

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024478.D
 Acq On : 24 Sep 2021 03:28
 Operator : JC/MD
 Sample : M3829-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20210917

Quant Time: Sep 24 07:43:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	149775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	263534	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	249736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110142	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107138	50.755	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.500%	
35) Dibromofluoromethane	5.397	113	88110	50.328	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.660%	
50) Toluene-d8	8.653	98	323983	50.280	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	11.085	95	119622	47.216	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.440%	

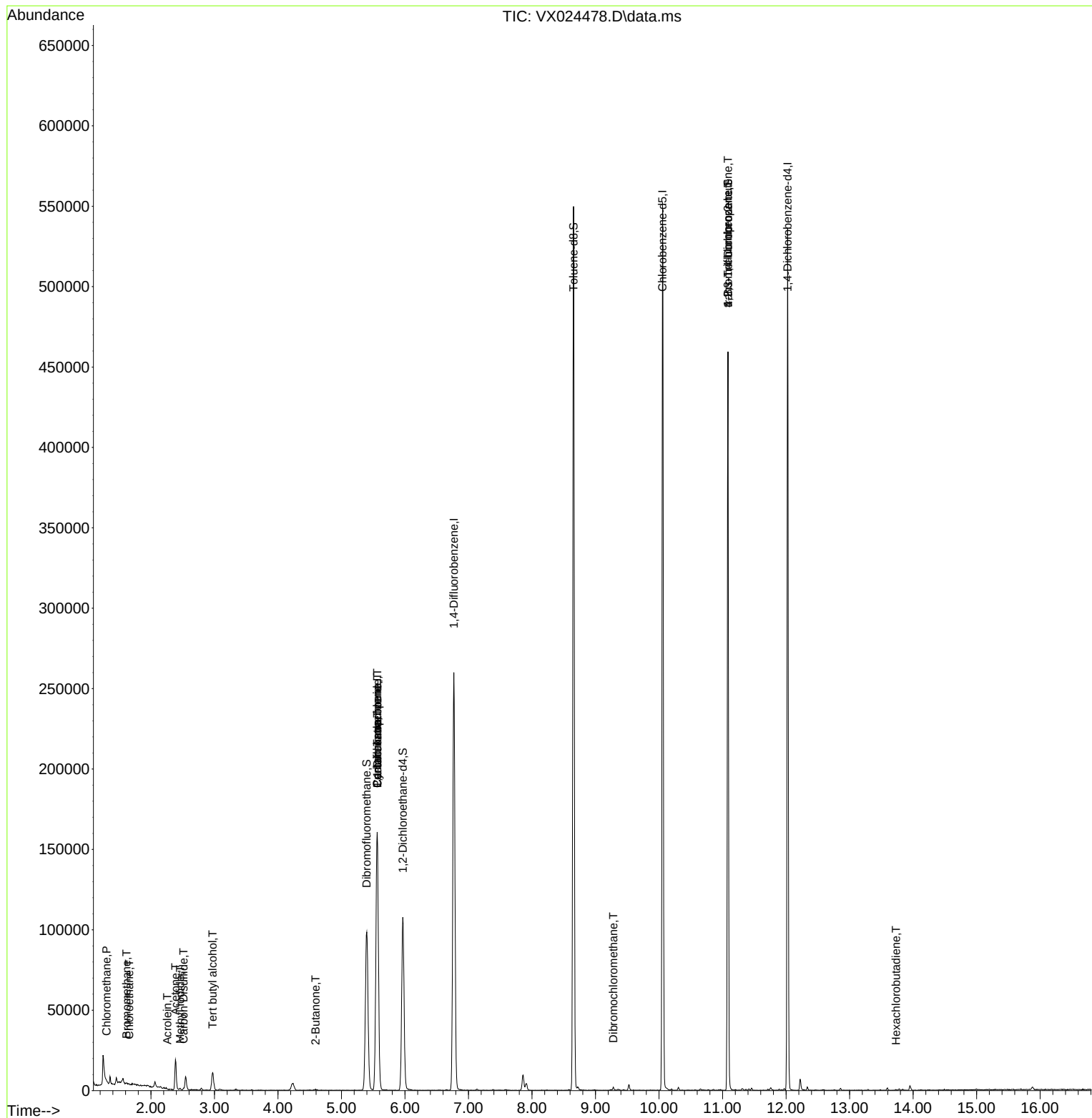
Target Compounds						Qvalue
3) Chloromethane	1.300	50	603	0.424	ug/l #	77
5) Bromomethane	1.617	94	260	0.260	ug/l #	75
6) Chloroethane	1.654	64	795	1.057	ug/l #	43
10) Methyl Iodide	2.459	142	998	0.482	ug/l #	97
11) Tert butyl alcohol	2.971	59	12732	14.273	ug/l	98
13) Acrolein	2.257	56	19	10.217	ug/l #	1
16) Acetone	2.385	43	19782	12.580	ug/l	95
17) Carbon Disulfide	2.513	76	1353	0.608	ug/l	97
20) Methylene Chloride	2.800	84	518	Below Cal	#	82
25) 2-Butanone	4.592	43	771	0.530	ug/l #	45
31) Cyclohexane	5.562	56	3169	1.254	ug/l #	47
36) 1,1-Dichloropropene	5.562	75	11219	4.441	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15500	5.636	ug/l #	16
60) Dibromochloromethane	9.281	129	224	1.287	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	60869	24.335	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	60869	66.413	ug/l #	12
94) Hexachlorobutadiene	13.731	225	223	0.203	ug/l #	63

