

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026991.D
 Acq On : 12 Feb 2022 00:57
 Operator : JC/MD
 Sample : PB142590TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142590TB

Quant Time: Feb 12 04:41:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

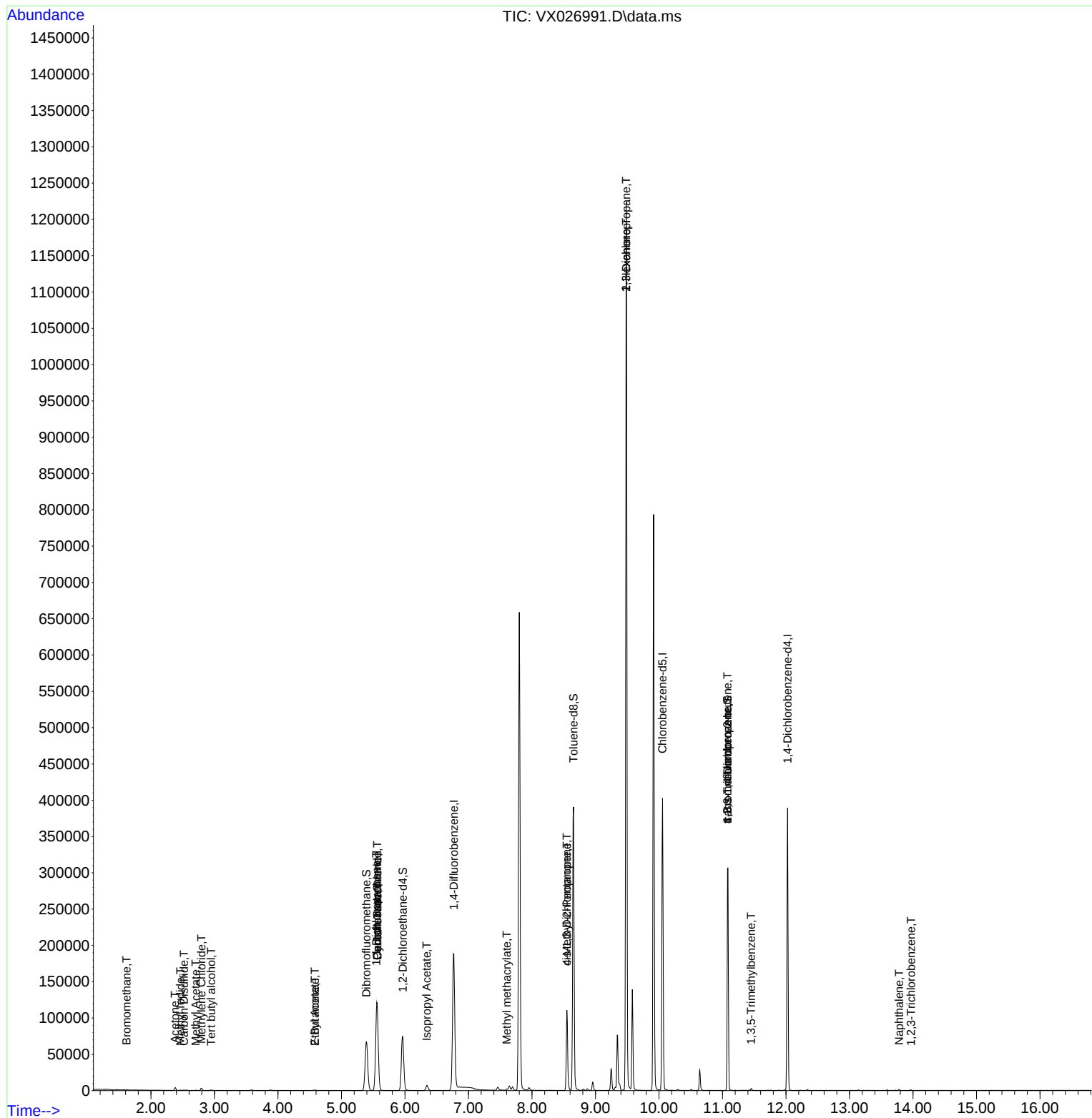
Internal Standards						
1) Pentafluorobenzene	5.562	168	114828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	193938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74176	53.813	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.620%		
35) Dibromofluoromethane	5.391	113	60737	52.566	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.140%		
50) Toluene-d8	8.653	98	228901	53.969	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 107.940%		
62) 4-Bromofluorobenzene	11.079	95	85511	57.266	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 114.540%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	187	0.362	ug/l	84
10) Methyl Iodide	2.465	142	460	2.524	ug/l #	83
11) Tert butyl alcohol	2.947	59	429	1.723	ug/l #	75
16) Acetone	2.380	43	4425	7.309	ug/l	93
17) Carbon Disulfide	2.520	76	759	0.228	ug/l #	74
18) Methyl Acetate	2.703	43	546	0.313	ug/l #	68
20) Methylene Chloride	2.794	84	1468	1.119	ug/l	96
25) 2-Butanone	4.581	43	1065	1.092	ug/l	92
31) Cyclohexane	5.562	56	2338	1.067	ug/l #	3
36) 1,1-Dichloropropene	5.550	75	8896	4.880	ug/l #	50
37) Ethyl Acetate	4.581	43	1065	0.514	ug/l #	69
38) Carbon Tetrachloride	5.562	117	11860	6.205	ug/l #	17
43) Isopropyl Acetate	6.342	43	9668	3.033	ug/l	99
48) Methyl methacrylate	7.604	41	3102	1.964	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	37530	19.431	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	17179	8.735	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	10551	4.825	ug/l #	43
59) 2-Hexanone	9.482	43	147543	104.438	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	42797	24.777	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1220	0.239	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	42797	75.607	ug/l #	3
95) Naphthalene	13.780	128	1183	0.205	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	364	0.218	ug/l	94

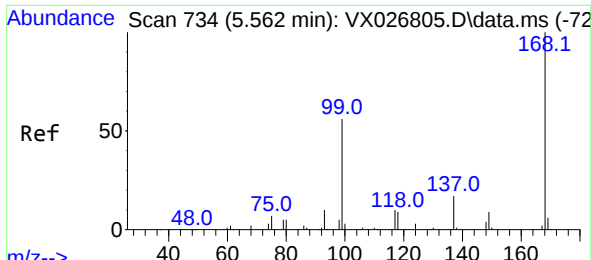
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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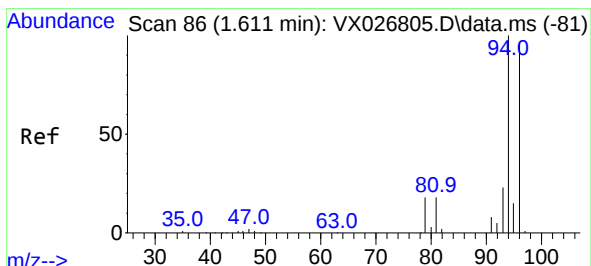
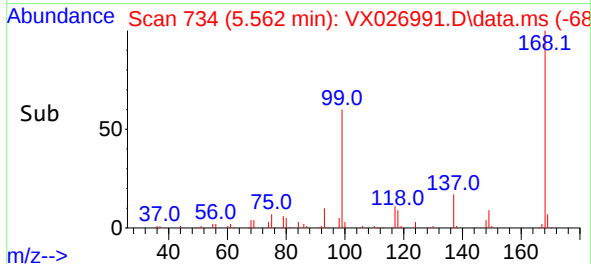
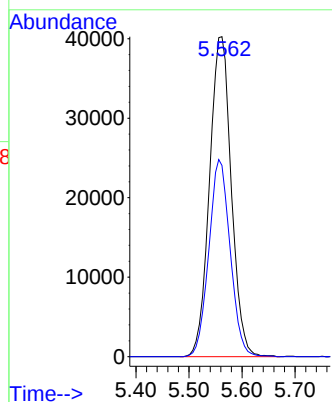
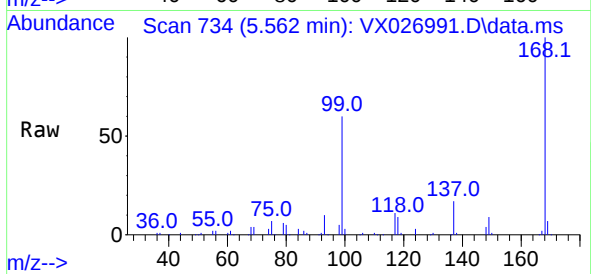




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

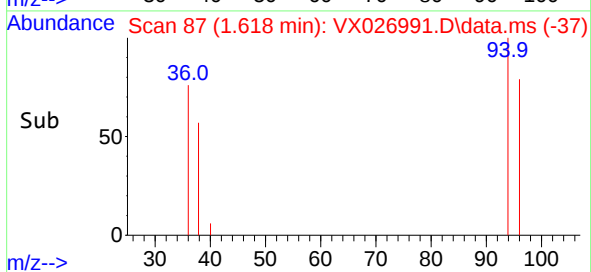
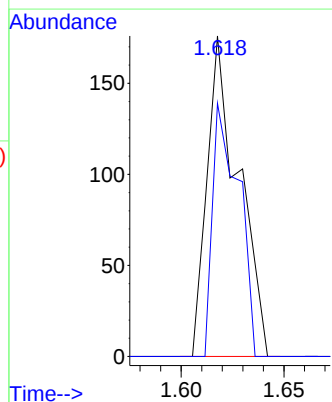
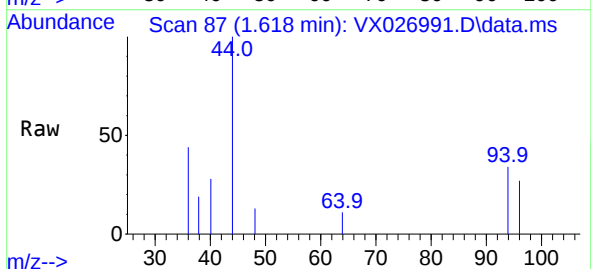
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

