

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023772.D
 Acq On : 17 Aug 2021 18:51
 Operator : JC/MD
 Sample : M3389-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-18

Quant Time: Aug 18 06:12:03 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)

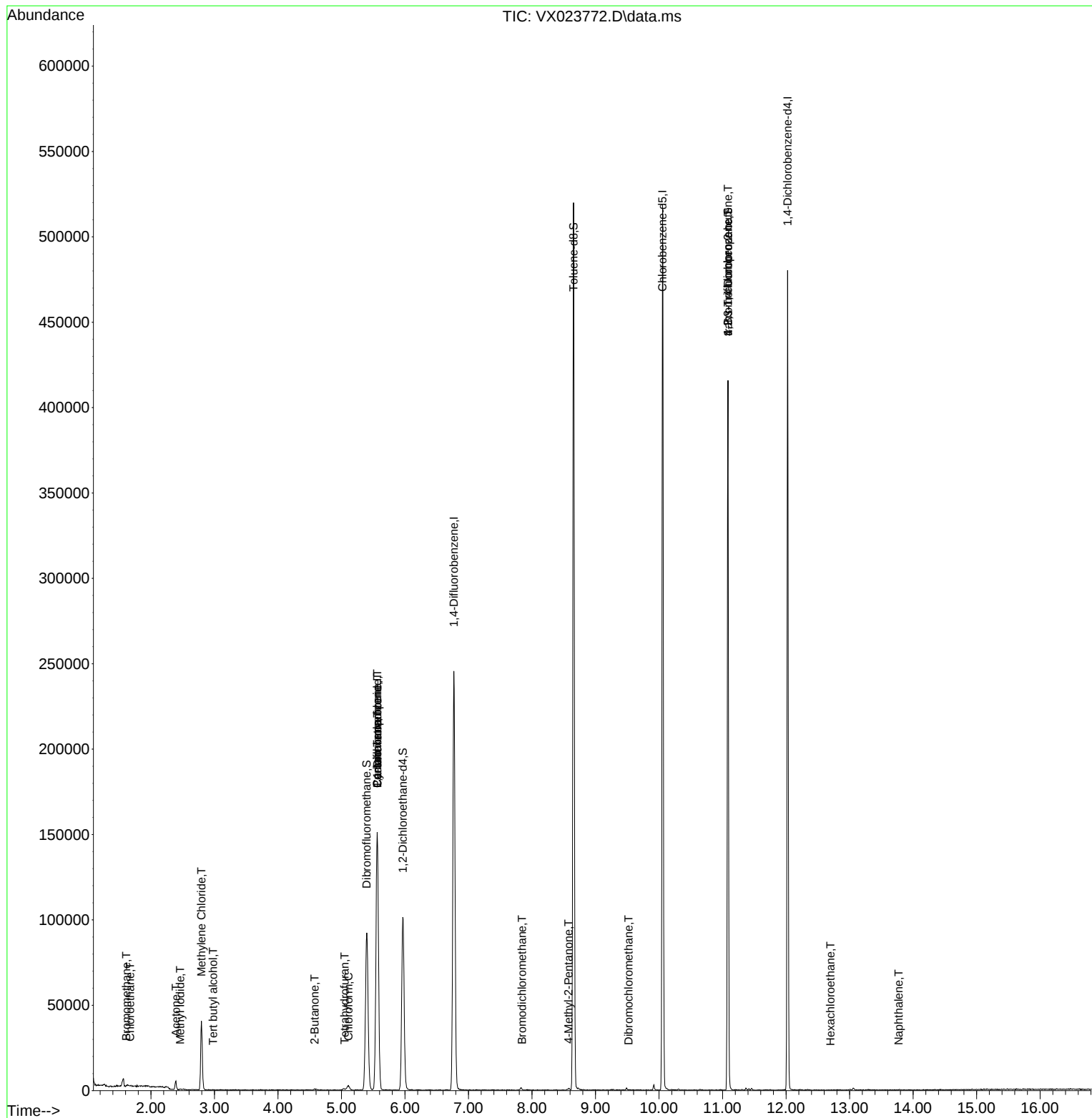
Internal Standards						
1) Pentafluorobenzene	5.562	168	142304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100153	50.427	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	100.860%	
35) Dibromofluoromethane	5.397	113	78772	48.323	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	96.640%	
50) Toluene-d8	8.653	98	299437	48.263	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.520%	
62) 4-Bromofluorobenzene	11.085	95	102047	44.680	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	89.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	628	0.621	ug/l #	55
6) Chloroethane	1.672	64	155	2.328	ug/l #	43
10) Methyl Iodide	2.459	142	546	0.275	ug/l #	89
11) Tert butyl alcohol	2.977	59	176	0.438	ug/l #	73
16) Acetone	2.392	43	5061	5.699	ug/l #	78
20) Methylene Chloride	2.794	84	17047	10.050	ug/l	87
25) 2-Butanone	4.574	43	439	0.326	ug/l #	85
29) Tetrahydrofuran	5.050	42	711	0.816	ug/l #	53
30) Chloroform	5.111	83	3094	1.047	ug/l #	82
31) Cyclohexane	5.562	56	3189	1.250	ug/l #	4
36) 1,1-Dichloropropene	5.562	75	11571	5.073	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14427	6.066	ug/l #	17
47) Bromodichloromethane	7.842	83	974	0.432	ug/l #	65
51) 4-Methyl-2-Pentanone	8.574	43	617	0.218	ug/l	93
60) Dibromochloromethane	9.519	129	195	1.783	ug/l	77
76) 1,2,3-Trichloropropane	11.085	75	55913	25.429	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55913	74.800	ug/l #	12
90) Hexachloroethane	12.701	117	29	1.493	ug/l #	9
95) Naphthalene	13.774	128	406	1.340	ug/l #	79

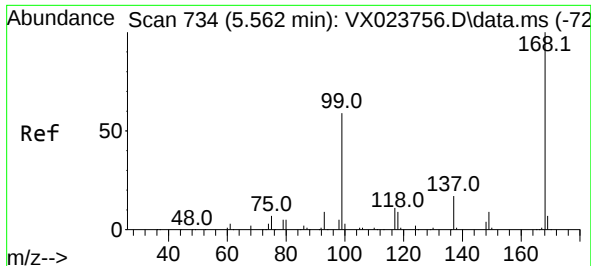
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 06:12:03 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

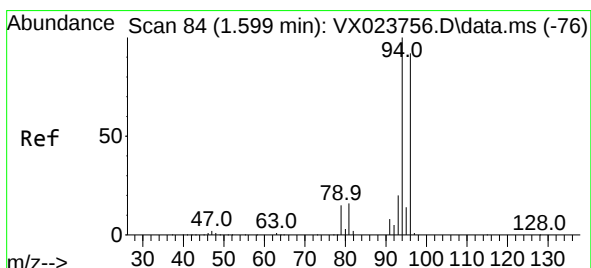
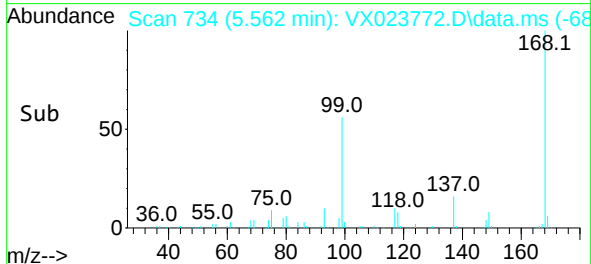
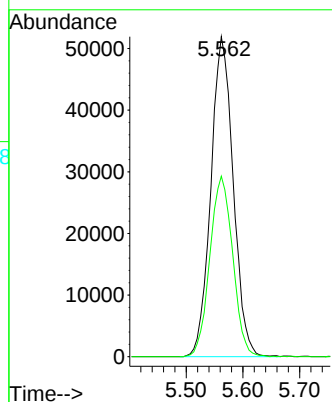
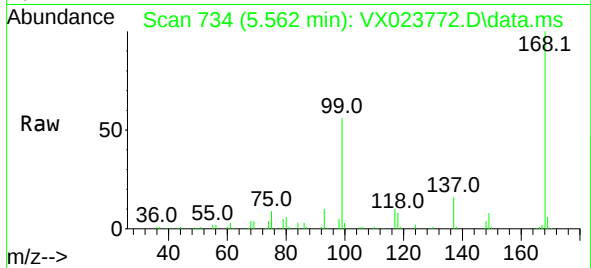




