

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100521\
 Data File : VX024582.D
 Acq On : 05 Oct 2021 19:34
 Operator : JC/MD
 Sample : M4059-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SH-SUMP

Quant Time: Oct 06 06:50:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

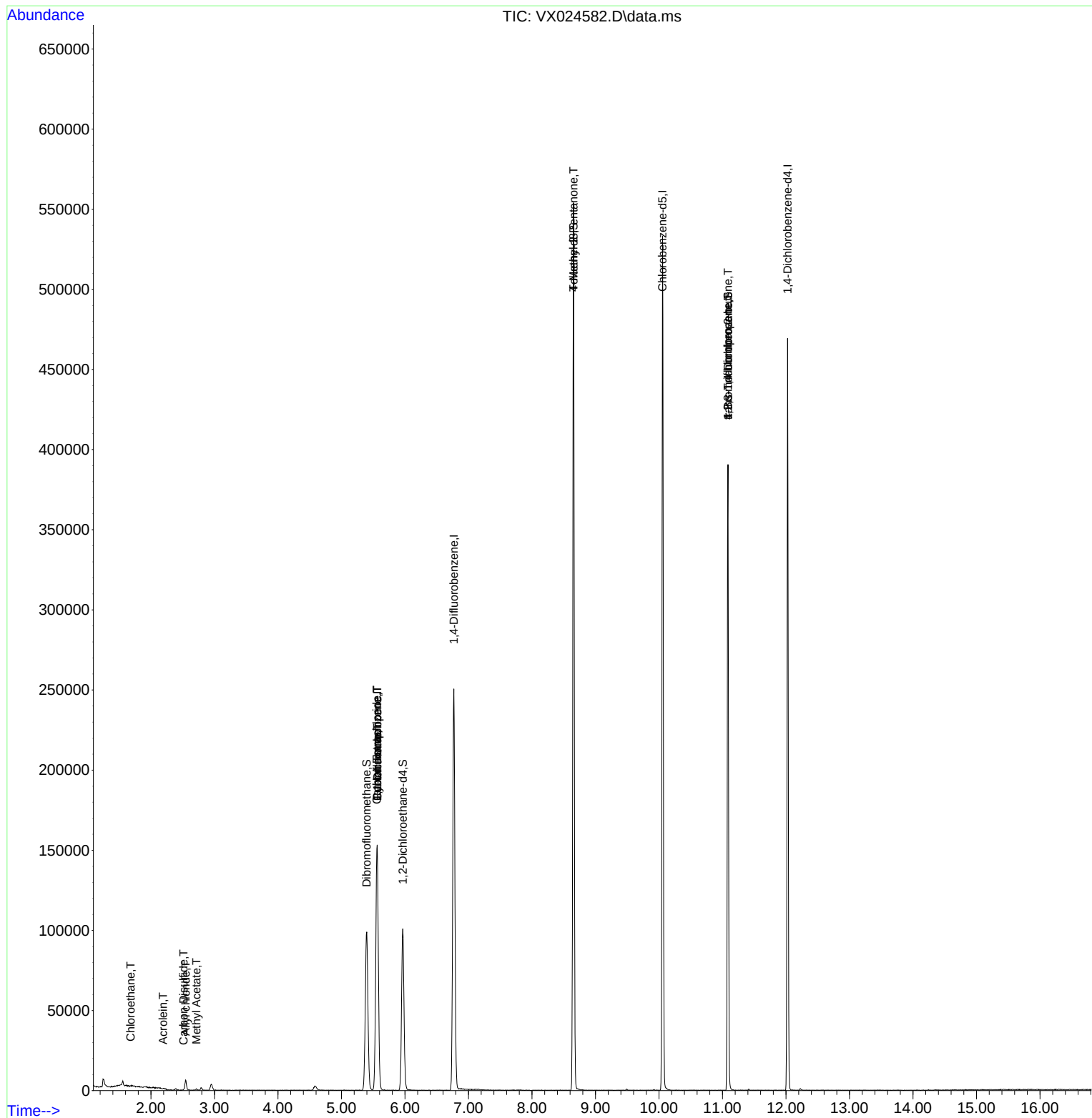
Internal Standards						
1) Pentafluorobenzene	5.562	168	146871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	256913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102387	49.463	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.920%
35) Dibromofluoromethane	5.398	113	86379	50.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.220%
50) Toluene-d8	8.653	98	314996	50.145	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.300%
62) 4-Bromofluorobenzene	11.086	95	105133	42.567	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.140%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	403	0.671	ug/l #	43
11) Tert butyl alcohol	2.953	59	2449	Below Cal	#	73
13) Acrolein	2.191	56	18	10.212	ug/l #	14
14) Allyl chloride	2.544	41	769	0.312	ug/l #	55
16) Acetone	2.392	43	1151	Below Cal	#	77
17) Carbon Disulfide	2.514	76	249	0.299	ug/l #	75
18) Methyl Acetate	2.715	43	1147	0.370	ug/l #	65
20) Methylene Chloride	2.788	84	694	Below Cal	#	88
31) Cyclohexane	5.562	56	2879	1.162	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	11391	4.625	ug/l #	48
38) Carbon Tetrachloride	5.556	117	14619	5.453	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1421	0.460	ug/l #	1
76) 1,2,3-Trichloropropane	11.086	75	53689	24.689	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	53689	67.349	ug/l #	12