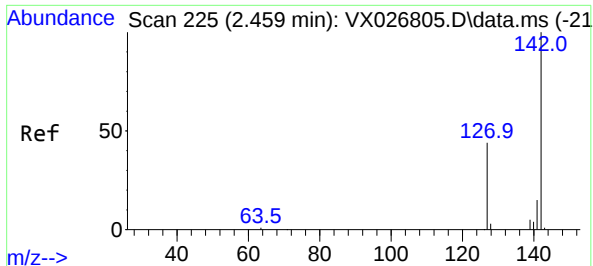
Tgt Ion:168 Resp: 114828
Ion Ratio Lower Upper
168 100
99 59.7 50.3 75.5



#5
Bromomethane
Concen: 0.362 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 79.0 75.9 113.9

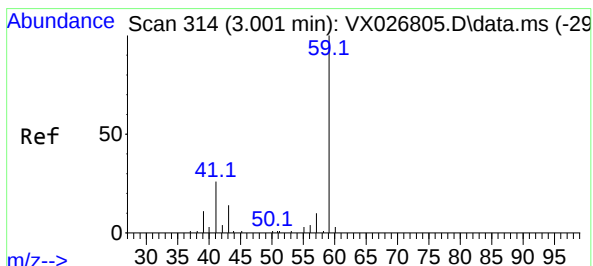
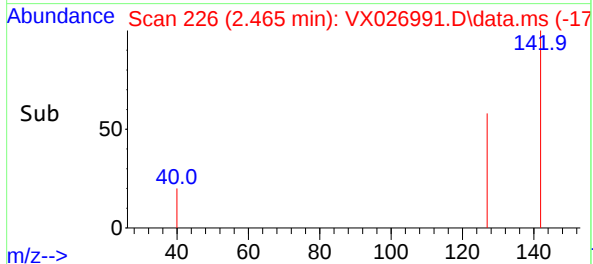
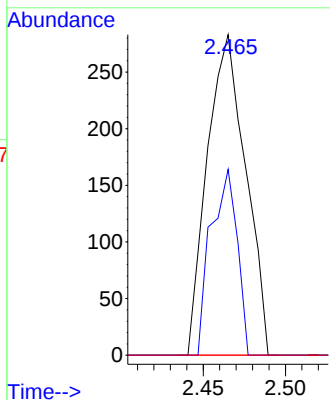
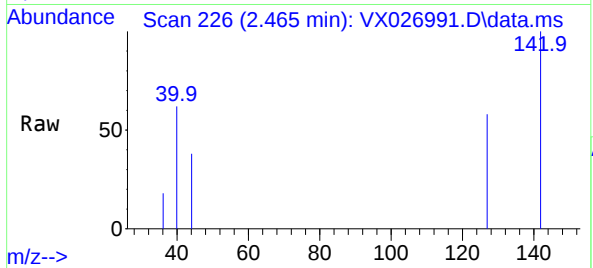




#10
Methyl Iodide
Concen: 2.524 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

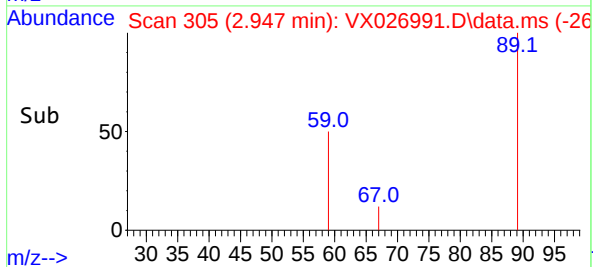
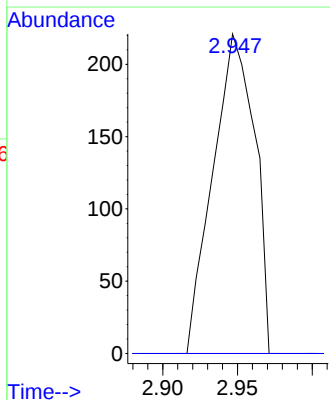
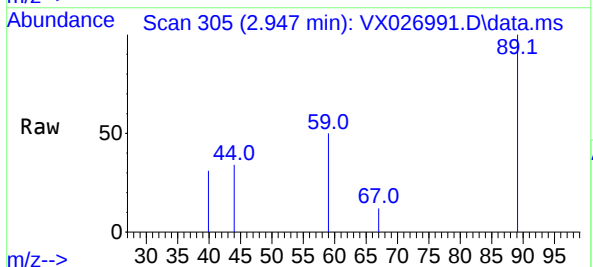
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

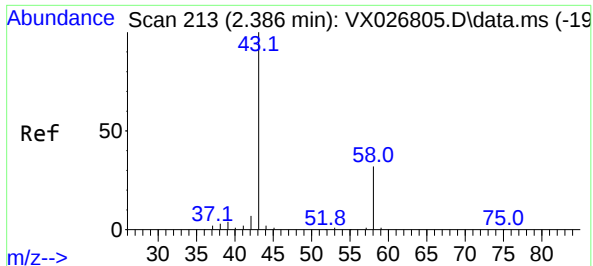
Tgt Ion:142 Resp: 460
Ion Ratio Lower Upper
142 100
127 39.6 38.1 57.1
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 1.723 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.054 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

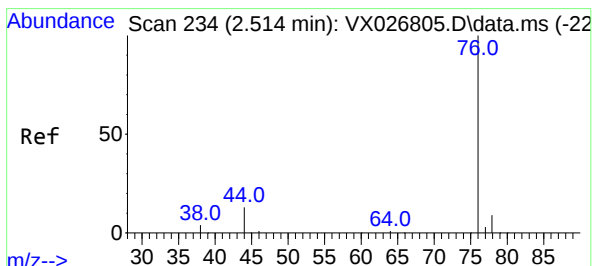
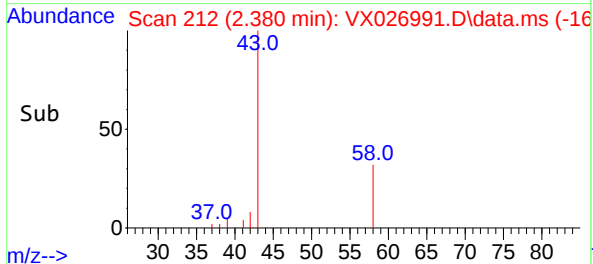
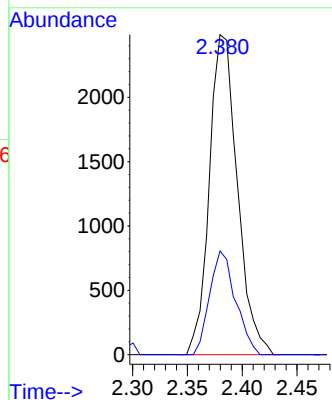
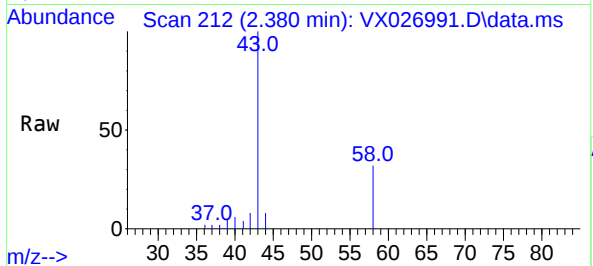




#16
Acetone
Concen: 7.309 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

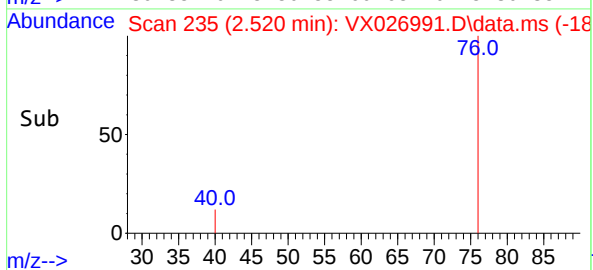
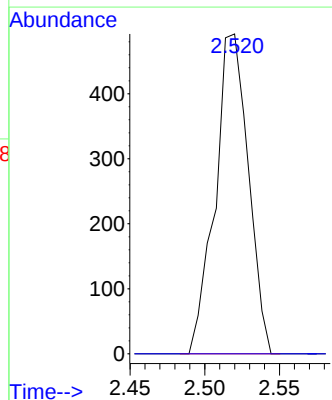
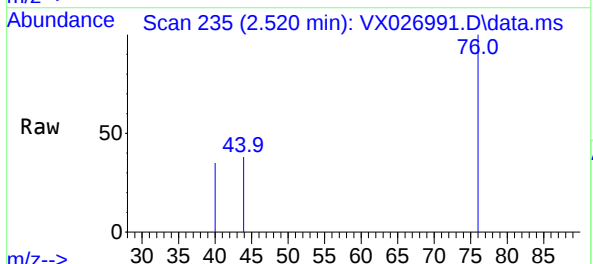
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

