

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028705.D
 Acq On : 14 May 2022 02:35
 Operator : JC/MD
 Sample : PB144781ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#06

Quant Time: May 16 02:31:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

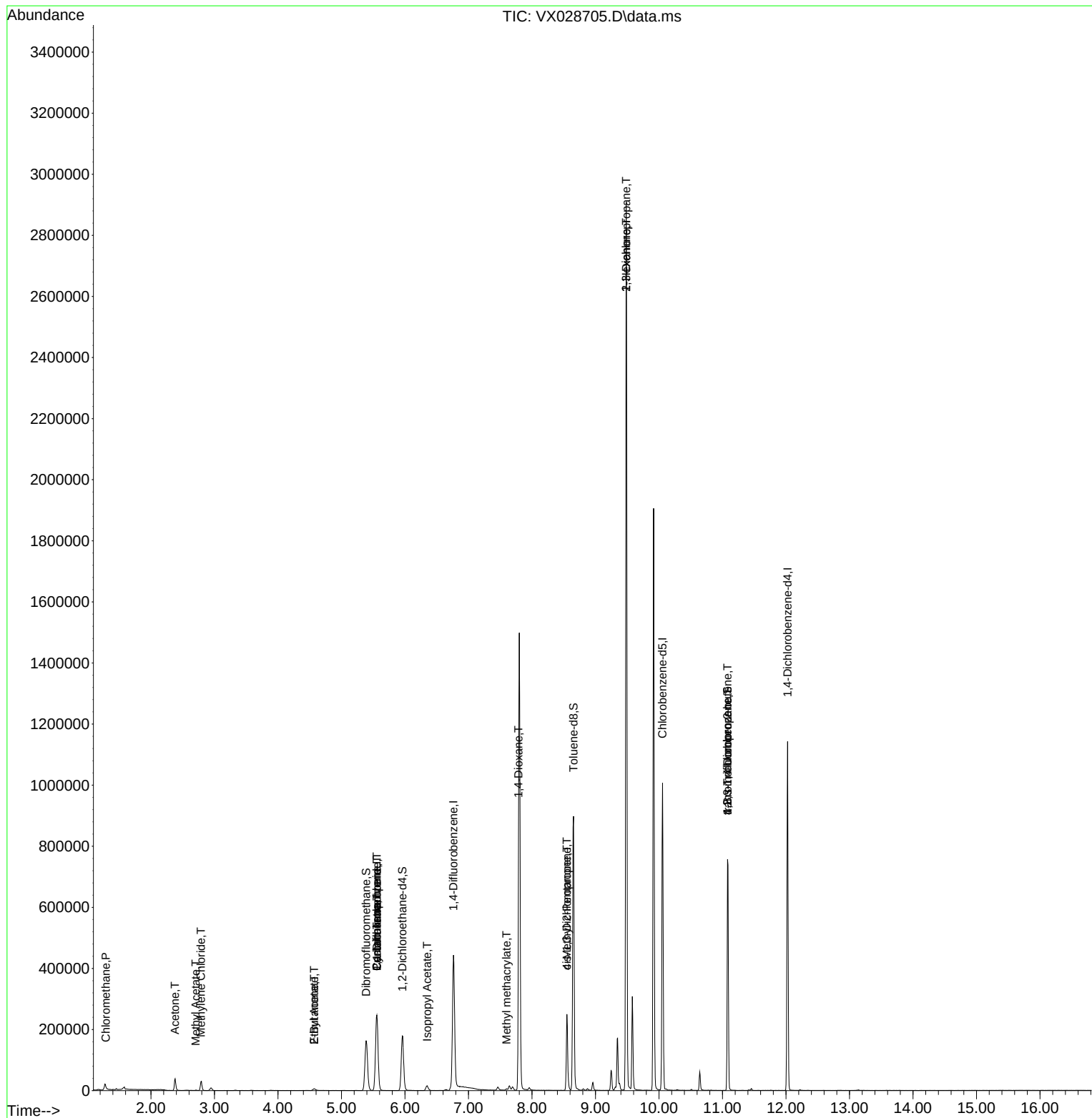
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	225292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	432515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	219005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	169176	54.781	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.560%	
35) Dibromofluoromethane	5.385	113	140962	49.744	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.480%	
50) Toluene-d8	8.653	98	536050	50.174	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	11.079	95	201419	50.475	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.940%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	792	0.285	ug/l	# 42
5) Bromomethane	1.618	94	633	Below Cal		86
6) Chloroethane	1.648	64	353	Below Cal		95
11) Tert butyl alcohol	2.947	59	5122	Below Cal	#	74
16) Acetone	2.380	43	39631	29.901	ug/l	95
18) Methyl Acetate	2.703	43	1935	0.583	ug/l	# 87
20) Methylene Chloride	2.788	84	13239	4.761	ug/l	91
25) 2-Butanone	4.568	43	8543	4.106	ug/l	91
31) Cyclohexane	5.556	56	5328	1.243	ug/l	# 19
36) 1,1-Dichloropropene	5.556	75	19558	4.595	ug/l	# 48
37) Ethyl Acetate	4.568	43	8543	1.922	ug/l	# 66
38) Carbon Tetrachloride	5.556	117	24913	5.816	ug/l	# 16
43) Isopropyl Acetate	6.348	43	21867	3.144	ug/l	93
48) Methyl methacrylate	7.598	41	6177	1.839	ug/l	# 7
49) 1,4-Dioxane	7.787	88	213	2.538	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83811	18.295	ug/l	# 45
54) cis-1,3-Dichloropropene	8.549	75	38624	8.112	ug/l	# 74
57) 1,3-Dichloropropane	9.482	76	25615	4.733	ug/l	# 43
59) 2-Hexanone	9.482	43	326001	91.593	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	105142	20.500	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	105142	60.293	ug/l	# 15

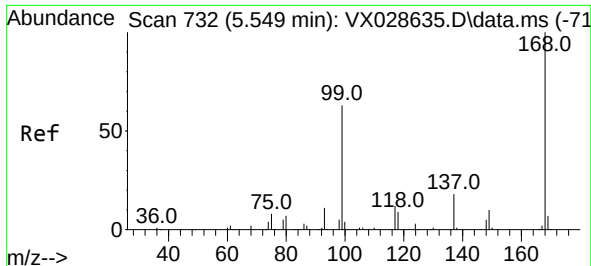
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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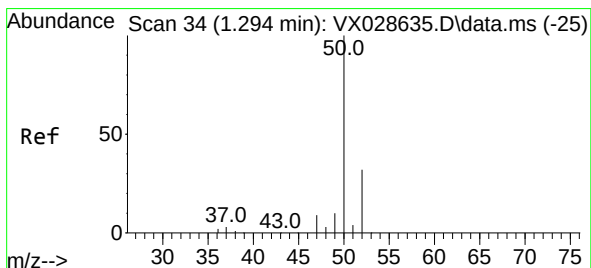
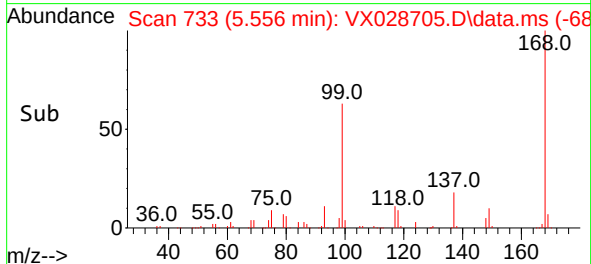
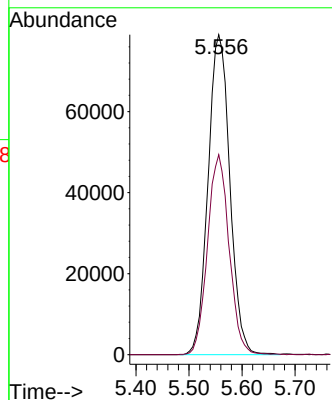
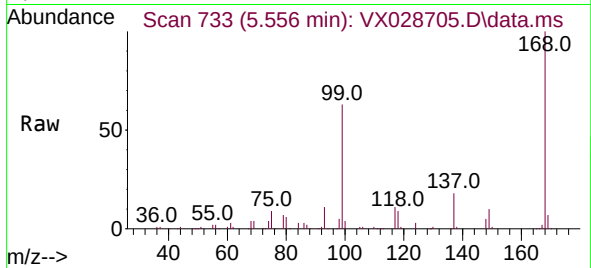