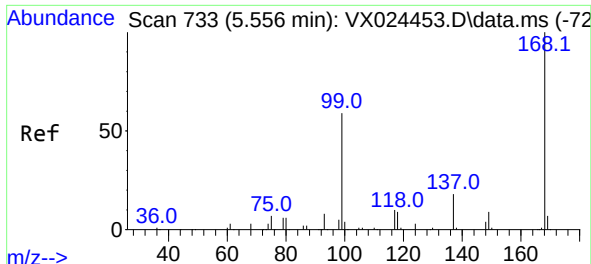
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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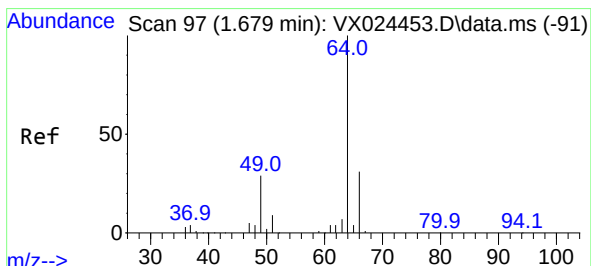
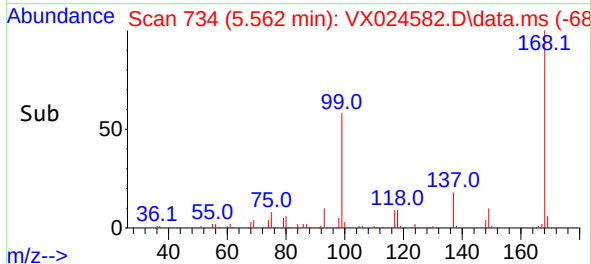
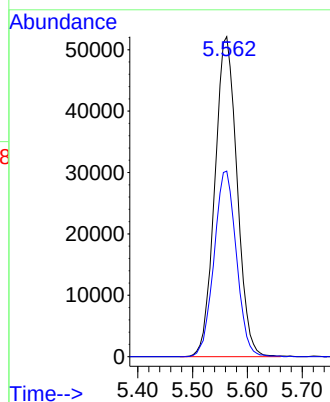
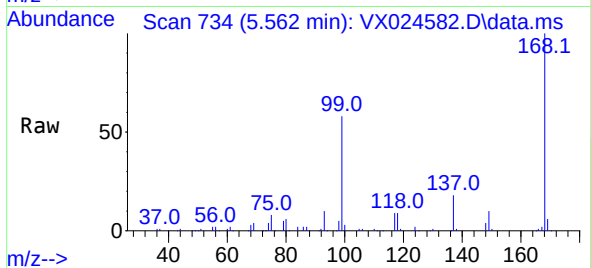




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

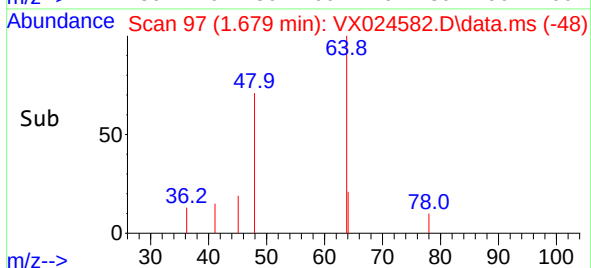
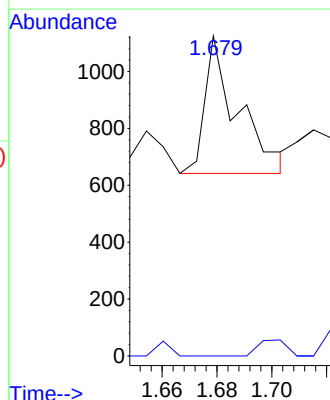
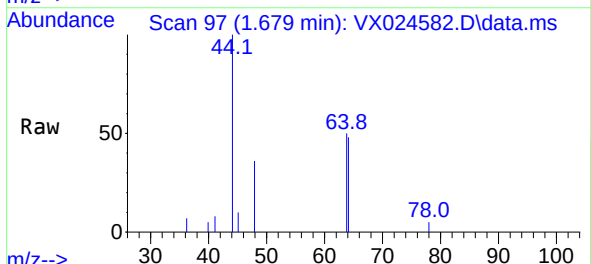
Instrument :
MSVOA_X
ClientSampled :
SH-SUMP

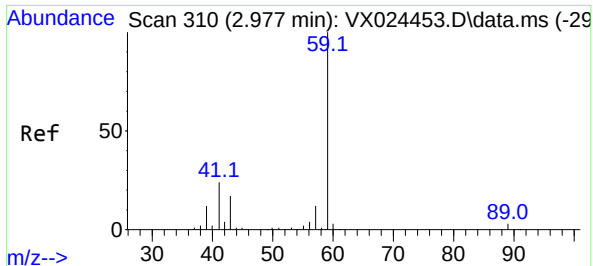
Tgt Ion:168 Resp: 146871
Ion Ratio Lower Upper
168 100
99 58.0 45.8 68.6



#6
Chloroethane
Concen: 0.671 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

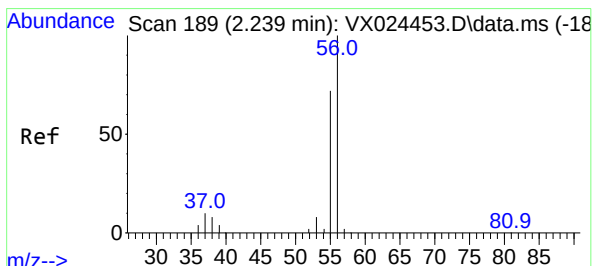
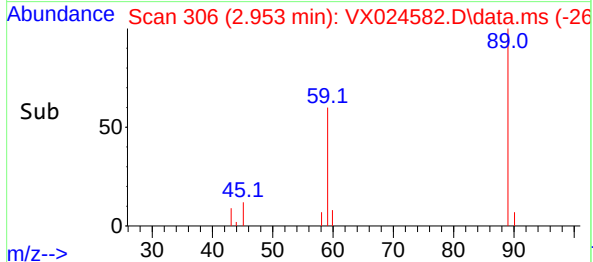
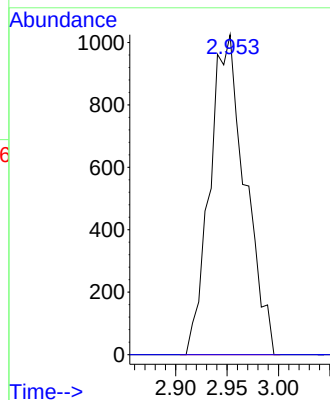
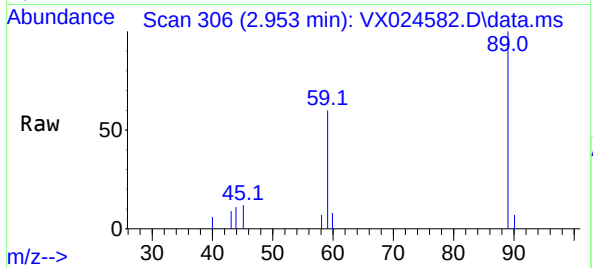




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

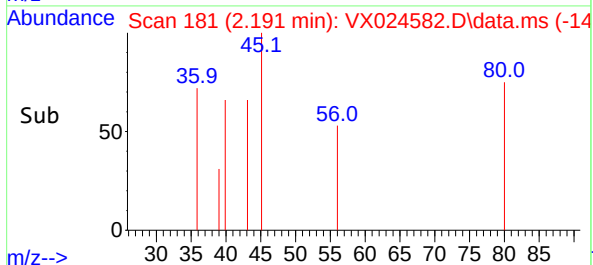
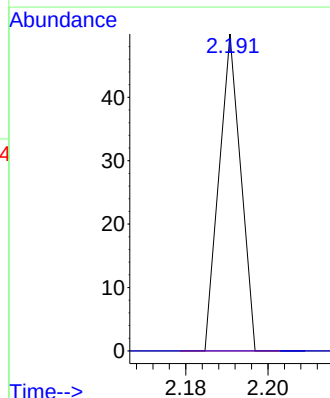
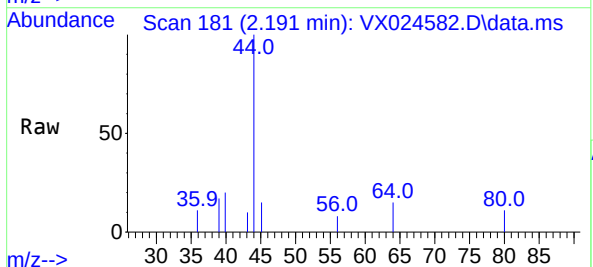
Instrument :
MSVOA_X
ClientSampleId :
SH-SUMP