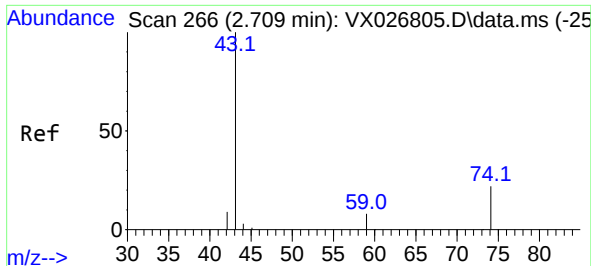
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
58 32.4 23.0 34.6



#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 76 Resp: 759
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

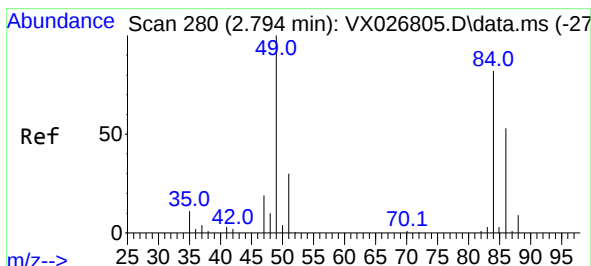
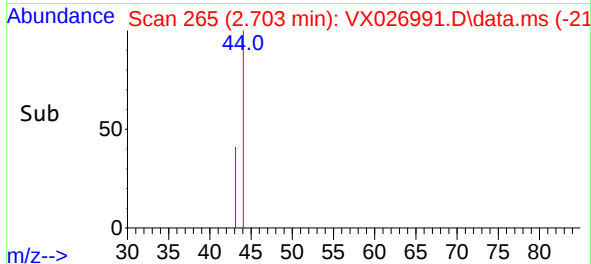
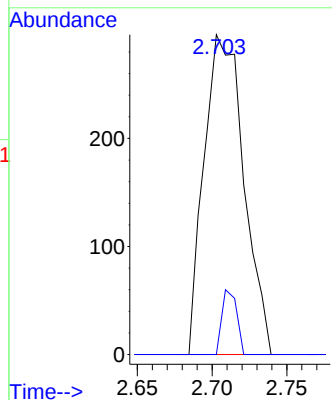
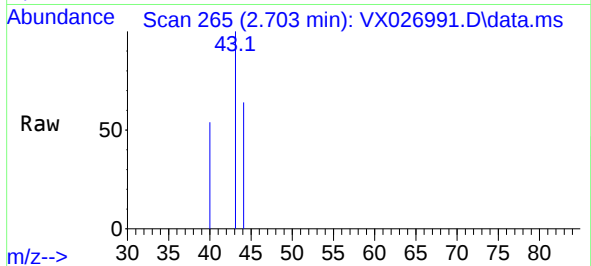




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

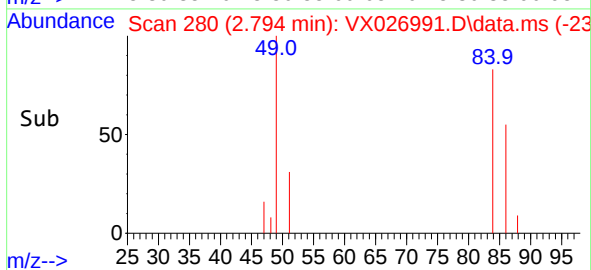
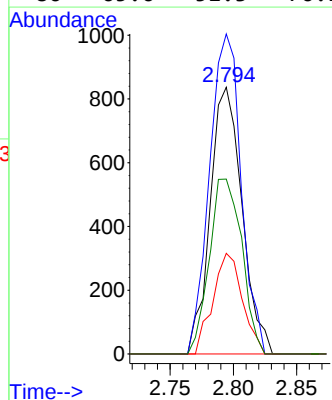
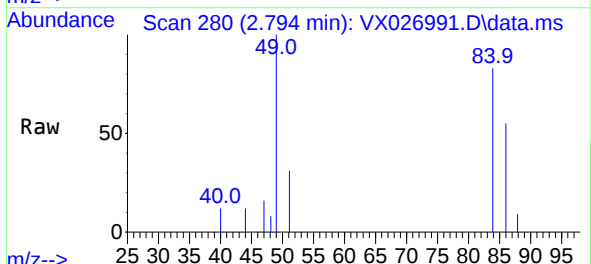
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

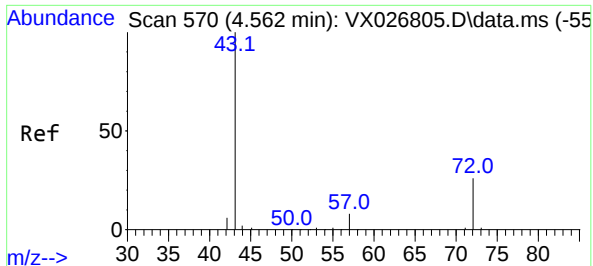
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
74 7.5 18.3 27.5#



#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 84 Resp: 1468
Ion Ratio Lower Upper
84 100
49 120.0 101.5 152.3
51 37.8 31.2 46.8
86 65.6 51.3 76.9





#25

2-Butanone

Concen: 1.092 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026991.D

Acq: 12 Feb 2022 00:57

Instrument :

MSVOA_X

ClientSampleId :

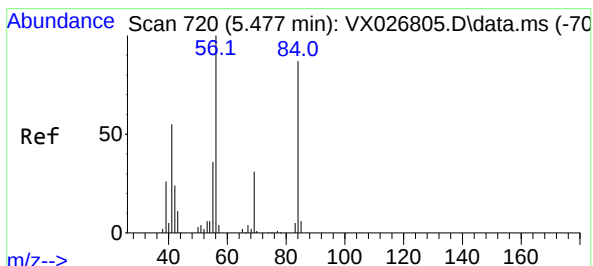
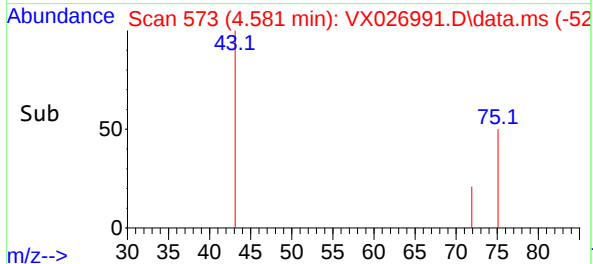
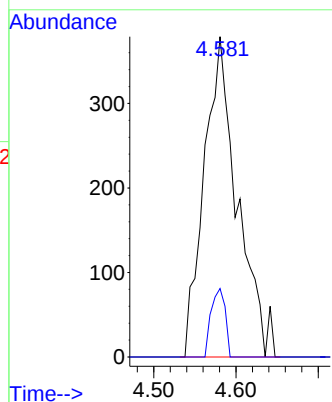
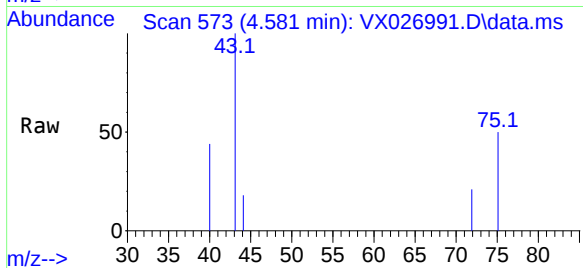
PB142590TB

Tgt Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

72 21.4 20.4 30.6



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.086 min

Lab File: VX026991.D

Acq: 12 Feb 2022 00:57

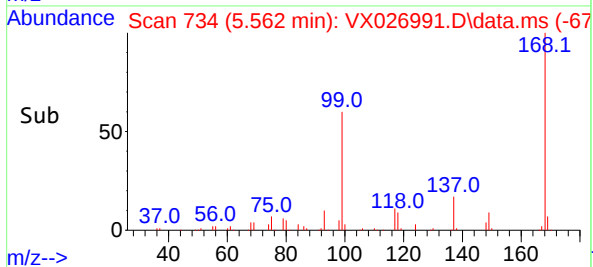
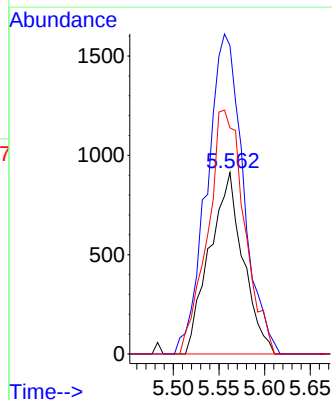
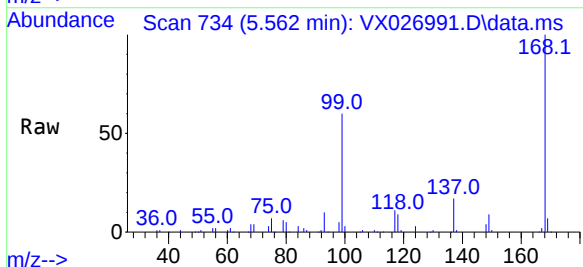
Tgt Ion: 56 Resp: 2338

