

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023881.D
 Acq On : 20 Aug 2021 16:46
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:13:58 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)

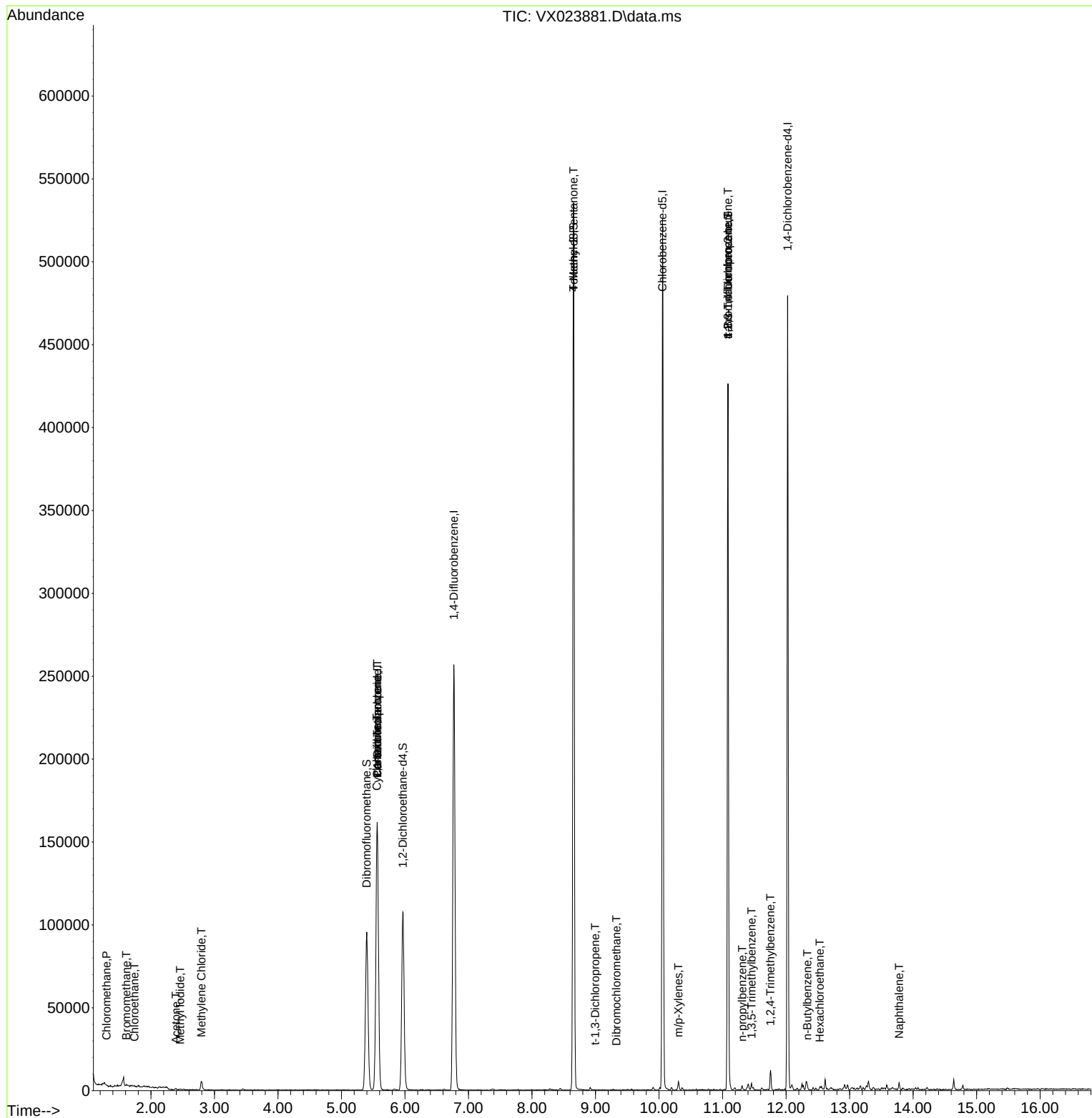
Internal Standards						
1) Pentafluorobenzene	5.562	168	149813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	255336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106736	51.047	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.100%	
35) Dibromofluoromethane	5.397	113	81086	47.980	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.960%	
50) Toluene-d8	8.653	98	311594	48.442	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	11.085	95	107029	45.200	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.400%	
Target Compounds						Qvalue
3) Chloromethane	1.300	50	417	0.240	ug/l	95
5) Bromomethane	1.611	94	567	0.533	ug/l #	65
6) Chloroethane	1.739	64	19	2.231	ug/l #	43
10) Methyl Iodide	2.459	142	603	0.288	ug/l #	85
16) Acetone	2.392	43	658	0.704	ug/l #	82
20) Methylene Chloride	2.794	84	2156	1.207	ug/l #	80
31) Cyclohexane	5.556	56	3610	1.344	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11750	4.969	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14951	6.063	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1515	0.515	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	24	2.145	ug/l #	44
60) Dibromochloromethane	9.329	129	19	1.697	ug/l #	11
68) m/p-Xylenes	10.305	106	1284	0.401	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	57084	25.874	ug/l #	39
78) n-propylbenzene	11.311	91	1690	0.205	ug/l	93
80) 1,3,5-Trimethylbenzene	11.457	105	1478	0.249	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.085	75	57084	76.109	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	5084	0.860	ug/l	90
89) n-Butylbenzene	12.335	91	1537	0.287	ug/l #	56
90) Hexachloroethane	12.530	117	132	1.589	ug/l #	9
95) Naphthalene	13.780	128	2768	1.672	ug/l	96

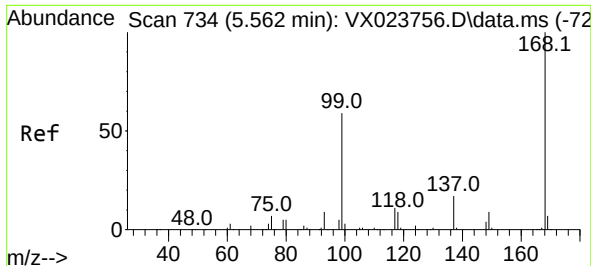
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 21 01:13:58 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

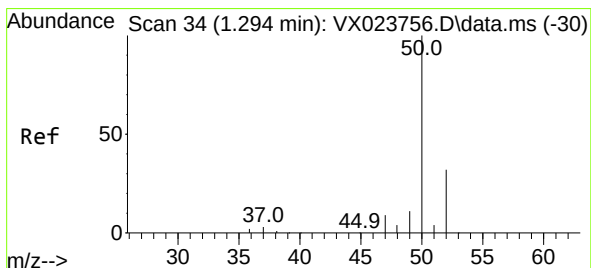
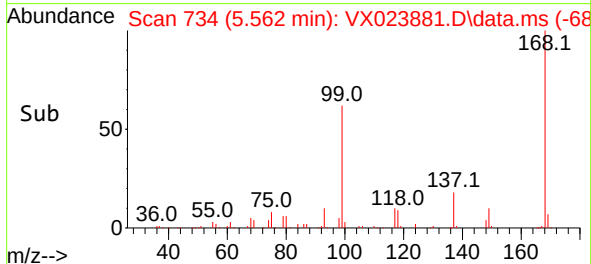
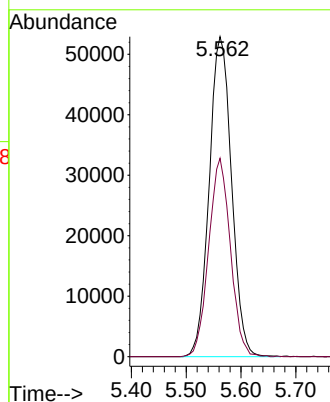
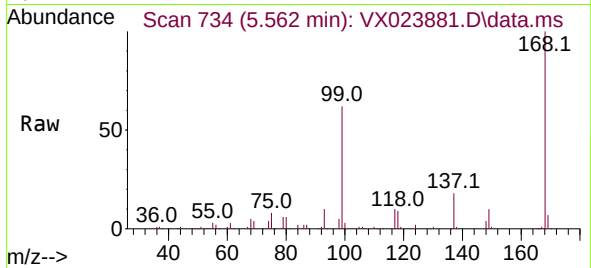




