

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023771.D
 Acq On : 17 Aug 2021 18:27
 Operator : JC/MD
 Sample : M3389-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CRT-21

Quant Time: Aug 18 06:11:45 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)

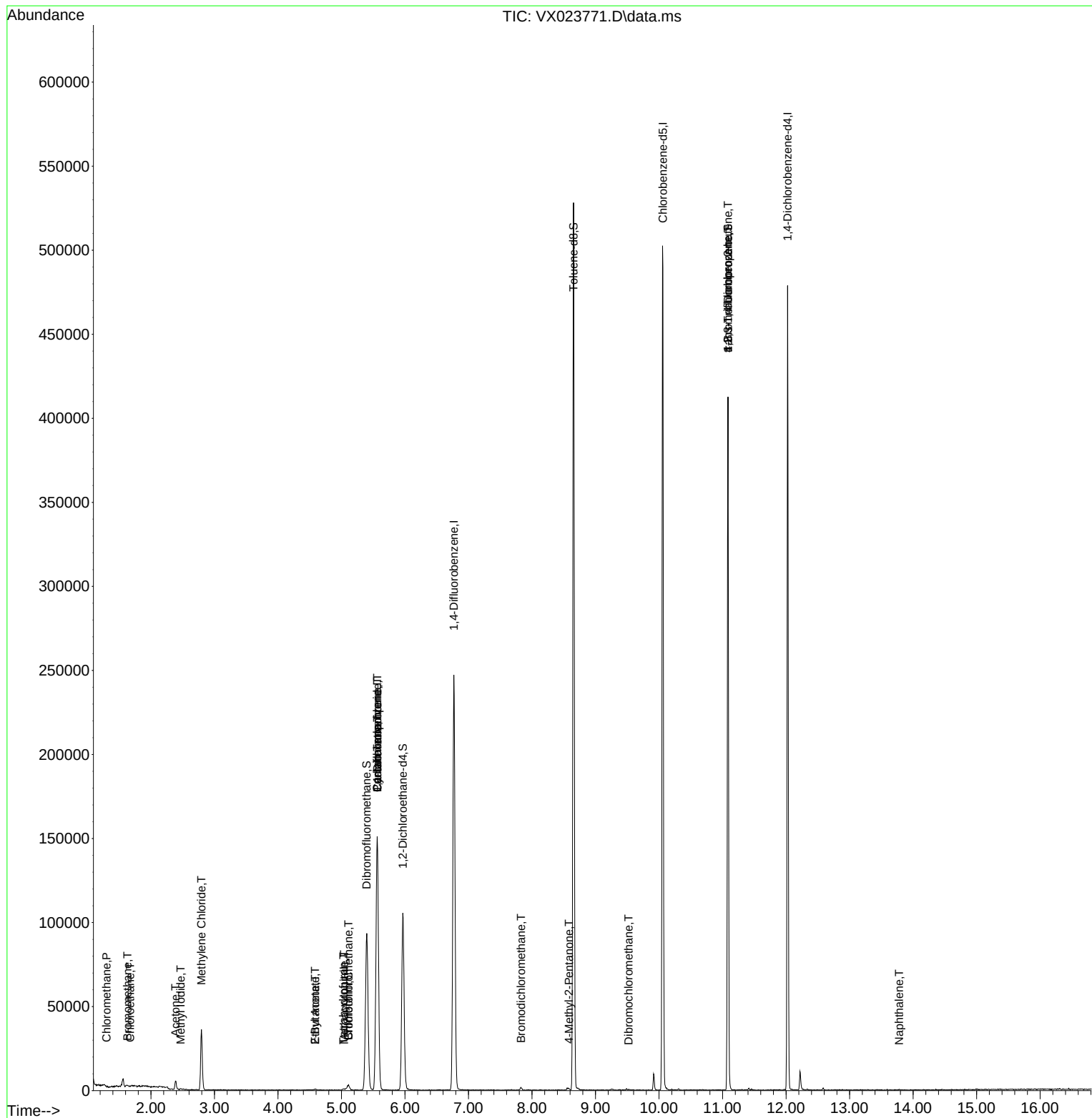
Internal Standards						
1) Pentafluorobenzene	5.562	168	141229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	225133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101446	51.466	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.940%
35) Dibromofluoromethane	5.397	113	78884	48.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.720%
50) Toluene-d8	8.653	98	298282	48.543	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.080%
62) 4-Bromofluorobenzene	11.085	95	102239	45.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	377	0.230	ug/l	100
5) Bromomethane	1.630	94	703	0.701	ug/l #	47
6) Chloroethane	1.672	64	192	2.355	ug/l #	43
10) Methyl Iodide	2.465	142	745	0.377	ug/l #	44
16) Acetone	2.386	43	5750	6.524	ug/l #	83
20) Methylene Chloride	2.794	84	15401	9.148	ug/l	88
25) 2-Butanone	4.586	43	877	0.657	ug/l #	85
28) Bromochloromethane	5.111	49	323	0.257	ug/l #	9
29) Tetrahydrofuran	5.031	42	385	0.445	ug/l	90
30) Chloroform	5.111	83	3464	1.182	ug/l	92
31) Cyclohexane	5.562	56	3178	1.255	ug/l #	41
36) 1,1-Dichloropropene	5.562	75	11219	4.967	ug/l #	49
37) Ethyl Acetate	4.586	43	877	0.316	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14600	6.198	ug/l #	15
41) Methacrylonitrile	5.044	41	427	0.284	ug/l #	39
47) Bromodichloromethane	7.830	83	1090	0.488	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	1028	0.366	ug/l #	73
60) Dibromochloromethane	9.518	129	312	1.841	ug/l #	50
76) 1,2,3-Trichloropropane	11.085	75	54608	25.259	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54608	74.300	ug/l #	12
95) Naphthalene	13.780	128	271	1.321	ug/l #	69

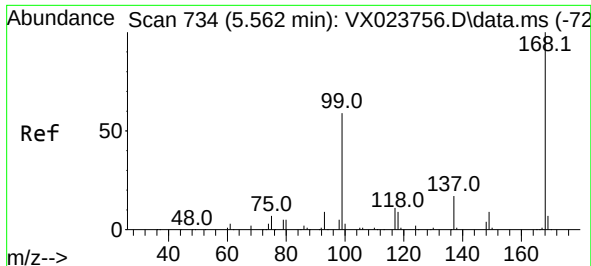
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
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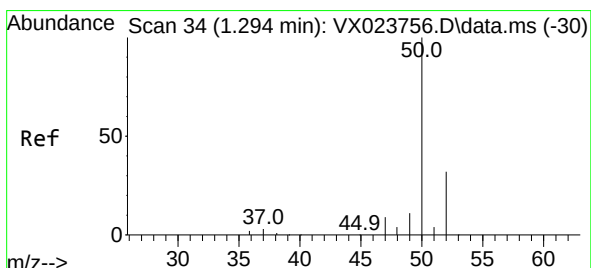
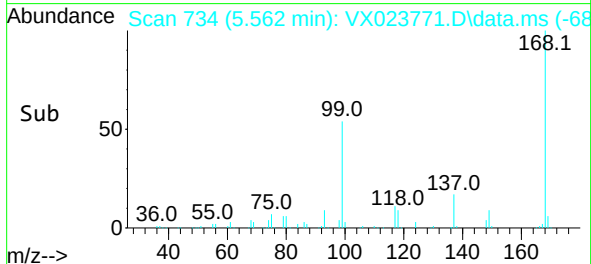
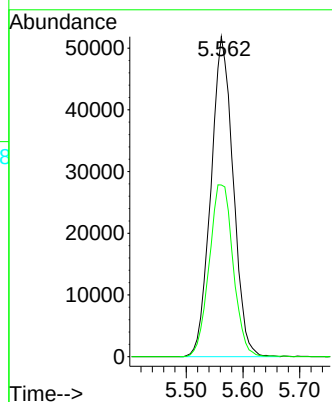
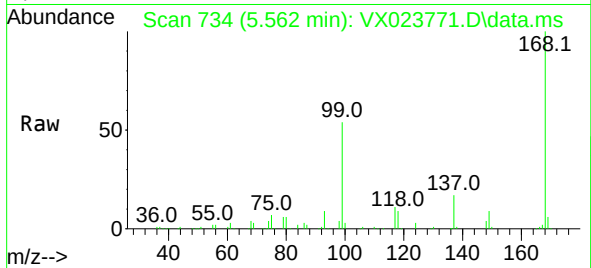




