

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023961.D
 Acq On : 26 Aug 2021 13:34
 Operator : JC/MD
 Sample : M3525-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 05:55:33 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)

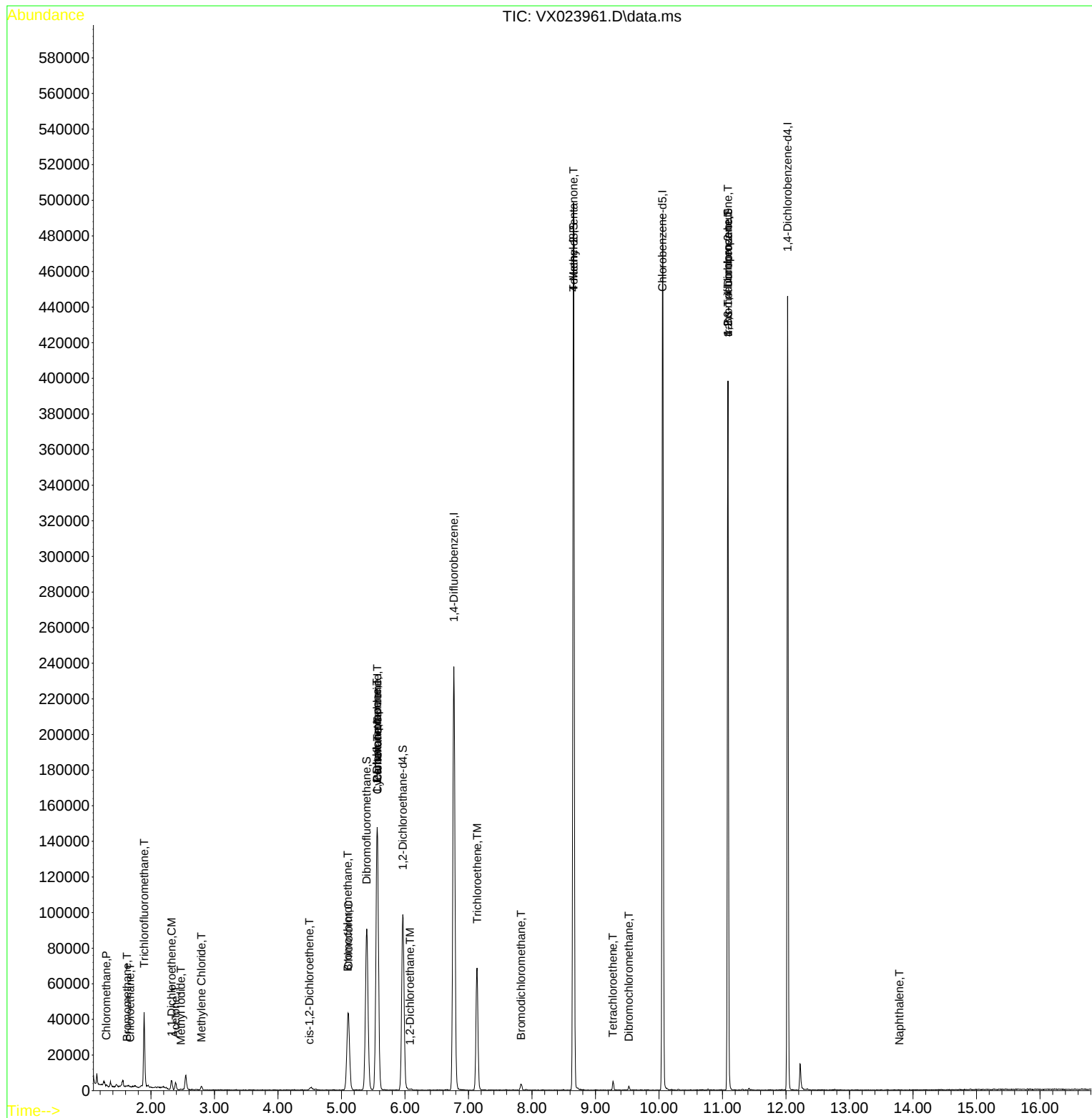
Internal Standards						
1) Pentafluorobenzene	5.562	168	135685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99301	52.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.880%			
35) Dibromofluoromethane	5.397	113	76386	49.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	8.653	98	278212	47.028	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.060%			
62) 4-Bromofluorobenzene	11.085	95	95416	43.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.620%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	478	0.304	ug/l	96
5) Bromomethane	1.624	94	500	0.519	ug/l	87
6) Chloroethane	1.673	64	25	2.236	ug/l #	43
7) Trichlorofluoromethane	1.892	101	24988	10.324	ug/l	97
10) Methyl Iodide	2.471	142	432	0.228	ug/l	95
12) 1,1-Dichloroethene	2.325	96	1531	1.176	ug/l	87
16) Acetone	2.386	43	4117	4.862	ug/l #	88
20) Methylene Chloride	2.794	84	844	0.522	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	390	0.236	ug/l	81
28) Bromochloromethane	5.099	49	4447	3.677	ug/l #	9
30) Chloroform	5.111	83	51076	18.134	ug/l	93
31) Cyclohexane	5.568	56	3286	1.351	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10726	4.932	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14601	6.438	ug/l #	16
42) 1,2-Dichloroethane	6.080	62	715	0.283	ug/l #	73
44) Trichloroethene	7.135	130	25589	14.405	ug/l	100
47) Bromodichloromethane	7.830	83	2457	1.143	ug/l #	96
51) 4-Methyl-2-Pentanone	8.653	43	1521	0.563	ug/l #	1
60) Dibromochloromethane	9.525	129	599	1.993	ug/l	81
64) Tetrachloroethene	9.275	164	737	0.428	ug/l #	81
76) 1,2,3-Trichloropropane	11.085	75	53884	25.875	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53884	76.112	ug/l #	12
95) Naphthalene	13.786	128	162	1.307	ug/l #	69

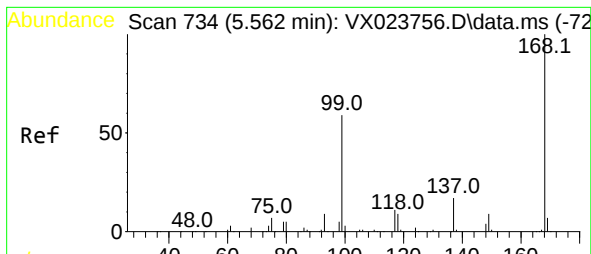
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 27 05:55:33 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX023961.D

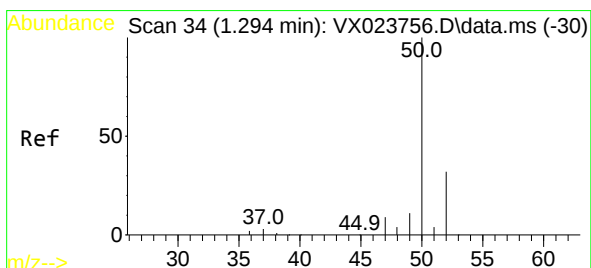
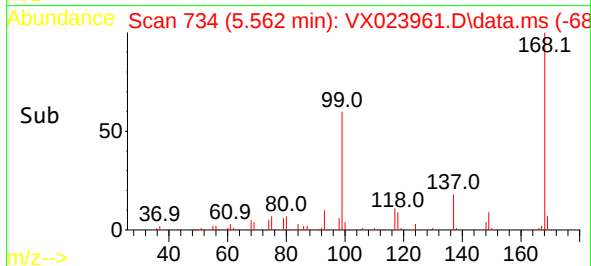
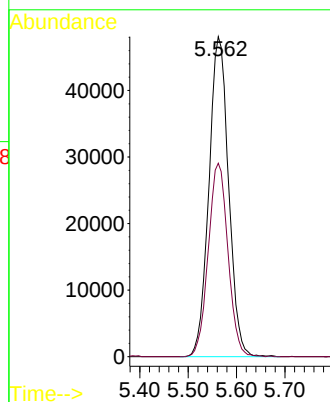
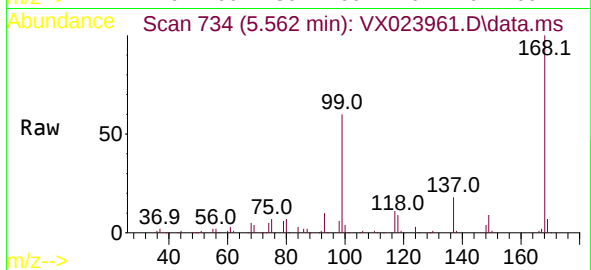
Acq: 26 Aug 2021 13:34