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

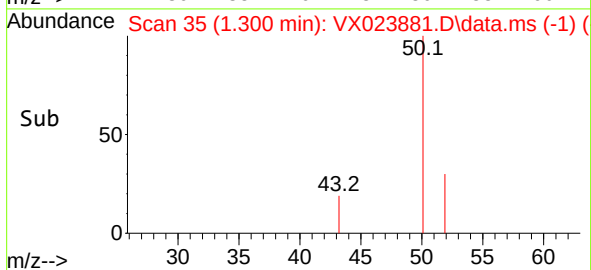
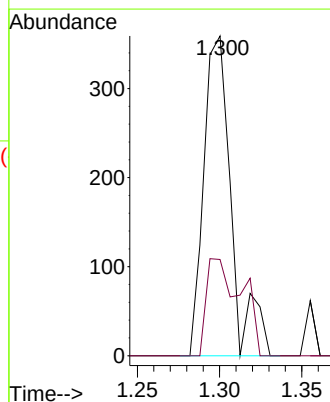
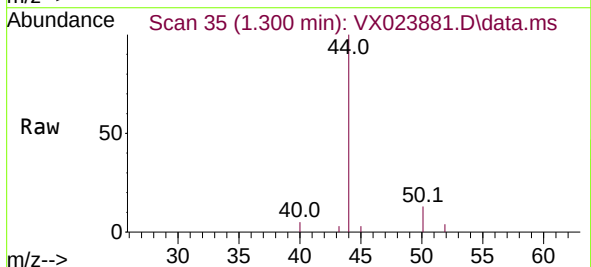
Instrument :
MSVOA_X
ClientSampled :

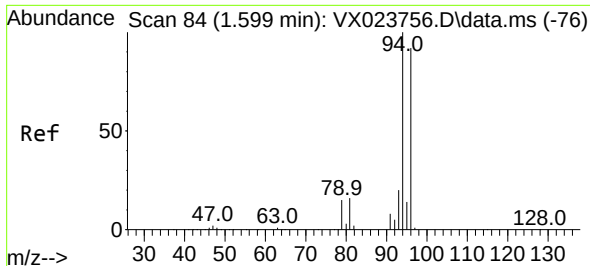
Tgt Ion:168 Resp: 149813
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 30.1 26.4 39.6

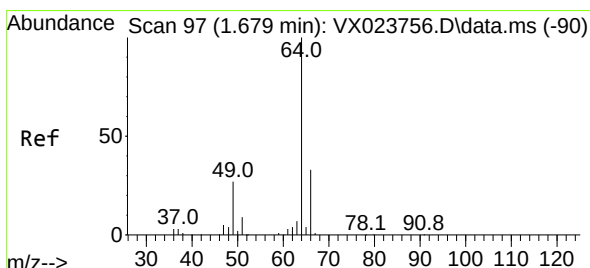
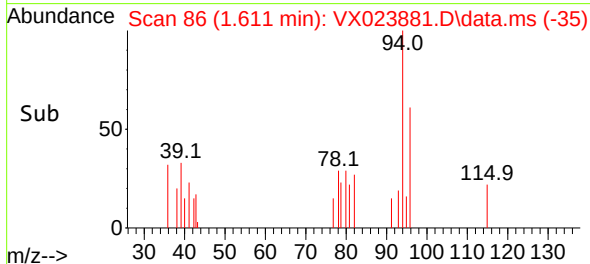
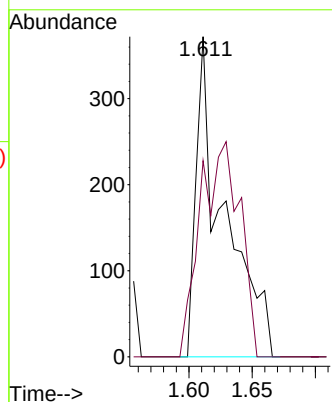
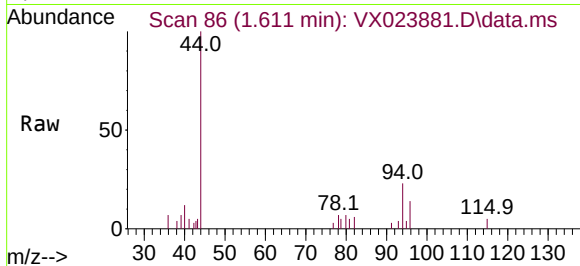




#5
Bromomethane
Concen: 0.533 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

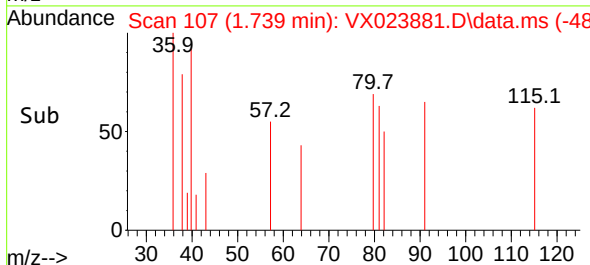
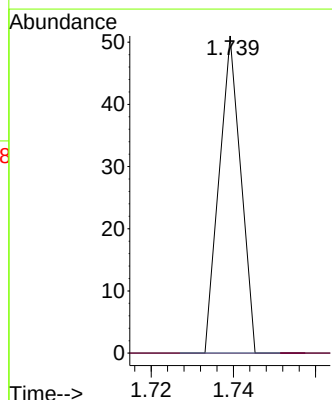
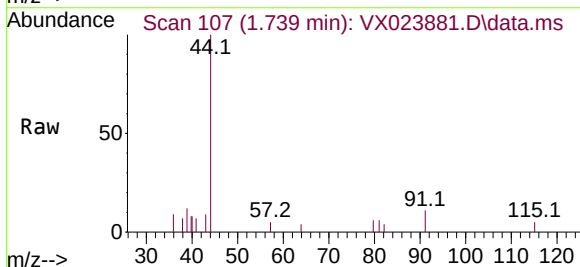
Instrument :
MSVOA_X
ClientSampled :

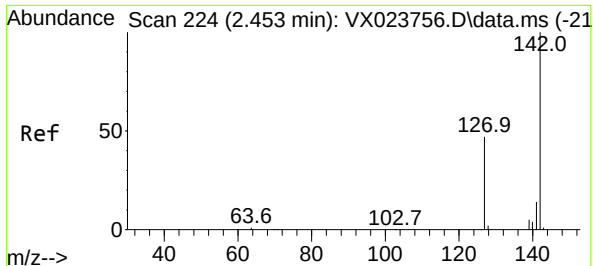
Tgt Ion: 94 Resp: 567
Ion Ratio Lower Upper
94 100
96 61.3 76.4 114.6#



#6
Chloroethane
Concen: 2.231 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.060 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

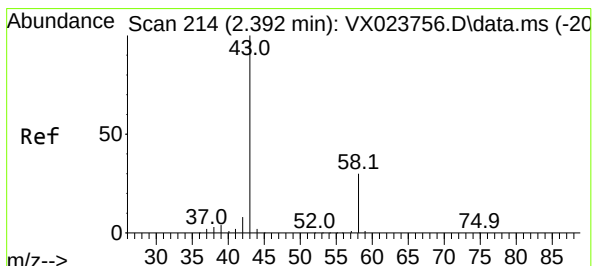
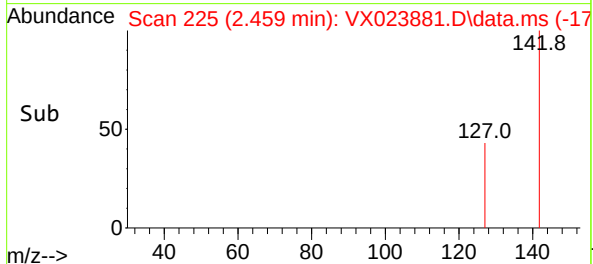
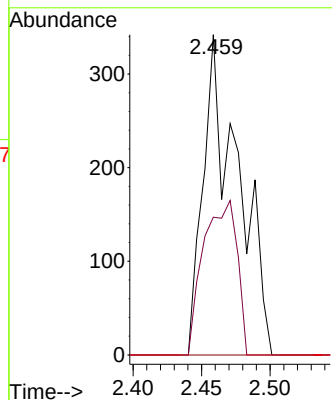
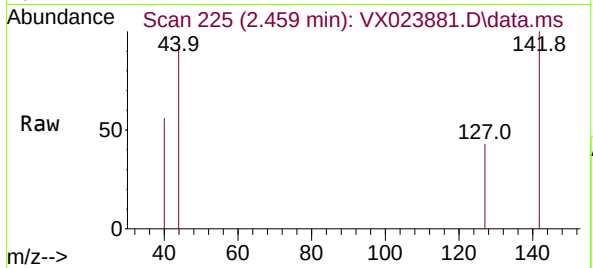




#10
Methyl Iodide
Concen: 0.288 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

