

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113021\
 Data File : VX025392.D
 Acq On : 30 Nov 2021 13:03
 Operator : JC/MD
 Sample : M4826-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 01 02:20:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

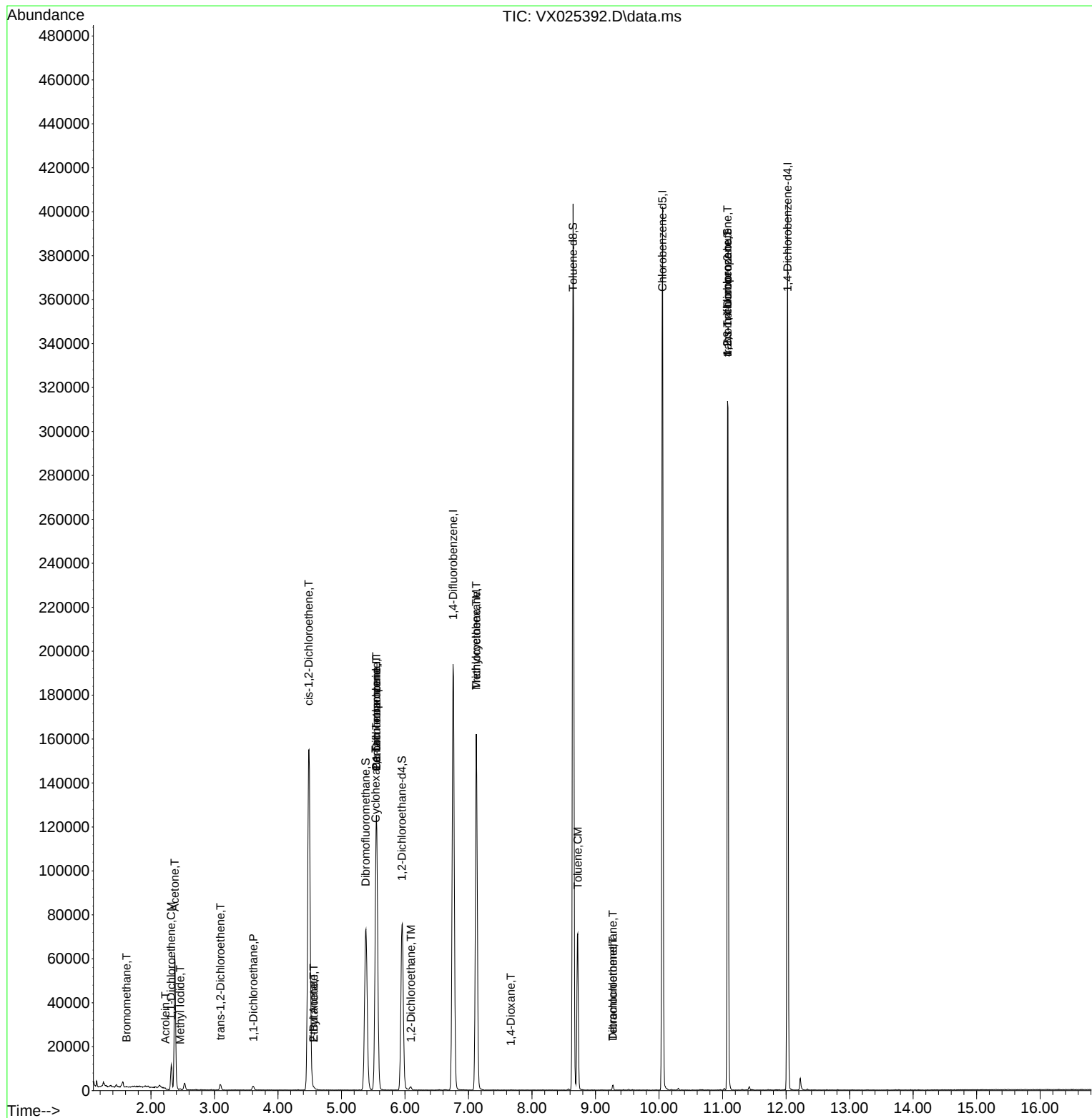
Internal Standards						
1) Pentafluorobenzene	5.549	168	128437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71663	52.934	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.860%
35) Dibromofluoromethane	5.379	113	64624	50.292	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.580%
50) Toluene-d8	8.646	98	241072	49.898	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.079	95	84534	46.250	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.500%
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	156	0.240	ug/l #	3
10) Methyl Iodide	2.459	142	393	0.263	ug/l #	90
11) Tert butyl alcohol	2.946	59	80	Below Cal	#	72
12) 1,1-Dichloroethene	2.318	96	3869	3.250	ug/l	96
13) Acrolein	2.227	56	46	0.742	ug/l #	13
16) Acetone	2.373	43	63762	84.760	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	1157	0.887	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	2285	1.019	ug/l #	95
25) 2-Butanone	4.562	43	994	0.914	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	104981	68.935	ug/l	80
31) Cyclohexane	5.537	56	2341	1.119	ug/l #	39
36) 1,1-Dichloropropene	5.549	75	8399	4.597	ug/l #	51
37) Ethyl Acetate	4.562	43	994	0.478	ug/l #	68
38) Carbon Tetrachloride	5.549	117	11902	5.914	ug/l #	16
39) Methylcyclohexane	7.122	83	673	0.287	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1462	0.812	ug/l	97
44) Trichloroethene	7.122	130	63369	39.410	ug/l	92
49) 1,4-Dioxane	7.665	88	122	3.558	ug/l #	24
52) Toluene	8.720	92	27679	7.660	ug/l	98
60) Dibromochloromethane	9.274	129	395	0.239	ug/l #	11
64) Tetrachloroethene	9.274	164	497	0.322	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	41474	23.527	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41474	59.269	ug/l #	9
95) Naphthalene	13.780	128	298	Below Cal	#	69

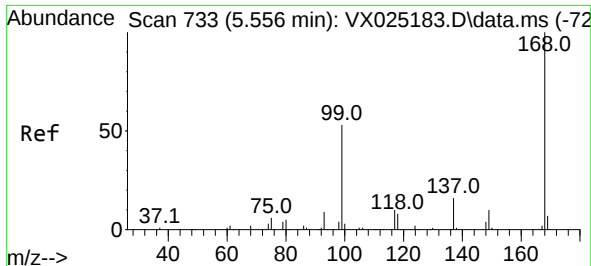
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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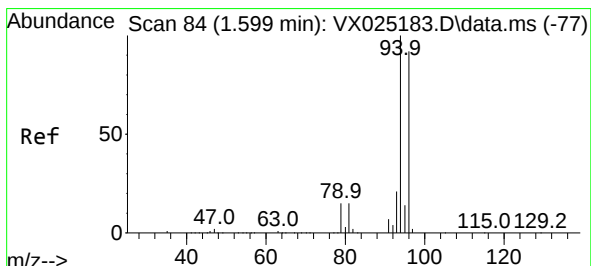
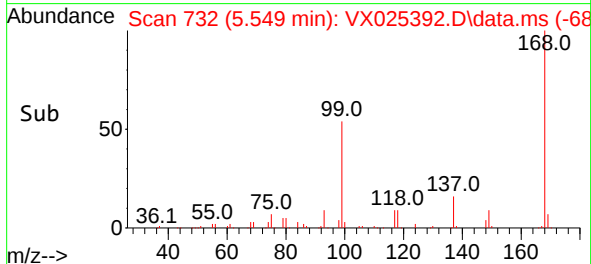
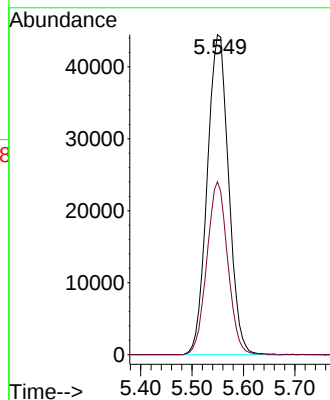
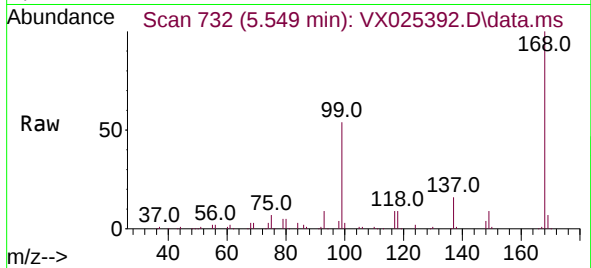




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

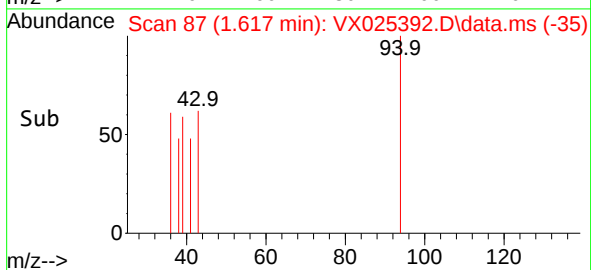
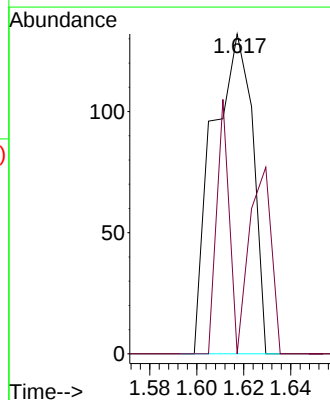
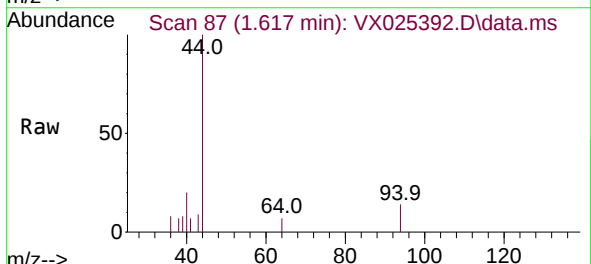
Instrument :
MSVOA_X
ClientSampleId :