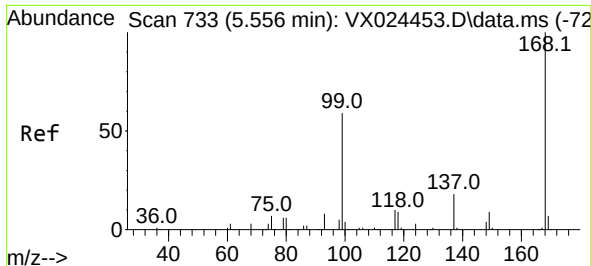
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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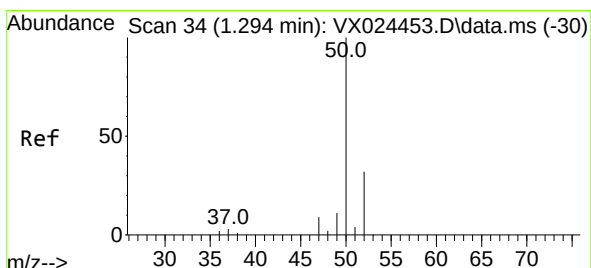
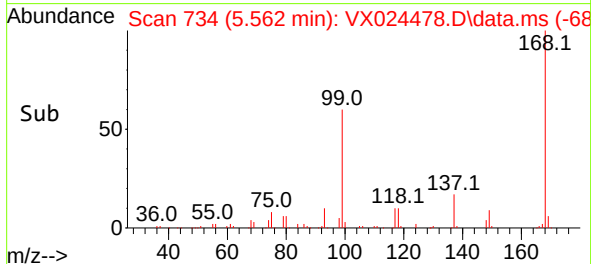
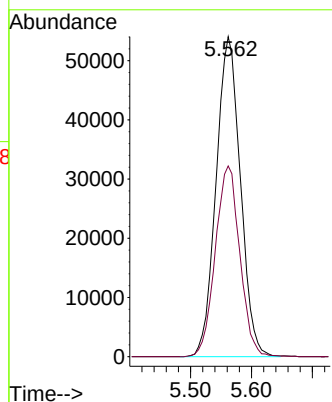
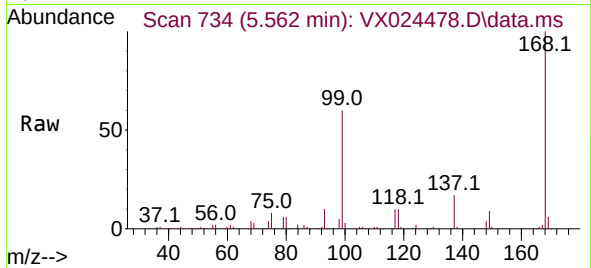




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

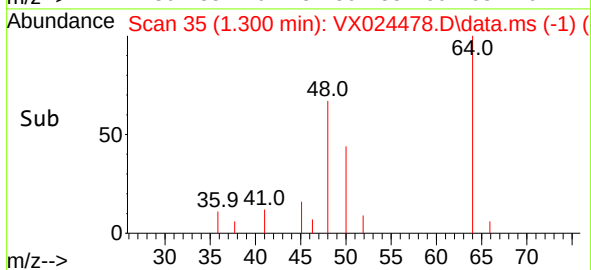
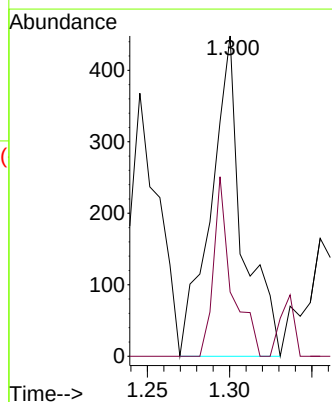
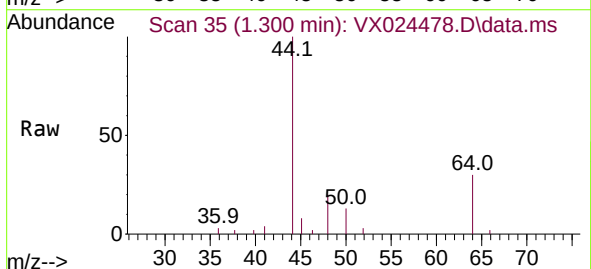
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

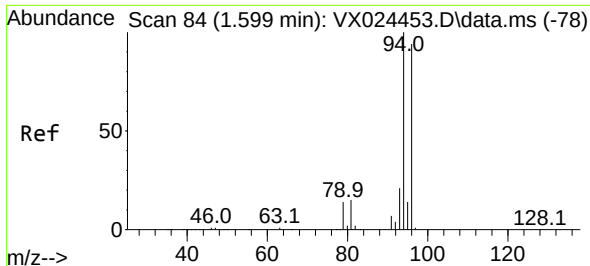
Tgt Ion:168 Resp: 149775
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#3
Chloromethane
Concen: 0.424 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion: 50 Resp: 603
Ion Ratio Lower Upper
50 100
52 20.1 26.4 39.6#

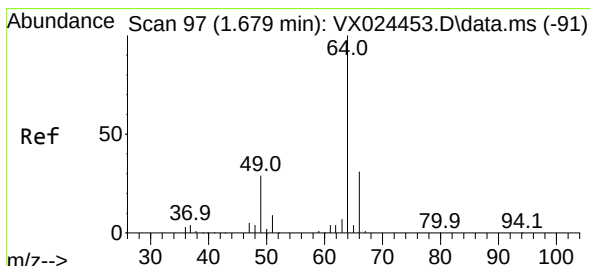
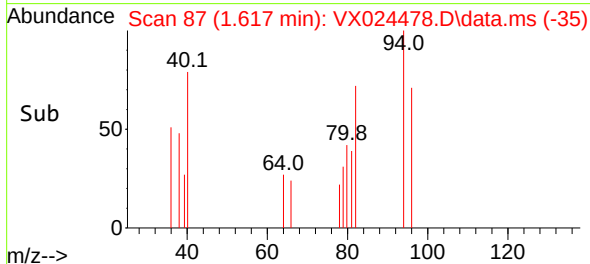
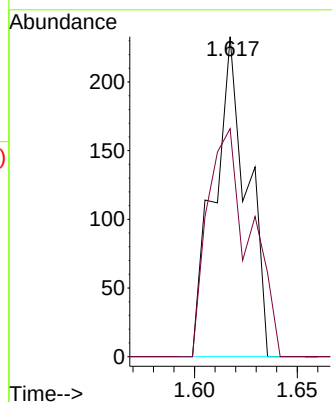
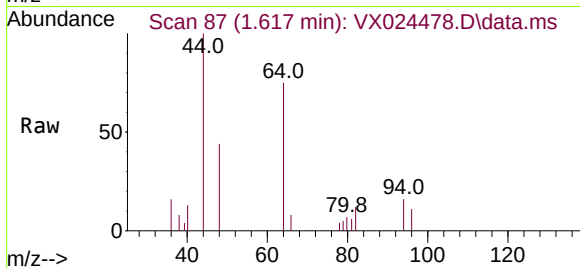




#5
Bromomethane
Concen: 0.260 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

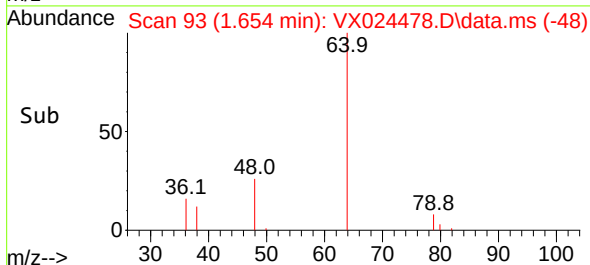
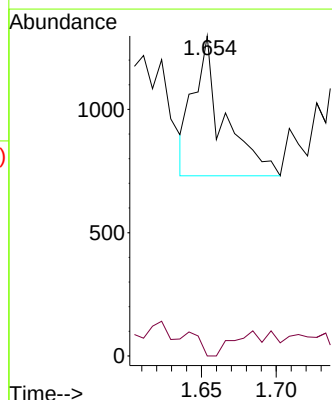
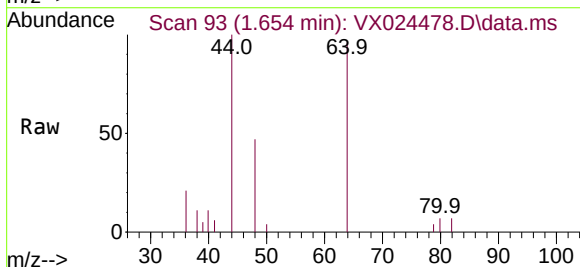
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

