

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090721\
 Data File : VX024117.D
 Acq On : 07 Sep 2021 14:22
 Operator : JC/MD
 Sample : VX0907WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 08 13:24:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

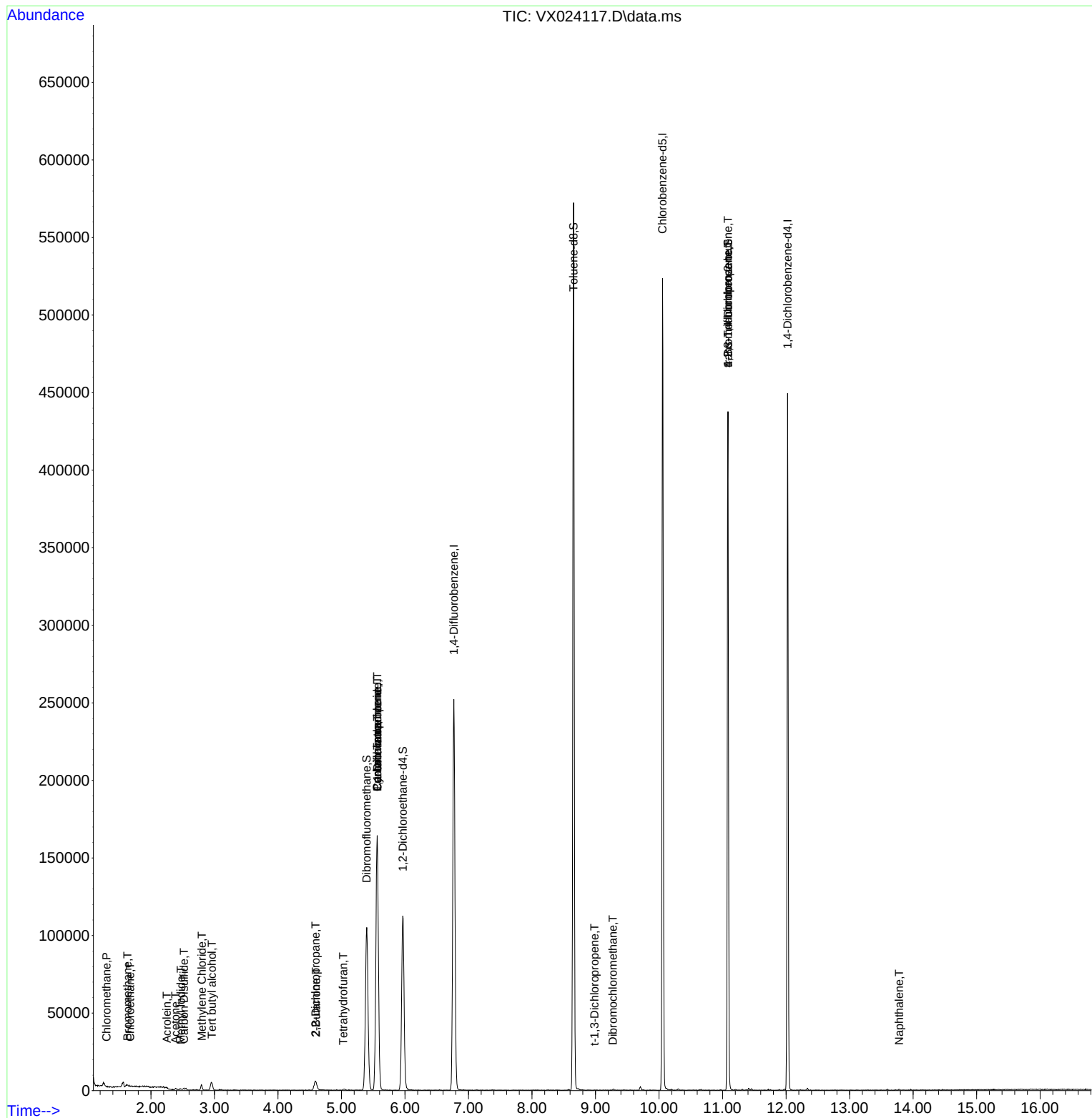
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	149976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	251088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	115842	55.342	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.680%	
35) Dibromofluoromethane	5.397	113	88649	53.342	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.680%	
50) Toluene-d8	8.653	98	324426	51.291	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.580%	
62) 4-Bromofluorobenzene	11.085	95	113367	48.687	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.380%	
Target Compounds						Qvalue
3) Chloromethane	1.300	50	417	0.240	ug/l	96
5) Bromomethane	1.630	94	923	0.867	ug/l #	79
6) Chloroethane	1.672	64	54	2.254	ug/l #	43
10) Methyl Iodide	2.471	142	1010	0.482	ug/l	95
11) Tert butyl alcohol	2.959	59	3357	7.930	ug/l #	73
13) Acrolein	2.251	56	100	0.397	ug/l #	25
16) Acetone	2.386	43	1026	1.096	ug/l #	82
17) Carbon Disulfide	2.520	76	1043	0.304	ug/l #	82
20) Methylene Chloride	2.800	84	1343	0.751	ug/l #	82
25) 2-Butanone	4.599	43	481	0.339	ug/l #	45
26) 2,2-Dichloropropane	4.593	77	564	0.234	ug/l #	52
29) Tetrahydrofuran	5.025	42	684	0.745	ug/l #	40
31) Cyclohexane	5.562	56	3361	1.250	ug/l #	12
36) 1,1-Dichloropropene	5.562	75	12147	5.224	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15538	6.408	ug/l #	16
53) t-1,3-Dichloropropene	8.982	75	74	2.161	ug/l #	44
60) Dibromochloromethane	9.275	129	58	1.716	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60346	28.863	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60346	84.900	ug/l #	12
95) Naphthalene	13.780	128	530	1.361	ug/l #	77

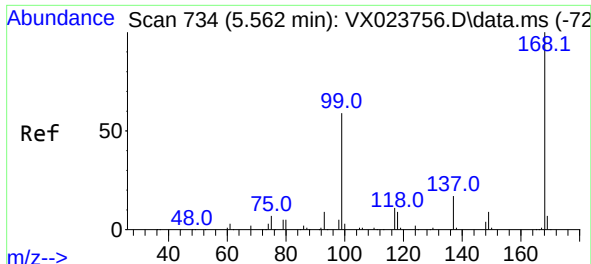
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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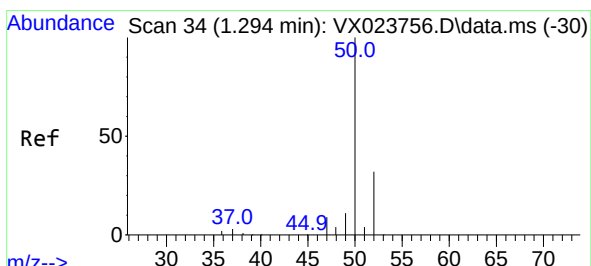
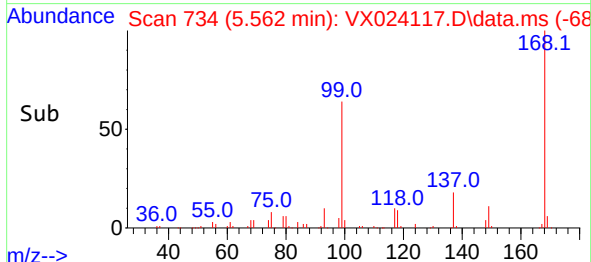
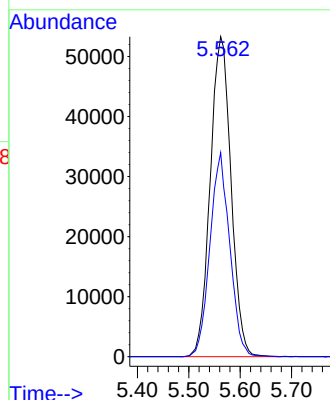
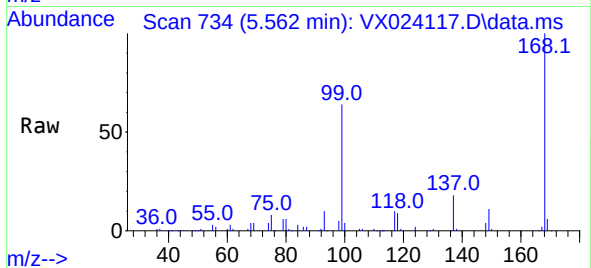