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

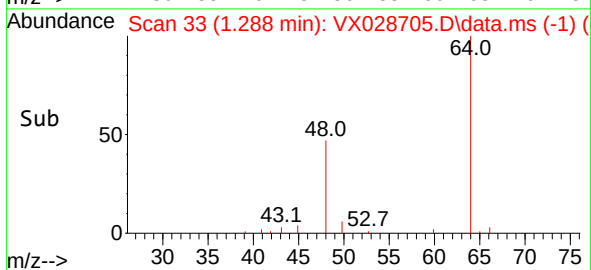
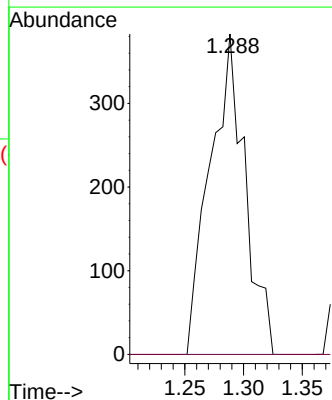
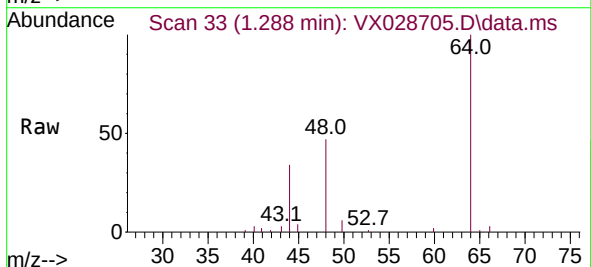
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

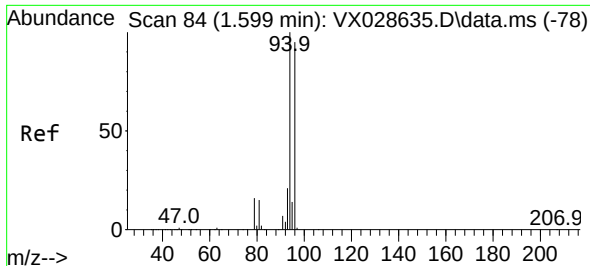
Tgt Ion:168 Resp: 225292
Ion Ratio Lower Upper
168 100
99 62.4 41.7 62.5



#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

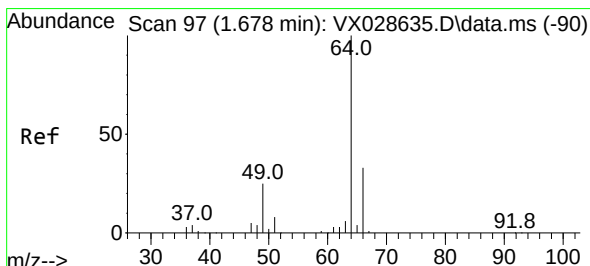
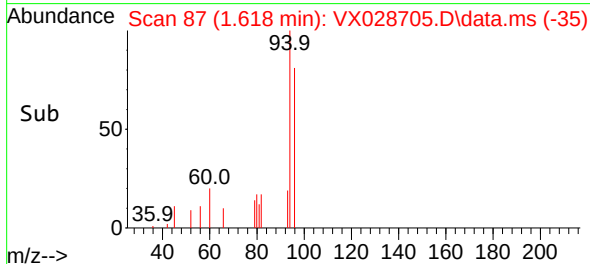
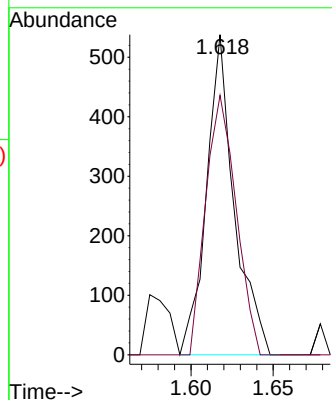
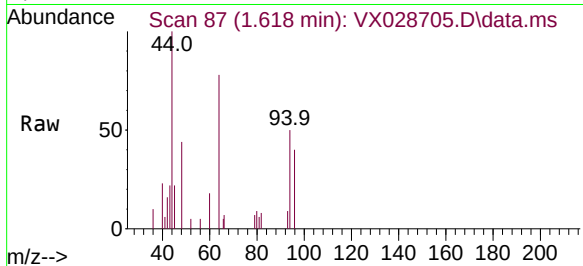




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

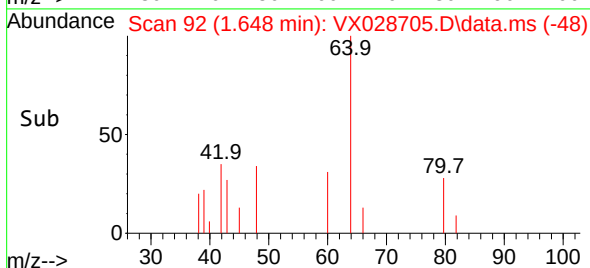
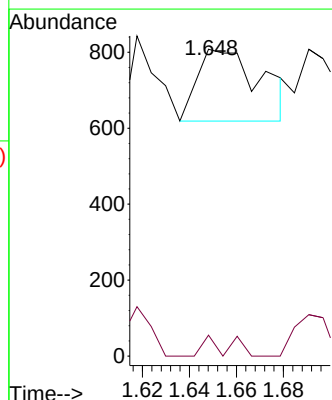
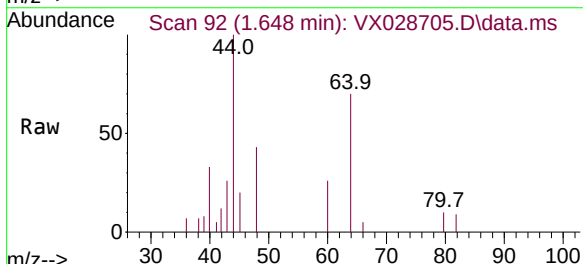
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

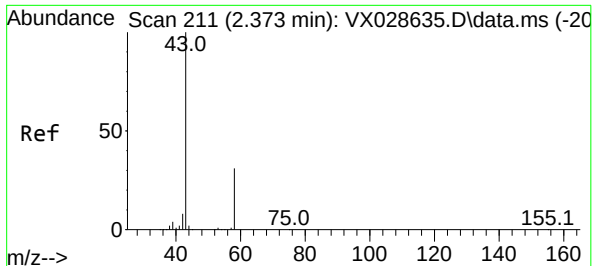
Tgt Ion: 94 Resp: 633
Ion Ratio Lower Upper
94 100
96 81.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 29.1 25.3 37.9

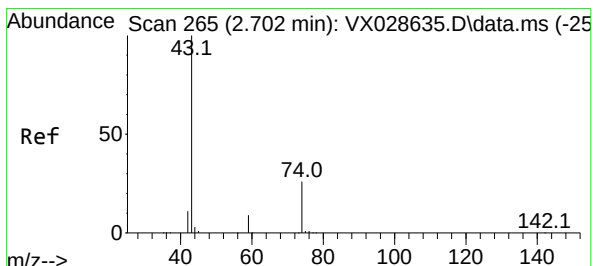
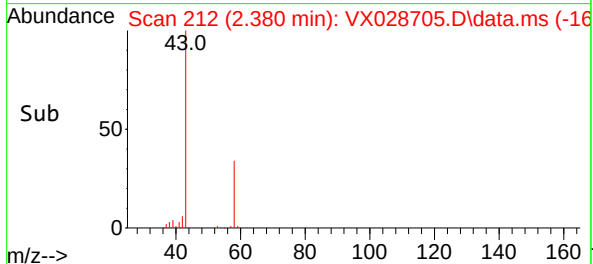
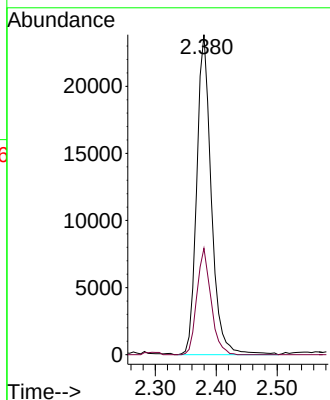
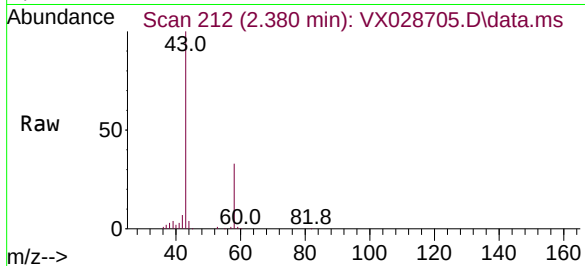




