZHE#02

Quant Time: Feb 04 02:33:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

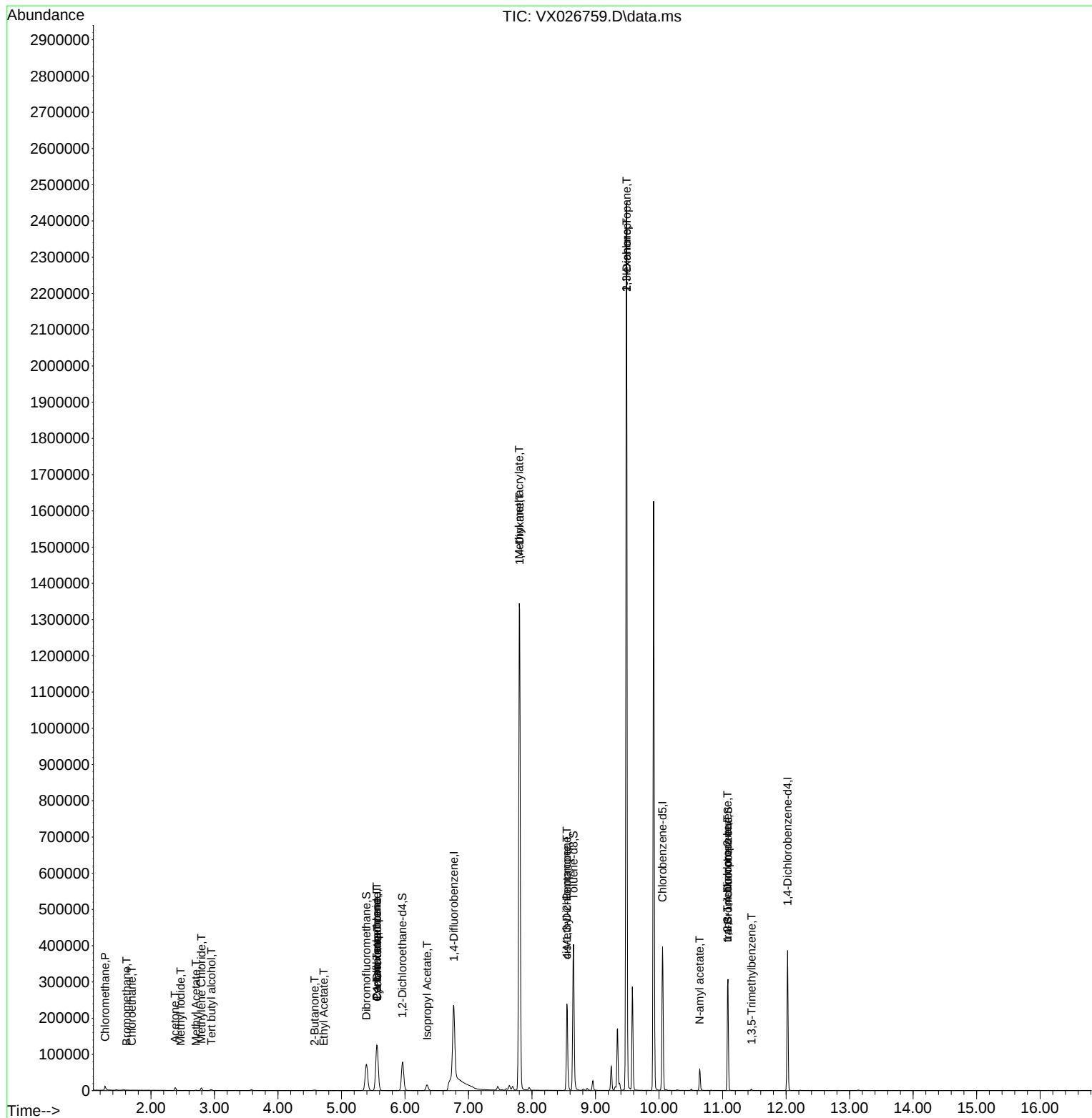
Internal Standards						
1) Pentafluorobenzene	5.556	168	120674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	204602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77329	45.873	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.740%		
35) Dibromofluoromethane	5.391	113	63765	48.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	8.653	98	233468	49.035	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.085	95	82872	48.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.000%		
Target Compounds						Qvalue
3) Chloromethane	1.276	50	392	0.300	ug/l #	42
5) Bromomethane	1.618	94	179	0.283	ug/l	84
6) Chloroethane	1.697	64	171	0.247	ug/l #	43
10) Methyl Iodide	2.465	142	238	4.598	ug/l #	89
11) Tert butyl alcohol	2.953	59	1656	7.062	ug/l #	75
16) Acetone	2.380	43	8802	10.239	ug/l	99
18) Methyl Acetate	2.709	43	1735	1.015	ug/l #	86
20) Methylene Chloride	2.794	84	3177	2.237	ug/l	94
25) 2-Butanone	4.574	43	1711	1.530	ug/l #	89
31) Cyclohexane	5.562	56	2425	0.975	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	9051	4.339	ug/l #	50
37) Ethyl Acetate	4.721	43	476	0.226	ug/l #	69
38) Carbon Tetrachloride	5.556	117	12170	5.672	ug/l #	16
43) Isopropyl Acetate	6.348	43	22108	6.487	ug/l	98
48) Methyl methacrylate	7.799	41	115315	68.271	ug/l #	45
49) 1,4-Dioxane	7.805	88	197	7.107	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79357	39.255	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	37470	17.020	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	21953	9.178	ug/l #	43
59) 2-Hexanone	9.488	43	299287	193.431	ug/l #	52
74) N-amyl acetate	10.640	43	14451	5.906	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	41132	24.160	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.457	105	1787	0.342	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	41132	73.603	ug/l #	3

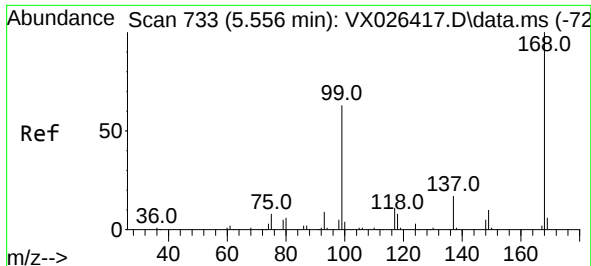
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Feb 04 02:33:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration

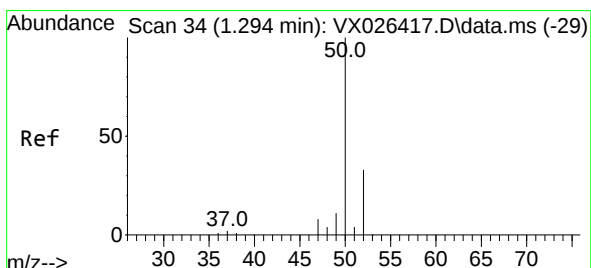
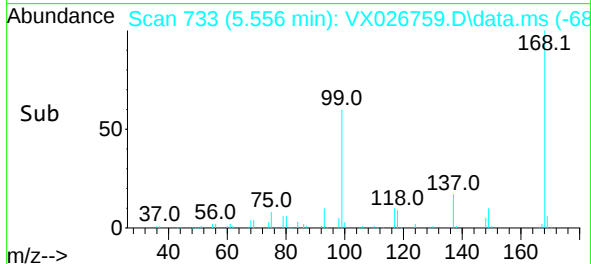
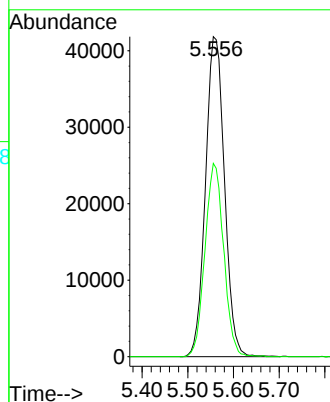
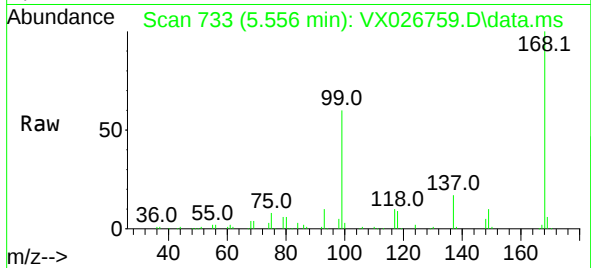




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

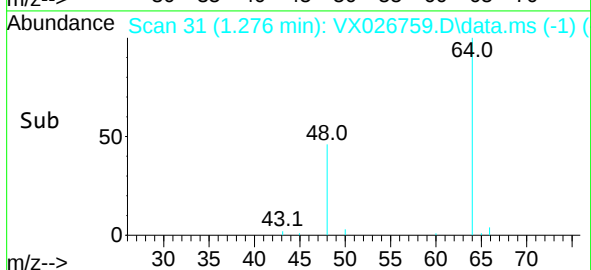
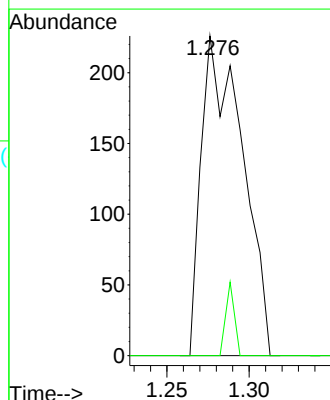
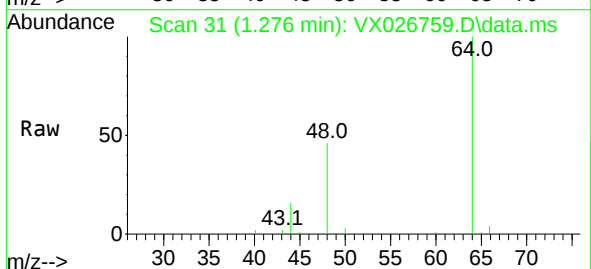
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