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

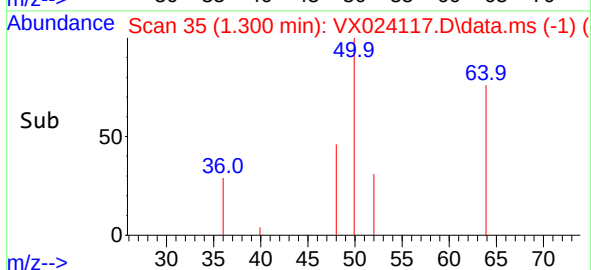
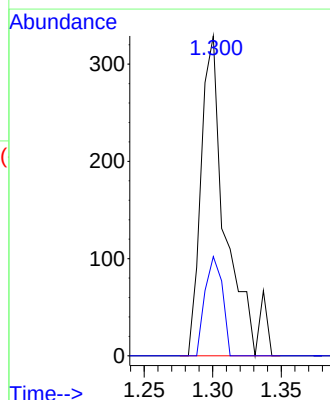
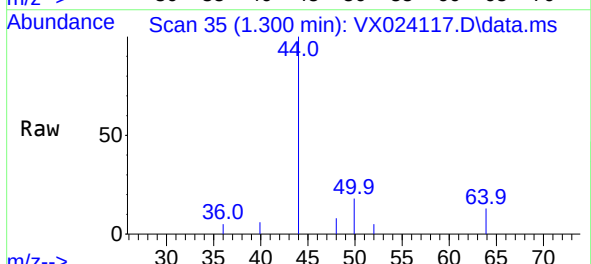
Instrument :
MSVOA_X
ClientSampled :

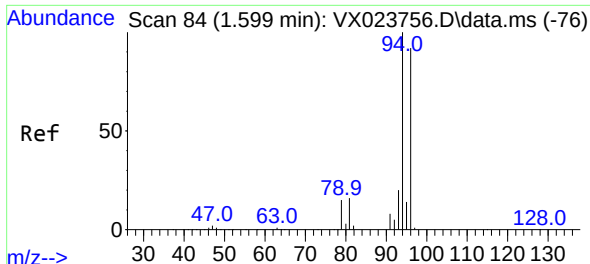
Tgt Ion:168 Resp: 149976
Ion Ratio Lower Upper
168 100
99 63.8 45.8 68.6



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 31.0 26.4 39.6

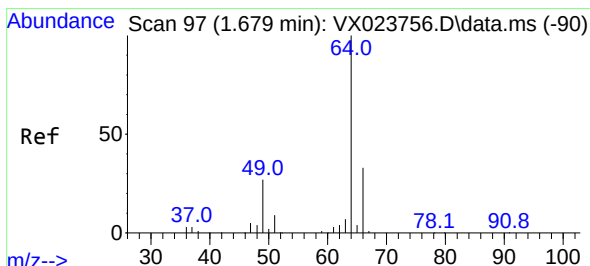
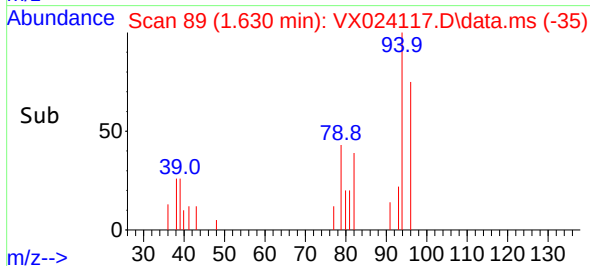
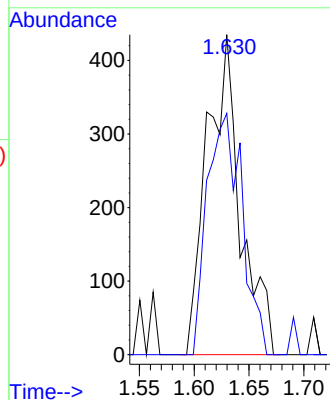
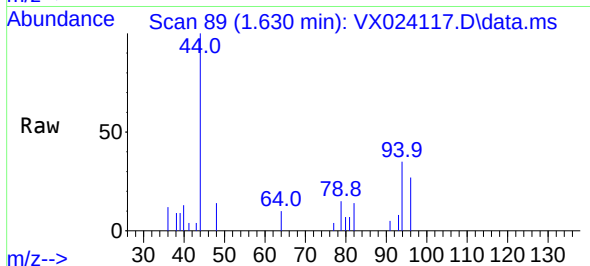




#5
Bromomethane
Concen: 0.867 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

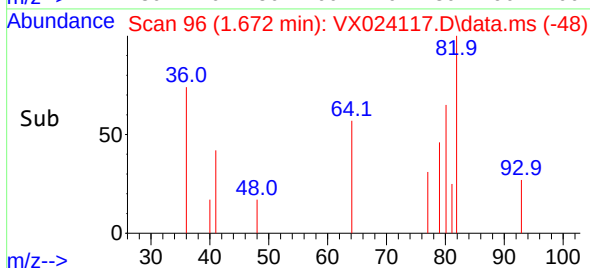
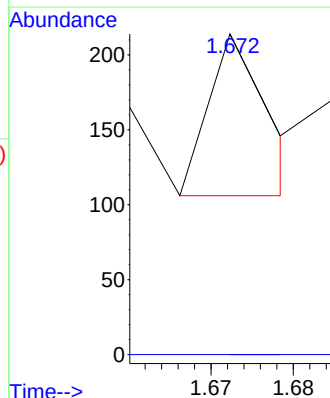
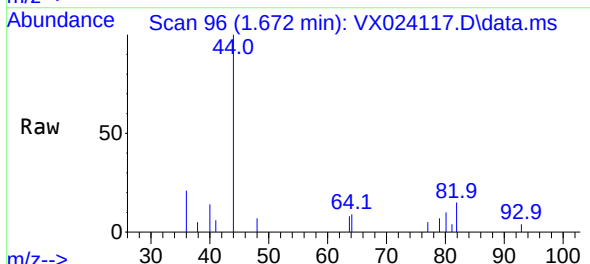
Instrument :
MSVOA_X
ClientSampled :

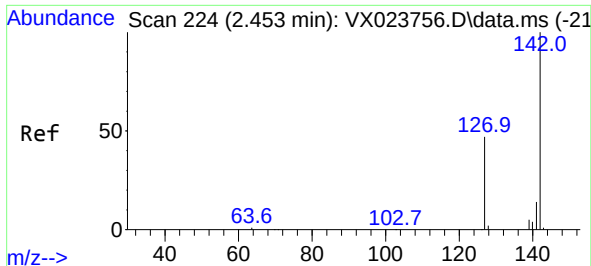
Tgt Ion: 94 Resp: 923
Ion Ratio Lower Upper
94 100
96 75.4 76.4 114.6#



#6
Chloroethane
Concen: 2.254 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

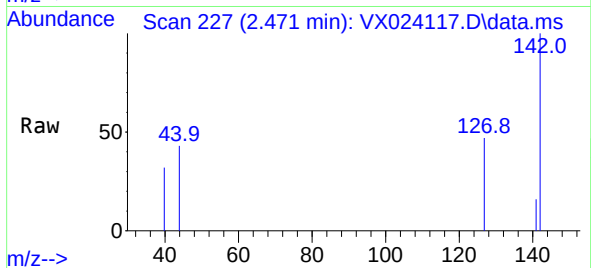
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



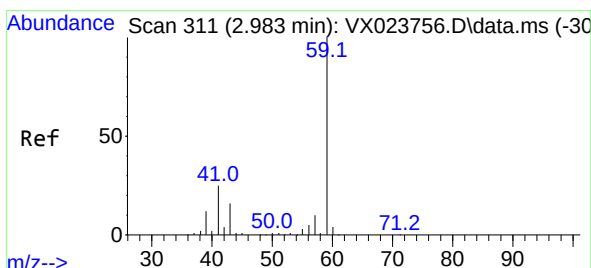
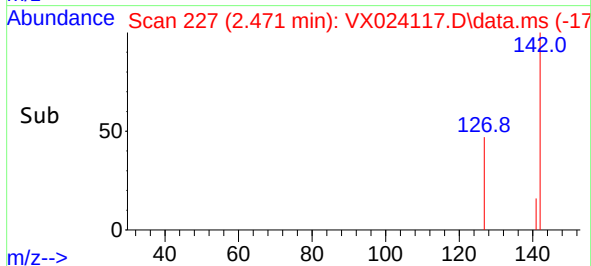
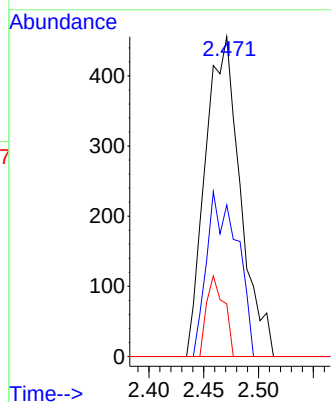


