

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028699.D
 Acq On : 14 May 2022 00:16
 Operator : JC/MD
 Sample : PB144781TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781TB

Quant Time: May 16 02:29:44 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)

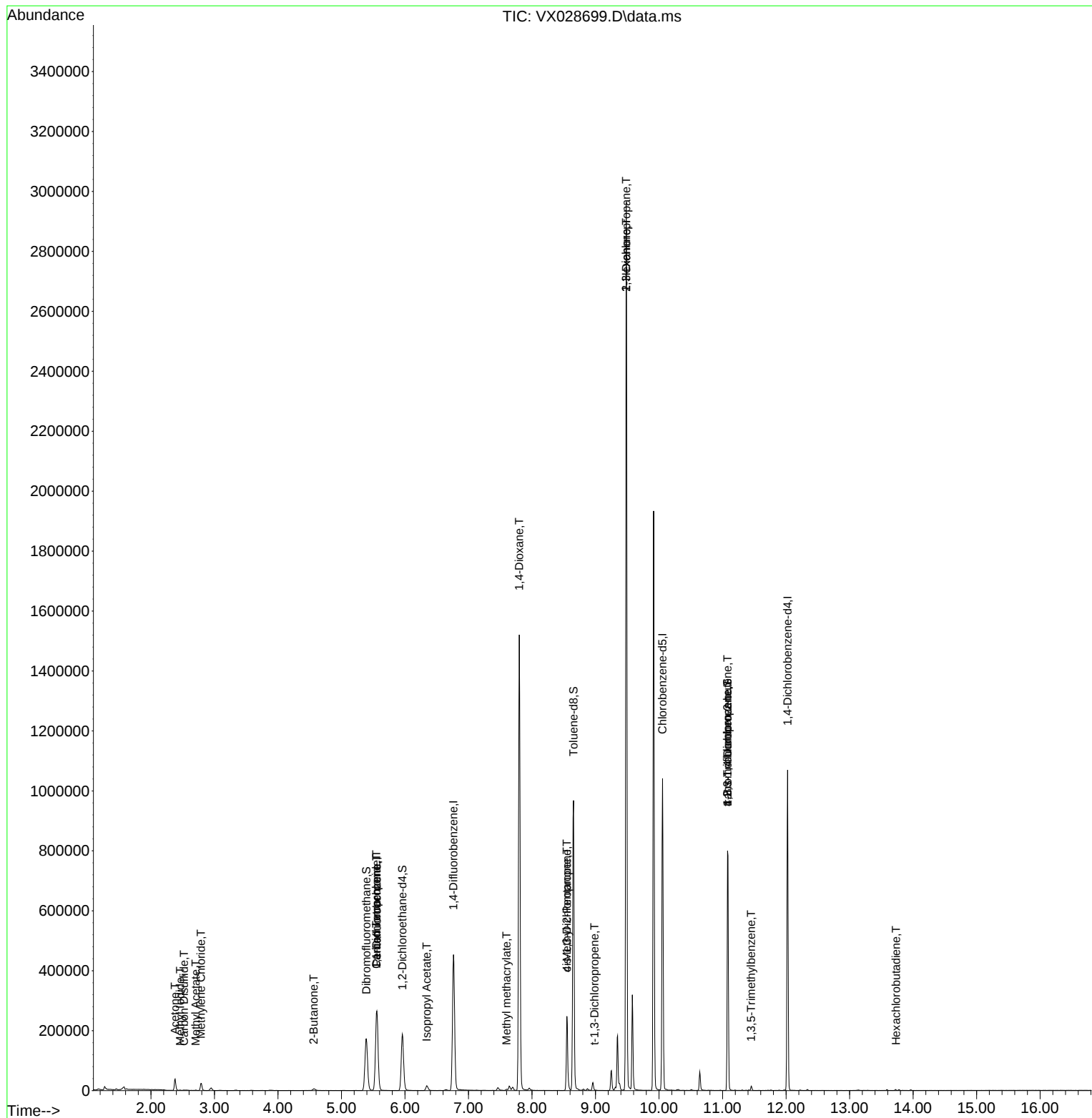
Internal Standards						
1) Pentafluorobenzene	5.556	168	245007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	458947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	454228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	205753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177837	52.952	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.900%			
35) Dibromofluoromethane	5.391	113	151263	50.304	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.600%			
50) Toluene-d8	8.653	98	566756	49.993	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	213177	50.345	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.680%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	854	Below Cal		96
6) Chloroethane	1.654	64	127	Below Cal	#	75
10) Methyl Iodide	2.459	142	1334	0.408	ug/l	96
11) Tert butyl alcohol	2.947	59	5175	Below Cal	#	77
16) Acetone	2.380	43	39556	27.443	ug/l	89
17) Carbon Disulfide	2.520	76	1558	0.237	ug/l	# 89
18) Methyl Acetate	2.703	43	1573	0.436	ug/l	# 89
20) Methylene Chloride	2.788	84	11333	3.748	ug/l	93
25) 2-Butanone	4.562	43	8477	3.747	ug/l	95
36) 1,1-Dichloropropene	5.550	75	20584	4.558	ug/l	# 49
38) Carbon Tetrachloride	5.550	117	26661	5.866	ug/l	# 15
43) Isopropyl Acetate	6.342	43	21190	2.871	ug/l	92
48) Methyl methacrylate	7.598	41	6350	1.781	ug/l	# 7
49) 1,4-Dioxane	7.799	88	208	2.335	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83319	17.140	ug/l	# 45
53) t-1,3-Dichloropropene	8.982	75	120	1.663	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	38538	7.628	ug/l	# 70
57) 1,3-Dichloropropane	9.482	76	26785	4.664	ug/l	# 43
59) 2-Hexanone	9.482	43	330480	87.504	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	113494	23.554	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	6041	0.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	113494	68.697	ug/l	# 15
94) Hexachlorobutadiene	13.731	225	547	0.328	ug/l	89

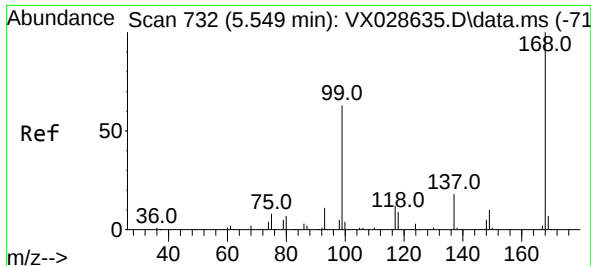
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 16 02:29:44 2022
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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

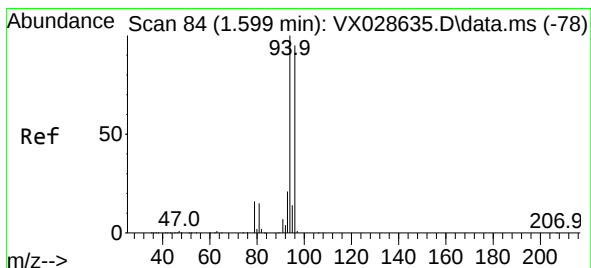
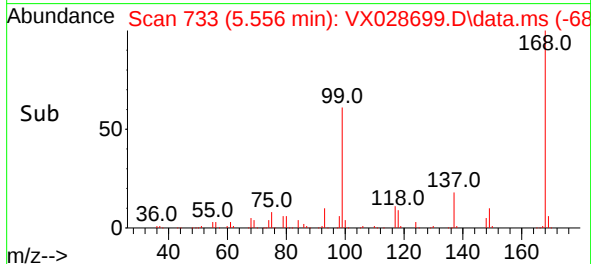
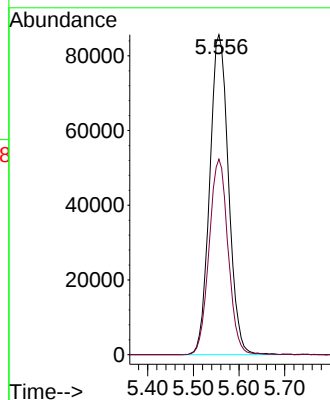
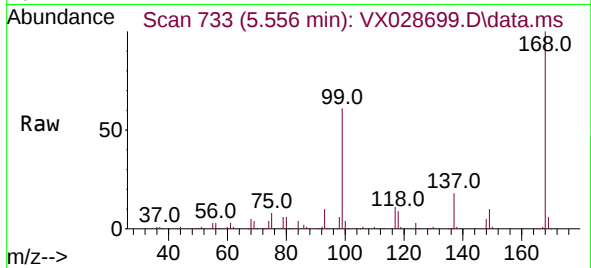