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

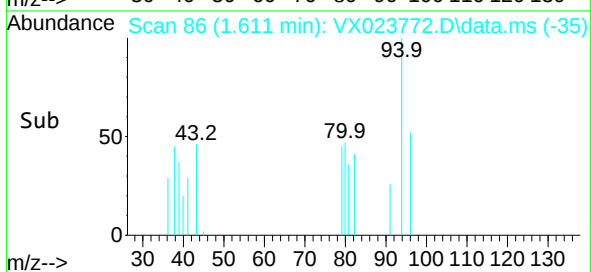
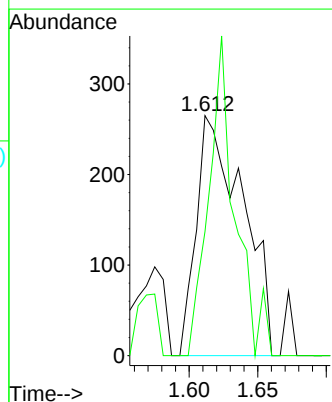
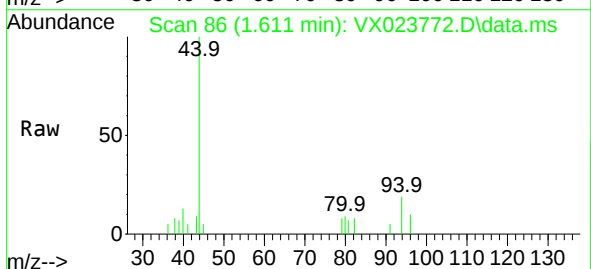
Instrument :
MSVOA_X
ClientSampled :
CRT-18

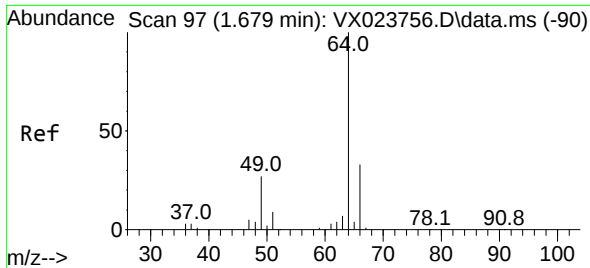
Tgt Ion:168 Resp: 142304
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#5
Bromomethane
Concen: 0.621 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 51.7 76.4 114.6#

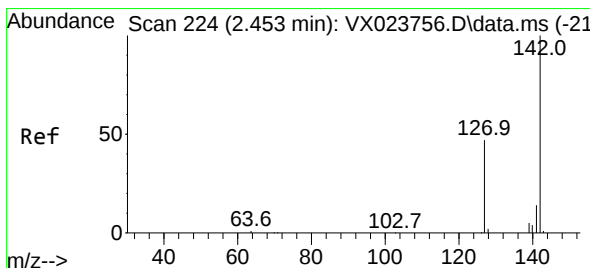
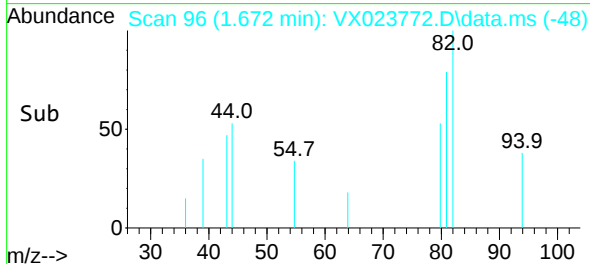
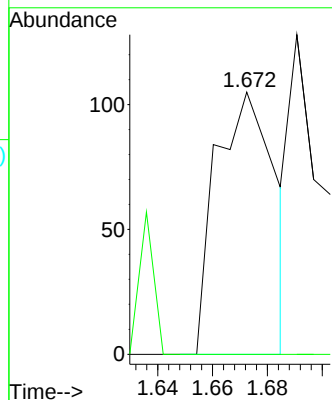
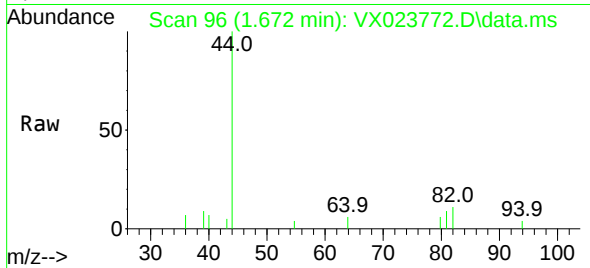




#6
Chloroethane
Concen: 2.328 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

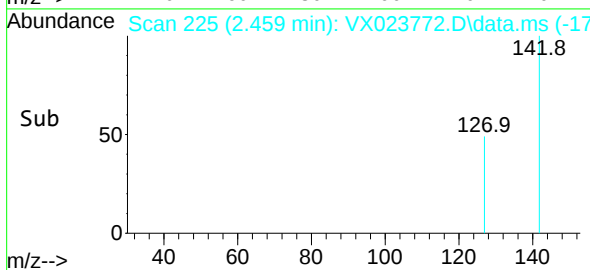
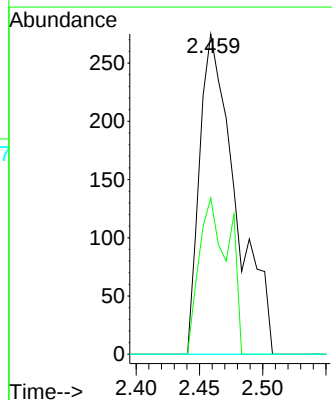
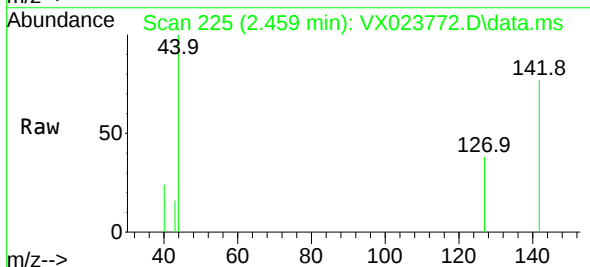
Instrument :
MSVOA_X
ClientSampleId :
CRT-18

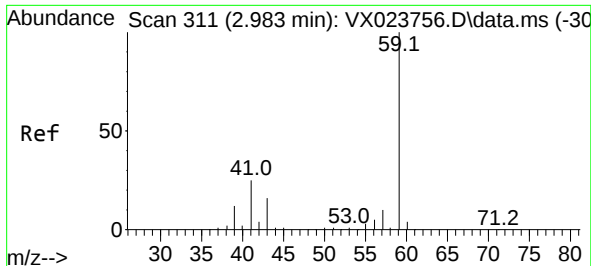
Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.275 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 142 Resp: 546
Ion Ratio Lower Upper
142 100
127 39.9 33.3 49.9
141 0.0 11.4 17.0#

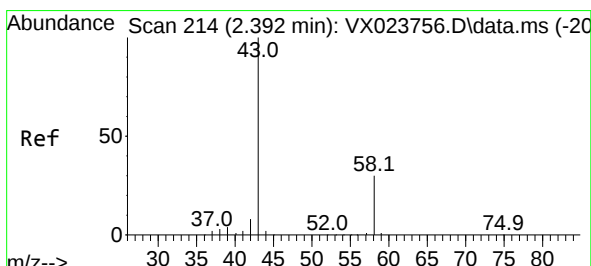
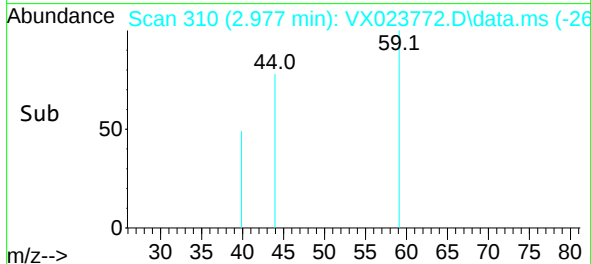
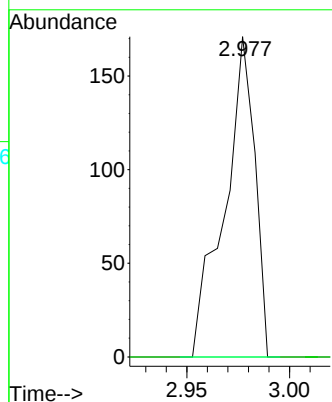
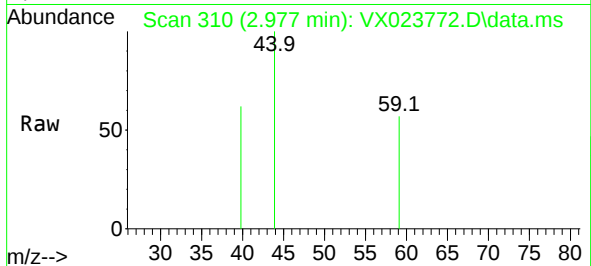