#10
Methyl Iodide
Concen: 0.482 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Instrument :
MSVOA_X
ClientSampled :

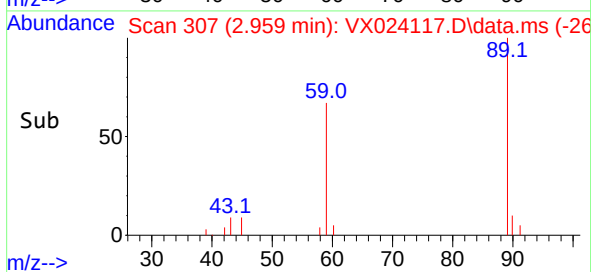
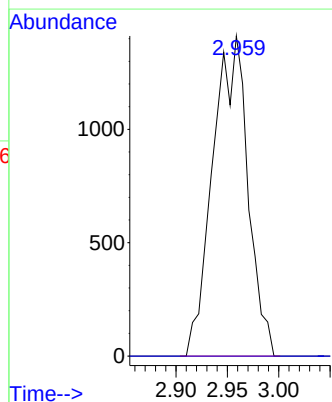
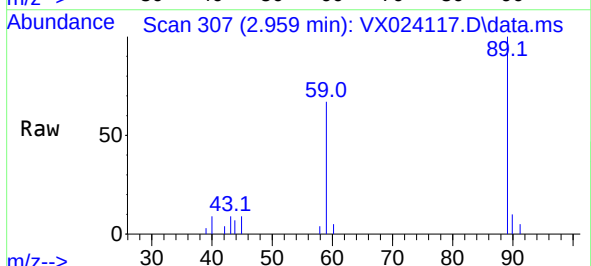


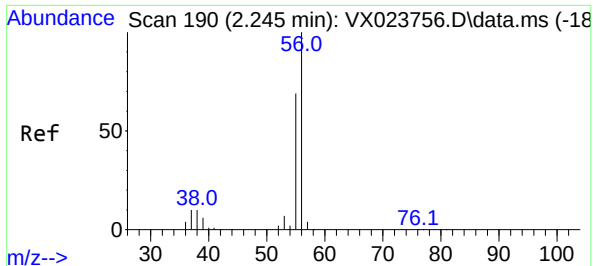
Tgt Ion:142 Resp: 1010
Ion Ratio Lower Upper
142 100
127 45.0 33.3 49.9
141 12.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 7.930 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 59 Resp: 3357
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

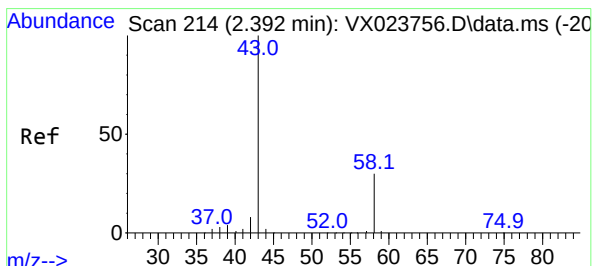
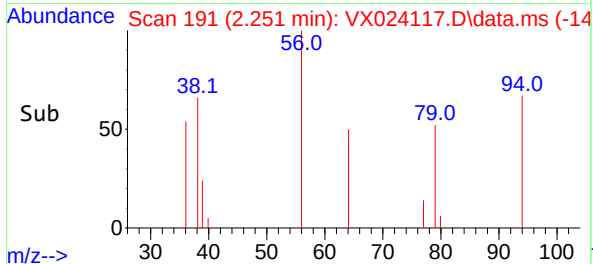
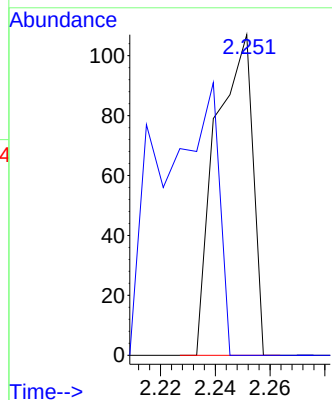
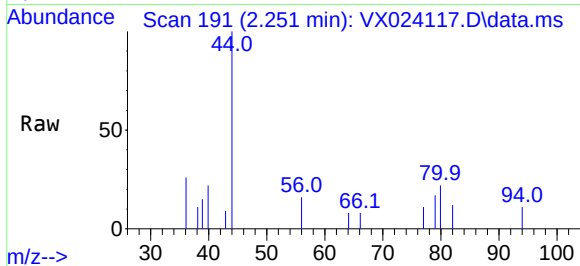




#13
Acrolein
Concen: 0.397 ug/l
RT: 2.251 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

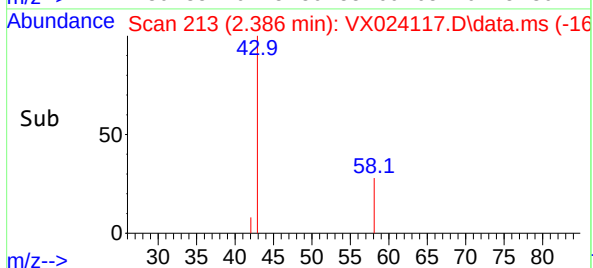
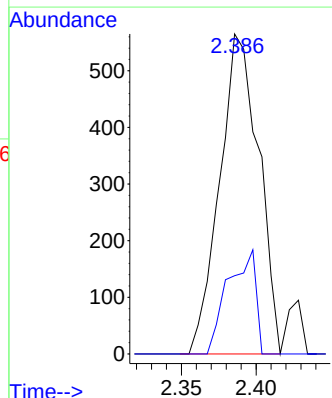
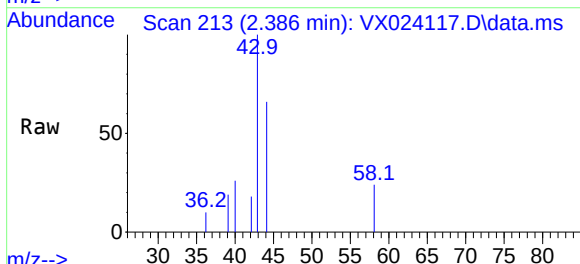
Instrument :
MSVOA_X
ClientSampled :

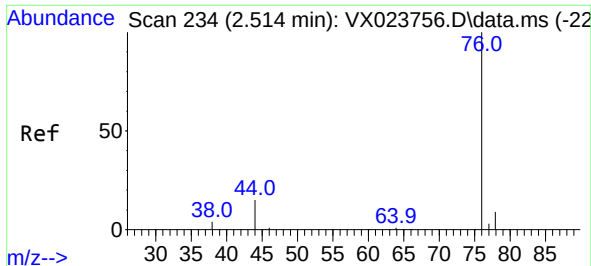
Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 132.0 56.4 84.6#



#16
Acetone
Concen: 1.096 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 24.4 27.8 41.8#

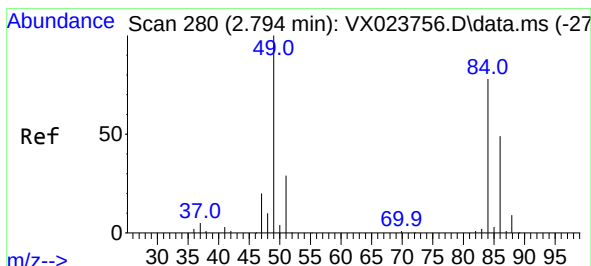
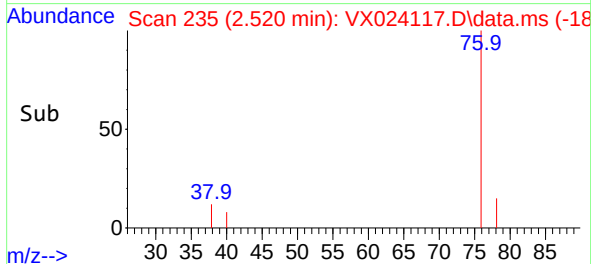
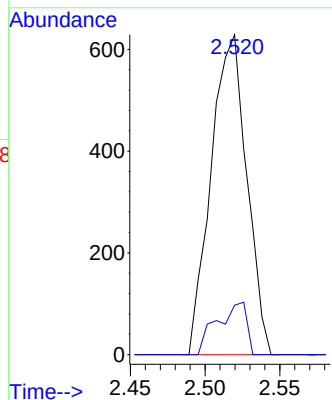
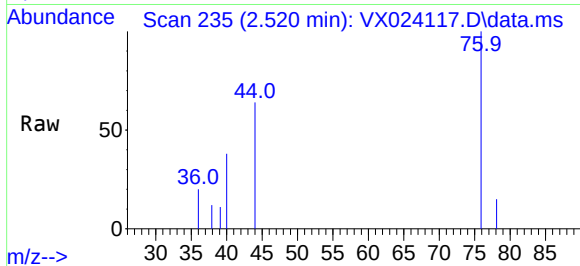