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

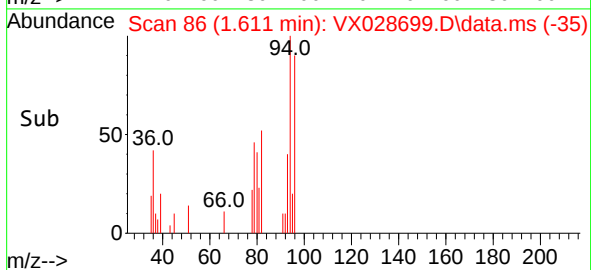
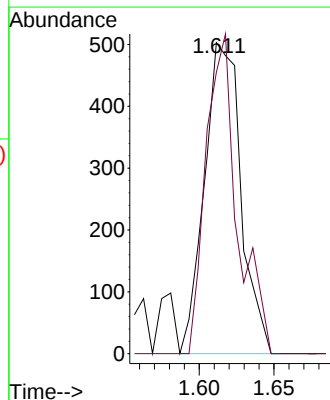
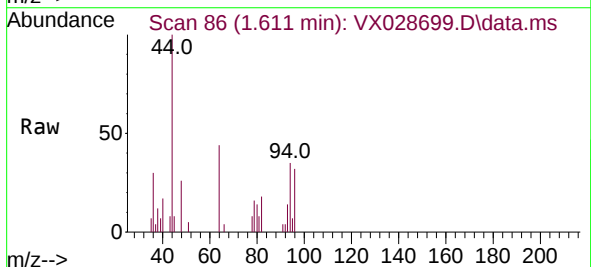
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

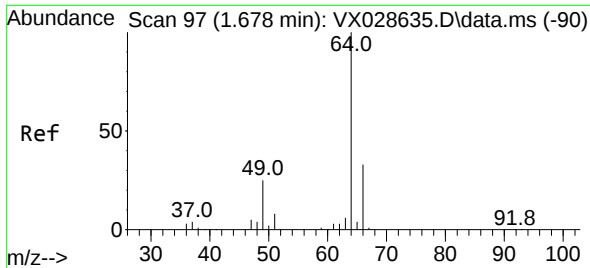
Tgt Ion:168 Resp: 245007
Ion Ratio Lower Upper
168 100
99 61.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 94 Resp: 854
Ion Ratio Lower Upper
94 100
96 90.5 75.3 112.9

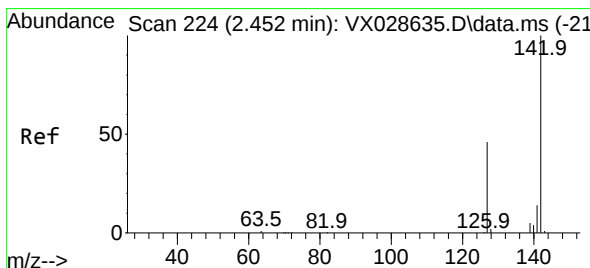
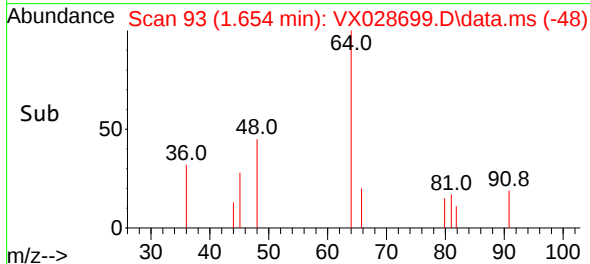
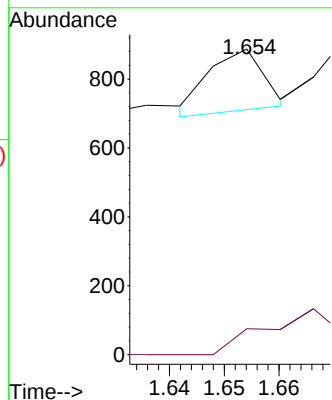
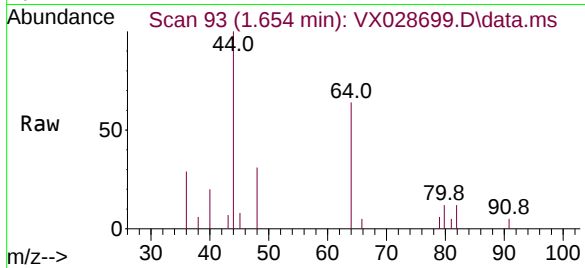




#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

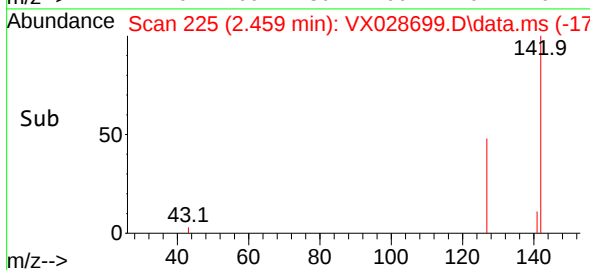
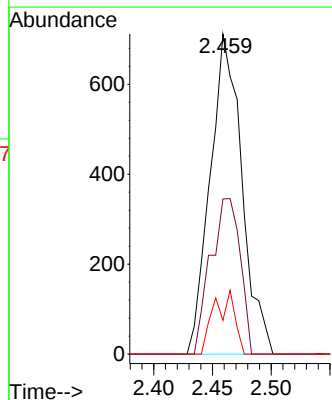
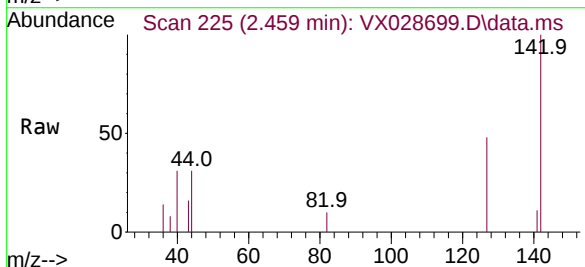
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

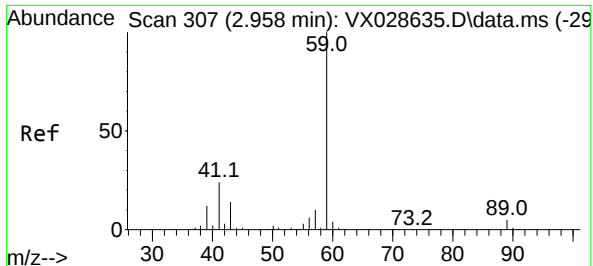
Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 45.5 25.3 37.9#



#10
Methyl Iodide
Concen: 0.408 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 142 Resp: 1334
Ion Ratio Lower Upper
142 100
127 45.3 33.9 50.9
141 13.0 11.4 17.2

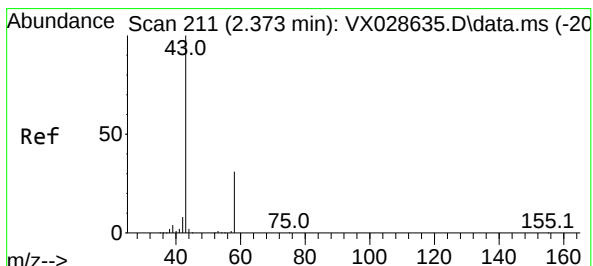
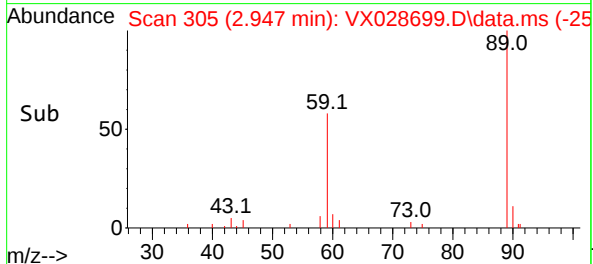
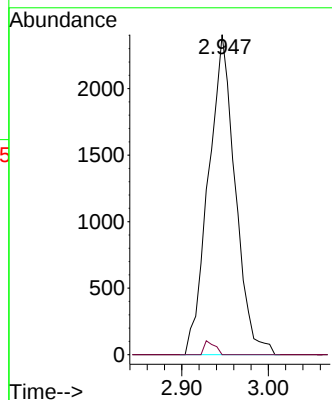
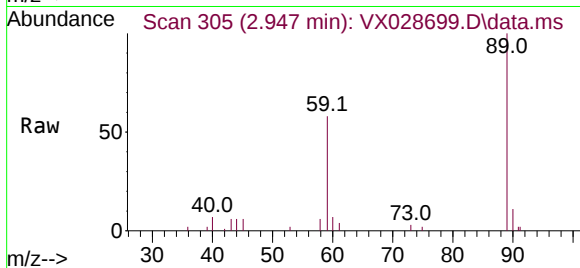




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 307
Delta R.T. -0.011 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

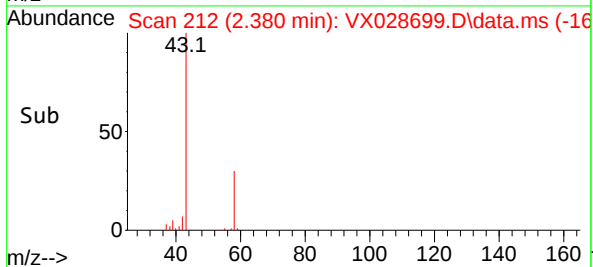
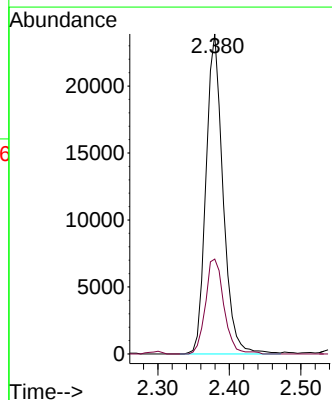
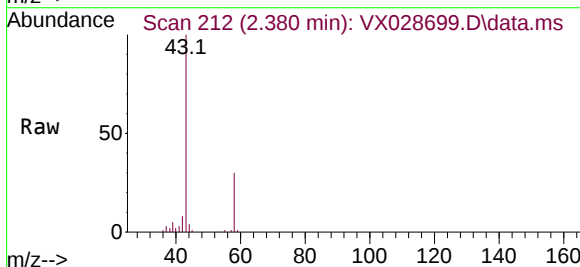
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