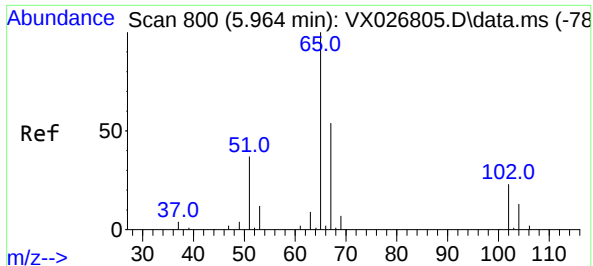
Ion Ratio Lower Upper

56 100

69 169.8 25.8 38.6#

84 124.5 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.813 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026991.D

Acq: 12 Feb 2022 00:57

Instrument :

MSVOA_X

ClientSampleId :

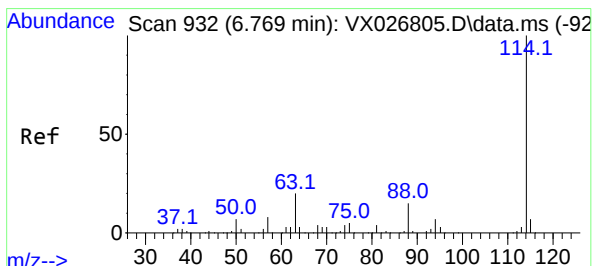
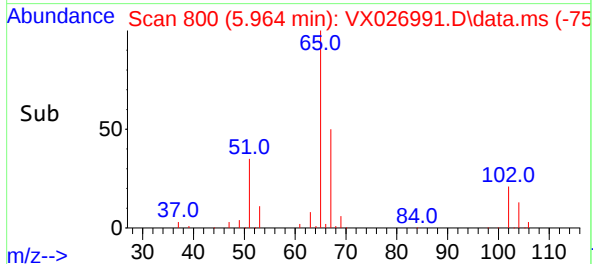
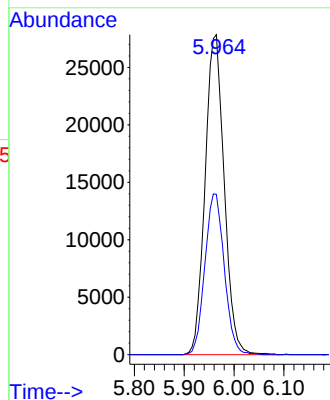
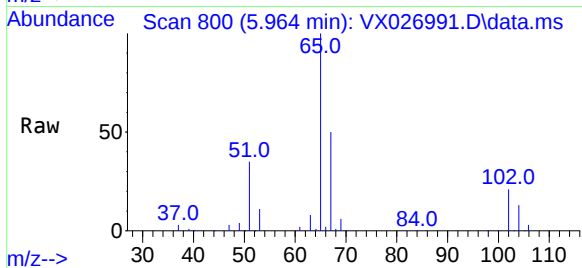
PB142590TB

Tgt Ion: 65 Resp: 74176

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026991.D

Acq: 12 Feb 2022 00:57

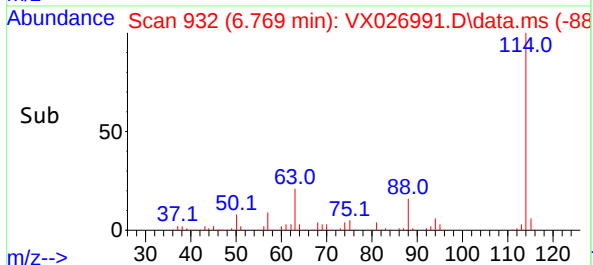
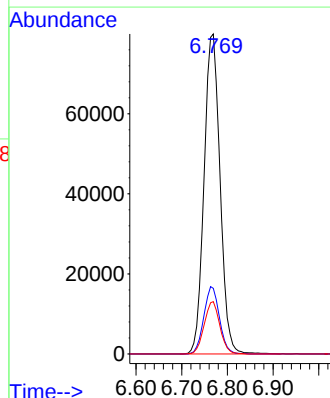
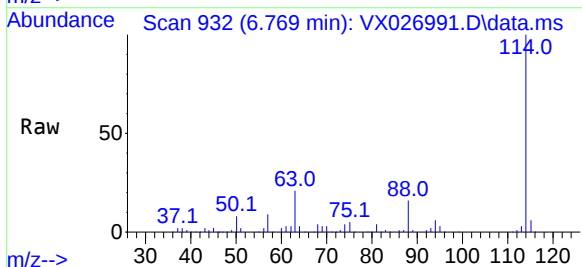
Tgt Ion: 114 Resp: 193938

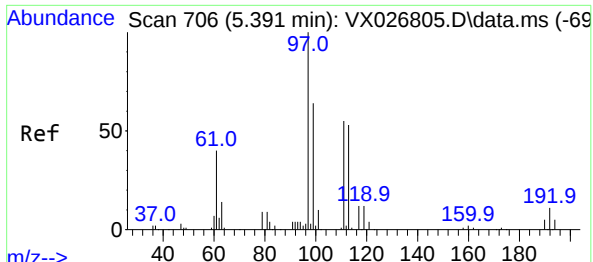
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

88 16.4 0.0 33.0



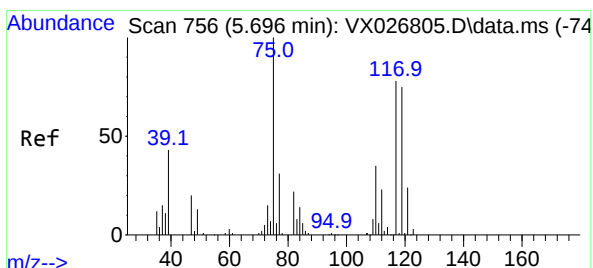
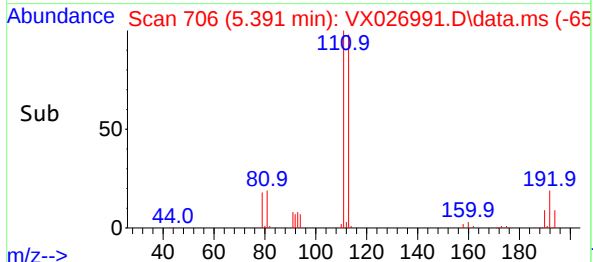
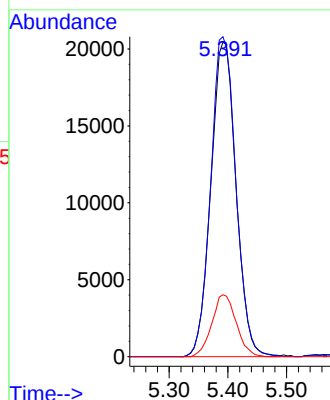
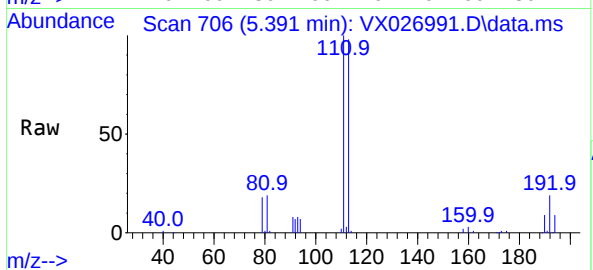


#35
Dibromofluoromethane
Concen: 52.566 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

Tgt Ion:113 Resp: 60737

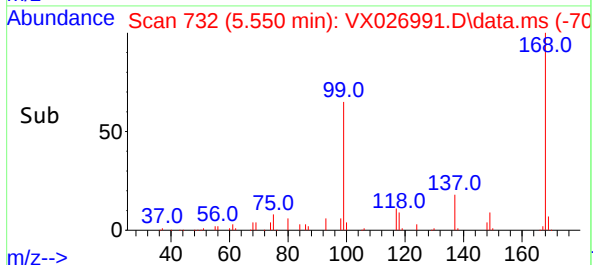
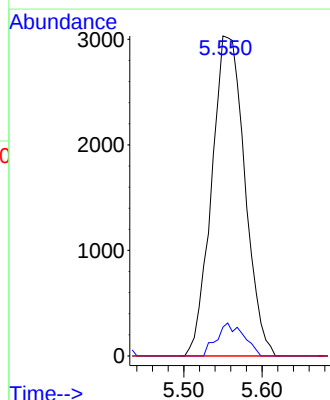
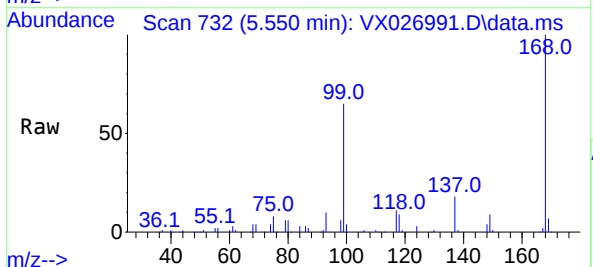
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.2	121.8
192	19.1	15.0	22.4