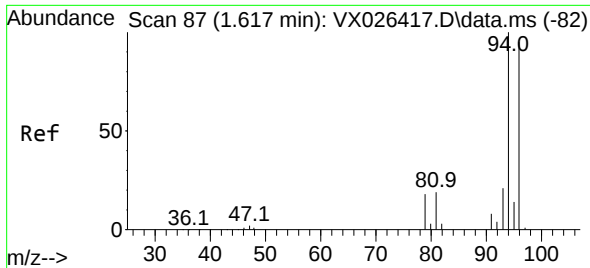
Tgt Ion:168 Resp: 120674
Ion Ratio Lower Upper
168 100
99 60.4 50.3 75.5



#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 50 Resp: 392
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

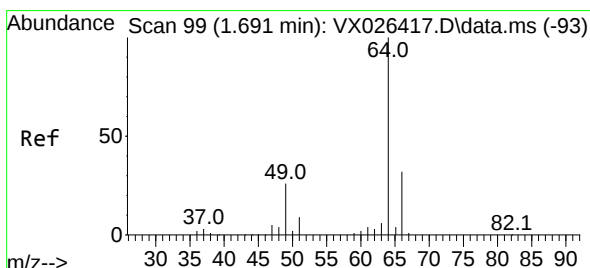
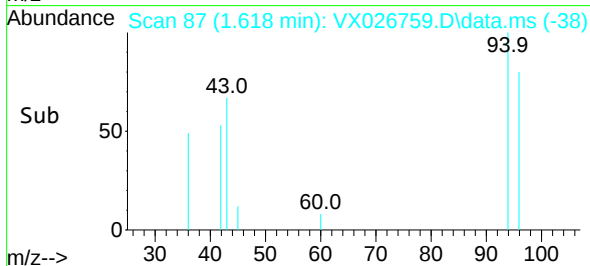
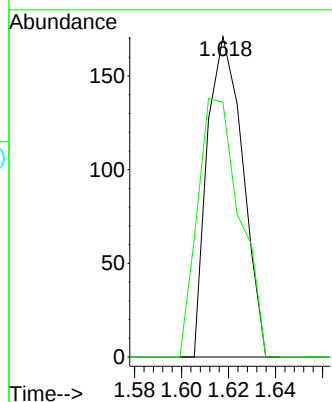
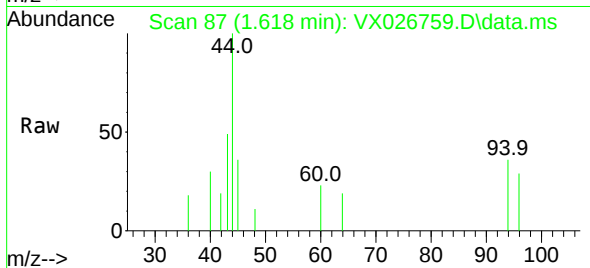




#5
Bromomethane
Concen: 0.283 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

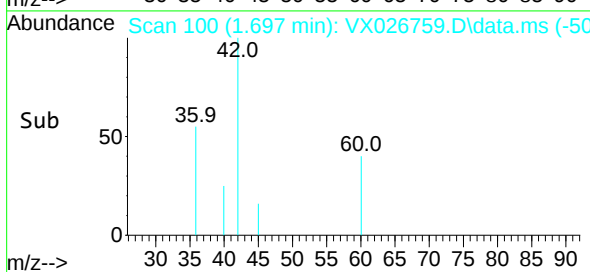
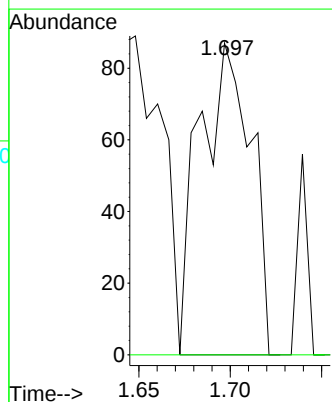
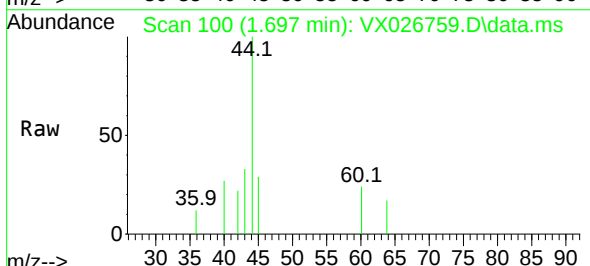
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

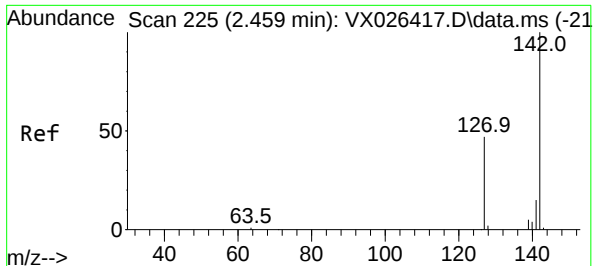
Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 79.5 75.9 113.9



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

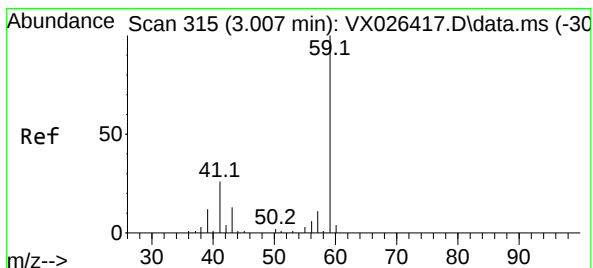
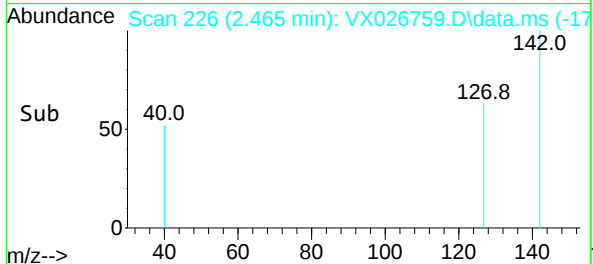
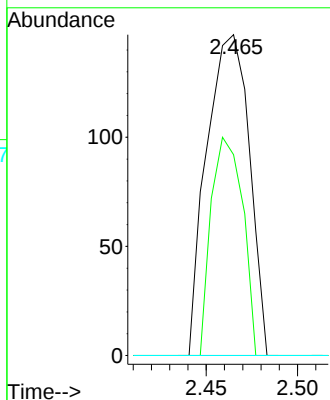
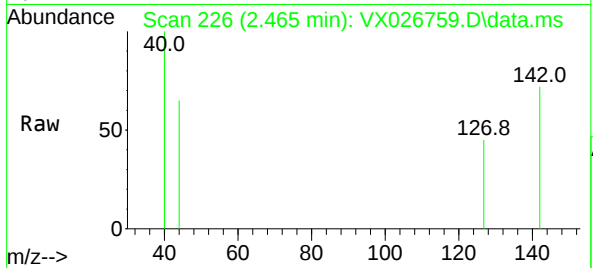




#10
Methyl Iodide
Concen: 4.598 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

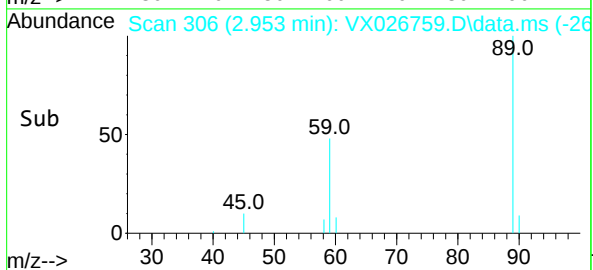
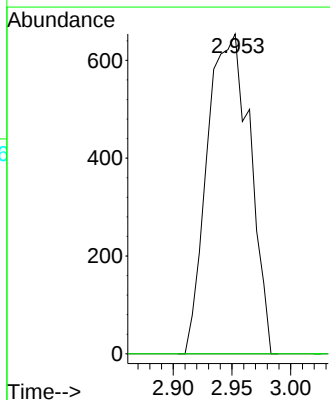
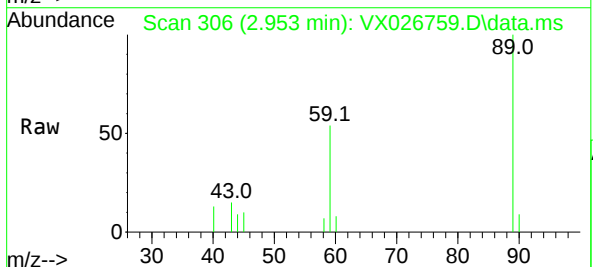
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