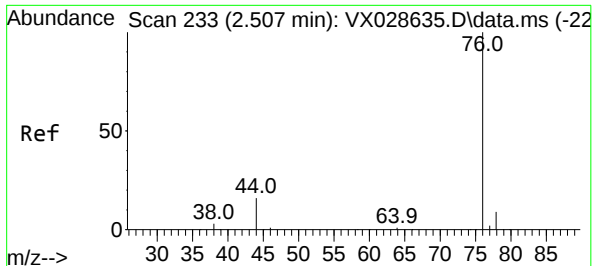
Tgt Ion: 59 Resp: 5175
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#



#16
Acetone
Concen: 27.443 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 43 Resp: 39556
Ion Ratio Lower Upper
43 100
58 29.6 28.8 43.2

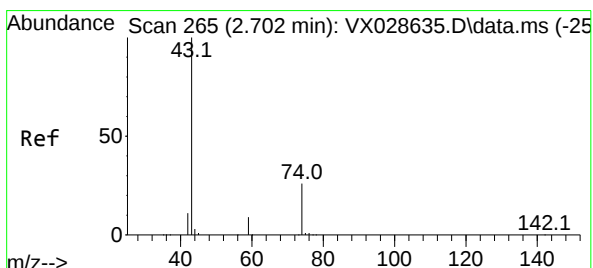
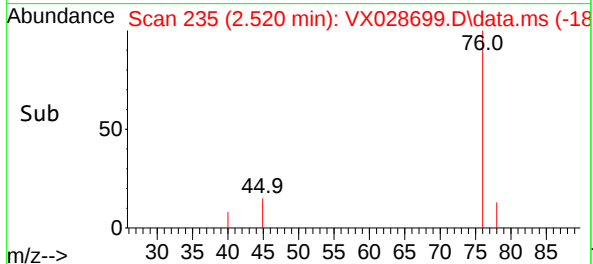
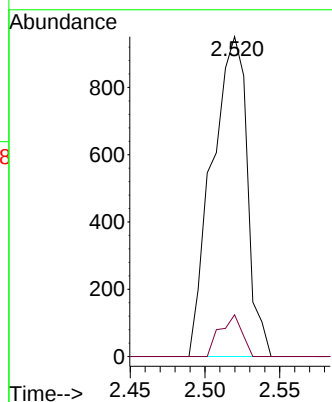
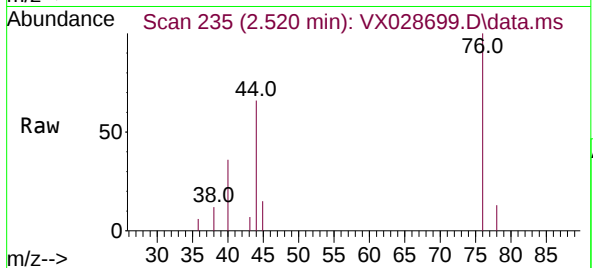




#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

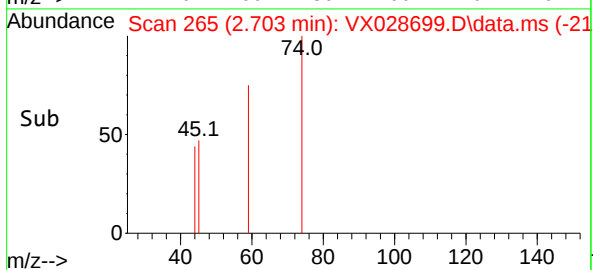
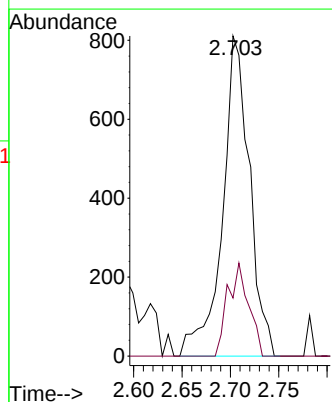
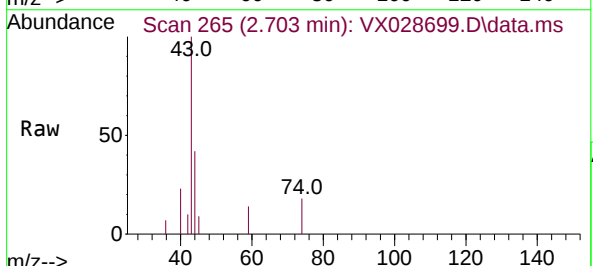
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

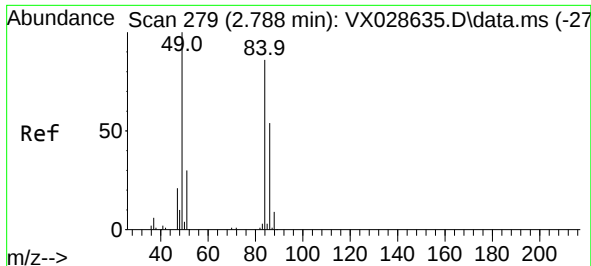
Tgt Ion: 76 Resp: 1558
Ion Ratio Lower Upper
76 100
78 13.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

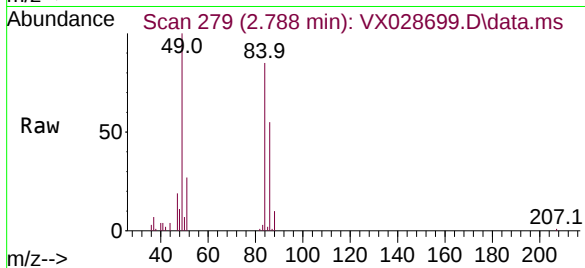
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
74 22.4 22.8 34.2#



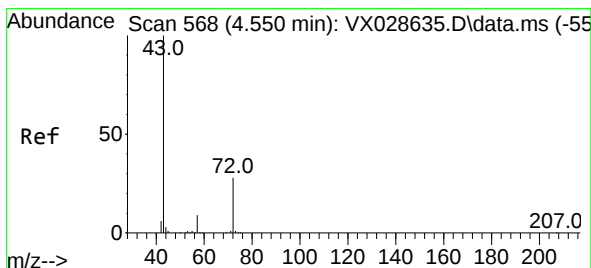
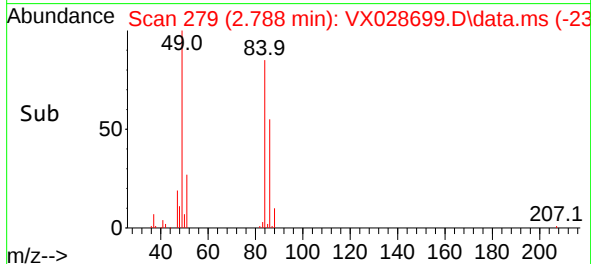
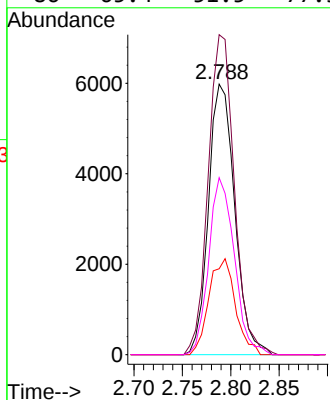


#20
Methylene Chloride
Concen: 3.748 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

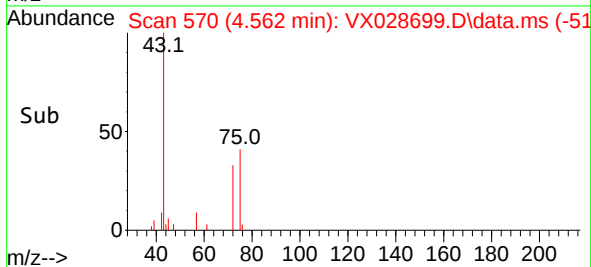
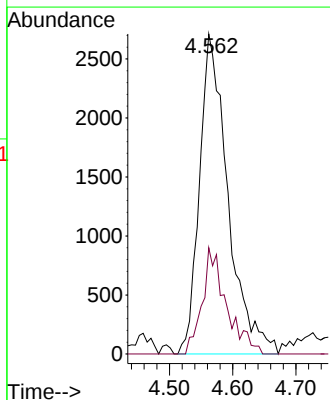
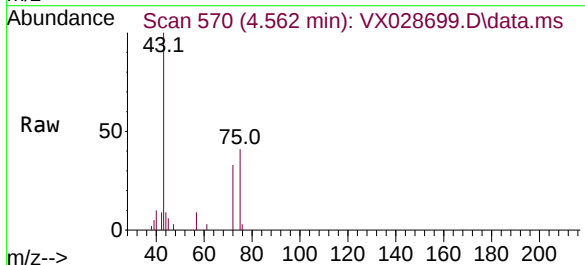