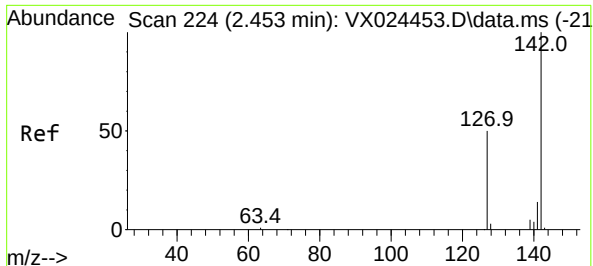
Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 71.2 76.4 114.6#



#6
Chloroethane
Concen: 1.057 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

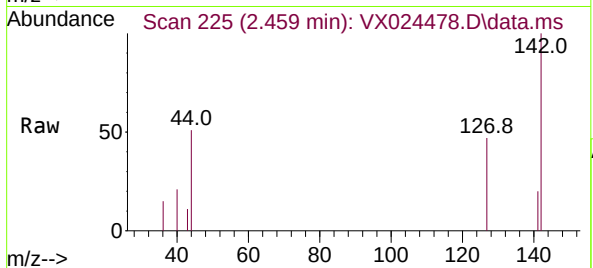
Tgt Ion: 64 Resp: 795
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



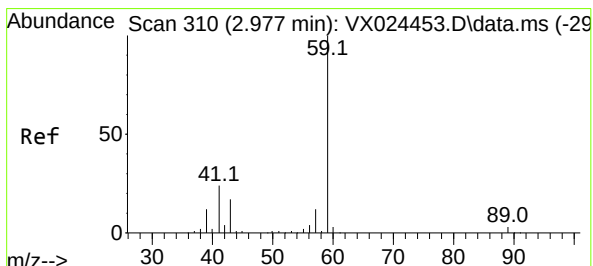
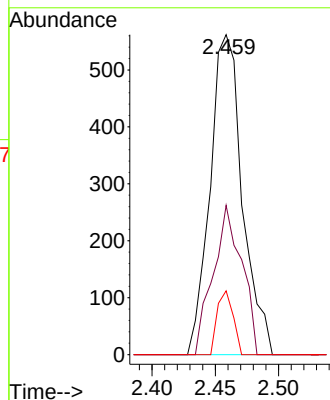
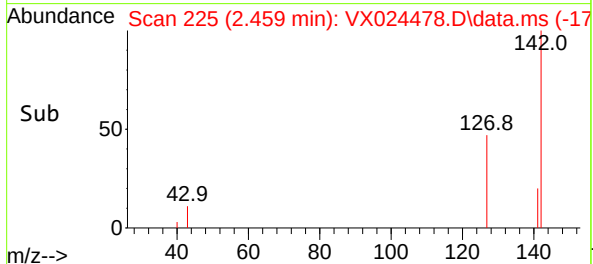


#10
Methyl Iodide
Concen: 0.482 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

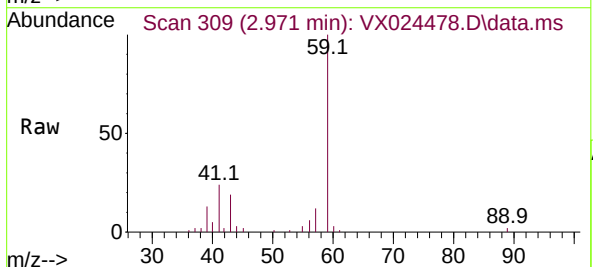
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917



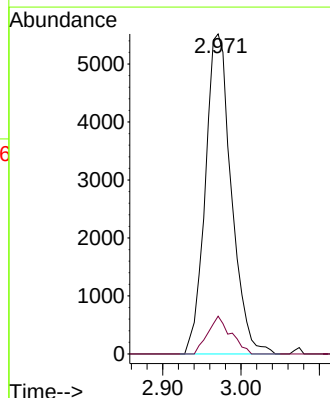
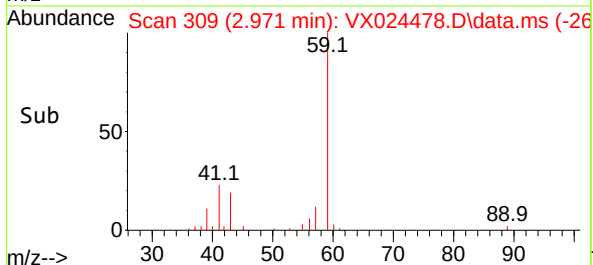
Tgt Ion:142 Resp: 998
Ion Ratio Lower Upper
142 100
127 41.3 33.3 49.9
141 9.7 11.4 17.0#

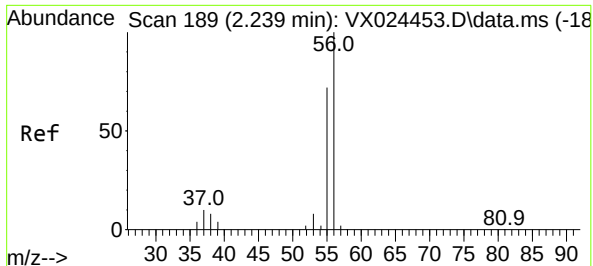


#11
Tert butyl alcohol
Concen: 14.273 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28