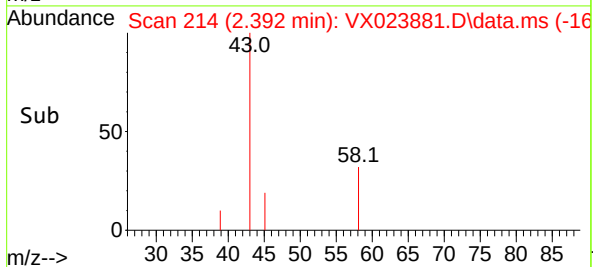
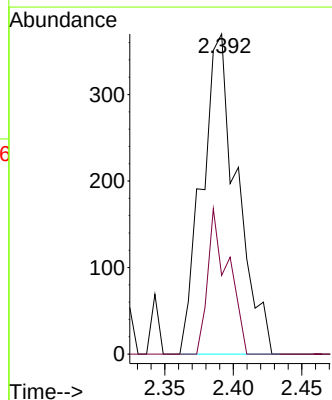
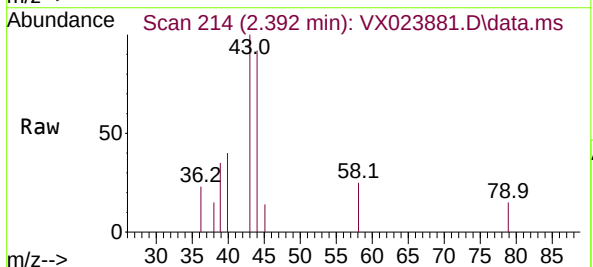
Instrument :
MSVOA_X
ClientSampled :

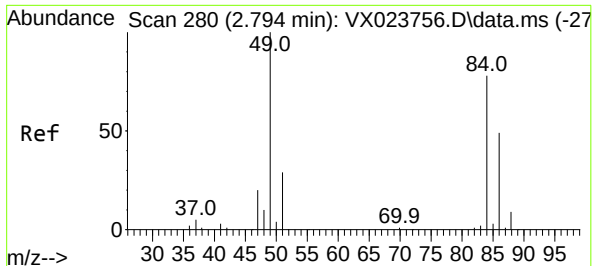
Tgt Ion:142 Resp: 603
Ion Ratio Lower Upper
142 100
127 46.6 33.3 49.9
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.704 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

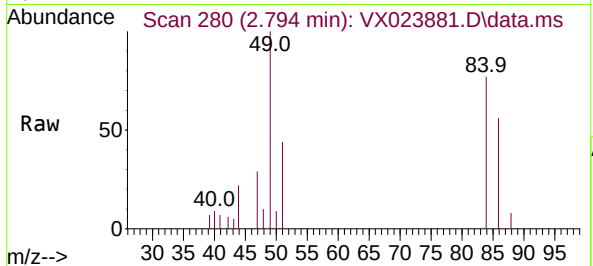
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#



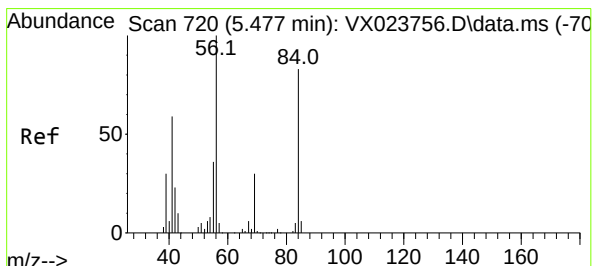
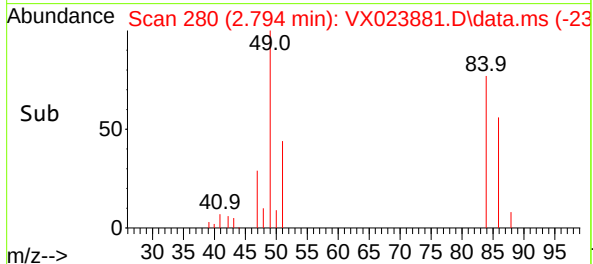
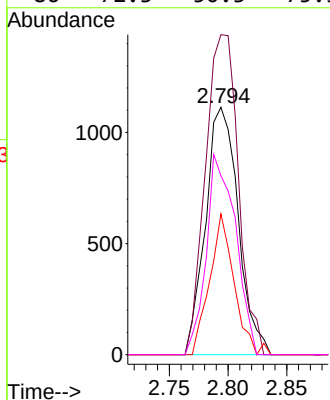


#20
Methylene Chloride
Concen: 1.207 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Instrument :
MSVOA_X
ClientSampled :

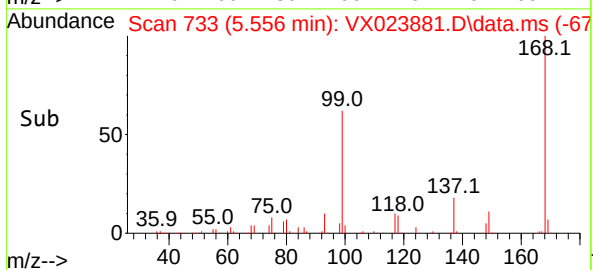
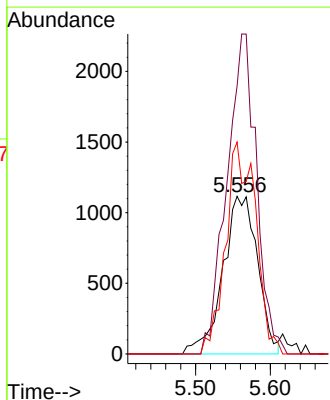
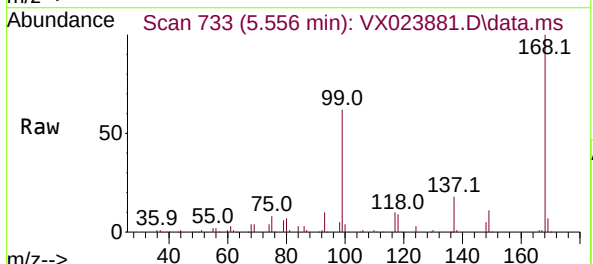


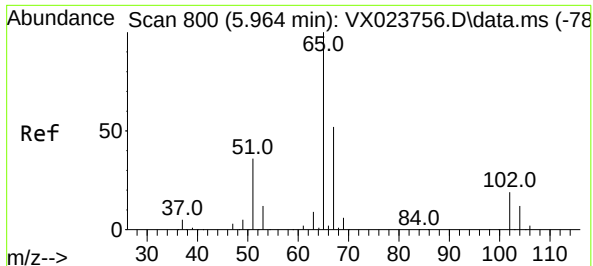
Tgt Ion:	84	Resp:	2156
Ion	Ratio	Lower	Upper
84	100		
49	129.4	88.6	132.8
51	57.0	27.0	40.6#
86	72.3	50.3	75.5



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion:	56	Resp:	3610
Ion	Ratio	Lower	Upper
56	100		
69	170.0	25.3	37.9#
84	134.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.047 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023881.D

Acq: 20 Aug 2021 16:46

Tgt Ion: 65 Resp: 106736

Ion Ratio Lower Upper

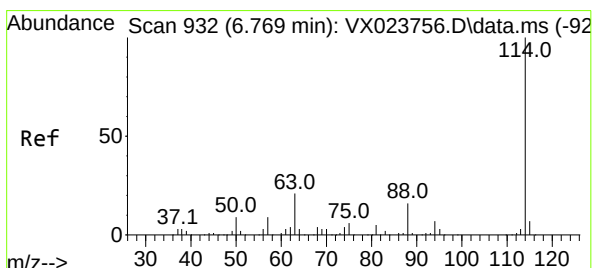
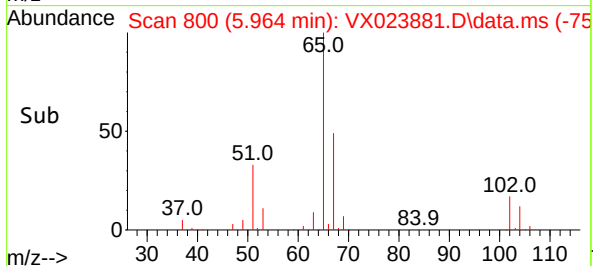
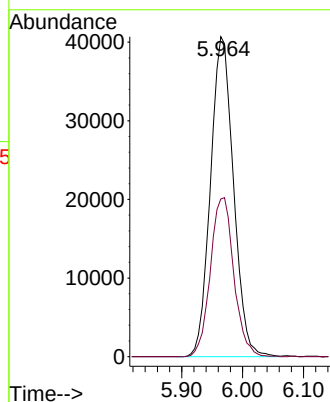
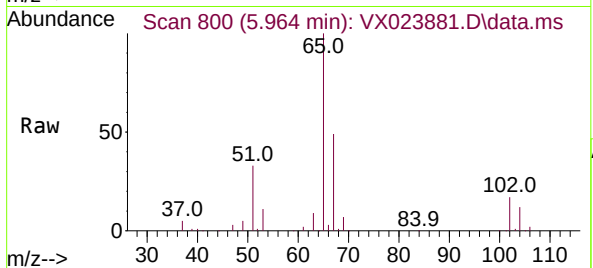
65 100