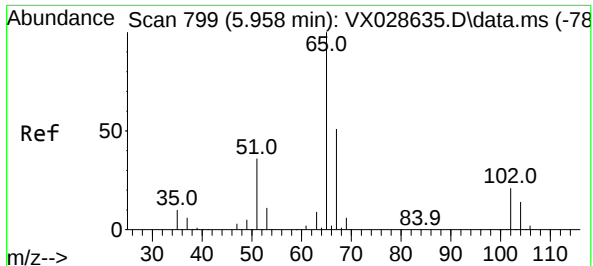
Tgt Ion:	84	Resp:	11333
Ion	Ratio	Lower	Upper
84	100		
49	118.3	85.5	128.3
51	31.7	26.6	39.8
86	65.4	51.5	77.3



#25
2-Butanone
Concen: 3.747 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion:	43	Resp:	8477
Ion	Ratio	Lower	Upper
43	100		
72	33.2	24.4	36.6

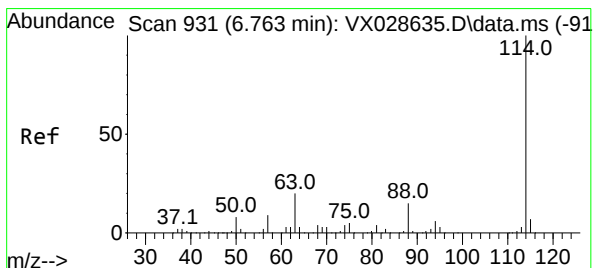
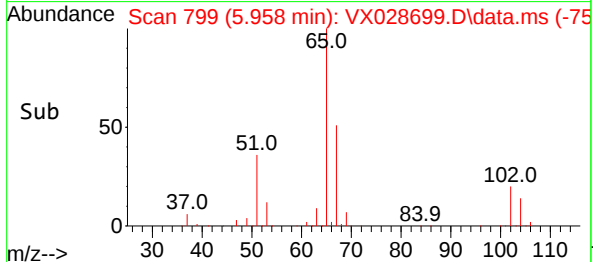
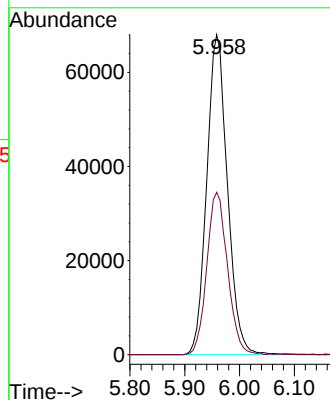
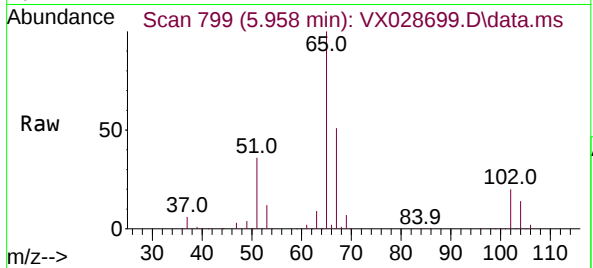




#33
 1,2-Dichloroethane-d4
 Concen: 52.952 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028699.D
 Acq: 14 May 2022 00:16

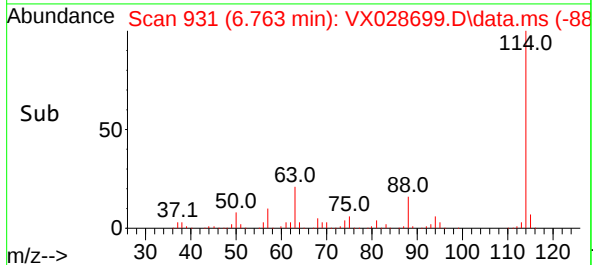
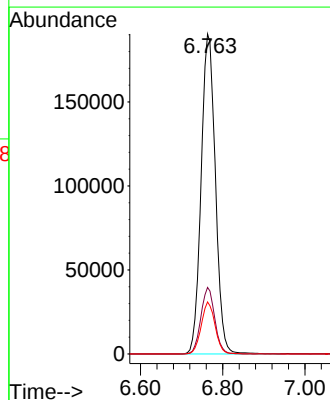
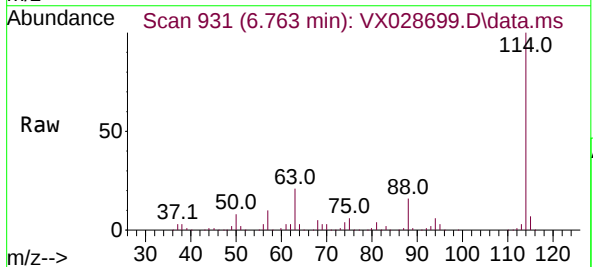
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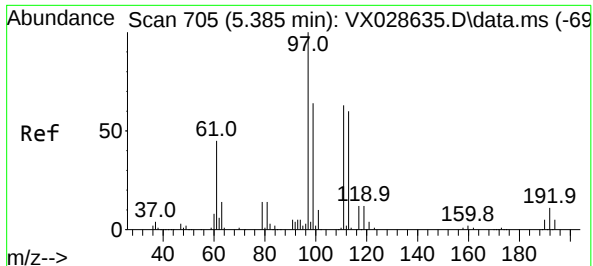
Tgt Ion: 65 Resp: 177837
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028699.D
 Acq: 14 May 2022 00:16

Tgt Ion: 114 Resp: 458947
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 36.8
 88 16.3 0.0 32.4

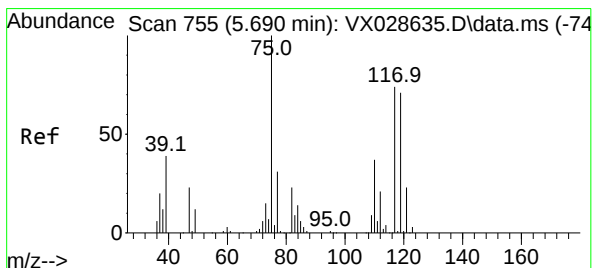
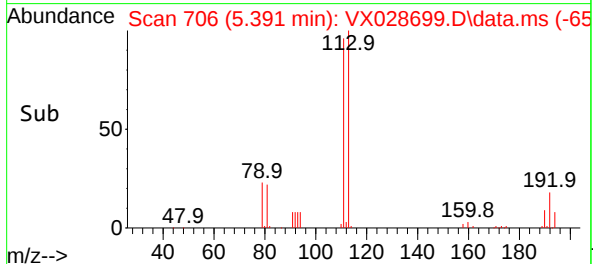
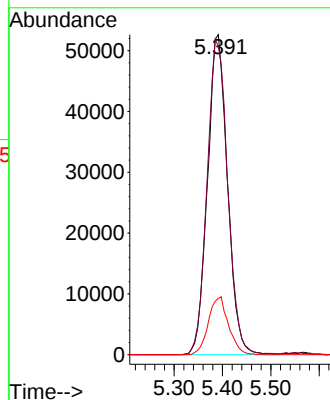
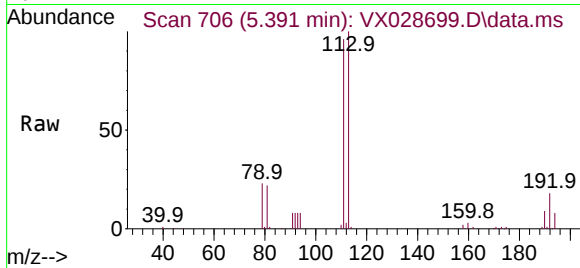




#35
Dibromofluoromethane
Concen: 50.304 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

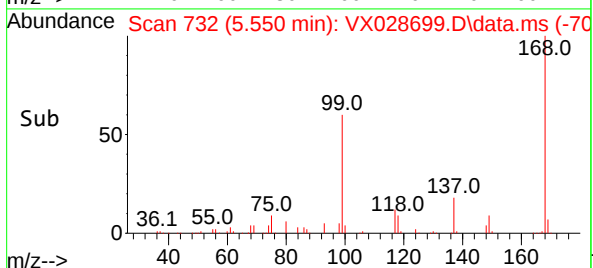
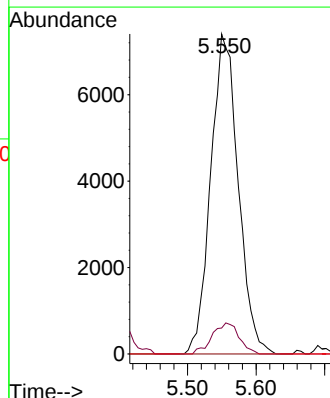
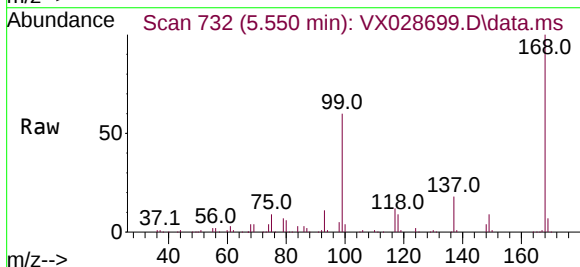
Instrument :
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ClientSampleId :
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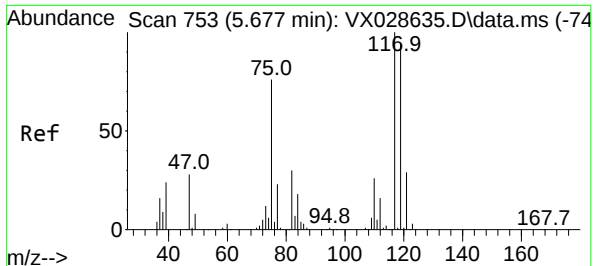
Tgt Ion:113 Resp: 151263
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 18.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 75 Resp: 20584
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#