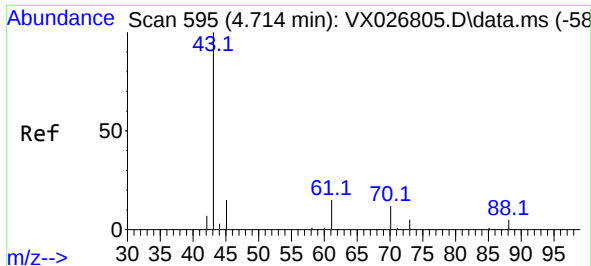


#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 75 Resp: 8896

Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.2	51.6#
77	0.0	24.6	36.8#

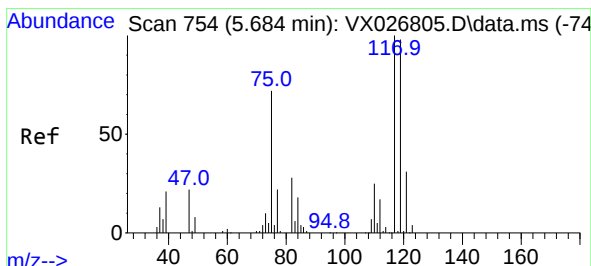
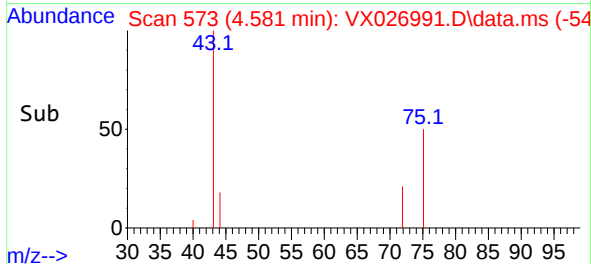
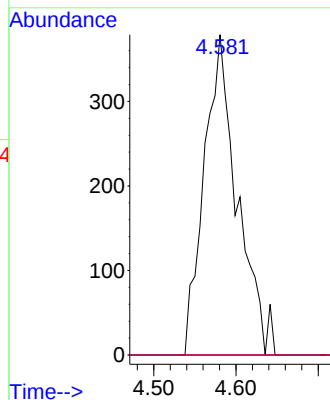
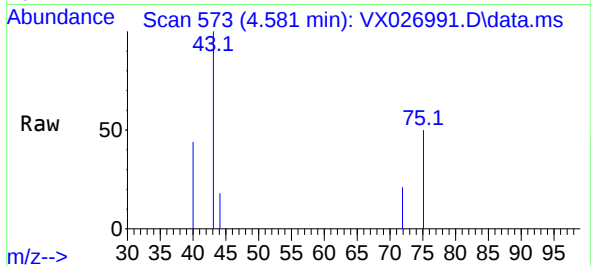




#37
Ethyl Acetate
Concen: 0.514 ug/l
RT: 4.581 min Scan# 51
Delta R.T. -0.134 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

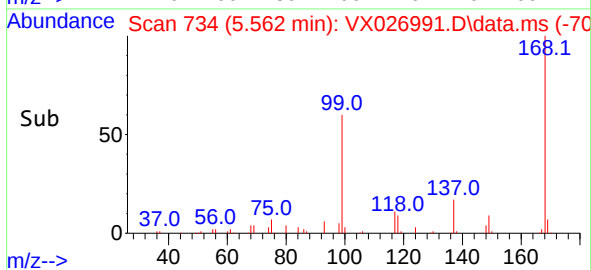
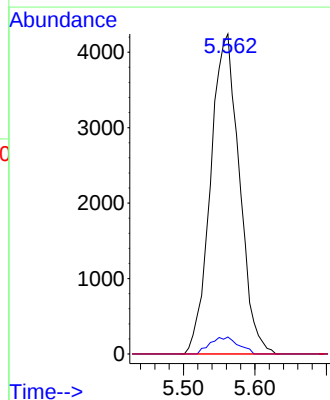
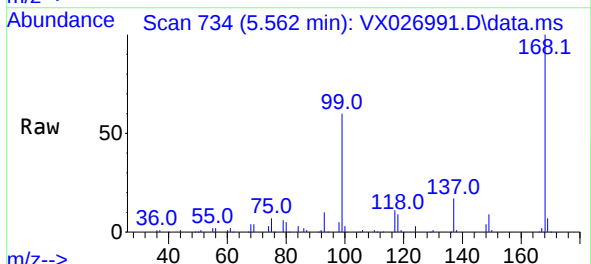
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

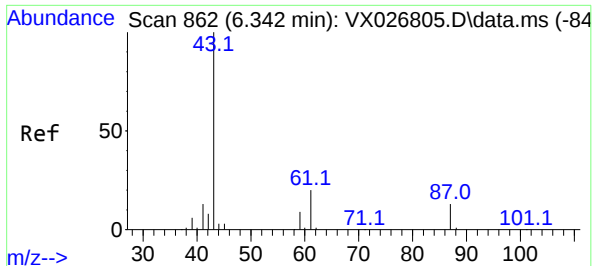
Tgt Ion:	43	Resp:	1065
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.5	12.7#



#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion:	117	Resp:	11860
Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.7	112.1#
121	0.0	25.4	38.0#

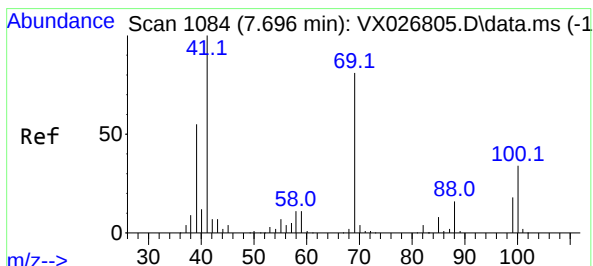
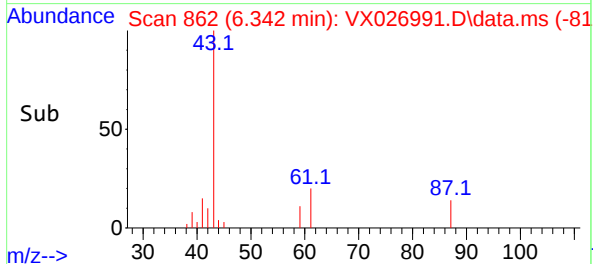
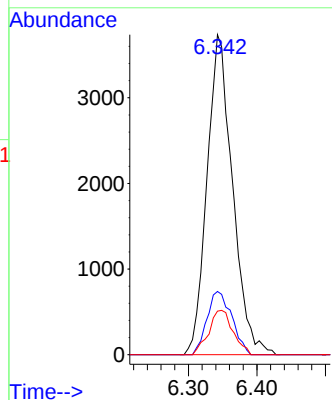
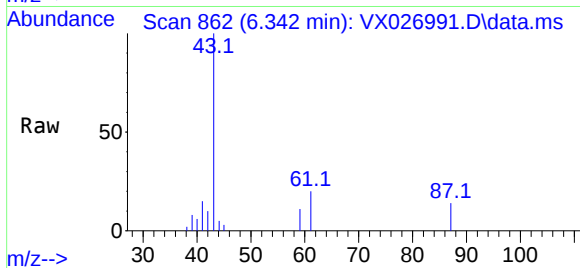




#43
Isopropyl Acetate
Concen: 3.033 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

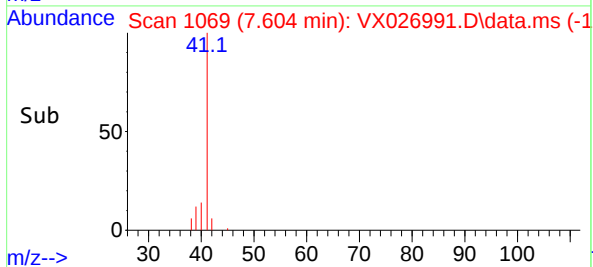
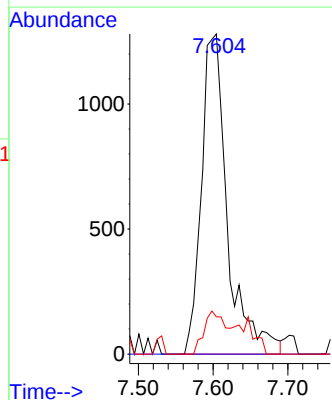
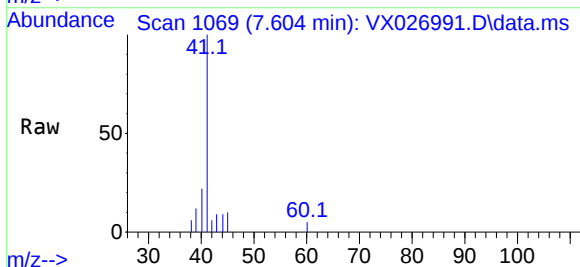
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

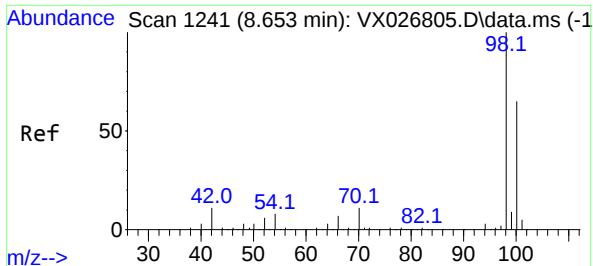
Tgt Ion:	43	Resp:	9668
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.2	10.2	15.2



#48
Methyl methacrylate
Concen: 1.964 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion:	41	Resp:	3102
Ion	Ratio	Lower	Upper
41	100		
69	0.0	62.2	93.4#
39	0.0	45.4	68.0#