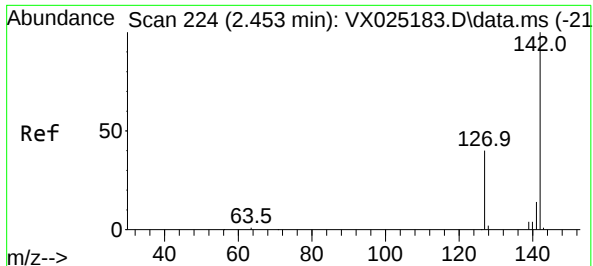
Tgt Ion:168 Resp: 128437
Ion Ratio Lower Upper
168 100
99 54.0 46.4 69.6



#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

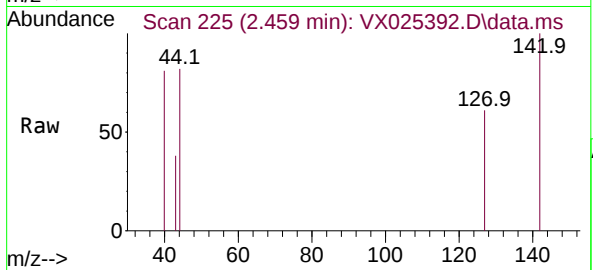
Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



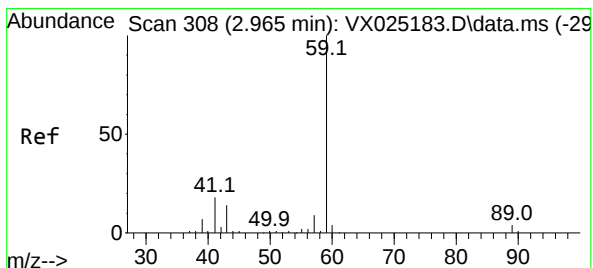
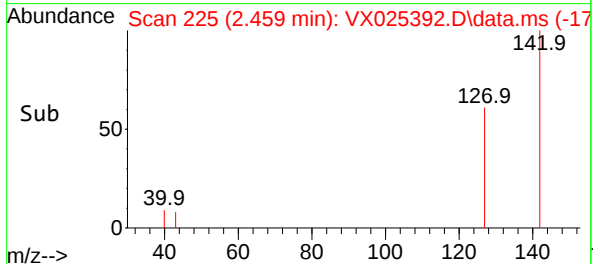
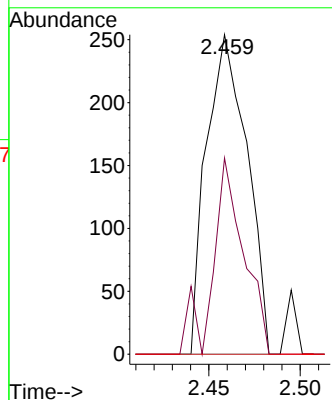


#10
Methyl Iodide
Concen: 0.263 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Instrument :
MSVOA_X
ClientSampleId :

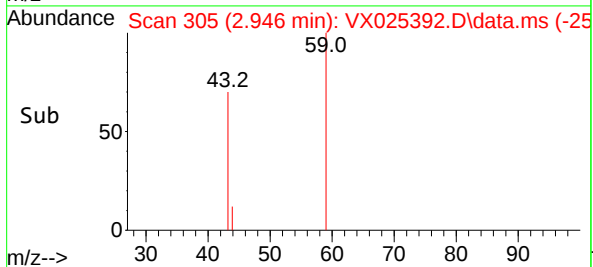
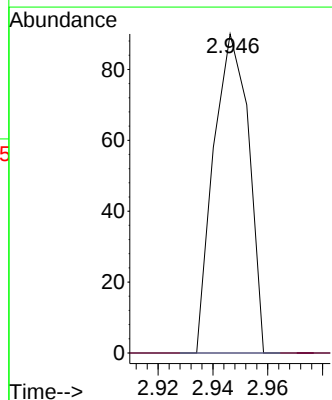
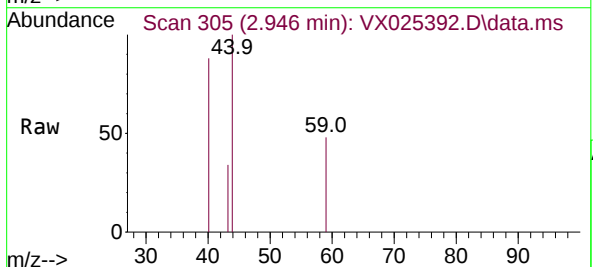


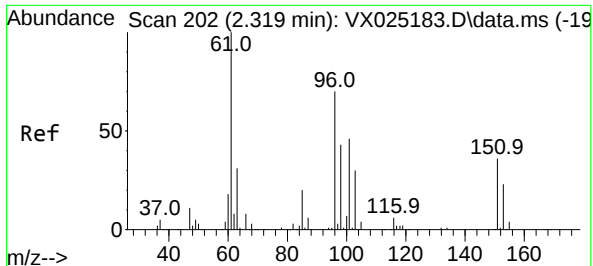
Tgt Ion:142 Resp: 393
Ion Ratio Lower Upper
142 100
127 47.1 38.9 58.3
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 3.250 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

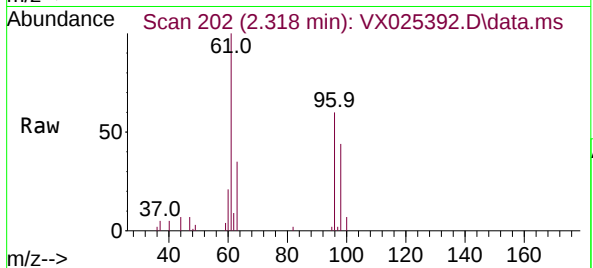
Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

Instrument :

MSVOA_X

ClientSampleId :



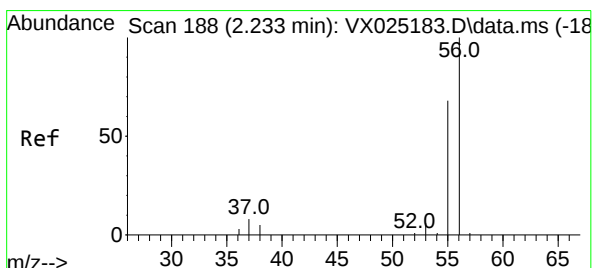
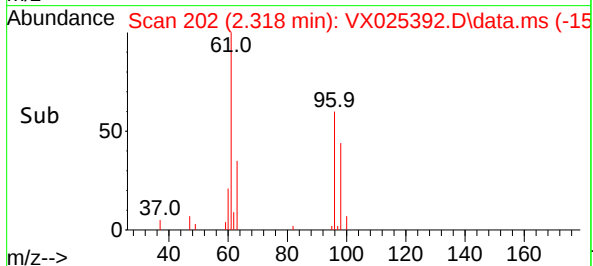
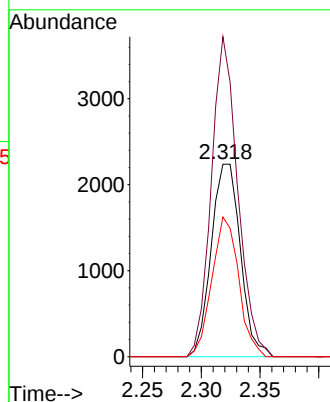
Tgt Ion: 96 Resp: 3869

Ion Ratio Lower Upper

96 100

61 166.3 134.1 201.1

98 72.6 51.5 77.3



#13

Acrolein

Concen: 0.742 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX025392.D

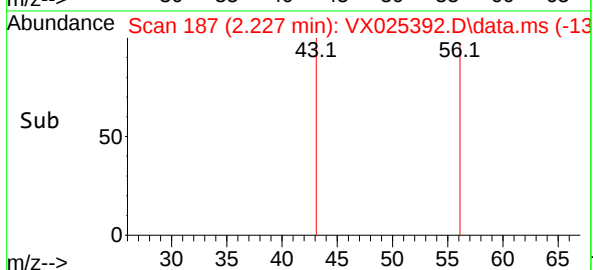
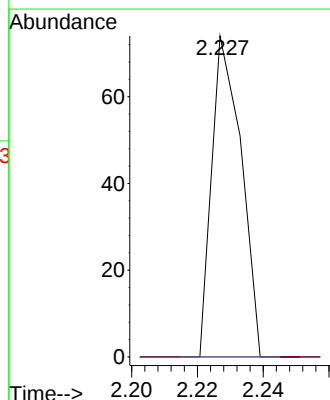
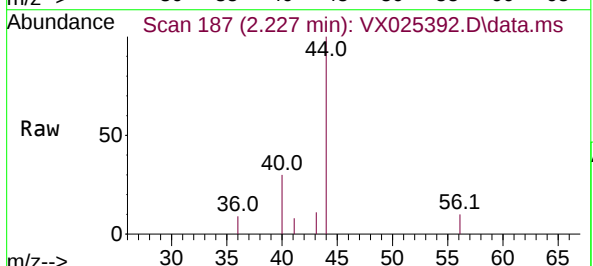
Acq: 30 Nov 2021 13:03

