

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100621\
 Data File : VX024625.D
 Acq On : 06 Oct 2021 18:08
 Operator : JC/MD
 Sample : M4088-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 07 07:48:24 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)

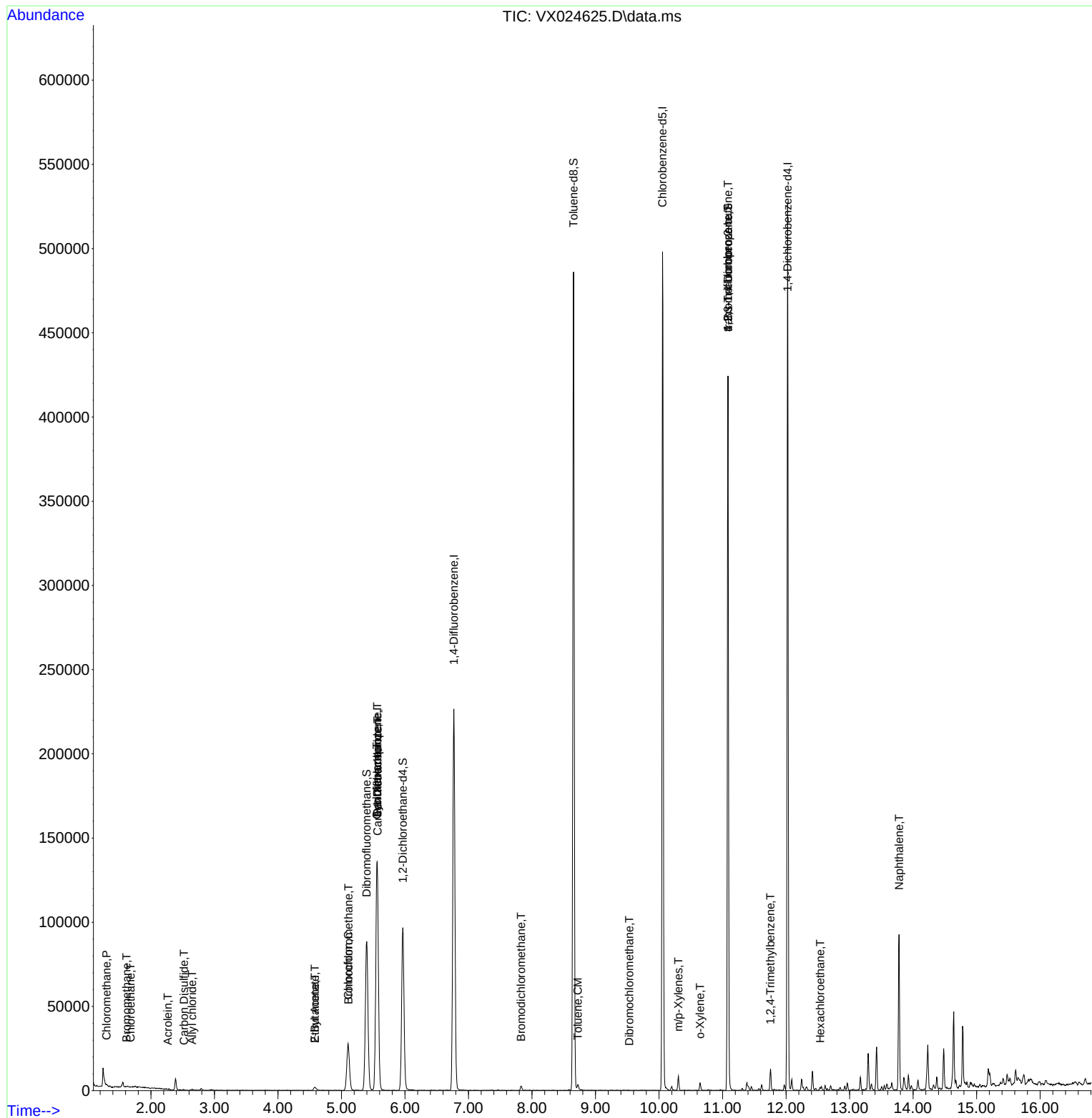
Internal Standards						
1) Pentafluorobenzene	5.562	168	127347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96995	54.04	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.08%			
35) Dibromofluoromethane	5.397	113	75786	51.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.72%			
50) Toluene-d8	8.653	98	277602	51.11	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.22%			
62) 4-Bromofluorobenzene	11.085	95	104696	49.03	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.06%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	248	0.21	ug/l #	42
5) Bromomethane	1.617	94	271	0.32	ug/l	90
6) Chloroethane	1.678	64	261	0.57	ug/l #	43
11) Tert butyl alcohol	2.983	59	148	Below Cal	#	73
13) Acrolein	2.264	56	21	10.27	ug/l #	14
14) Allyl chloride	2.648	41	534	0.25	ug/l #	41
16) Acetone	2.386	43	6369	Below Cal		91
17) Carbon Disulfide	2.520	76	588	0.42	ug/l #	75
20) Methylene Chloride	2.788	84	420	Below Cal	#	81
25) 2-Butanone	4.580	43	3387	2.74	ug/l	100
28) Bromochloromethane	5.111	49	2783	2.53	ug/l #	9
30) Chloroform	5.105	83	32880	12.30	ug/l	96
31) Cyclohexane	5.556	56	2702	1.26	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10261	4.82	ug/l #	50
37) Ethyl Acetate	4.580	43	3387	1.27	ug/l #	64
38) Carbon Tetrachloride	5.568	117	13214	5.70	ug/l #	16
47) Bromodichloromethane	7.830	83	1682	0.78	ug/l	96
52) Toluene	8.720	92	1249	0.32	ug/l	90
60) Dibromochloromethane	9.531	129	19	1.20	ug/l #	11
68) m/p-Xylenes	10.305	106	1865	0.60	ug/l	99
69) o-Xylene	10.646	106	1018	0.33	ug/l	78
76) 1,2,3-Trichloropropane	11.085	75	57169	25.38	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57169	69.18	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	5606	0.94	ug/l	96
90) Hexachloroethane	12.536	117	218	0.21	ug/l #	9
95) Naphthalene	13.780	128	57123	8.25	ug/l	99

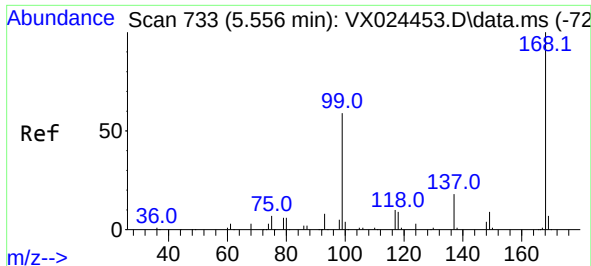
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

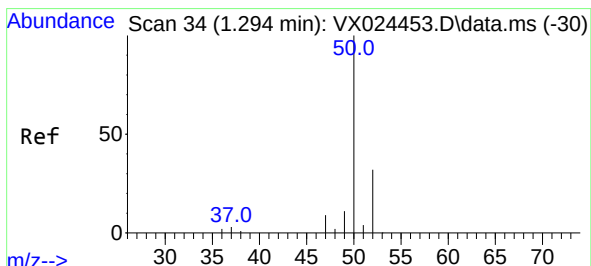
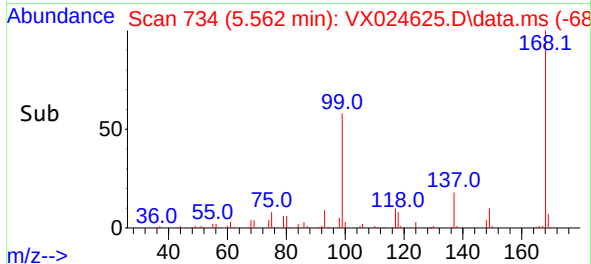
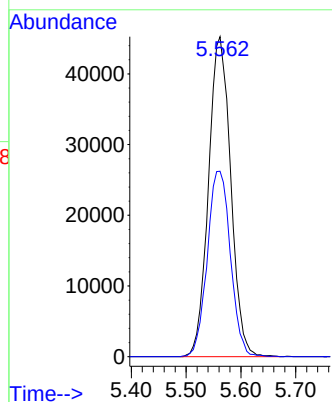
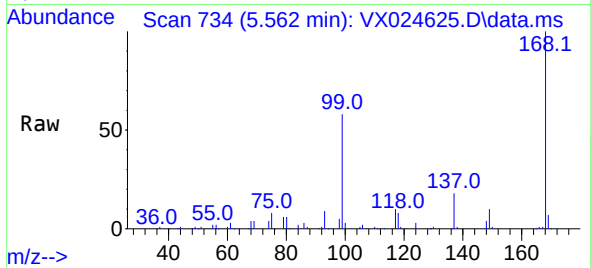




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

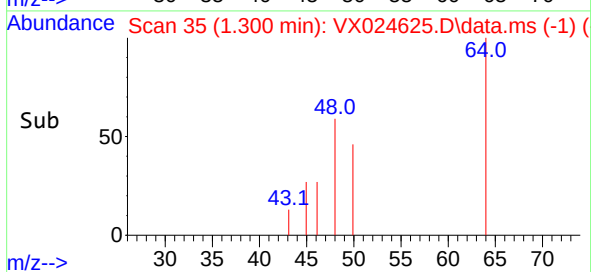
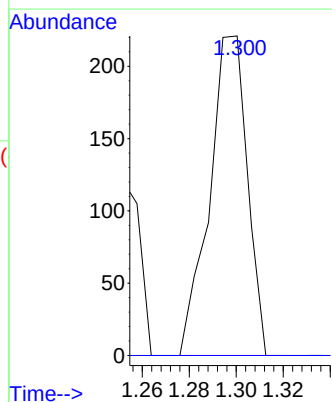
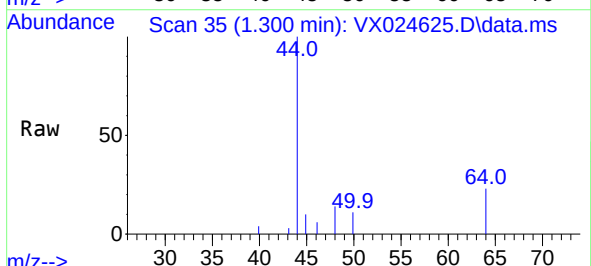
Instrument :
MSVOA_X
ClientSampled :