#11
Tert butyl alcohol
Concen: 0.438 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

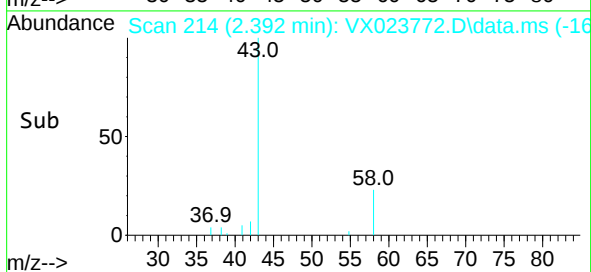
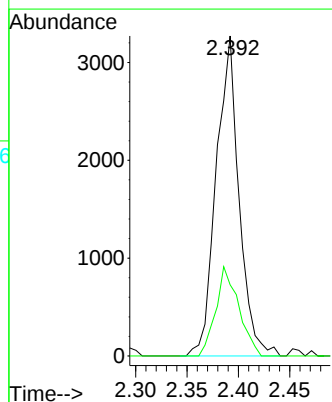
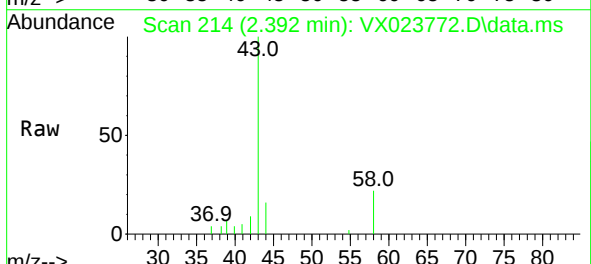
Instrument :
MSVOA_X
ClientSampled :
CRT-18

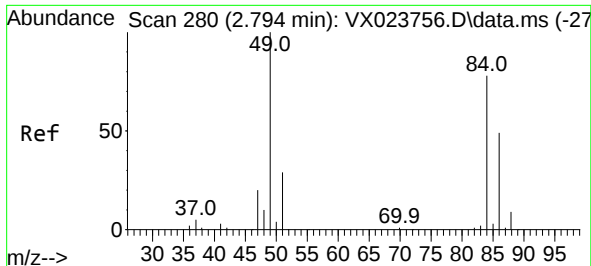
Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 5.699 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

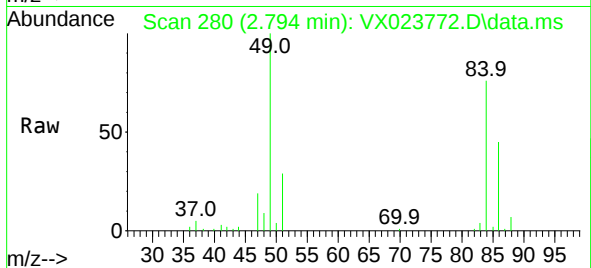
Tgt Ion: 43 Resp: 5061
Ion Ratio Lower Upper
43 100
58 22.3 27.8 41.8#



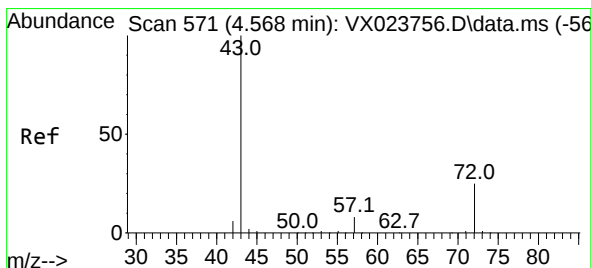
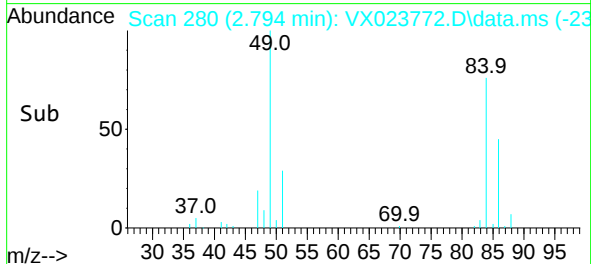
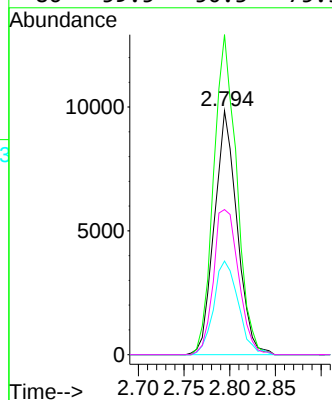


#20
Methylene Chloride
Concen: 10.050 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Instrument :
MSVOA_X
ClientSampleId :
CRT-18

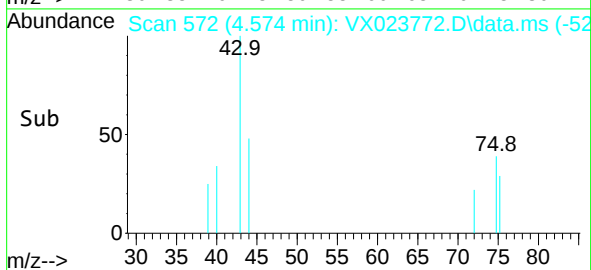
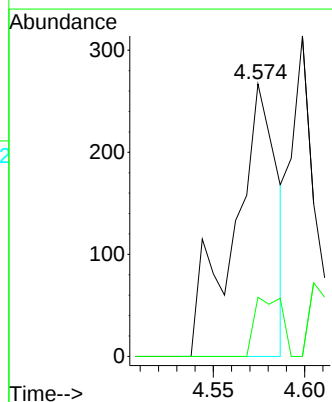
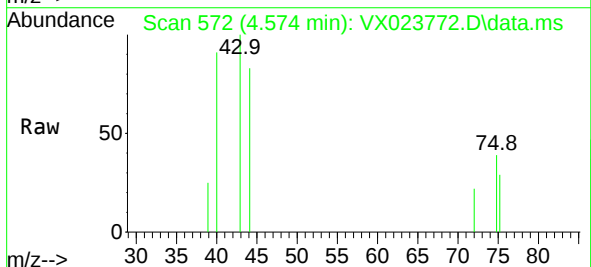


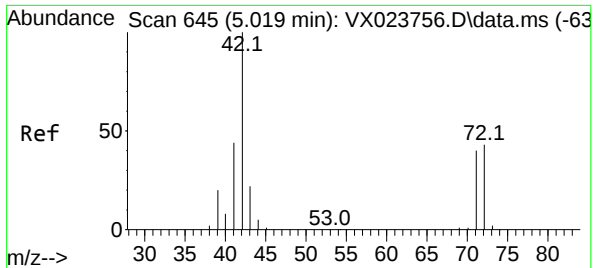
Tgt Ion:	84	Resp:	17047
Ion	Ratio	Lower	Upper
84	100		
49	131.2	88.6	132.8
51	38.4	27.0	40.6
86	59.5	50.3	75.5



#25
2-Butanone
Concen: 0.326 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion:	43	Resp:	439
Ion	Ratio	Lower	Upper
43	100		
72	21.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.816 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX023772.D