#50

Toluene-d8

Concen: 53.969 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026991.D

Acq: 12 Feb 2022 00:57

Instrument :

MSVOA_X

ClientSampleId :

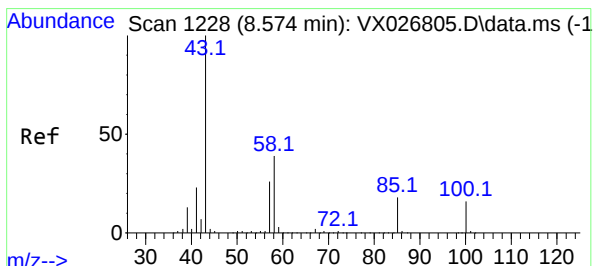
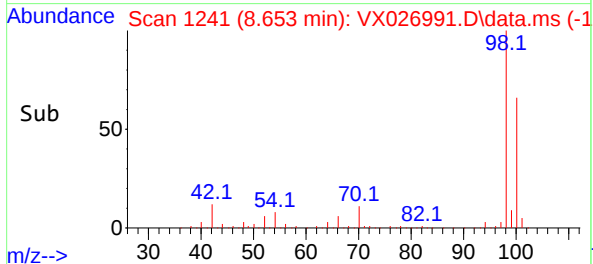
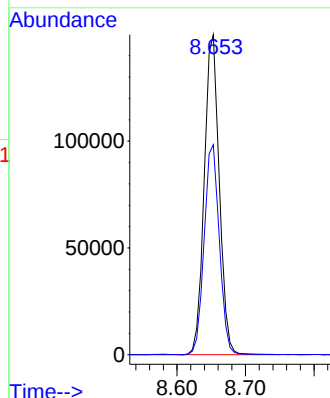
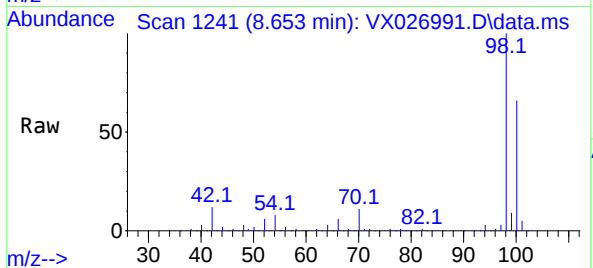
PB142590TB

Tgt Ion: 98 Resp: 228901

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 19.431 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX026991.D

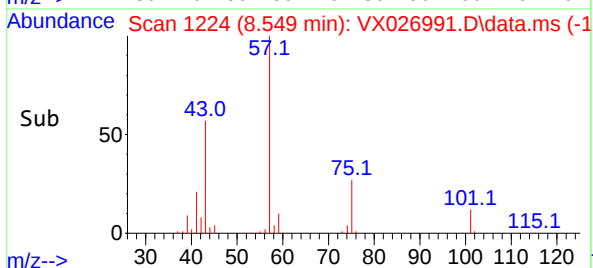
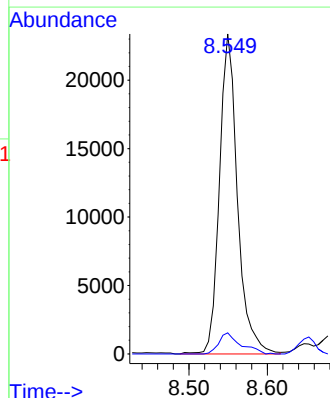
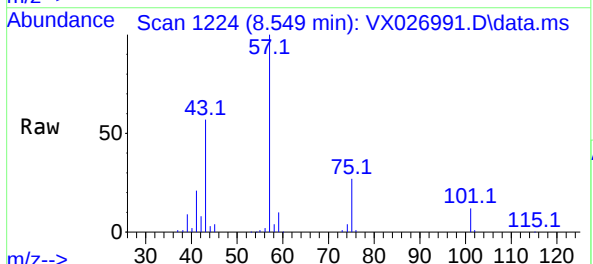
Acq: 12 Feb 2022 00:57

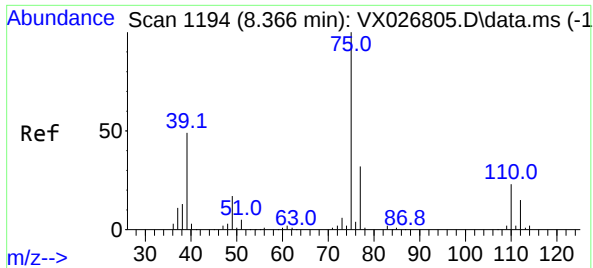
Tgt Ion: 43 Resp: 37530

Ion Ratio Lower Upper

43 100

58 8.0 30.5 45.7#

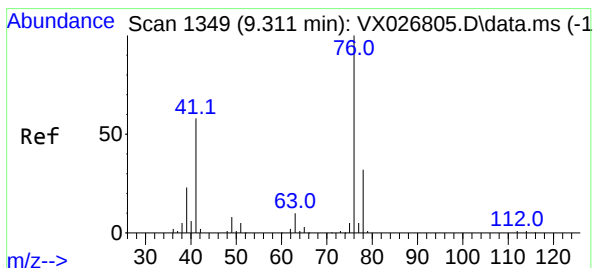
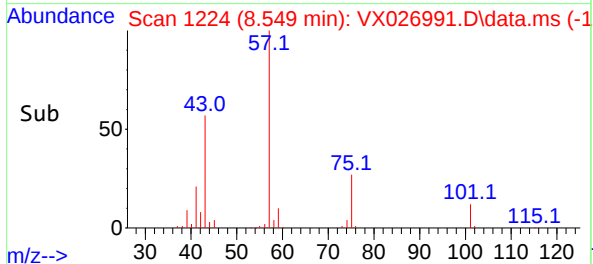
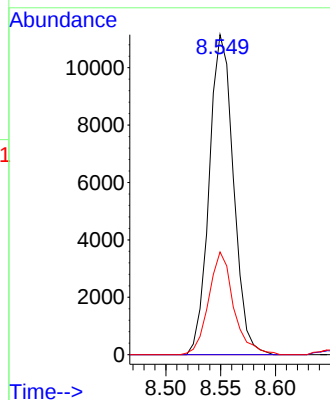
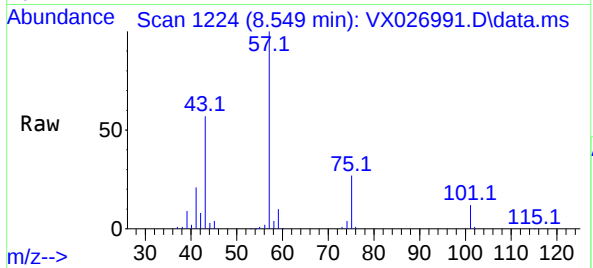




#54
cis-1,3-Dichloropropene
Concen: 8.735 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

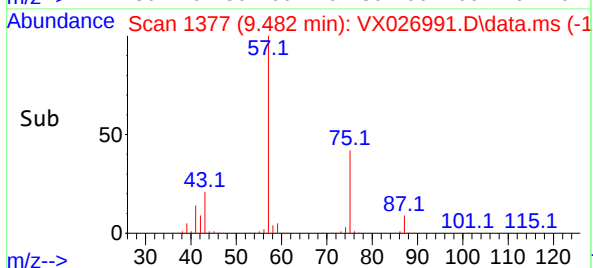
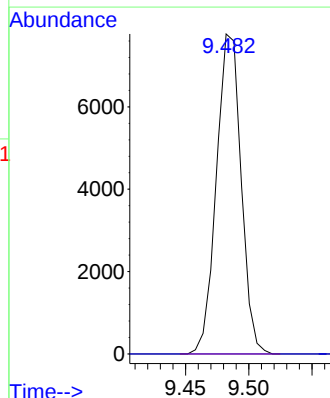
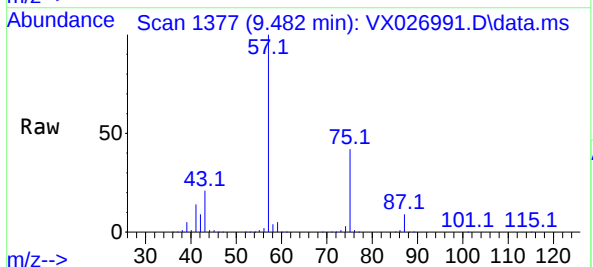
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

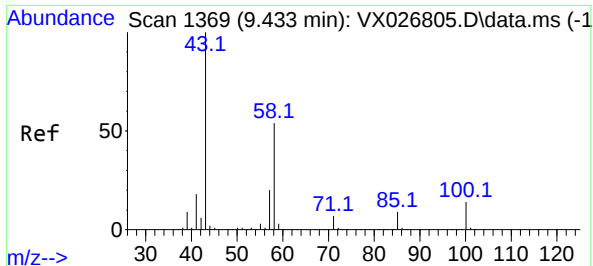
Tgt Ion: 75 Resp: 17179
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#
39 32.1 43.5 65.3#



#57
1,3-Dichloropropane
Concen: 4.825 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 76 Resp: 10551
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