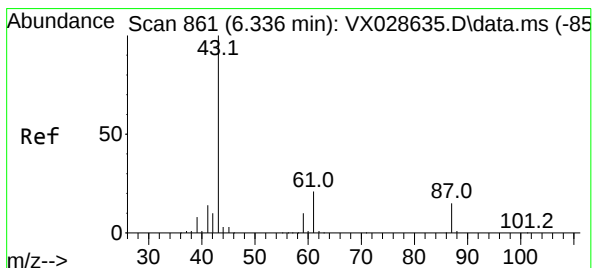
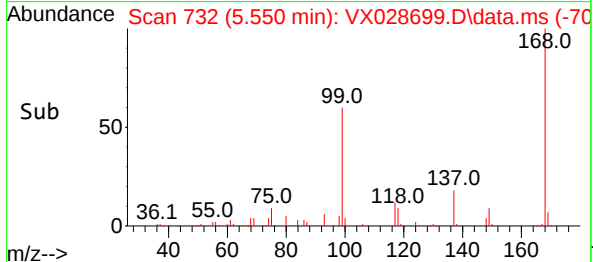
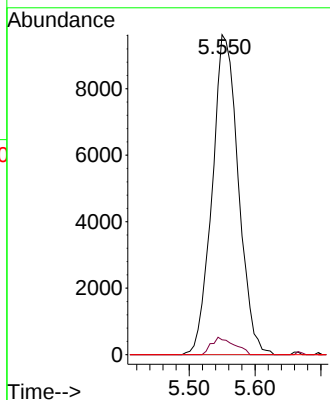
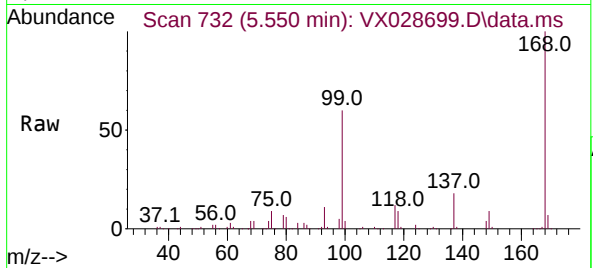




#38
Carbon Tetrachloride
Concen: 5.866 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

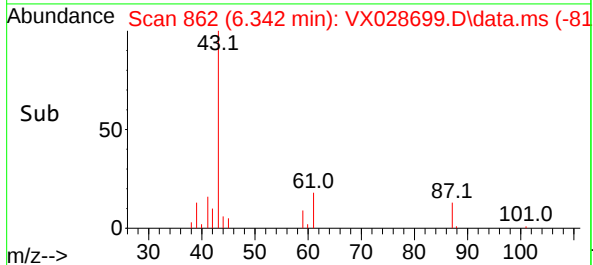
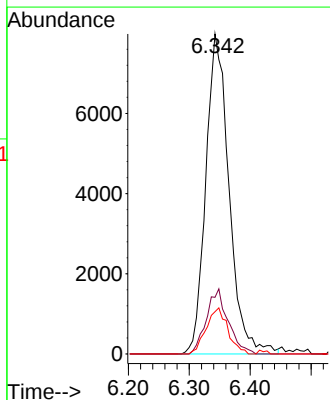
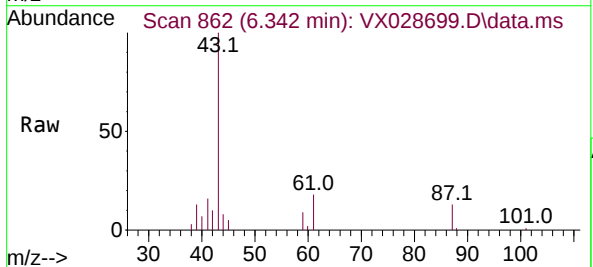
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

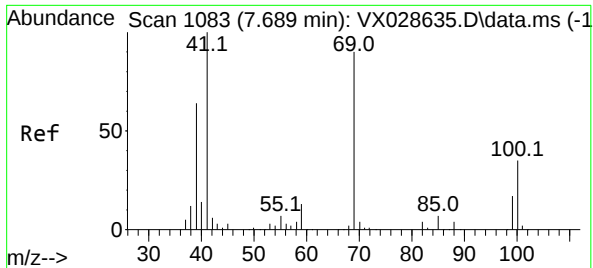
Tgt Ion:117 Resp: 26661
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.871 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 43 Resp: 21190
Ion Ratio Lower Upper
43 100
61 19.0 18.5 27.7
87 13.4 13.0 19.6

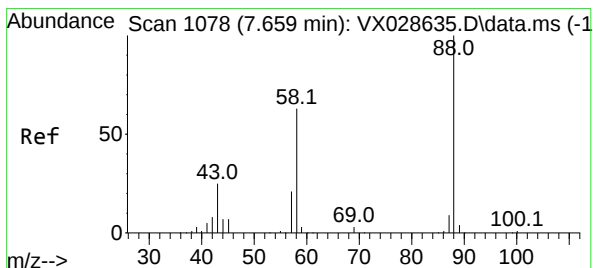
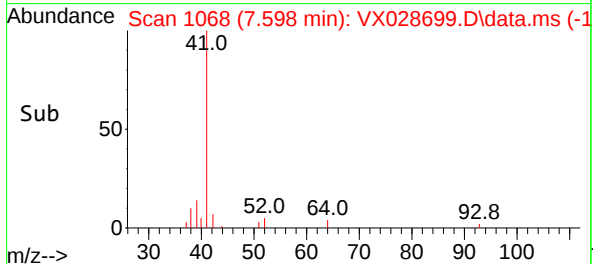
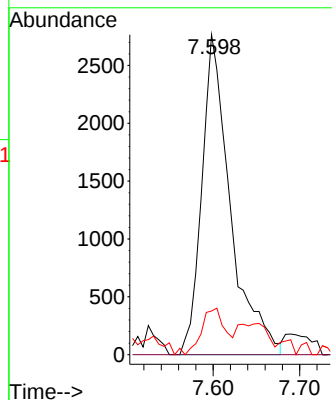
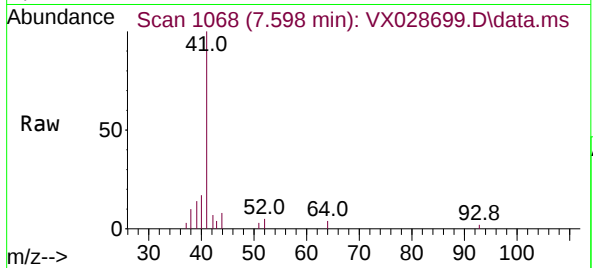




#48
Methyl methacrylate
Concen: 1.781 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.091 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

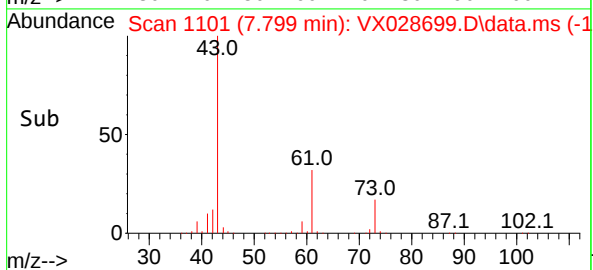
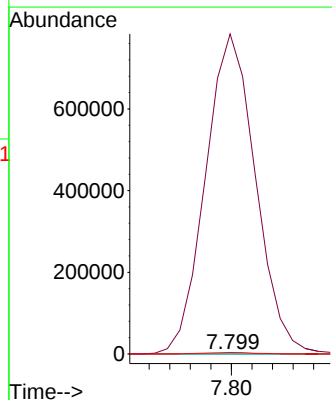
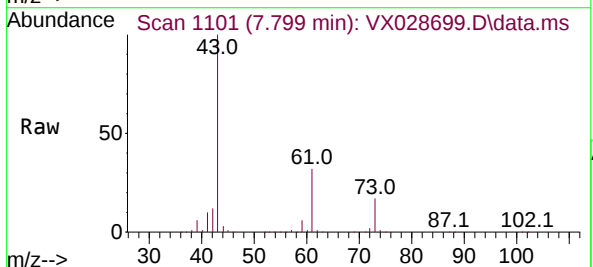
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

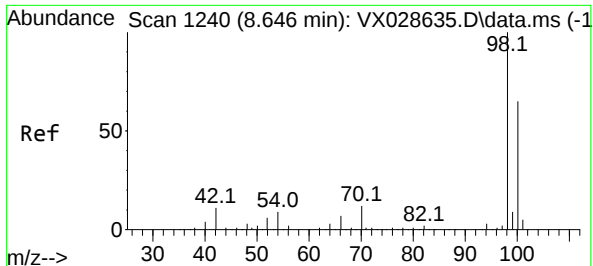
Tgt Ion: 41 Resp: 6350
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.335 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 88 Resp: 208
Ion Ratio Lower Upper
88 100
43 642259.1 21.9 32.9#
58 3004.8 53.7 80.5#