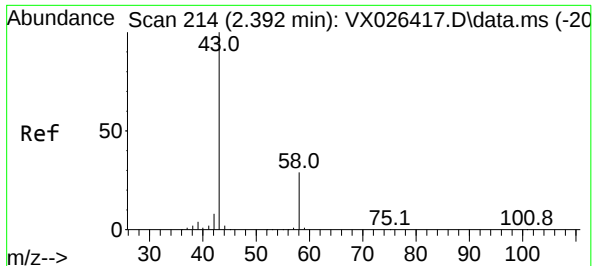
Tgt Ion:142 Resp: 238
Ion Ratio Lower Upper
142 100
127 50.4 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 7.062 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.054 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 59 Resp: 1656
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

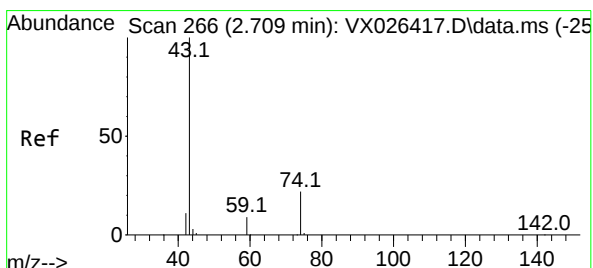
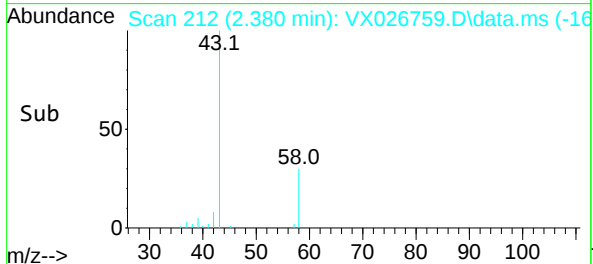
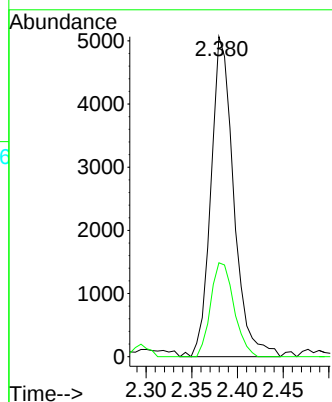
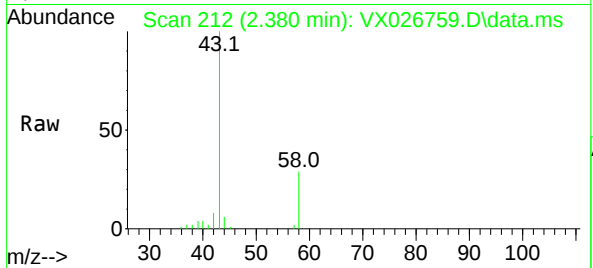




#16
Acetone
Concen: 10.239 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

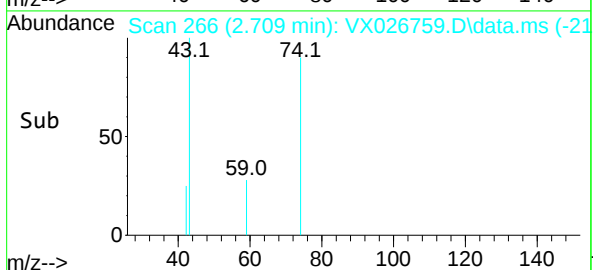
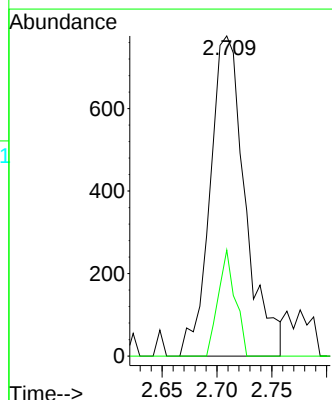
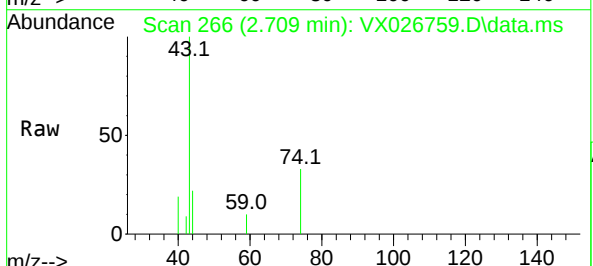
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

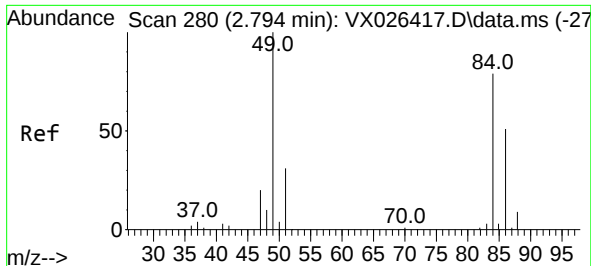
Tgt Ion: 43 Resp: 8802
Ion Ratio Lower Upper
43 100
58 29.3 23.0 34.6



#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

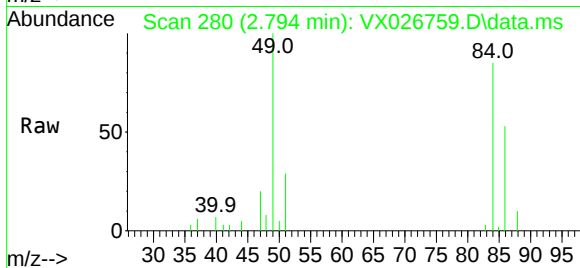
Tgt Ion: 43 Resp: 1735
Ion Ratio Lower Upper
43 100
74 16.0 18.3 27.5#



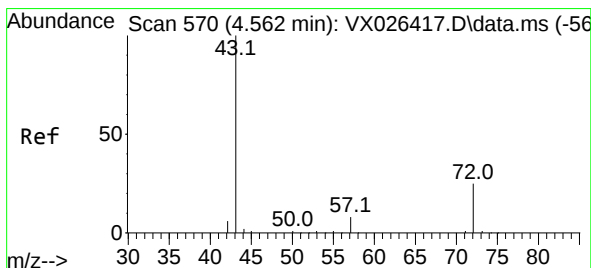
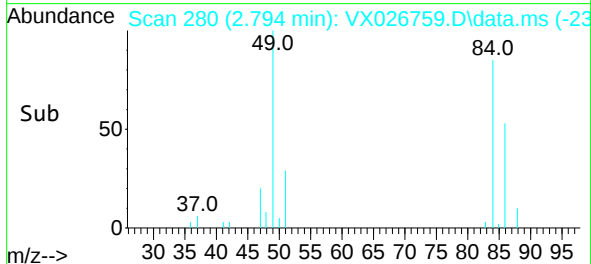
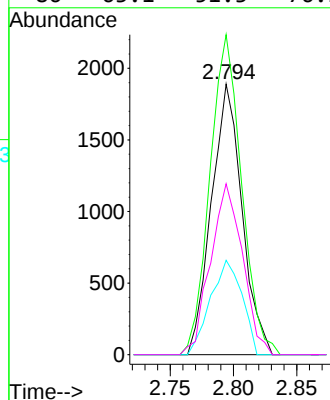


#20
Methylene Chloride
Concen: 2.237 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

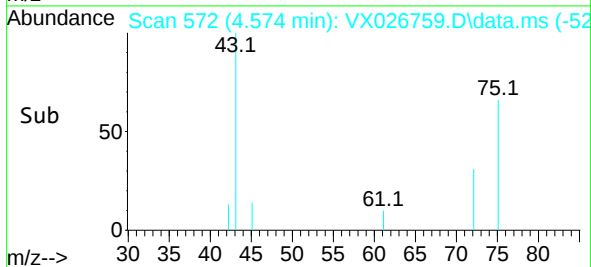
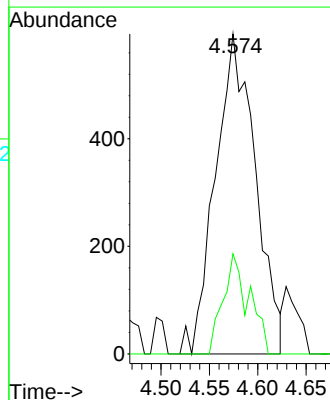
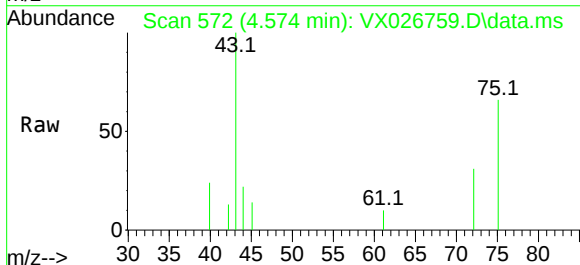


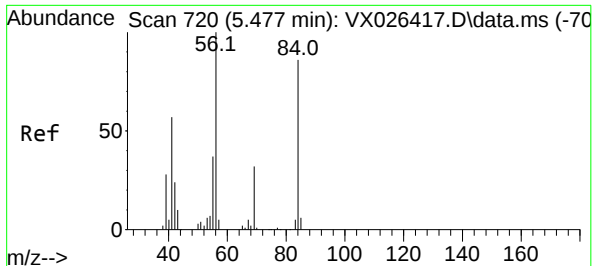
Tgt Ion: 84	Resp: 3177
Ion Ratio	Lower Upper
84 100	
49 118.3	101.5 152.3
51 34.9	31.2 46.8
86 63.1	51.3 76.9



#25
2-Butanone
Concen: 1.530 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