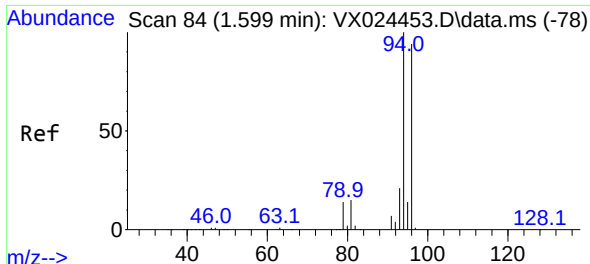
Tgt Ion:168 Resp: 127347
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#3
Chloromethane
Concen: 0.21 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

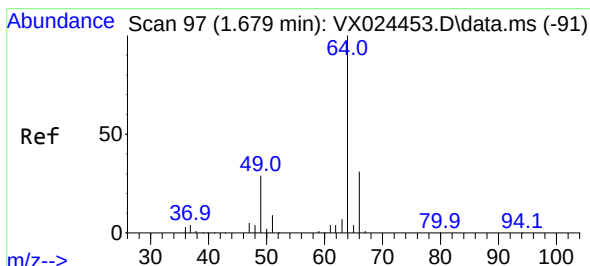
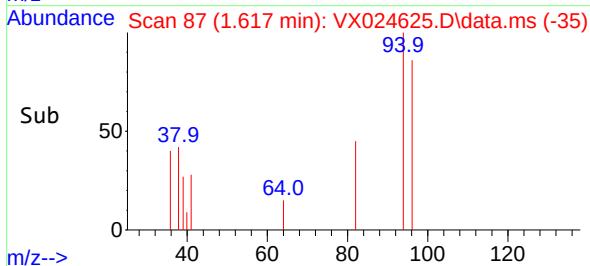
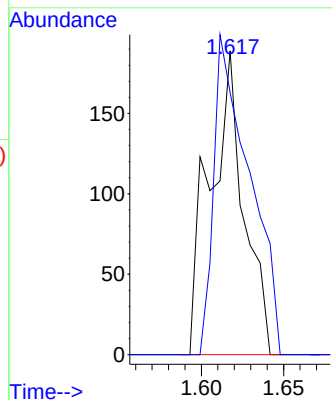
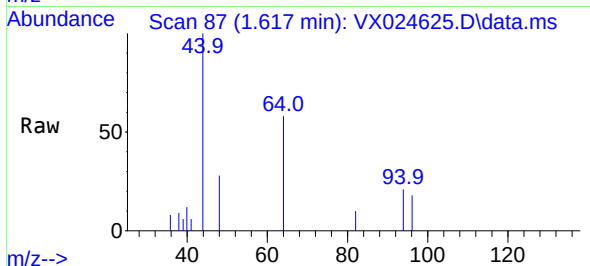




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

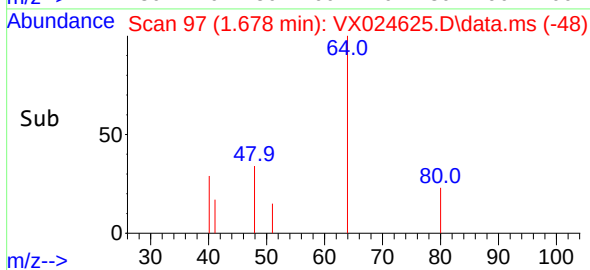
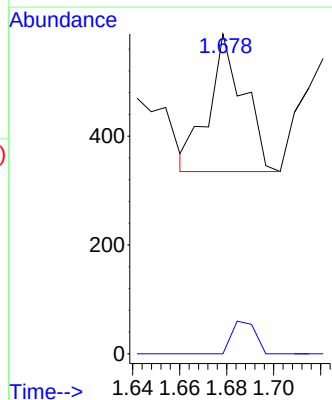
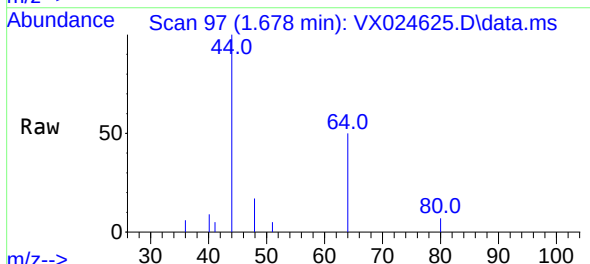
Instrument :
MSVOA_X
ClientSampled :

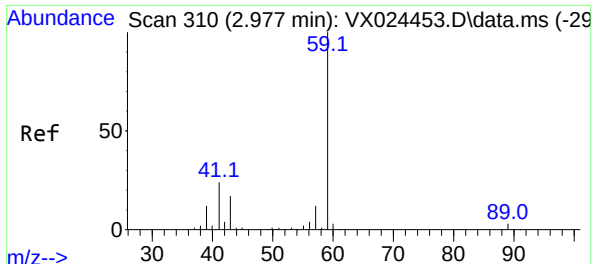
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 86.2 76.4 114.6



#6
Chloroethane
Concen: 0.57 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 64 Resp: 261
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



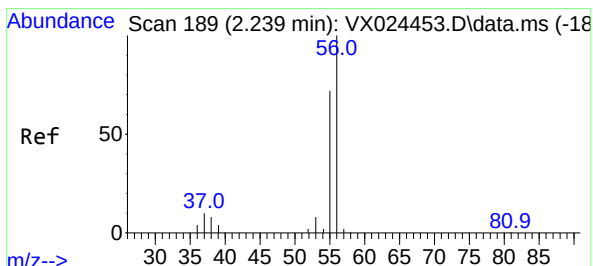
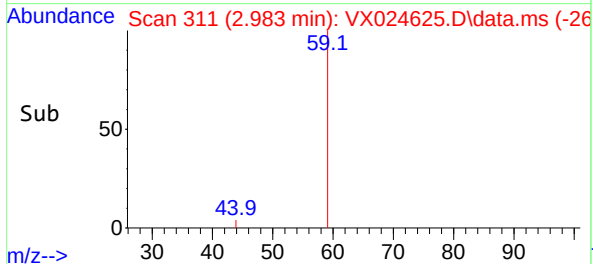
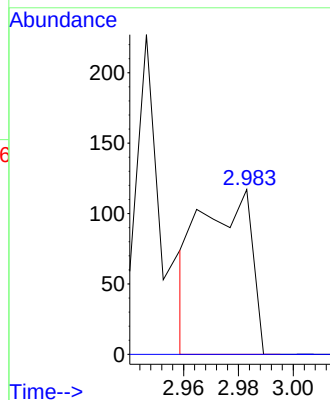
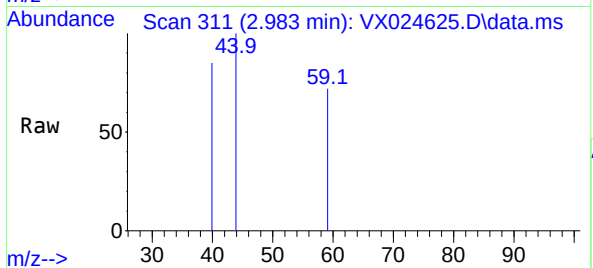


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :

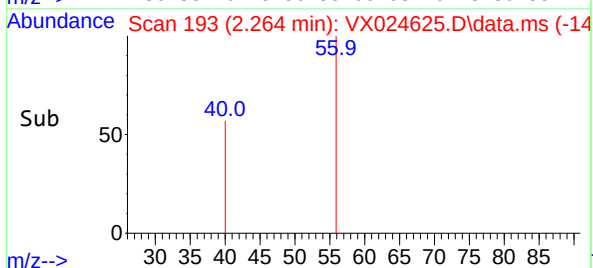
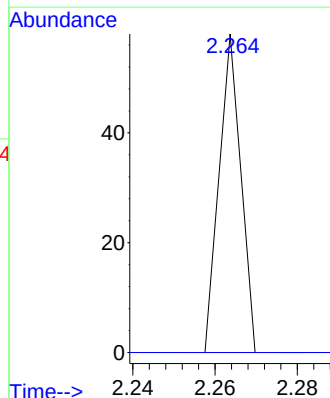
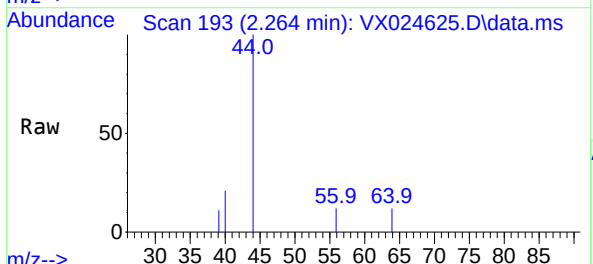
Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

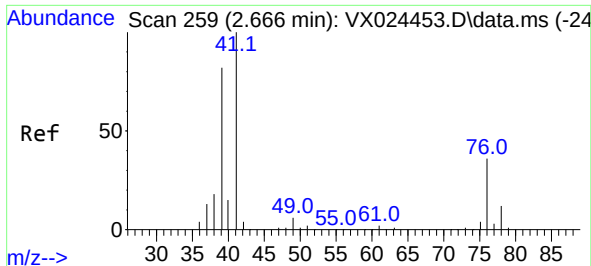


#13

Acrolein
Concen: 10.27 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.025 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

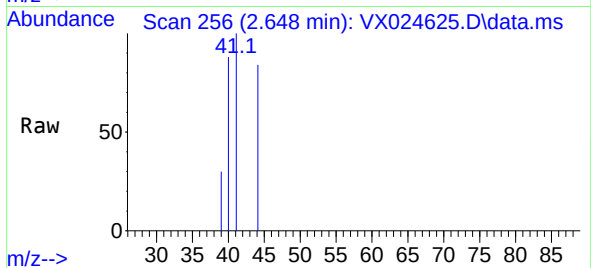
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