#16
Acetone
Concen: 29.901 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

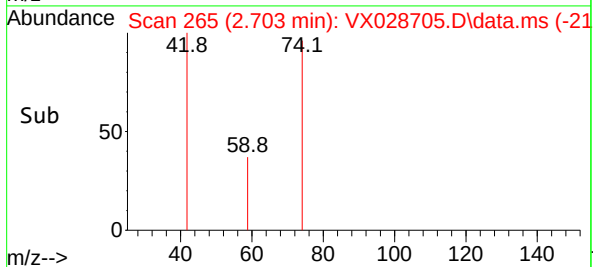
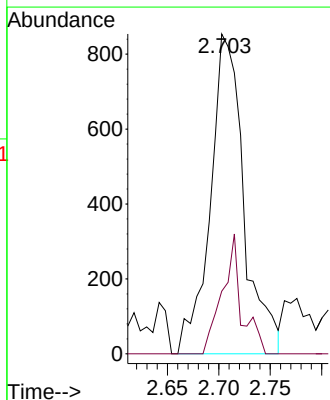
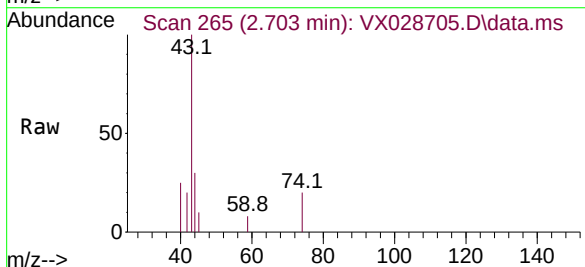
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

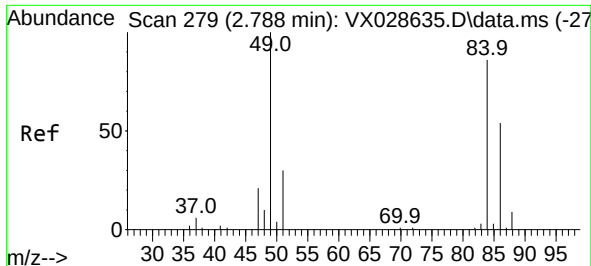
Tgt Ion: 43 Resp: 39631
Ion Ratio Lower Upper
43 100
58 33.3 28.8 43.2



#18
Methyl Acetate
Concen: 0.583 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
74 21.7 22.8 34.2#

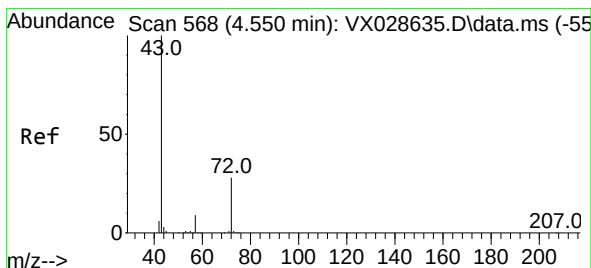
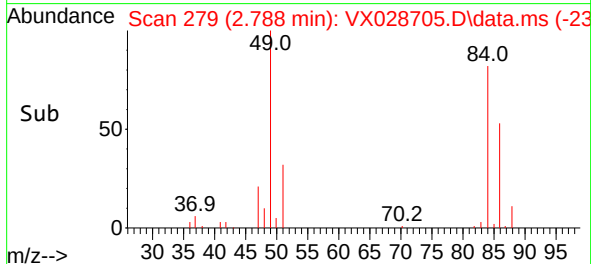
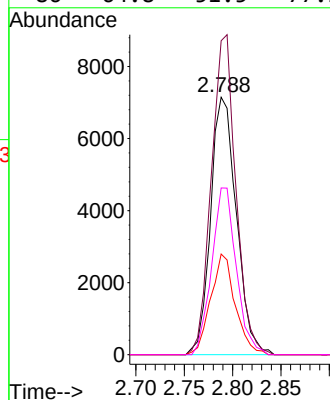
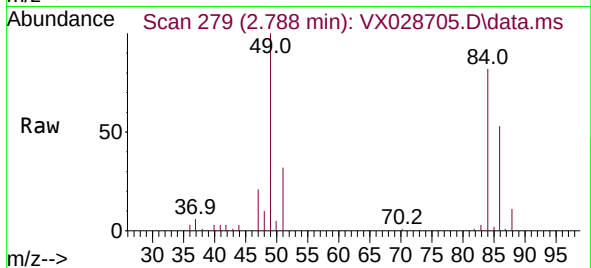




#20
Methylene Chloride
Concen: 4.761 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

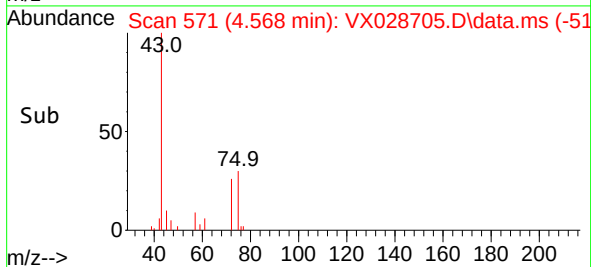
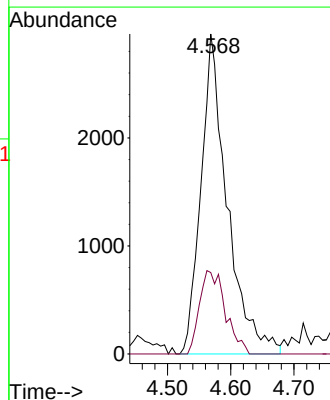
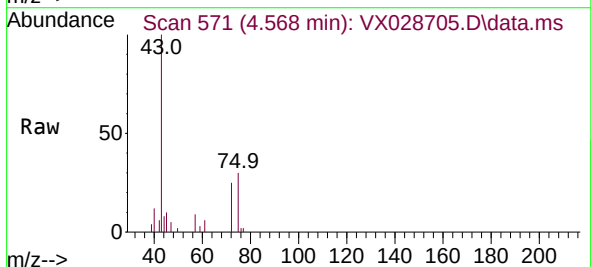
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

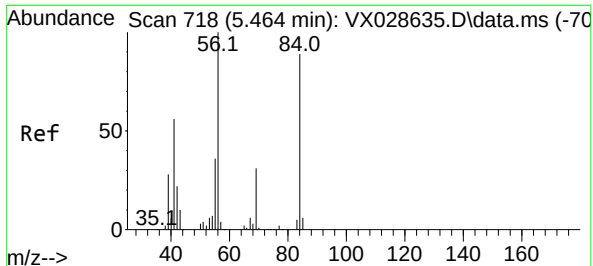
Tgt Ion:	84	Resp:	13239
Ion	Ratio	Lower	Upper
84	100		
49	122.0	85.5	128.3
51	39.1	26.6	39.8
86	64.8	51.5	77.3



#25
2-Butanone
Concen: 4.106 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

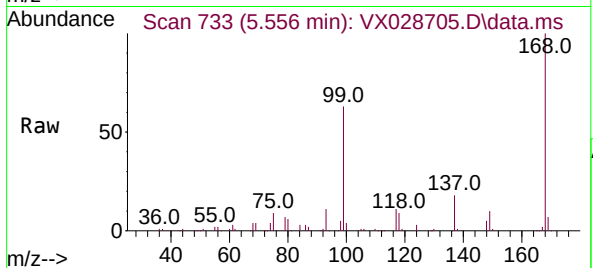
Tgt Ion:	43	Resp:	8543
Ion	Ratio	Lower	Upper
43	100		
72	25.5	24.4	36.6