Tgt Ion:168 Resp: 135685

Ion Ratio Lower Upper

168 100

99 60.4 45.8 68.6



#3

Chloromethane

Concen: 0.304 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.001 min

Lab File: VX023961.D

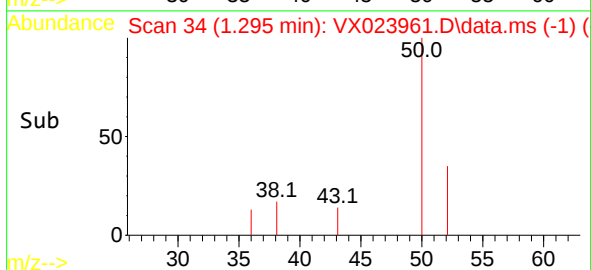
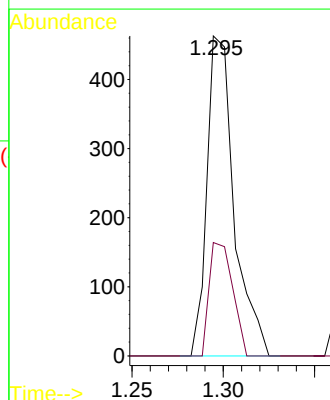
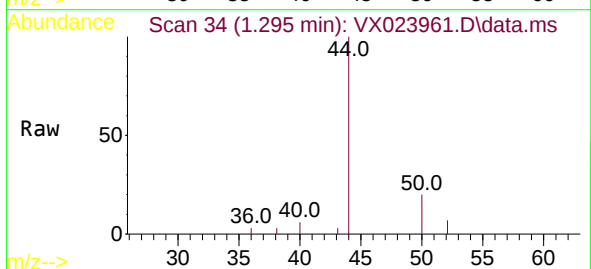
Acq: 26 Aug 2021 13:34

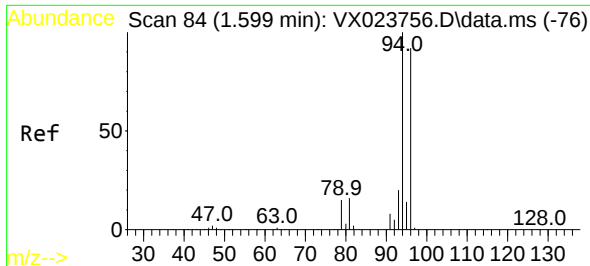
Tgt Ion: 50 Resp: 478

Ion Ratio Lower Upper

50 100

52 35.4 26.4 39.6

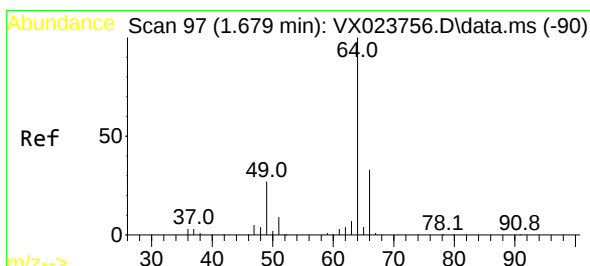
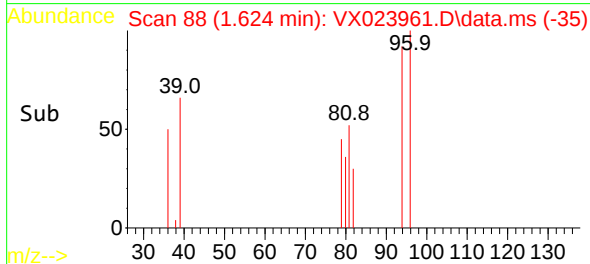
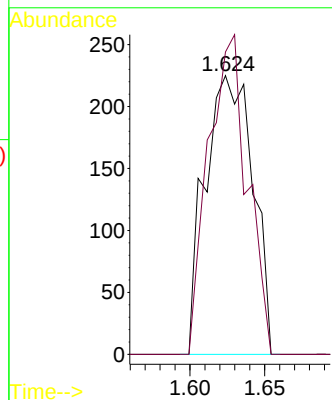
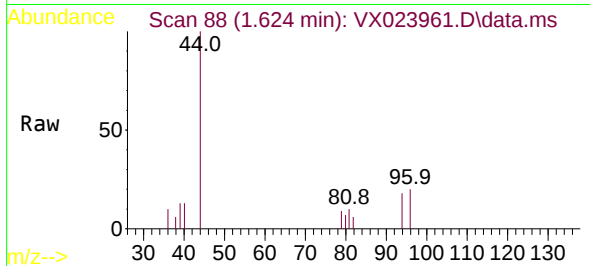




#5
Bromomethane
Concen: 0.519 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

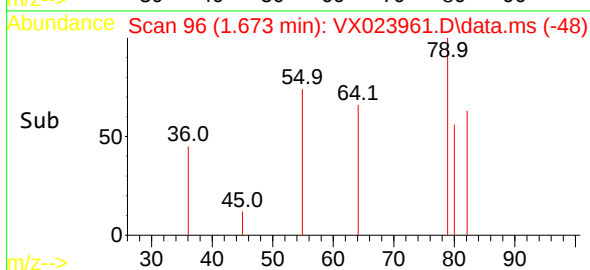
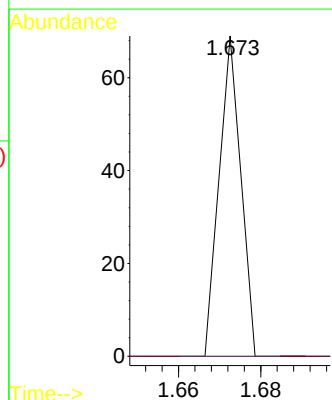
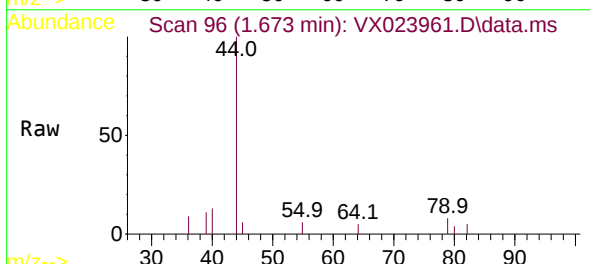
Instrument :
MSVOA_X
ClientSampled :

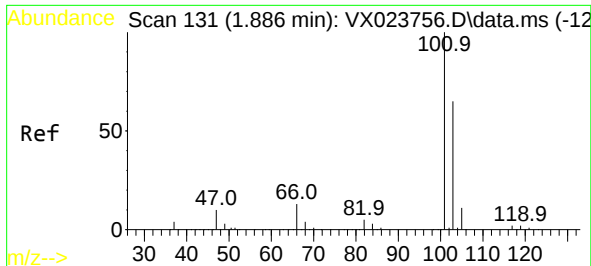
Tgt Ion: 94 Resp: 500
Ion Ratio Lower Upper
94 100
96 108.4 76.4 114.6



#6
Chloroethane
Concen: 2.236 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

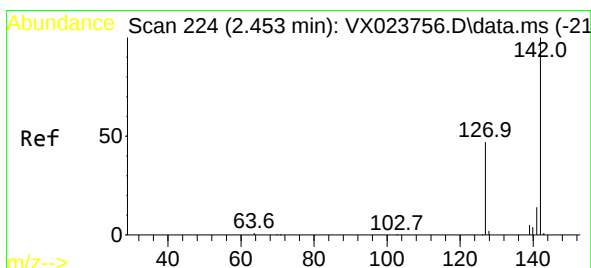
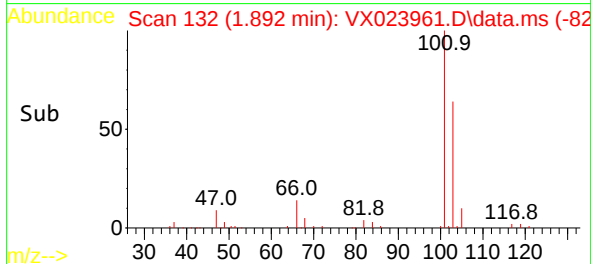
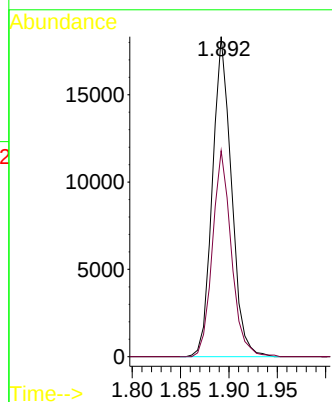
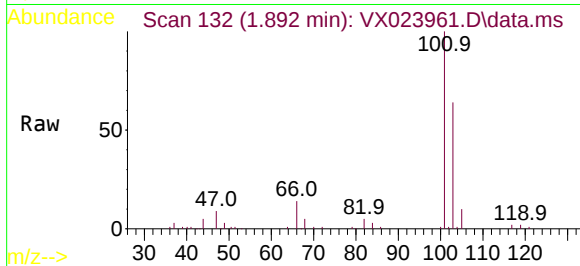




#7
 Trichlorofluoromethane
 Concen: 10.324 ug/l
 RT: 1.892 min Scan# 132
 Delta R.T. 0.006 min
 Lab File: VX023961.D
 Acq: 26 Aug 2021 13:34

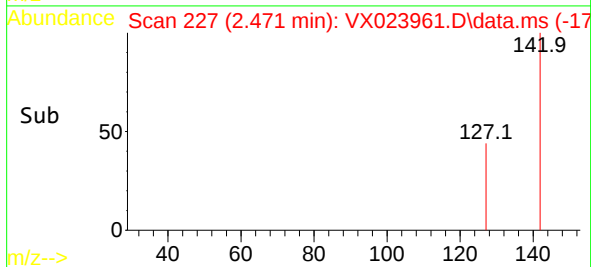
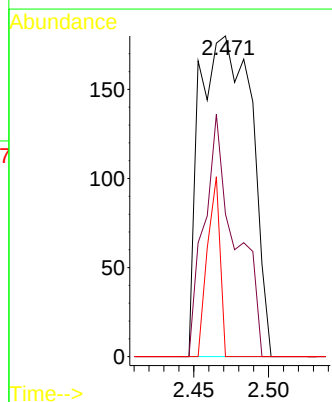
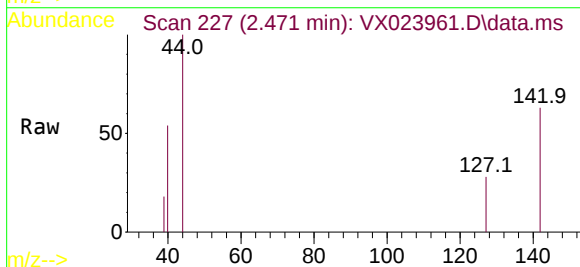
Instrument :
 MSVOA_X
 ClientSampleId :