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

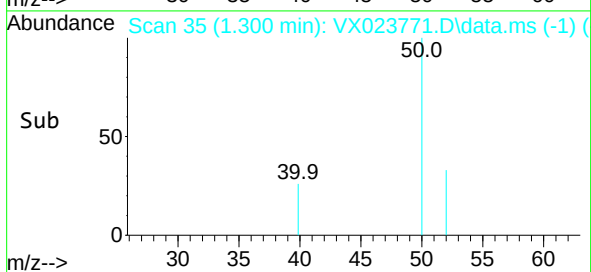
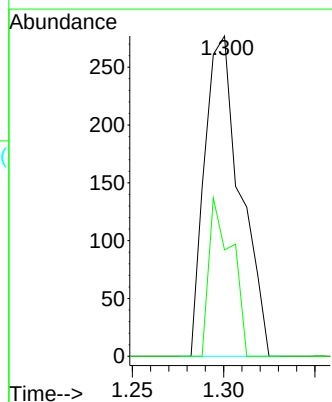
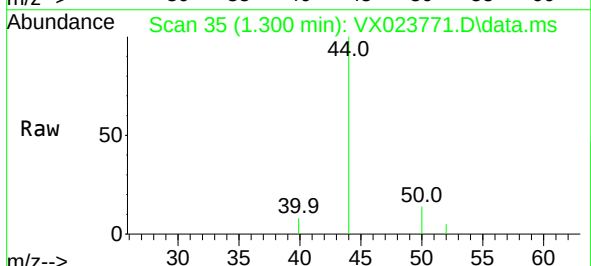
Instrument :
MSVOA_X
ClientSampleId :
CRT-21

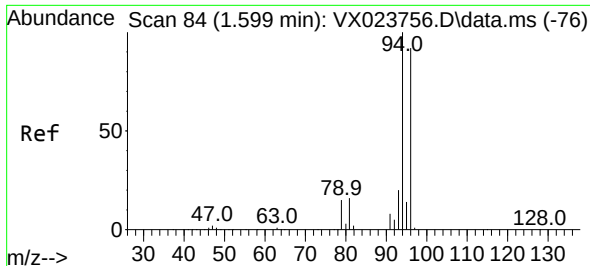
Tgt Ion:168 Resp: 141229
Ion Ratio Lower Upper
168 100
99 53.7 45.8 68.6



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 33.2 26.4 39.6

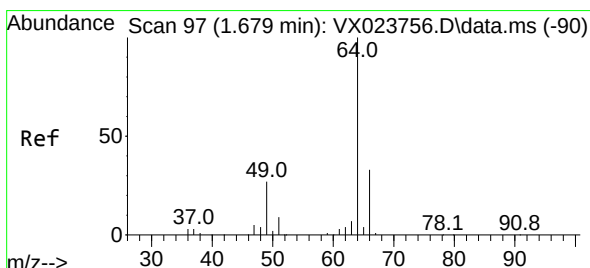
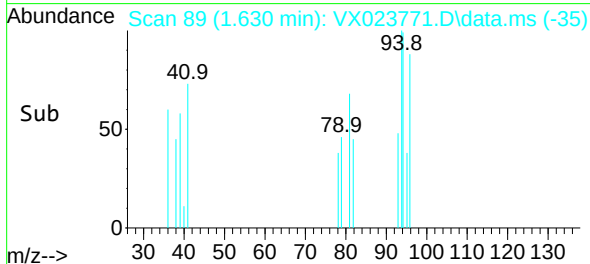
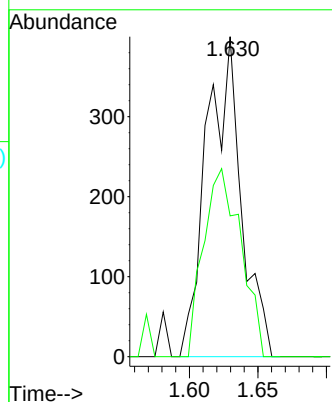
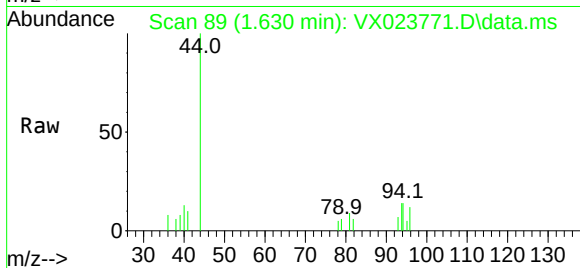




#5
Bromomethane
Concen: 0.701 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

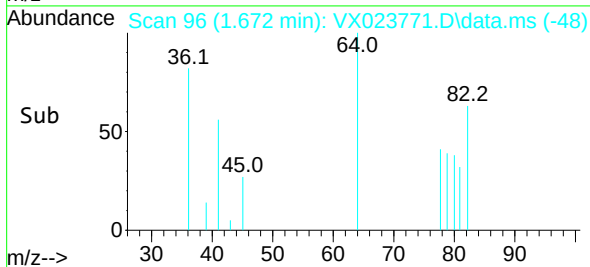
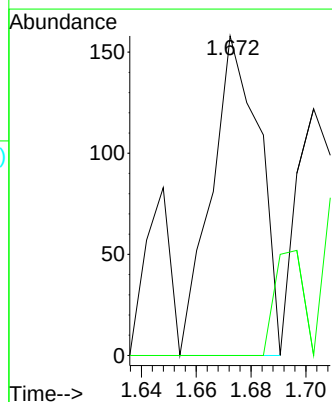
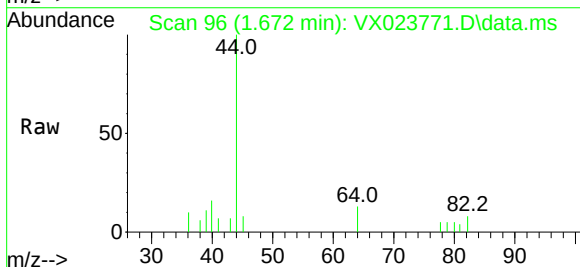
Instrument :
MSVOA_X
ClientSampled :
CRT-21

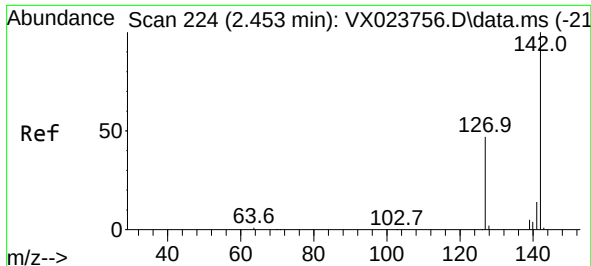
Tgt Ion: 94 Resp: 703
Ion Ratio Lower Upper
94 100
96 44.0 76.4 114.6#



#6
Chloroethane
Concen: 2.355 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

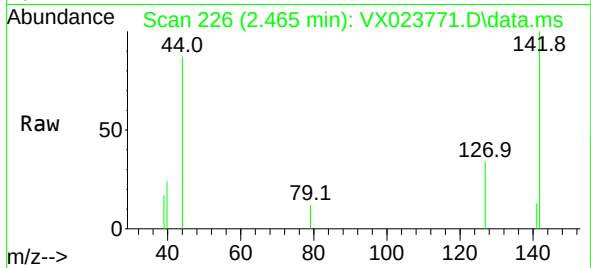
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



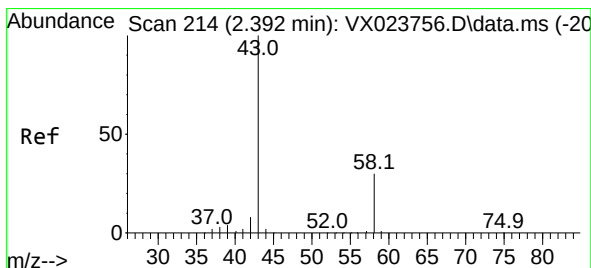
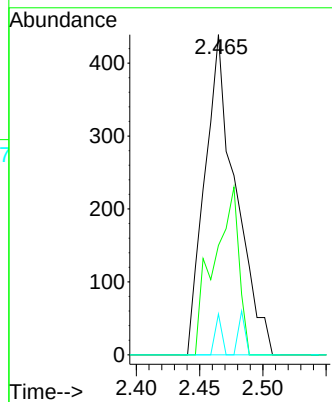
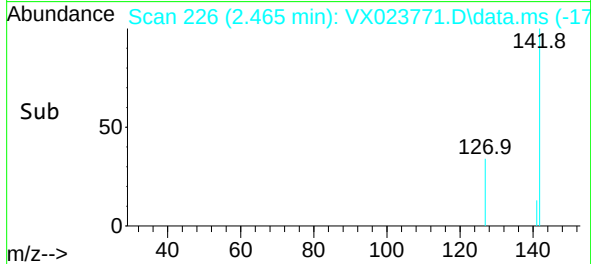


#10
Methyl Iodide
Concen: 0.377 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