#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

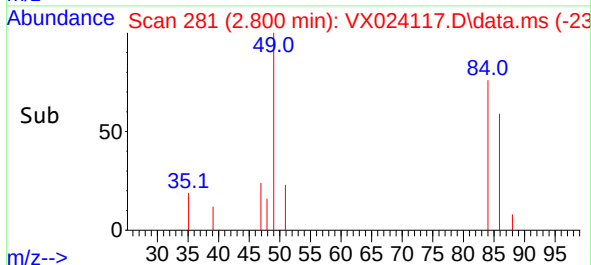
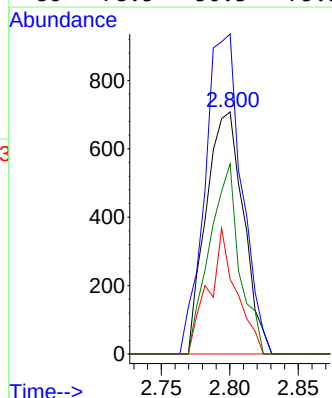
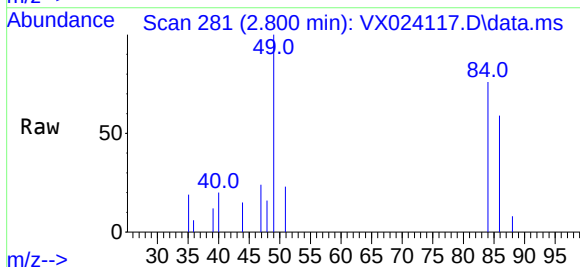
Instrument :
MSVOA_X
ClientSampled :

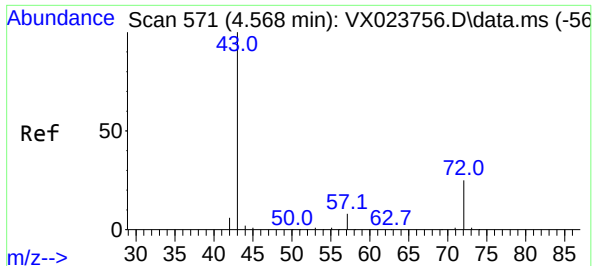
Tgt Ion: 76 Resp: 1043
Ion Ratio Lower Upper
76 100
78 15.4 7.2 10.8#



#20
Methylene Chloride
Concen: 0.751 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 84 Resp: 1343
Ion Ratio Lower Upper
84 100
49 132.2 88.6 132.8
51 30.8 27.0 40.6
86 78.5 50.3 75.5#





#25

2-Butanone

Concen: 0.339 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.031 min

Lab File: VX024117.D

Acq: 07 Sep 2021 14:22

Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

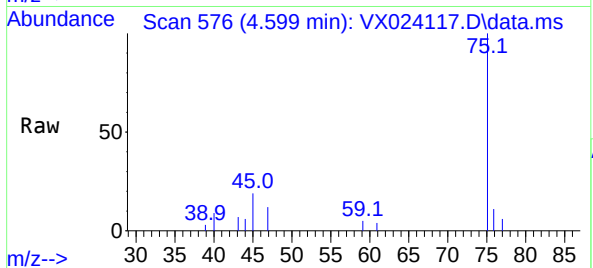
43 100

72 0.0 23.7 35.5#

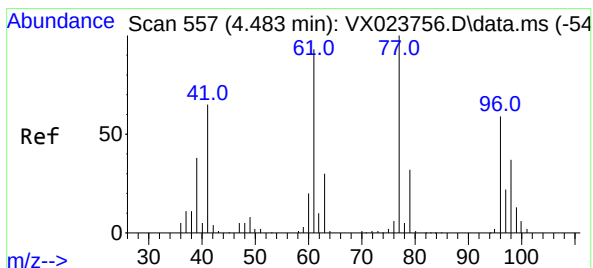
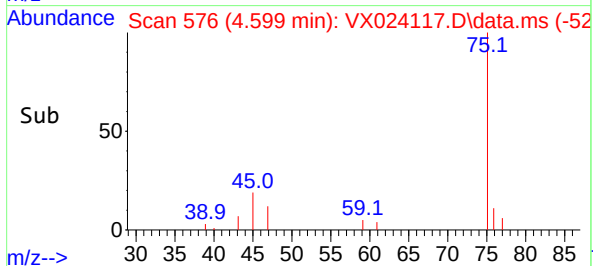
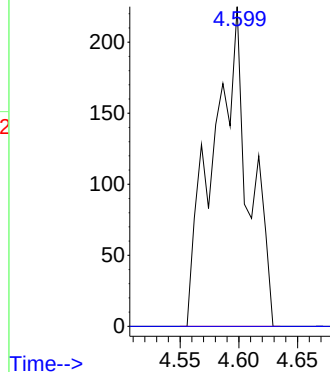
Instrument :

MSVOA_X

ClientSampleId :



Abundance



#26

2,2-Dichloropropane

Concen: 0.234 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.110 min

Lab File: VX024117.D

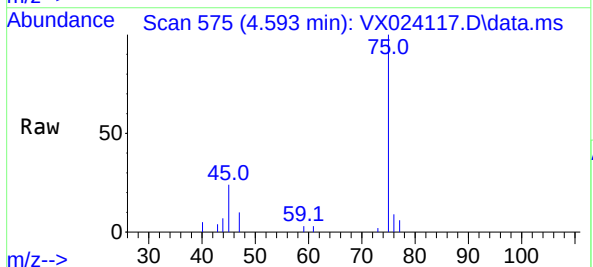
Acq: 07 Sep 2021 14:22

Tgt Ion: 77 Resp: 564

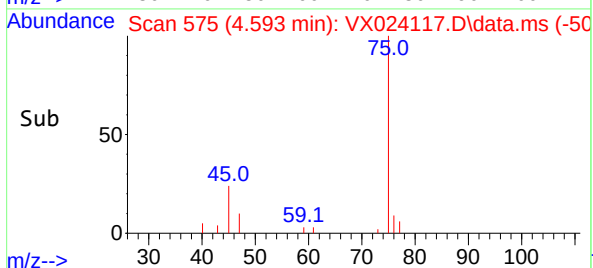
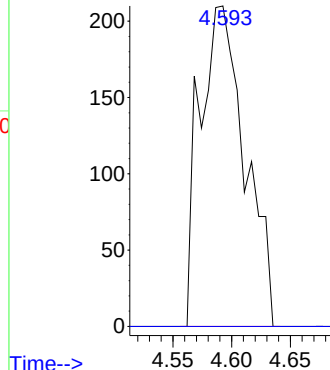
Ion Ratio Lower Upper