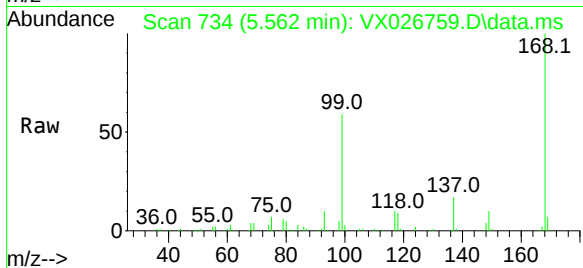
Tgt Ion: 43	Resp: 1711
Ion Ratio	Lower Upper
43 100	
72 31.3	20.4 30.6#



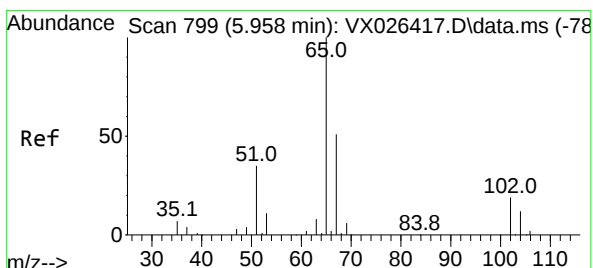
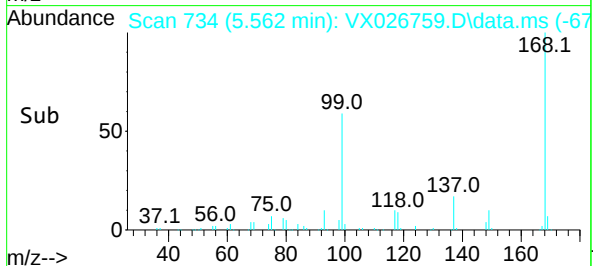
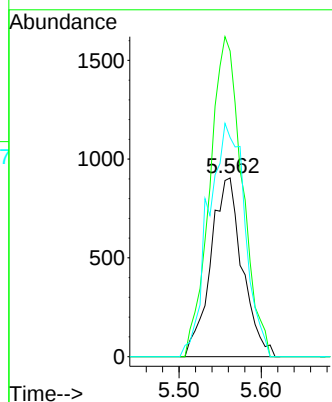


#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Instrument :
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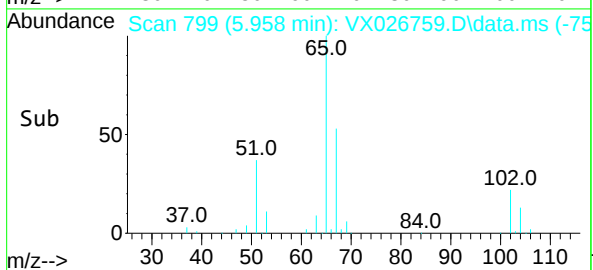
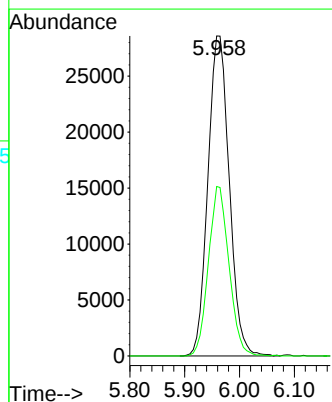
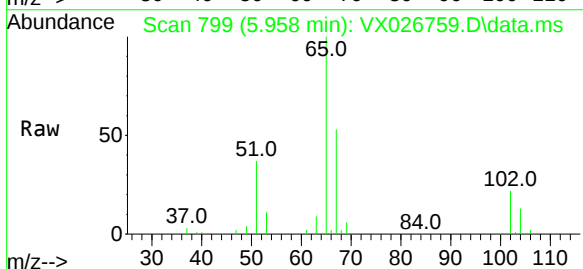


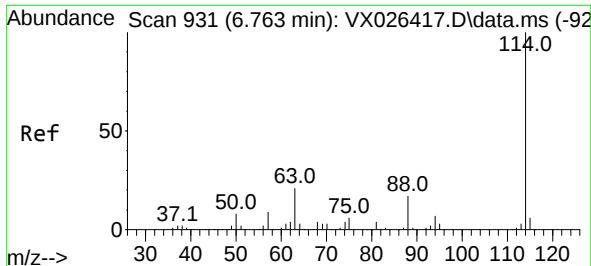
Tgt Ion: 56 Resp: 2425
Ion Ratio Lower Upper
56 100
69 170.9 25.8 38.6#
84 122.7 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.873 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 65 Resp: 77329
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.8

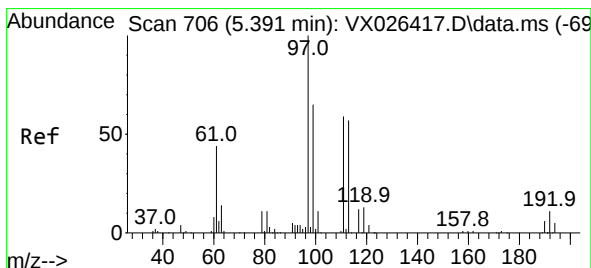
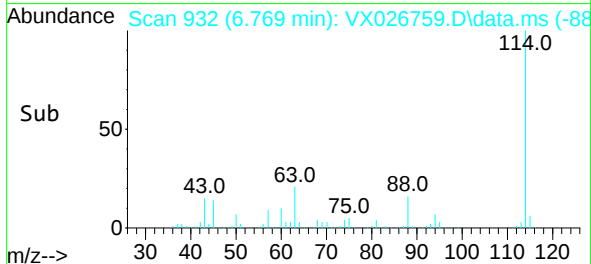
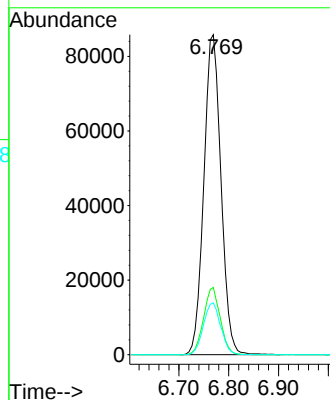
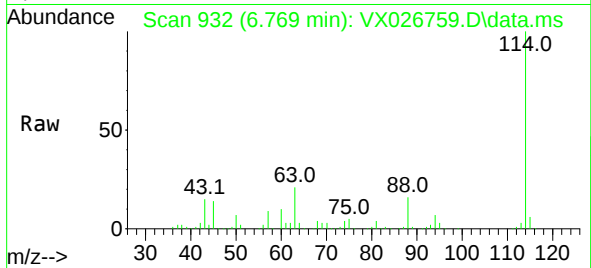




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

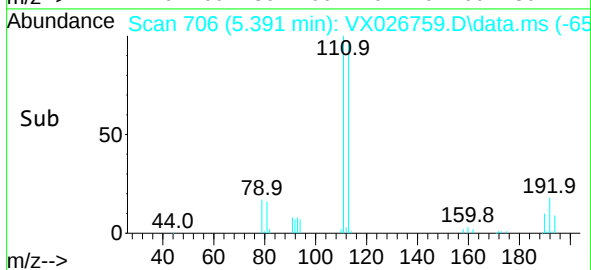
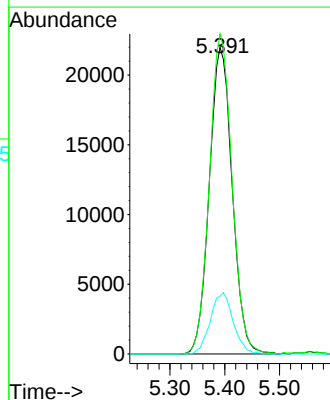
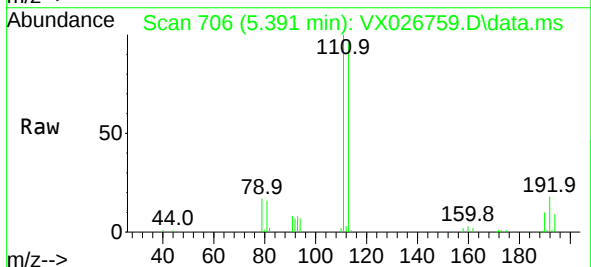
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

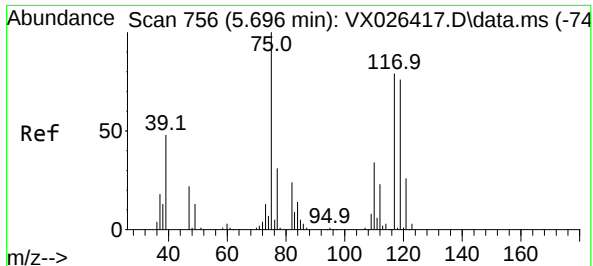
Tgt Ion:114 Resp: 204602
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.8
88 16.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.261 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

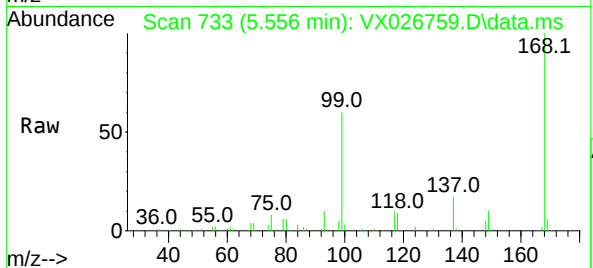
Tgt Ion:113 Resp: 63765
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 20.0 15.0 22.4