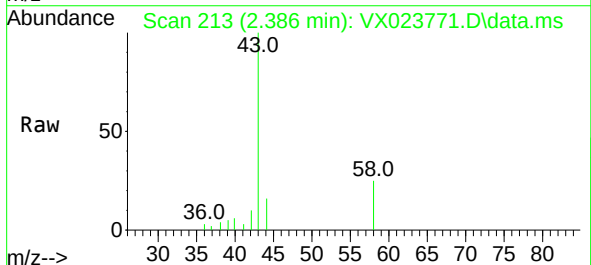
Instrument :
MSVOA_X
ClientSampleId :
CRT-21



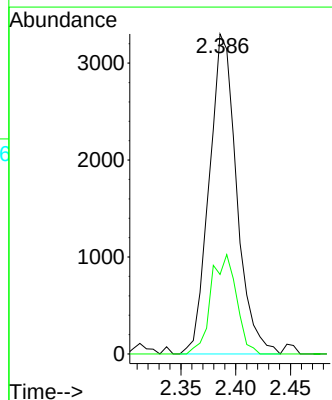
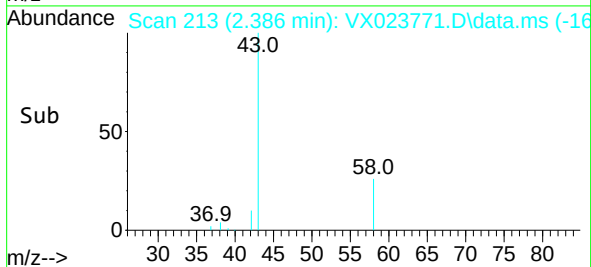
Tgt Ion:142 Resp: 745
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 2.7 11.4 17.0#

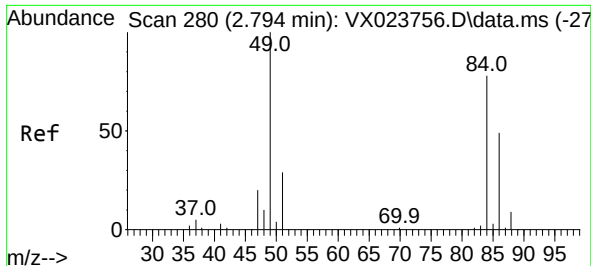


#16
Acetone
Concen: 6.524 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27



Tgt Ion: 43 Resp: 5750
Ion Ratio Lower Upper
43 100
58 24.8 27.8 41.8#

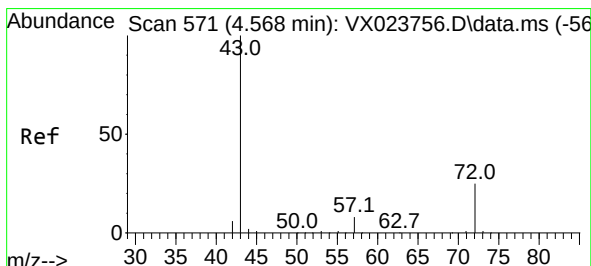
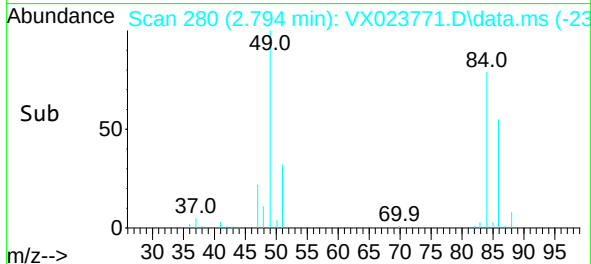
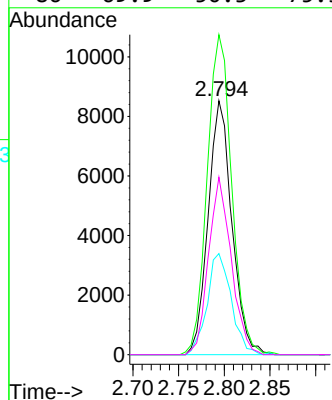
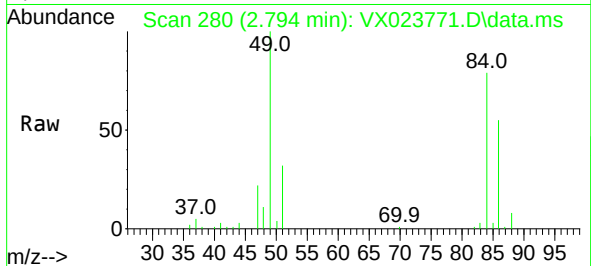




#20
Methylene Chloride
Concen: 9.148 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

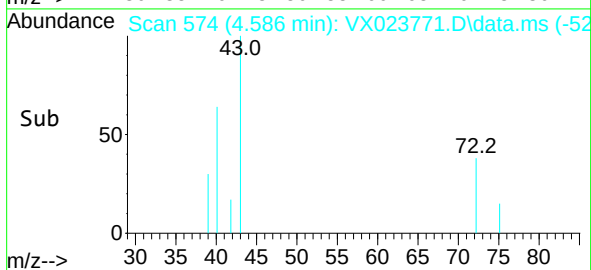
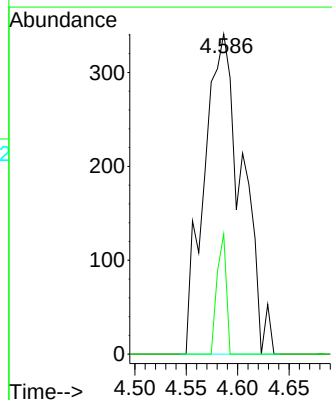
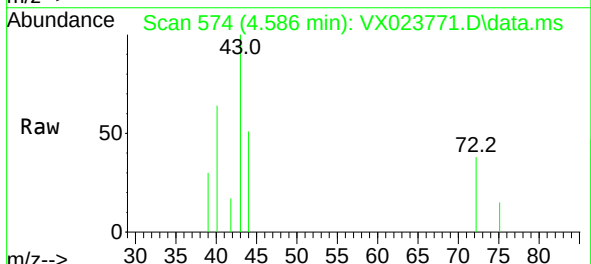
Instrument :
MSVOA_X
ClientSampleId :
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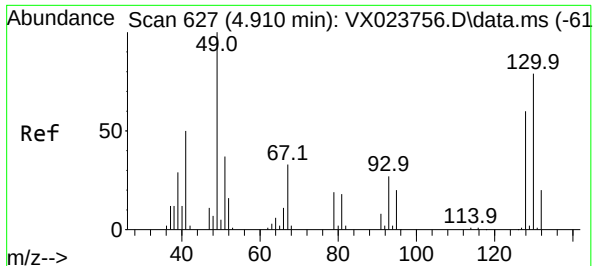
Tgt Ion:	84	Resp:	15401
Ion	Ratio	Lower	Upper
84	100		
49	126.0	88.6	132.8
51	39.8	27.0	40.6
86	69.9	50.3	75.5



#25
2-Butanone
Concen: 0.657 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion:	43	Resp:	877
Ion	Ratio	Lower	Upper
43	100		
72	37.5	23.7	35.5#

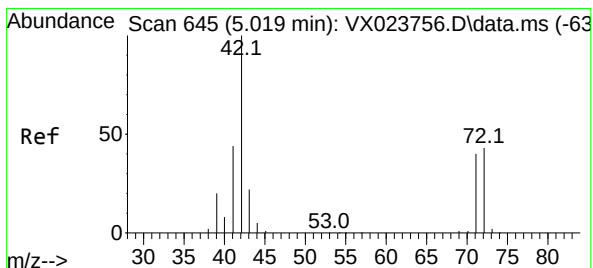
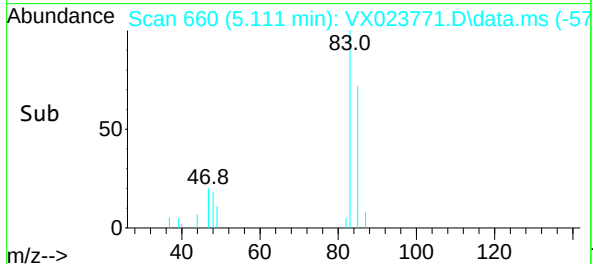
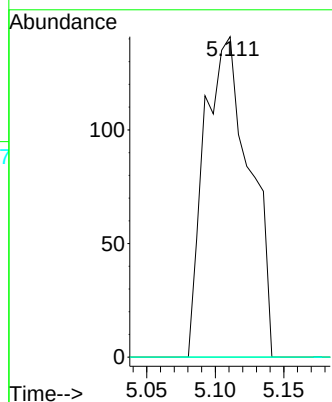
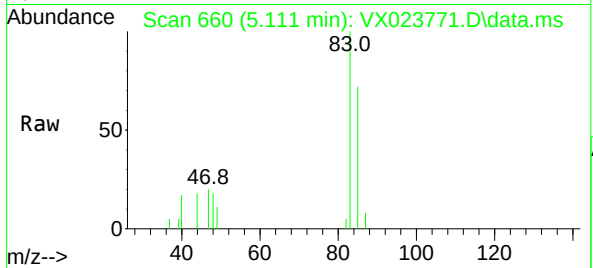