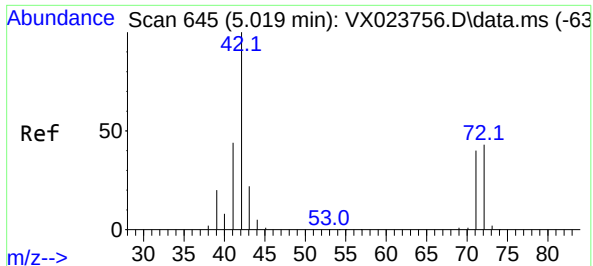
77 100

97 0.0 11.7 35.1#



Abundance





#29

Tetrahydrofuran

Concen: 0.745 ug/l

RT: 5.025 min Scan# 646

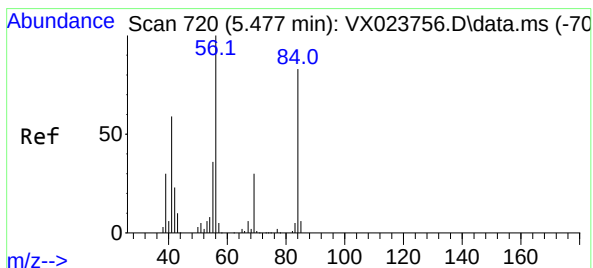
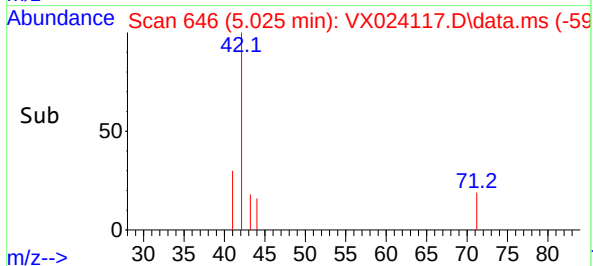
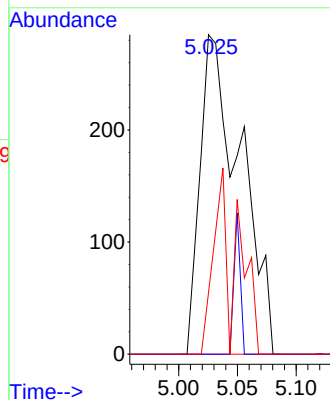
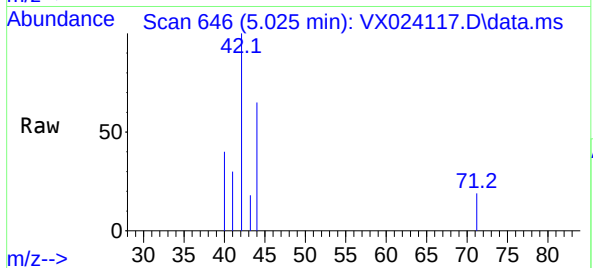
Delta R.T. 0.006 min

Lab File: VX024117.D

Acq: 07 Sep 2021 14:22

Tgt Ion:	42	Resp:	684
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	17.7	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.250 ug/l

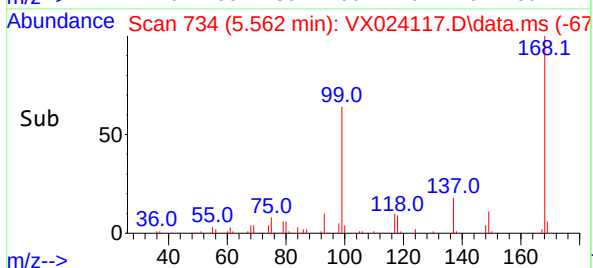
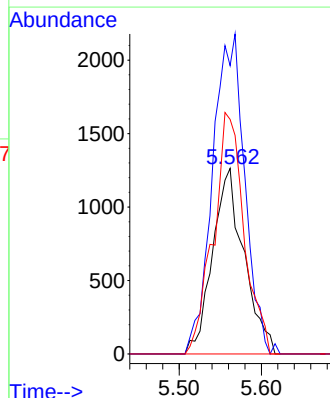
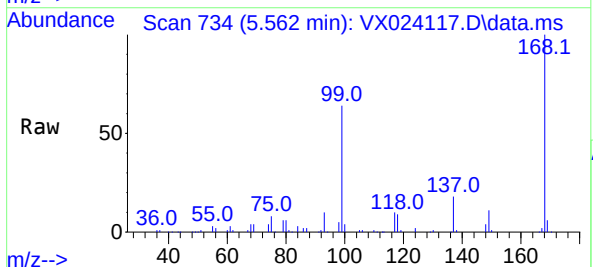
RT: 5.562 min Scan# 734

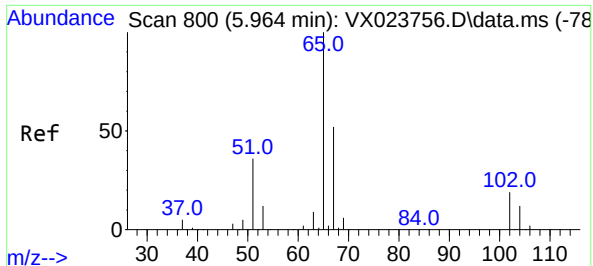
Delta R.T. 0.085 min

Lab File: VX024117.D

Acq: 07 Sep 2021 14:22

Tgt Ion:	56	Resp:	3361
Ion	Ratio	Lower	Upper
56	100		
69	155.3	25.3	37.9#
84	126.4	71.4	107.0#



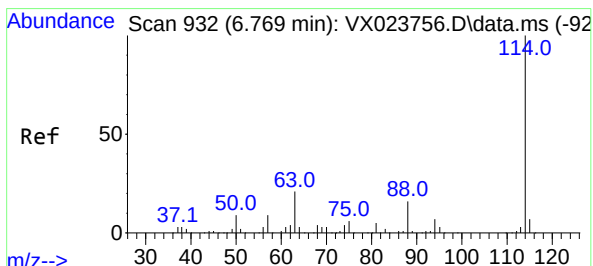
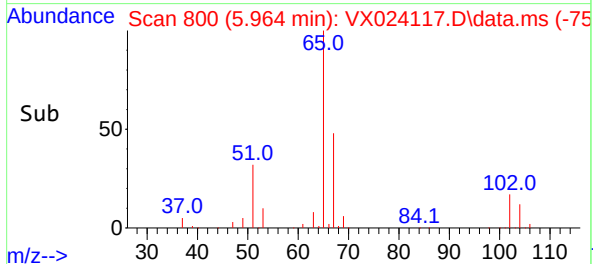
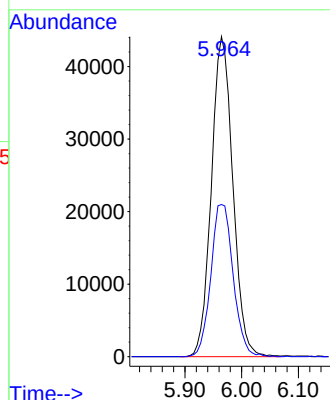
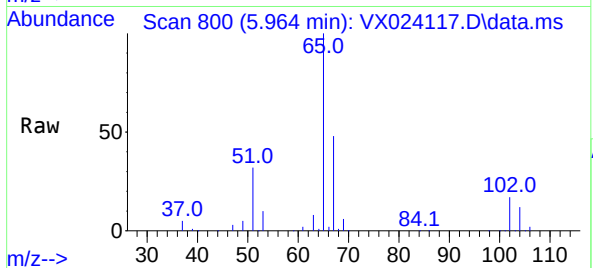


#33

1,2-Dichloroethane-d4
Concen: 55.342 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Instrument :
MSVOA_X
ClientSampled :

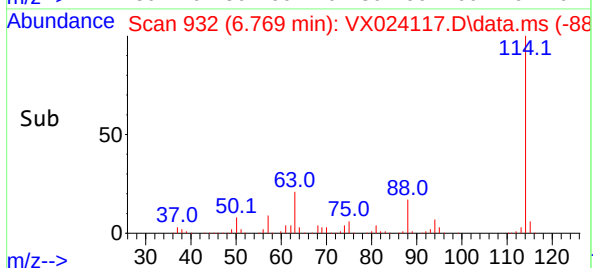
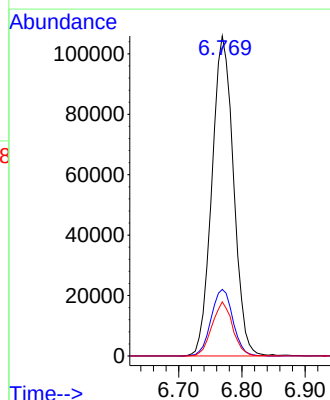
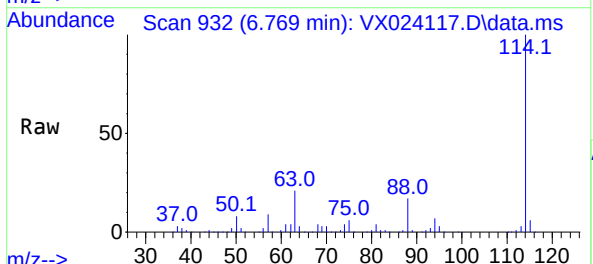
Tgt Ion: 65 Resp: 115842
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