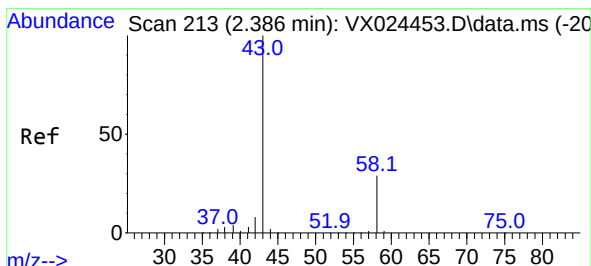
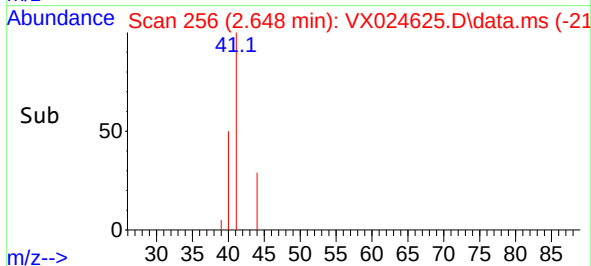
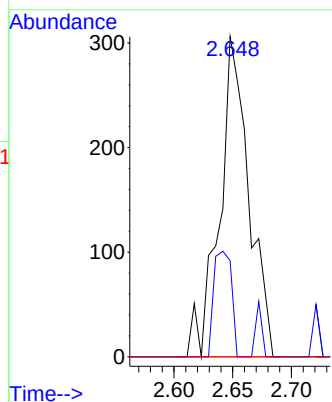


#14
Allyl chloride
Concen: 0.25 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :

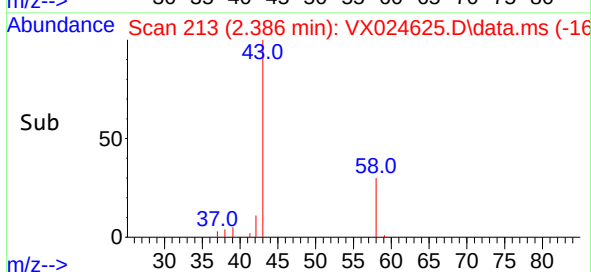
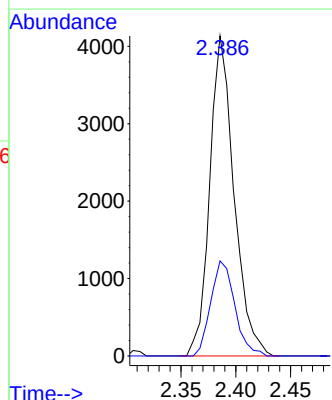
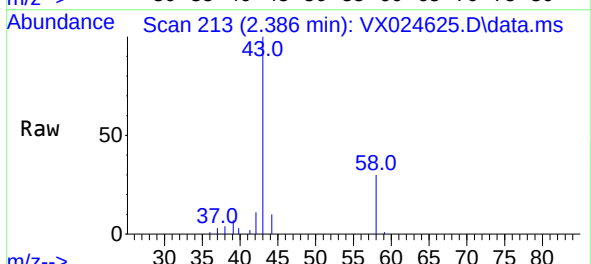


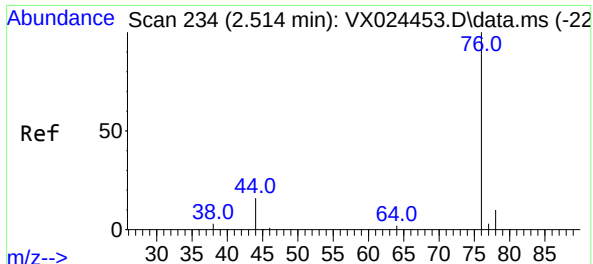
Tgt Ion: 41 Resp: 534
Ion Ratio Lower Upper
41 100
39 19.9 51.6 77.4#
76 0.0 30.5 45.7#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 43 Resp: 6369
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8

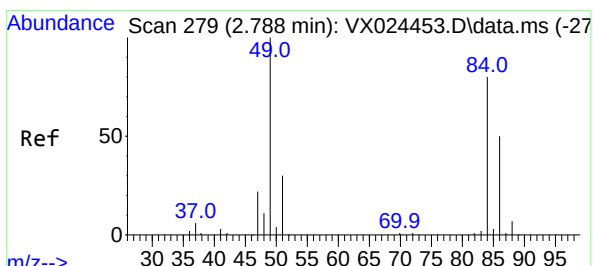
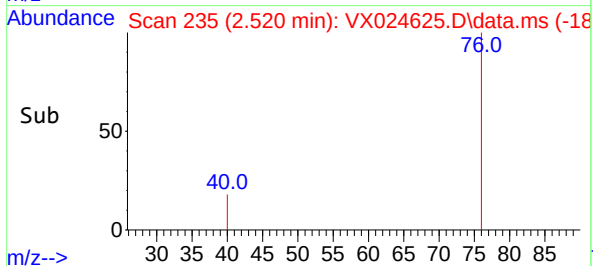
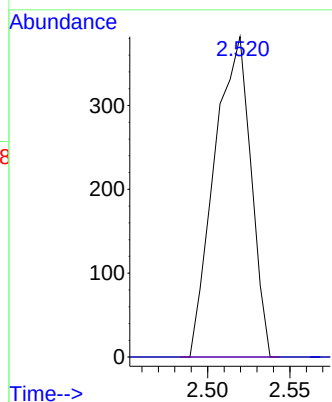
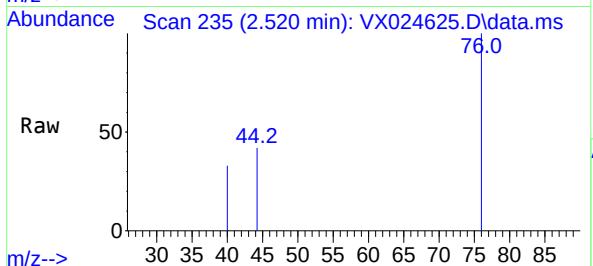




#17
Carbon Disulfide
Concen: 0.42 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

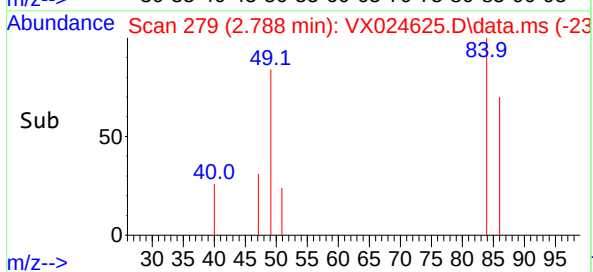
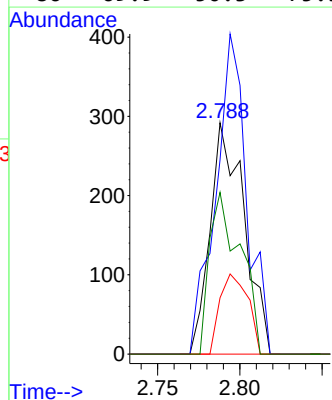
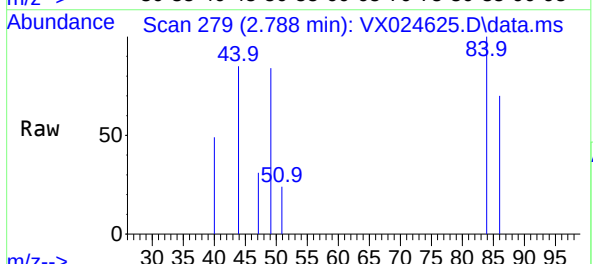
Instrument :
MSVOA_X
ClientSampled :

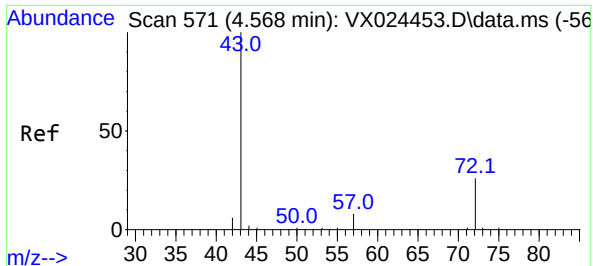
Tgt Ion: 76 Resp: 588
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 84 Resp: 420
Ion Ratio Lower Upper
84 100
49 83.9 88.6 132.8#
51 24.3 27.0 40.6#
86 69.9 50.3 75.5

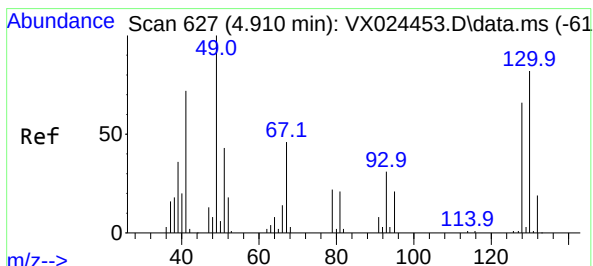
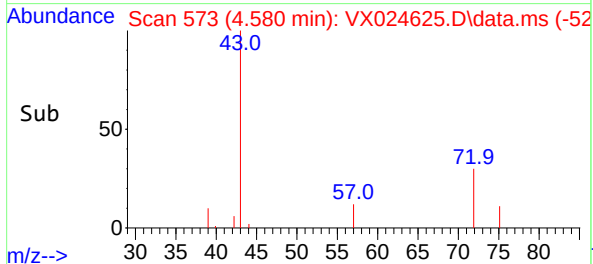
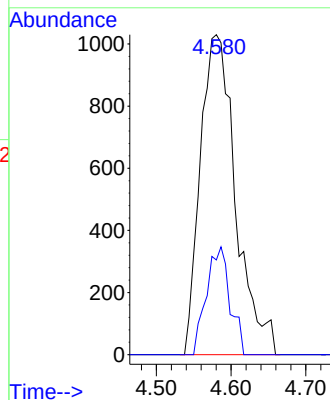
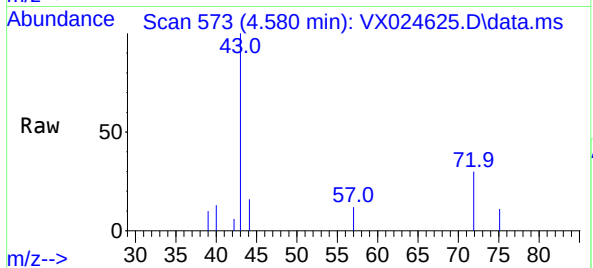