Acq: 17 Aug 2021 18:51

Tgt Ion: 42 Resp: 711

Ion Ratio Lower Upper

42 100

72 8.7 41.7 62.5#

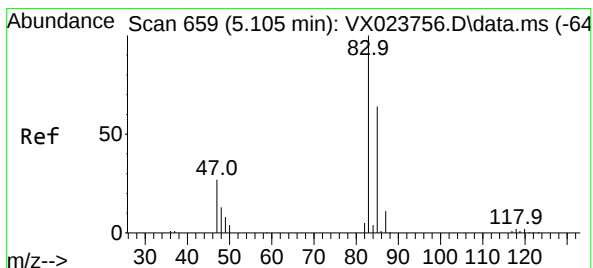
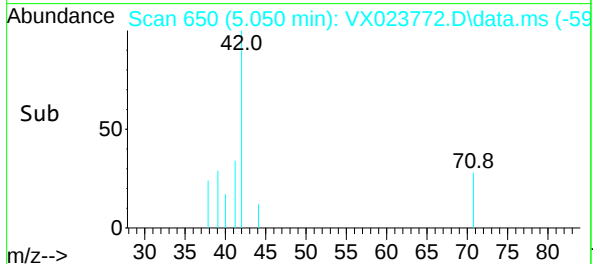
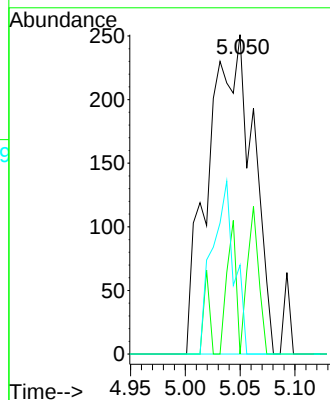
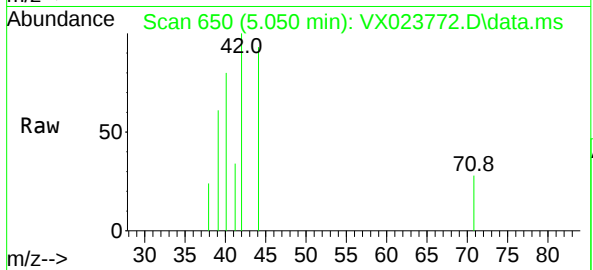
71 26.9 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

CRT-18



#30

Chloroform

Concen: 1.047 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX023772.D

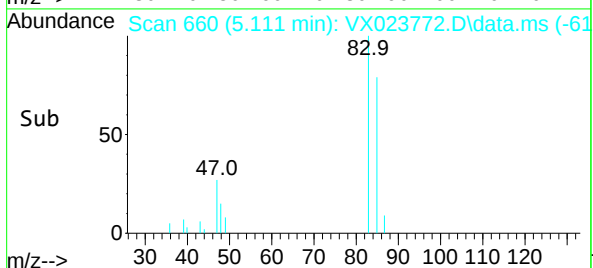
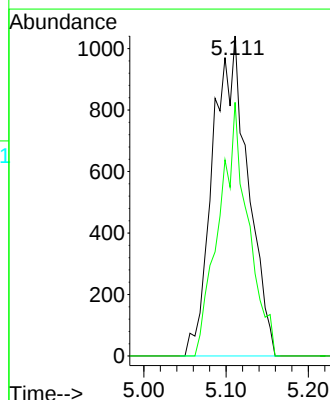
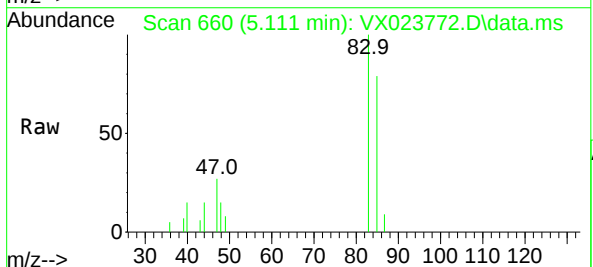
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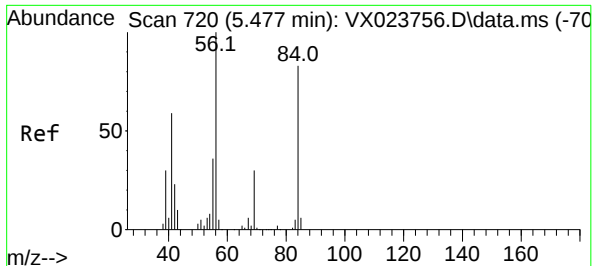
Tgt Ion: 83 Resp: 3094

Ion Ratio Lower Upper

83 100

85 79.3 52.0 78.0#

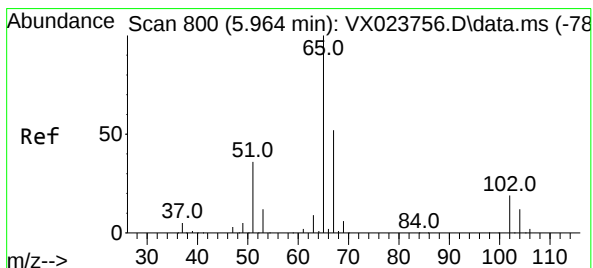
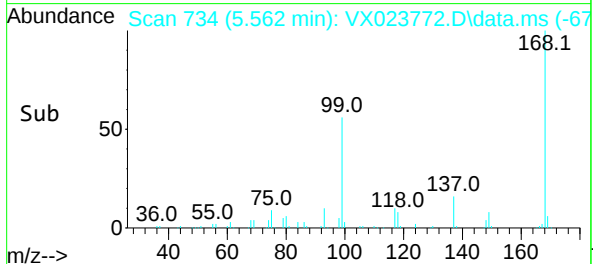
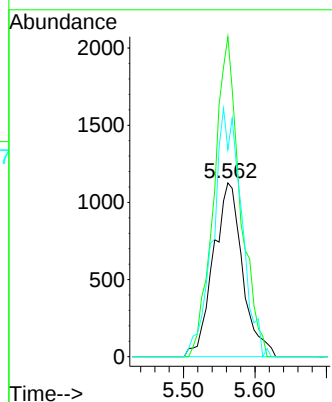
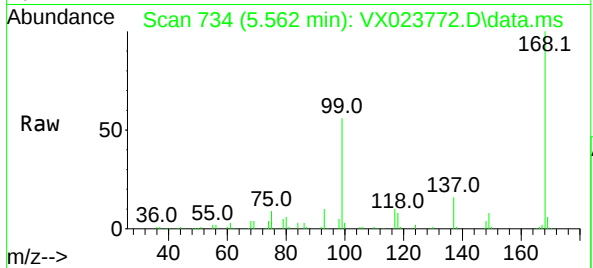




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

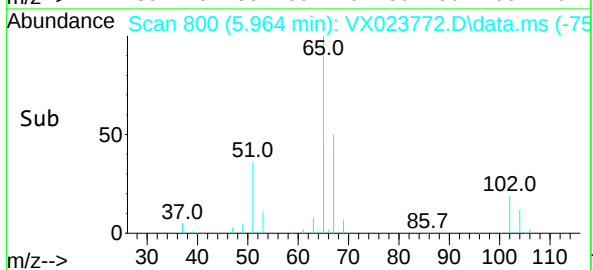
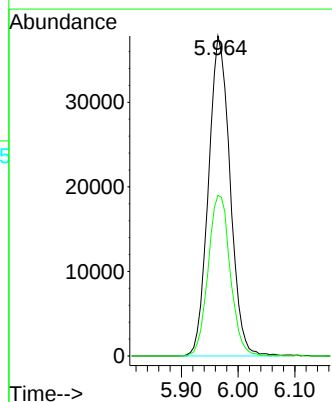
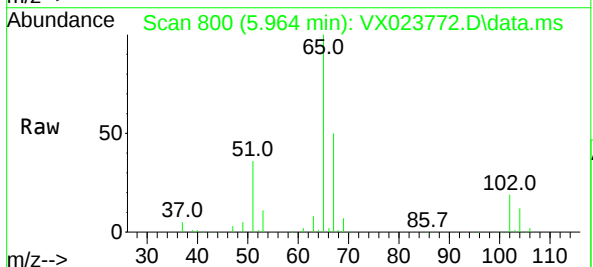
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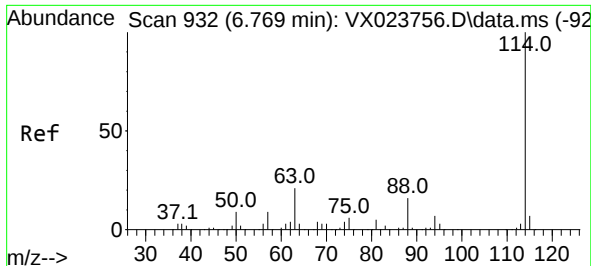
Tgt Ion: 56 Resp: 3189
Ion Ratio Lower Upper
56 100
69 184.2 25.3 37.9#
84 119.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.427 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 65 Resp: 100153
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