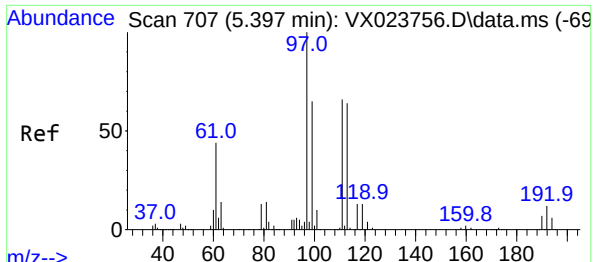


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 114 Resp: 251088
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.9 0.0 32.8

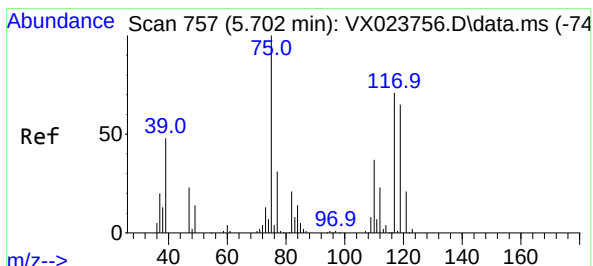
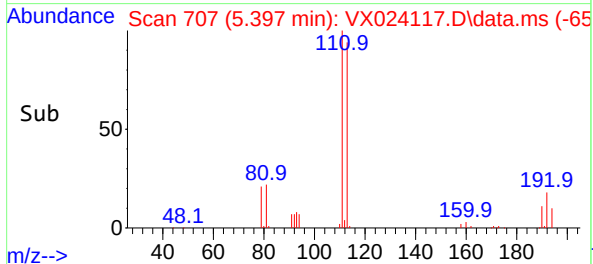
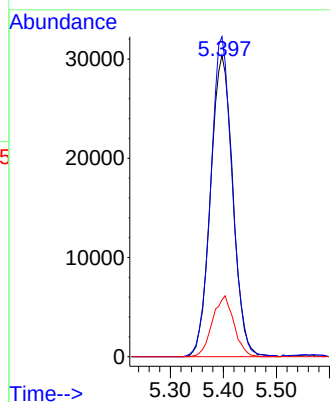
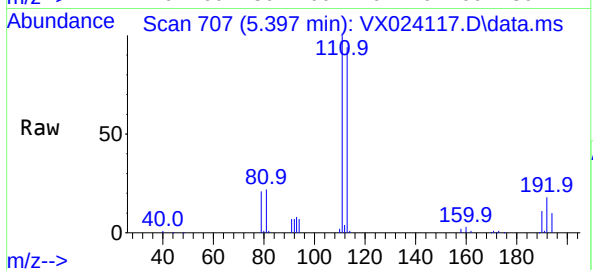




#35
Dibromofluoromethane
Concen: 53.342 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

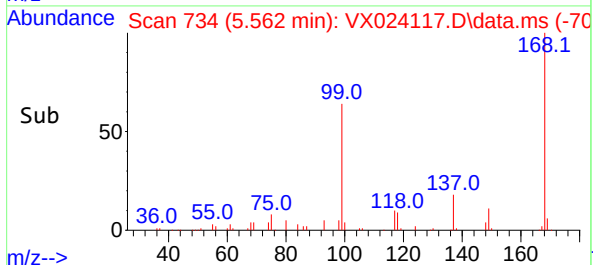
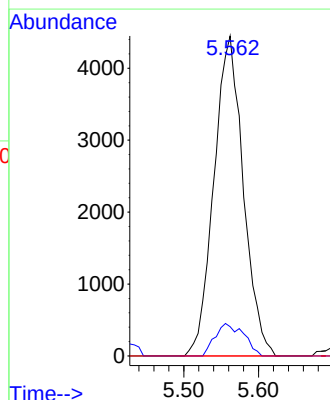
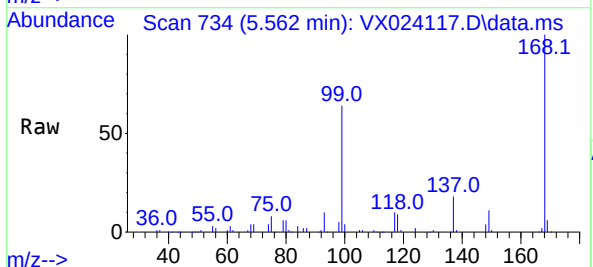
Instrument :
MSVOA_X
ClientSampleId :

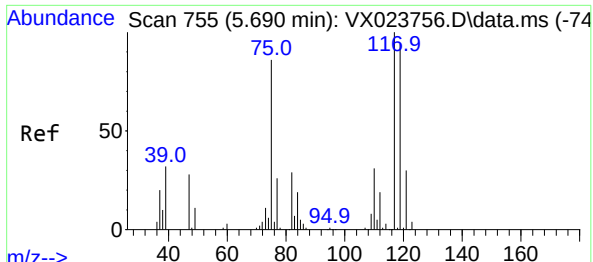
Tgt Ion:113 Resp: 88649
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.224 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

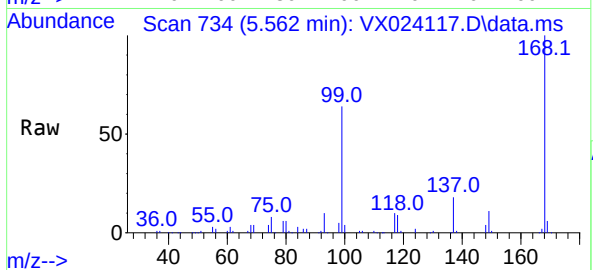
Tgt Ion: 75 Resp: 12147
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



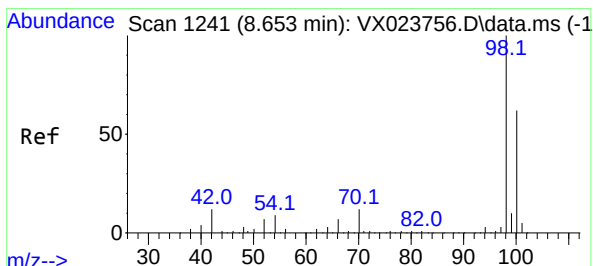
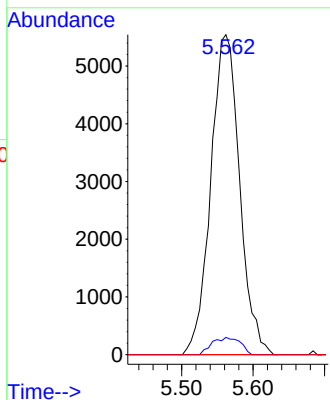
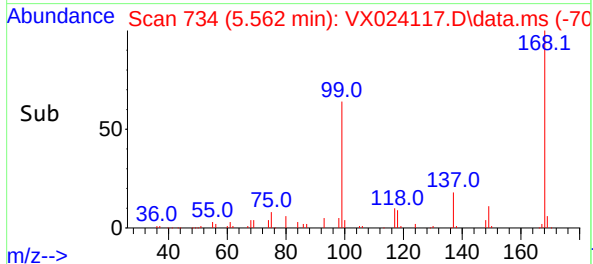


#38
Carbon Tetrachloride
Concen: 6.408 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

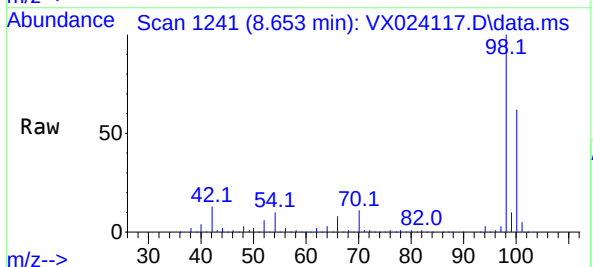
Instrument :
MSVOA_X
ClientSampled :