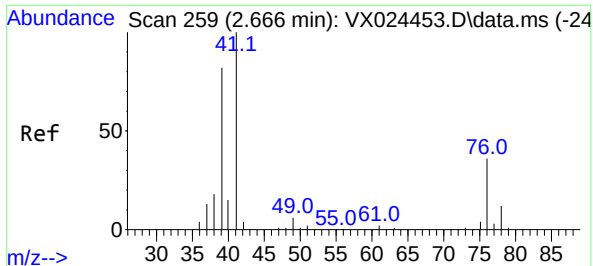
Tgt Ion: 59 Resp: 2449
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.212 ug/l
RT: 2.191 min Scan# 181
Delta R.T. -0.048 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

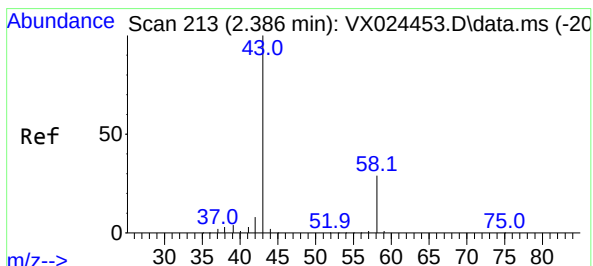
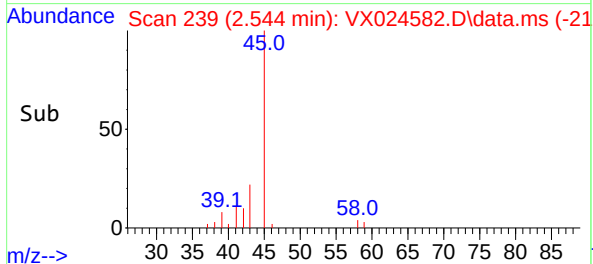
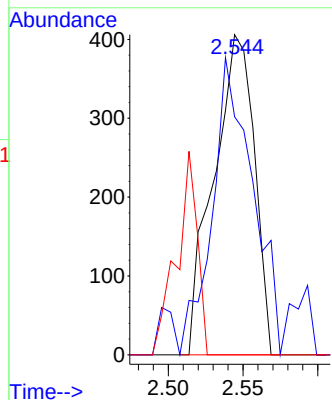
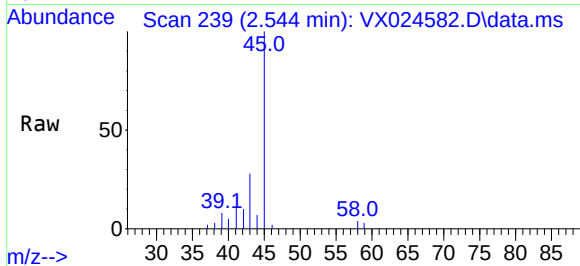




#14
Allyl chloride
Concen: 0.312 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

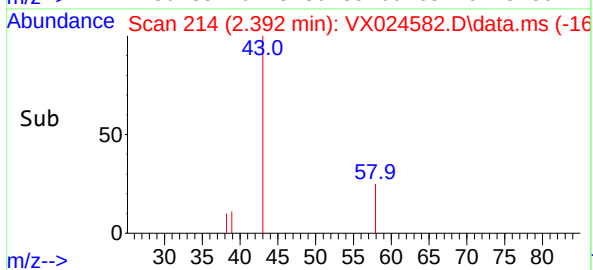
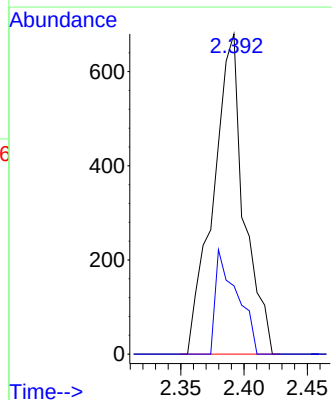
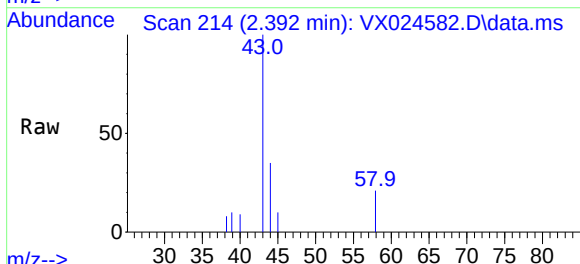
Instrument :
MSVOA_X
ClientSampled :
SH-SUMP

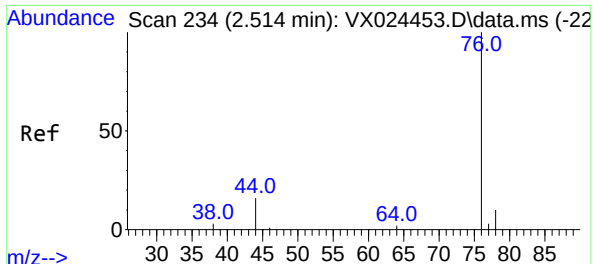
Tgt Ion:	41	Resp:	769
Ion	Ratio	Lower	Upper
41	100		
39	92.1	51.6	77.4#
76	0.0	30.5	45.7#



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion:	43	Resp:	1151
Ion	Ratio	Lower	Upper
43	100		
58	21.3	27.8	41.8#