#25
2-Butanone
Concen: 2.74 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

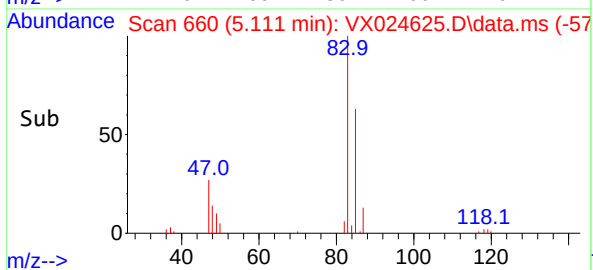
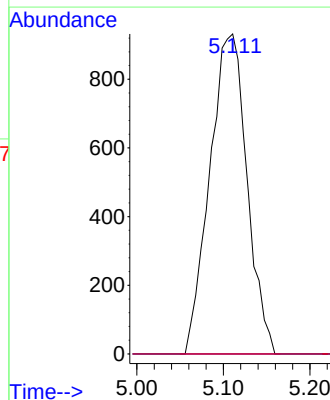
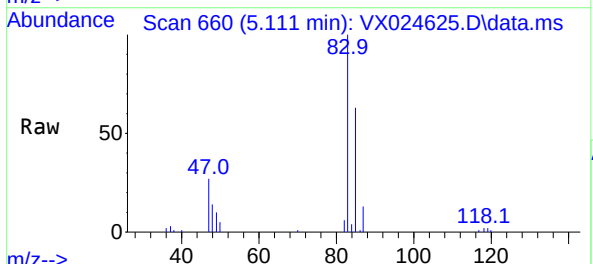
Instrument :
MSVOA_X
ClientSampled :

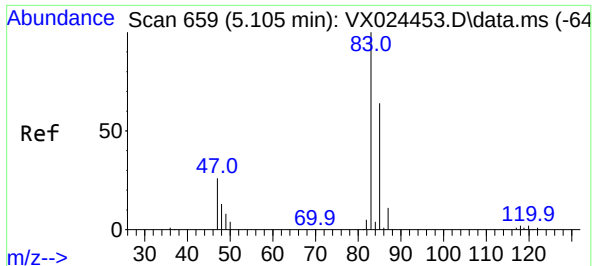
Tgt Ion: 43 Resp: 3387
Ion Ratio Lower Upper
43 100
72 29.6 23.7 35.5



#28
Bromochloromethane
Concen: 2.53 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 49 Resp: 2783
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#30

Chloroform

Concen: 12.30 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

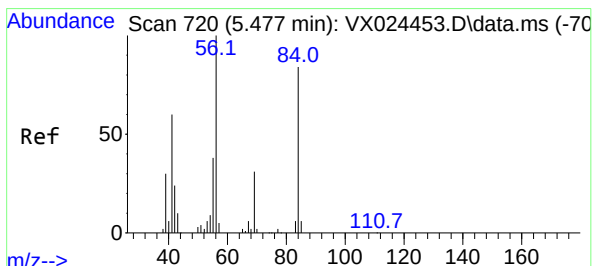
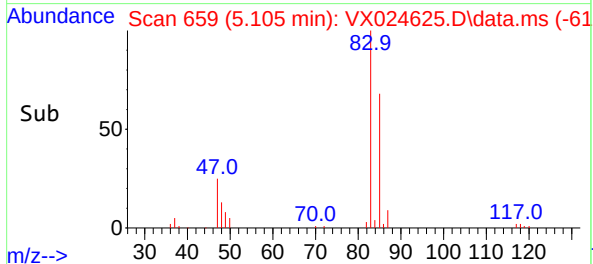
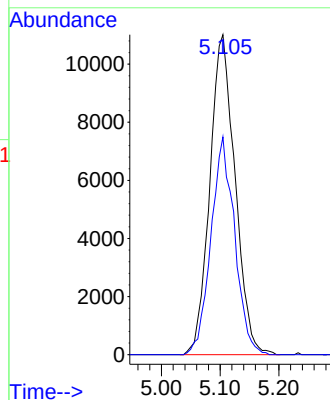
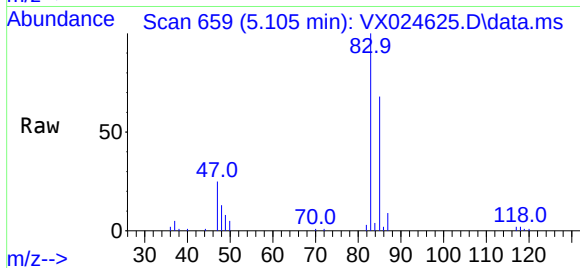
Lab File: VX024625.D

Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 83 Resp: 32880

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.0	78.0



#31

Cyclohexane

Concen: 1.26 ug/l

RT: 5.556 min Scan# 733

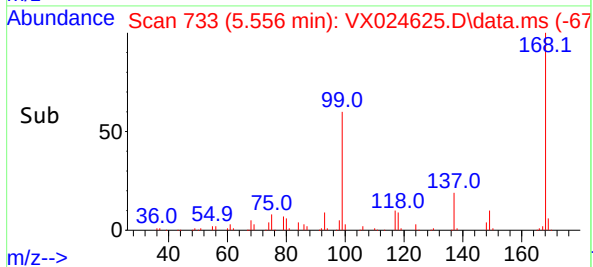
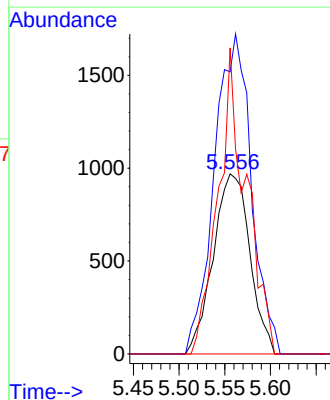
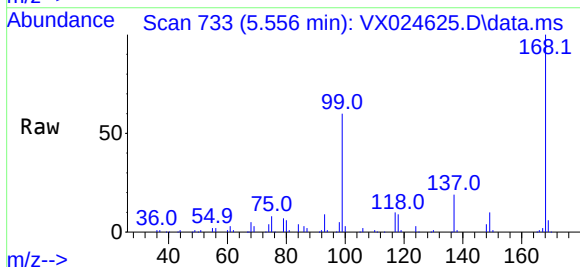
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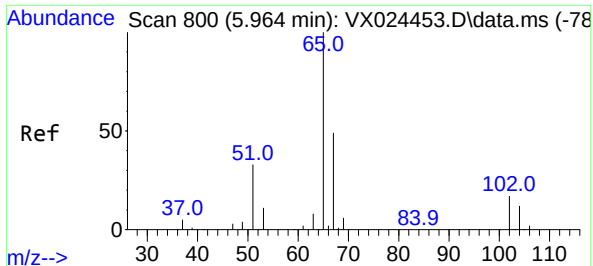
Lab File: VX024625.D

Acq: 06 Oct 2021 18:08

Tgt Ion: 56 Resp: 2702

Ion	Ratio	Lower	Upper
56	100		
69	156.6	25.3	37.9#
84	169.9	71.4	107.0#



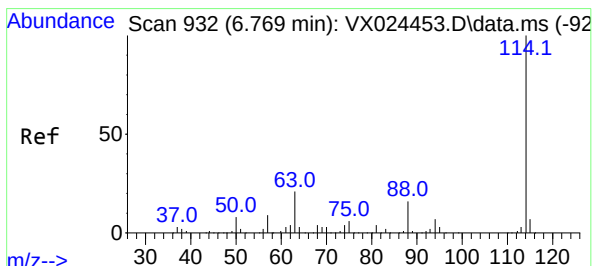
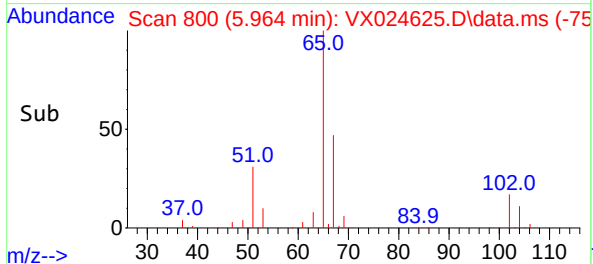
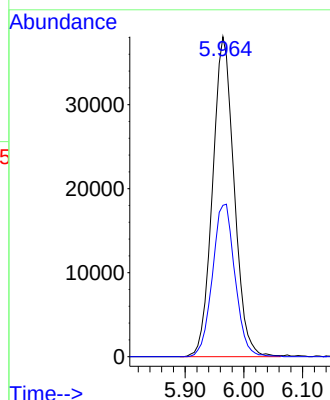
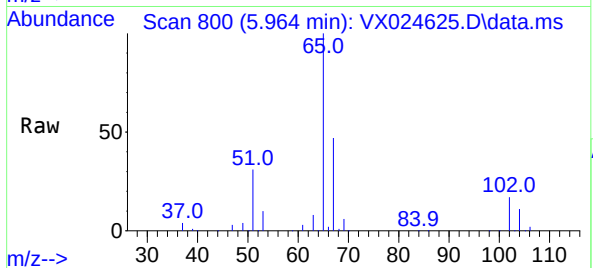


#33

1,2-Dichloroethane-d4
Concen: 54.04 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :