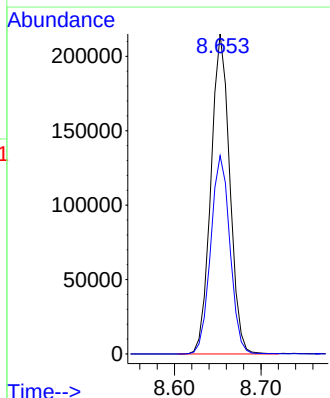
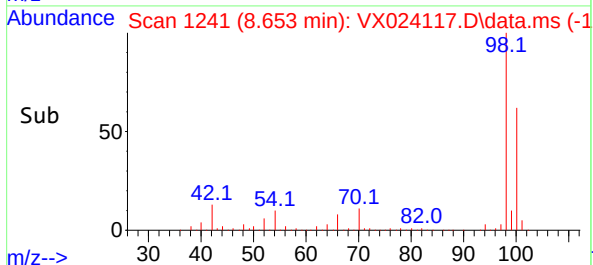
Tgt Ion:117 Resp: 15538
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#

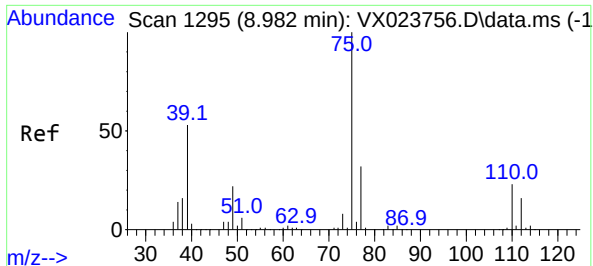


#50
Toluene-d8
Concen: 51.291 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22



Tgt Ion: 98 Resp: 324426
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

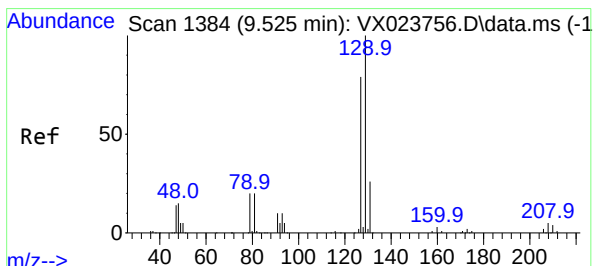
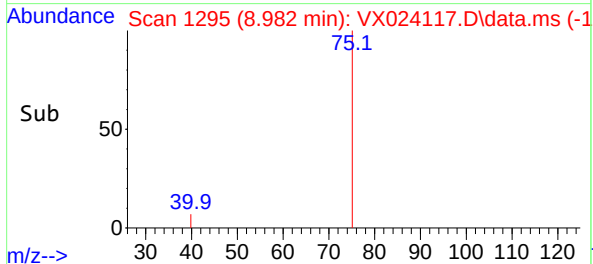
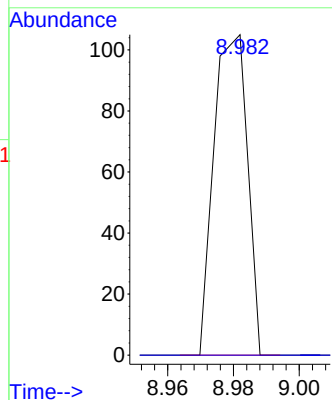
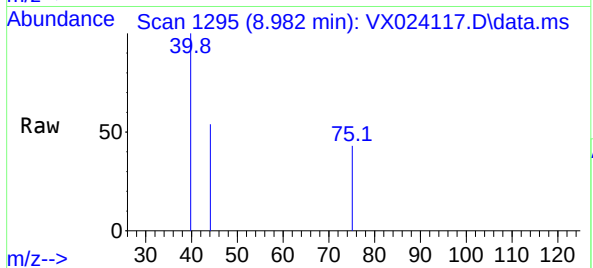




#53
t-1,3-Dichloropropene
Concen: 2.161 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

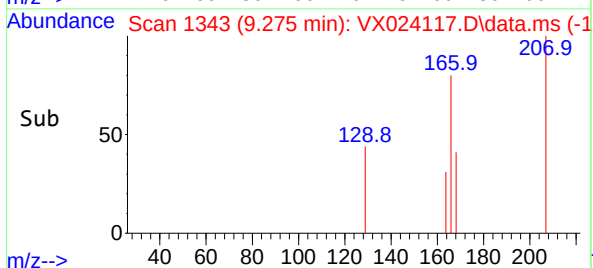
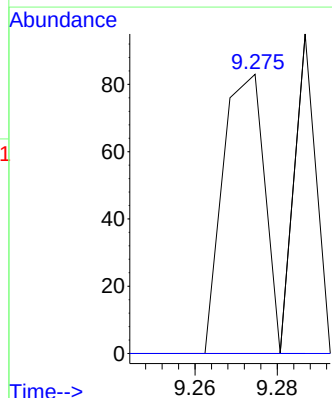
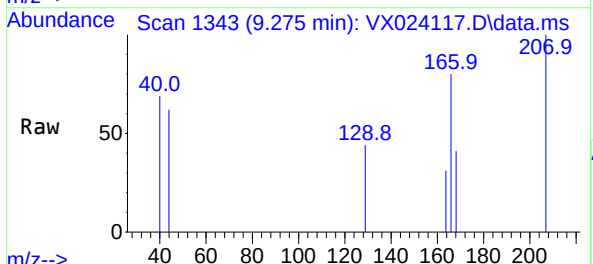
Instrument :
MSVOA_X
ClientSampled :

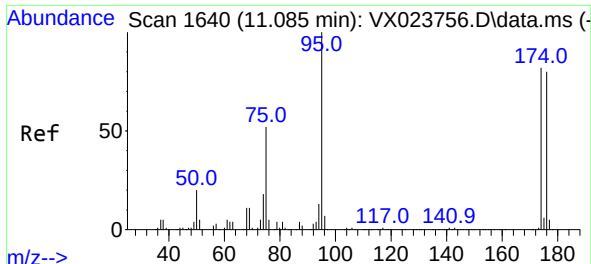
Tgt Ion: 75 Resp: 74
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 1.716 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 129 Resp: 58
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

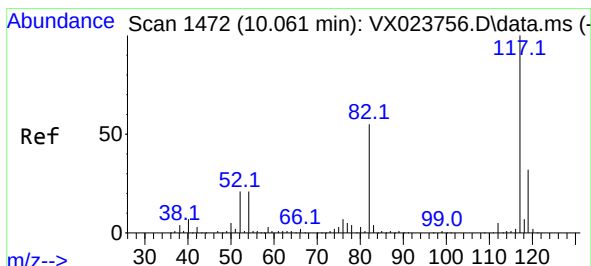
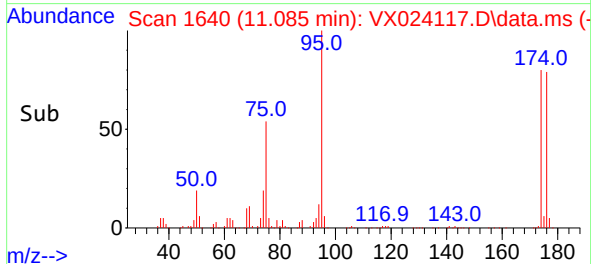
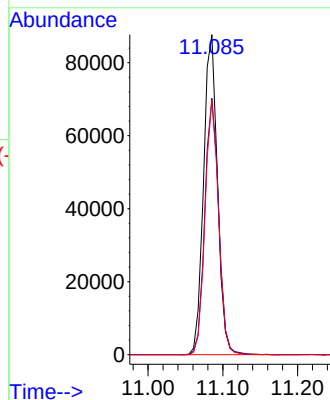
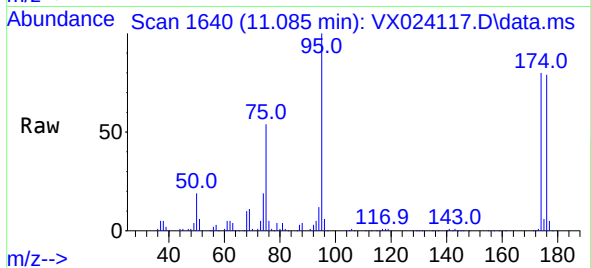




#62
4-Bromofluorobenzene
Concen: 48.687 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