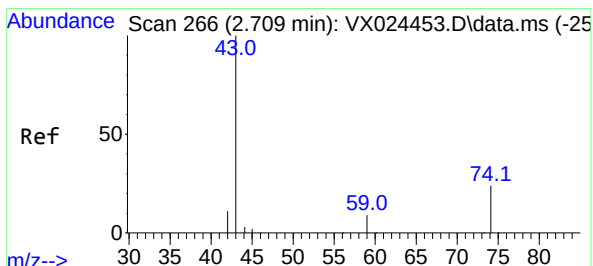
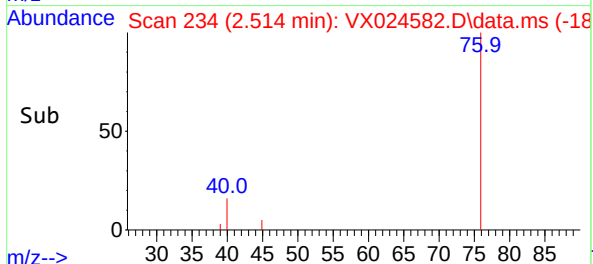
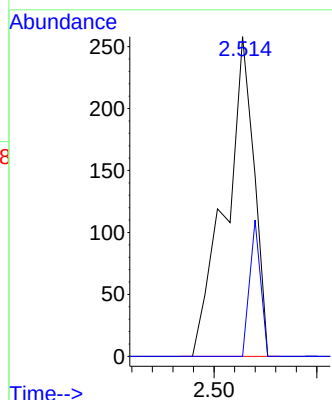
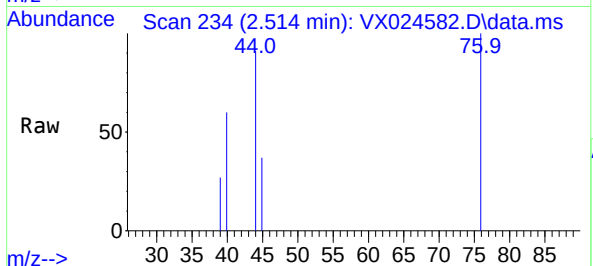




#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

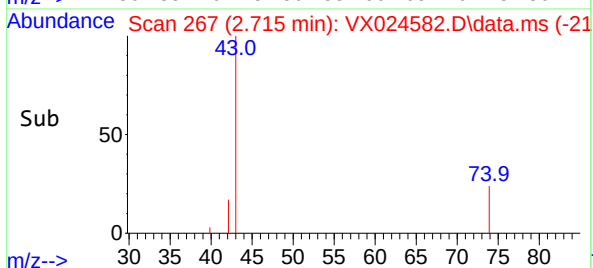
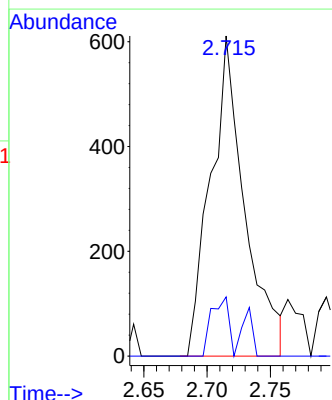
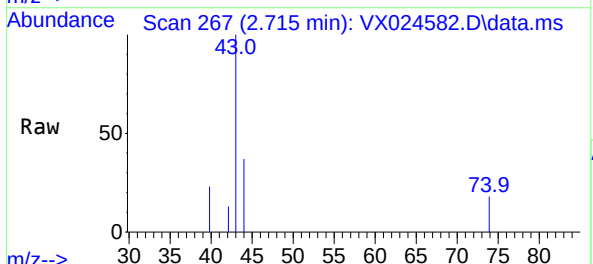
Instrument :
MSVOA_X
ClientSampleId :
SH-SUMP

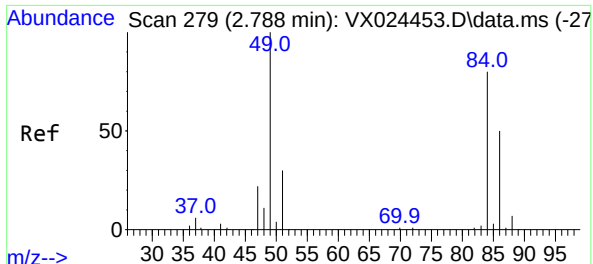
Tgt Ion: 76 Resp: 249
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 9.4 21.9 32.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX024582.D

Acq: 05 Oct 2021 19:34

Instrument :

MSVOA_X

ClientSampled :

SH-SUMP

Tgt Ion: 84 Resp: 694

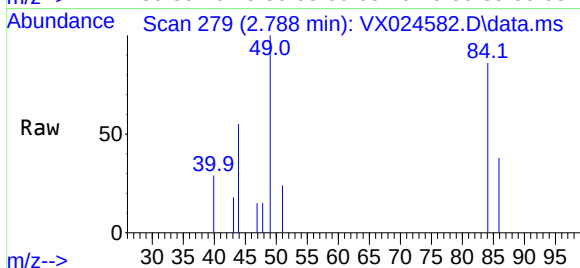
Ion Ratio Lower Upper

84 100

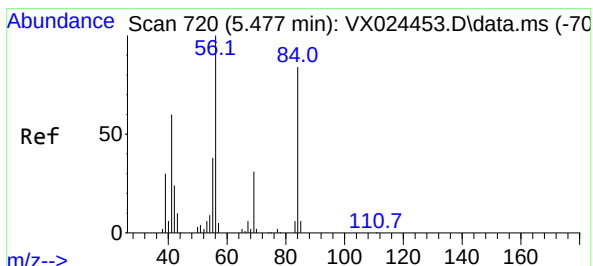
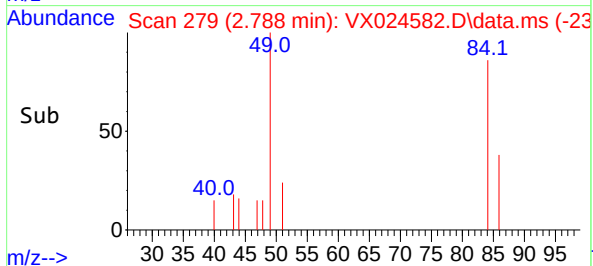
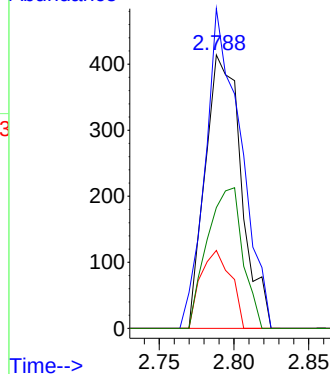
49 116.9 88.6 132.8