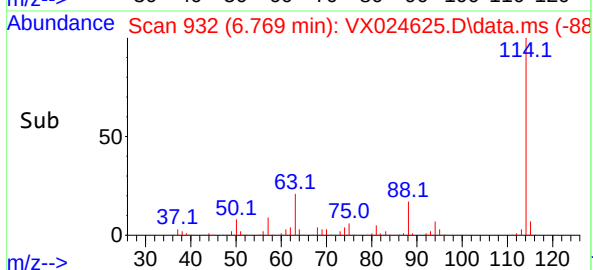
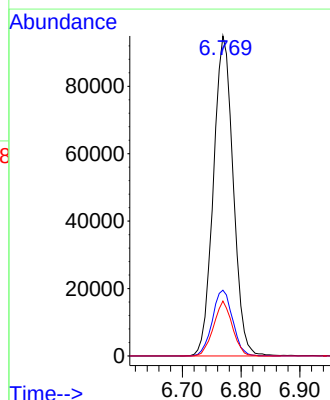
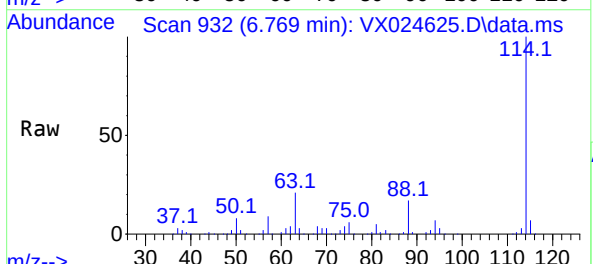
Tgt Ion: 65 Resp: 96995
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

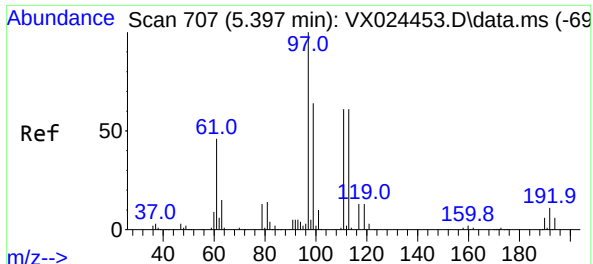


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 114 Resp: 222123
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 17.2 0.0 32.8

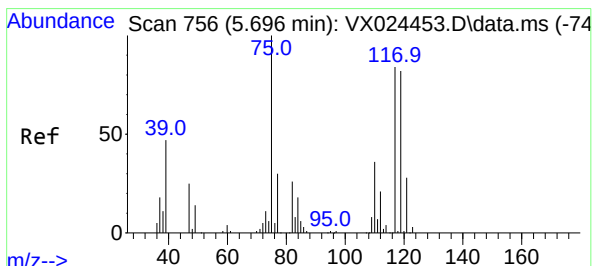
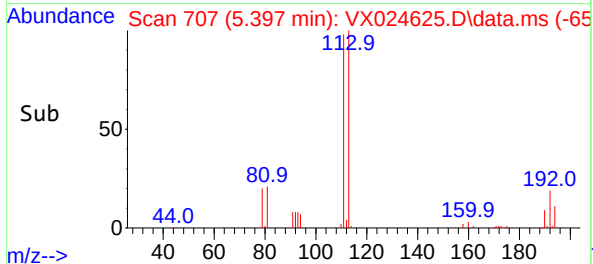
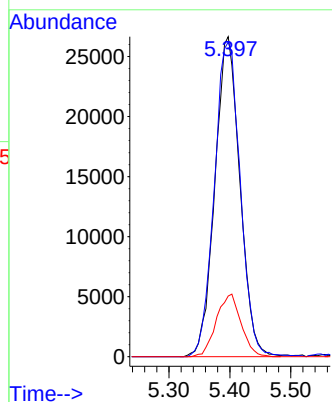
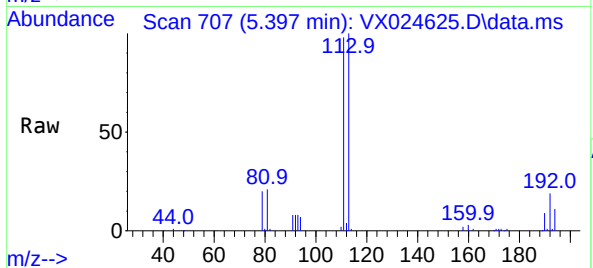




#35
Dibromofluoromethane
Concen: 51.36 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

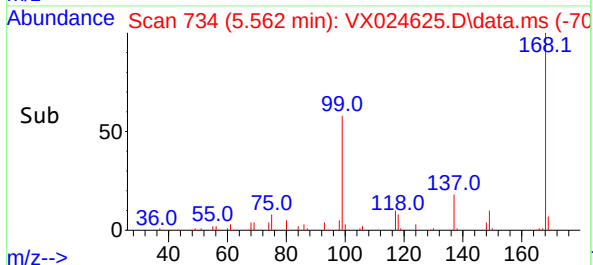
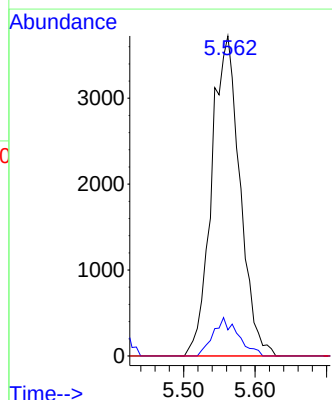
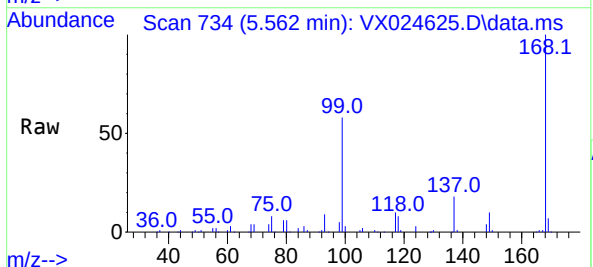
Instrument :
MSVOA_X
ClientSampleId :

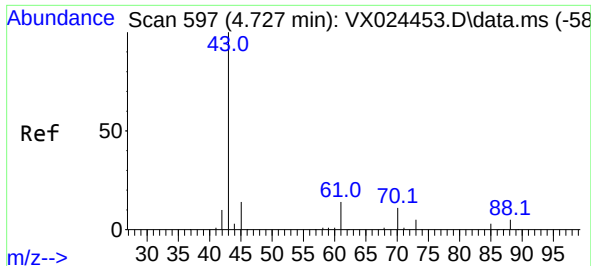
Tgt Ion:113 Resp: 75786
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 19.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 75 Resp: 10261
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.27 ug/l

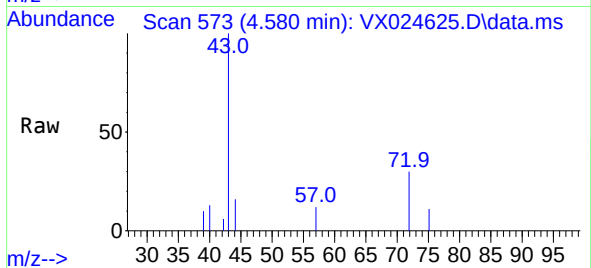
RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

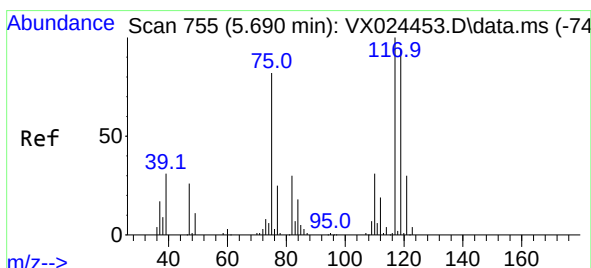
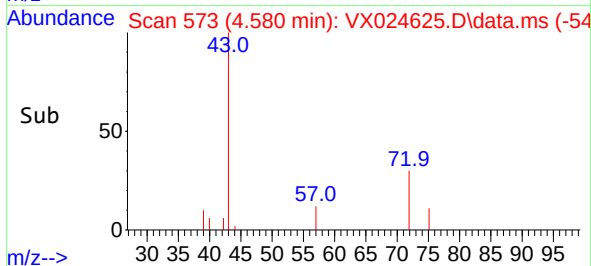
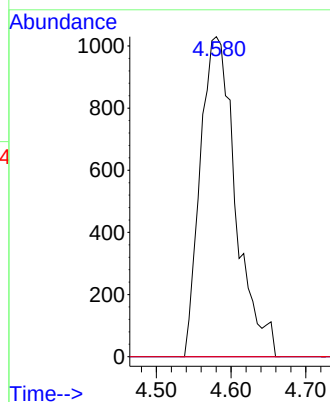
Lab File: VX024625.D

Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	43	Resp:	3387
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.70 ug/l

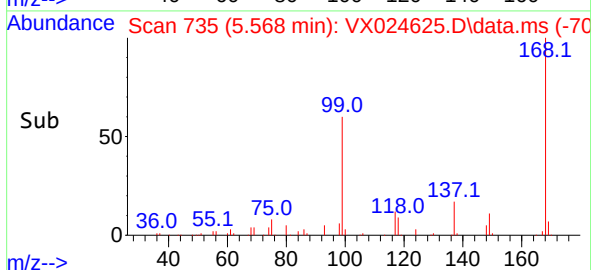
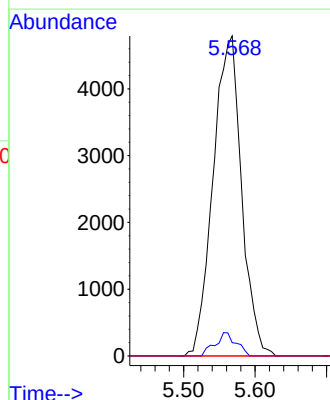
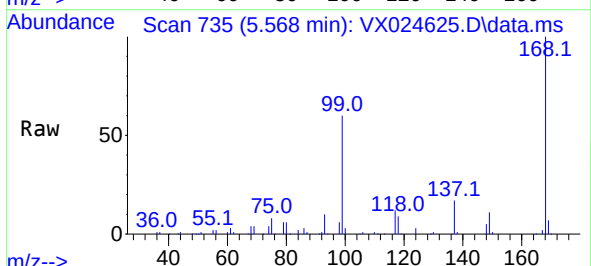
RT: 5.568 min Scan# 735