Tgt Ion: 59 Resp: 12732
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

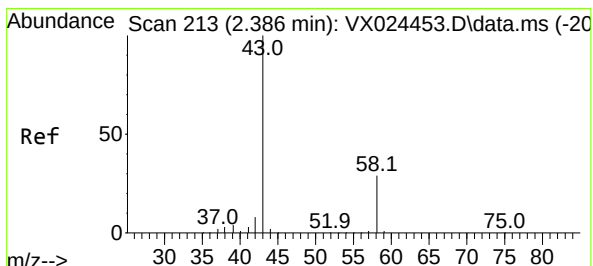
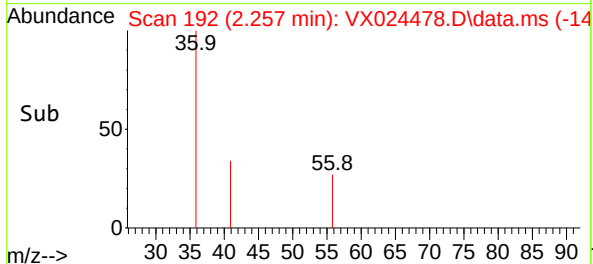
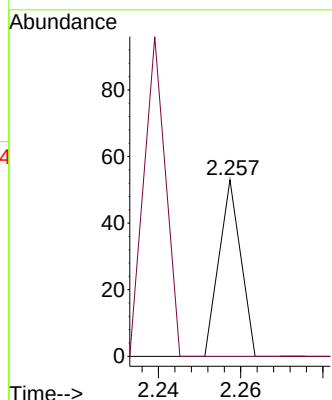
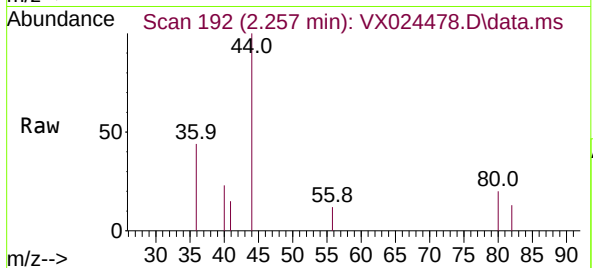




#13
Acrolein
Concen: 10.217 ug/l
RT: 2.257 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

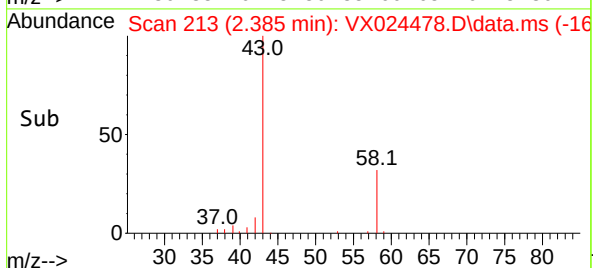
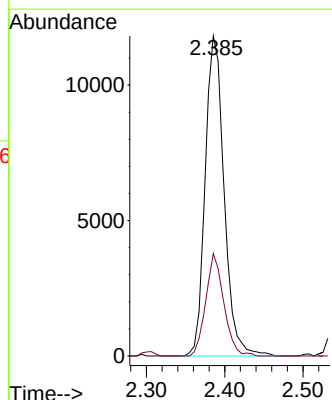
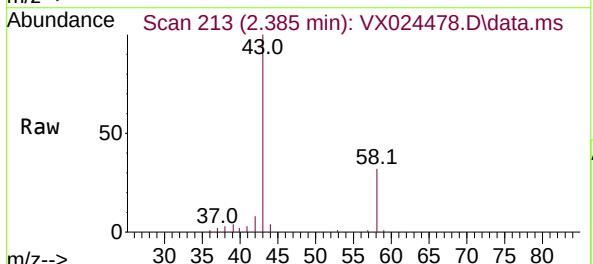
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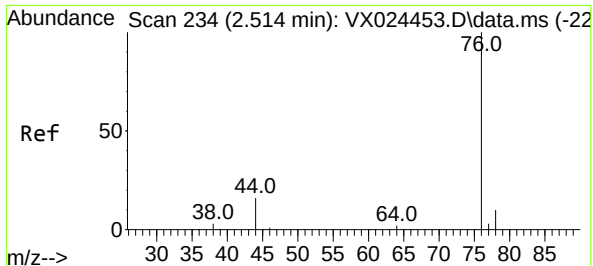
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 289.5 56.4 84.6#



#16
Acetone
Concen: 12.580 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion: 43 Resp: 19782
Ion Ratio Lower Upper
43 100
58 32.0 27.8 41.8

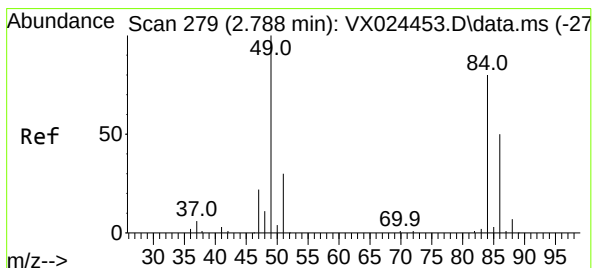
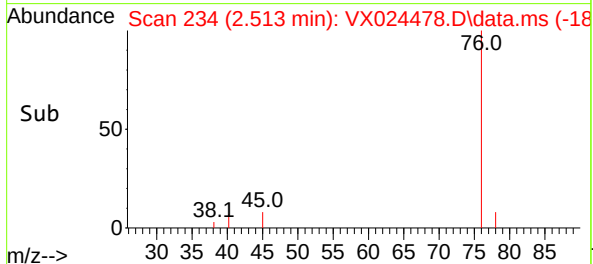
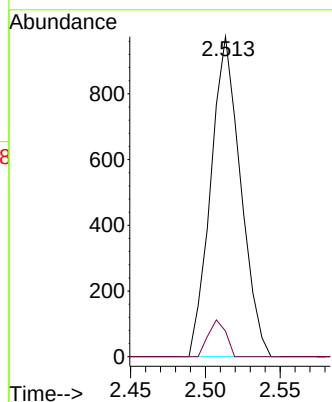
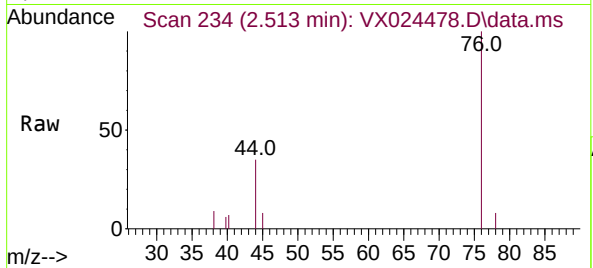




#17
Carbon Disulfide
Concen: 0.608 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

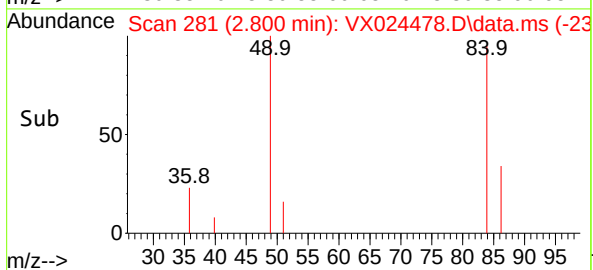
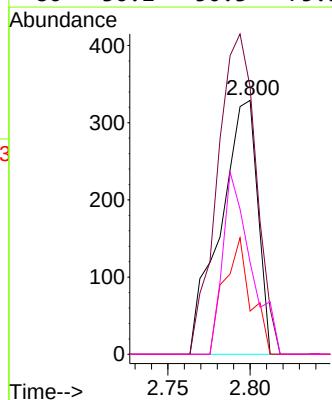
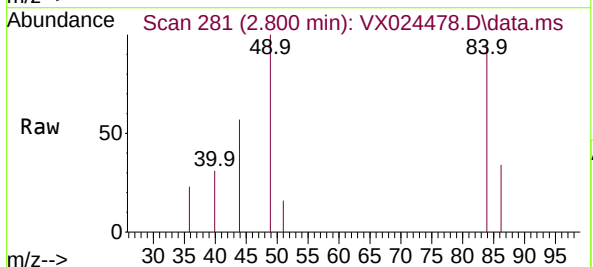
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