51 28.5 27.0 40.6

86 44.2 50.3 75.5#



Abundance



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024582.D

Acq: 05 Oct 2021 19:34

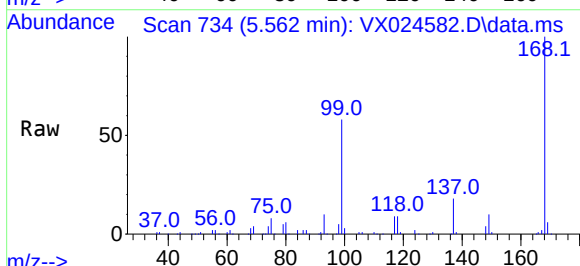
Tgt Ion: 56 Resp: 2879

Ion Ratio Lower Upper

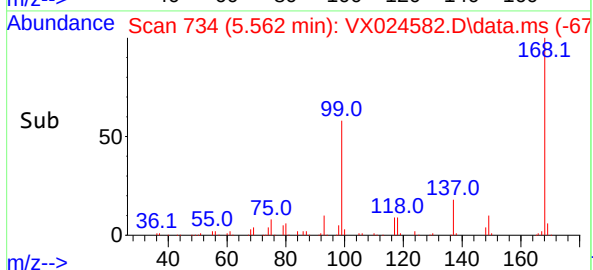
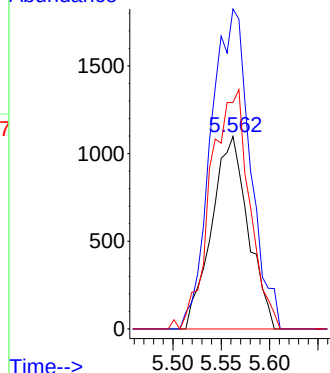
56 100

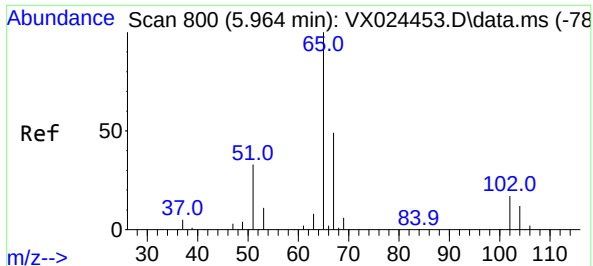
69 166.2 25.3 37.9#

84 117.7 71.4 107.0#



Abundance



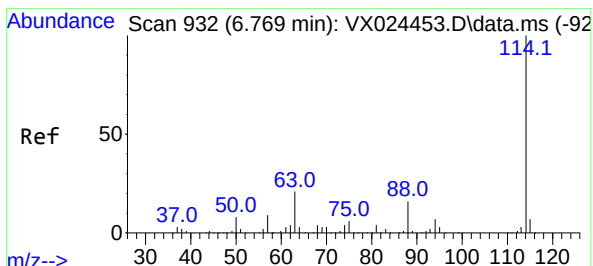
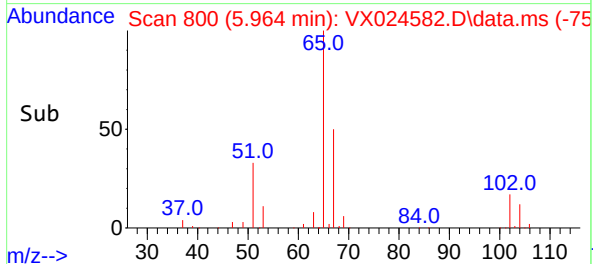
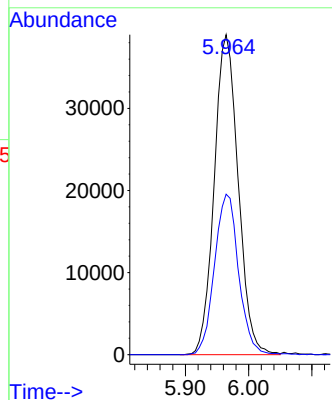
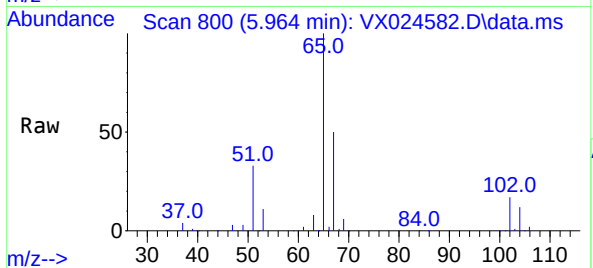


#33

1,2-Dichloroethane-d4
Concen: 49.463 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Instrument :
MSVOA_X
ClientSampleId :
SH-SUMP

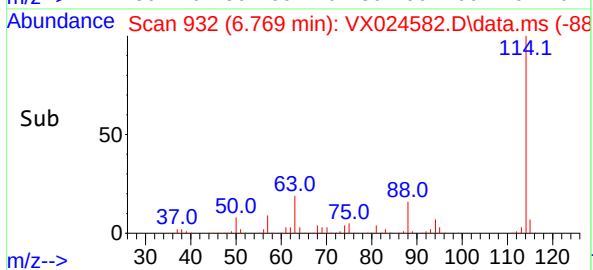
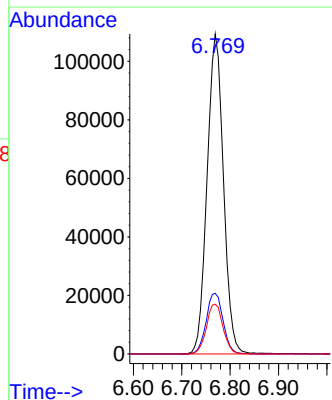
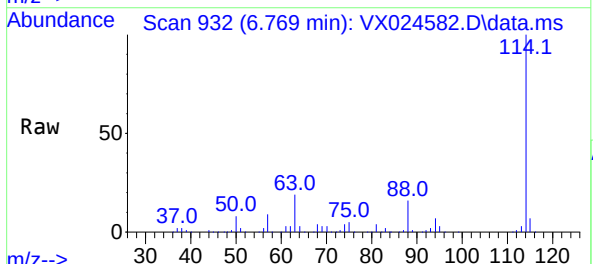
Tgt Ion: 65 Resp: 102387
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

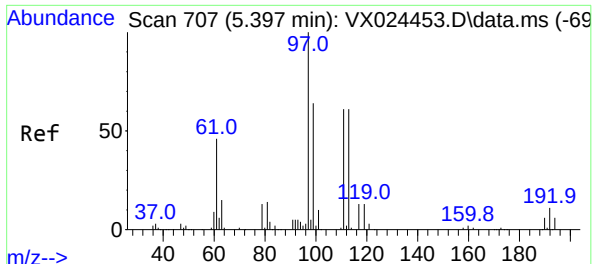


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 114 Resp: 256913
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.611 ug/l