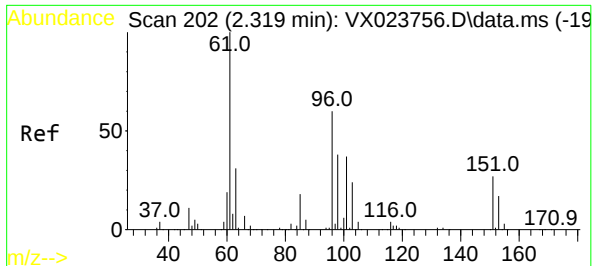
Tgt Ion:101 Resp: 24988
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.2 79.8



#10
 Methyl Iodide
 Concen: 0.228 ug/l
 RT: 2.471 min Scan# 227
 Delta R.T. 0.018 min
 Lab File: VX023961.D
 Acq: 26 Aug 2021 13:34

Tgt Ion:142 Resp: 432
 Ion Ratio Lower Upper
 142 100
 127 45.8 33.3 49.9
 141 13.7 11.4 17.0





#12

1,1-Dichloroethene

Concen: 1.176 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

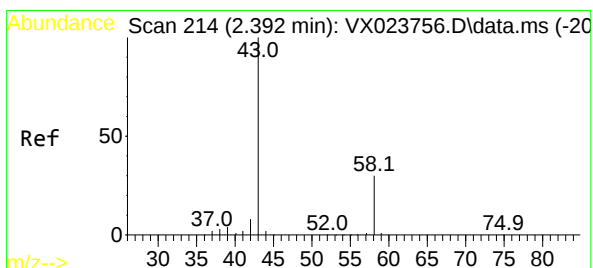
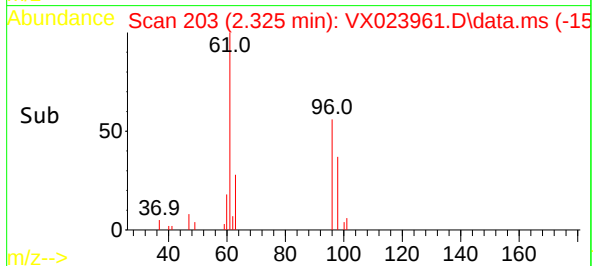
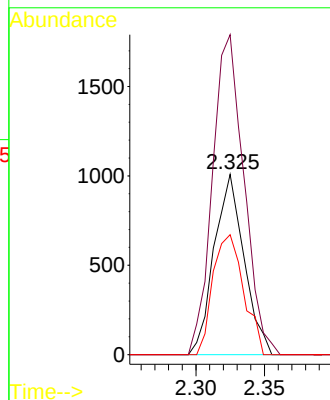
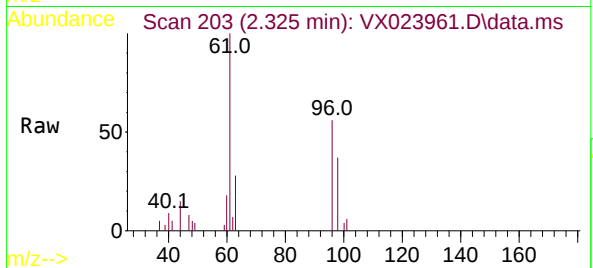
Tgt Ion: 96 Resp: 1531

Ion Ratio Lower Upper

96 100

61 177.4 124.6 187.0

98 66.5 50.6 76.0



#16

Acetone

Concen: 4.862 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX023961.D

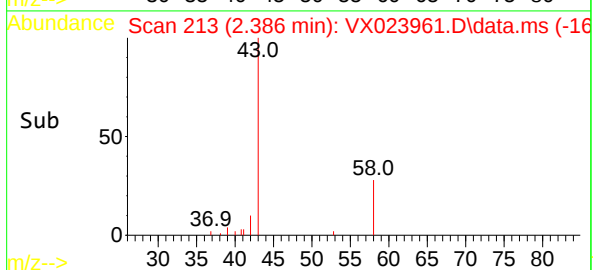
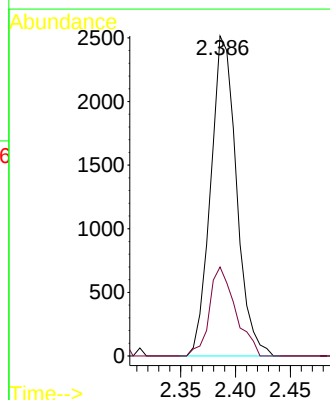
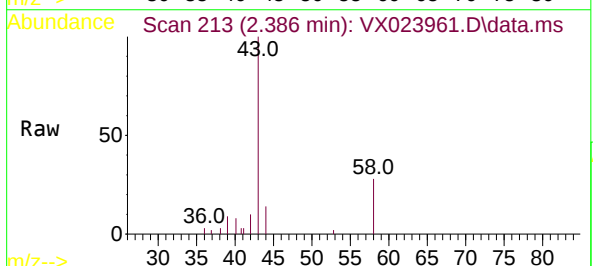
Acq: 26 Aug 2021 13:34

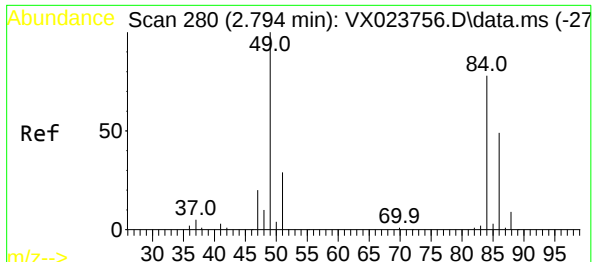
Tgt Ion: 43 Resp: 4117

Ion Ratio Lower Upper

43 100

58 27.8 27.8 41.8#





#20

Methylene Chloride

Concen: 0.522 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

Tgt Ion: 84 Resp: 844

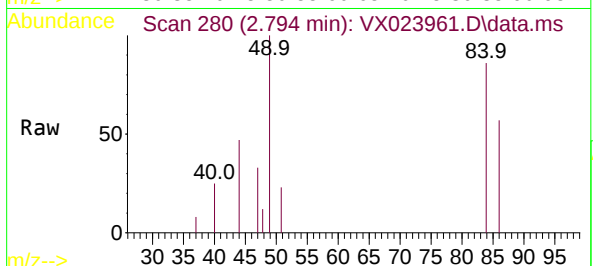
Ion Ratio Lower Upper

84 100

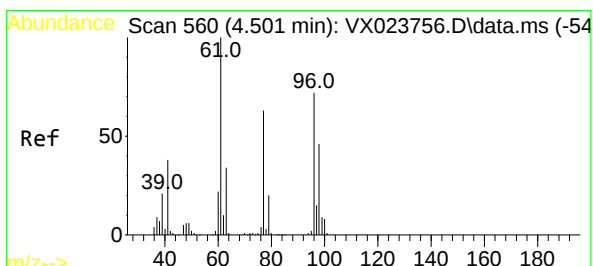
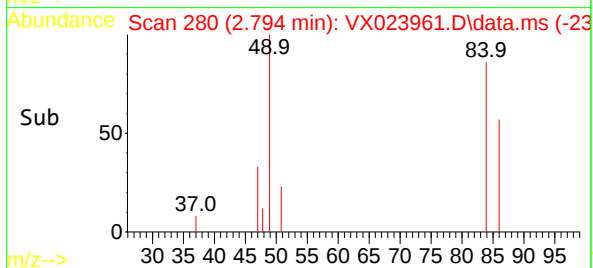
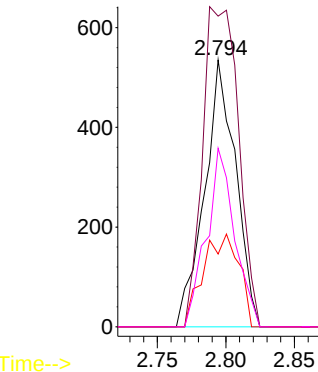
49 116.4 88.6 132.8

51 27.3 27.0 40.6

86 66.9 50.3 75.5



Abundance



#27

cis-1,2-Dichloroethene

Concen: 0.236 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.006 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