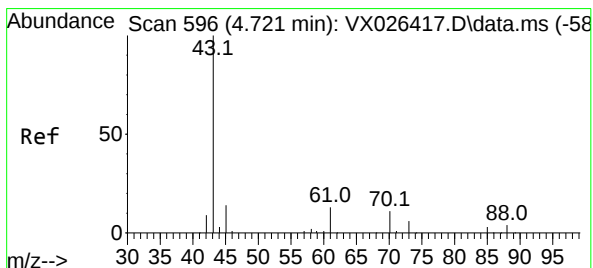
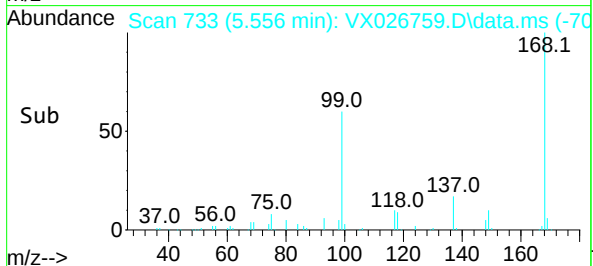
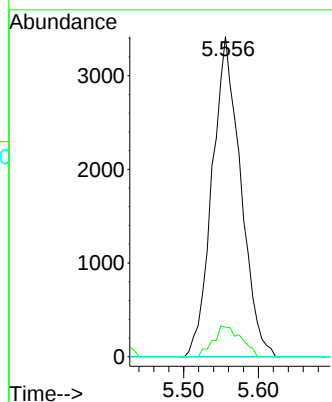


#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

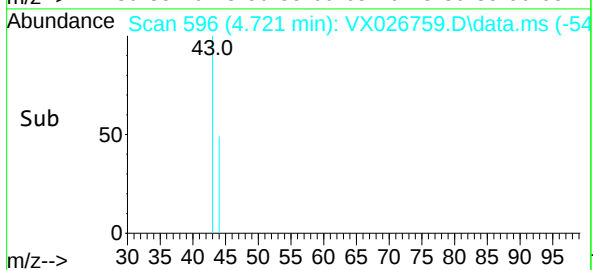
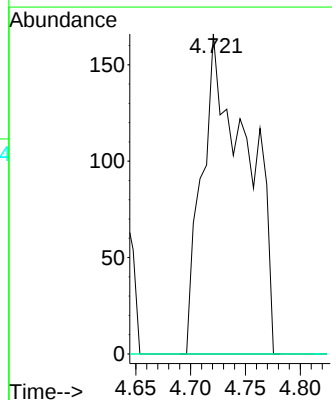
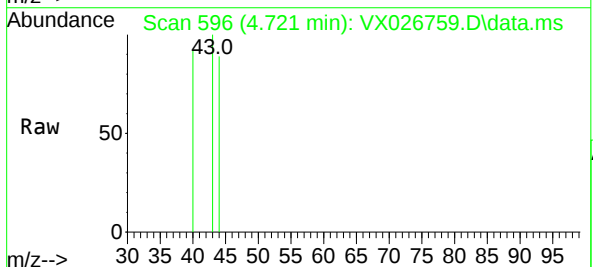


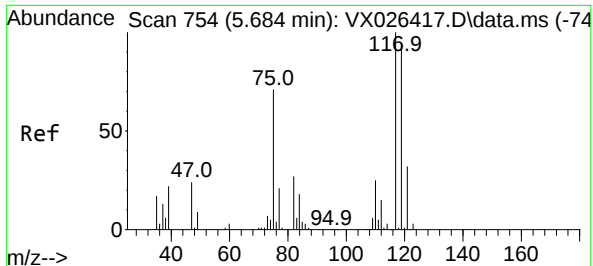
Tgt Ion: 75 Resp: 9051
Ion Ratio Lower Upper
75 100
110 9.2 17.2 51.6#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 0.226 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

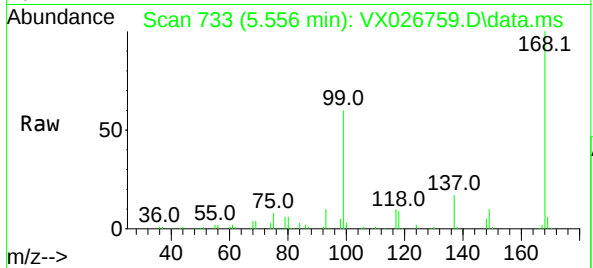
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.5 12.7#



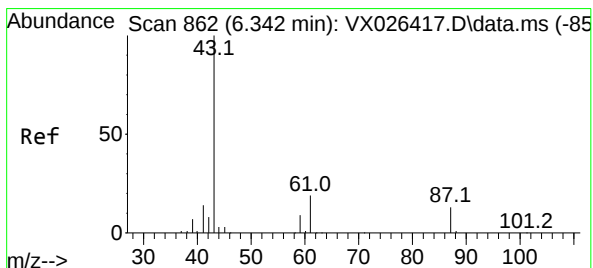
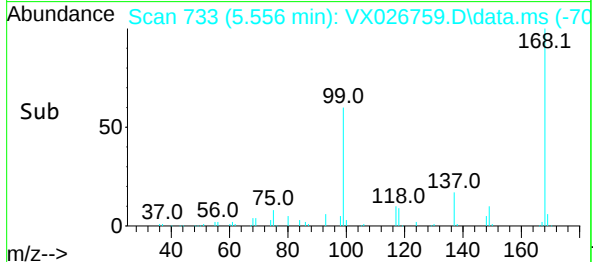
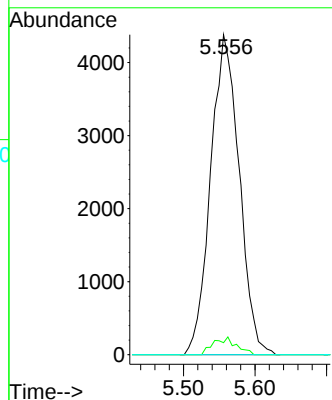


#38
Carbon Tetrachloride
Concen: 5.672 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

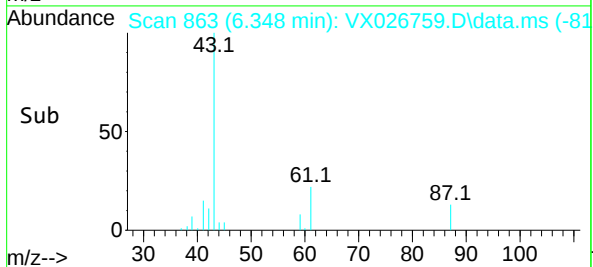
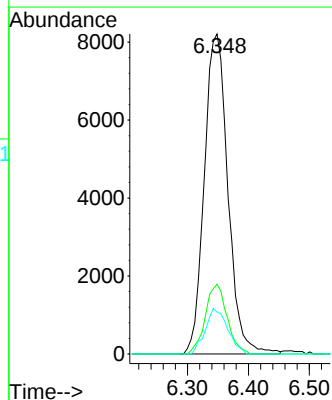
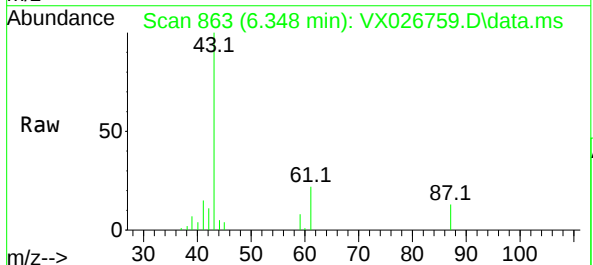


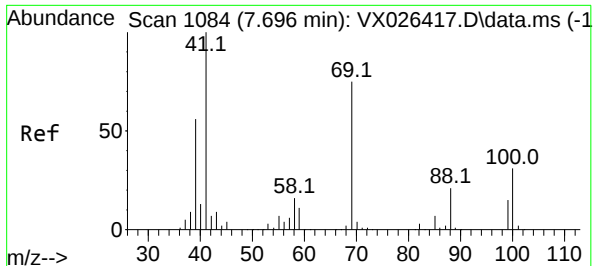
Tgt Ion:117 Resp: 12170
Ion Ratio Lower Upper
117 100
119 3.8 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 6.487 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 43 Resp: 22108
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.4 10.2 15.2

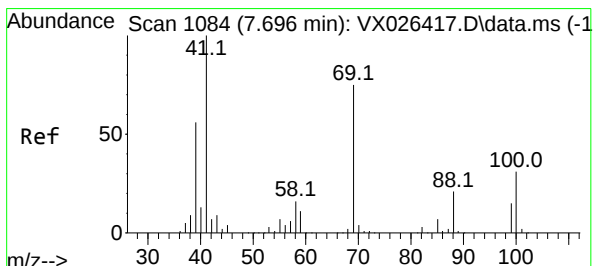
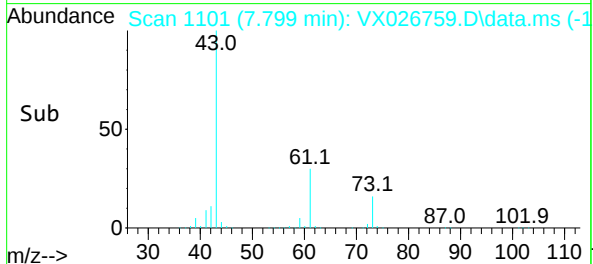
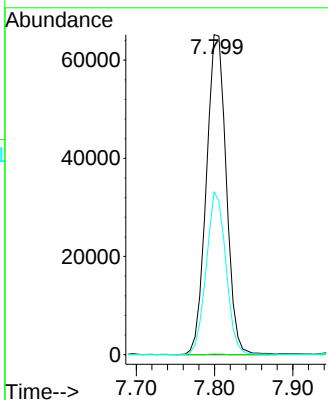
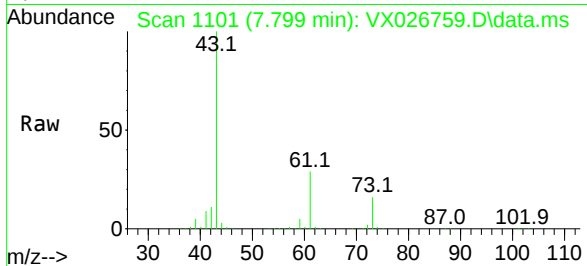