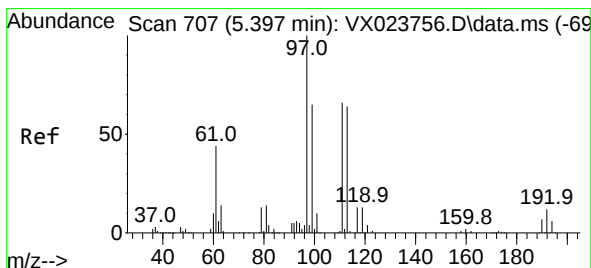
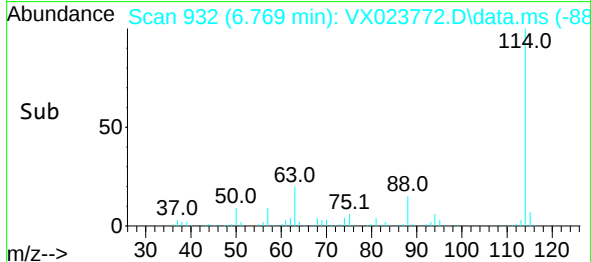
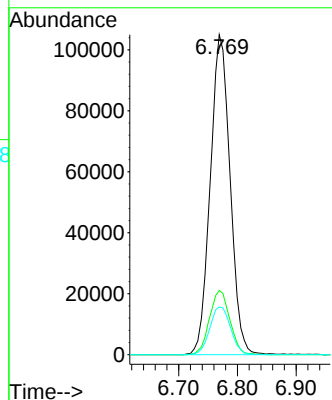
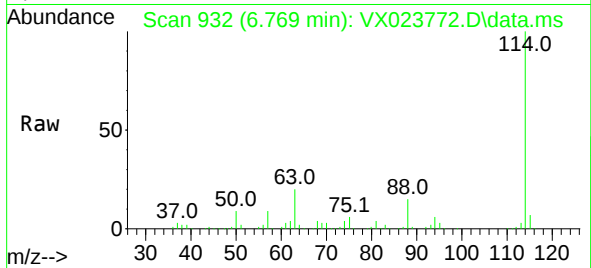




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

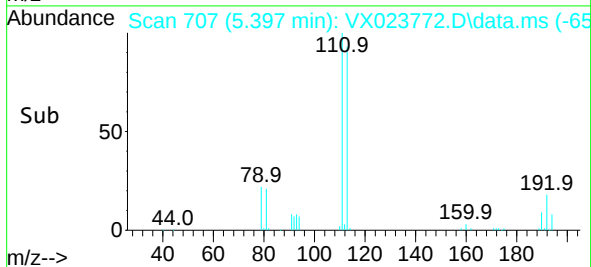
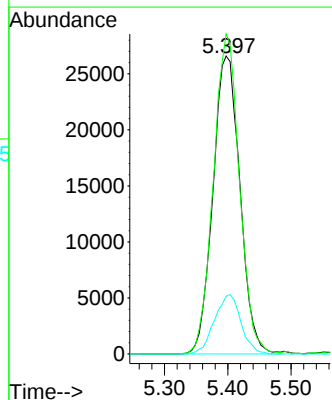
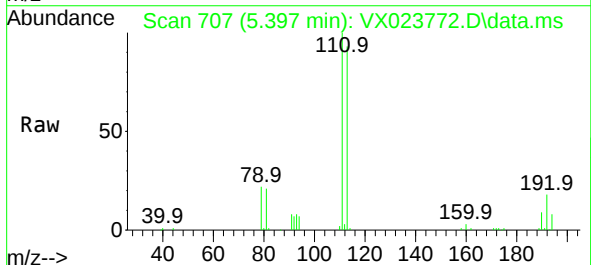
Instrument :
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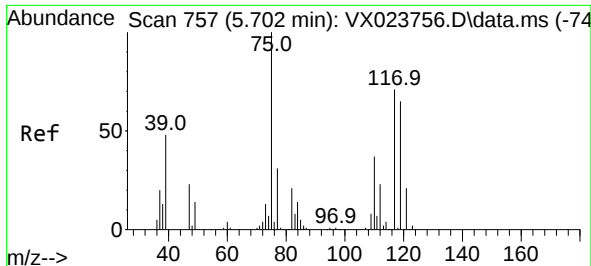
Tgt Ion:114 Resp: 246287
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 14.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.323 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion:113 Resp: 78772
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 5.562 min Scan# 734

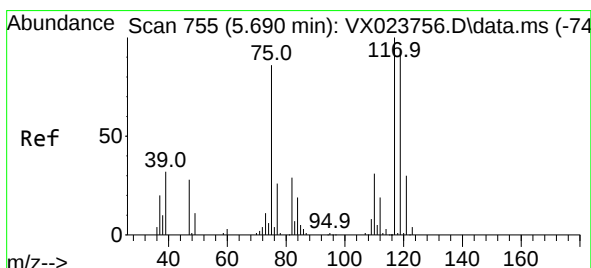
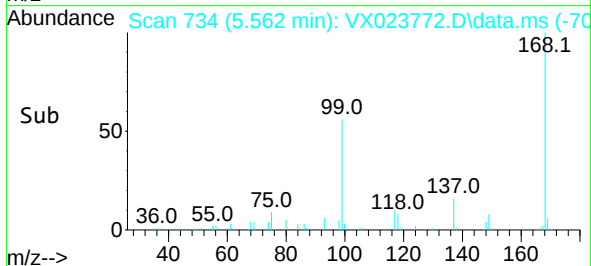
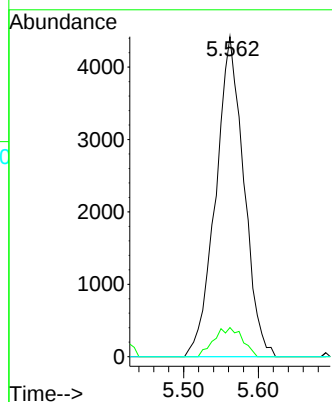
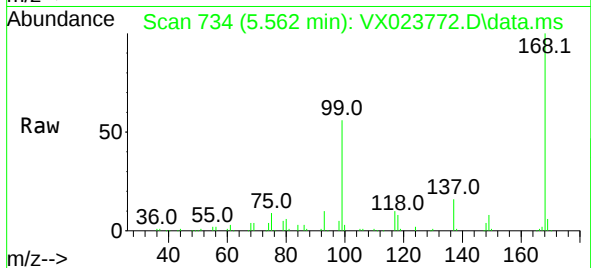
Delta R.T. -0.140 min

Lab File: VX023772.D

Acq: 17 Aug 2021 18:51

Tgt Ion:	75	Resp:	11571
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :
CRT-18



#38

Carbon Tetrachloride

Concen: 6.066 ug/l

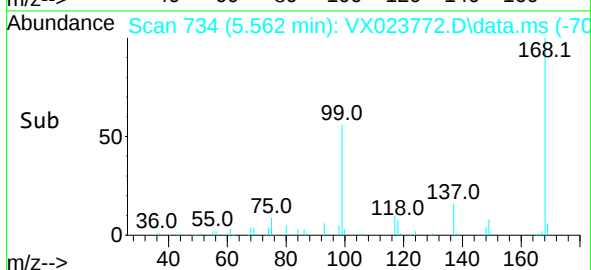
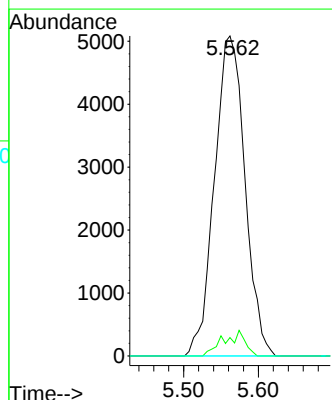
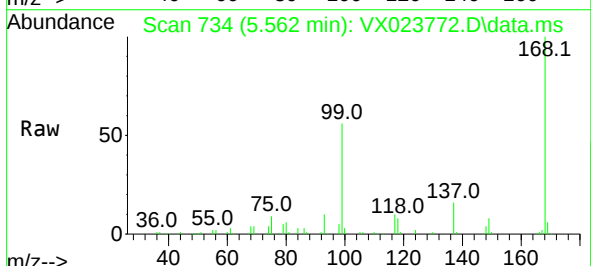
RT: 5.562 min Scan# 734