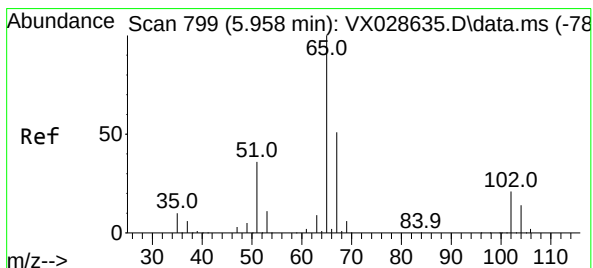
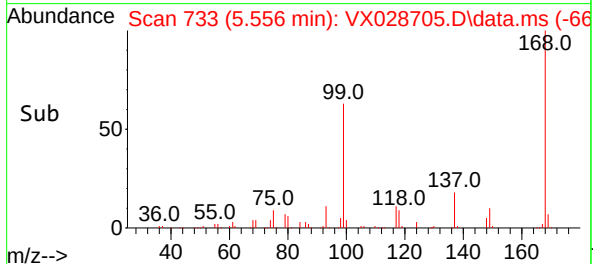
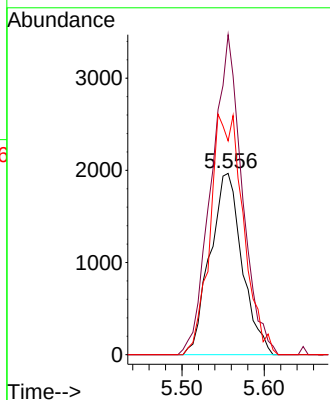


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

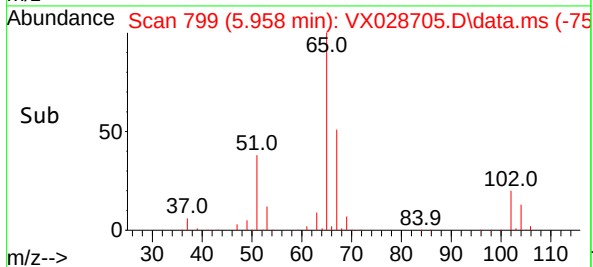
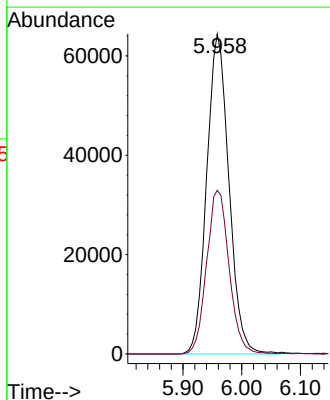
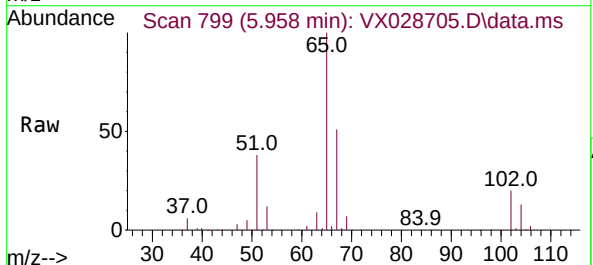


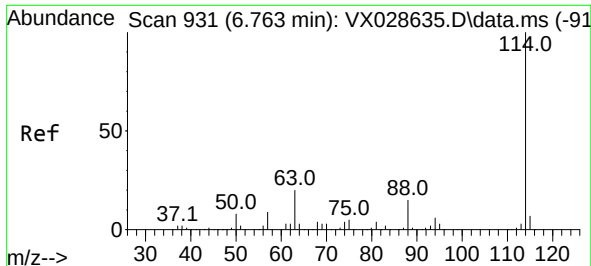
Tgt Ion: 56 Resp: 5328
Ion Ratio Lower Upper
56 100
69 176.5 26.7 40.1#
84 117.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.781 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 65 Resp: 169176
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

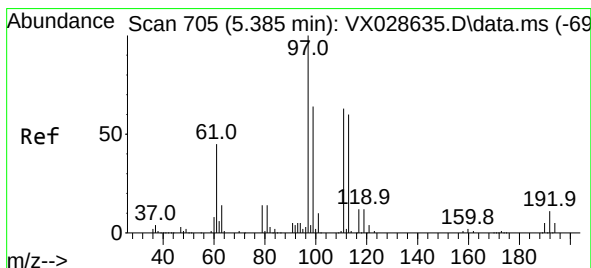
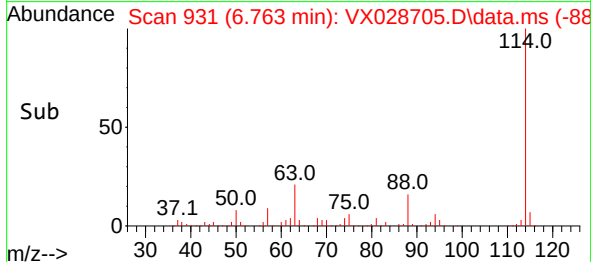
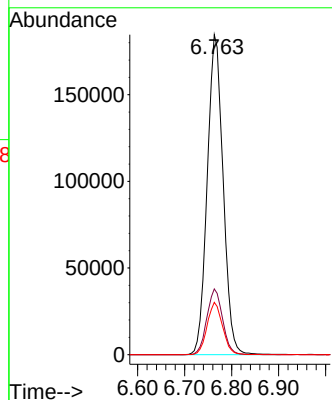
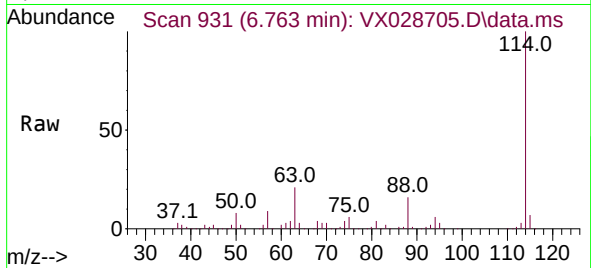




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

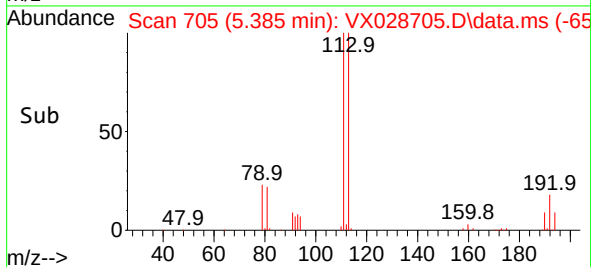
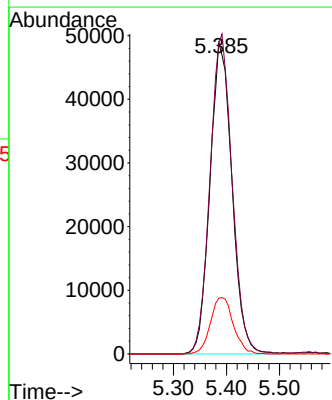
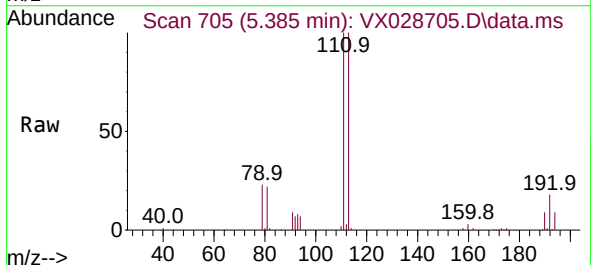
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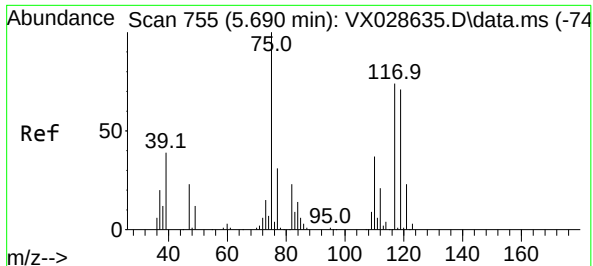
Tgt Ion:114 Resp: 432515
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.744 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion:113 Resp: 140962
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 18.9 16.9 25.3