#28
Bromochloromethane
Concen: 0.257 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

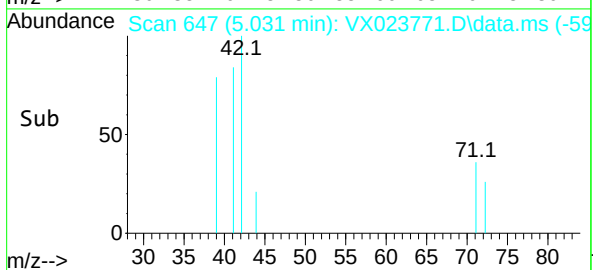
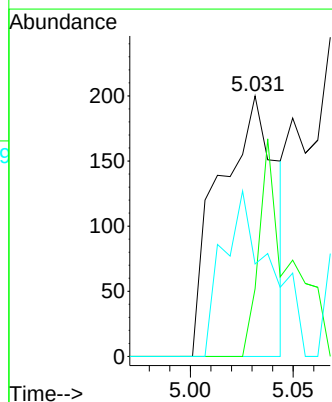
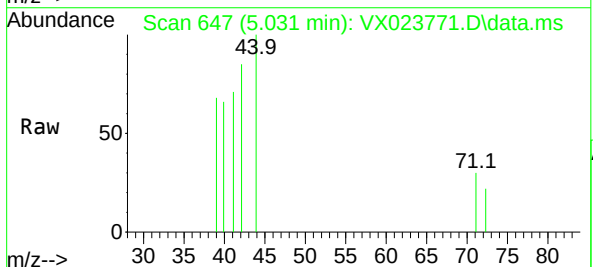
Instrument :
MSVOA_X
ClientSampled :
CRT-21

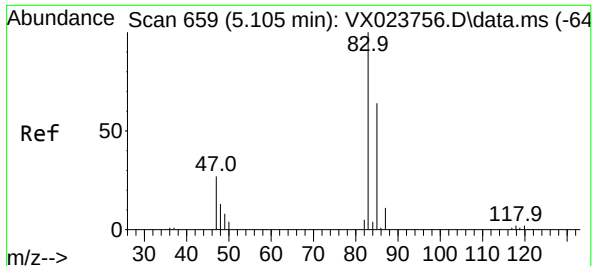
Tgt Ion: 49 Resp: 323
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.445 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 42 Resp: 385
Ion Ratio Lower Upper
42 100
72 43.9 41.7 62.5
71 53.0 38.4 57.6





#30

Chloroform

Concen: 1.182 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX023771.D

Acq: 17 Aug 2021 18:27

Instrument :

MSVOA_X

ClientSampleId :

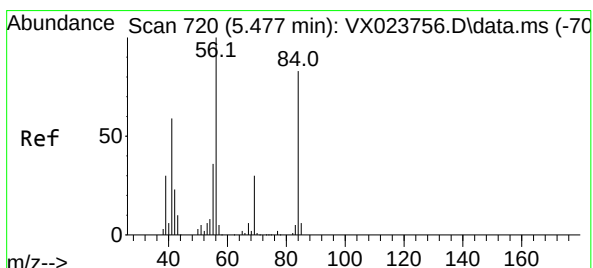
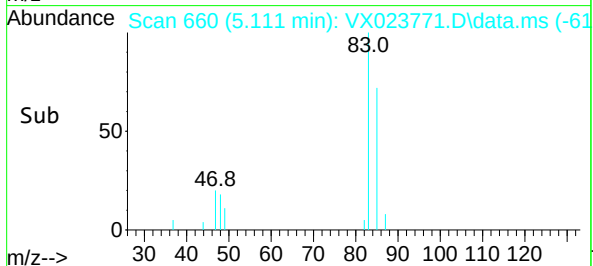
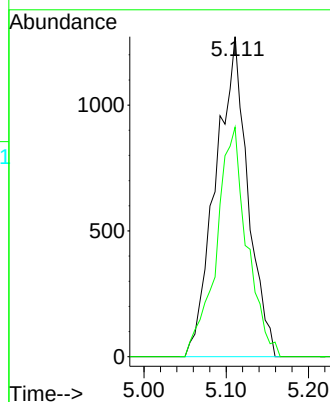
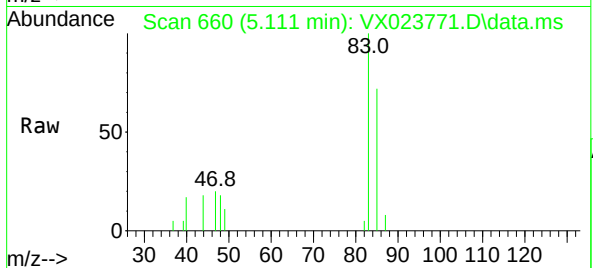
CRT-21

Tgt Ion: 83 Resp: 3464

Ion Ratio Lower Upper

83 100

85 71.7 52.0 78.0



#31

Cyclohexane

Concen: 1.255 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX023771.D

Acq: 17 Aug 2021 18:27

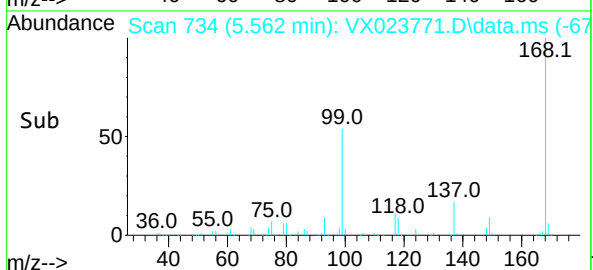
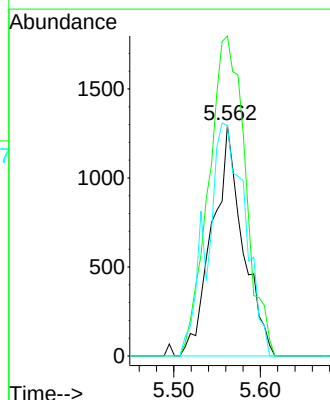
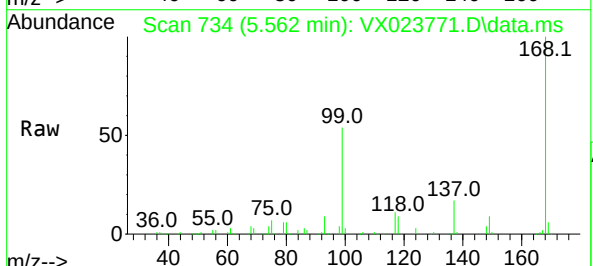
Tgt Ion: 56 Resp: 3178

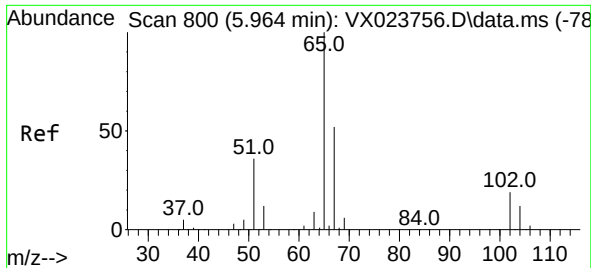
Ion Ratio Lower Upper

56 100

69 138.7 25.3 37.9#

84 100.0 71.4 107.0

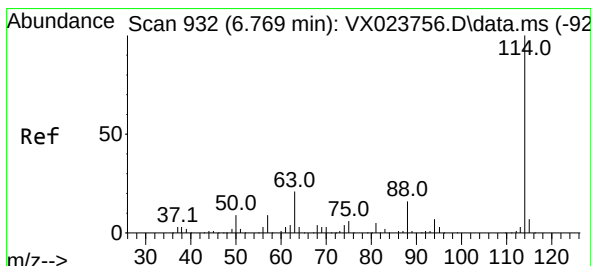
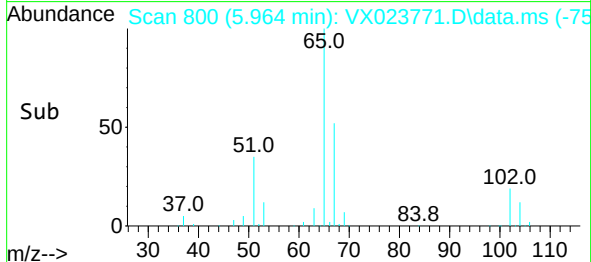
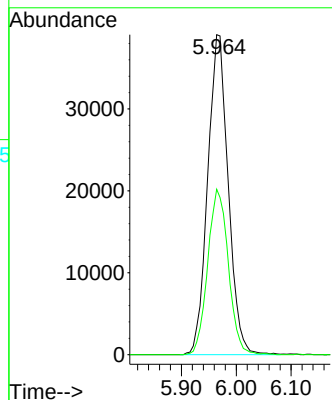
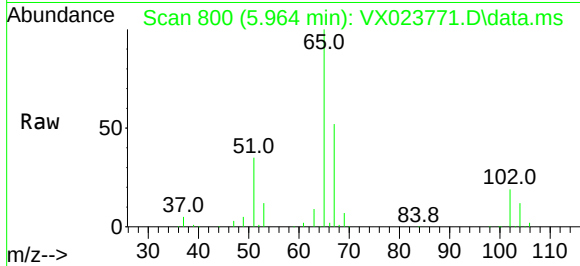