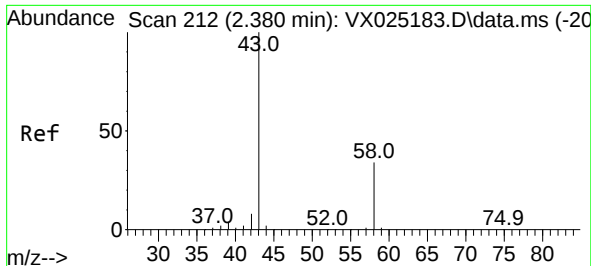
Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

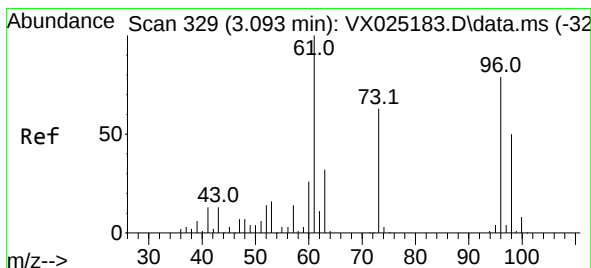
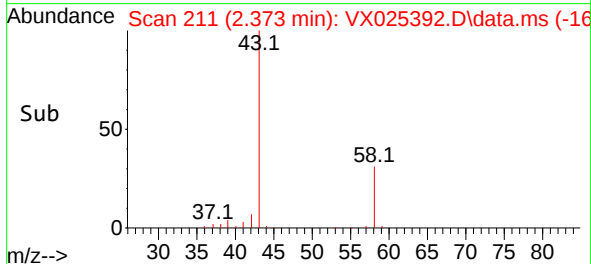
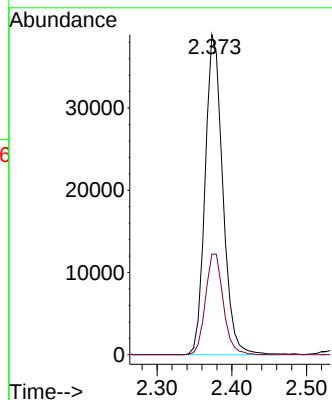
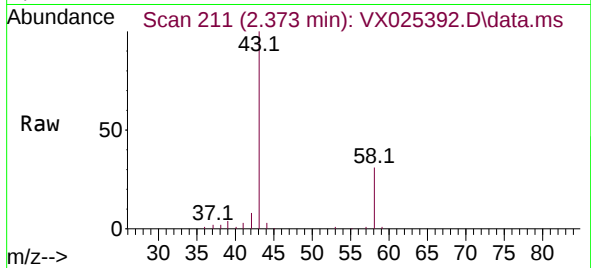




#16
Acetone
Concen: 84.760 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

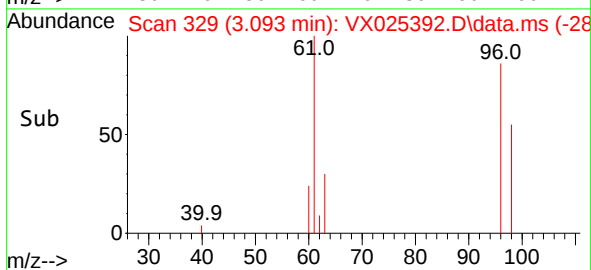
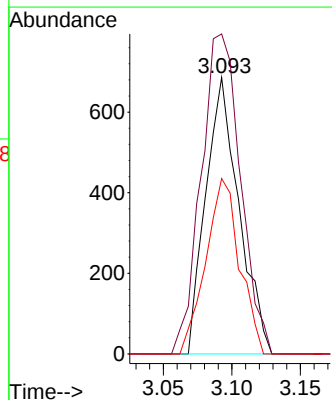
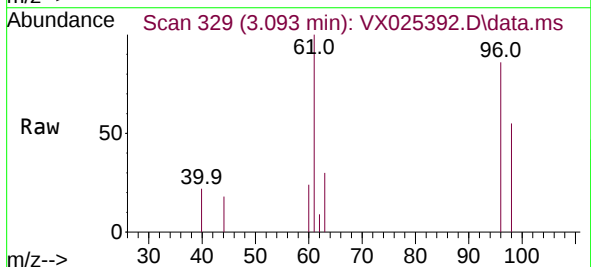
Instrument :
MSVOA_X
ClientSampleId :

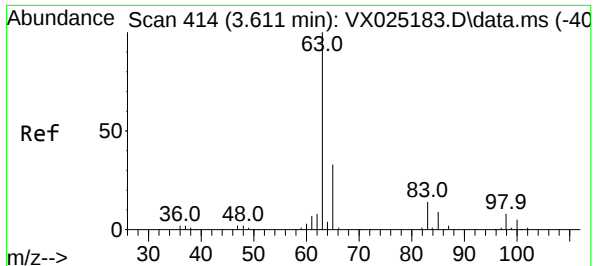
Tgt Ion: 43 Resp: 63762
Ion Ratio Lower Upper
43 100
58 31.4 24.0 36.0



#21
trans-1,2-Dichloroethene
Concen: 0.887 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion: 96 Resp: 1157
Ion Ratio Lower Upper
96 100
61 115.7 117.9 176.9#
98 63.4 51.1 76.7

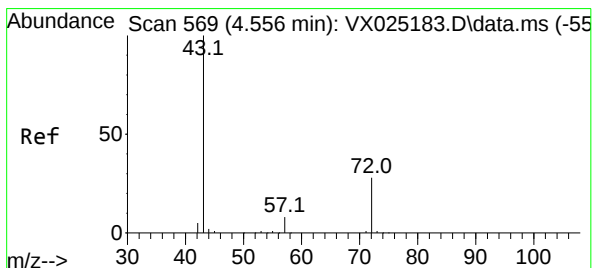
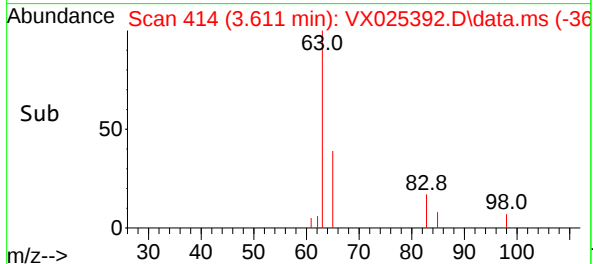
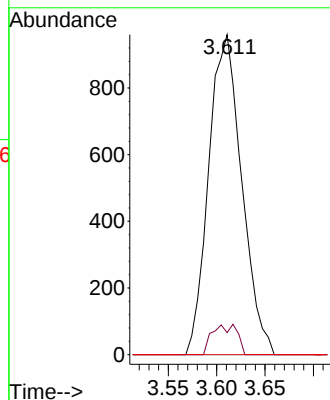
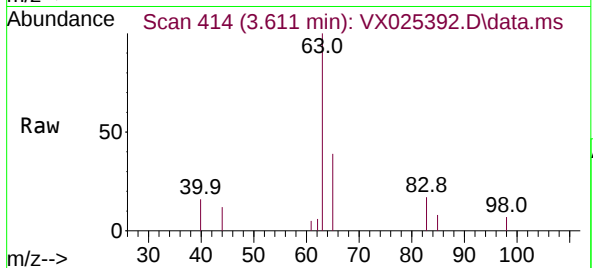




#24
 1,1-Dichloroethane
 Concen: 1.019 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX025392.D
 Acq: 30 Nov 2021 13:03

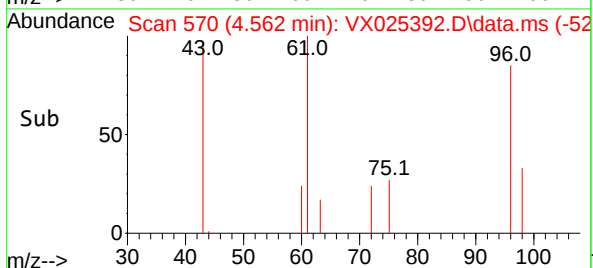
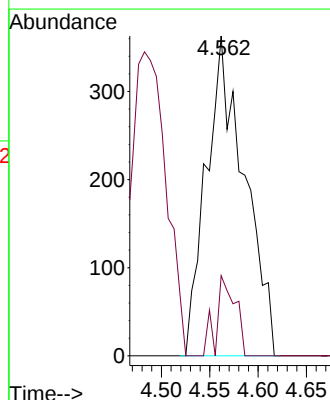
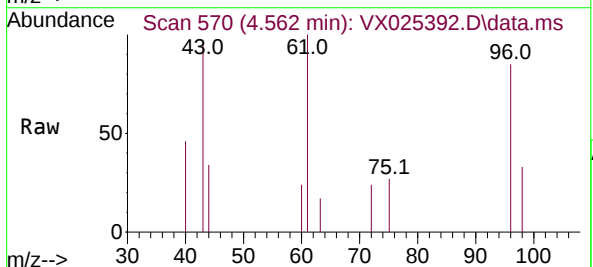
Instrument :
 MSVOA_X
 ClientSampleId :

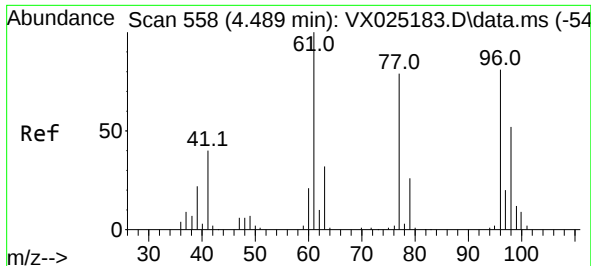
Tgt Ion: 63 Resp: 2285
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 0.0 2.1 6.2#



#25
 2-Butanone
 Concen: 0.914 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VX025392.D
 Acq: 30 Nov 2021 13:03