RT: 5.398 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024582.D

Acq: 05 Oct 2021 19:34

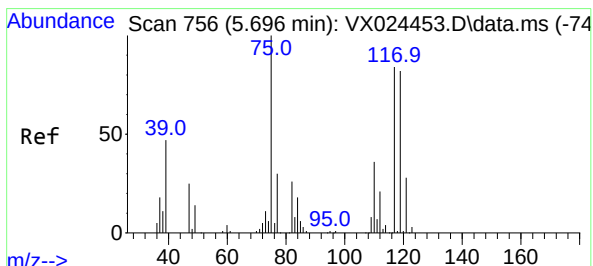
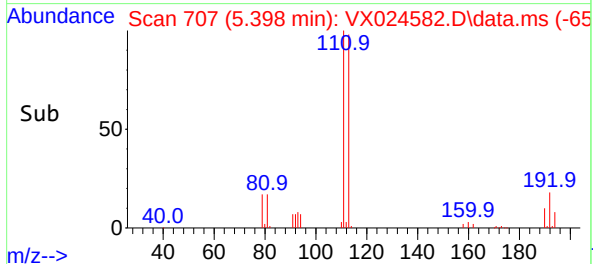
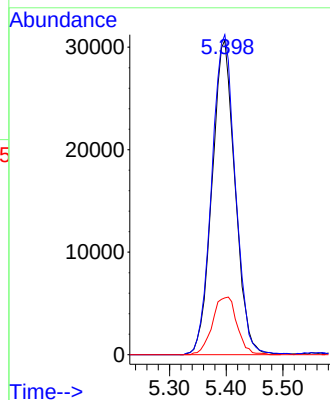
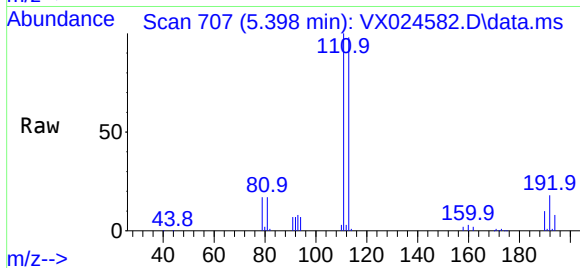
Tgt Ion:113 Resp: 86379

Ion Ratio Lower Upper

113 100

111 104.3 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.625 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024582.D

Acq: 05 Oct 2021 19:34

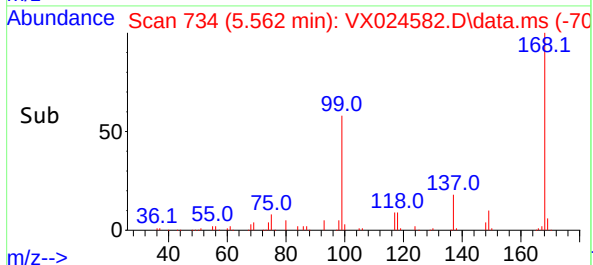
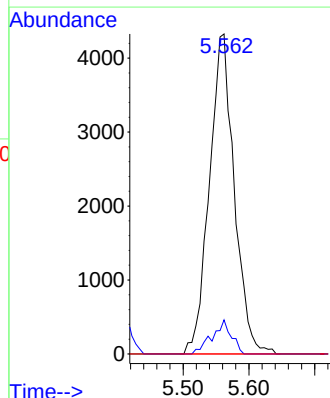
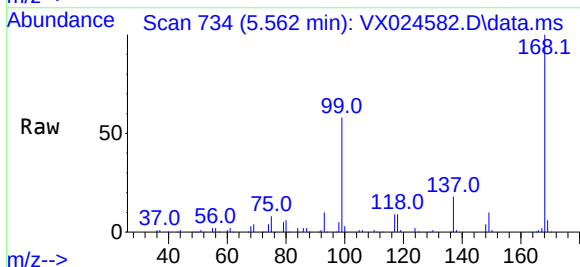
Tgt Ion: 75 Resp: 11391

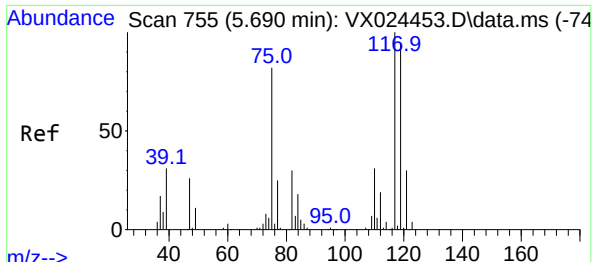
Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.4#

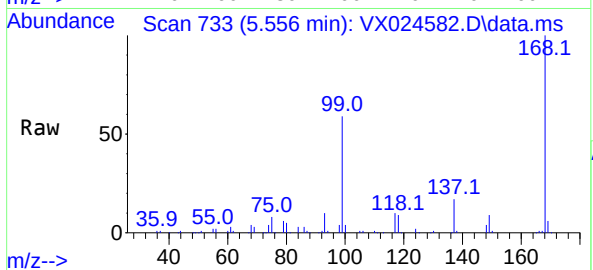
77 0.0 25.3 37.9#



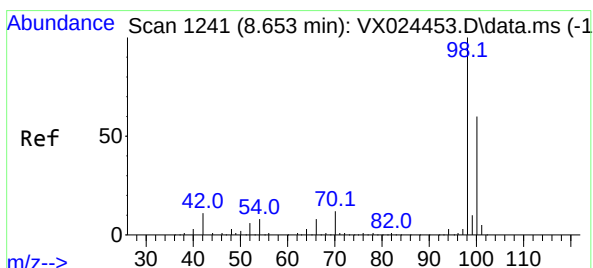
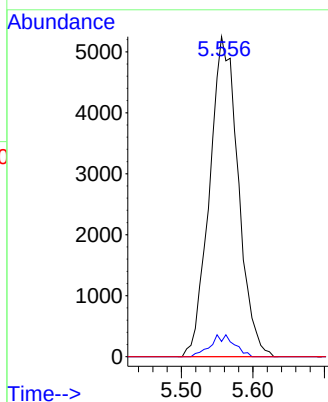
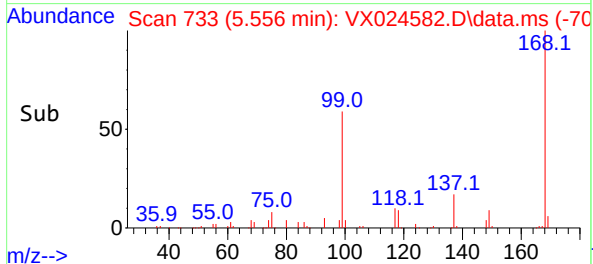