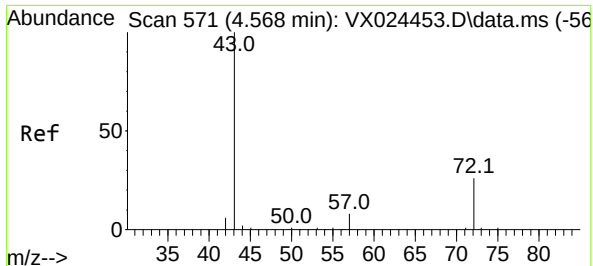
Tgt Ion: 76 Resp: 1353
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 105.2 88.6 132.8
51 17.0 27.0 40.6#
86 36.2 50.3 75.5#





#25

2-Butanone

Concen: 0.530 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.024 min

Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

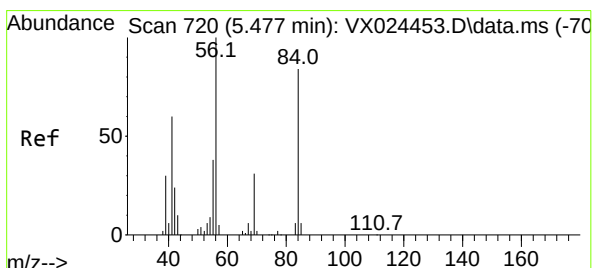
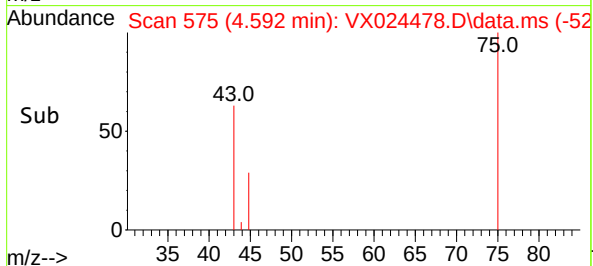
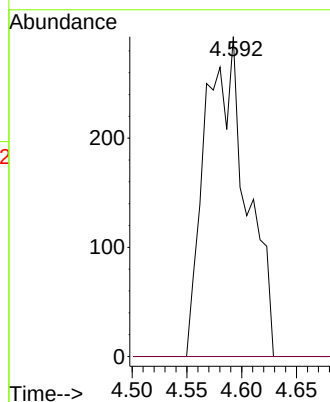
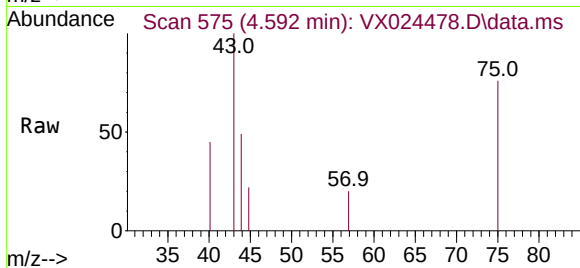
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

EB01-20210917



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

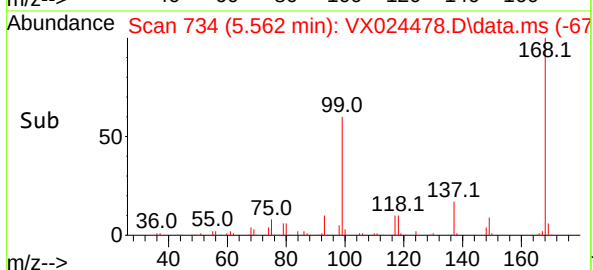
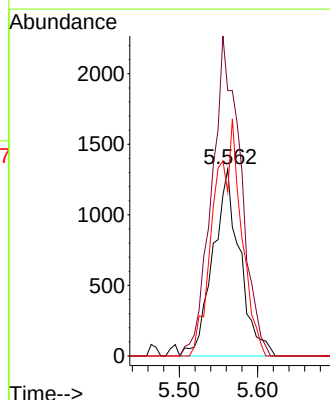
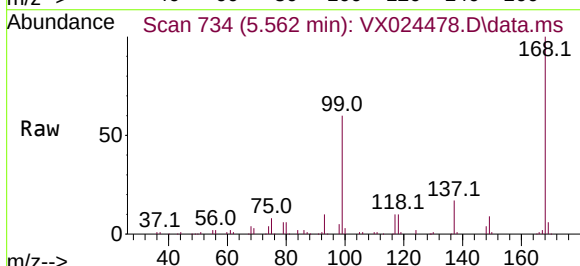
Tgt Ion: 56 Resp: 3169

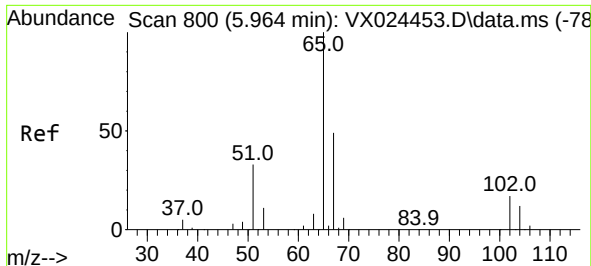
Ion Ratio Lower Upper

56 100

69 142.2 25.3 37.9#

84 88.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 50.755 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

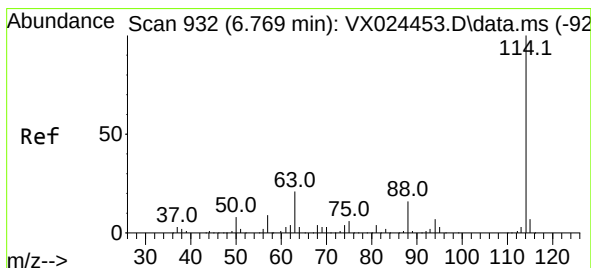
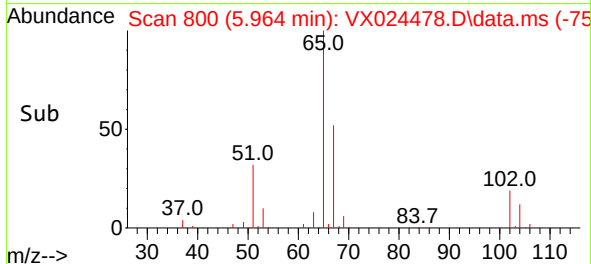
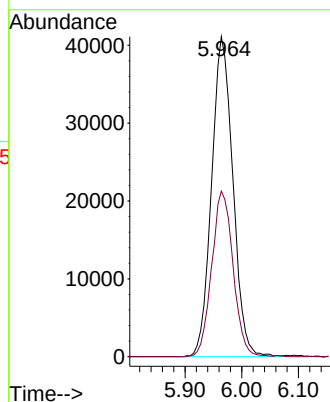
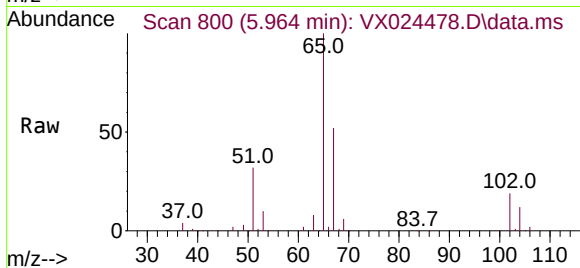
Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