Tgt Ion: 43 Resp: 994
 Ion Ratio Lower Upper
 43 100
 72 25.1 21.2 31.8

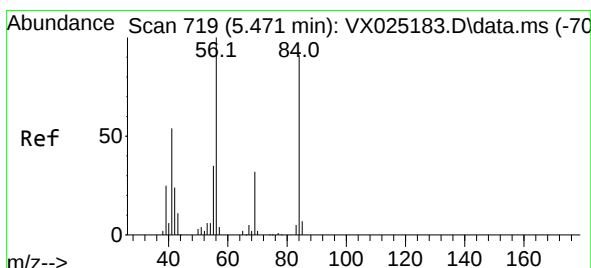
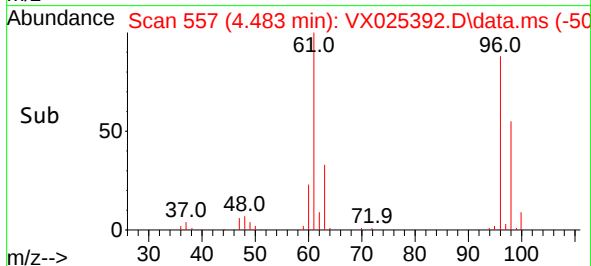
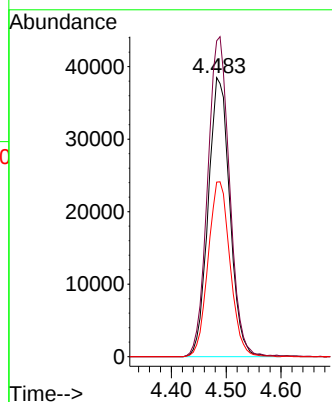
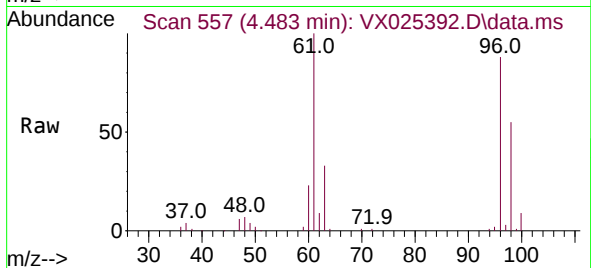




#27
 cis-1,2-Dichloroethene
 Concen: 68.935 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX025392.D
 Acq: 30 Nov 2021 13:03

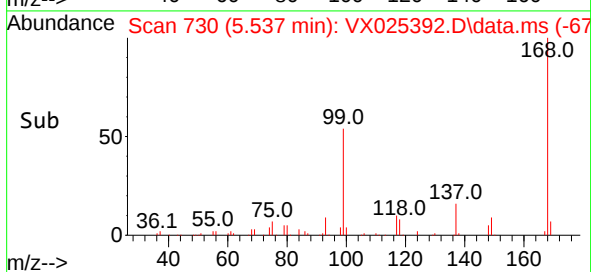
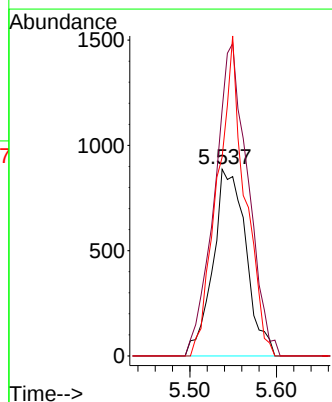
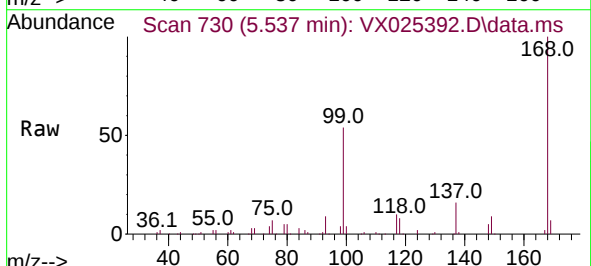
Instrument :
 MSVOA_X
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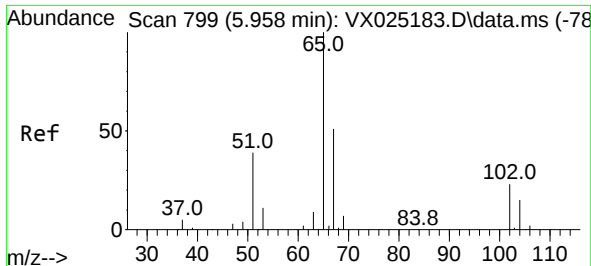
Tgt Ion: 96 Resp: 104981
 Ion Ratio Lower Upper
 96 100
 61 116.6 0.0 302.2
 98 63.9 0.0 131.4



#31
 Cyclohexane
 Concen: 1.119 ug/l
 RT: 5.537 min Scan# 730
 Delta R.T. 0.066 min
 Lab File: VX025392.D
 Acq: 30 Nov 2021 13:03

Tgt Ion: 56 Resp: 2341
 Ion Ratio Lower Upper
 56 100
 69 131.8 24.2 36.2#
 84 106.4 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 52.934 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

Instrument :

MSVOA_X

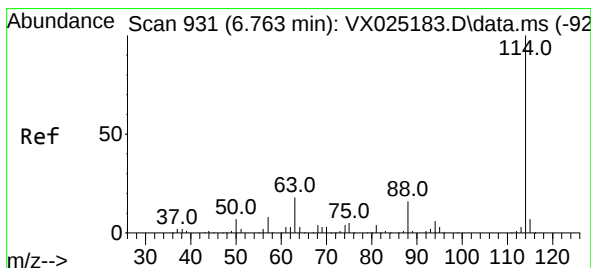
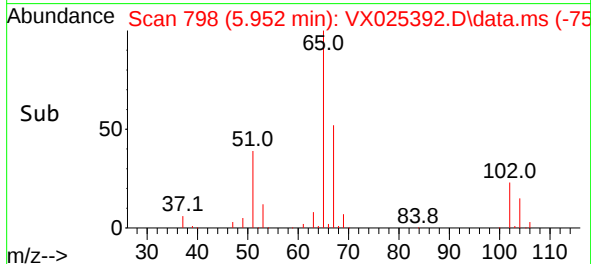
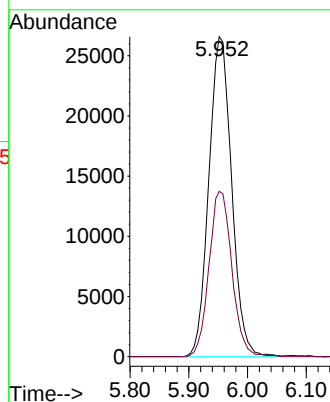
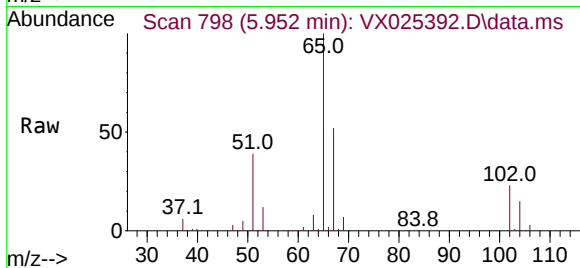
ClientSampleId :

Tgt Ion: 65 Resp: 71663

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

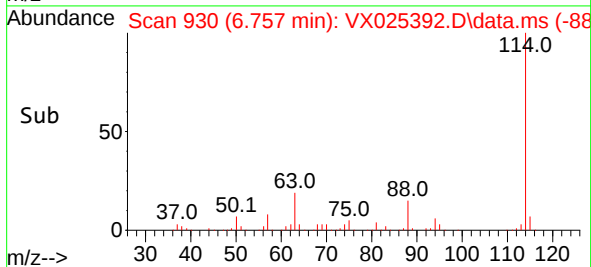
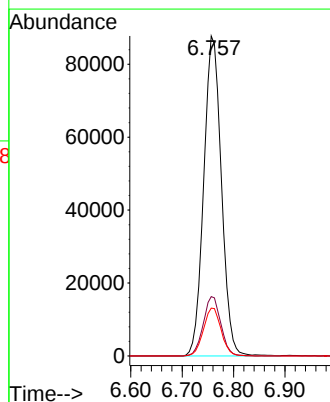
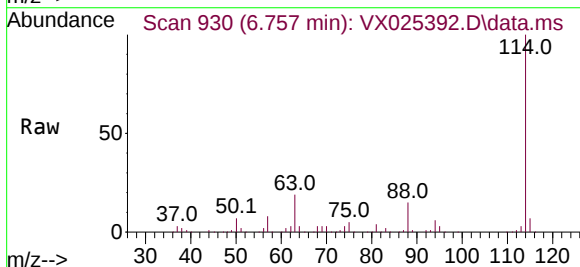
Tgt Ion: 114 Resp: 209427

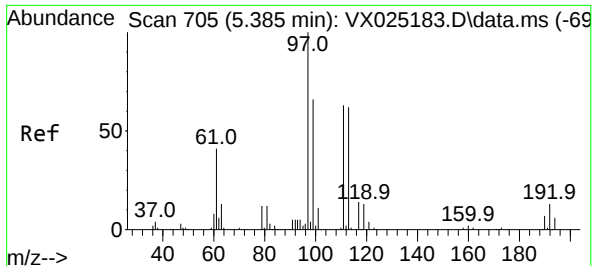
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 14.9 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.292 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