#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

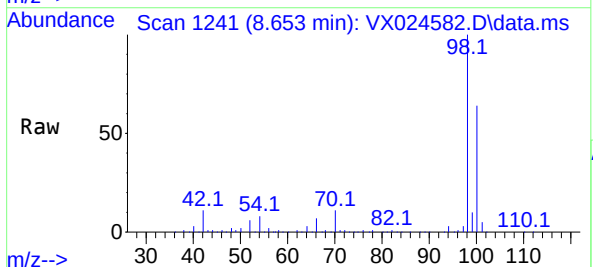
Instrument :
MSVOA_X
ClientSampleId :
SH-SUMP



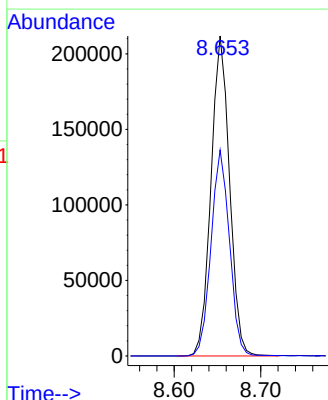
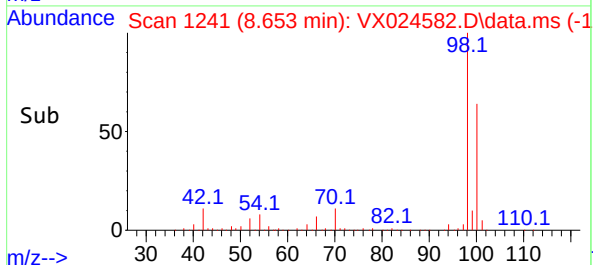
Tgt Ion:117 Resp: 14619
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

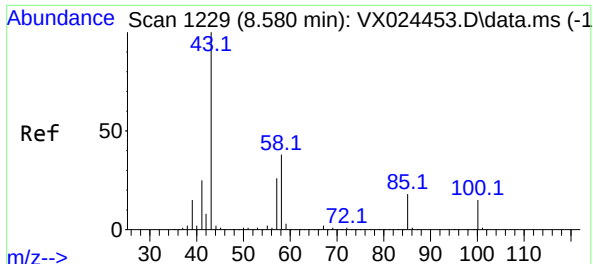


#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34



Tgt Ion: 98 Resp: 314996
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

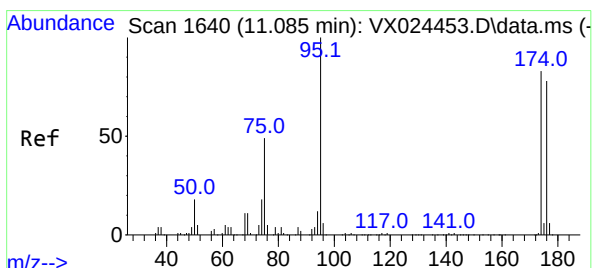
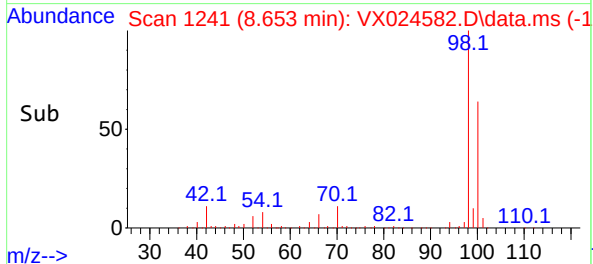
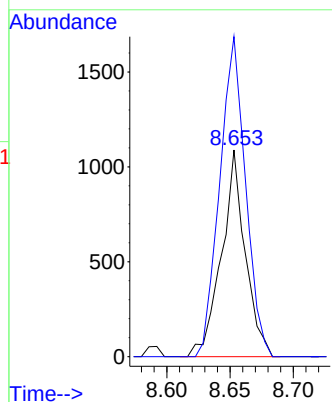
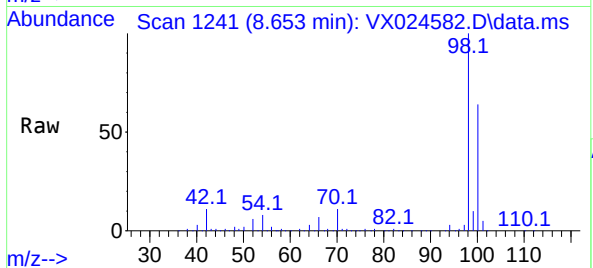




#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

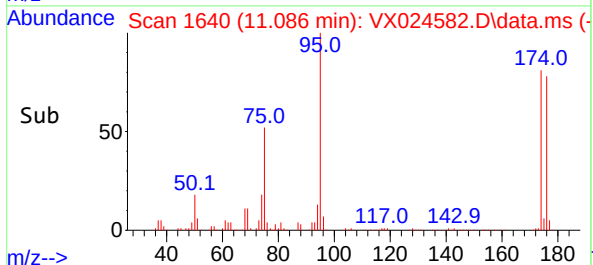
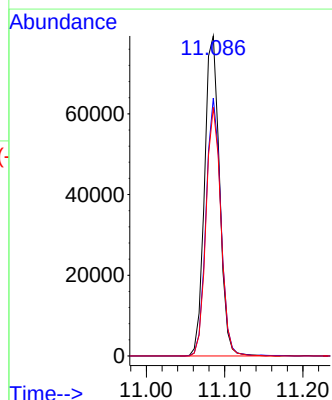
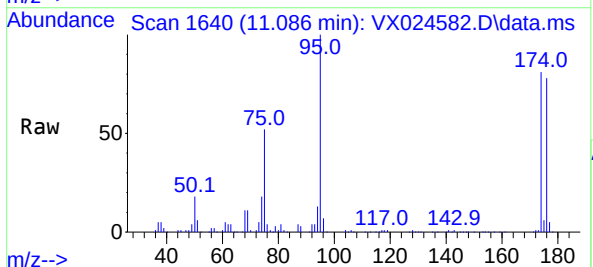
Instrument :
MSVOA_X
ClientSampled :
SH-SUMP

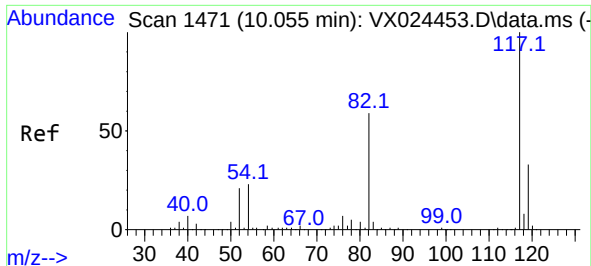
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 168.2 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 42.567 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 95 Resp: 105133
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 76.8 0.0 155.8