67 50.7 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023881.D

Acq: 20 Aug 2021 16:46

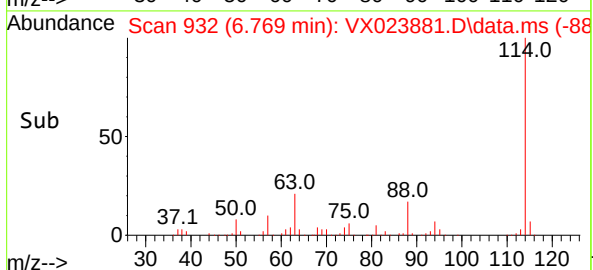
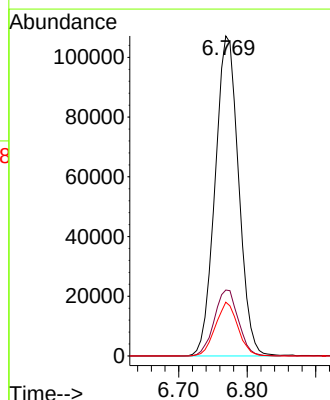
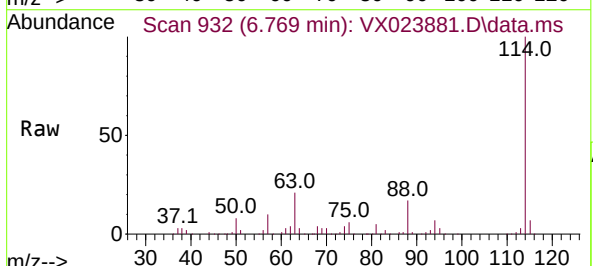
Tgt Ion: 114 Resp: 255336

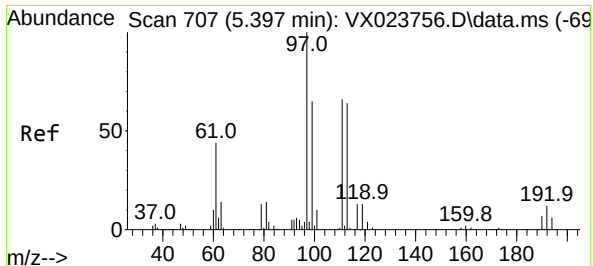
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.980 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023881.D

Acq: 20 Aug 2021 16:46

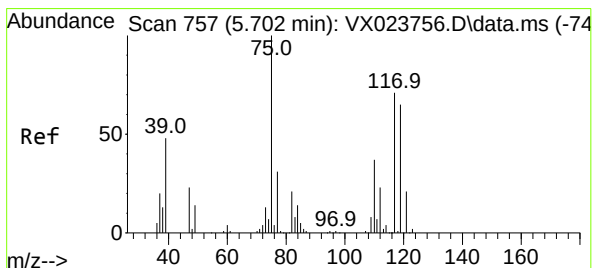
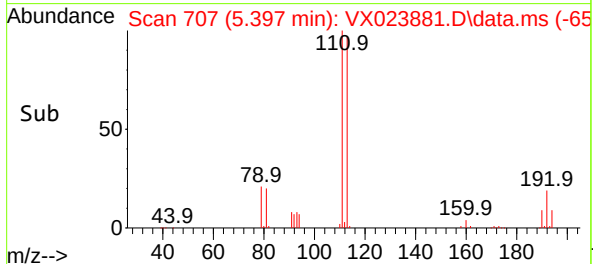
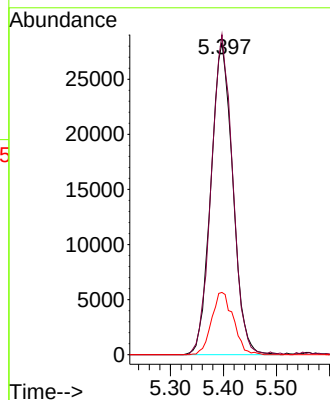
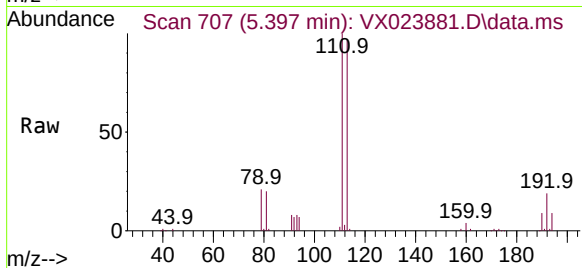
Tgt Ion: 113 Resp: 81086

Ion Ratio Lower Upper

113 100

111 100.4 81.9 122.9

192 19.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023881.D

Acq: 20 Aug 2021 16:46

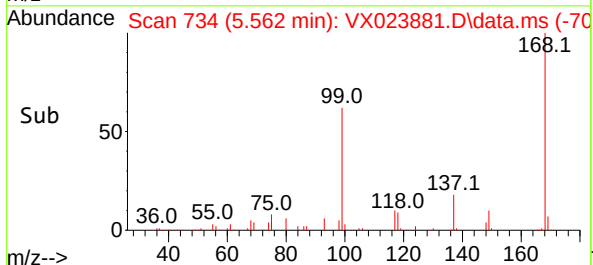
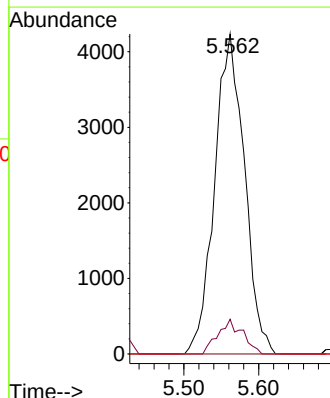
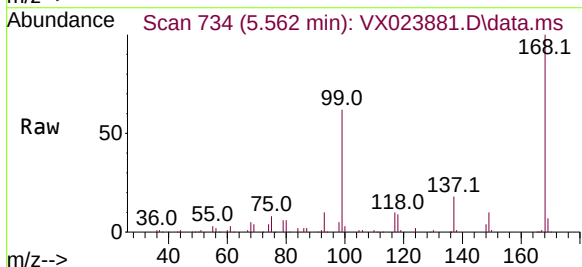
Tgt Ion: 75 Resp: 11750

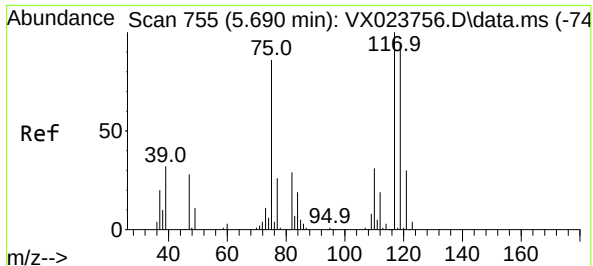
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

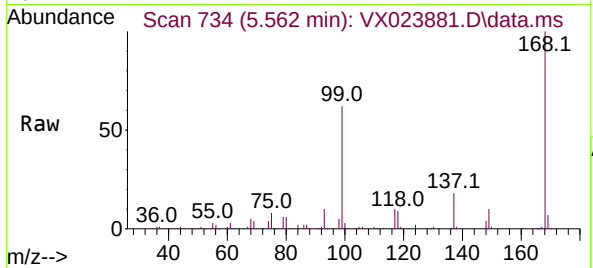
77 0.0 25.3 37.9#



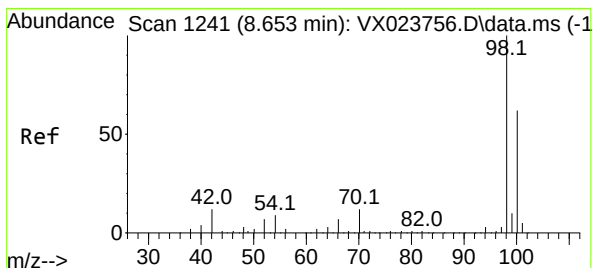
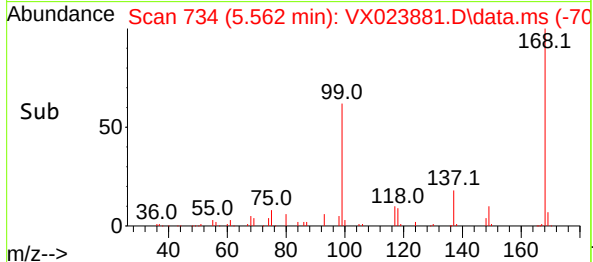
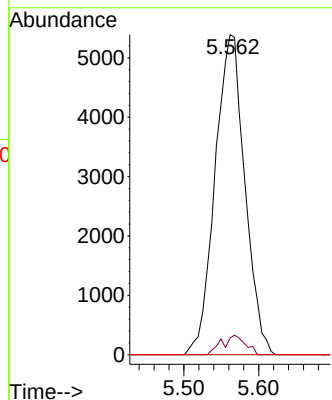