Tgt Ion: 65 Resp: 107138

Ion Ratio Lower Upper

65	100		
67	51.9	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

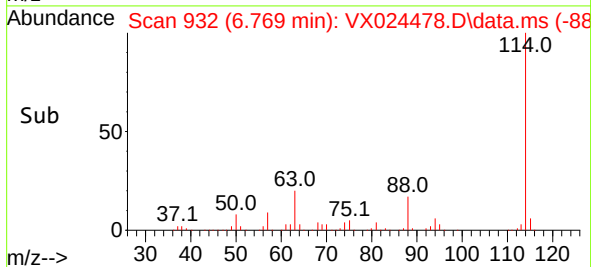
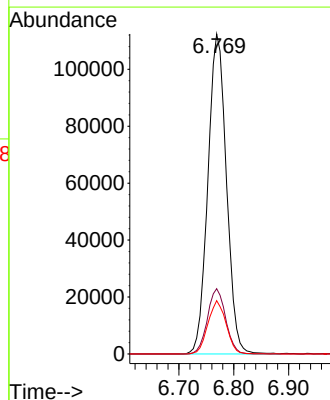
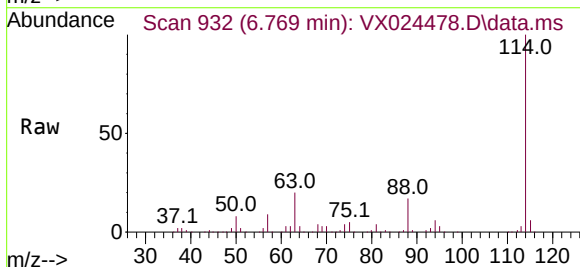
Lab File: VX024478.D

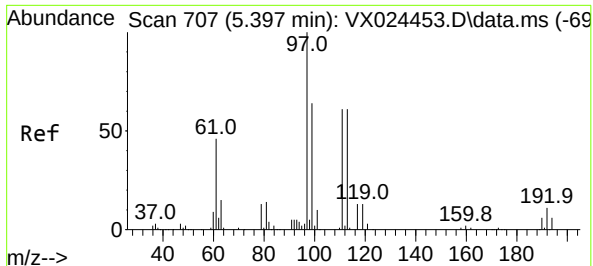
Acq: 24 Sep 2021 03:28

Tgt Ion: 114 Resp: 263534

Ion Ratio Lower Upper

114	100		
63	20.4	0.0	40.8
88	16.7	0.0	32.8





#35

Dibromofluoromethane

Concen: 50.328 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

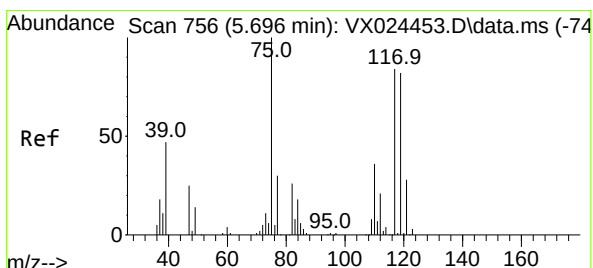
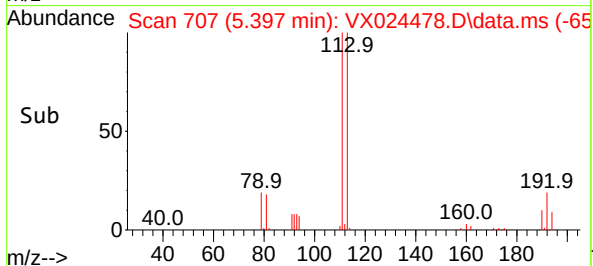
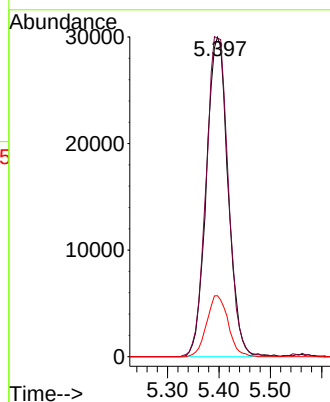
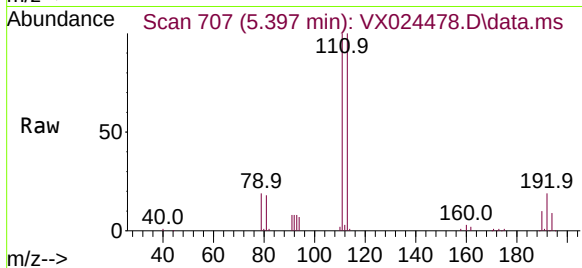
Tgt Ion:113 Resp: 88110

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 18.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.441 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

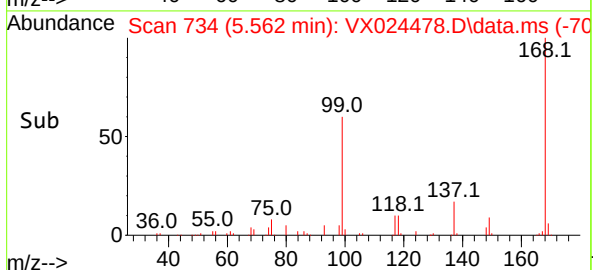
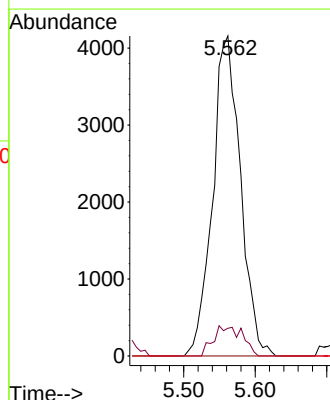
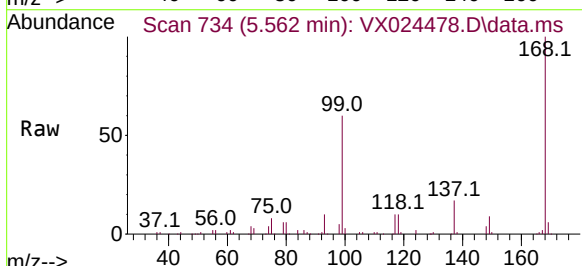
Tgt Ion: 75 Resp: 11219