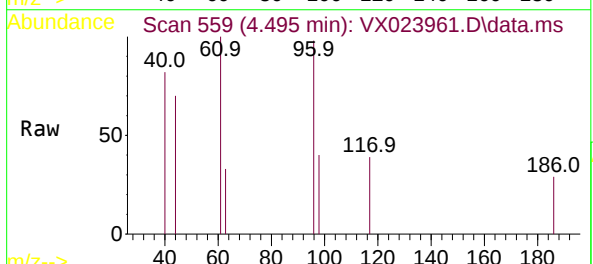
Tgt Ion: 96 Resp: 390

Ion Ratio Lower Upper

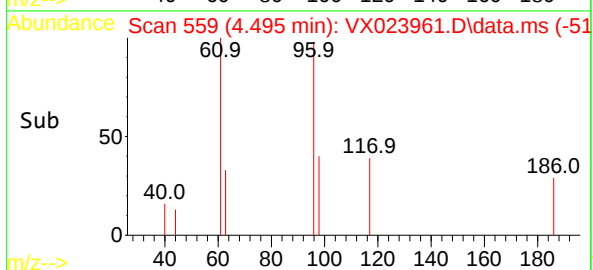
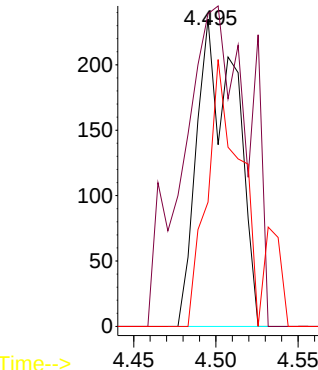
96 100

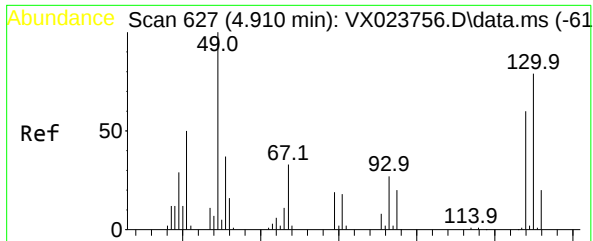
61 172.6 0.0 285.6

98 71.5 0.0 129.6



Abundance

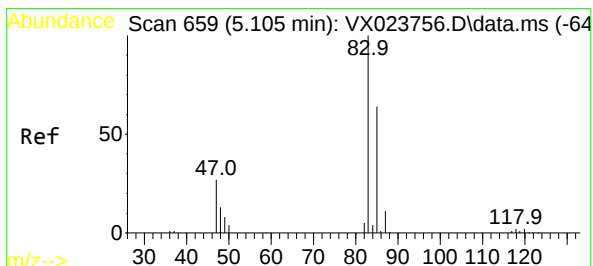
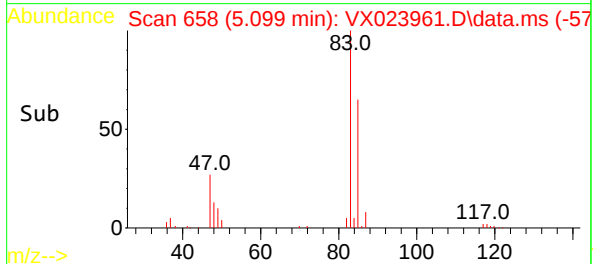
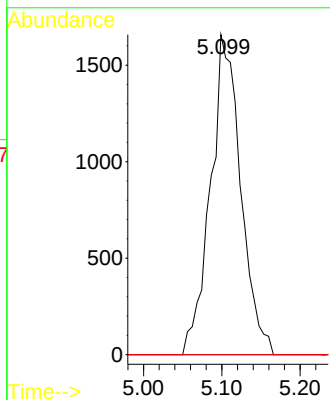
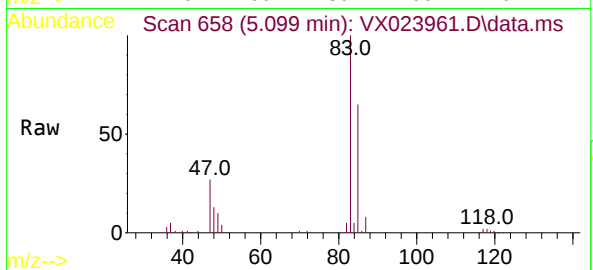




#28
Bromochloromethane
Concen: 3.677 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.189 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

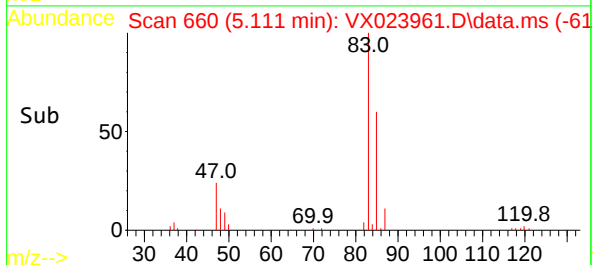
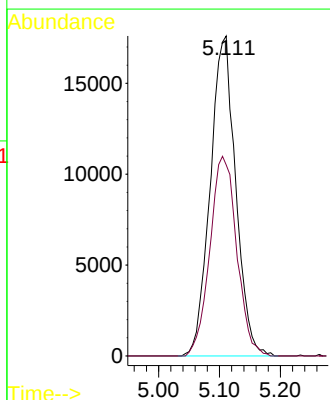
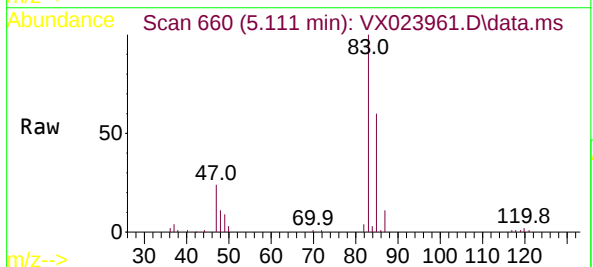
Instrument :
MSVOA_X
ClientSampled :

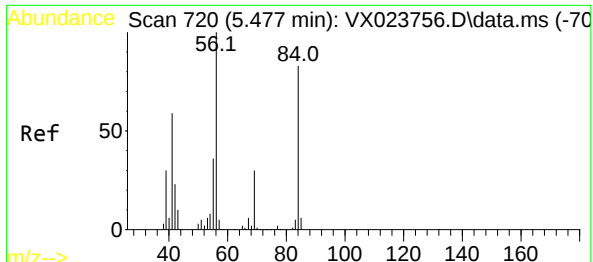
Tgt Ion: 49 Resp: 4447
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 18.134 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

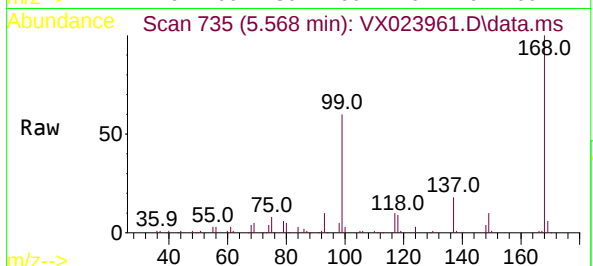
Tgt Ion: 83 Resp: 51076
Ion Ratio Lower Upper
83 100
85 59.7 52.0 78.0



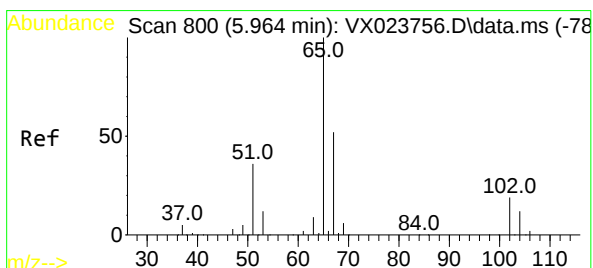
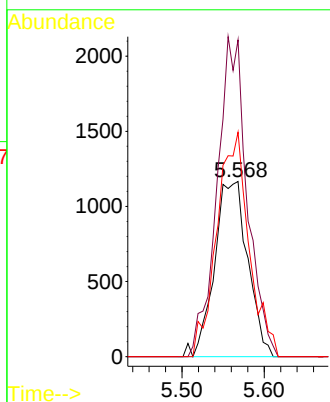
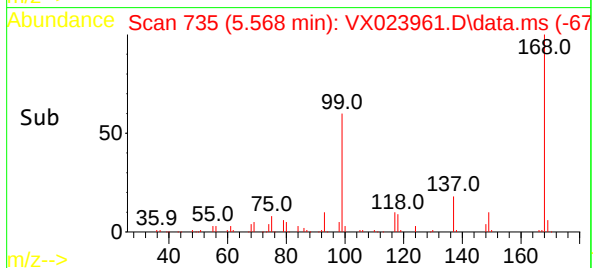


#31
Cyclohexane
Concen: 1.351 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

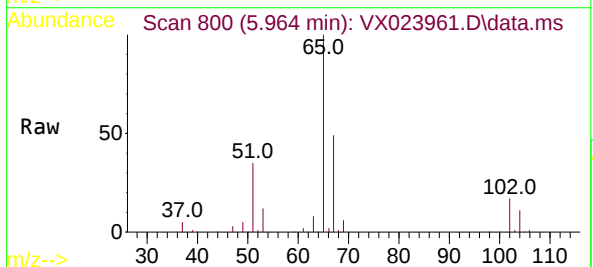
Instrument :
MSVOA_X
ClientSampled :