#48
Methyl methacrylate
Concen: 68.271 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

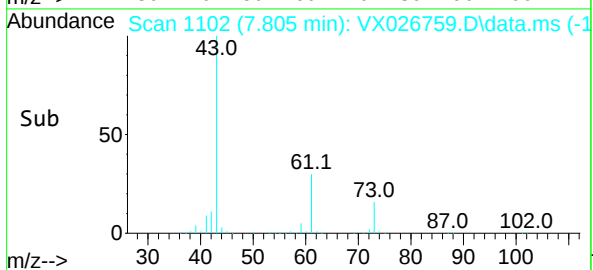
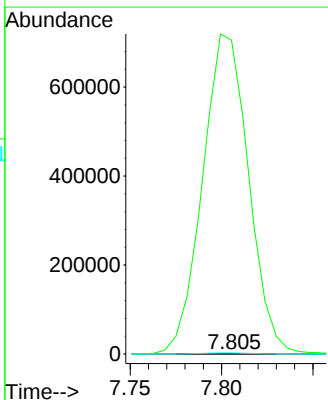
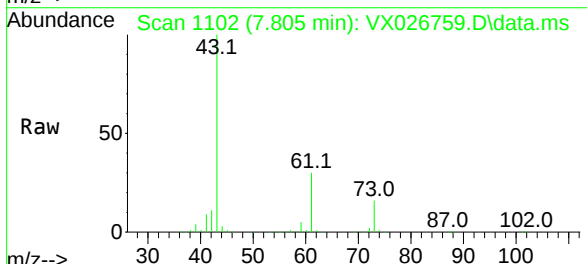
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

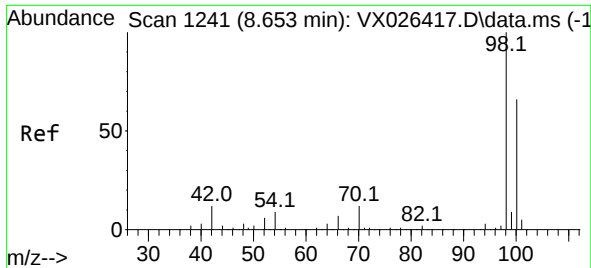
Tgt Ion: 41 Resp: 115315
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 50.1 45.4 68.0



#49
1,4-Dioxane
Concen: 7.107 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 641924.9 29.9 44.9#
58 2333.0 57.8 86.6#

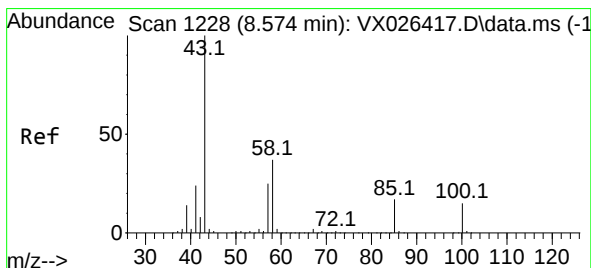
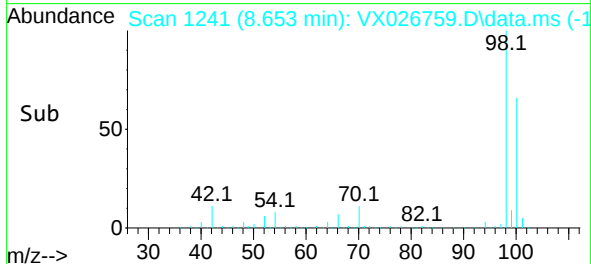
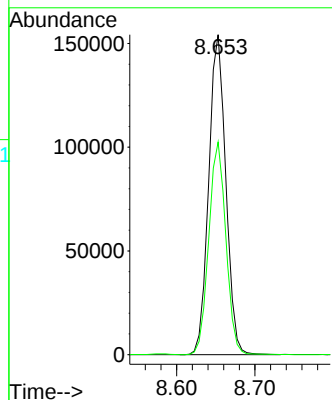
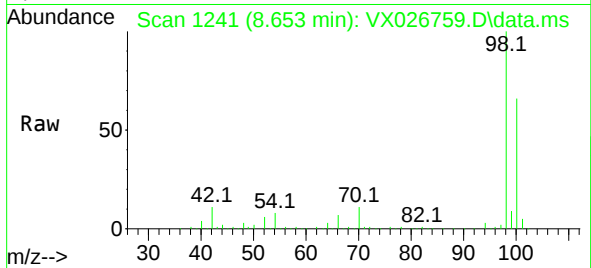




#50
Toluene-d8
Concen: 49.035 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

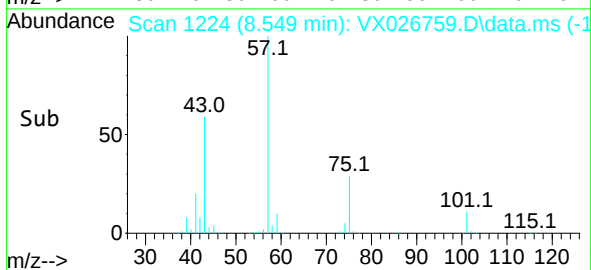
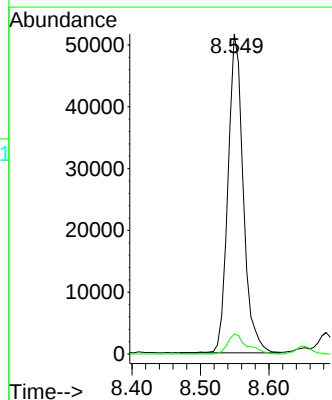
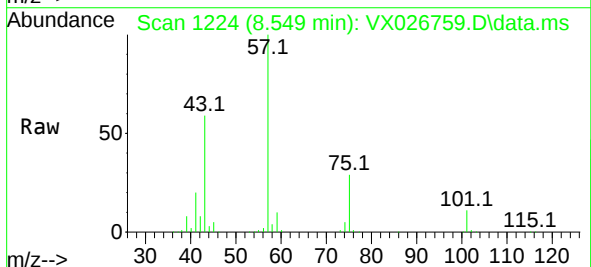
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

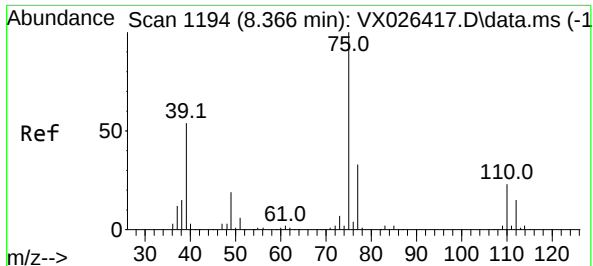
Tgt Ion: 98 Resp: 233468
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 39.255 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion: 43 Resp: 79357
Ion Ratio Lower Upper
43 100
58 7.8 30.5 45.7#

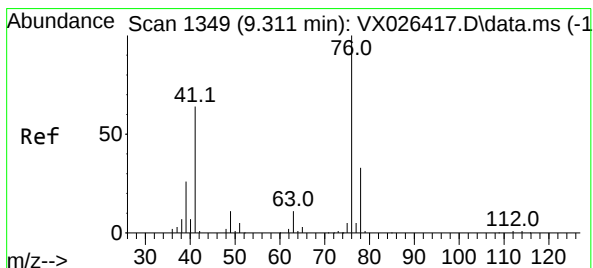
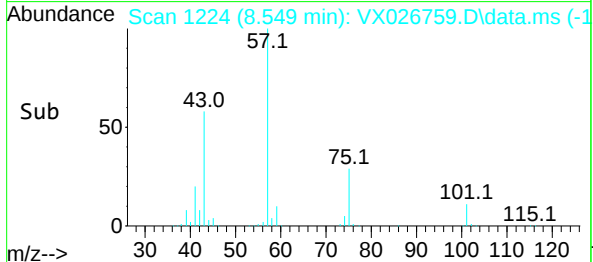
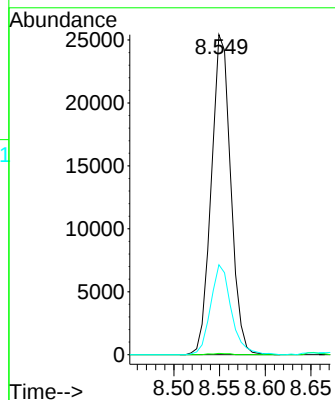
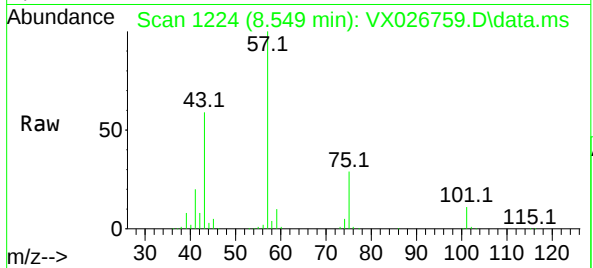