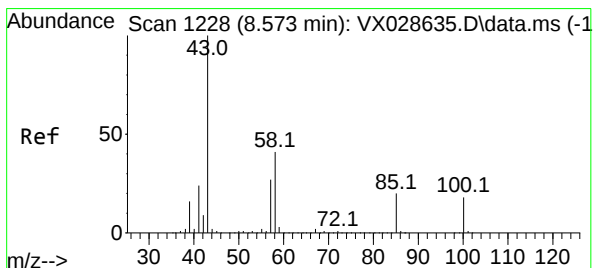
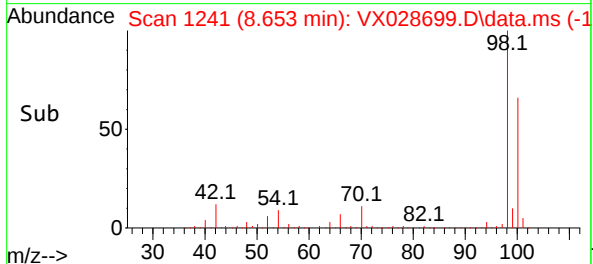
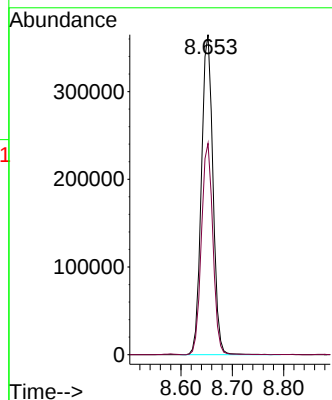
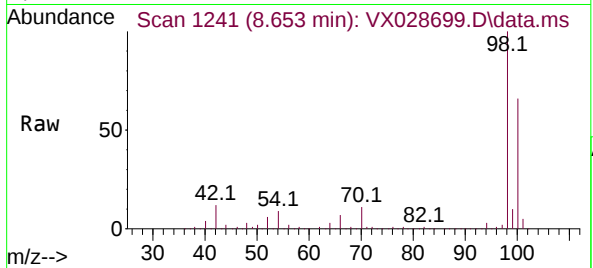




#50
Toluene-d8
Concen: 49.993 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

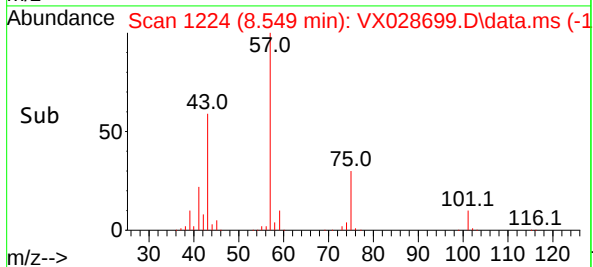
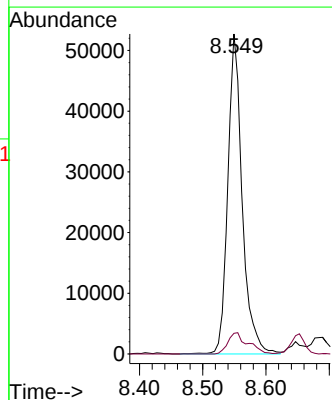
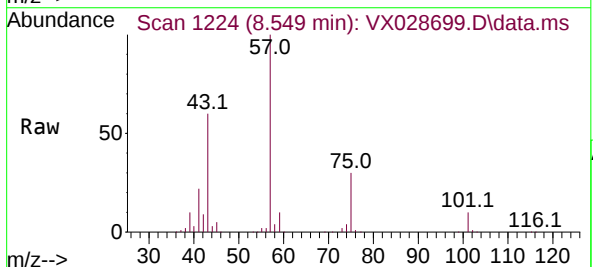
Instrument :
MSVOA_X
ClientSampleId :
PB144781TB

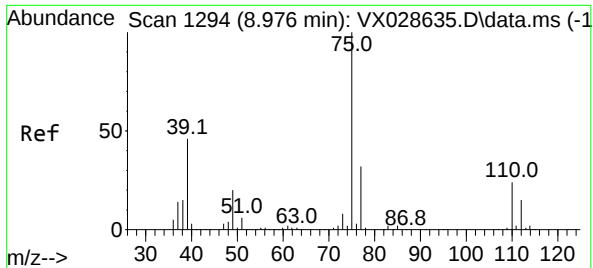
Tgt Ion: 98 Resp: 566756
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.140 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX028699.D
Acq: 14 May 2022 00:16

Tgt Ion: 43 Resp: 83319
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#





#53

t-1,3-Dichloropropene

Concen: 1.663 ug/l

RT: 8.982 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

Instrument :

MSVOA_X

ClientSampleId :

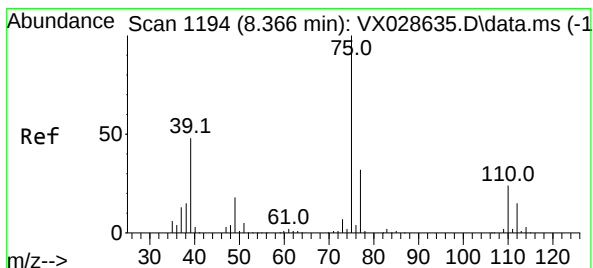
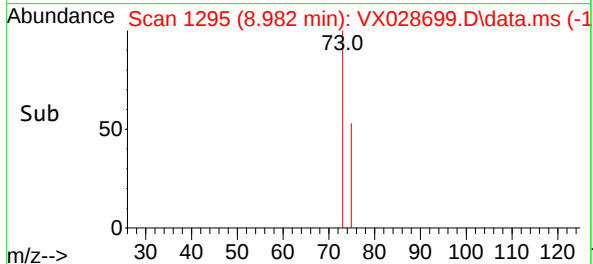
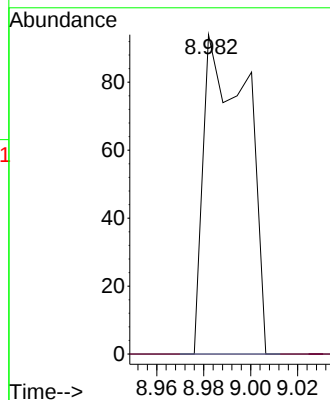
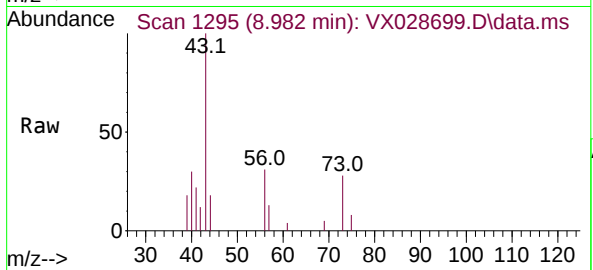
PB144781TB

Tgt Ion: 75 Resp: 120

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 7.628 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

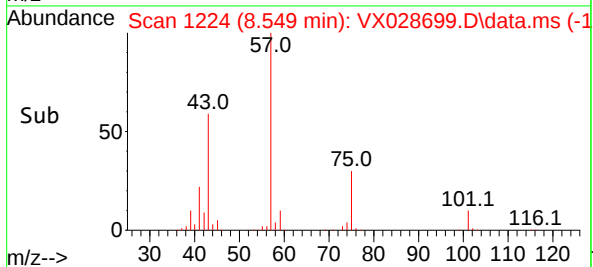
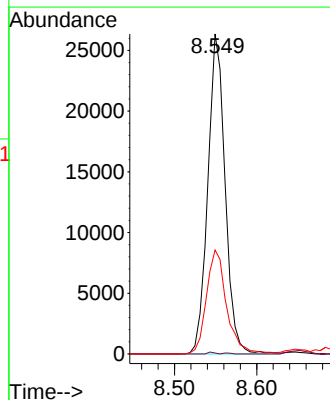
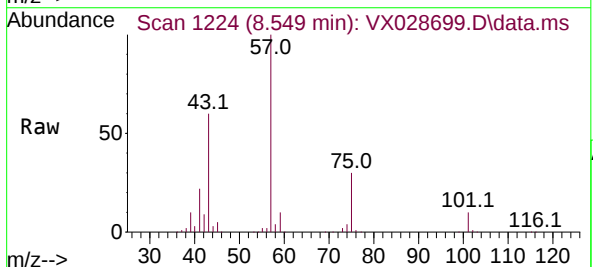
Tgt Ion: 75 Resp: 38538

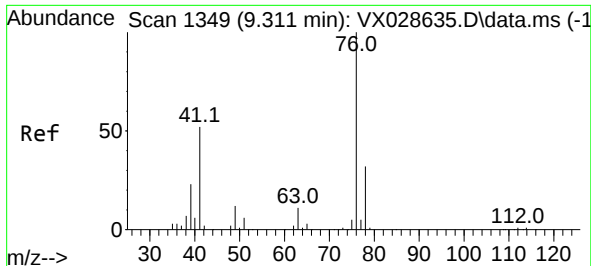
Ion Ratio Lower Upper

75 100

77 0.3 24.8 37.2#

39 32.5 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.664 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

Instrument :

MSVOA_X

ClientSampleId :