#33
 1,2-Dichloroethane-d4
 Concen: 51.466 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023771.D
 Acq: 17 Aug 2021 18:27

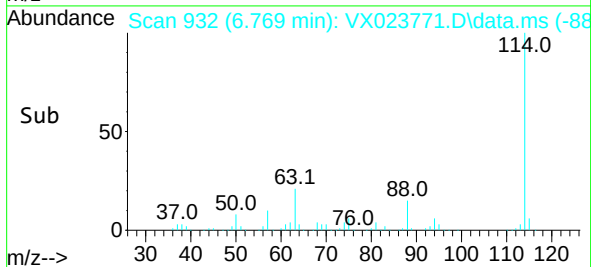
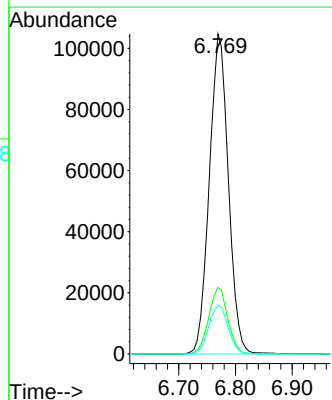
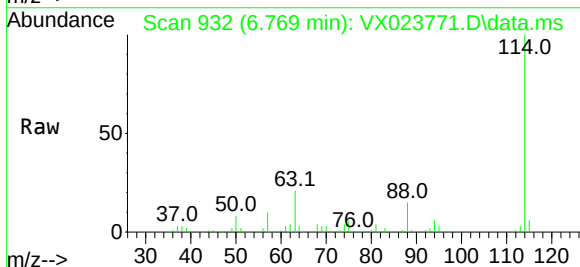
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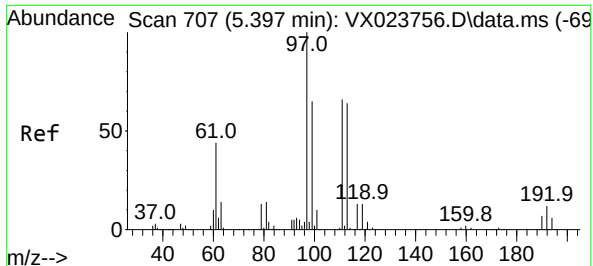
Tgt Ion: 65 Resp: 101446
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX023771.D
 Acq: 17 Aug 2021 18:27

Tgt Ion: 114 Resp: 243923
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.861 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023771.D

Acq: 17 Aug 2021 18:27

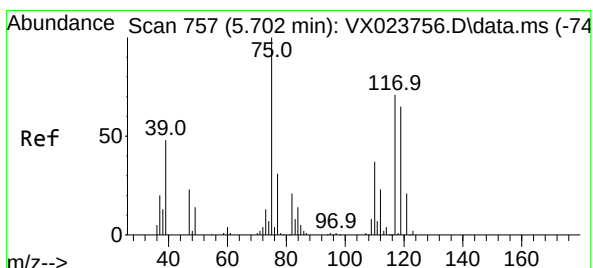
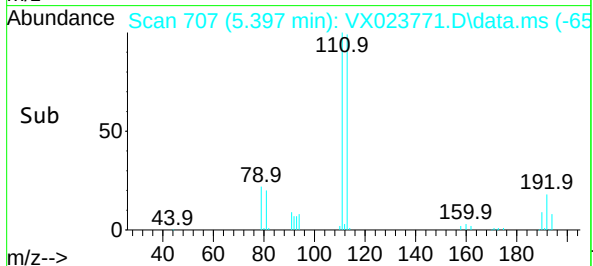
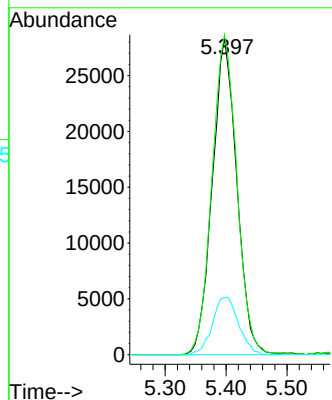
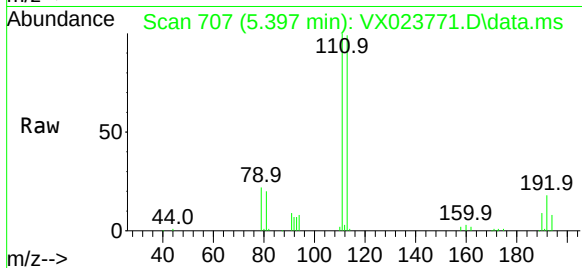
Tgt Ion:113 Resp: 78884

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

192 19.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023771.D

Acq: 17 Aug 2021 18:27

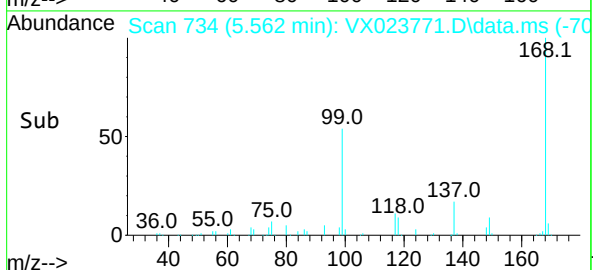
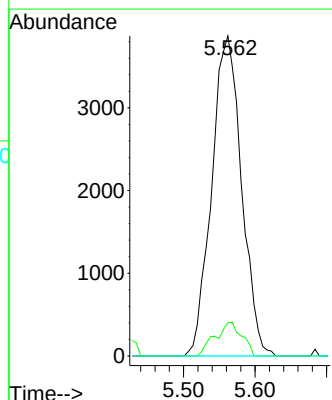
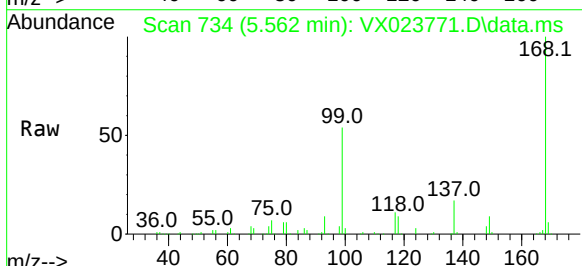
Tgt Ion: 75 Resp: 11219

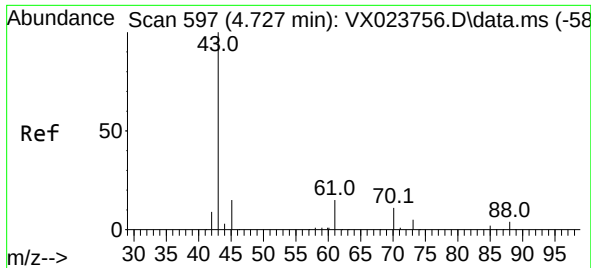
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 25.3 37.9#

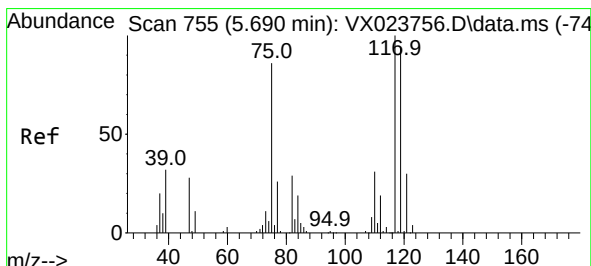
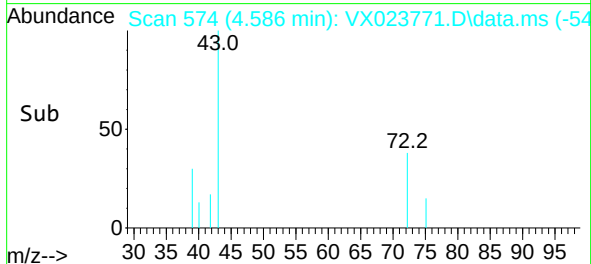
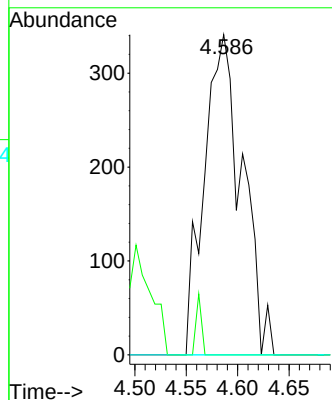
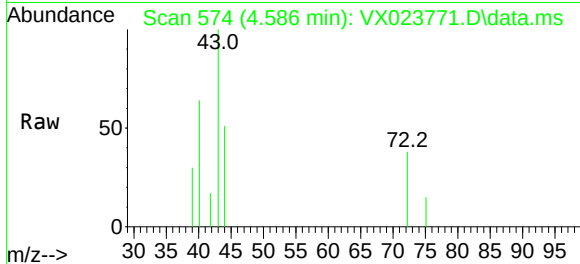