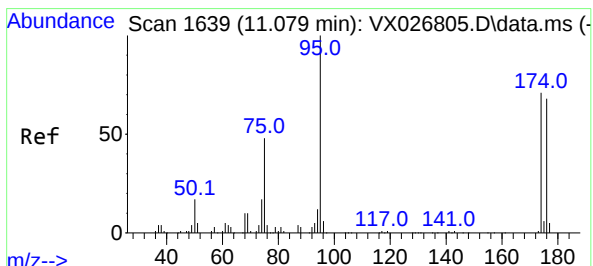
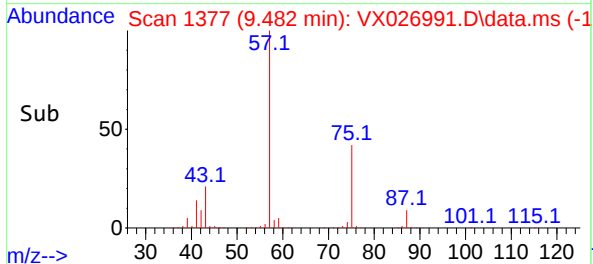
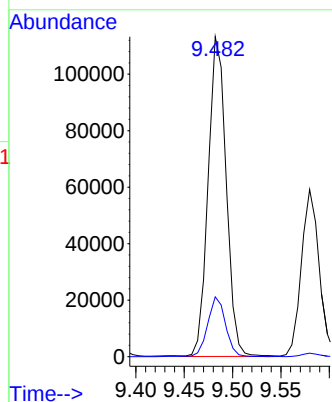
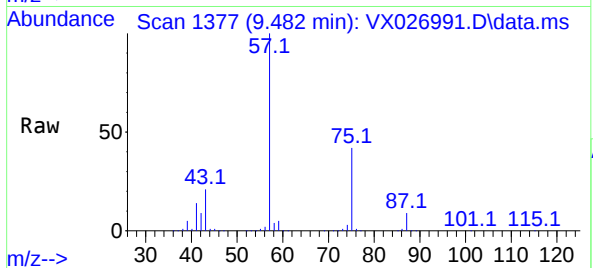




#59
2-Hexanone
Concen: 104.438 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

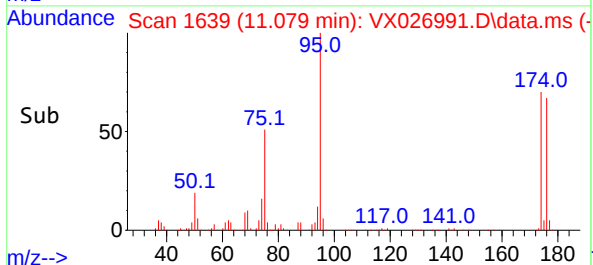
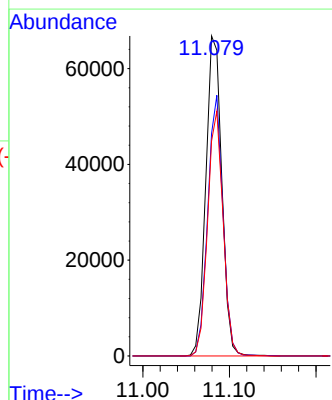
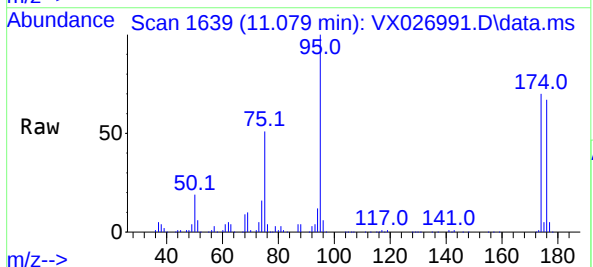
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

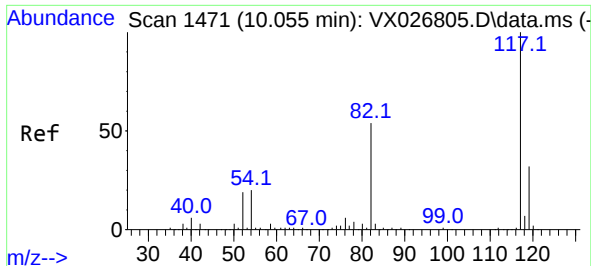
Tgt Ion: 43 Resp: 147543
Ion Ratio Lower Upper
43 100
58 18.6 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 57.266 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 95 Resp: 85511
Ion Ratio Lower Upper
95 100
174 77.7 0.0 148.6
176 74.2 0.0 141.4

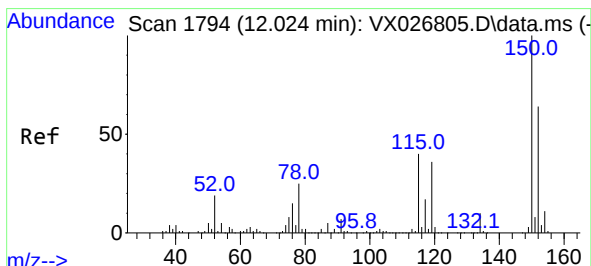
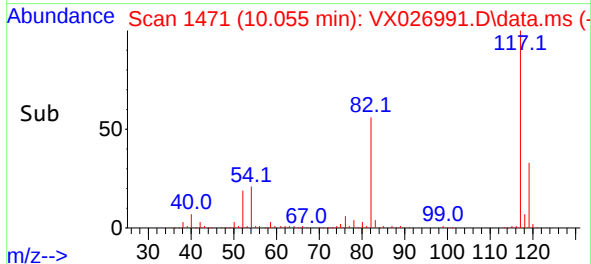
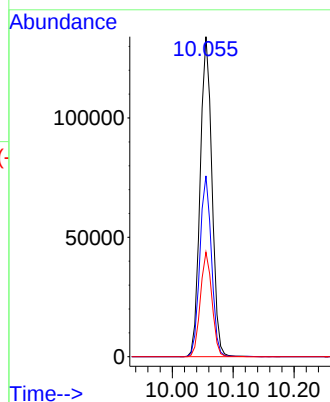
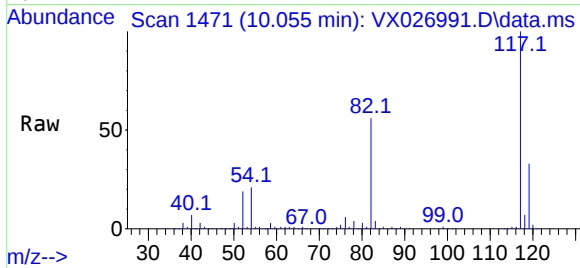




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

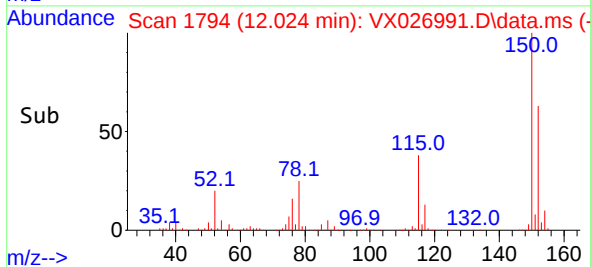
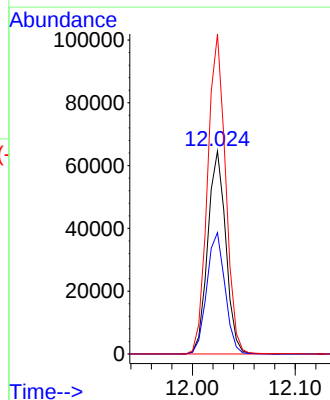
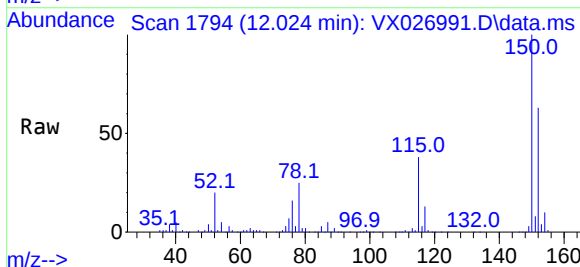
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

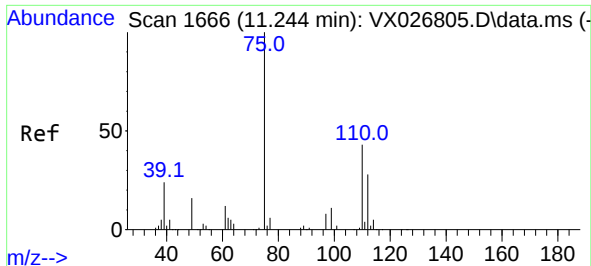
Tgt Ion:117 Resp: 179618
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion:152 Resp: 78905
Ion Ratio Lower Upper
152 100
115 60.6 44.2 132.6
150 157.9 0.0 348.2