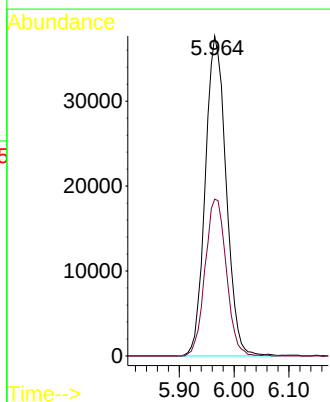
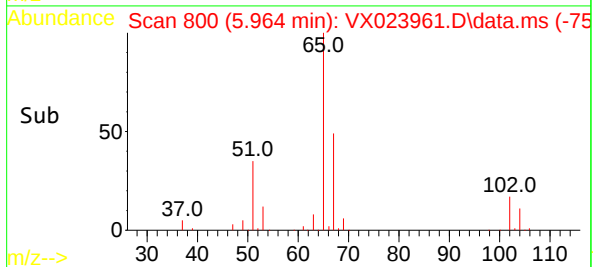
Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 180.9 25.3 37.9#
84 128.1 71.4 107.0#

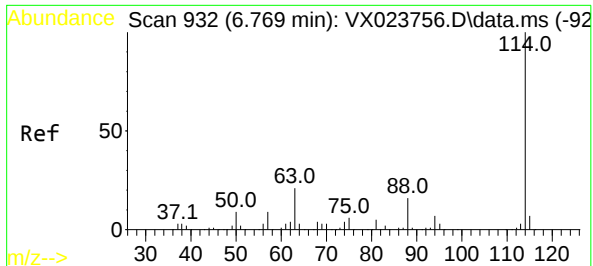


#33
1,2-Dichloroethane-d4
Concen: 52.437 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34



Tgt Ion: 65 Resp: 99301
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

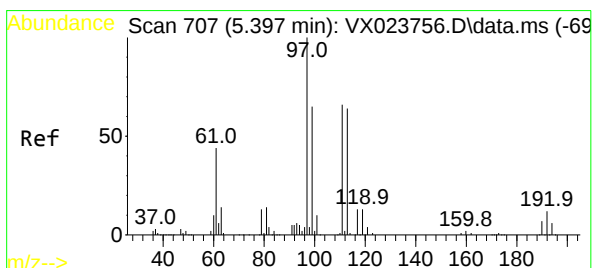
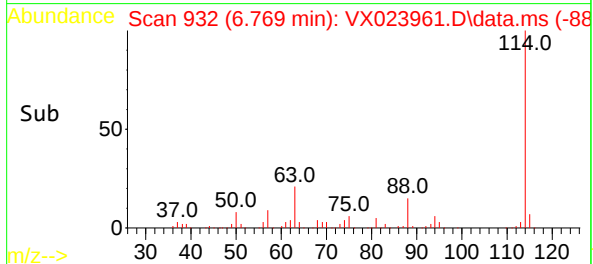
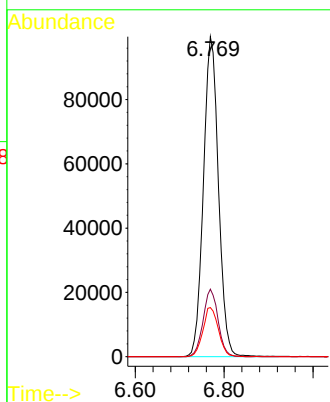
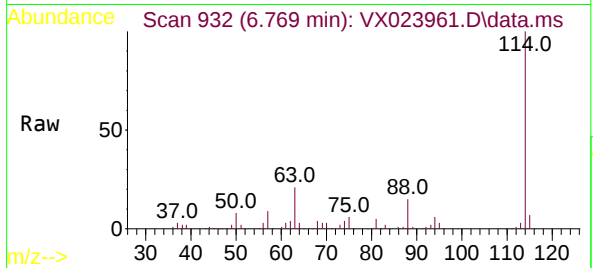




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

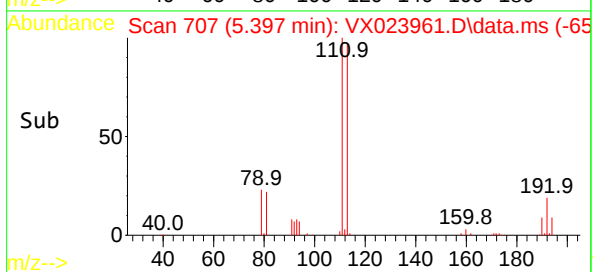
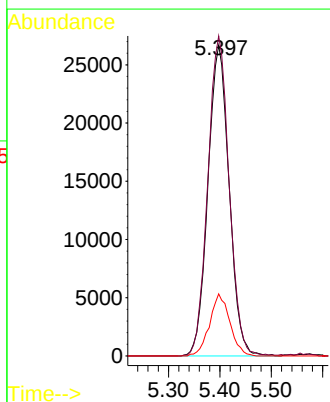
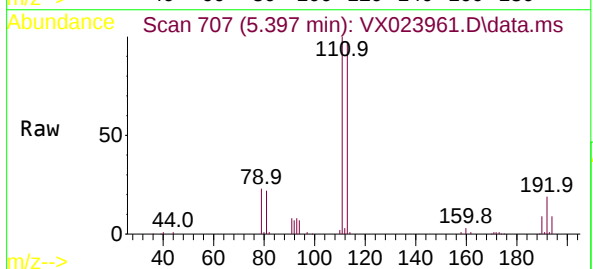
Instrument :
MSVOA_X
ClientSampleId :

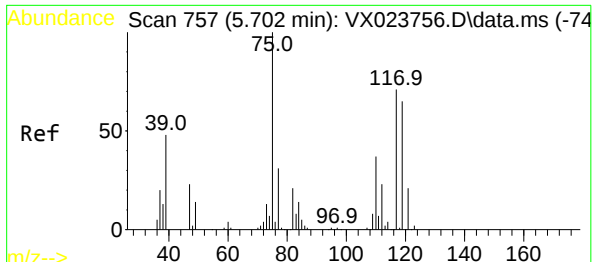
Tgt Ion:114 Resp: 234838
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.144 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion:113 Resp: 76386
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 19.1 16.7 25.1

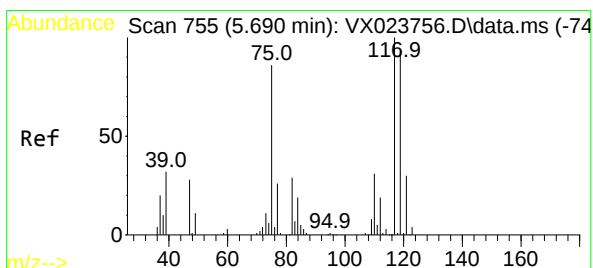
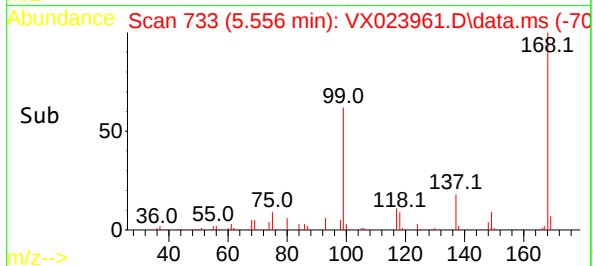
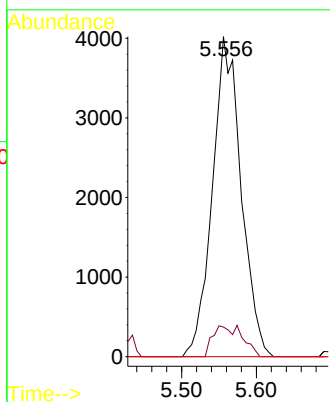
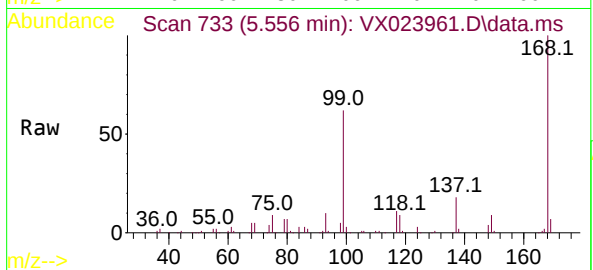




#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

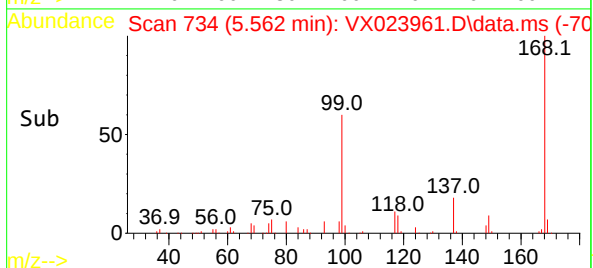
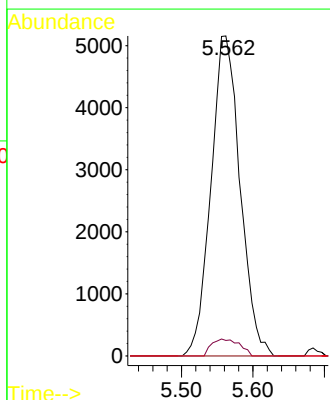
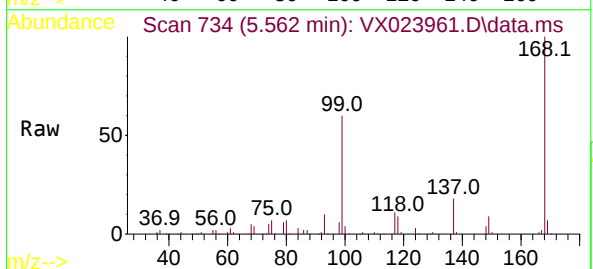
Instrument :
MSVOA_X
ClientSampled :