#37
Ethyl Acetate
Concen: 0.316 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.141 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

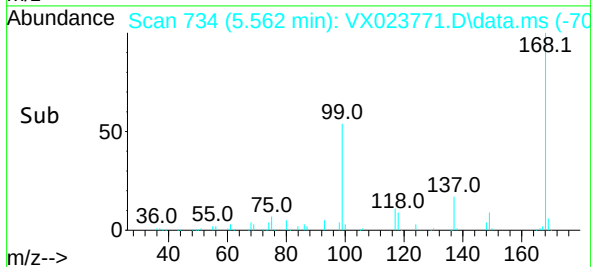
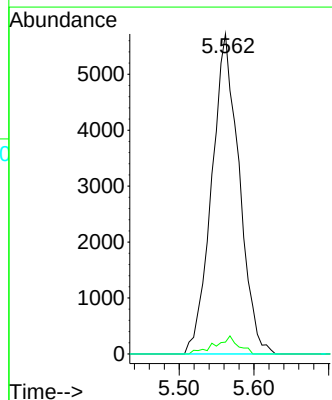
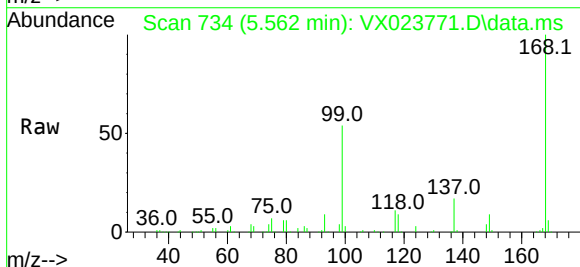
Instrument :
MSVOA_X
ClientSampleId :
CRT-21

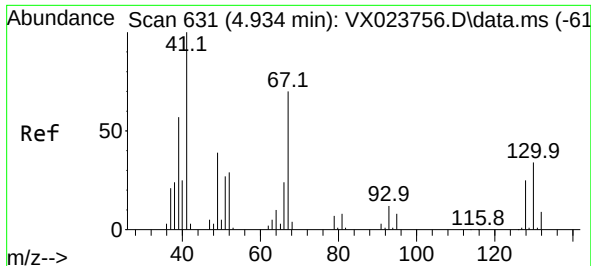
Tgt Ion: 43	Resp: 877
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 117	Resp: 14600
Ion Ratio	Lower Upper
117 100	
119 3.7	76.2 114.2#
121 0.0	24.8 37.2#



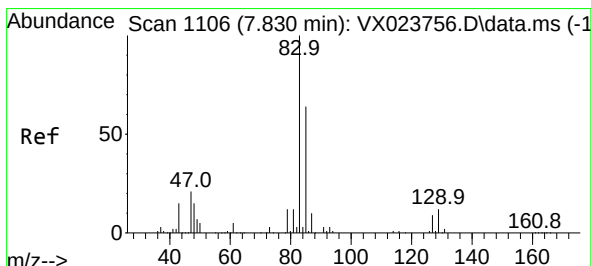
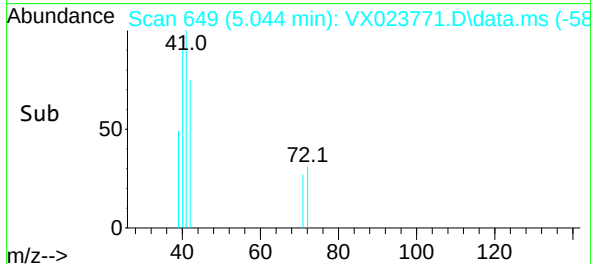
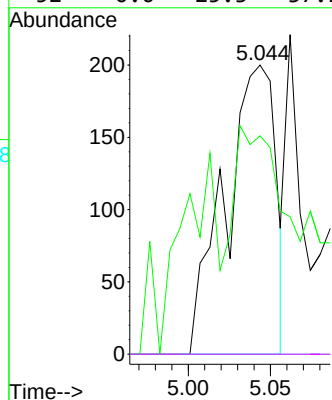
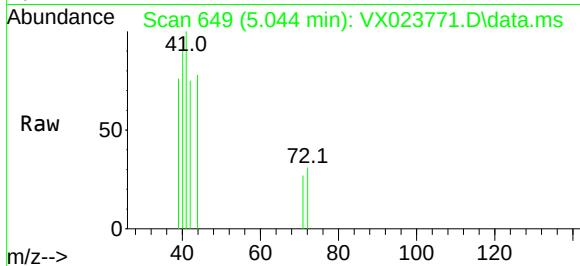


#41
Methacrylonitrile
Concen: 0.284 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.110 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Instrument :
MSVOA_X
ClientSampled :
CRT-21

Tgt Ion: 41 Resp: 427

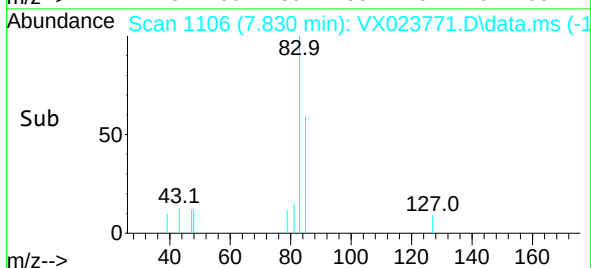
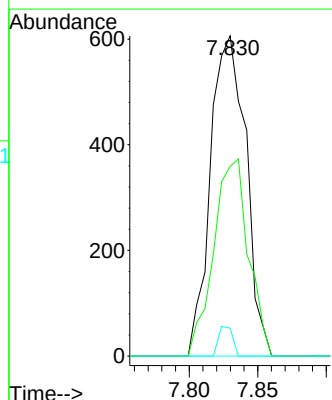
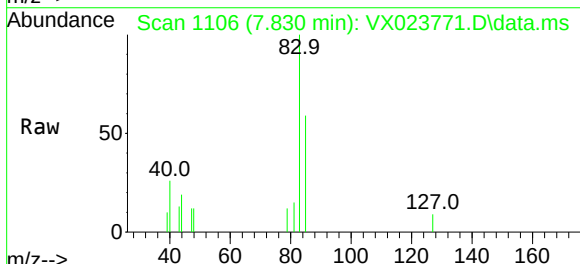
Ion	Ratio	Lower	Upper
41	100		
39	41.9	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

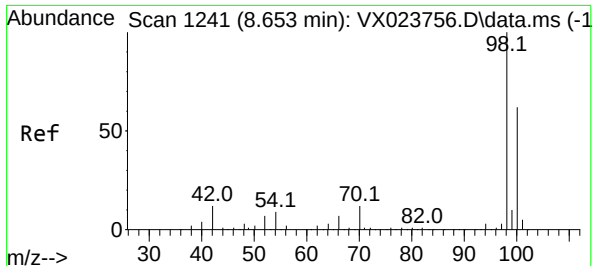


#47
Bromodichloromethane
Concen: 0.488 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 83 Resp: 1090