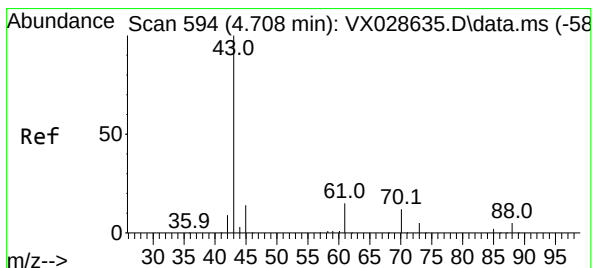
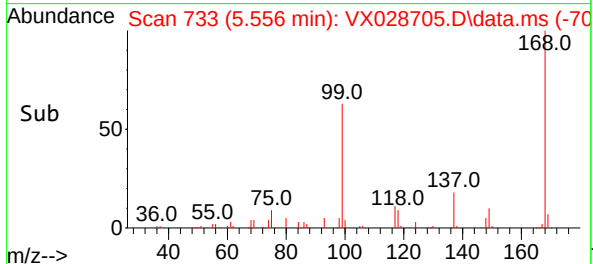
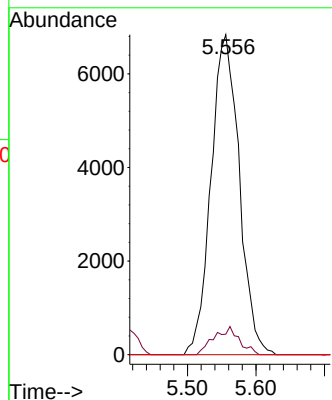
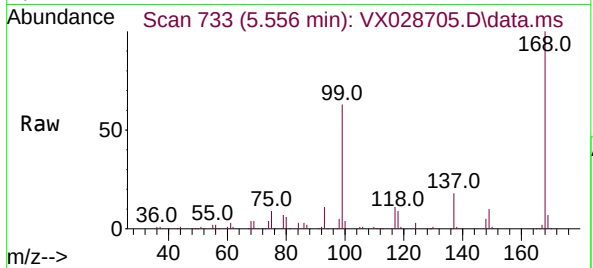




#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

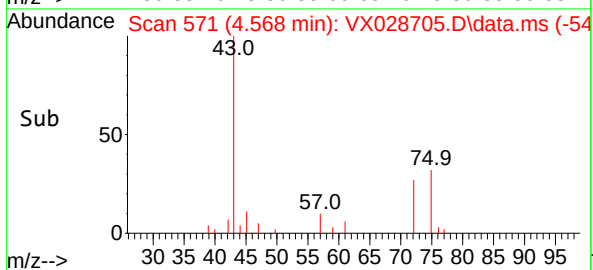
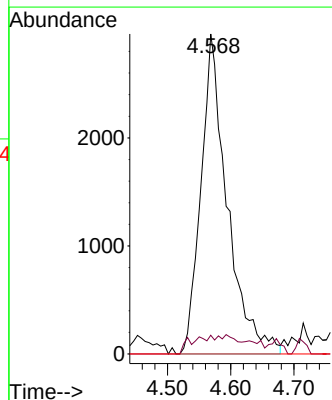
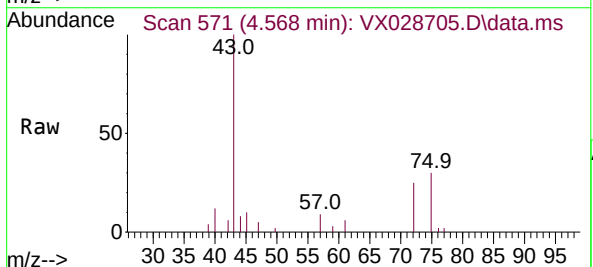
Instrument :
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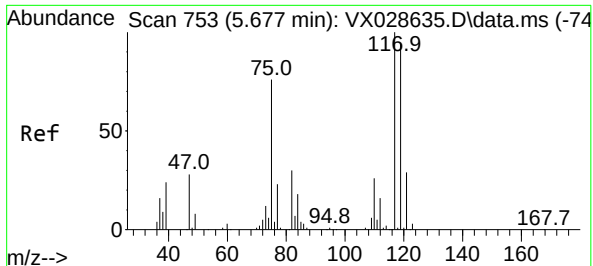
Tgt Ion: 75 Resp: 19558
Ion Ratio Lower Upper
75 100
110 7.8 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.922 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

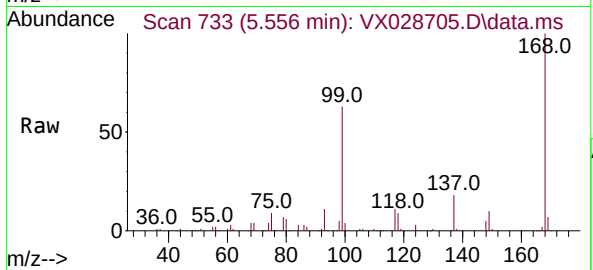
Tgt Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
61 1.0 12.6 19.0#
70 0.0 10.2 15.2#



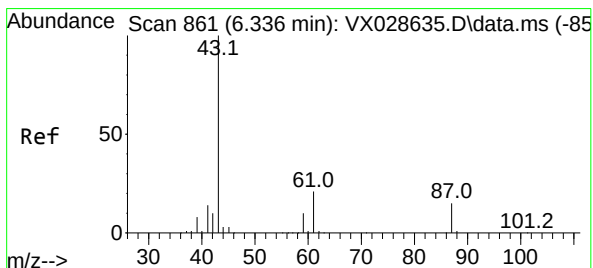
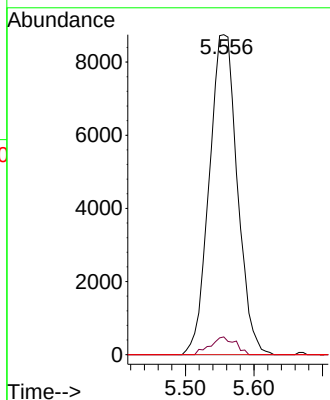
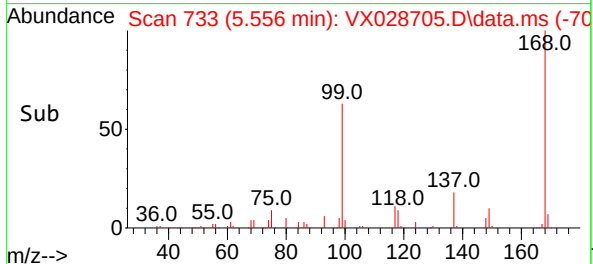


#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

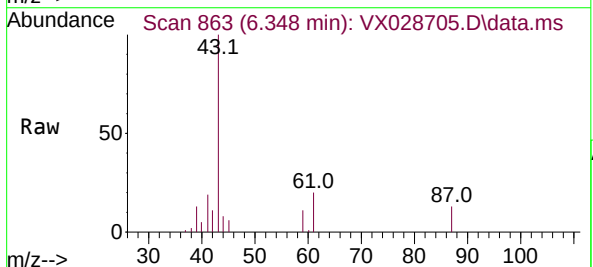
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06



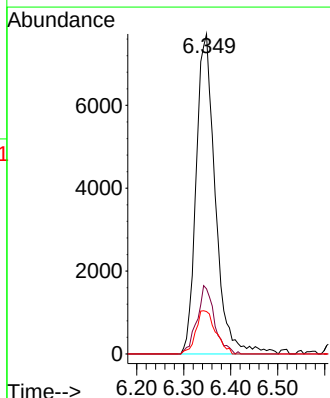
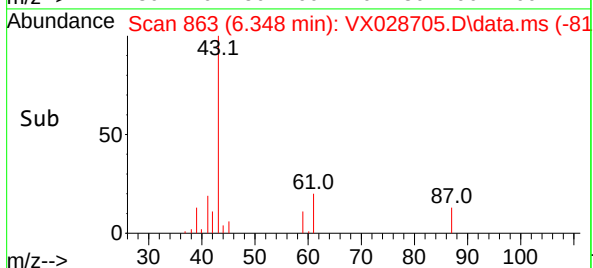
Tgt Ion:117 Resp: 24913
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 24.2 36.2#

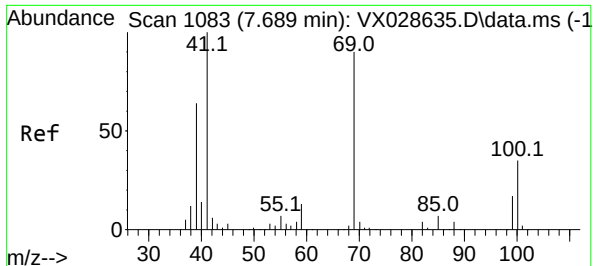


#43
Isopropyl Acetate
Concen: 3.144 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35