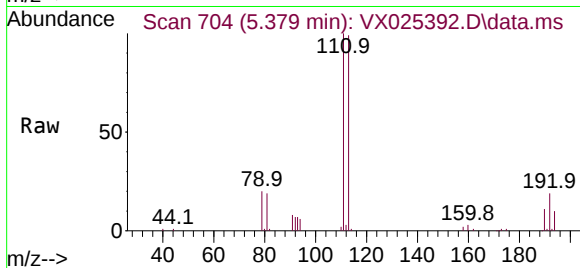
Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

Instrument :

MSVOA_X

ClientSampleId :



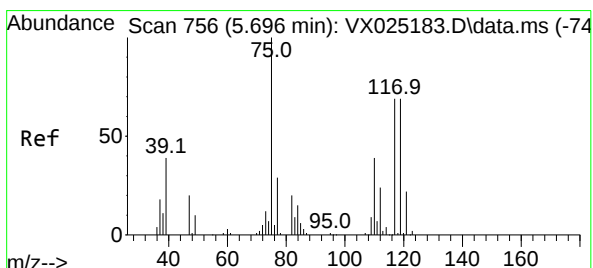
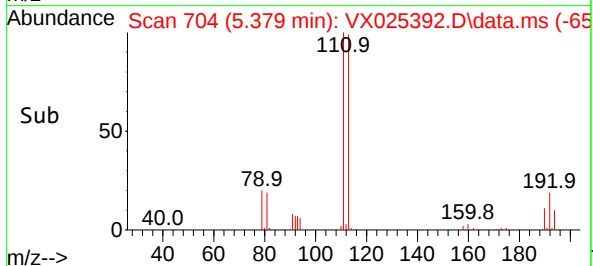
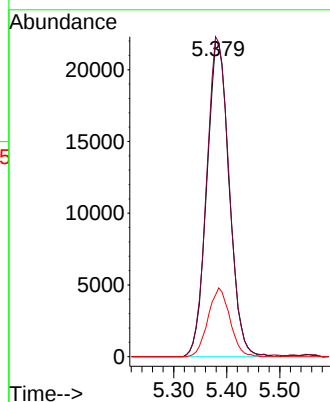
Tgt Ion:113 Resp: 64624

Ion Ratio Lower Upper

113 100

111 101.5 82.1 123.1

192 21.2 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.597 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

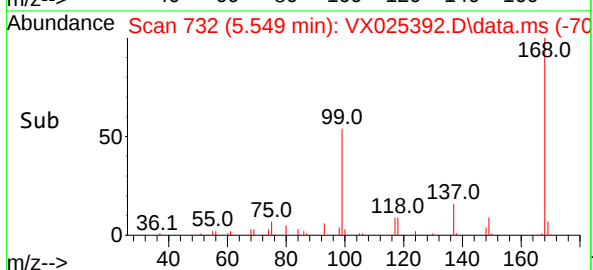
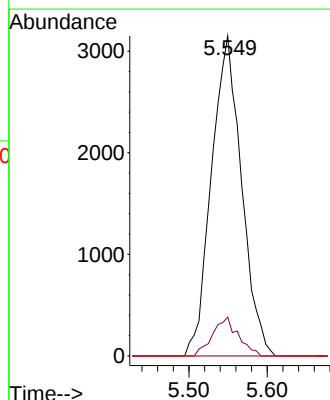
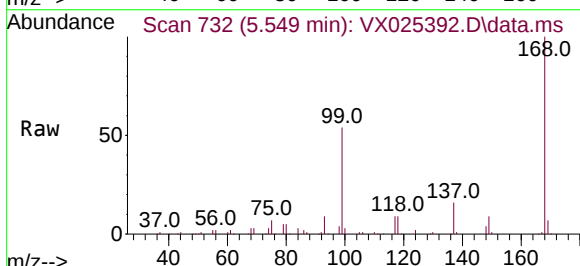
Tgt Ion: 75 Resp: 8399

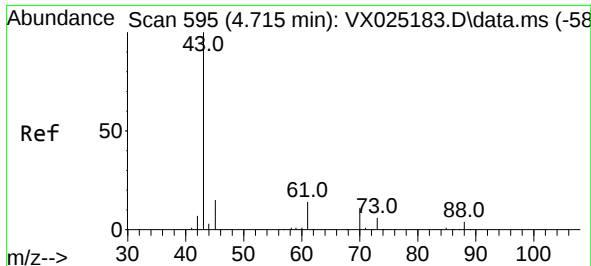
Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.3#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.478 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX025392.D

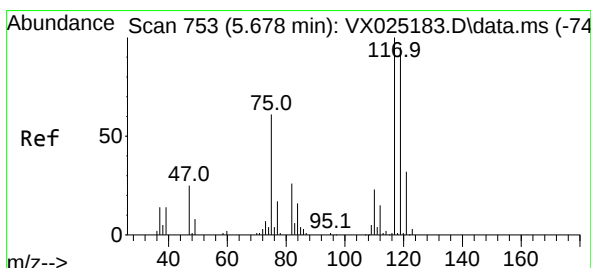
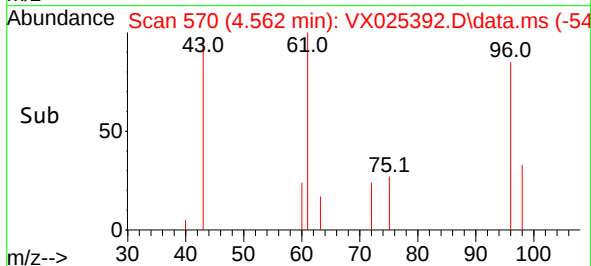
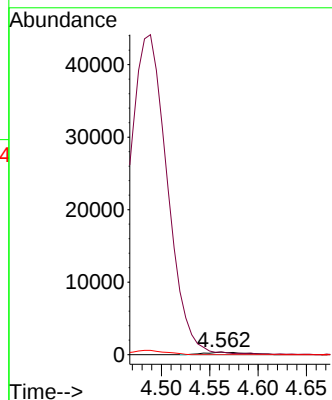
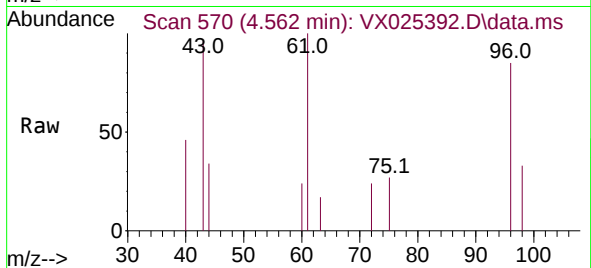
Acq: 30 Nov 2021 13:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	994
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.6	12.8#



#38

Carbon Tetrachloride

Concen: 5.914 ug/l

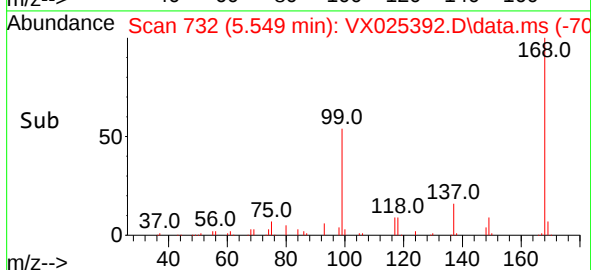
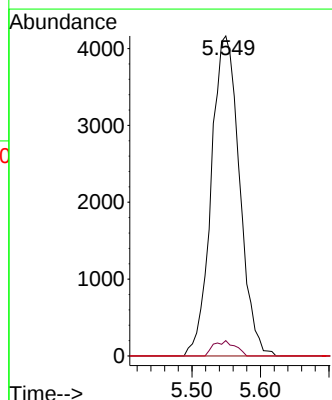
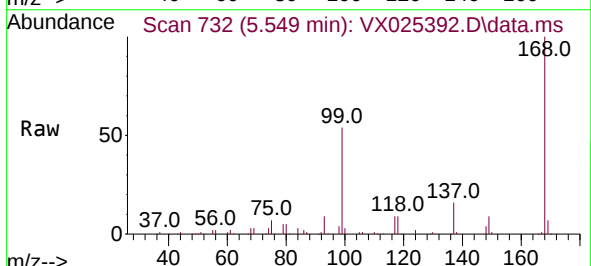
RT: 5.549 min Scan# 732

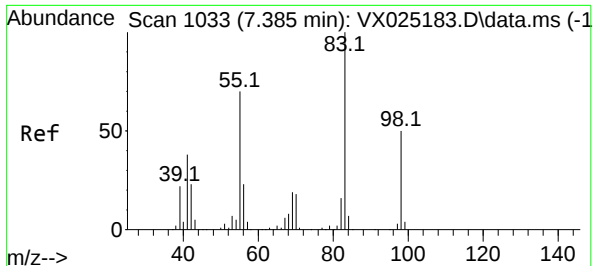
Delta R.T. -0.129 min

Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

Tgt Ion:	117	Resp:	11902
Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.6	113.4#
121	0.0	23.7	35.5#





#39

Methylcyclohexane

Concen: 0.287 ug/l

RT: 7.122 min Scan# 91

Delta R.T. -0.263 min

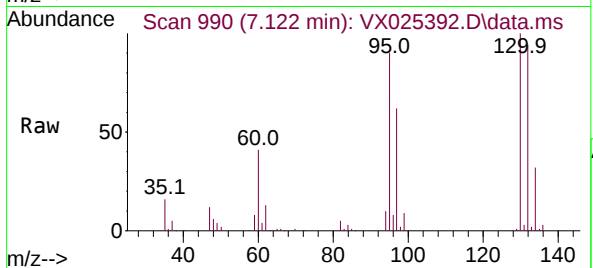
Lab File: VX025392.D

Acq: 30 Nov 2021 13:03

Instrument :

MSVOA_X

ClientSampleId :