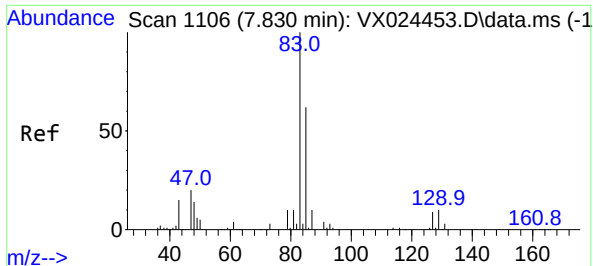
Delta R.T. -0.122 min

Lab File: VX024625.D

Acq: 06 Oct 2021 18:08

Tgt Ion:	117	Resp:	13214
Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.2	114.2#
121	0.0	24.8	37.2#

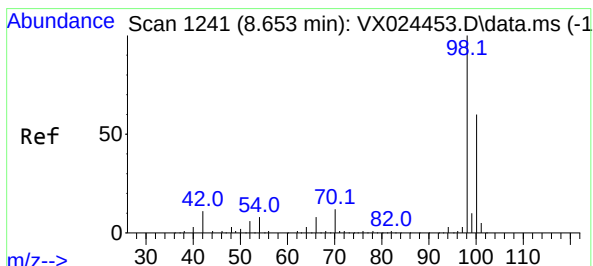
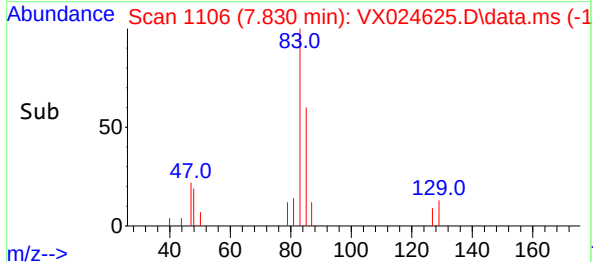
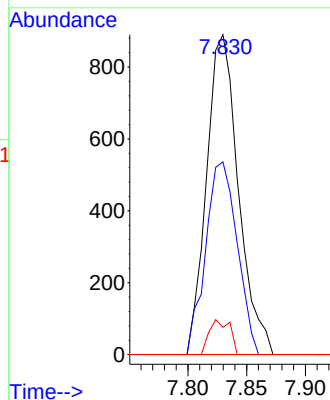
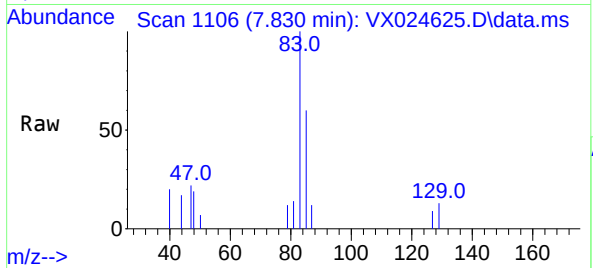




#47
Bromodichloromethane
Concen: 0.78 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

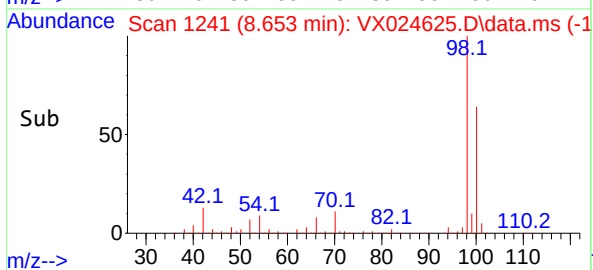
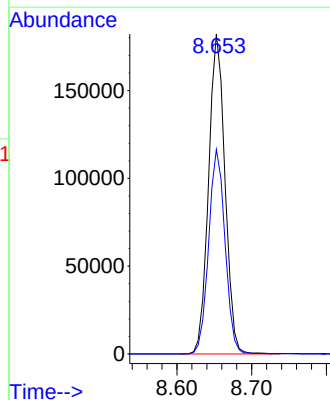
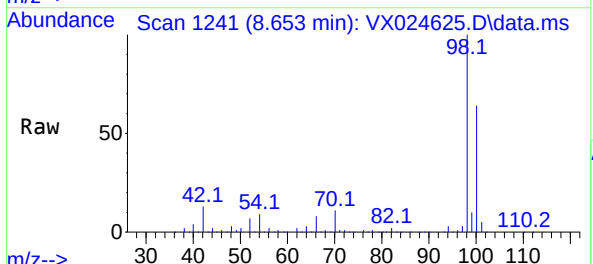
Instrument :
MSVOA_X
ClientSampled :

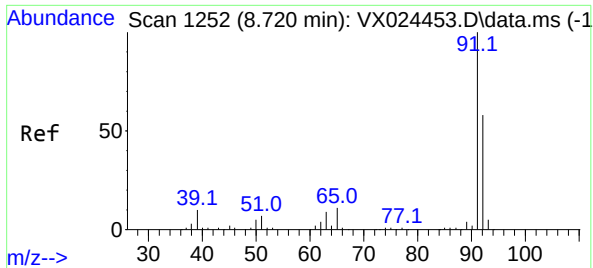
Tgt Ion: 83 Resp: 1682
Ion Ratio Lower Upper
83 100
85 60.2 51.4 77.0
127 8.5 6.8 10.2



#50
Toluene-d8
Concen: 51.11 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 98 Resp: 277602
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

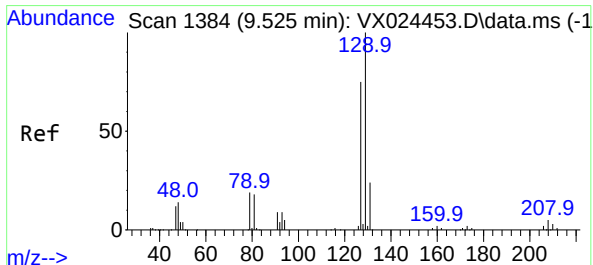
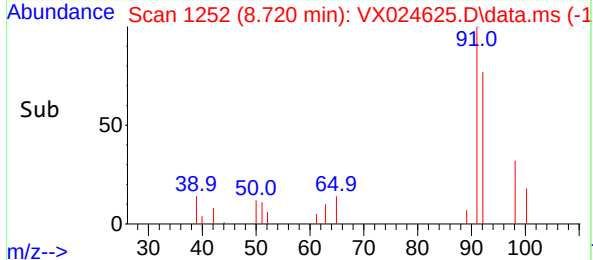
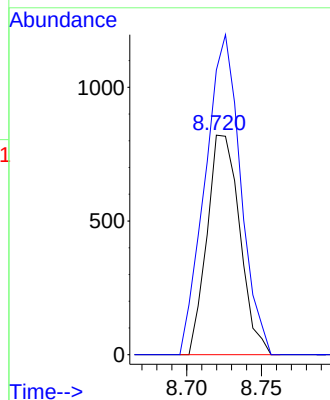
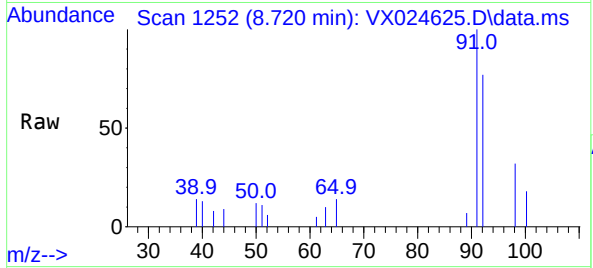




#52
Toluene
Concen: 0.32 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

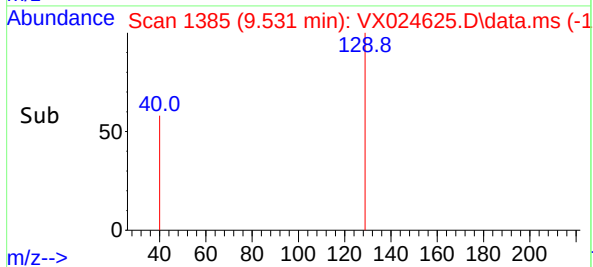
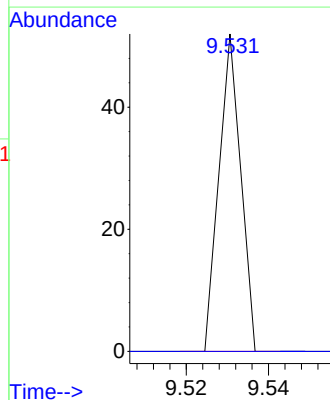
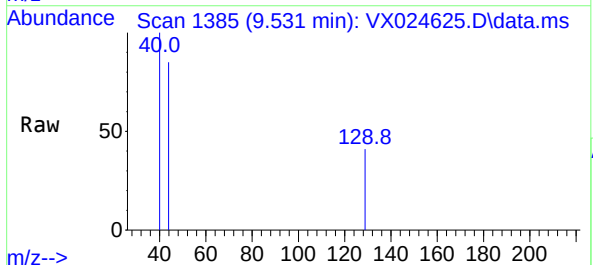
Instrument :
MSVOA_X
ClientSampled :

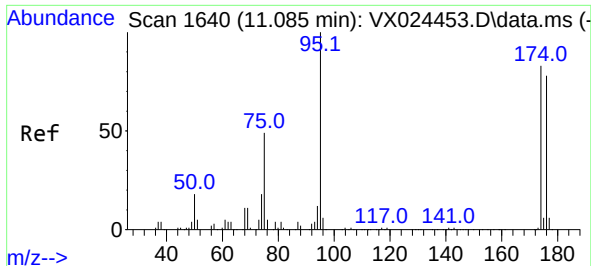
Tgt Ion: 92 Resp: 1249
Ion Ratio Lower Upper
92 100
91 158.0 137.1 205.7



#60
Dibromochloromethane
Concen: 1.20 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion:129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