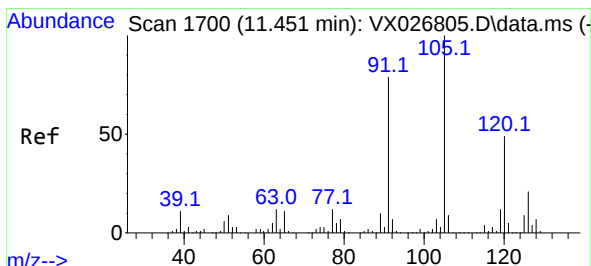
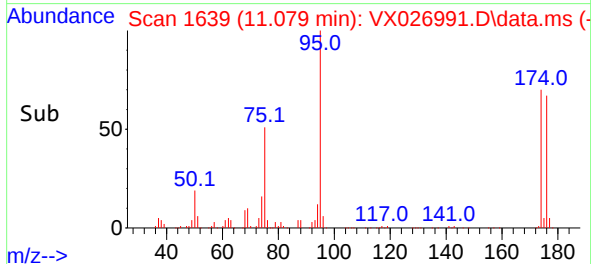
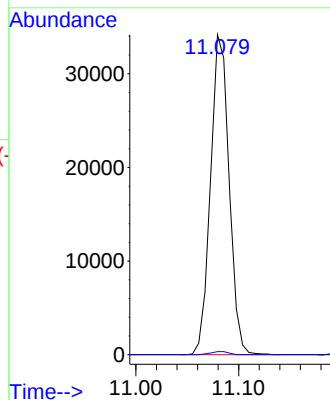
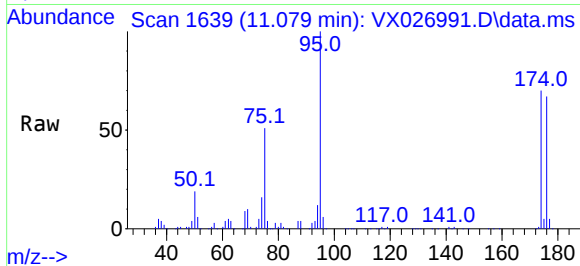




#76
1,2,3-Trichloropropane
Concen: 24.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

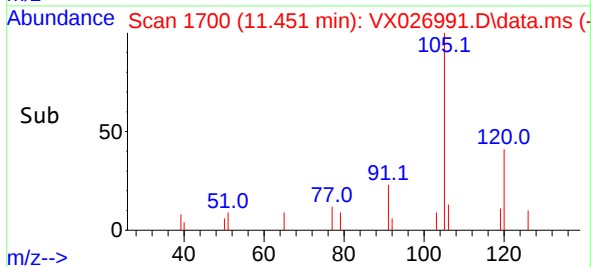
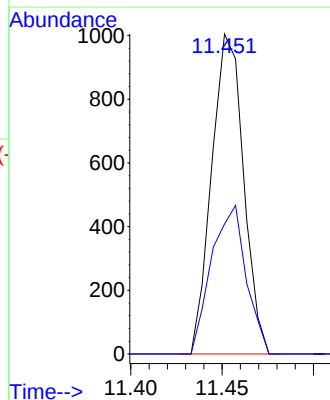
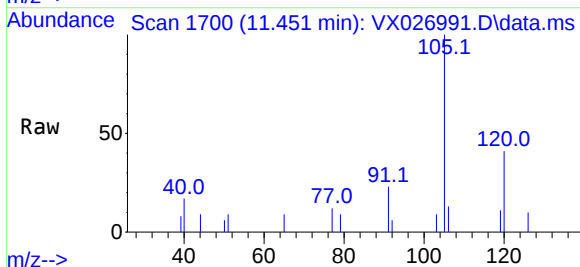
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

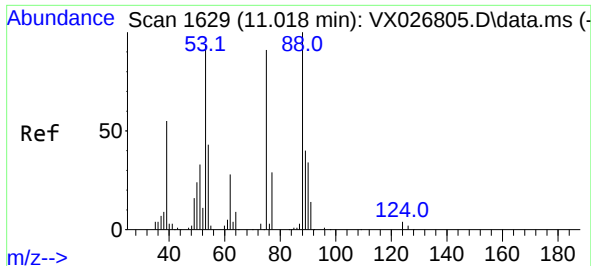
Tgt Ion: 75 Resp: 42797
Ion Ratio Lower Upper
75 100
77 0.9 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.239 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion: 105 Resp: 1220
Ion Ratio Lower Upper
105 100
120 50.4 24.0 72.0

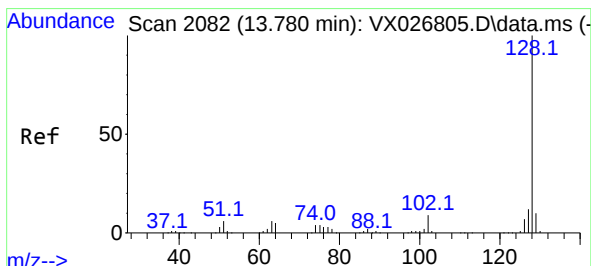
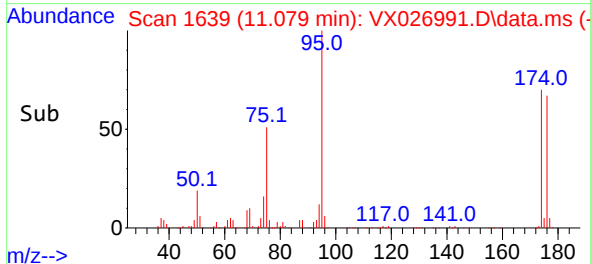
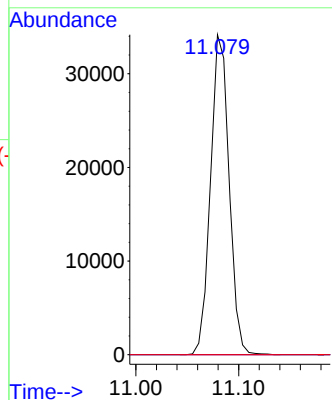
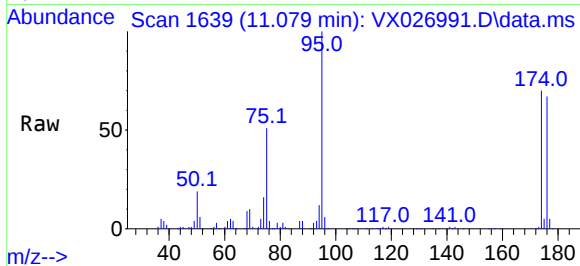




#81
trans-1,4-Dichloro-2-butene
Concen: 75.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

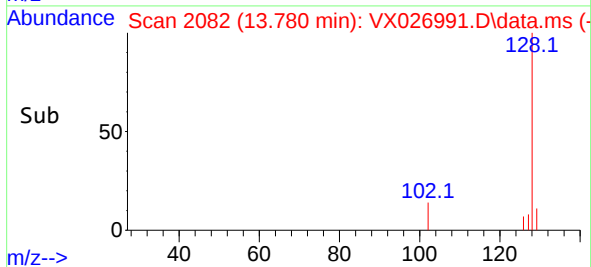
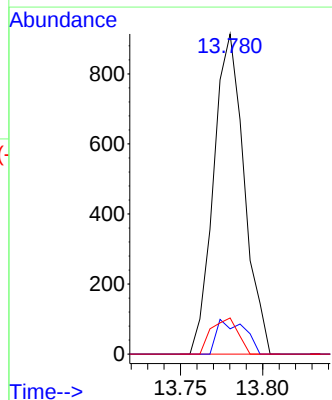
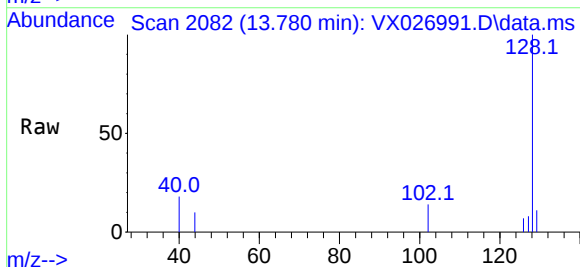
Instrument :
MSVOA_X
ClientSampleId :
PB142590TB

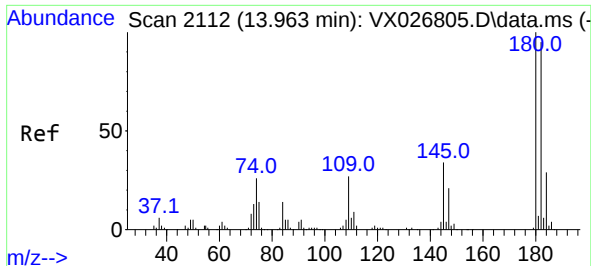
Tgt Ion: 75 Resp: 42797
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 0.205 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX026991.D
Acq: 12 Feb 2022 00:57

Tgt Ion:128 Resp: 1183
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5#
129 9.7 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX026991.D

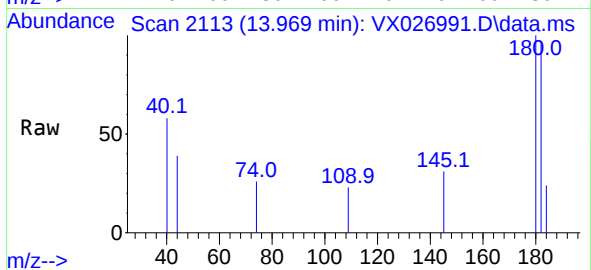
Acq: 12 Feb 2022 00:57

Instrument :

MSVOA_X

ClientSampleId :

PB142590TB



Tgt Ion:180 Resp: 364

Ion Ratio Lower Upper

180 100

182 90.7 47.2 141.6

145 27.5 17.5 52.5