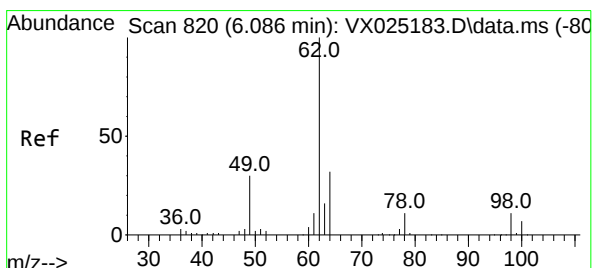
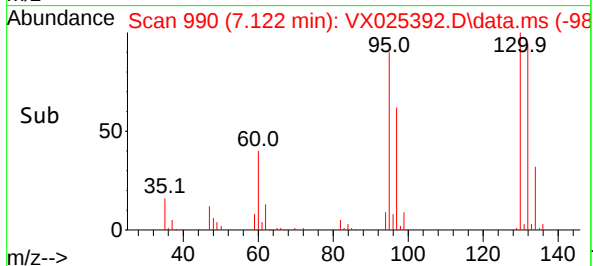
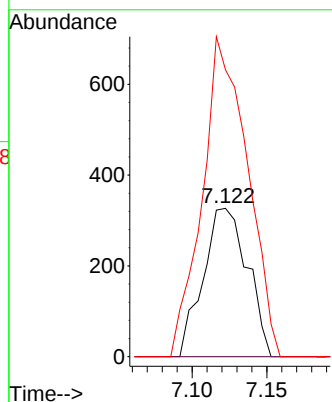
Tgt Ion: 83 Resp: 673

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 193.3 37.0 55.4#



#42

1,2-Dichloroethane

Concen: 0.812 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX025392.D

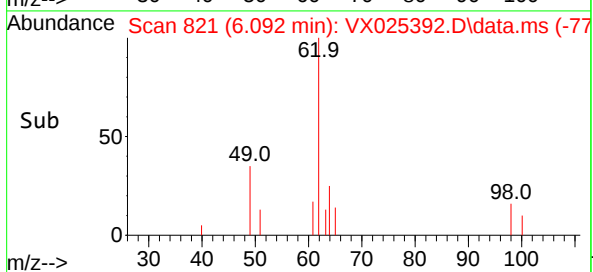
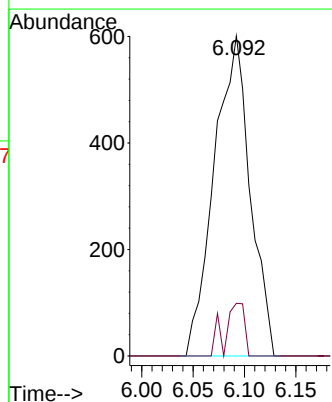
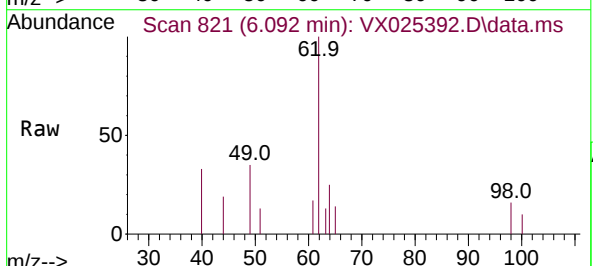
Acq: 30 Nov 2021 13:03

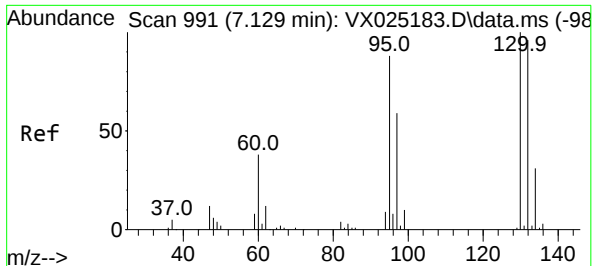
Tgt Ion: 62 Resp: 1462

Ion Ratio Lower Upper

62 100

98 9.0 0.0 16.0

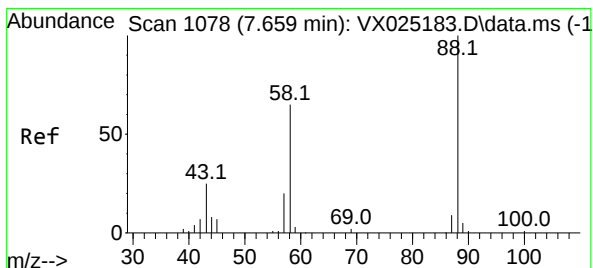
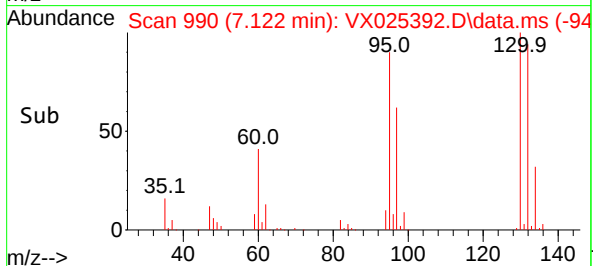
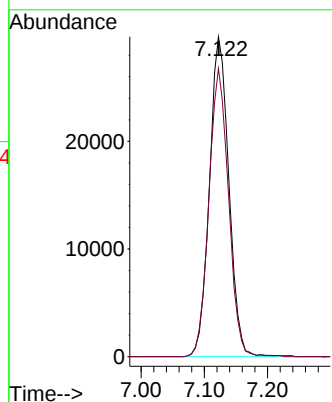
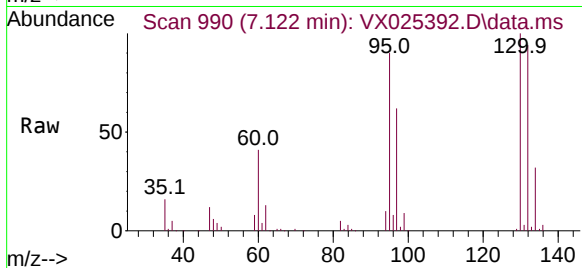




#44
Trichloroethene
Concen: 39.410 ug/l
RT: 7.122 min Scan# 991
Delta R.T. -0.007 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

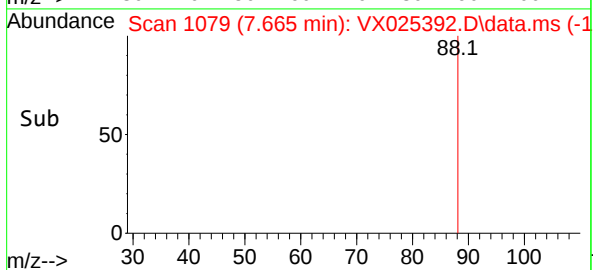
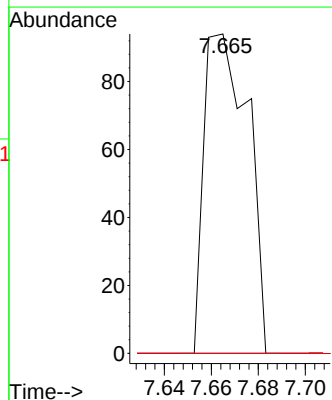
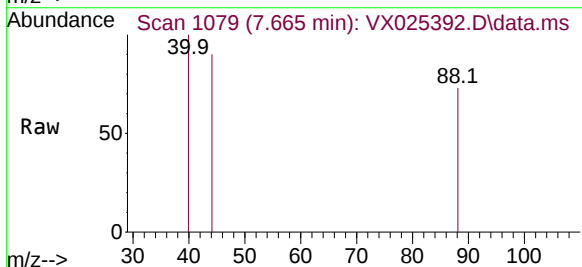
Instrument :
MSVOA_X
ClientSampleId :

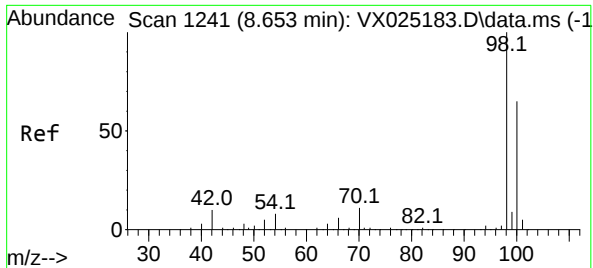
Tgt Ion:130 Resp: 63369
Ion Ratio Lower Upper
130 100
95 90.1 0.0 196.8



#49
1,4-Dioxane
Concen: 3.558 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.6#
58 0.0 55.2 82.8#

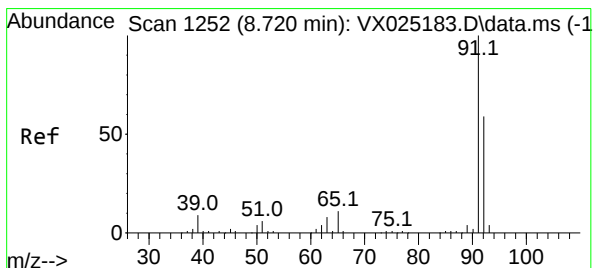
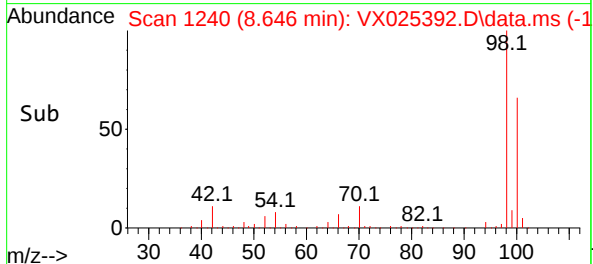
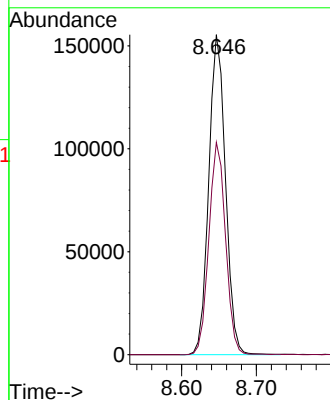
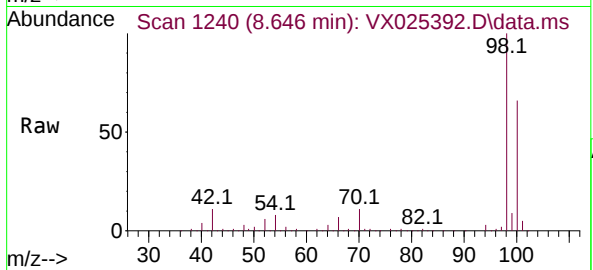