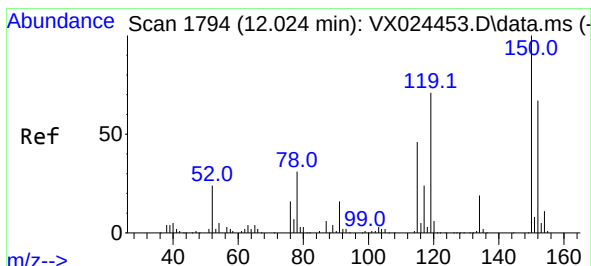
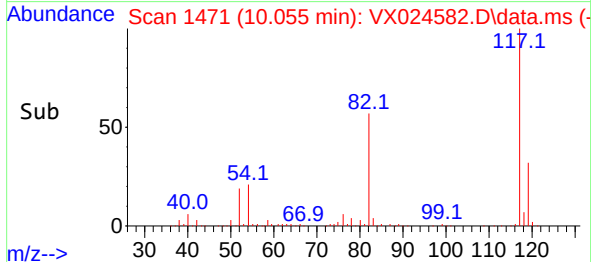
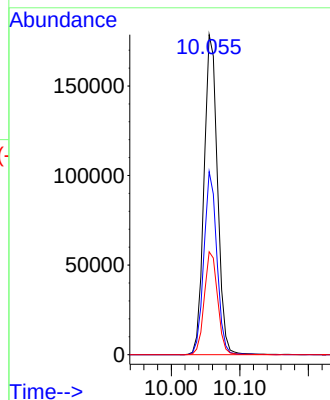
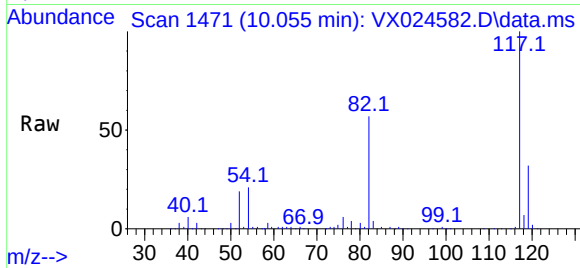




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

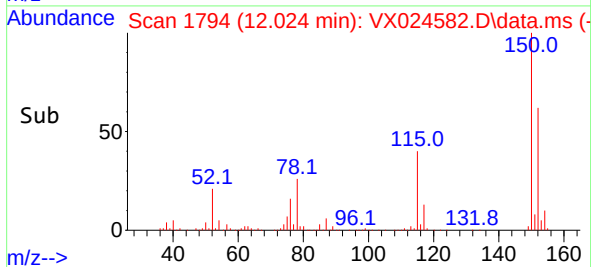
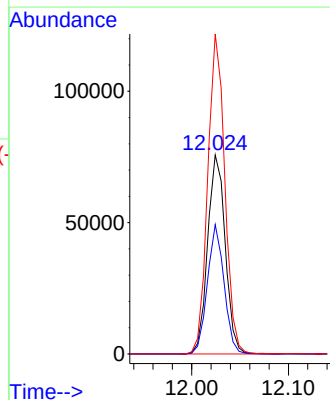
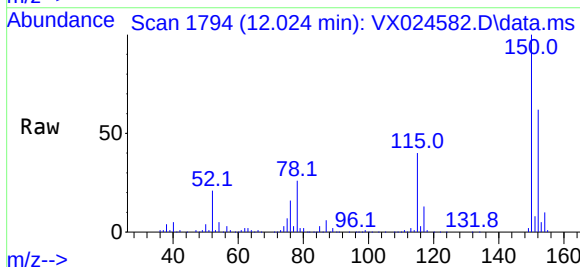
Instrument :
MSVOA_X
ClientSampleId :
SH-SUMP

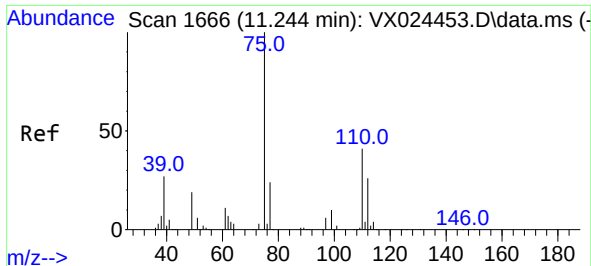
Tgt Ion:117 Resp: 244105
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion:152 Resp: 95760
Ion Ratio Lower Upper
152 100
115 61.5 41.1 123.3
150 155.6 0.0 349.0

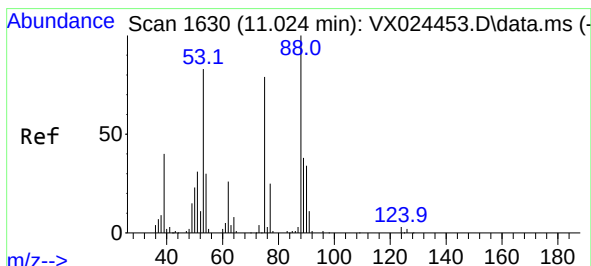
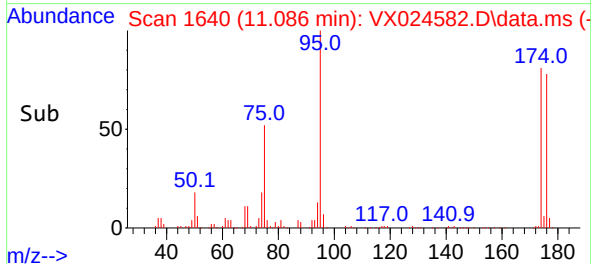
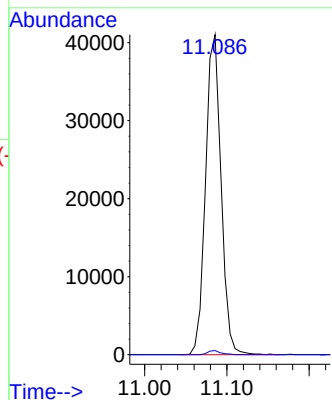
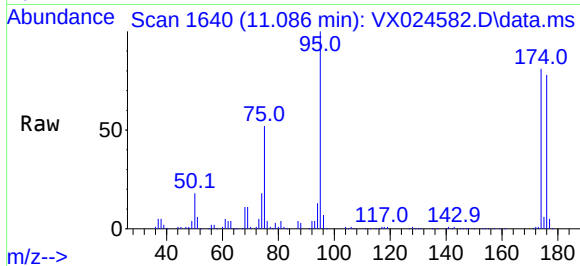




#76
1,2,3-Trichloropropane
Concen: 24.689 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Instrument :
MSVOA_X
ClientSampled :
SH-SUMP

Tgt Ion: 75 Resp: 53689
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.349 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX024582.D
Acq: 05 Oct 2021 19:34

Tgt Ion: 75 Resp: 53689
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