#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Instrument :
MSVOA_X
ClientSampled :

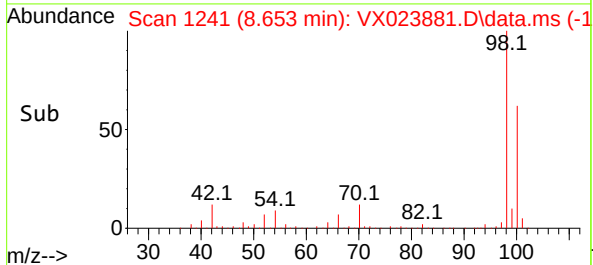
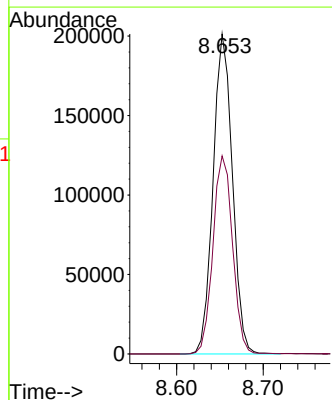
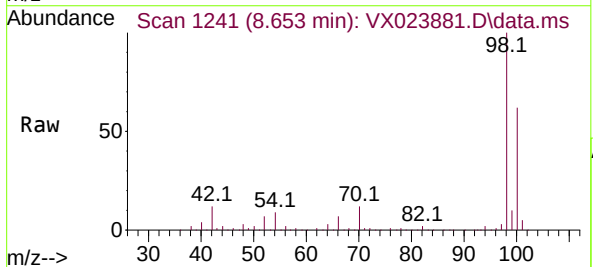


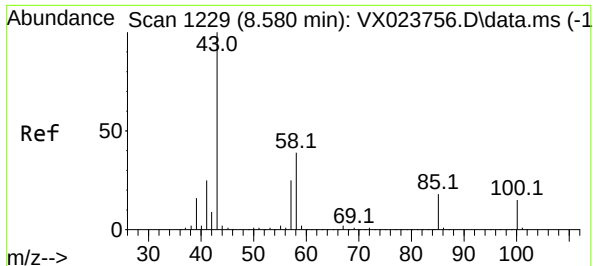
Tgt Ion:117 Resp: 14951
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.442 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion: 98 Resp: 311594
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9

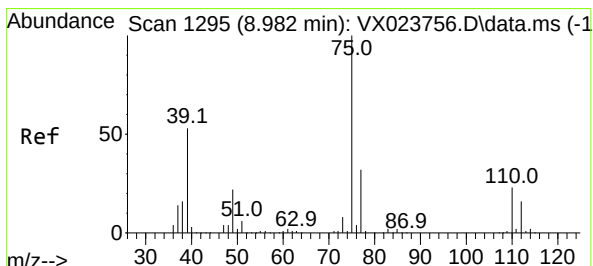
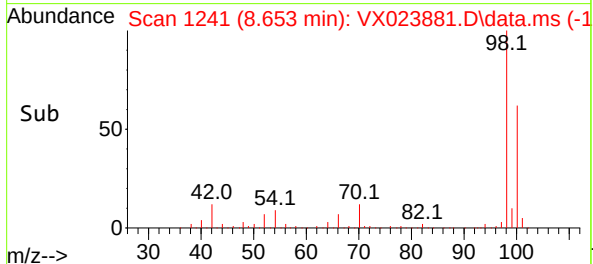
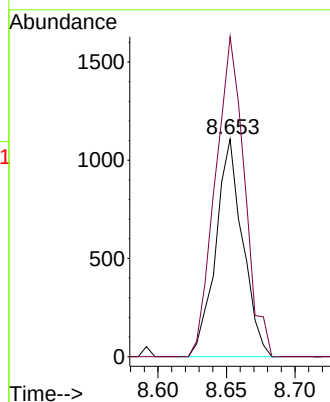
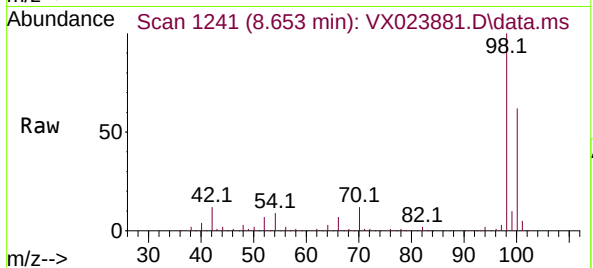




#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

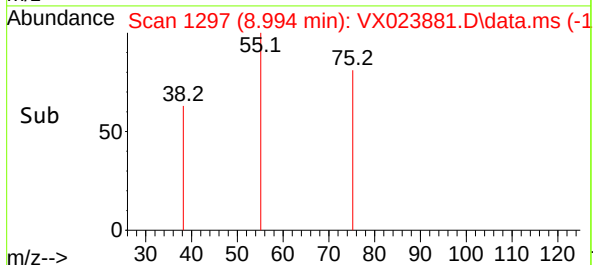
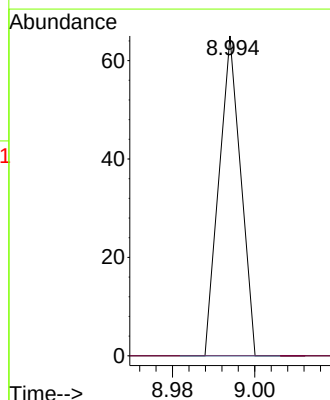
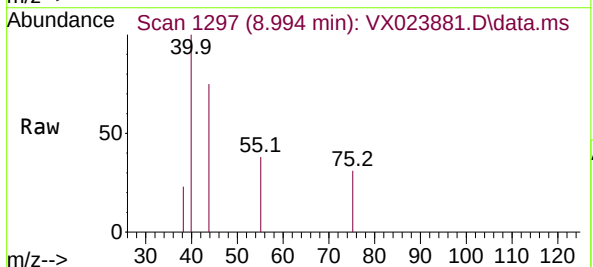
Instrument :
MSVOA_X
ClientSampled :

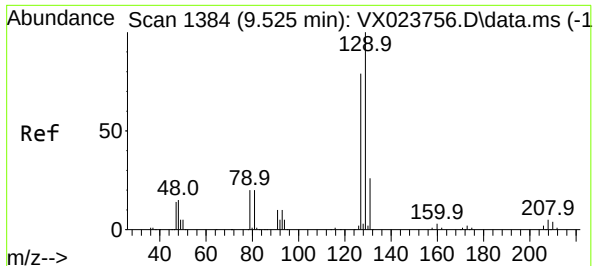
Tgt Ion: 43 Resp: 1515
Ion Ratio Lower Upper
43 100
58 159.4 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 2.145 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

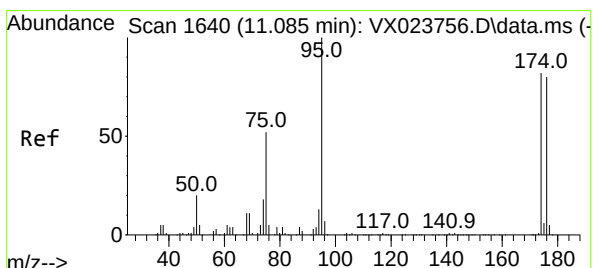
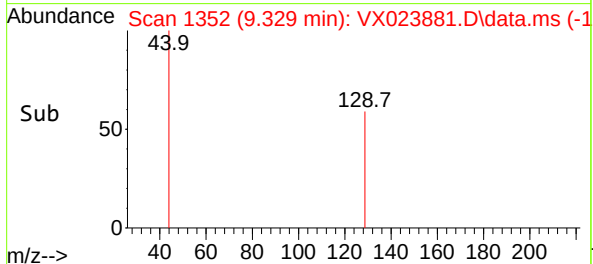
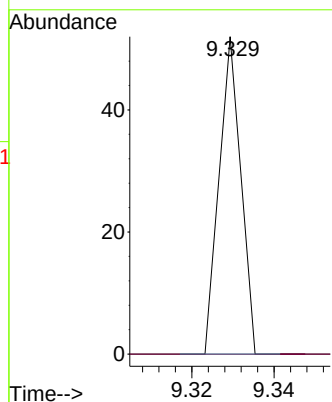
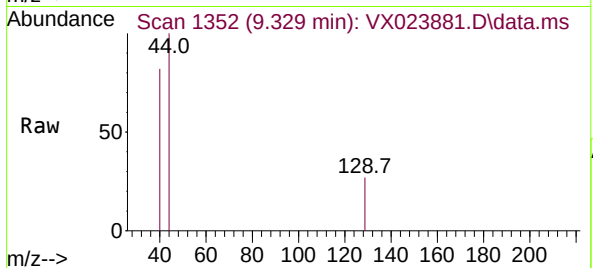