#50
Toluene-d8
Concen: 49.898 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

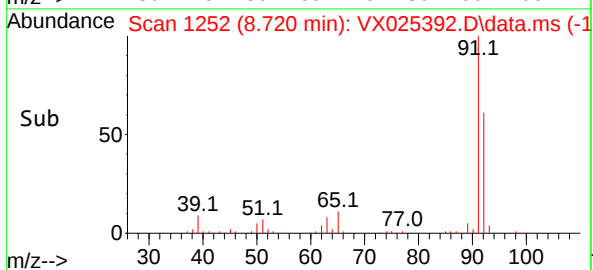
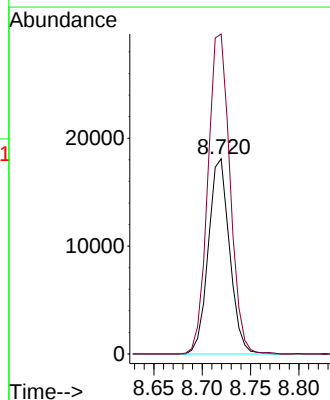
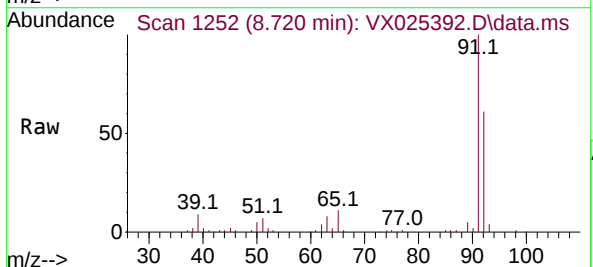
Instrument :
MSVOA_X
ClientSampleId :

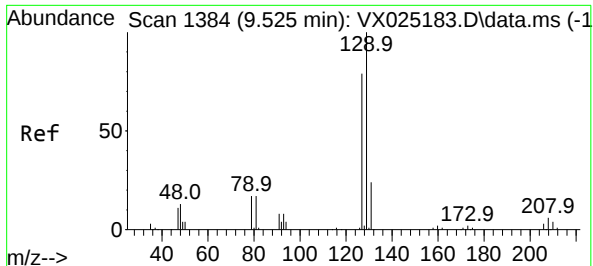
Tgt Ion: 98 Resp: 241072
Ion Ratio Lower Upper
98 100
100 66.3 51.4 77.0



#52
Toluene
Concen: 7.660 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion: 92 Resp: 27679
Ion Ratio Lower Upper
92 100
91 170.8 138.6 208.0

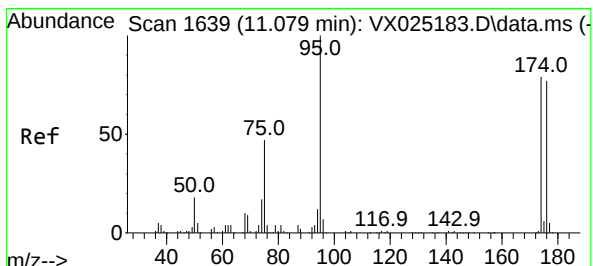
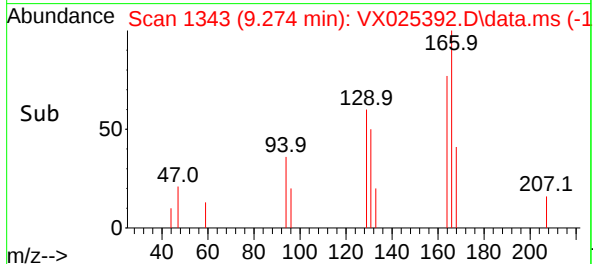
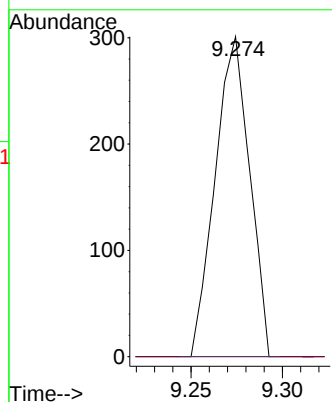
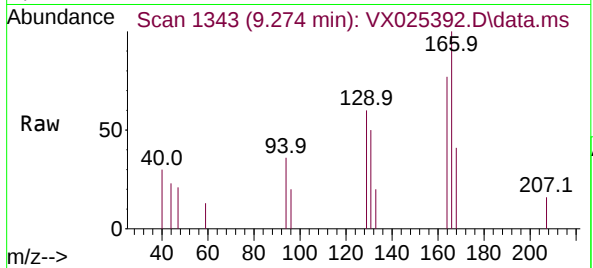




#60
Dibromochloromethane
Concen: 0.239 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

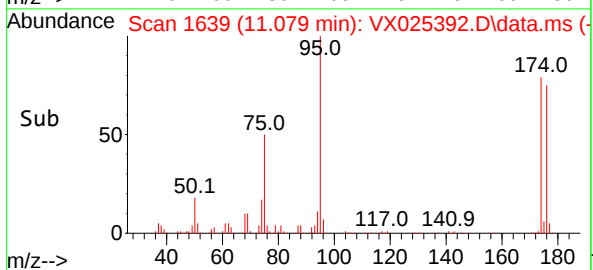
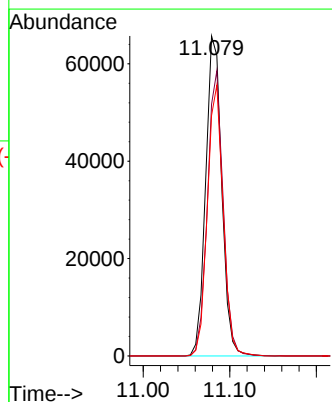
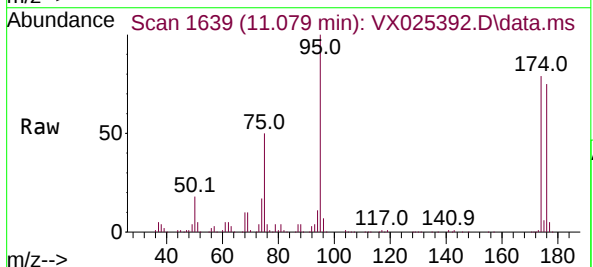
Instrument :
MSVOA_X
ClientSampleId :

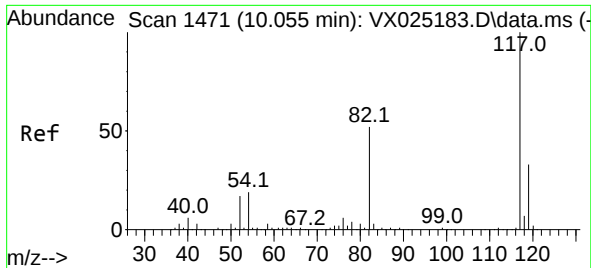
Tgt Ion:129 Resp: 395
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

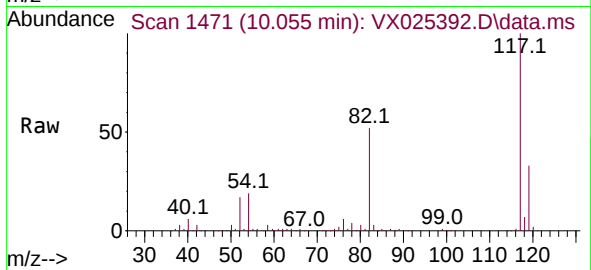
Tgt Ion: 95 Resp: 84534
Ion Ratio Lower Upper
95 100
174 87.4 0.0 158.0
176 83.5 0.0 153.6



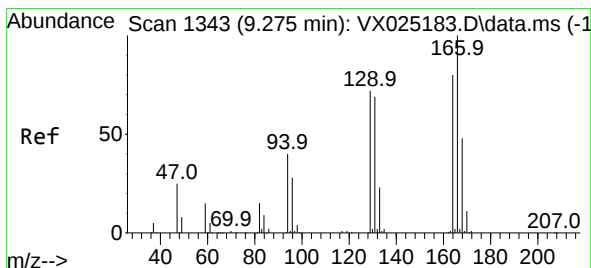
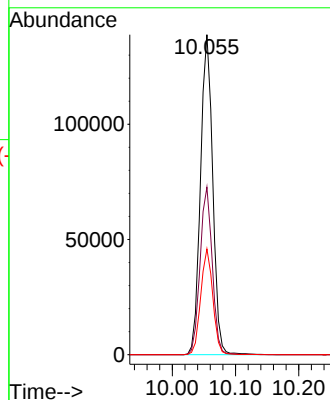
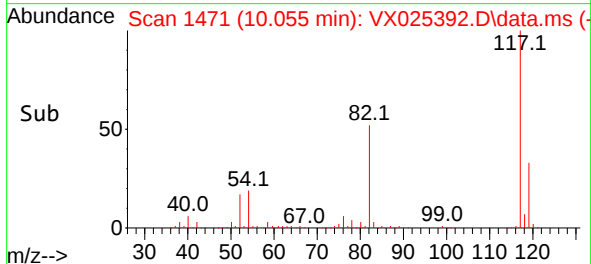