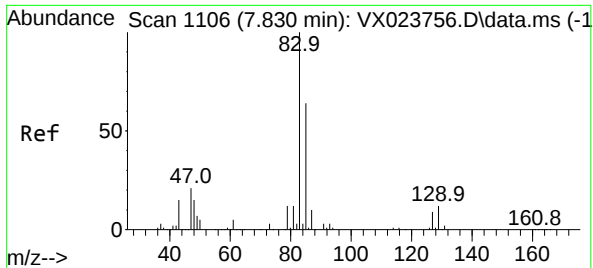
Delta R.T. -0.128 min

Lab File: VX023772.D

Acq: 17 Aug 2021 18:51

Tgt Ion:	117	Resp:	14427
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#

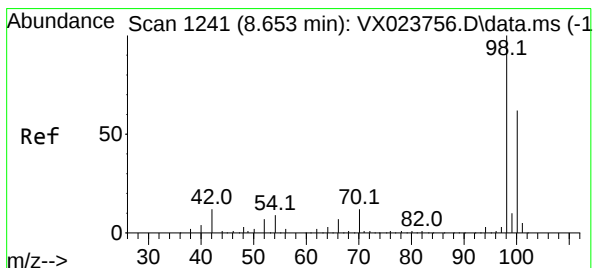
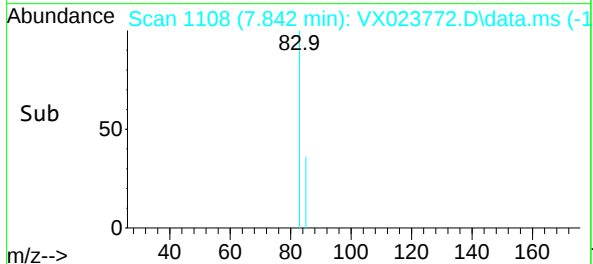
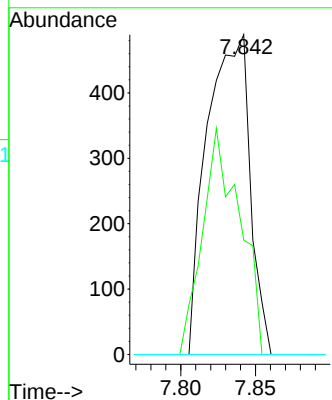
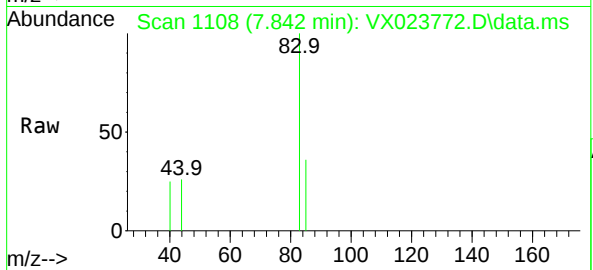




#47
Bromodichloromethane
Concen: 0.432 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.012 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

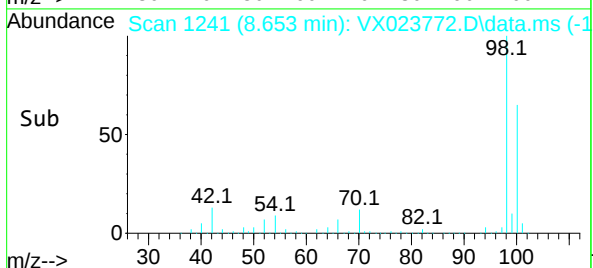
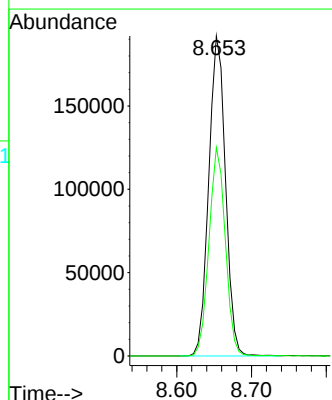
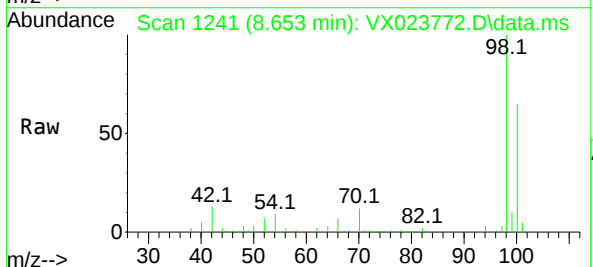
Instrument :
MSVOA_X
ClientSampleId :
CRT-18

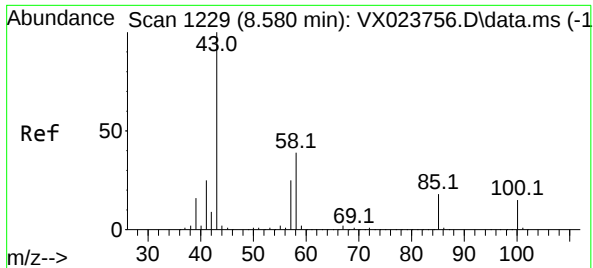
Tgt Ion: 83 Resp: 974
Ion Ratio Lower Upper
83 100
85 35.8 51.4 77.0#
127 0.0 6.8 10.2#



#50
Toluene-d8
Concen: 48.263 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 98 Resp: 299437
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

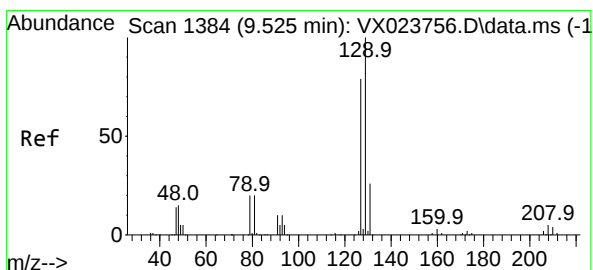
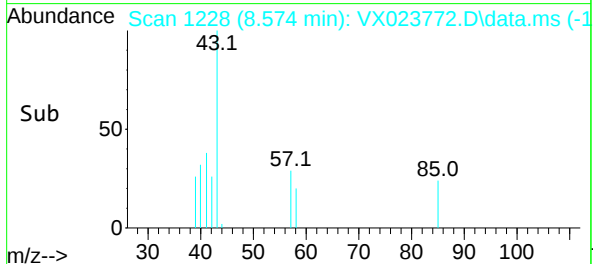
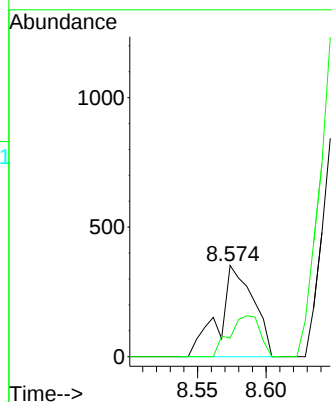
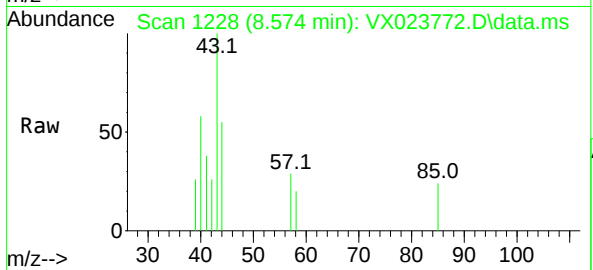




#51
4-Methyl-2-Pentanone
Concen: 0.218 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