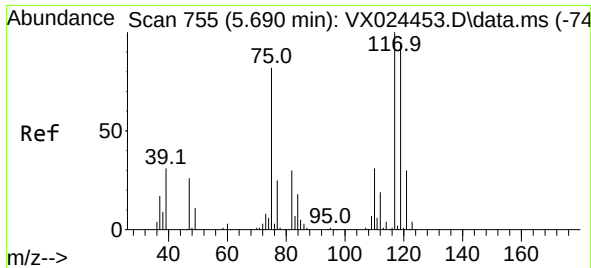
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

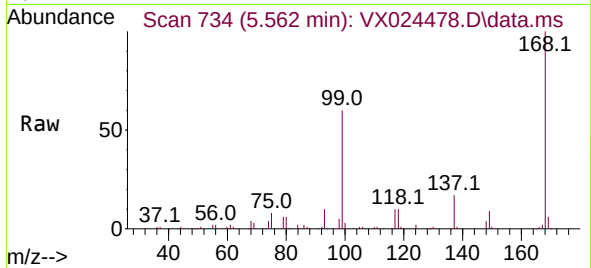
77 0.0 25.3 37.9#



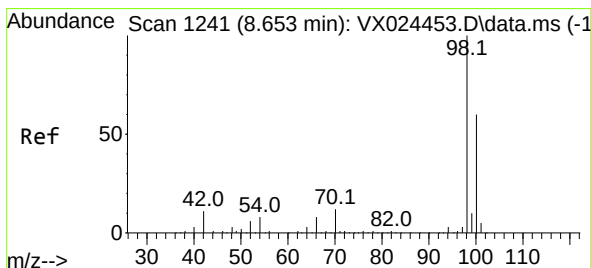
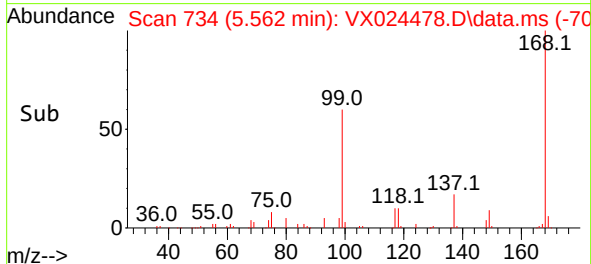
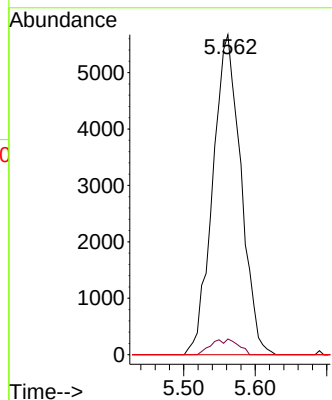


#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

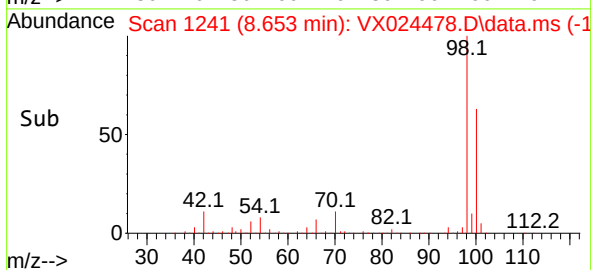
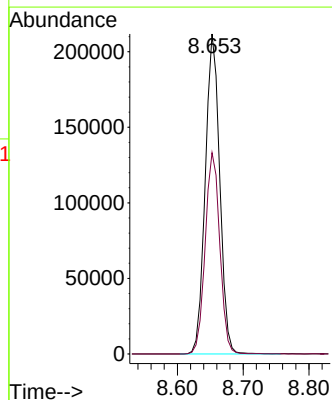
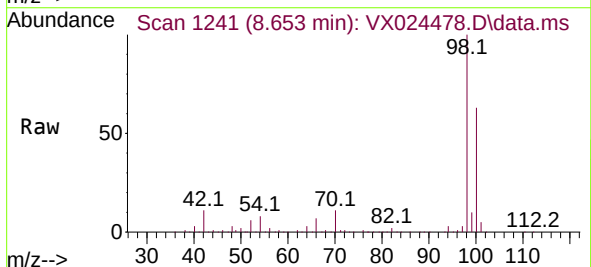


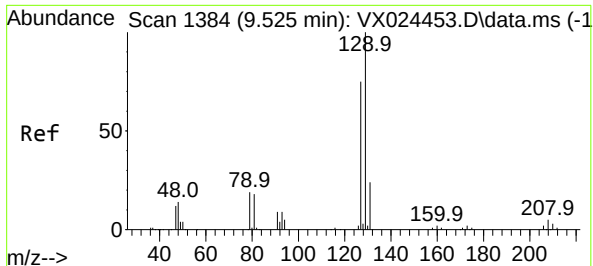
Tgt Ion:117 Resp: 15500
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.280 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion: 98 Resp: 323983
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9





#60

Dibromochloromethane

Concen: 1.287 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024478.D

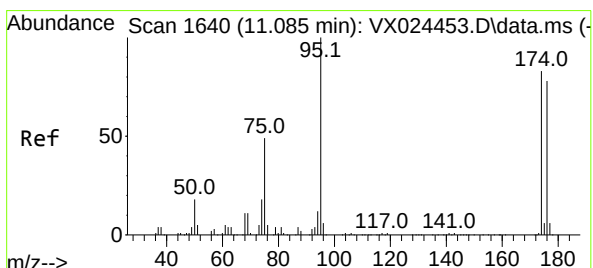
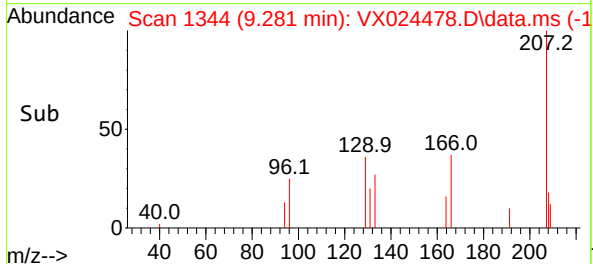
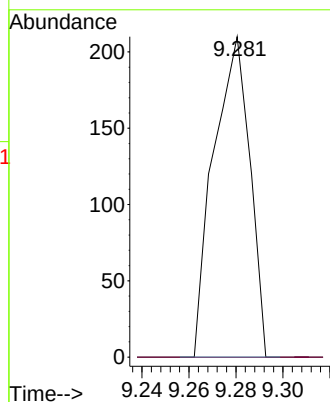
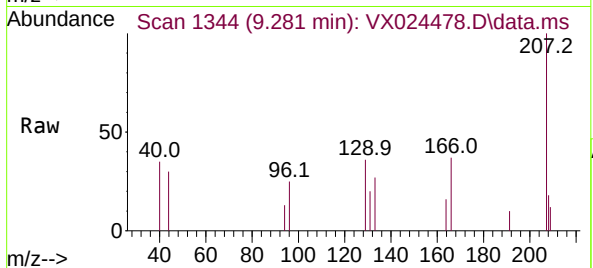
Acq: 24 Sep 2021 03:28