#54
 cis-1,3-Dichloropropene
 Concen: 17.020 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026759.D
 Acq: 03 Feb 2022 15:39

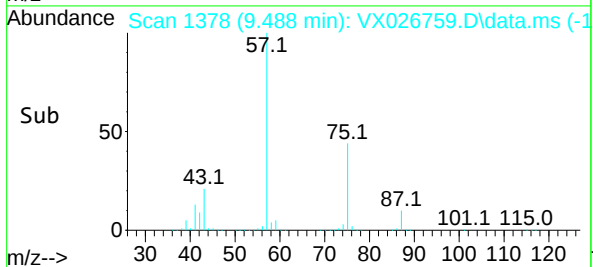
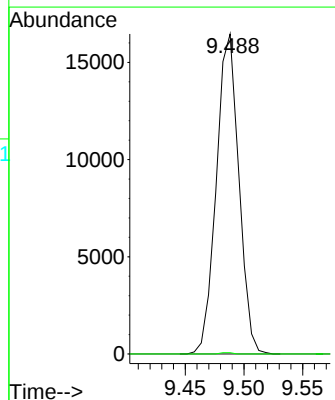
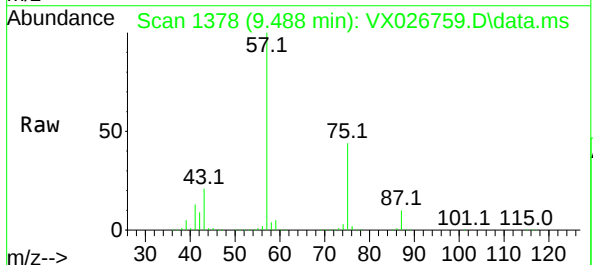
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142440ZHE#02

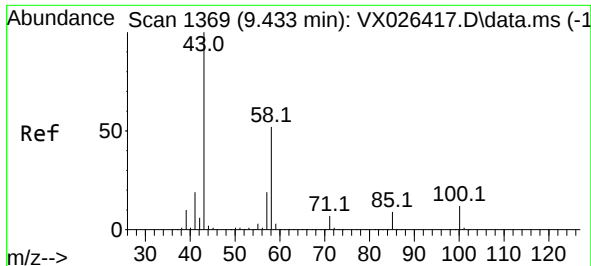
Tgt Ion: 75 Resp: 37470
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.2 39.2#
 39 28.1 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 9.178 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026759.D
 Acq: 03 Feb 2022 15:39

Tgt Ion: 76 Resp: 21953
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#





#59

2-Hexanone

Concen: 193.431 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026759.D

Acq: 03 Feb 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

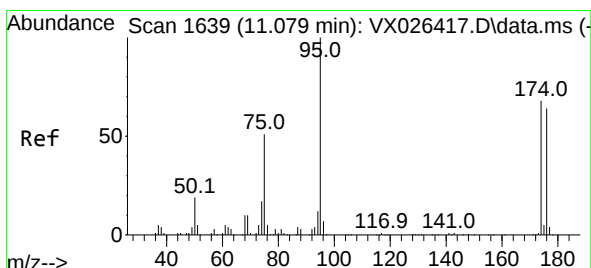
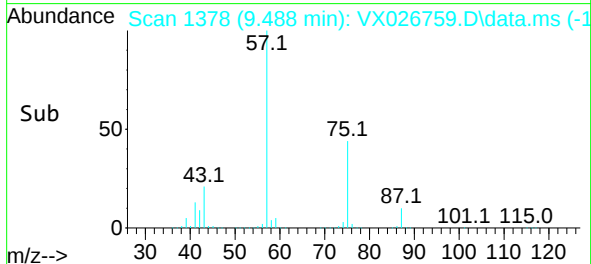
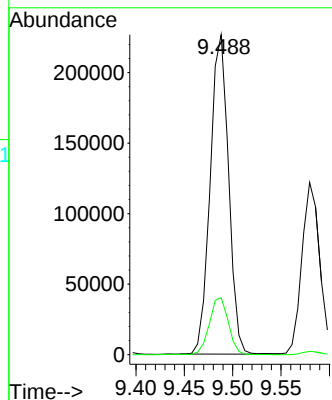
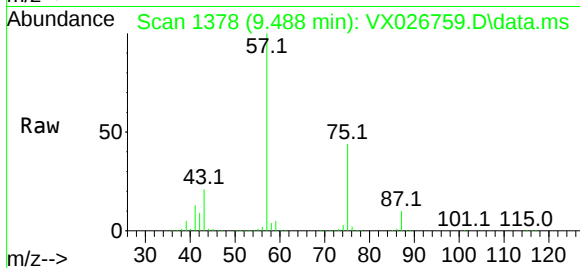
PB142440ZHE#02

Tgt Ion: 43 Resp: 299287

Ion Ratio Lower Upper

43 100

58 18.6 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 48.997 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX026759.D

Acq: 03 Feb 2022 15:39

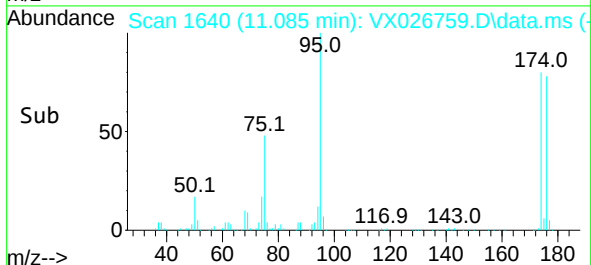
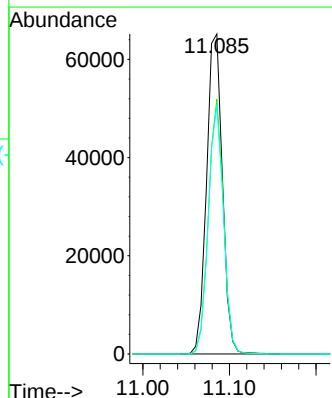
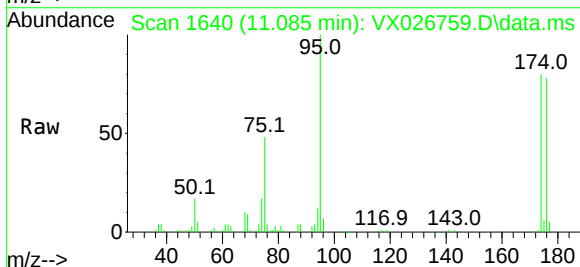
Tgt Ion: 95 Resp: 82872

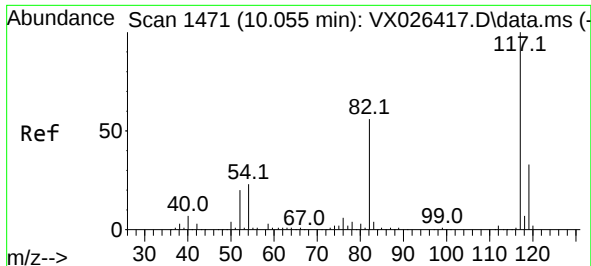
Ion Ratio Lower Upper

95 100

174 76.1 0.0 148.6

176 73.8 0.0 141.4

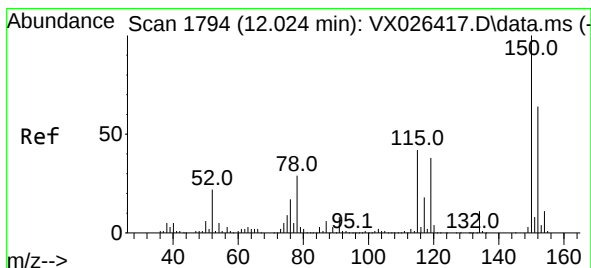
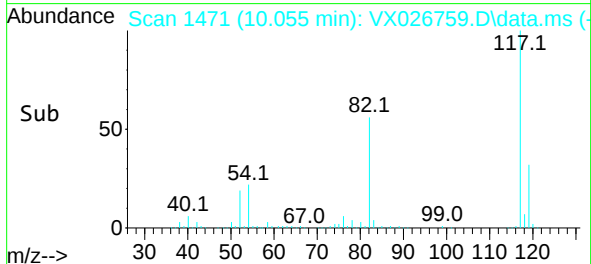
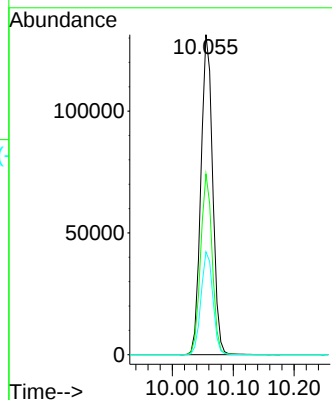
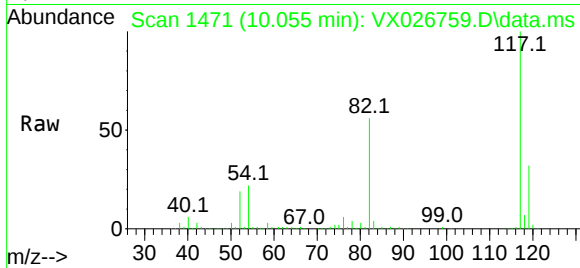