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.4	77.0
127	8.7	6.8	10.2

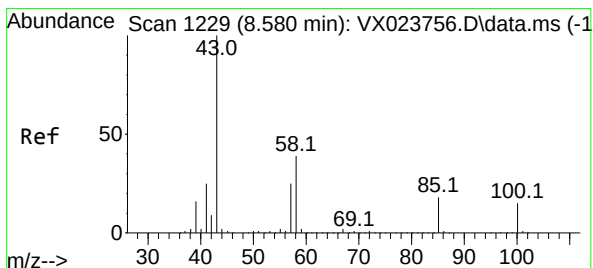
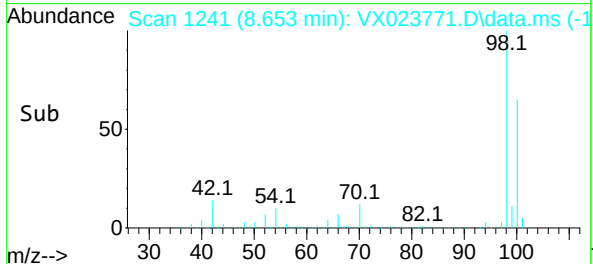
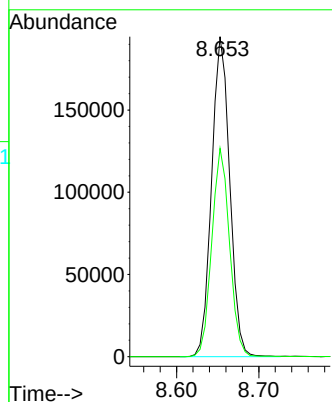
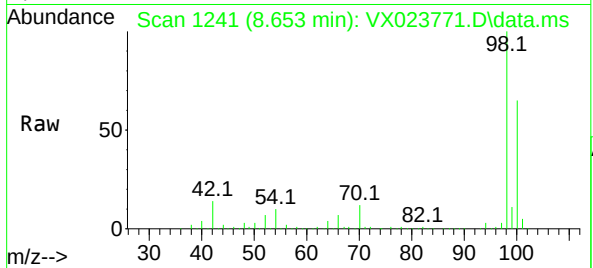




#50
Toluene-d8
Concen: 48.543 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

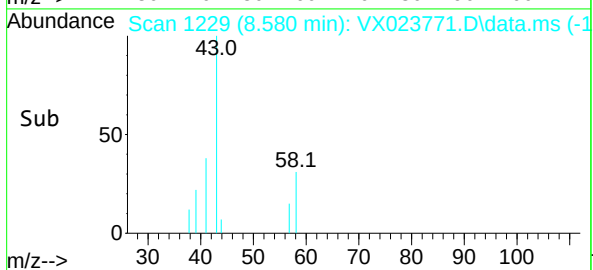
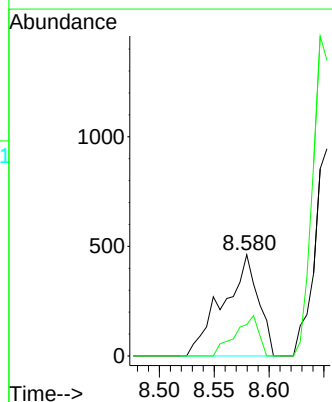
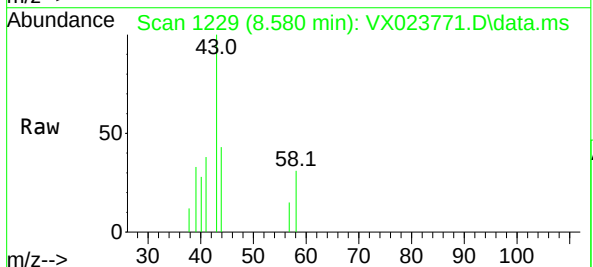
Instrument :
MSVOA_X
ClientSampled :
CRT-21

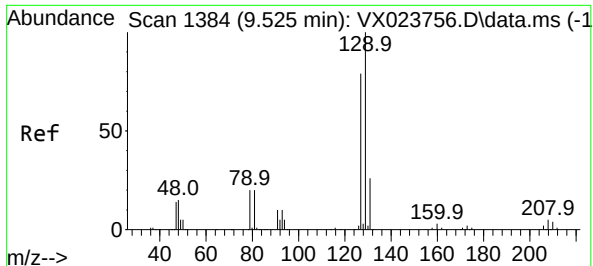
Tgt Ion: 98 Resp: 298282
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.366 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 26.6 35.4 53.0#

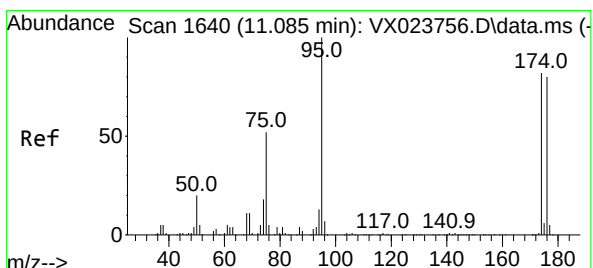
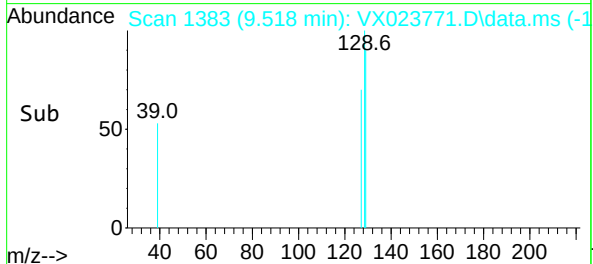
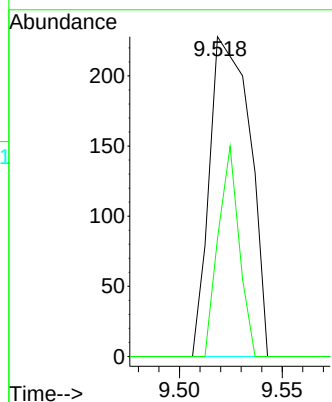
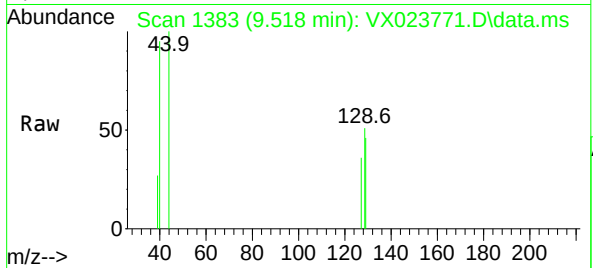




#60
Dibromochloromethane
Concen: 1.841 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

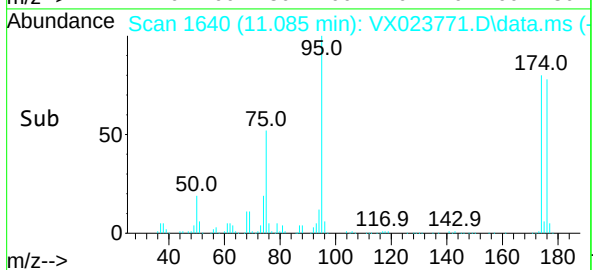
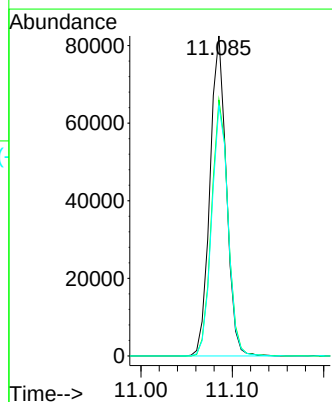
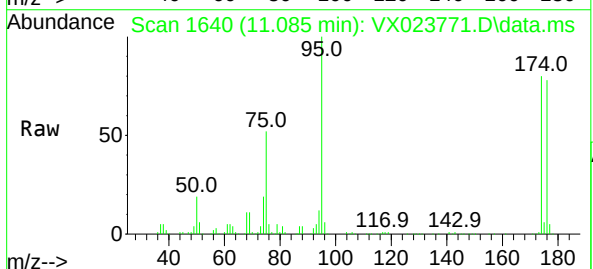
Instrument :
MSVOA_X
ClientSampleId :
CRT-21

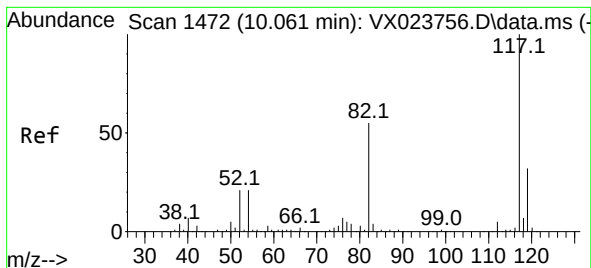
Tgt Ion:129 Resp: 312
Ion Ratio Lower Upper
129 100
127 34.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.198 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion: 95 Resp: 102239
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 78.7 0.0 155.8