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Instrument :
MSVOA_X
ClientSampleId :

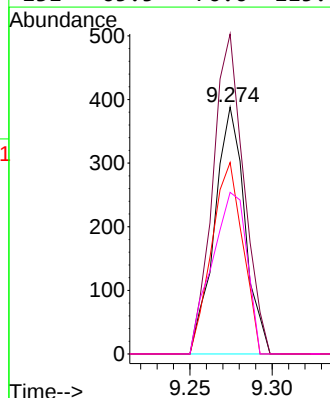
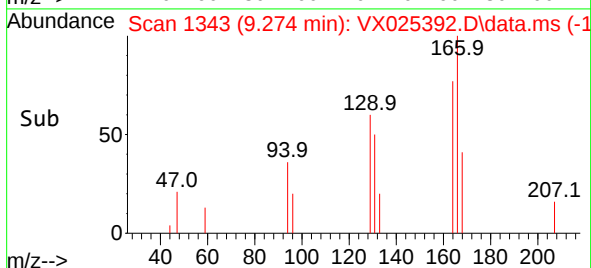
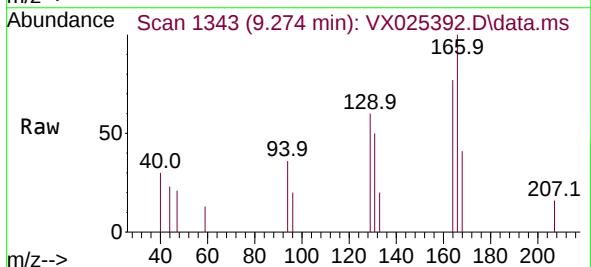


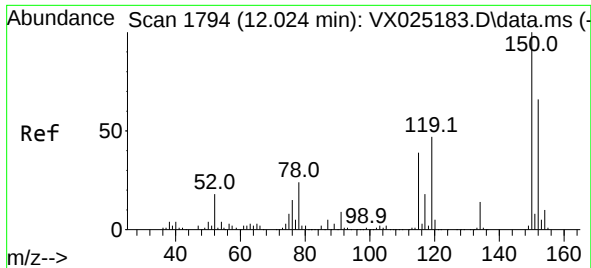
Tgt Ion:117 Resp: 187404
Ion Ratio Lower Upper
117 100
82 52.4 44.6 67.0
119 33.1 24.8 37.2



#64
Tetrachloroethene
Concen: 0.322 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion:164 Resp: 497
Ion Ratio Lower Upper
164 100
166 129.6 103.2 154.8
129 77.6 81.0 121.4#
131 65.5 76.6 115.0#

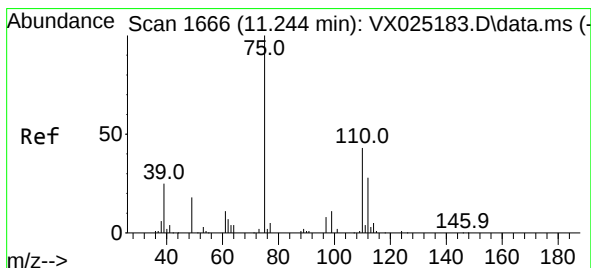
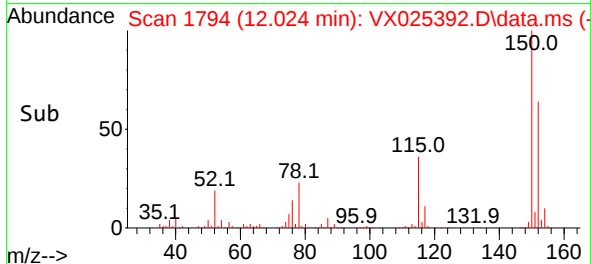
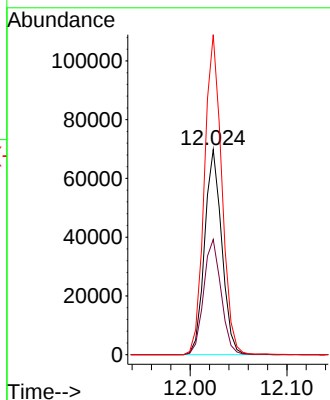
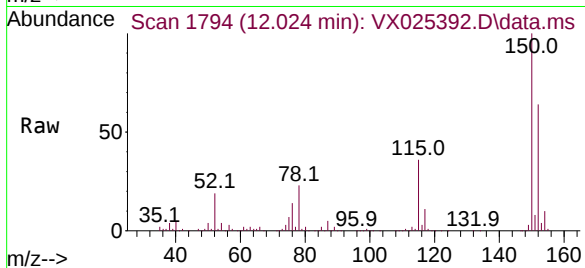




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

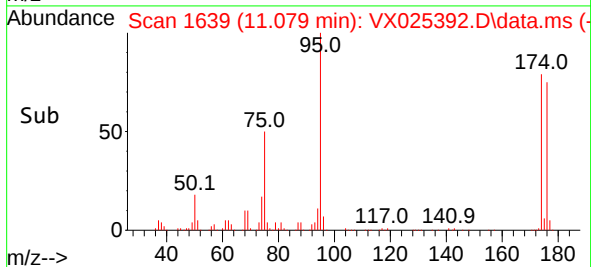
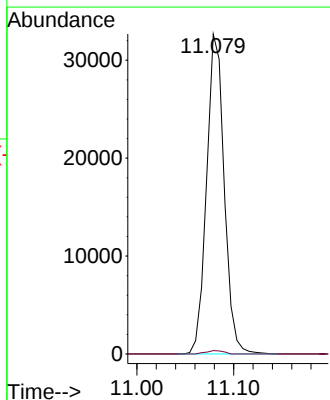
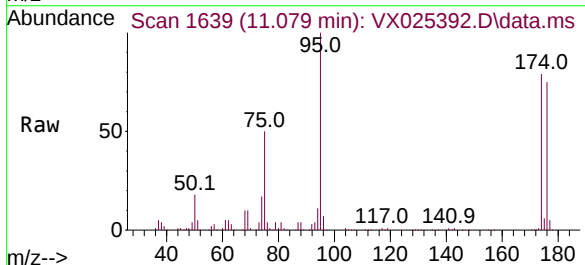
Instrument :
MSVOA_X
ClientSampleId :

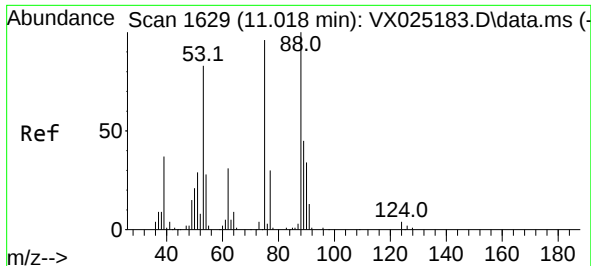
Tgt Ion:152 Resp: 86084
Ion Ratio Lower Upper
152 100
115 57.3 43.3 129.8
150 158.3 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 23.527 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion: 75 Resp: 41474
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

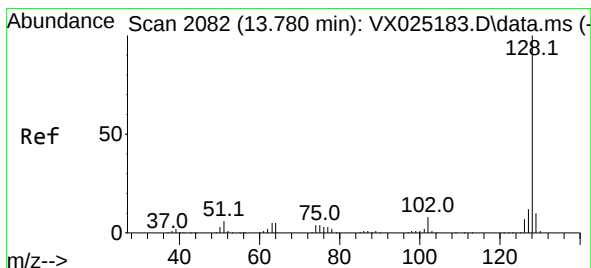
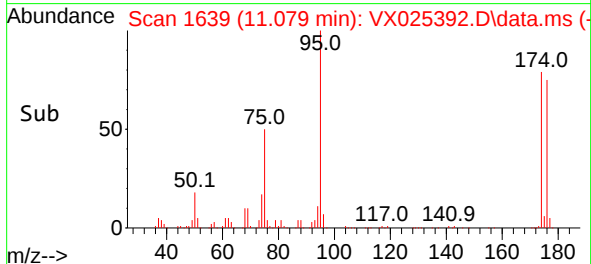
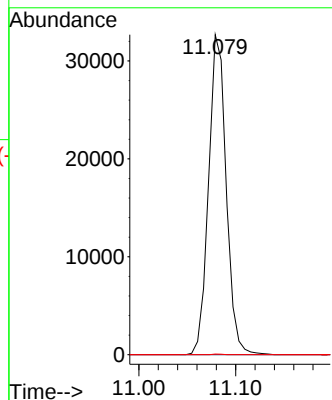
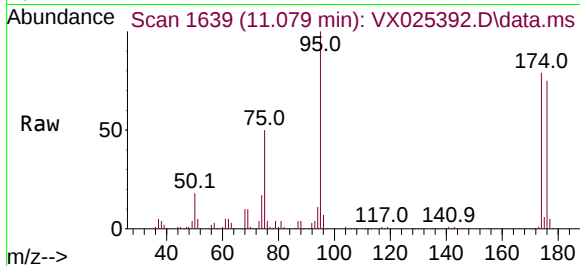




#81
trans-1,4-Dichloro-2-butene
Concen: 59.269 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41474
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025392.D
Acq: 30 Nov 2021 13:03

Tgt Ion:128 Resp: 298
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