#60
Dibromochloromethane
Concen: 1.697 ug/l
RT: 9.329 min Scan# 1352
Delta R.T. -0.196 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

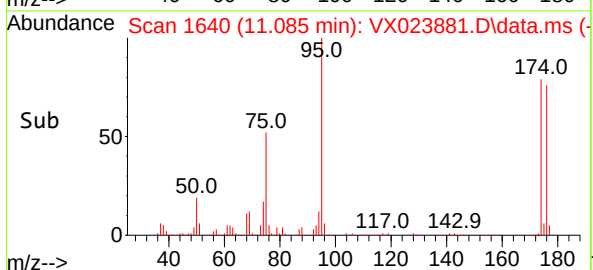
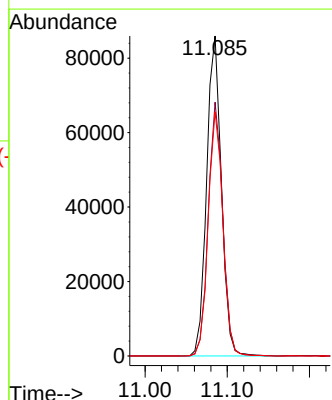
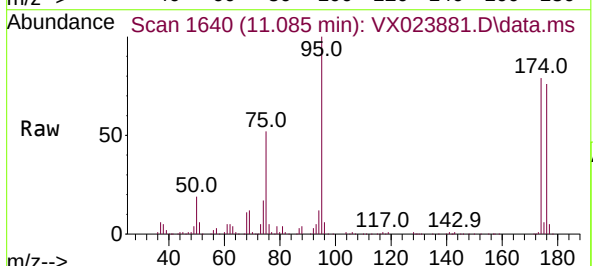
Instrument :
MSVOA_X
ClientSampled :

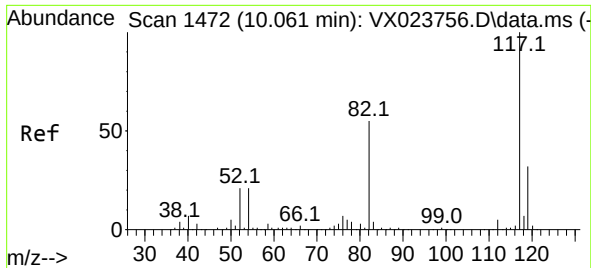
Tgt Ion:129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.200 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion: 95 Resp: 107029
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 75.9 0.0 155.8

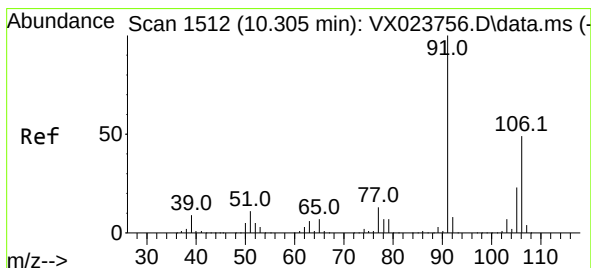
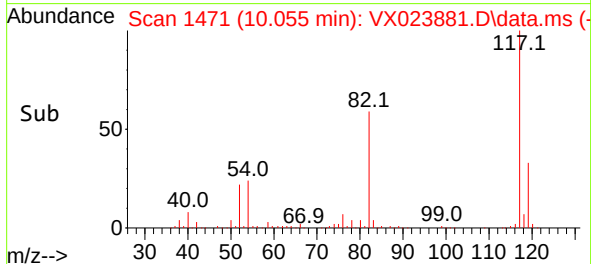
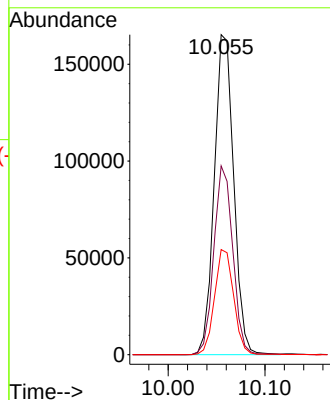
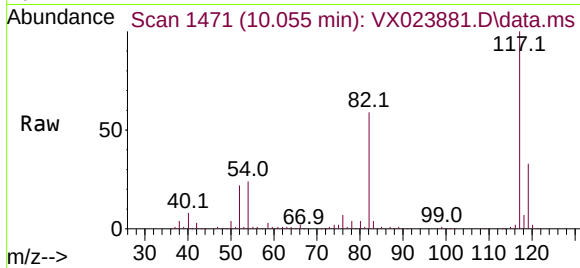




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

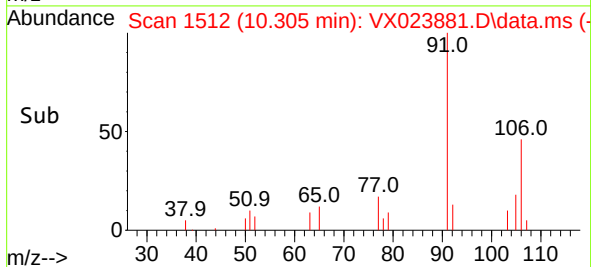
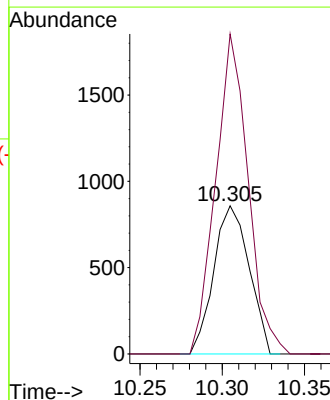
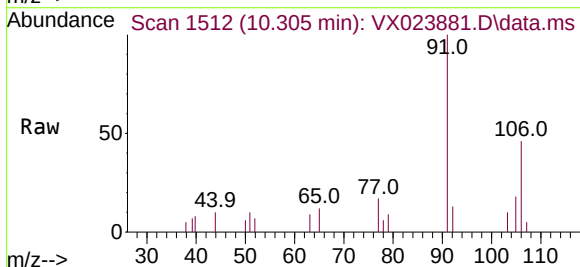
Instrument :
MSVOA_X
ClientSampled :

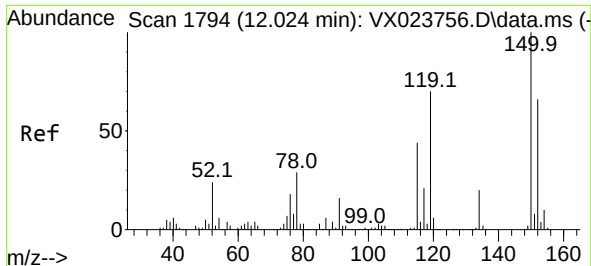
Tgt Ion:117 Resp: 230850
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 32.9 26.6 39.8



#68
m/p-Xylenes
Concen: 0.401 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

Tgt Ion:106 Resp: 1284
Ion Ratio Lower Upper
106 100
91 197.7 162.8 244.2

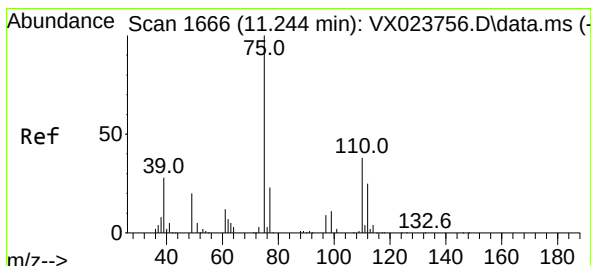
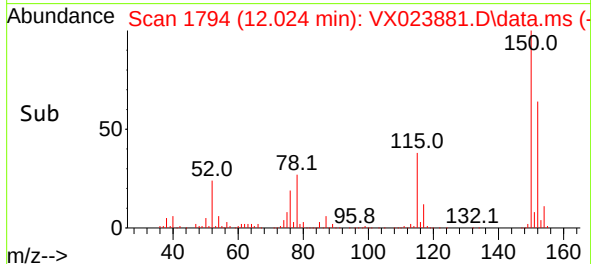
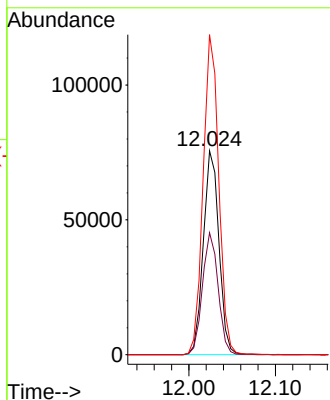
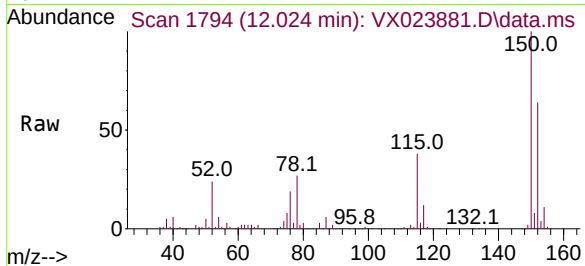