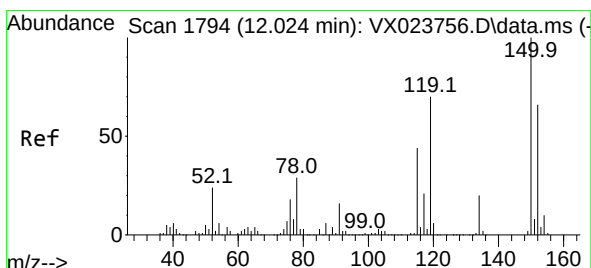
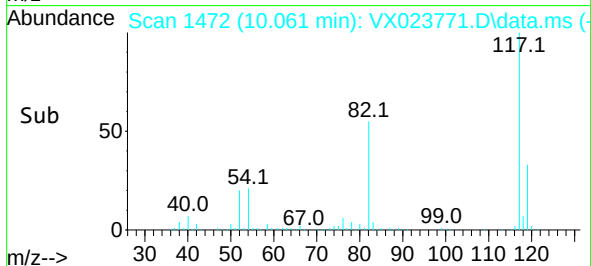
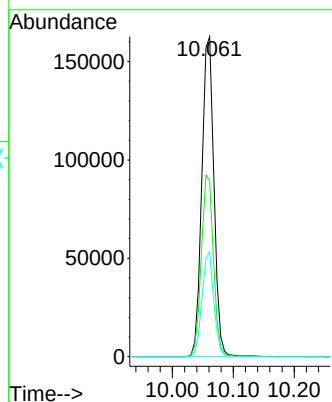
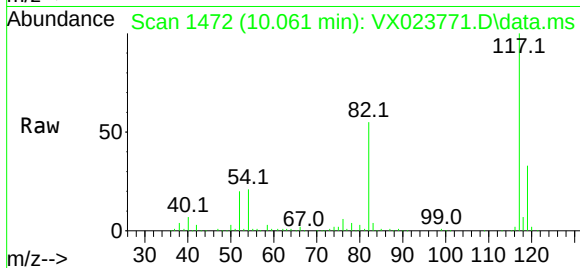




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

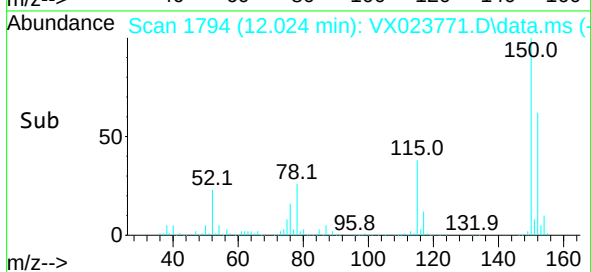
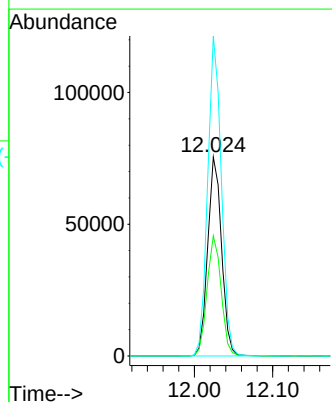
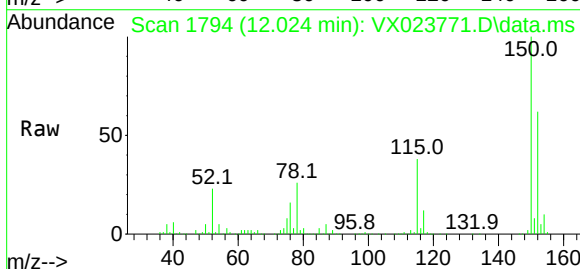
Instrument :
MSVOA_X
ClientSampled :
CRT-21

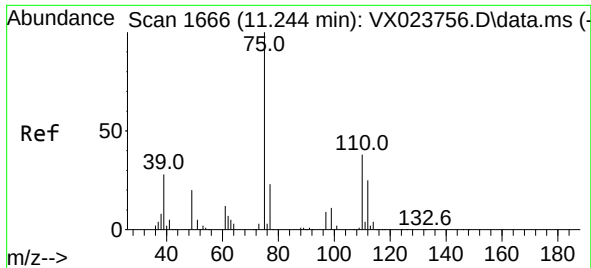
Tgt Ion:117 Resp: 225133
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Tgt Ion:152 Resp: 92678
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 157.7 0.0 349.0

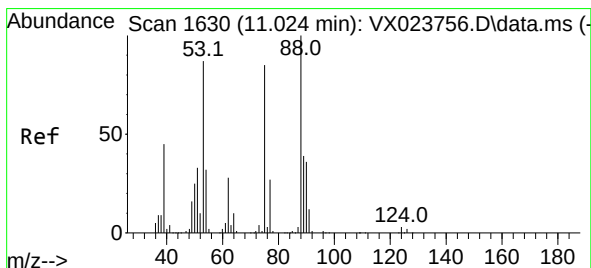
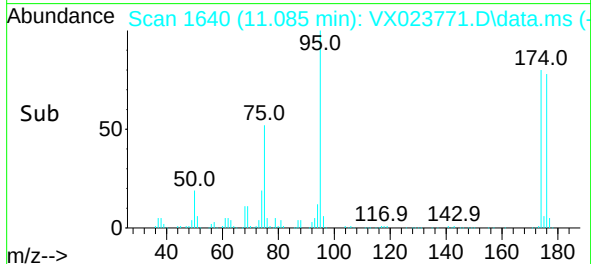
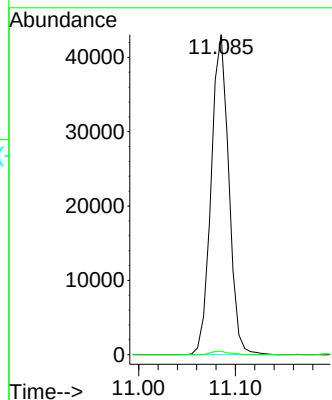
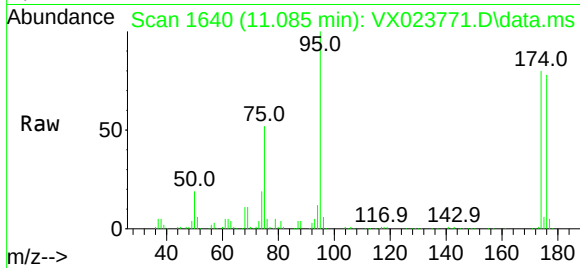




#76
1,2,3-Trichloropropane
Concen: 25.259 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

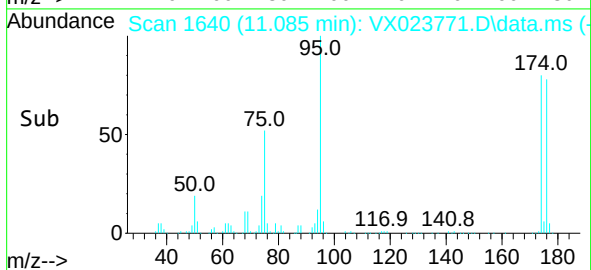
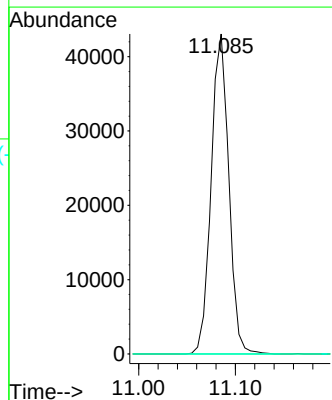
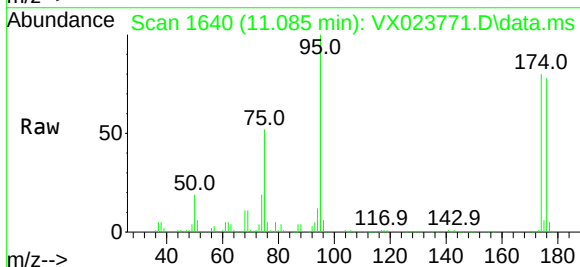
Instrument :
MSVOA_X
ClientSampled :
CRT-21

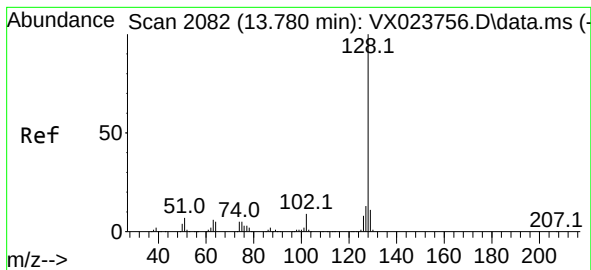
Tgt Ion: 75 Resp: 54608
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.300 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

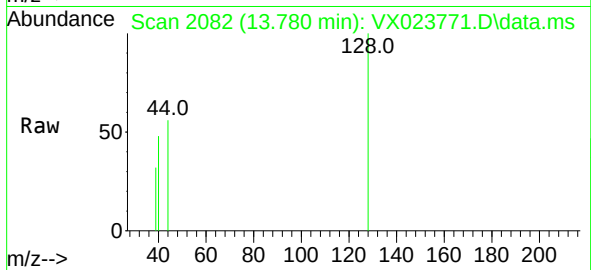
Tgt Ion: 75 Resp: 54608
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.321 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023771.D
Acq: 17 Aug 2021 18:27

Instrument :
MSVOA_X
ClientSampleId :
CRT-21



Tgt Ion:128 Resp: 271
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