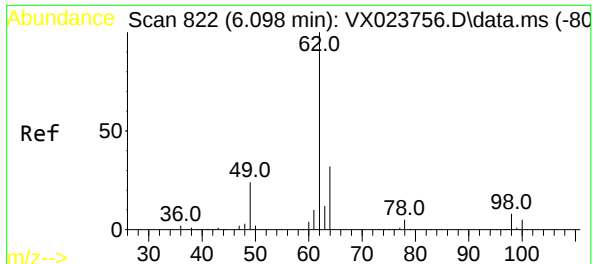
Tgt Ion: 75 Resp: 10726
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.438 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion: 117 Resp: 14601
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.018 min

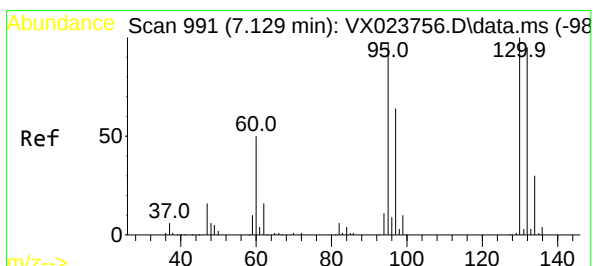
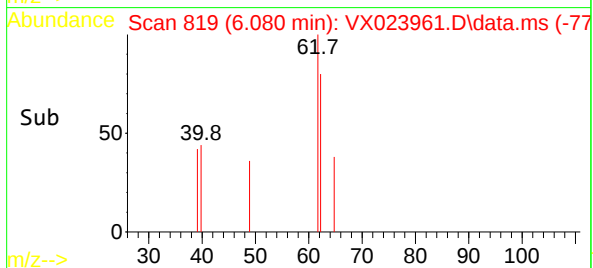
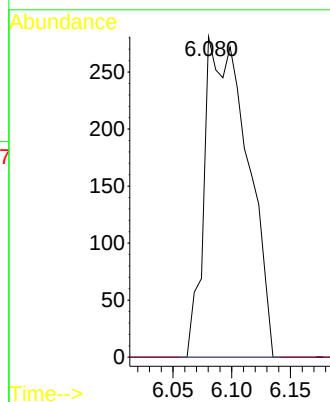
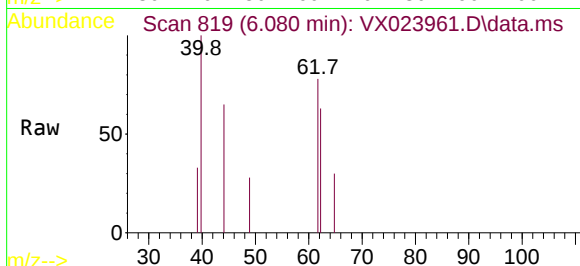
Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

Tgt Ion: 62 Resp: 715

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2



#44

Trichloroethene

Concen: 14.405 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

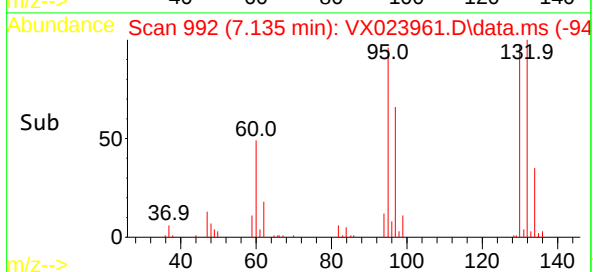
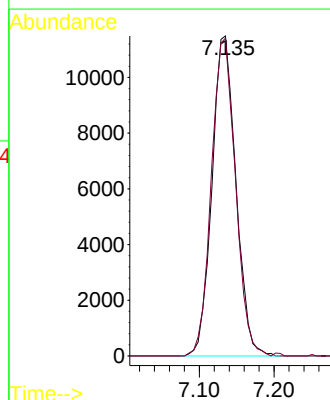
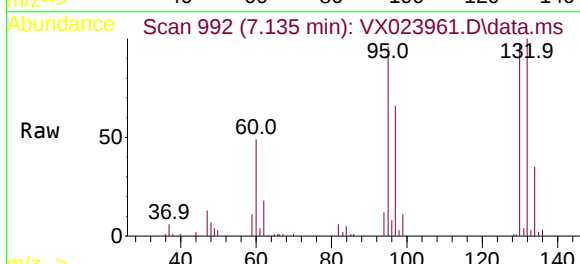
Lab File: VX023961.D

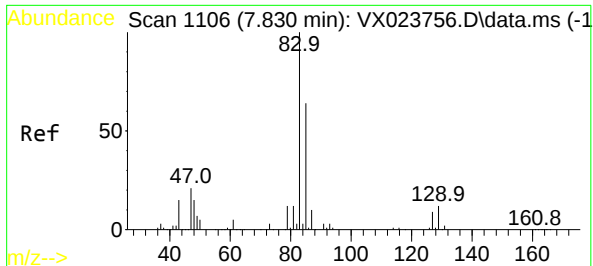
Acq: 26 Aug 2021 13:34

Tgt Ion: 130 Resp: 25589

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.0





#47

Bromodichloromethane

Concen: 1.143 ug/l

RT: 7.830 min Scan# 1106

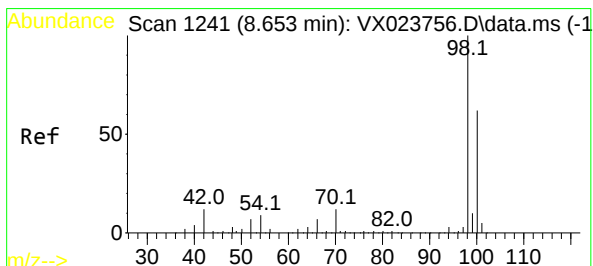
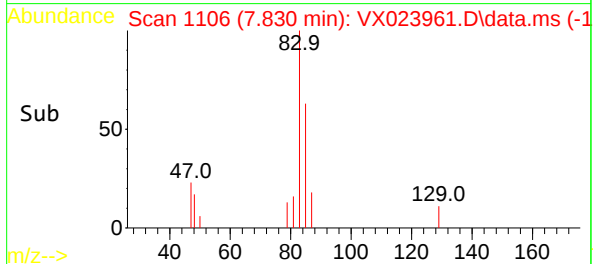
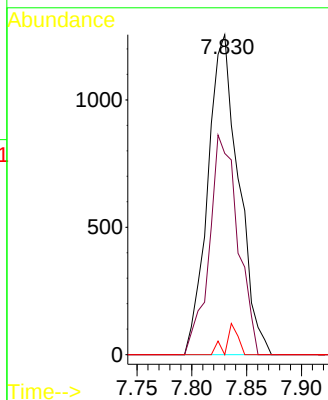
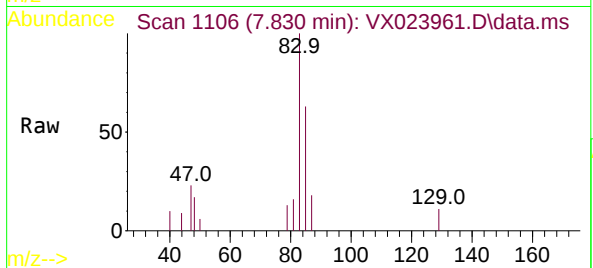
Delta R.T. -0.000 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	83	Resp:	2457
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.0
127	0.0	6.8	10.2#



#50

Toluene-d8

Concen: 47.028 ug/l

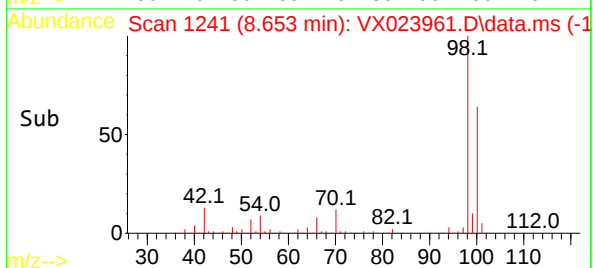
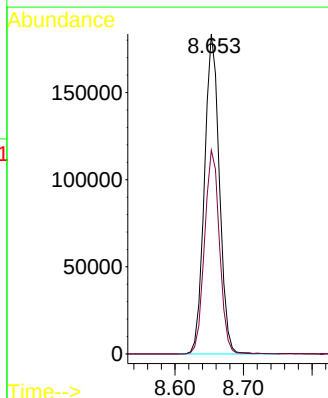
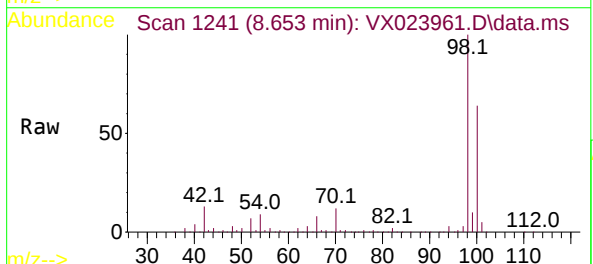
RT: 8.653 min Scan# 1241