Tgt Ion: 43 Resp: 21867
Ion Ratio Lower Upper
43 100
61 19.4 18.5 27.7
87 13.9 13.0 19.6

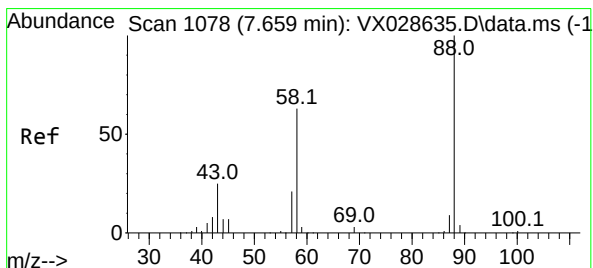
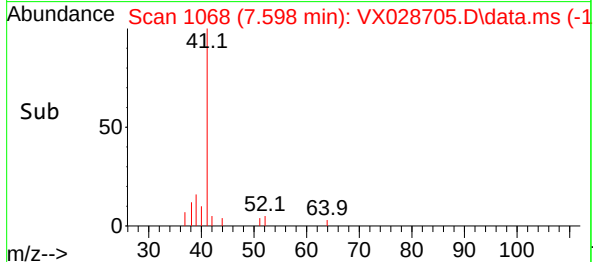
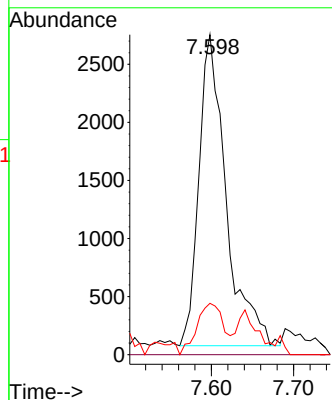
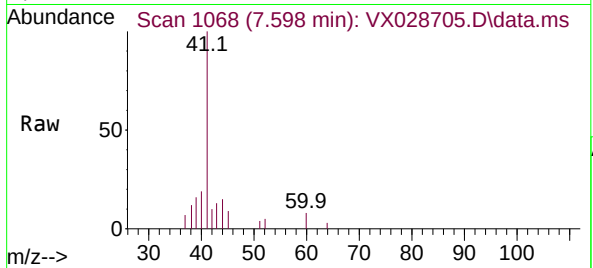




#48
Methyl methacrylate
Concen: 1.839 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

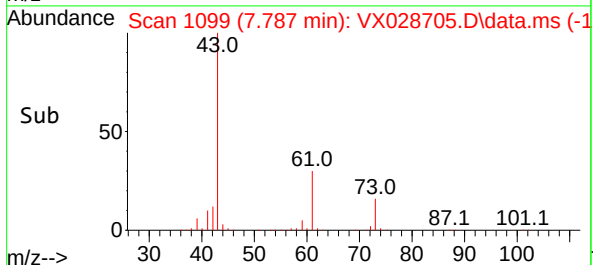
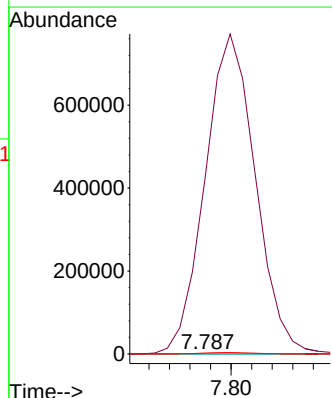
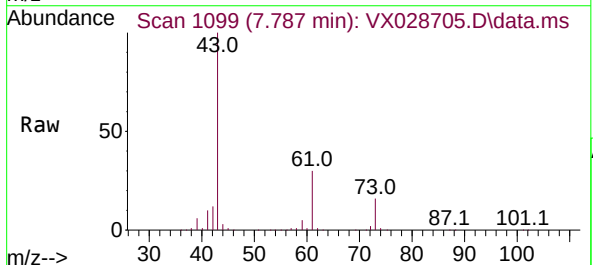
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

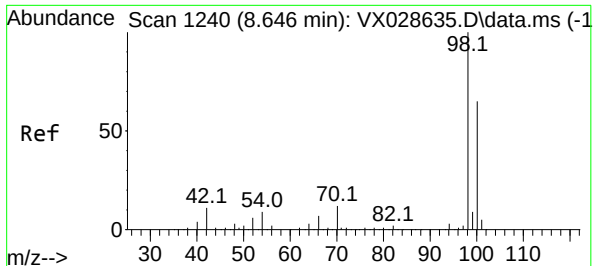
Tgt Ion: 41 Resp: 6177
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.538 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 619330.5 21.9 32.9#
58 2958.7 53.7 80.5#

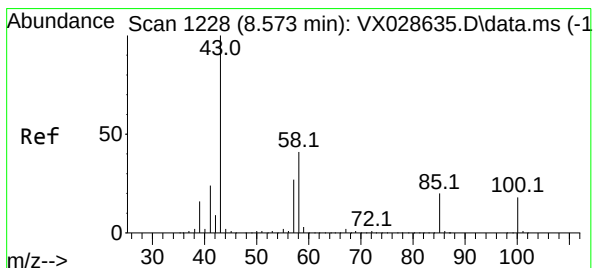
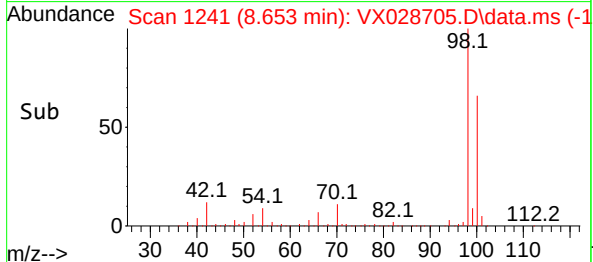
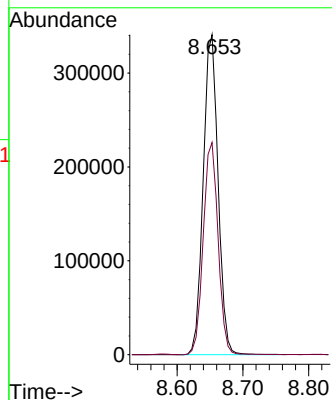
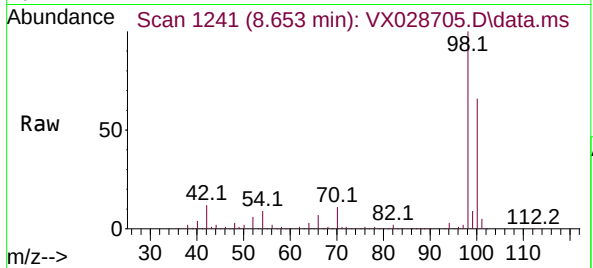




#50
Toluene-d8
Concen: 50.174 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

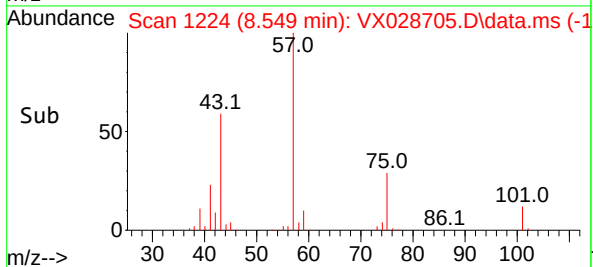
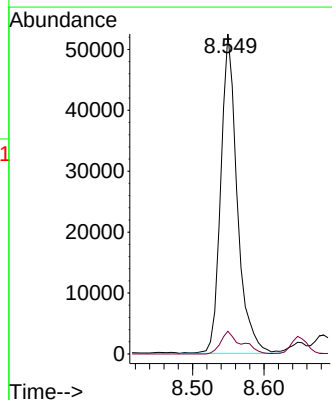
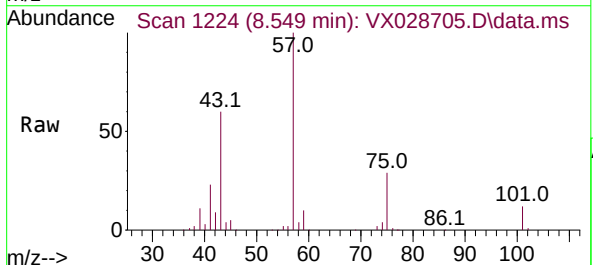
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