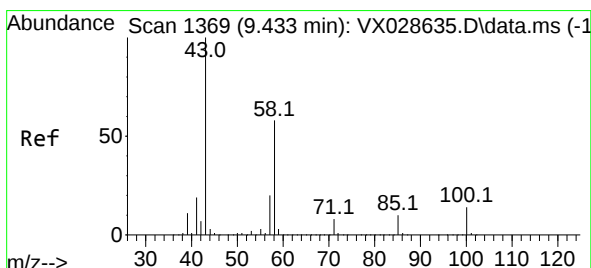
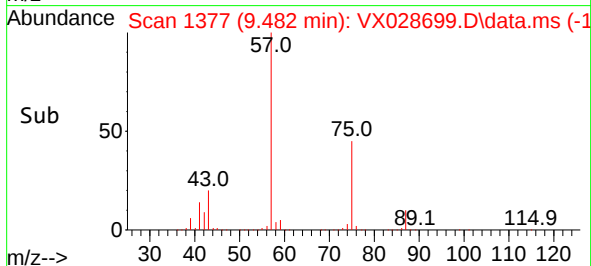
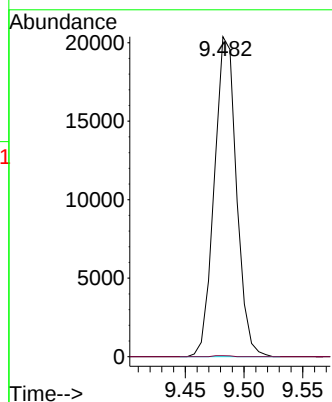
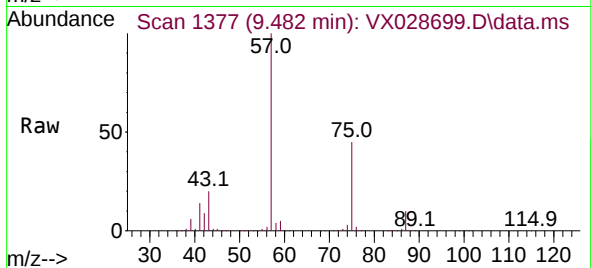
PB144781TB

Tgt Ion: 76 Resp: 26785

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 87.504 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028699.D

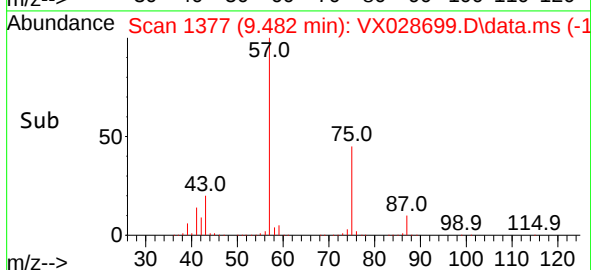
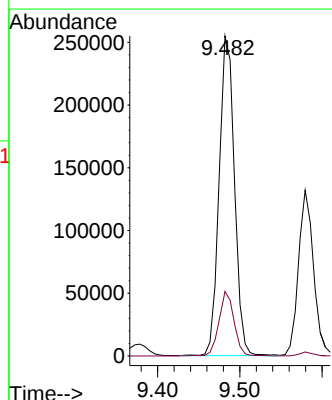
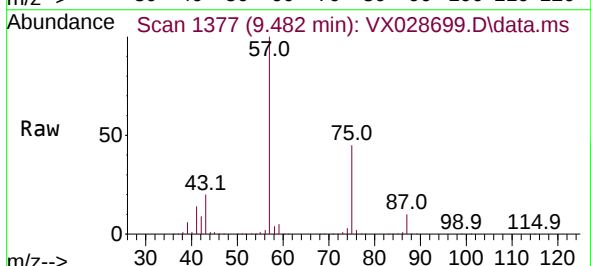
Acq: 14 May 2022 00:16

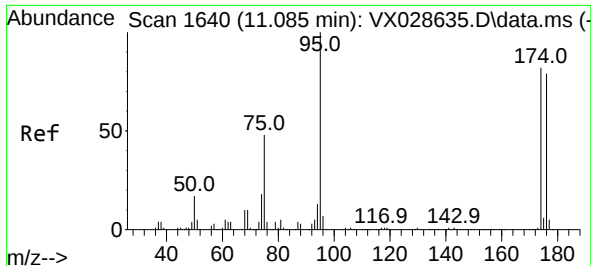
Tgt Ion: 43 Resp: 330480

Ion Ratio Lower Upper

43 100

58 19.9 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 50.345 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

Instrument :

MSVOA_X

ClientSampleId :

PB144781TB

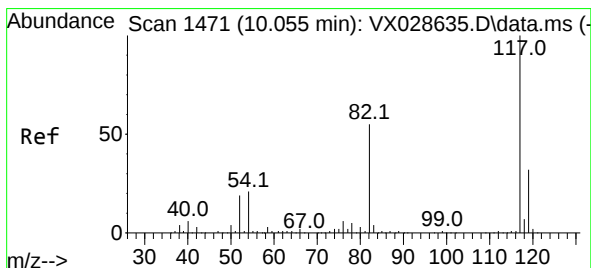
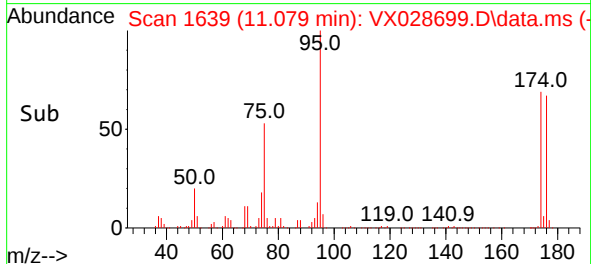
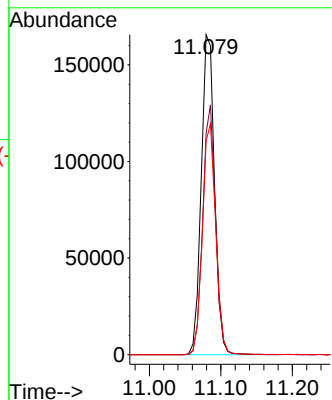
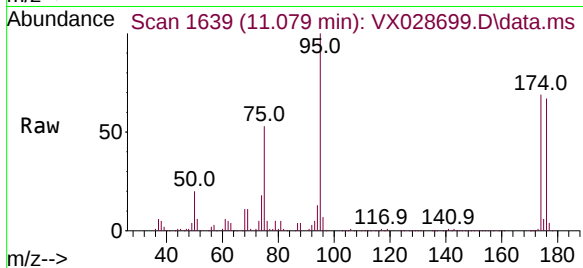
Tgt Ion: 95 Resp: 213177

Ion Ratio Lower Upper

95 100

174 76.0 0.0 163.0

176 72.0 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: VX028699.D

Acq: 14 May 2022 00:16

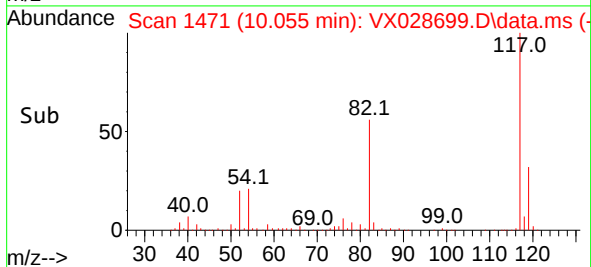
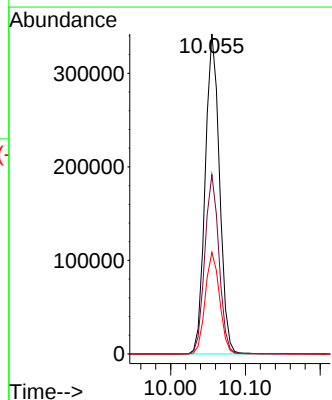
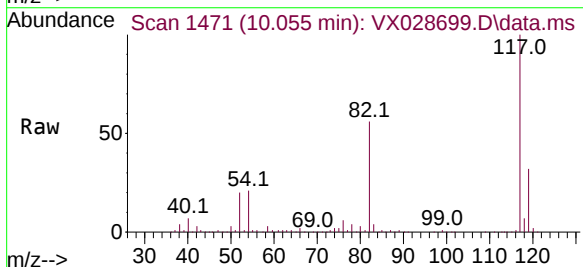
Tgt Ion: 117 Resp: 454228