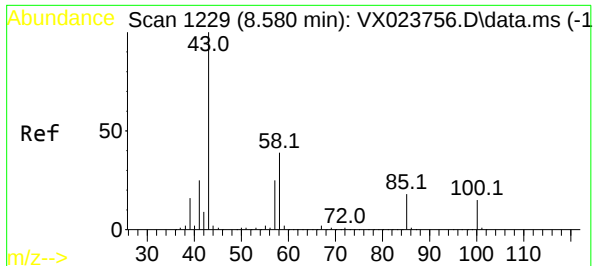
Delta R.T. -0.000 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

Tgt Ion:	98	Resp:	278212
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.9	77.9

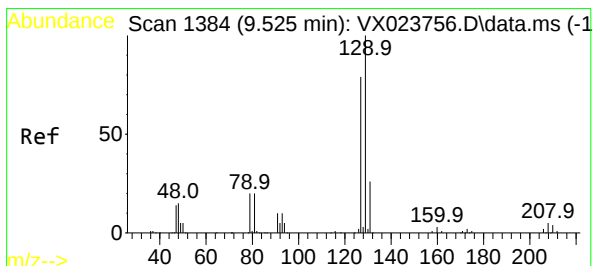
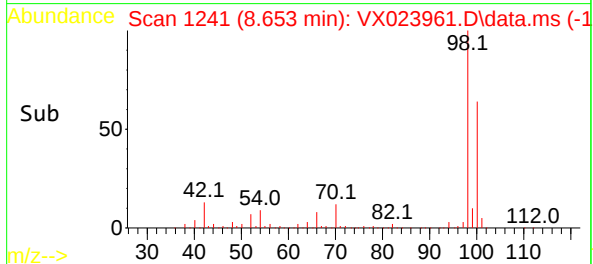
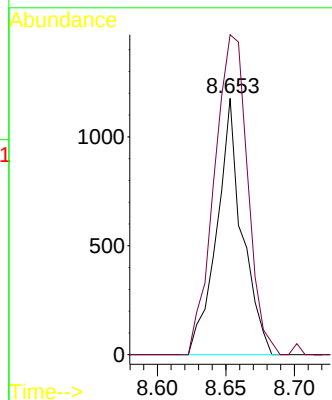
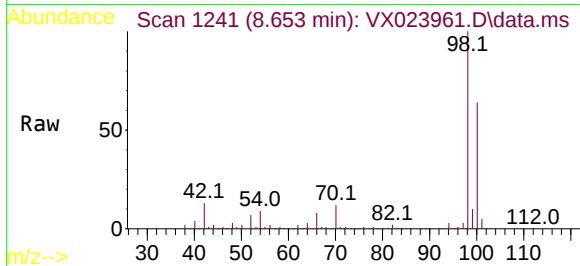




#51
4-Methyl-2-Pentanone
Concen: 0.563 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

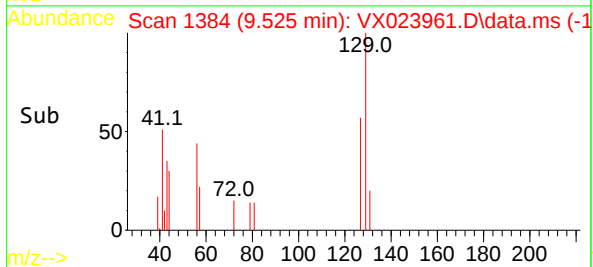
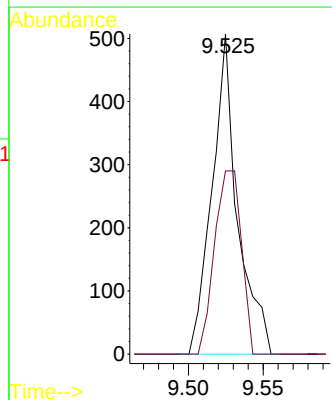
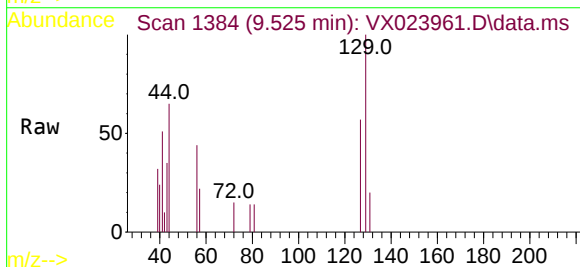
Instrument :
MSVOA_X
ClientSampled :

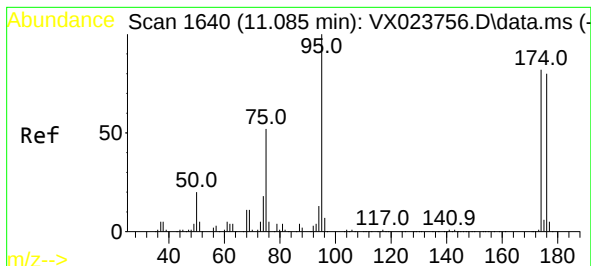
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 163.6 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.993 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion: 129 Resp: 599
Ion Ratio Lower Upper
129 100
127 60.3 38.4 115.2

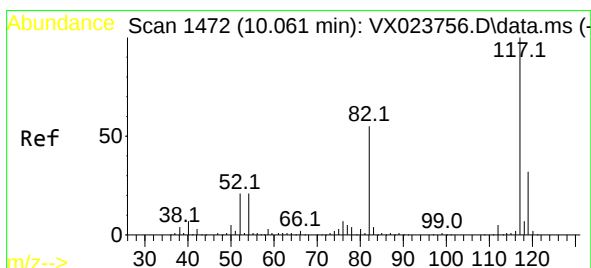
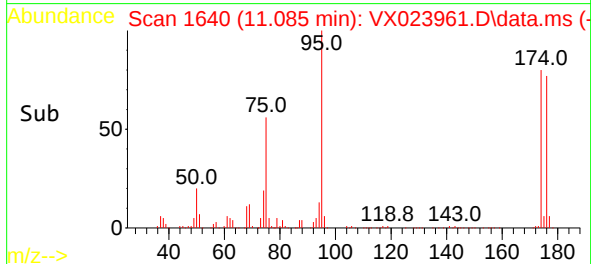
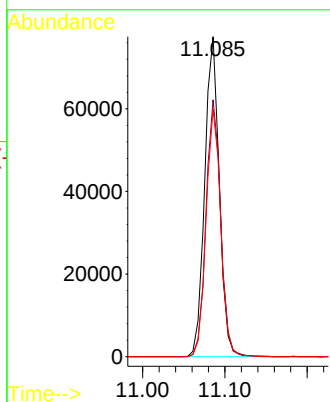
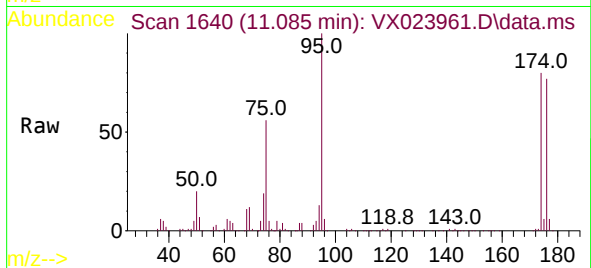




#62
4-Bromofluorobenzene
Concen: 43.813 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

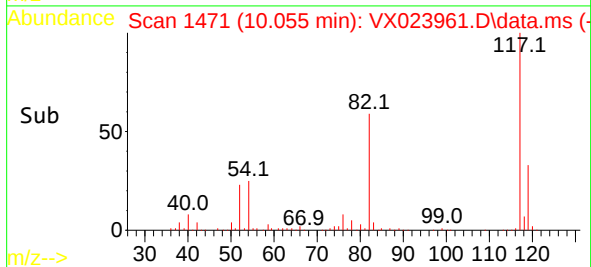
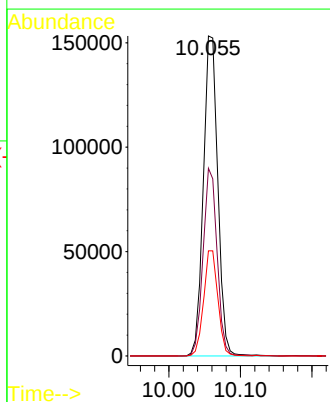
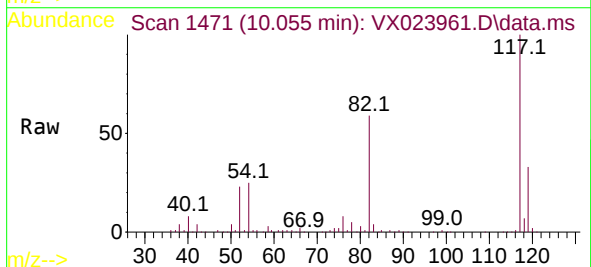
Instrument :
MSVOA_X
ClientSampleId :

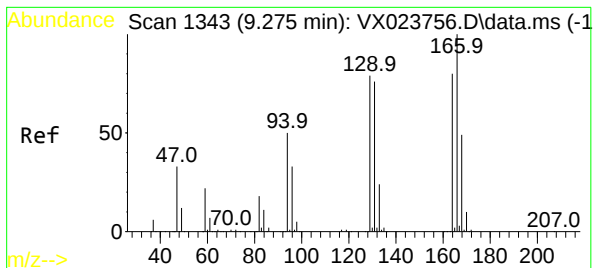
Tgt Ion: 95 Resp: 95416
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion: 117 Resp: 215532
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.9 26.6 39.8