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023881.D
 Acq: 20 Aug 2021 16:46

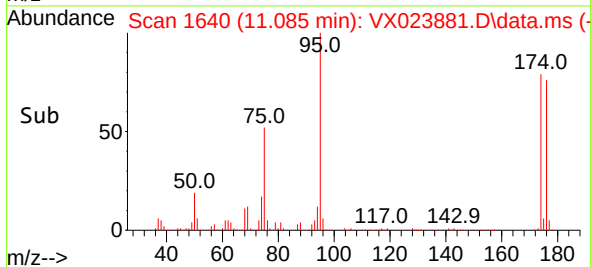
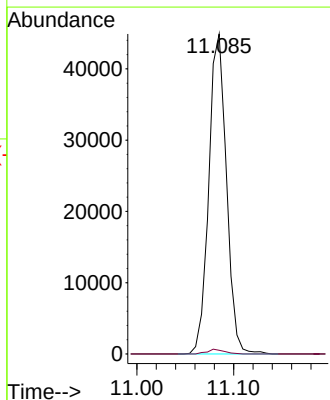
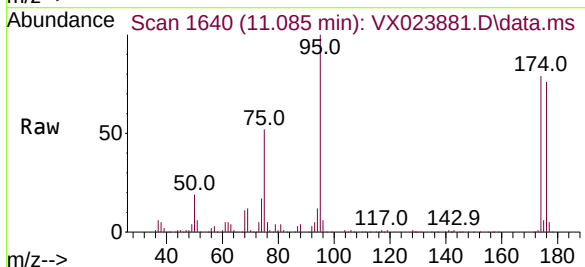
Instrument :
 MSVOA_X
 ClientSampled :

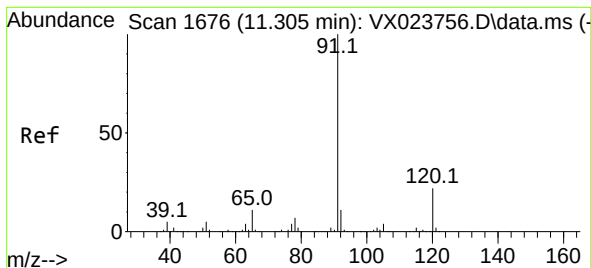
Tgt Ion:152 Resp: 94577
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.1 123.3
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.874 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023881.D
 Acq: 20 Aug 2021 16:46

Tgt Ion: 75 Resp: 57084
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#





#78

n-propylbenzene

Concen: 0.205 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX023881.D

Acq: 20 Aug 2021 16:46

Tgt Ion: 91 Resp: 1690

Ion Ratio Lower Upper

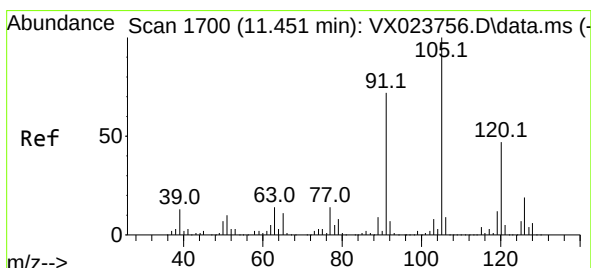
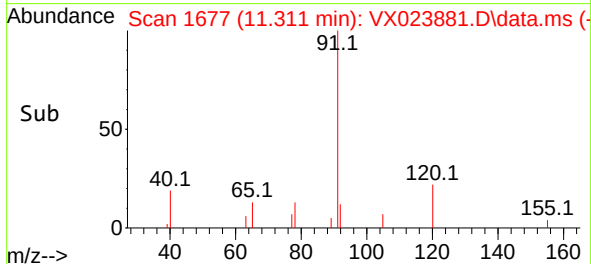
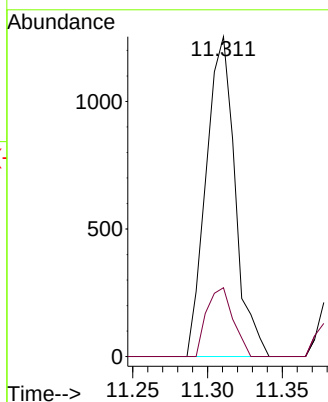
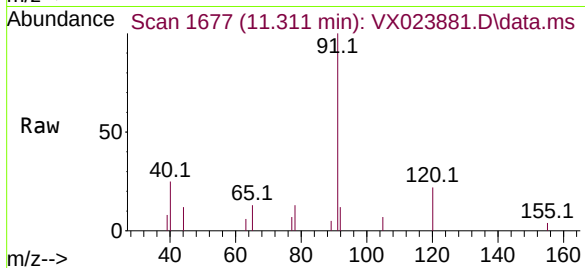
91 100

120 19.6 11.5 34.5

Instrument :

MSVOA_X

ClientSampled :



#80

1,3,5-Trimethylbenzene

Concen: 0.249 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX023881.D

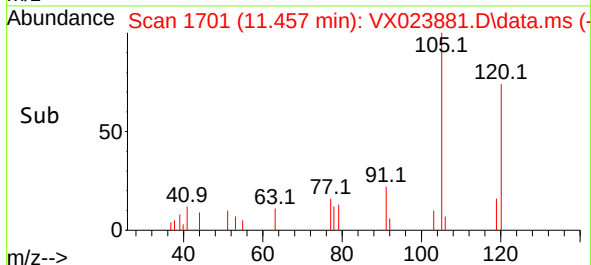
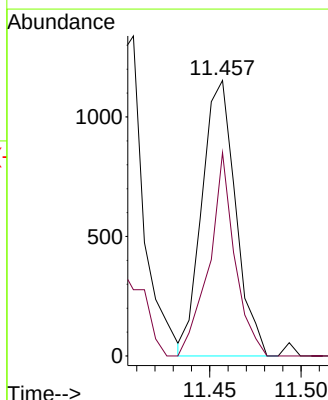
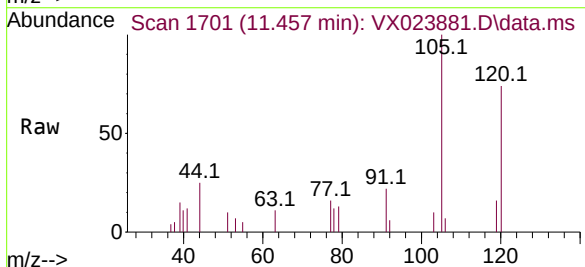
Acq: 20 Aug 2021 16:46

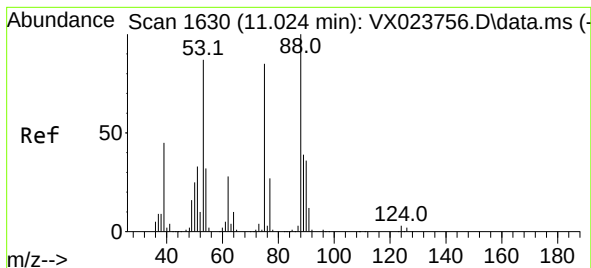
Tgt Ion: 105 Resp: 1478

Ion Ratio Lower Upper

105 100

120 56.4 23.8 71.5

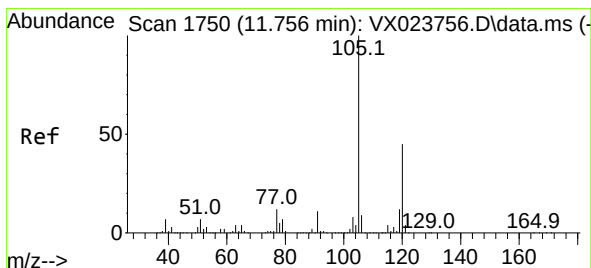
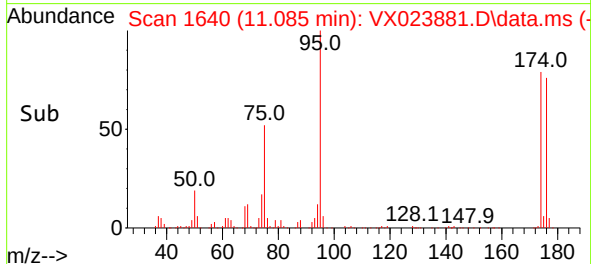
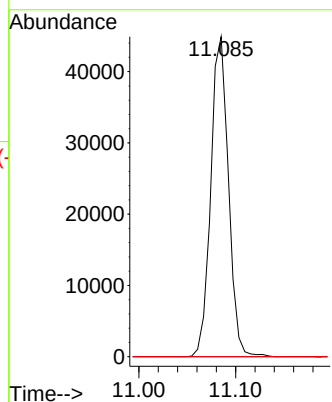
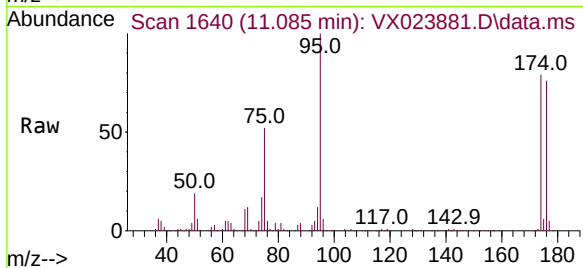