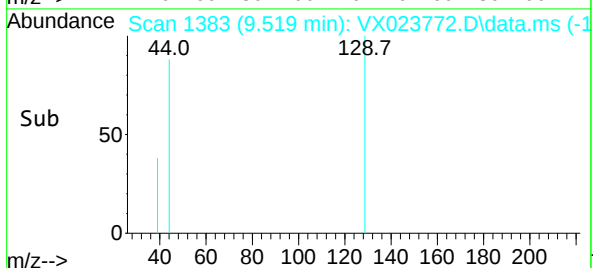
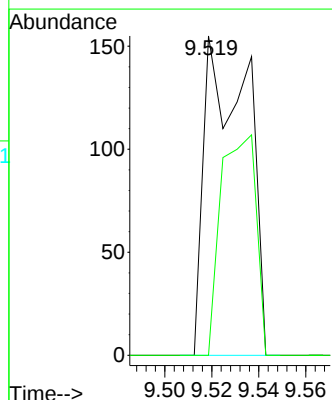
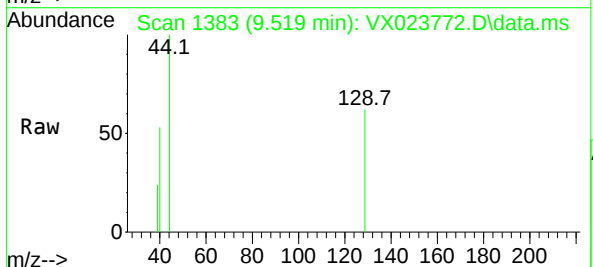
Instrument :
MSVOA_X
ClientSampleId :
CRT-18

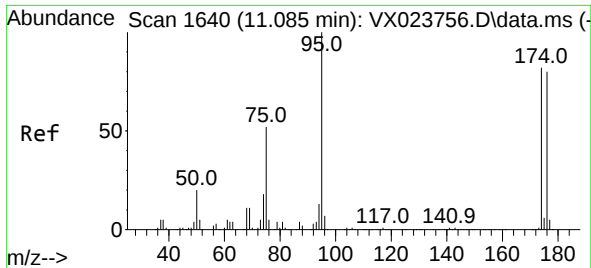
Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
58 39.4 35.4 53.0



#60
Dibromochloromethane
Concen: 1.783 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 129 Resp: 195
Ion Ratio Lower Upper
129 100
127 56.9 38.4 115.2

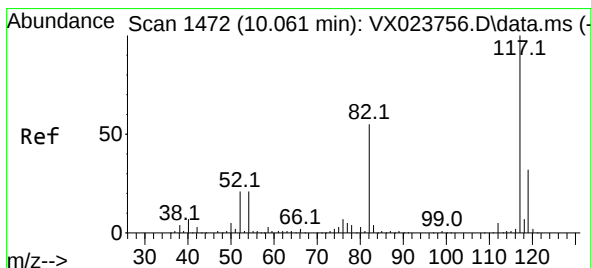
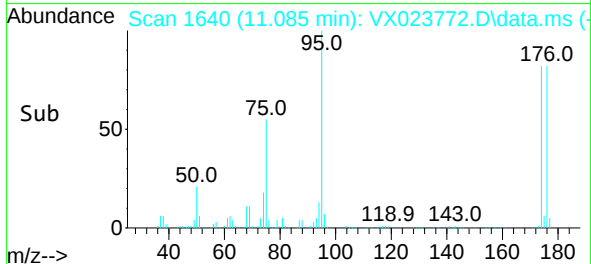
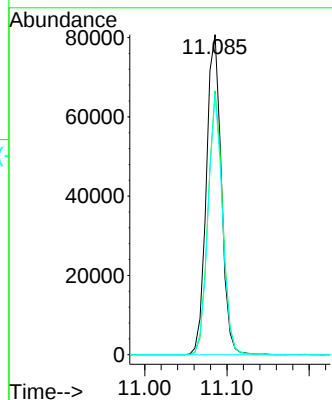
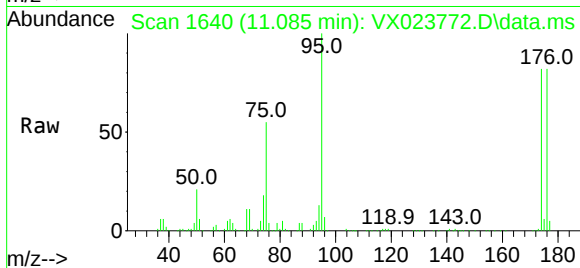




#62
4-Bromofluorobenzene
Concen: 44.680 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

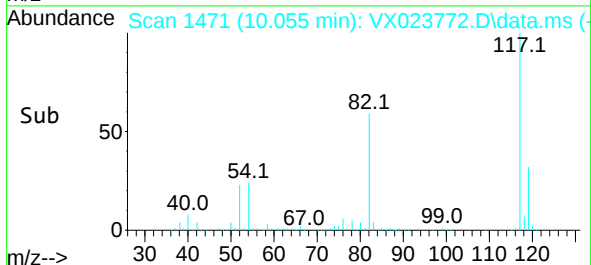
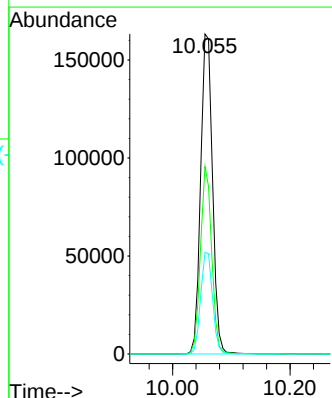
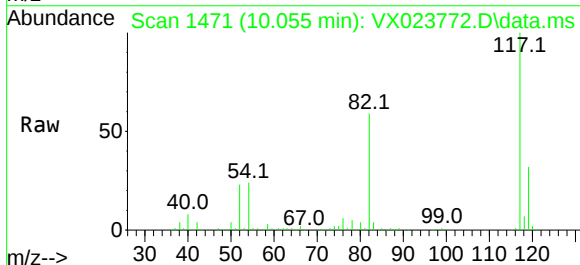
Instrument :
MSVOA_X
ClientSampleId :
CRT-18

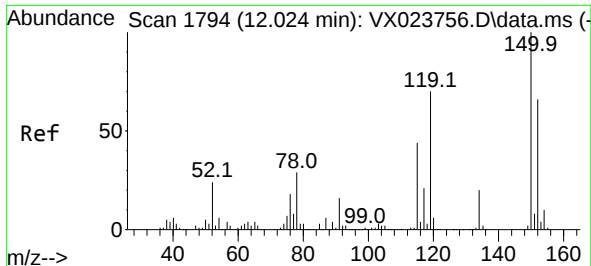
Tgt Ion: 95 Resp: 102047
Ion Ratio Lower Upper
95 100
174 80.7 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Tgt Ion: 117 Resp: 228340
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.8 26.6 39.8

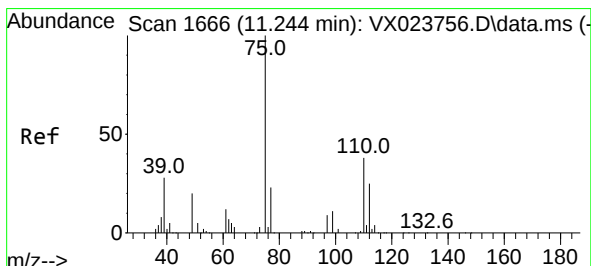
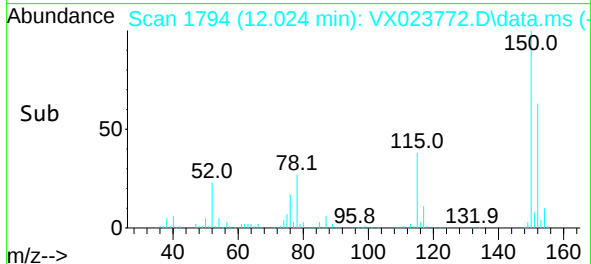
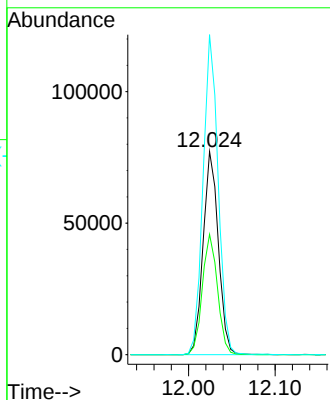
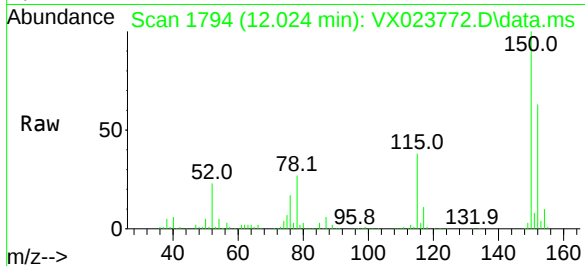