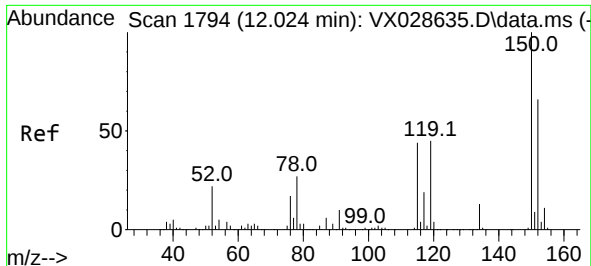
Ion Ratio Lower Upper

117 100

82 56.1 41.8 62.8

119 31.7 24.8 37.2

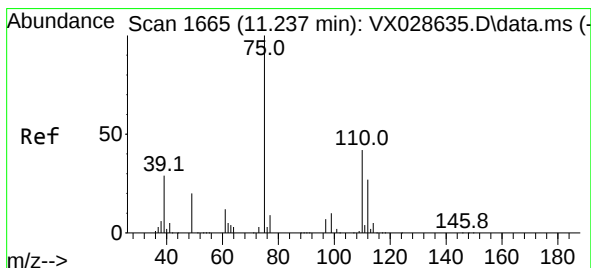
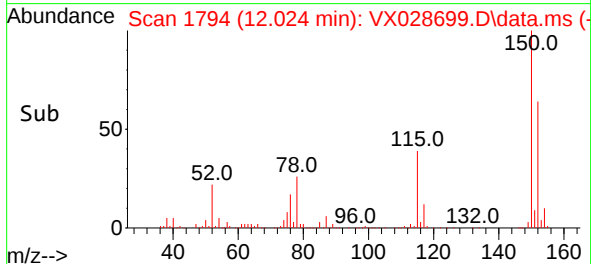
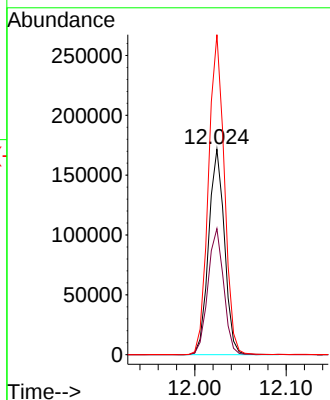
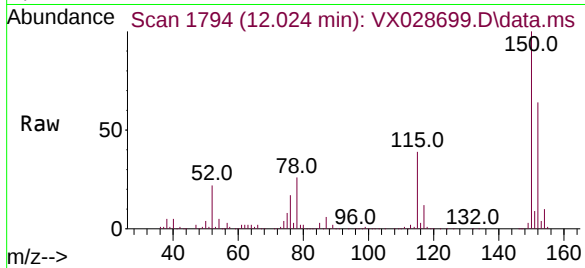




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028699.D
 Acq: 14 May 2022 00:16

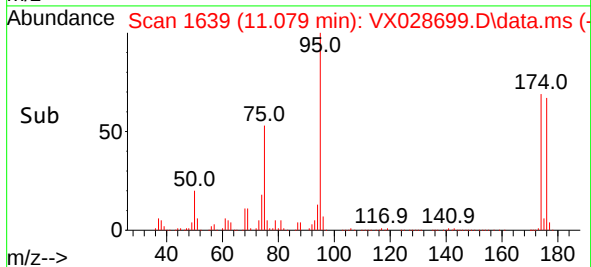
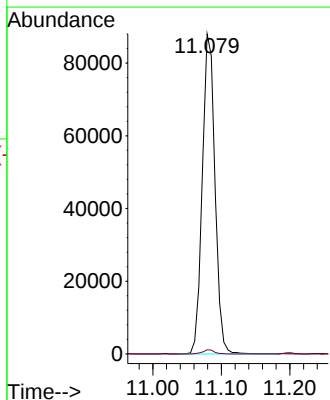
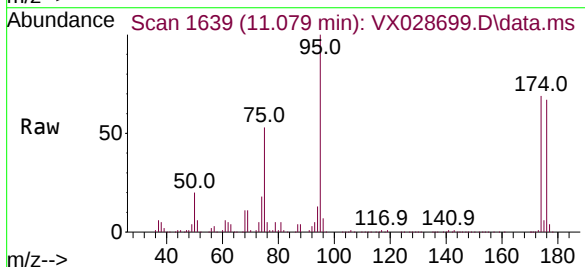
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781TB

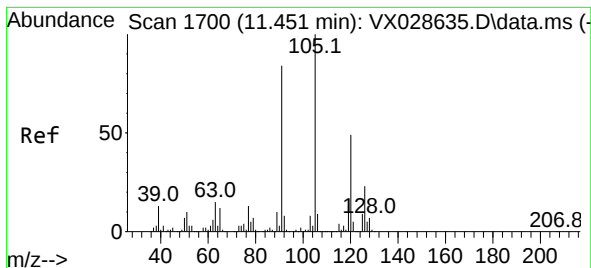
Tgt Ion:152 Resp: 205753
 Ion Ratio Lower Upper
 152 100
 115 61.1 37.5 112.7
 150 156.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.554 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028699.D
 Acq: 14 May 2022 00:16

Tgt Ion: 75 Resp: 113494
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.465 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

Instrument :

MSVOA_X

ClientSampleId :

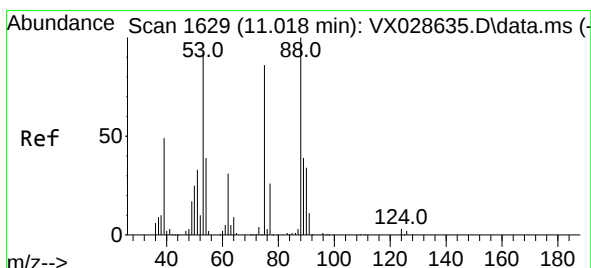
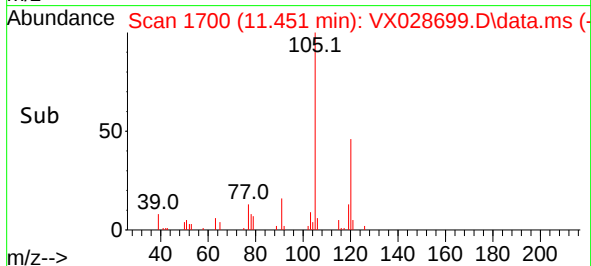
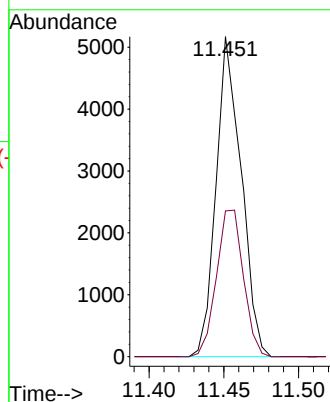
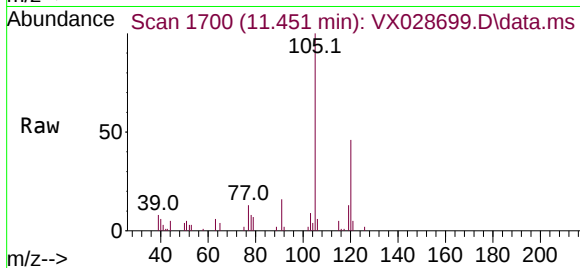
PB144781TB

Tgt Ion:105 Resp: 6041

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 68.697 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028699.D

Acq: 14 May 2022 00:16

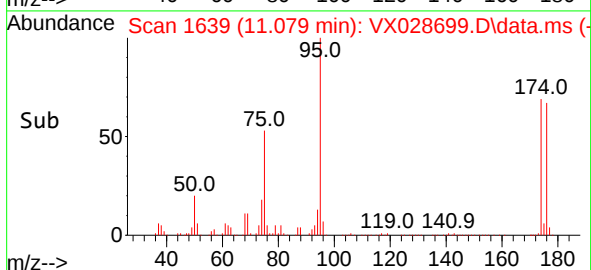
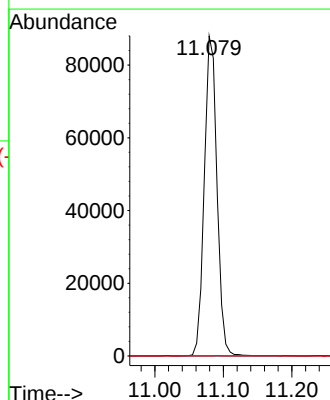
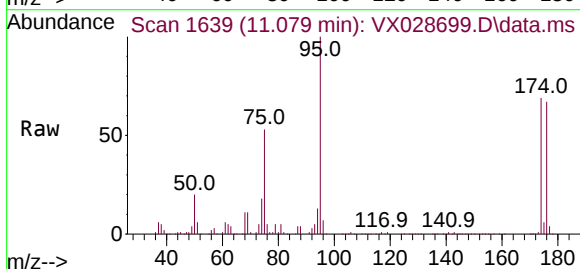
Tgt Ion: 75 Resp: 113494

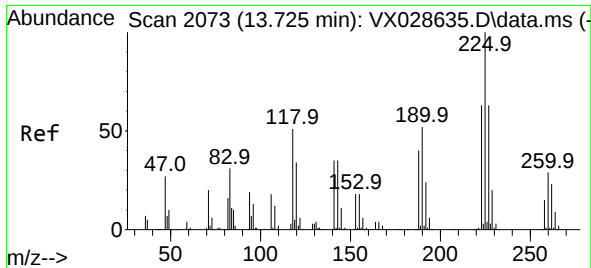
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

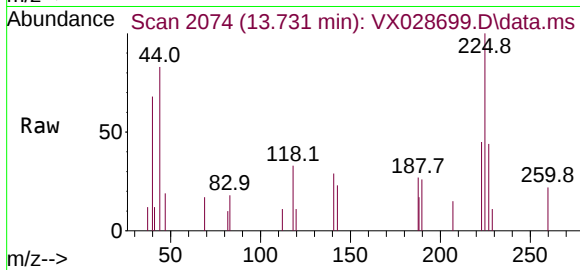
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: 0.328 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX028699.D
 Acq: 14 May 2022 00:16

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781TB



Tgt Ion:	225	Resp:	547
Ion	Ratio	Lower	Upper
225	100		
223	59.6	34.2	102.5
227	59.2	33.9	101.7