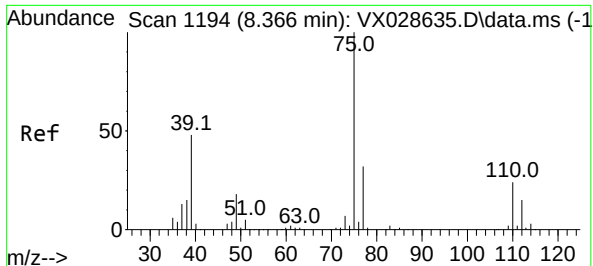
Tgt Ion: 98 Resp: 536050
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.295 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 43 Resp: 83811
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

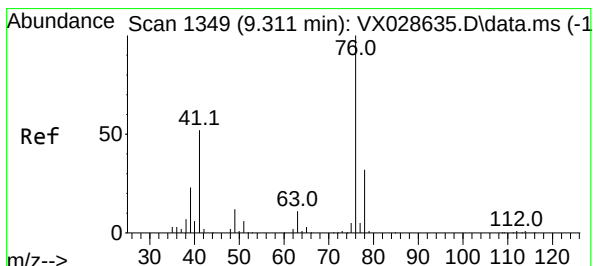
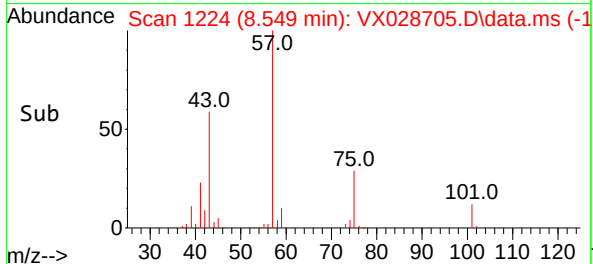
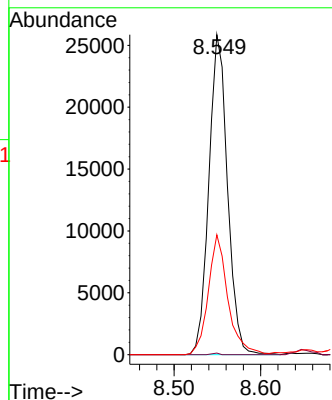
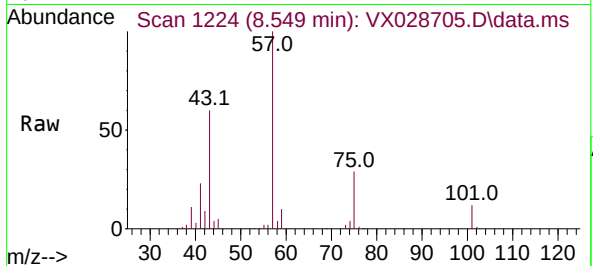




#54
 cis-1,3-Dichloropropene
 Concen: 8.112 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028705.D
 Acq: 14 May 2022 02:35

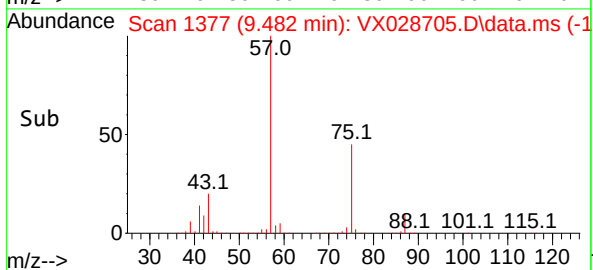
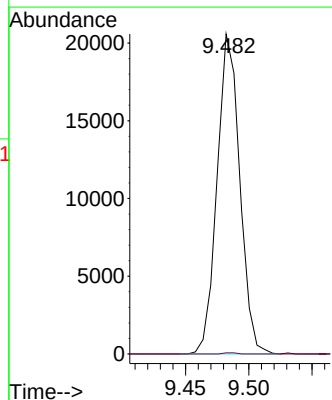
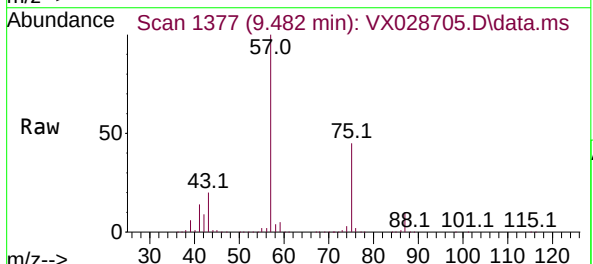
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#06

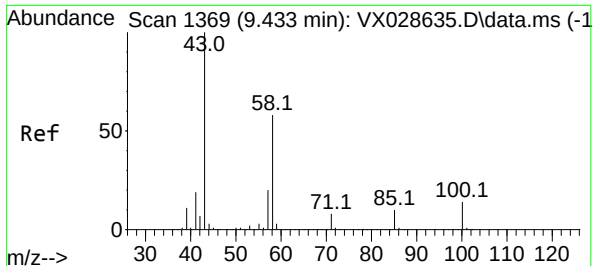
Tgt Ion: 75 Resp: 38624
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 37.4 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.733 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028705.D
 Acq: 14 May 2022 02:35

Tgt Ion: 76 Resp: 25615
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#





#59

2-Hexanone

Concen: 91.593 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028705.D

Acq: 14 May 2022 02:35

Instrument :

MSVOA_X

ClientSampleId :

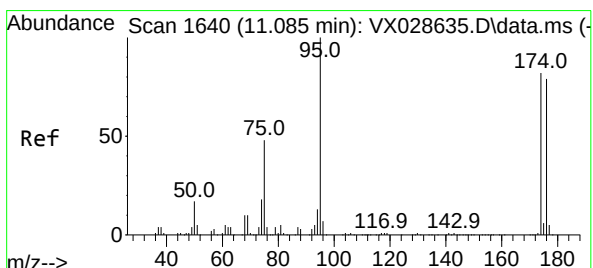
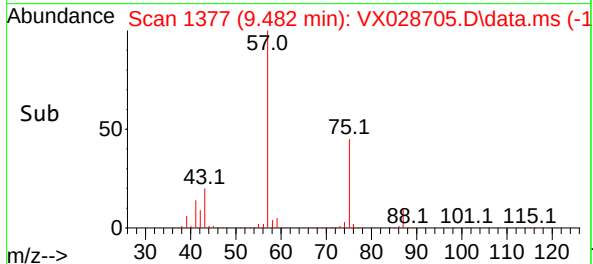
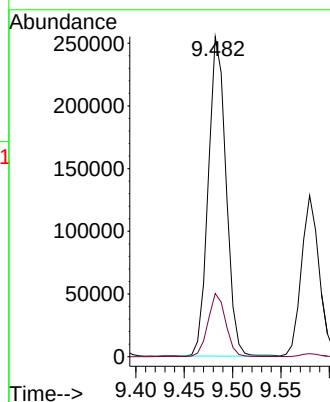
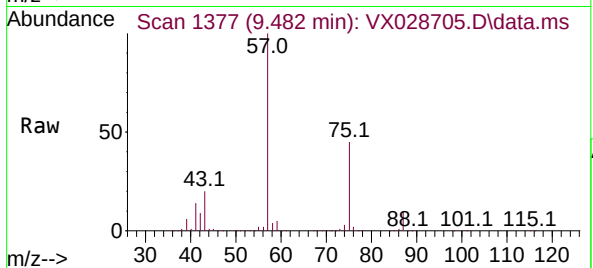
PB144781ZHE#06

Tgt Ion: 43 Resp: 326001

Ion Ratio Lower Upper

43 100

58 19.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.475 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028705.D