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.109 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023881.D
 Acq: 20 Aug 2021 16:46

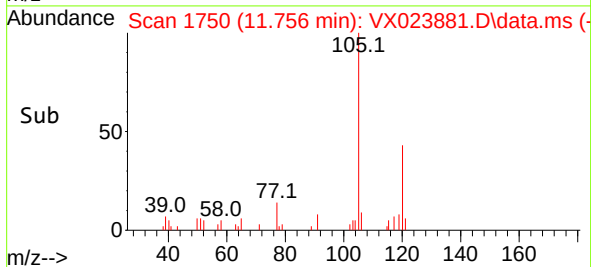
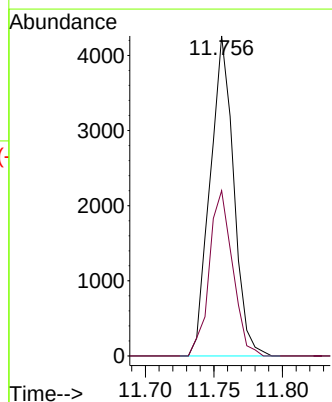
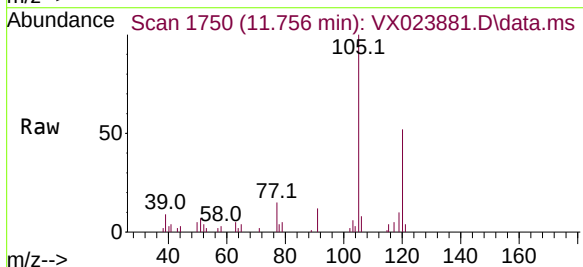
Instrument :
 MSVOA_X
 ClientSampled :

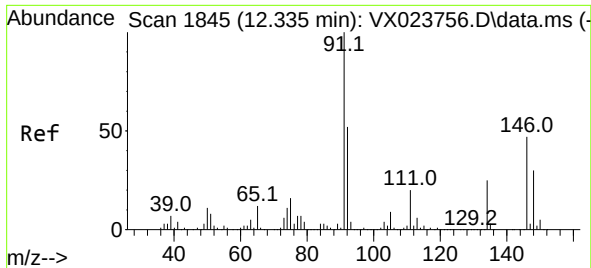
Tgt Ion: 75 Resp: 57084
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.860 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX023881.D
 Acq: 20 Aug 2021 16:46

Tgt Ion: 105 Resp: 5084
 Ion Ratio Lower Upper
 105 100
 120 51.2 22.4 67.3

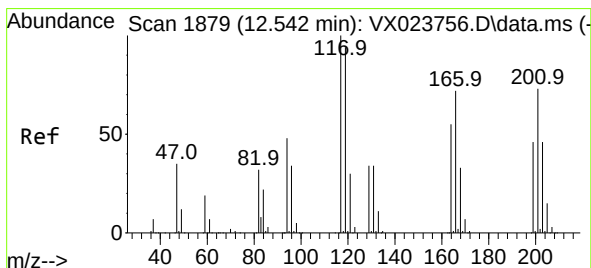
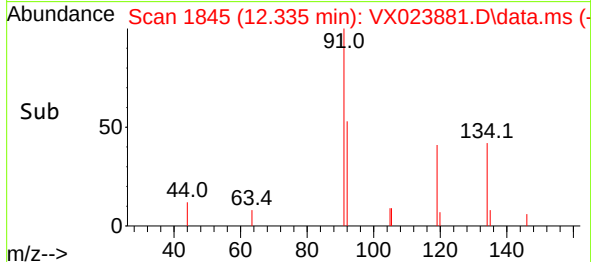
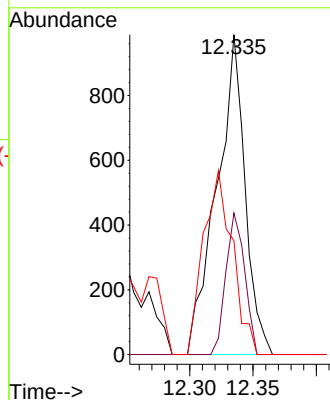
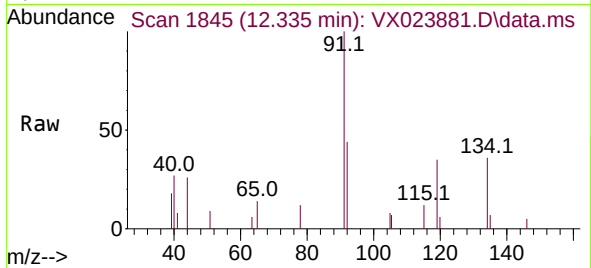




#89
n-Butylbenzene
Concen: 0.287 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

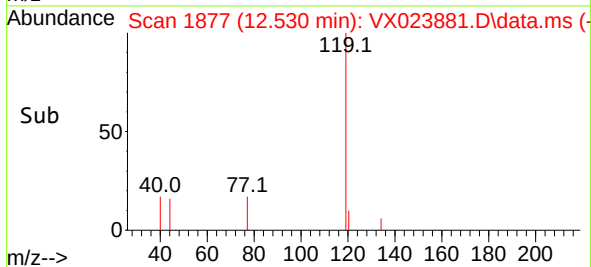
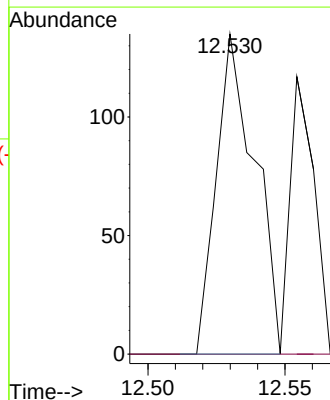
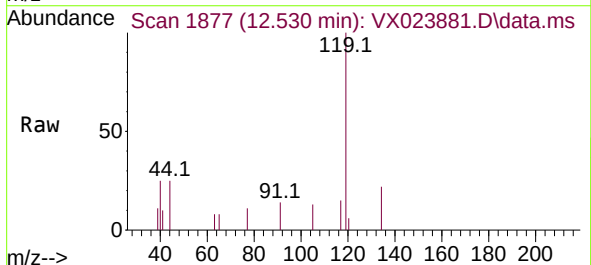
Instrument :
MSVOA_X
ClientSampled :

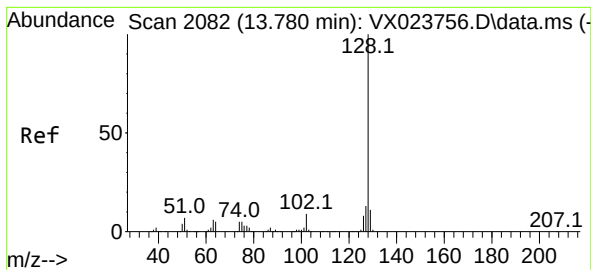
Tgt Ion: 91 Resp: 1537
Ion Ratio Lower Upper
91 100
92 29.3 27.4 82.0
134 58.9 13.2 39.5#



#90
Hexachloroethane
Concen: 1.589 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX023881.D
Acq: 20 Aug 2021 16:46

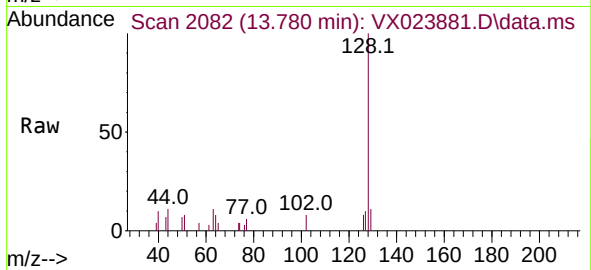
Tgt Ion: 117 Resp: 132
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
 Naphthalene
 Concen: 1.672 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX023881.D
 Acq: 20 Aug 2021 16:46

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	2768
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.3	15.5
129	12.9	8.8	13.2