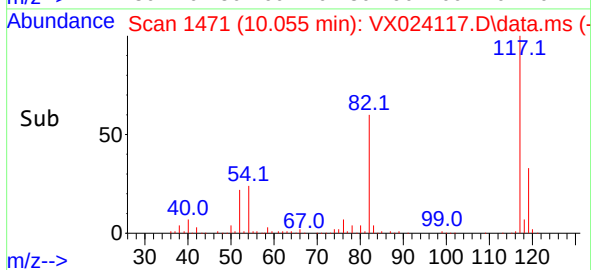
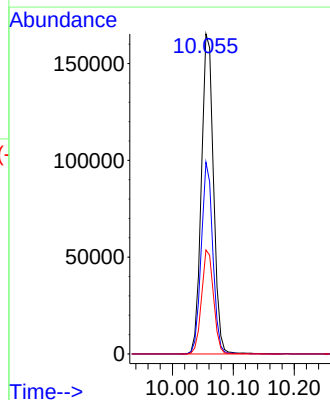
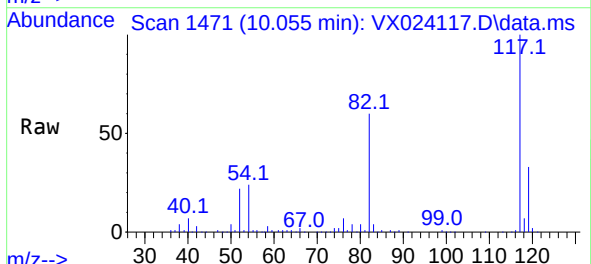
Instrument :
MSVOA_X
ClientSampled :

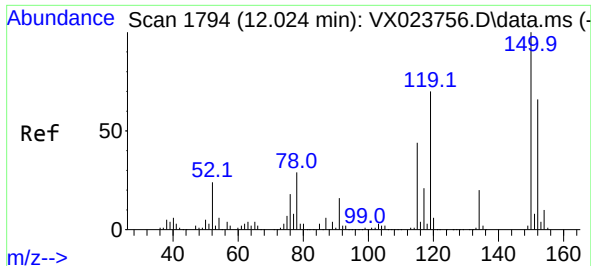
Tgt Ion: 95 Resp: 113367
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 117 Resp: 228592
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.5 26.6 39.8

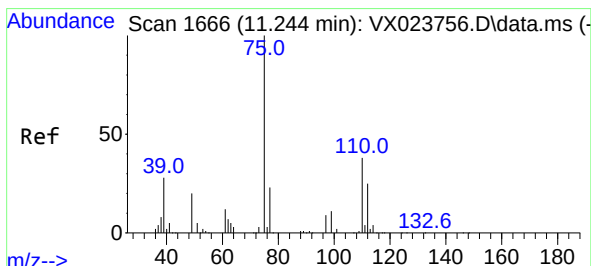
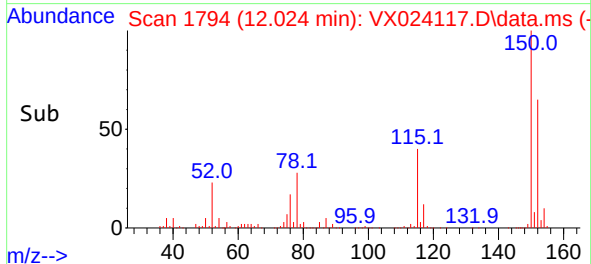
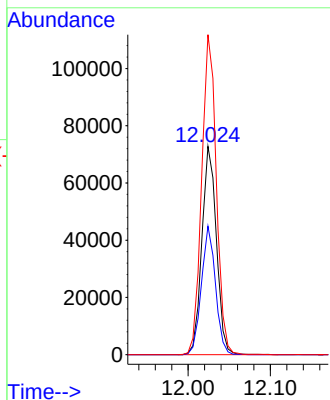
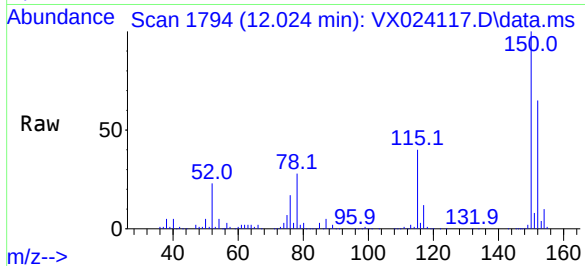




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

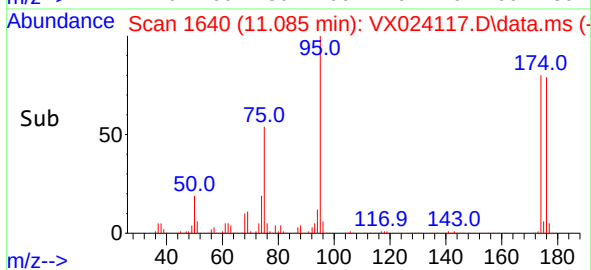
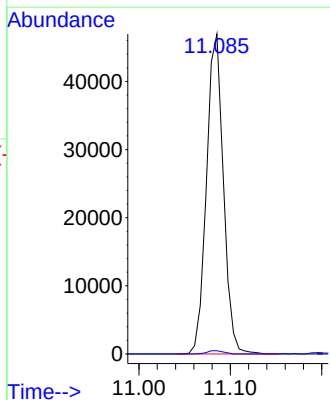
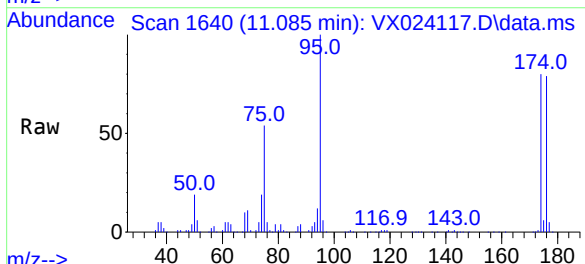
Instrument :
MSVOA_X
ClientSampleId :

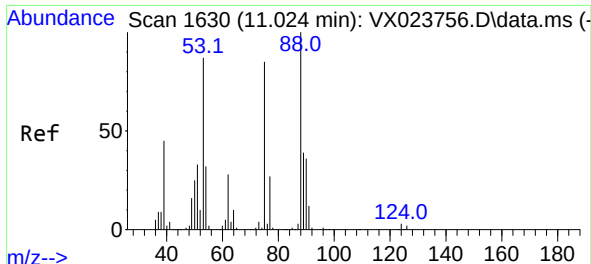
Tgt Ion:152 Resp: 89629
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 155.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.863 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 75 Resp: 60346
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

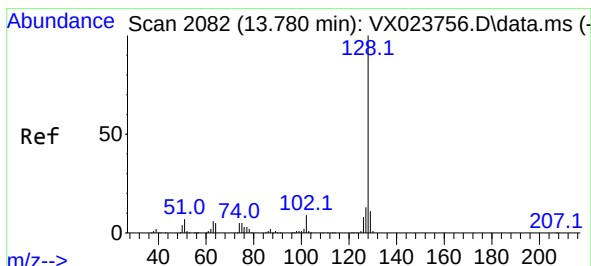
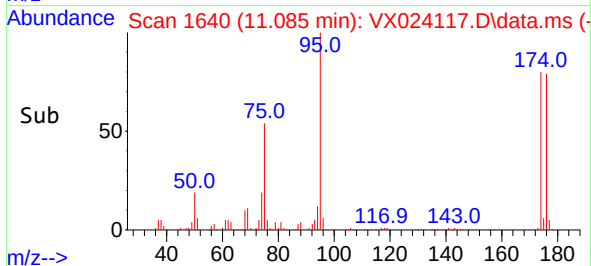
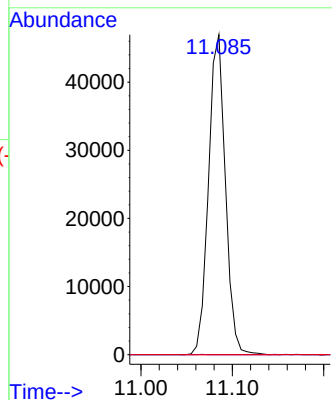
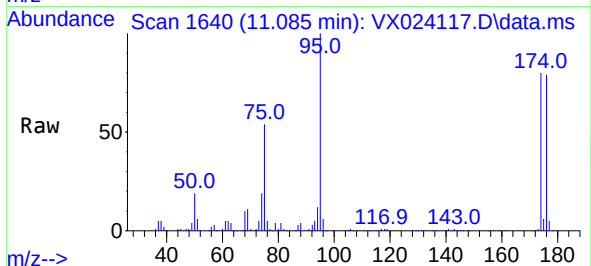




#81
trans-1,4-Dichloro-2-butene
Concen: 84.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 60346
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.361 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024117.D
Acq: 07 Sep 2021 14:22

Tgt Ion: 128 Resp: 530
Ion Ratio Lower Upper
128 100
127 5.7 10.3 15.5#
129 0.0 8.8 13.2#