Acq: 14 May 2022 02:35

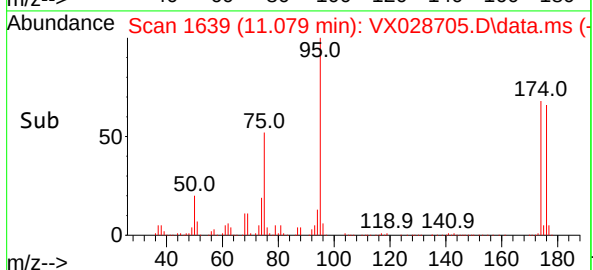
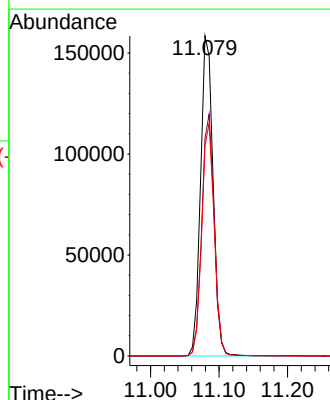
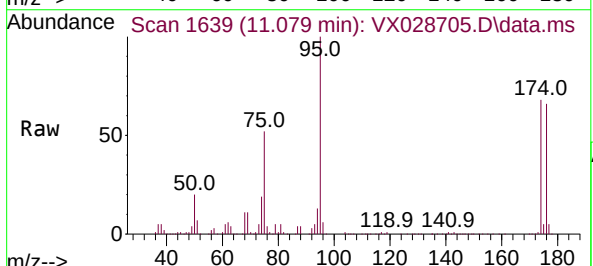
Tgt Ion: 95 Resp: 201419

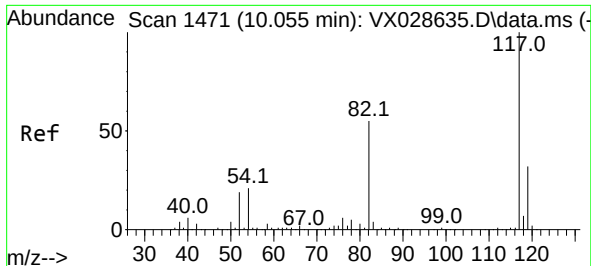
Ion Ratio Lower Upper

95 100

174 75.6 0.0 163.0

176 72.2 0.0 155.0

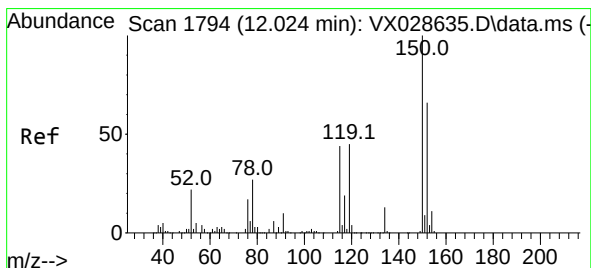
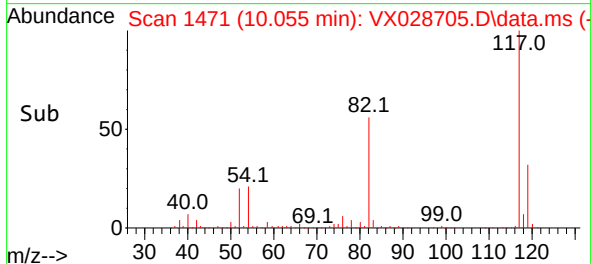
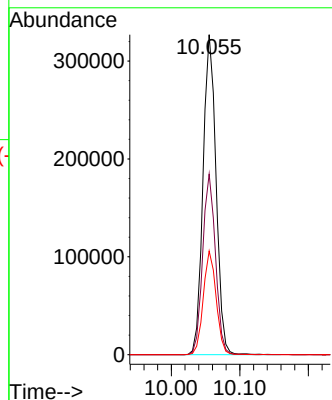
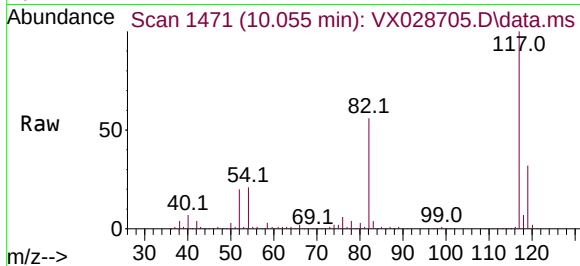




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

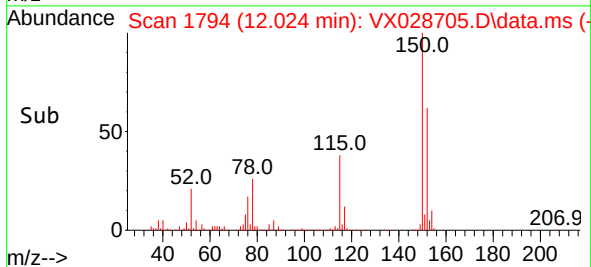
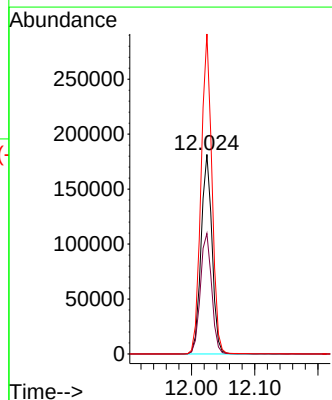
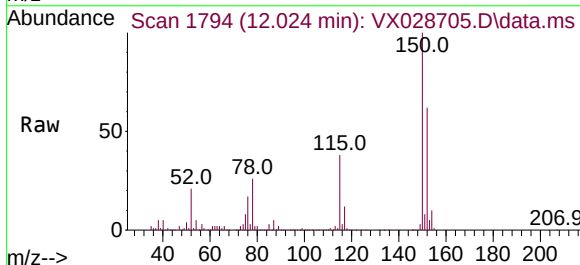
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

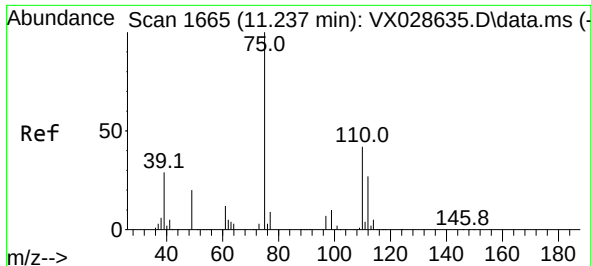
Tgt Ion:117 Resp: 433288
Ion Ratio Lower Upper
117 100
82 56.4 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion:152 Resp: 219005
Ion Ratio Lower Upper
152 100
115 62.1 37.5 112.7
150 159.1 0.0 338.2

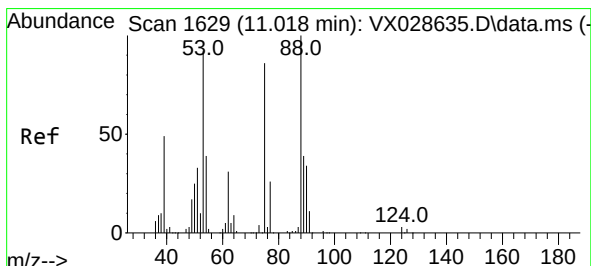
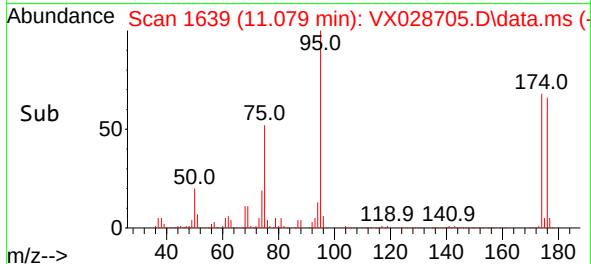
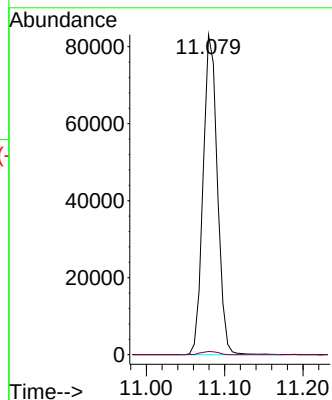
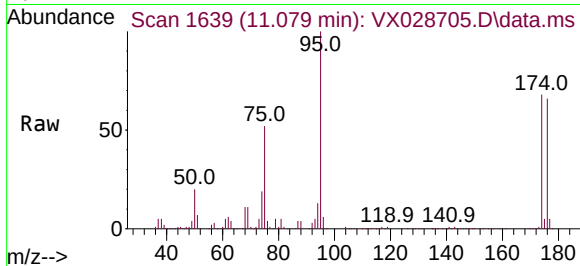




#76
1,2,3-Trichloropropane
Concen: 20.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#06

Tgt Ion: 75 Resp: 105142
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.293 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028705.D
Acq: 14 May 2022 02:35

Tgt Ion: 75 Resp: 105142
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