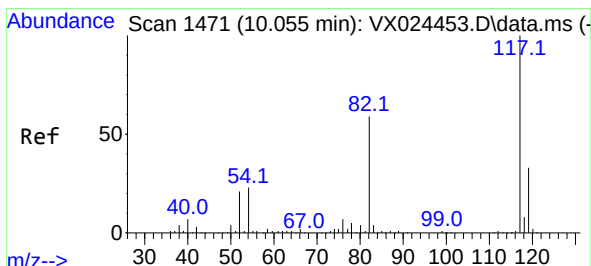
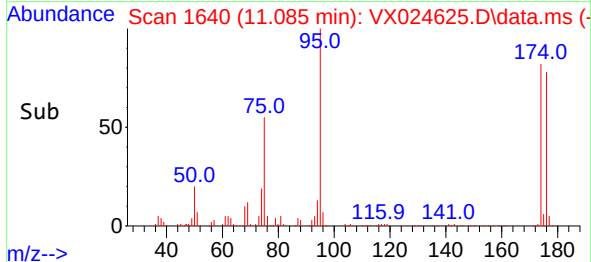
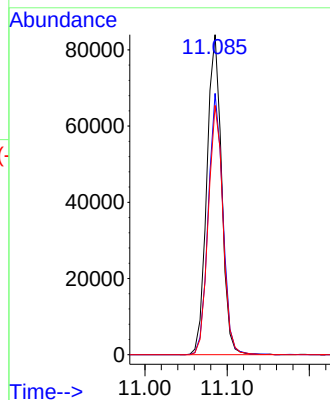
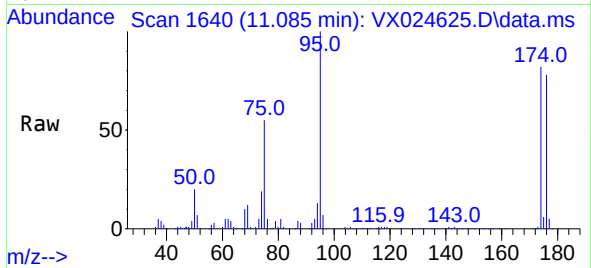




#62
4-Bromofluorobenzene
Concen: 49.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

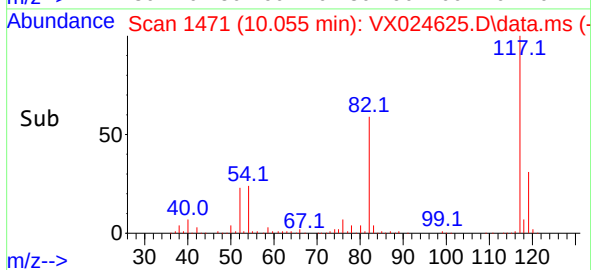
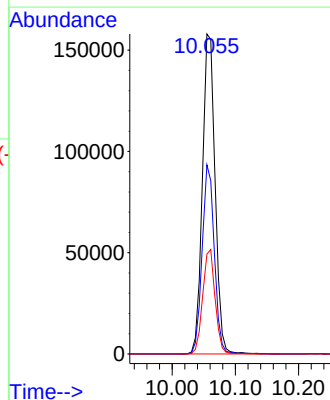
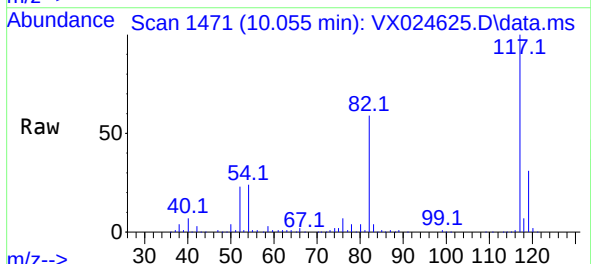
Instrument :
MSVOA_X
ClientSampleId :

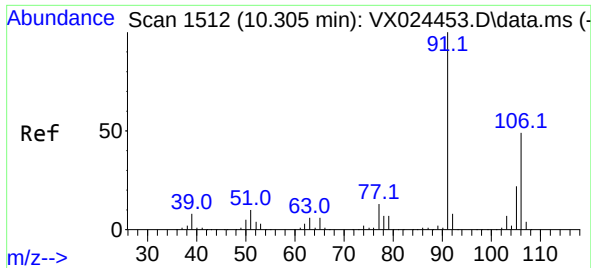
Tgt Ion: 95 Resp: 104696
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 117 Resp: 220958
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.2 26.6 39.8

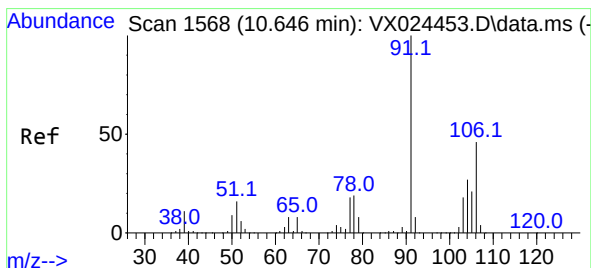
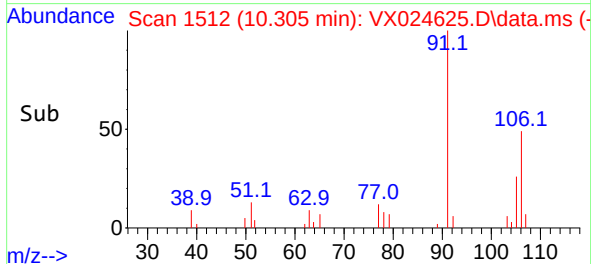
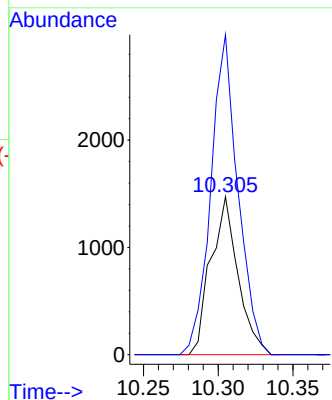
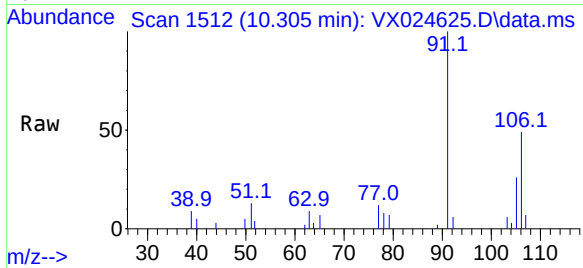




#68
m/p-Xylenes
Concen: 0.60 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

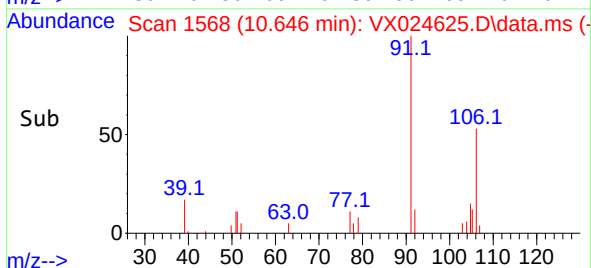
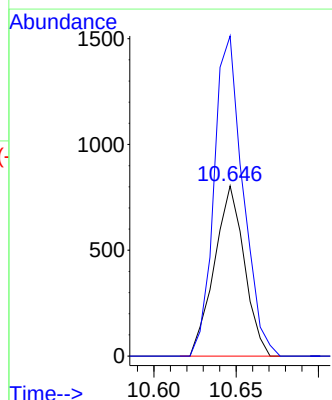
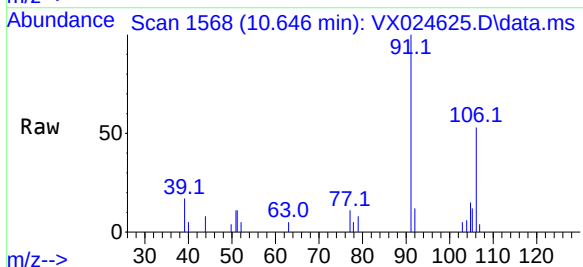
Instrument :
MSVOA_X
ClientSampled :

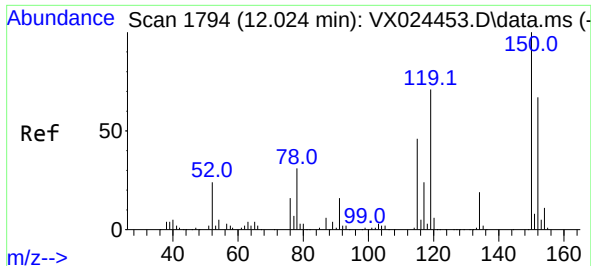
Tgt Ion:106 Resp: 1865
Ion Ratio Lower Upper
106 100
91 201.6 162.8 244.2



#69
o-Xylene
Concen: 0.33 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion:106 Resp: 1018
Ion Ratio Lower Upper
106 100
91 181.7 108.1 324.2