#64

Tetrachloroethene

Concen: 0.428 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

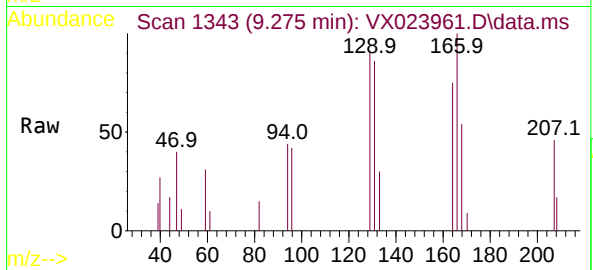
Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

Instrument :

MSVOA_X

ClientSampled :



Tgt Ion:164 Resp: 737

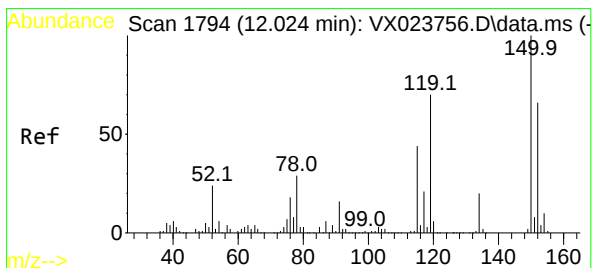
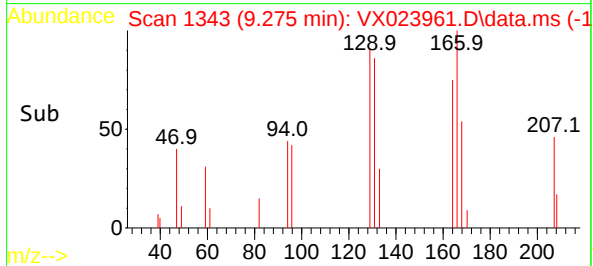
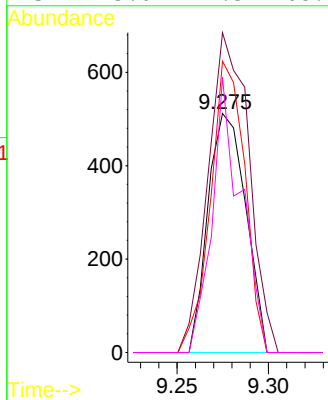
Ion Ratio Lower Upper

164 100

166 133.8 103.4 155.2

129 121.9 70.8 106.2#

131 115.0 72.5 108.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX023961.D

Acq: 26 Aug 2021 13:34

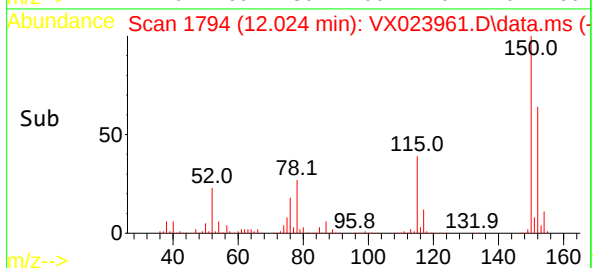
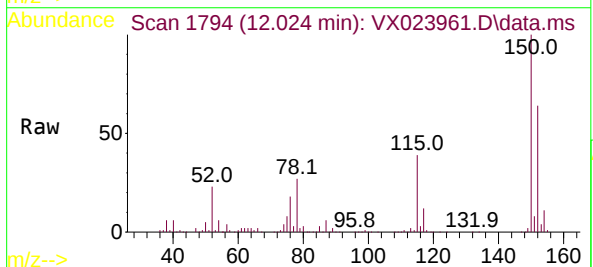
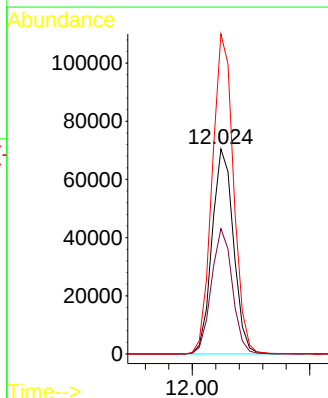
Tgt Ion:152 Resp: 89272

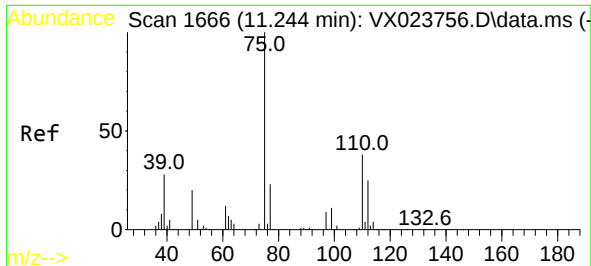
Ion Ratio Lower Upper

152 100

115 59.8 41.1 123.3

150 155.6 0.0 349.0

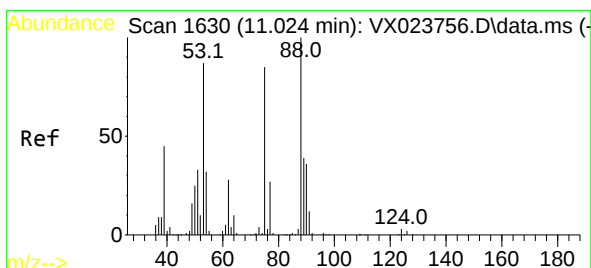
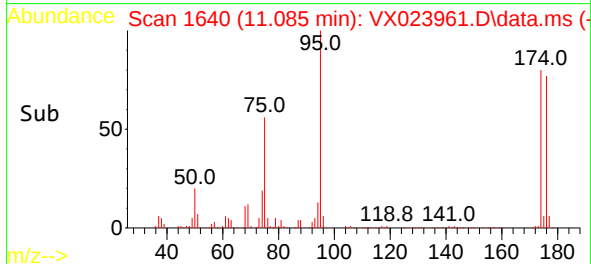
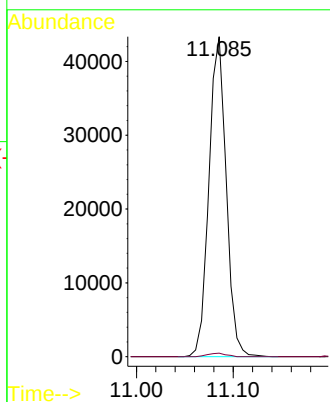
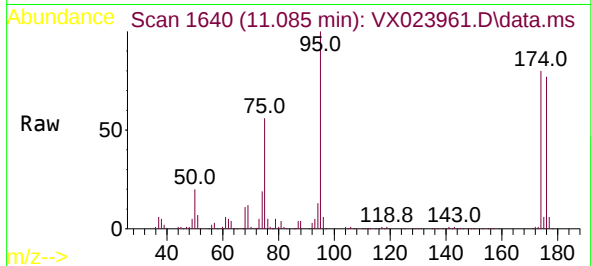




#76
1,2,3-Trichloropropane
Concen: 25.875 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

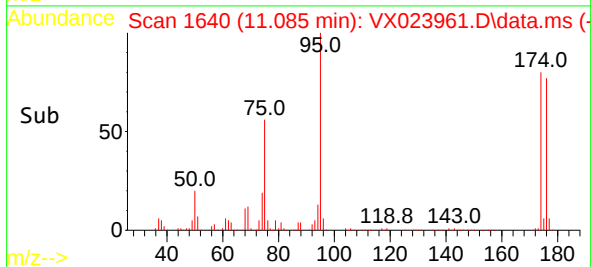
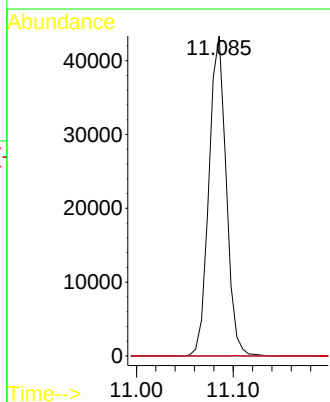
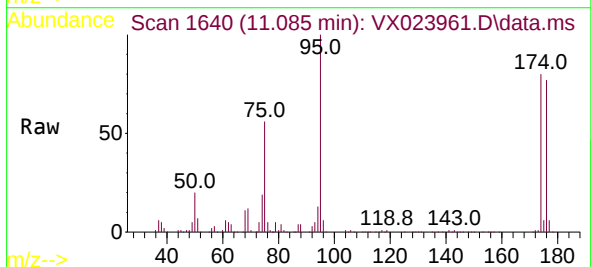
Instrument :
MSVOA_X
ClientSampled :

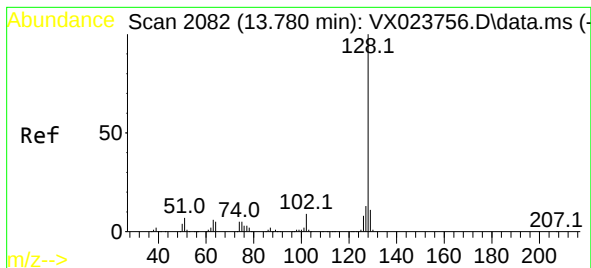
Tgt Ion: 75 Resp: 53884
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Tgt Ion: 75 Resp: 53884
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.307 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023961.D
Acq: 26 Aug 2021 13:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 162
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