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

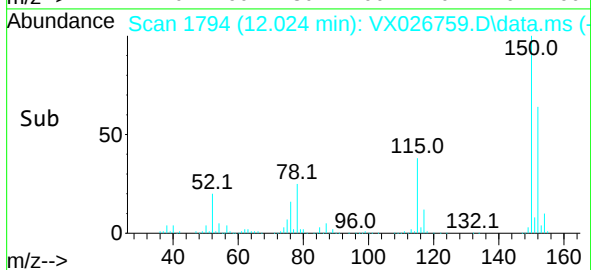
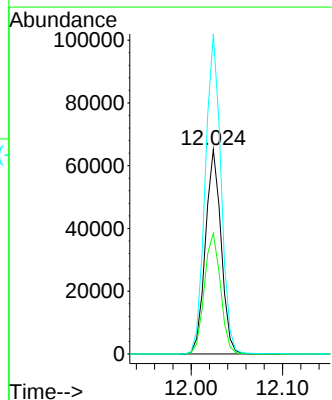
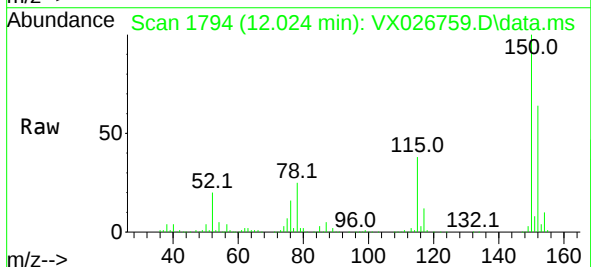
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

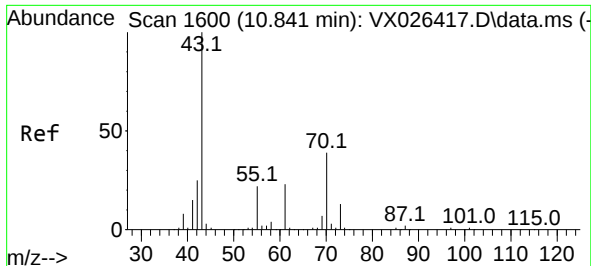
Tgt Ion:117 Resp: 176437
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion:152 Resp: 77324
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 157.0 0.0 348.2

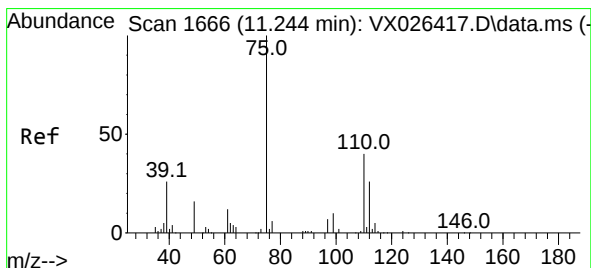
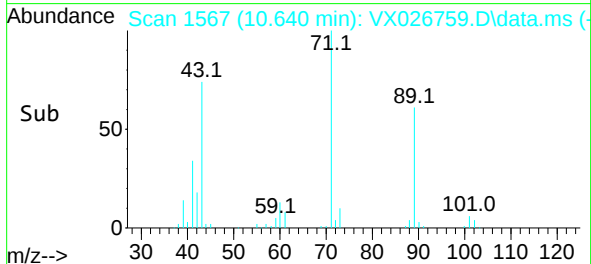
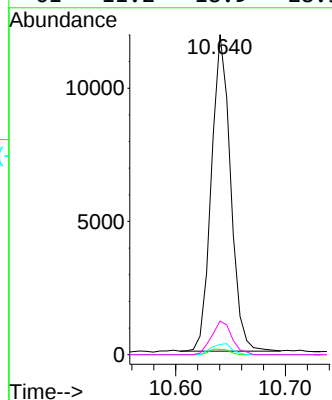
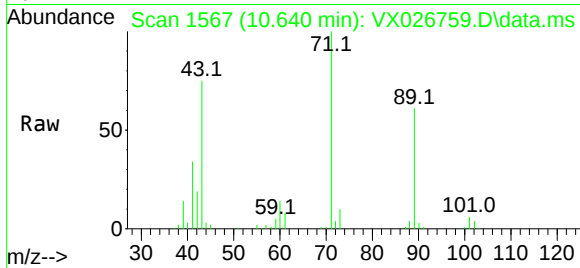




#74
N-amy1 acetate
Concen: 5.906 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

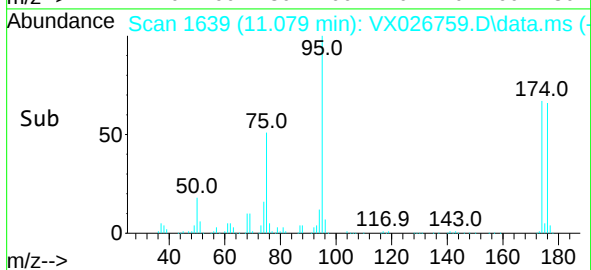
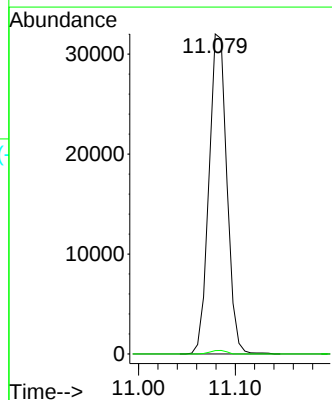
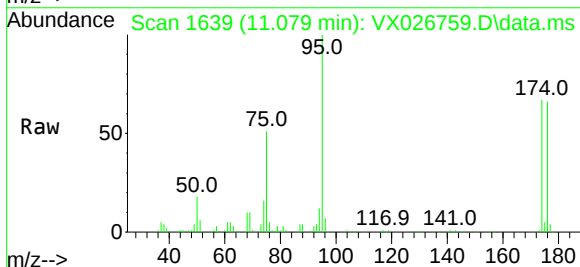
Instrument :
MSVOA_X
ClientSampleId :
PB142440ZHE#02

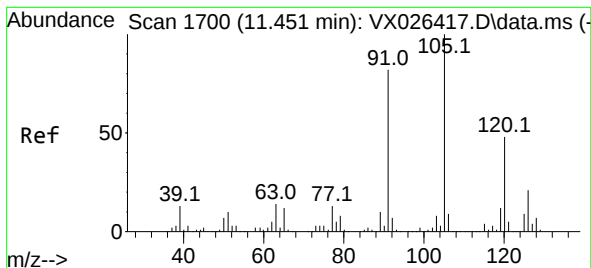
Tgt Ion:	43	Resp:	14451
Ion	Ratio	Lower	Upper
43	100		
70	1.8	32.9	49.3#
55	3.7	18.3	27.5#
61	11.2	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 24.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026759.D
Acq: 03 Feb 2022 15:39

Tgt Ion:	75	Resp:	41132
Ion	Ratio	Lower	Upper
75	100		
77	1.0	18.3	54.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.342 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026759.D

Acq: 03 Feb 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

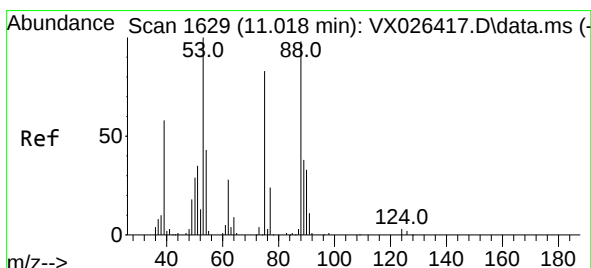
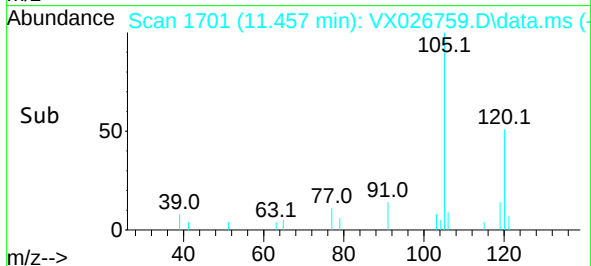
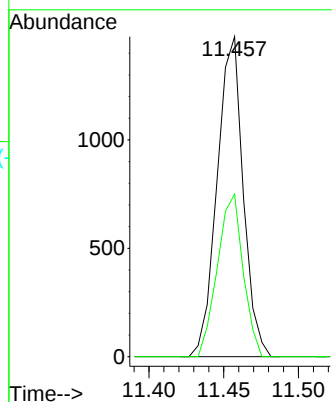
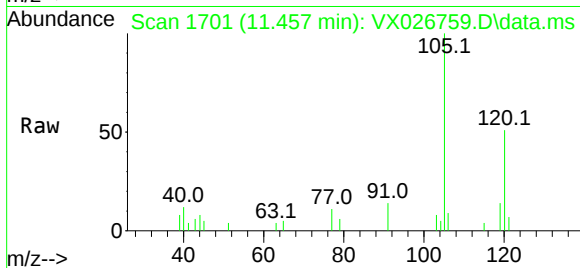
PB142440ZHE#02

Tgt Ion:105 Resp: 1787

Ion Ratio Lower Upper

105 100

120 49.9 24.0 72.0



#81

trans-1,4-Dichloro-2-butene

Concen: 73.603 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026759.D

Acq: 03 Feb 2022 15:39

Tgt Ion: 75 Resp: 41132

Ion Ratio Lower Upper

75 100

53 0.0 94.0 141.0#

89 0.0 37.0 55.4#