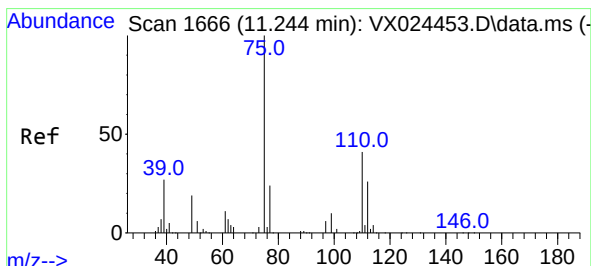
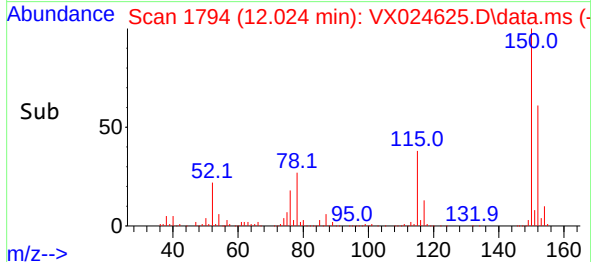
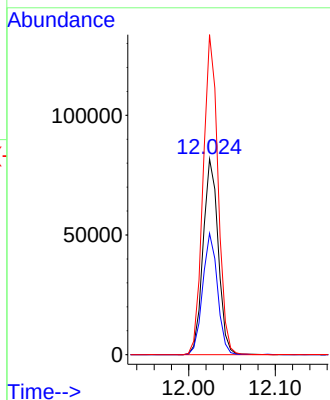
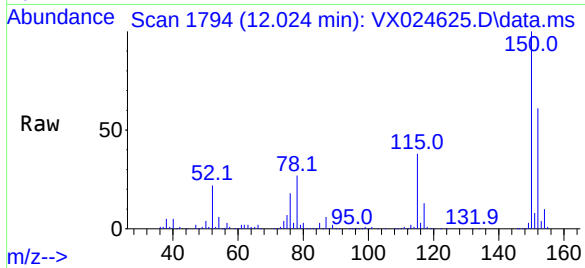




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

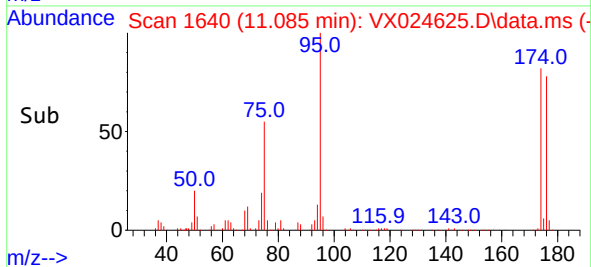
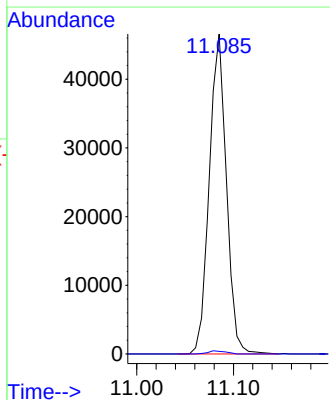
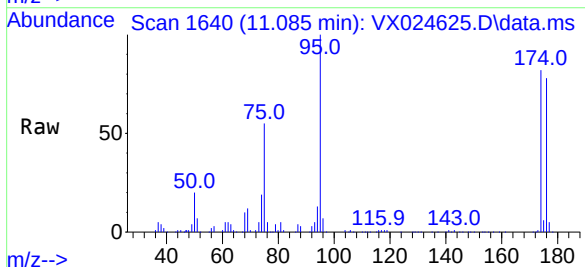
Instrument :
MSVOA_X
ClientSampled :

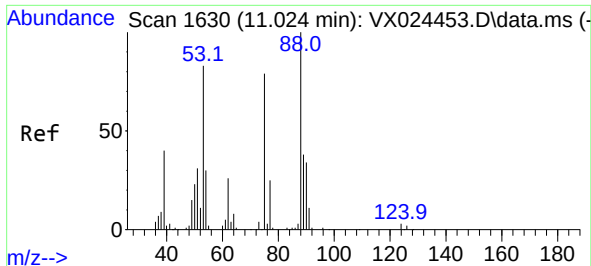
Tgt Ion:152 Resp: 99197
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 161.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.38 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 75 Resp: 57169
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

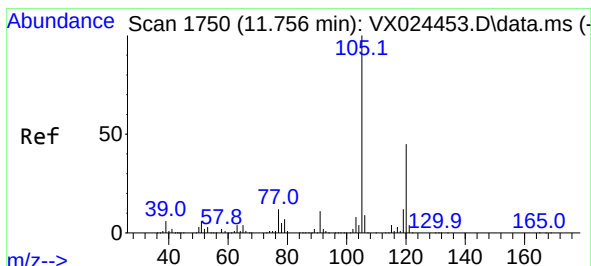
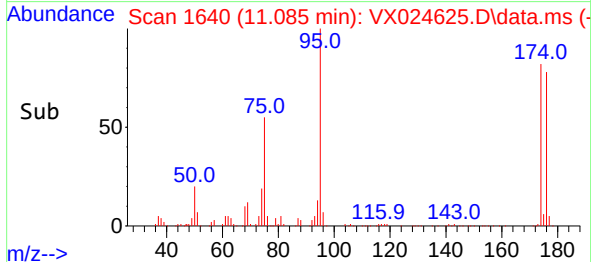
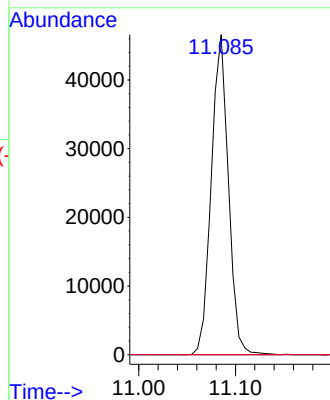
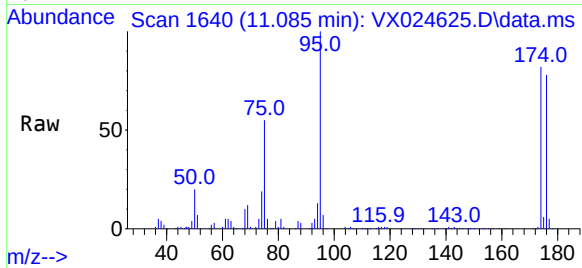




#81
trans-1,4-Dichloro-2-butene
Concen: 69.18 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

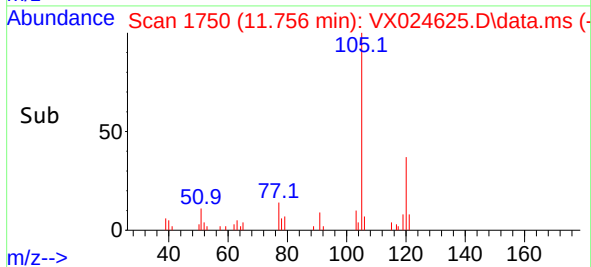
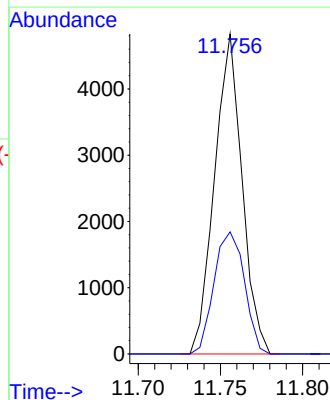
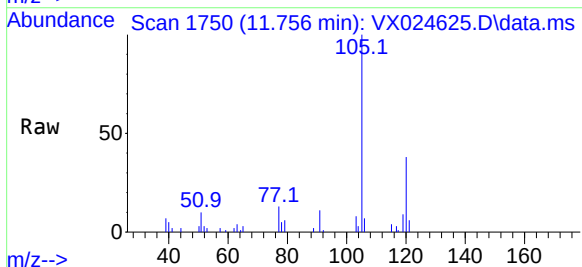
Instrument :
MSVOA_X
ClientSampled :

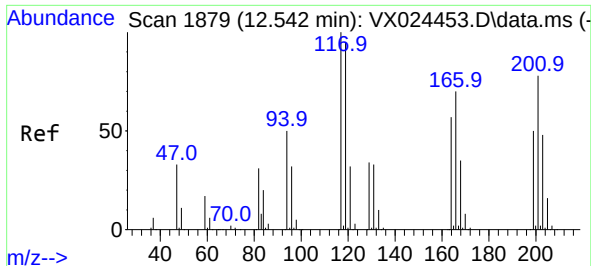
Tgt Ion: 75 Resp: 57169
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.94 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion: 105 Resp: 5606
Ion Ratio Lower Upper
105 100
120 42.2 22.4 67.3

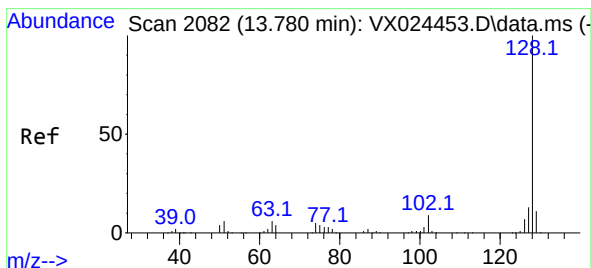
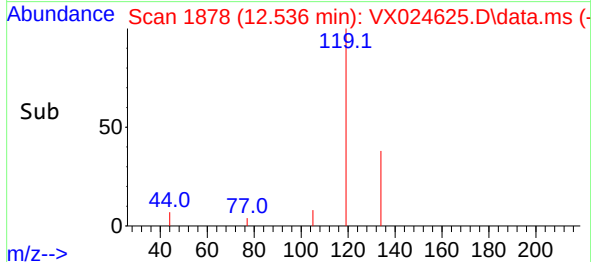
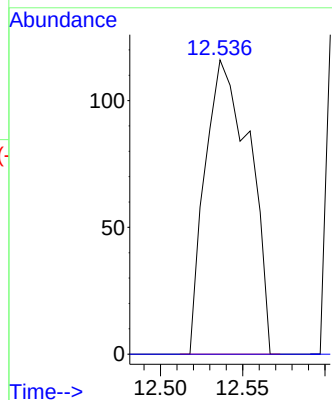
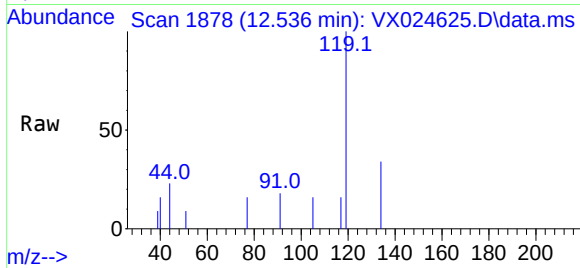




#90
Hexachloroethane
Concen: 0.21 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:117 Resp: 218
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 8.25 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024625.D
Acq: 06 Oct 2021 18:08

Tgt Ion:128 Resp: 57123
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.7 8.8 13.2