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023772.D
 Acq: 17 Aug 2021 18:51

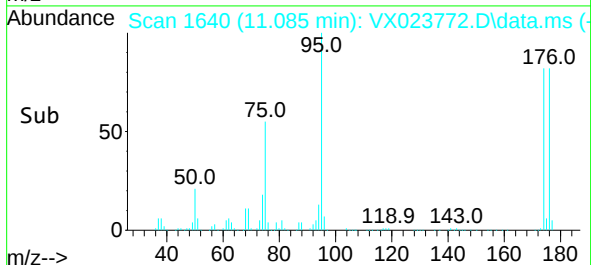
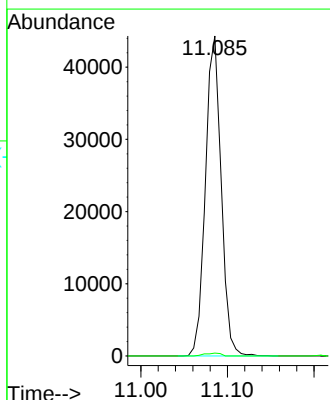
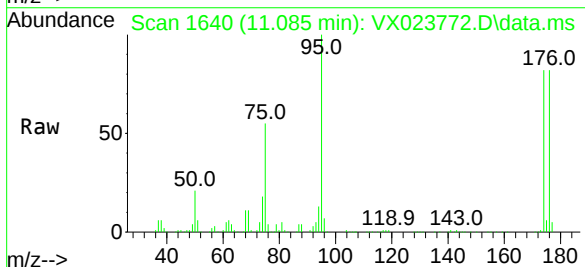
Instrument :
 MSVOA_X
 ClientSampled :
 CRT-18

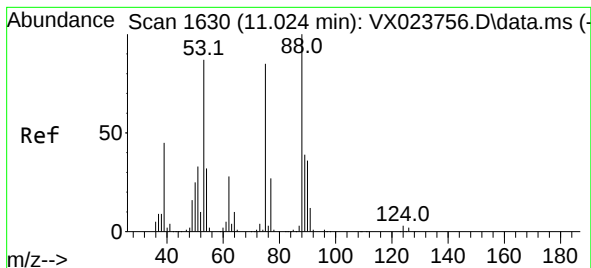
Tgt Ion:152 Resp: 94258
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 156.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.429 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023772.D
 Acq: 17 Aug 2021 18:51

Tgt Ion: 75 Resp: 55913
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

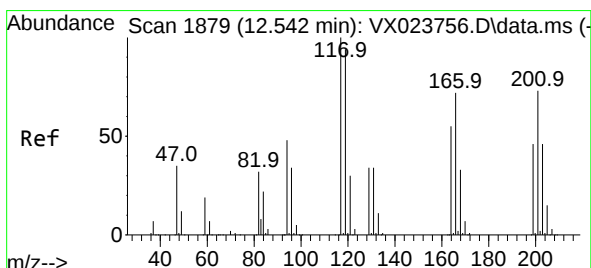
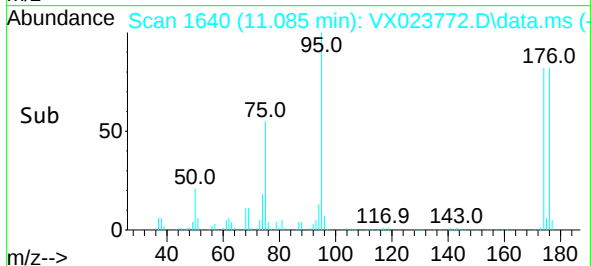
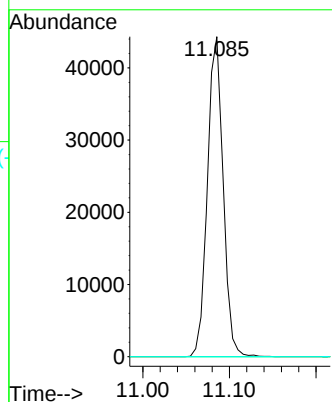
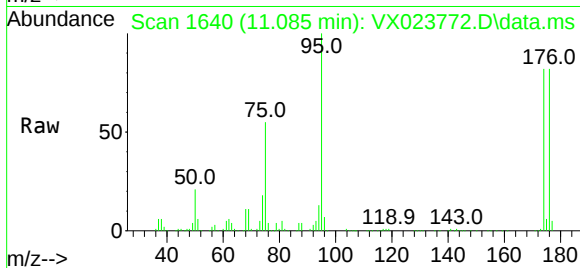




#81
trans-1,4-Dichloro-2-butene
Concen: 74.800 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

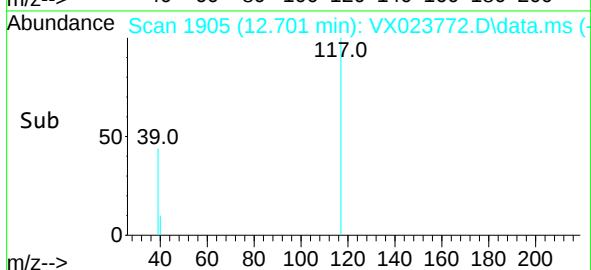
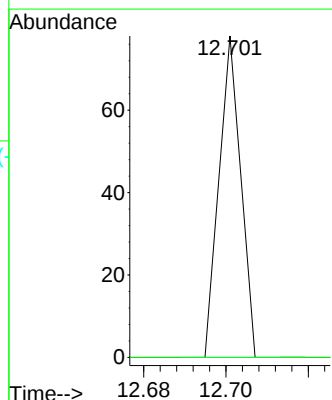
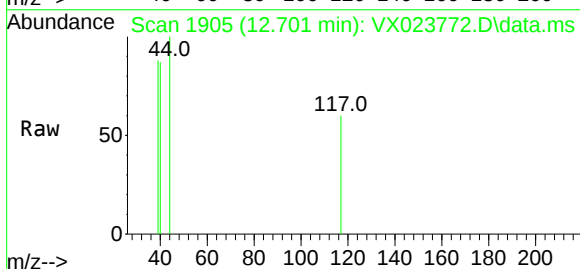
Instrument :
MSVOA_X
ClientSampleId :
CRT-18

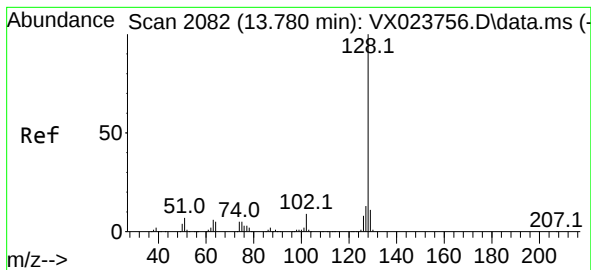
Tgt Ion: 75 Resp: 55913
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.493 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

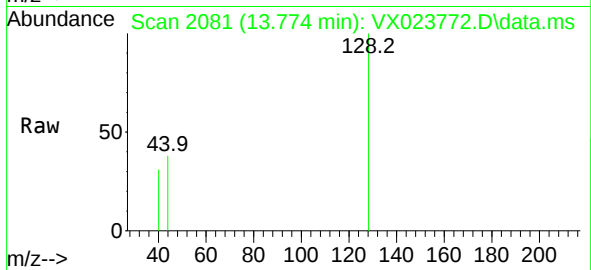
Tgt Ion: 117 Resp: 29
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.340 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023772.D
Acq: 17 Aug 2021 18:51

Instrument :
MSVOA_X
ClientSampleId :
CRT-18



Tgt Ion:128 Resp: 406
Ion Ratio Lower Upper
128 100
127 18.7 10.3 15.5#
129 0.0 8.8 13.2#