Tgt Ion:129 Resp: 224

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.216 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024478.D

Acq: 24 Sep 2021 03:28

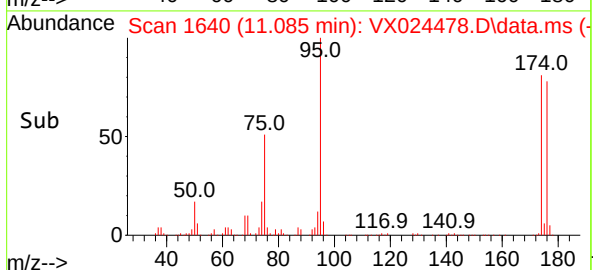
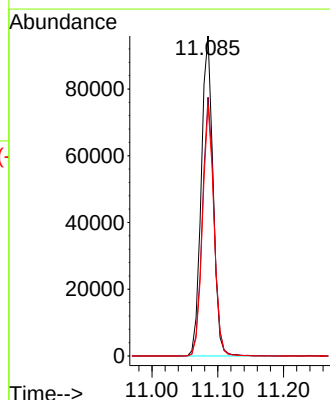
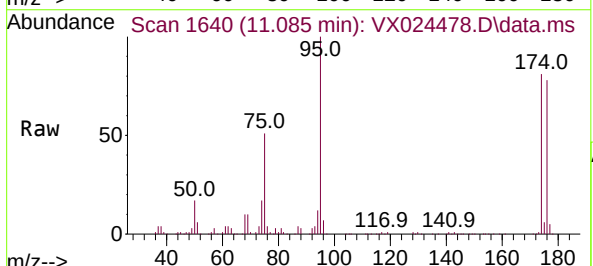
Tgt Ion: 95 Resp: 119622

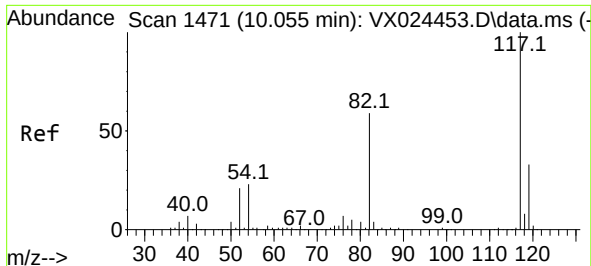
Ion Ratio Lower Upper

95 100

174 79.9 0.0 154.6

176 76.0 0.0 155.8

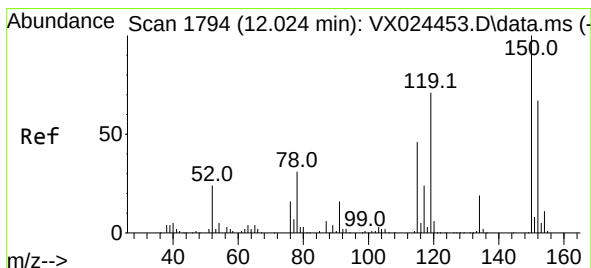
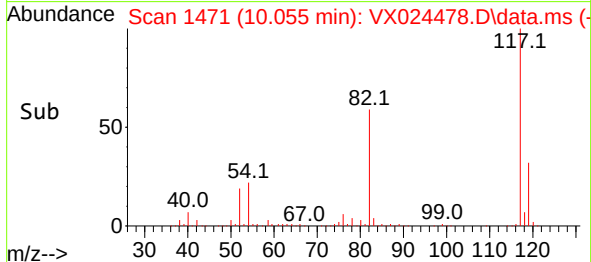
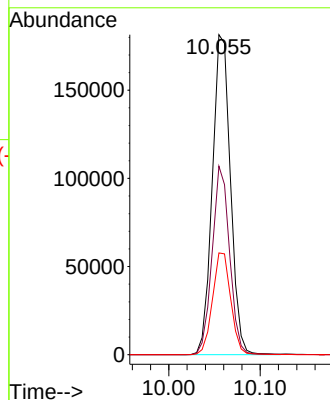
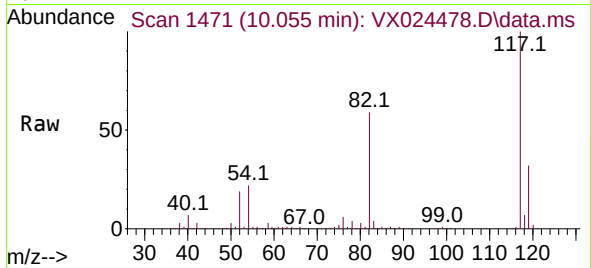




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

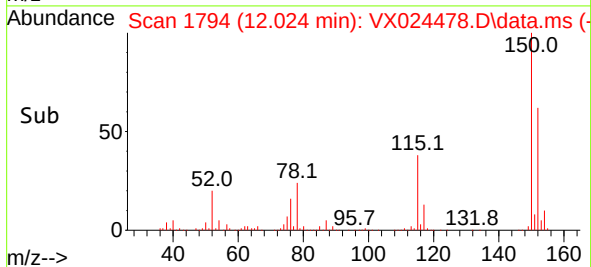
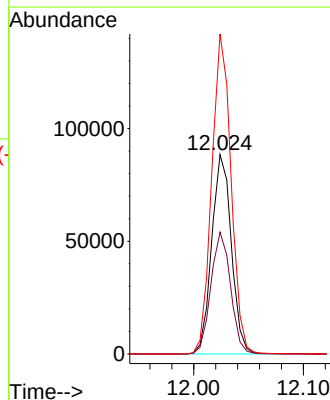
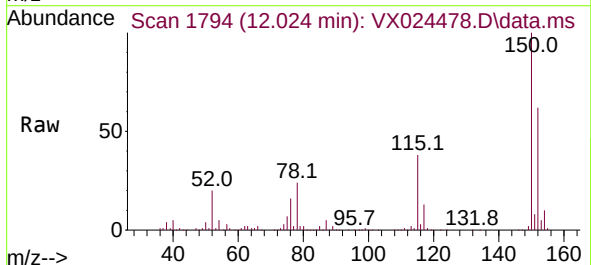
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

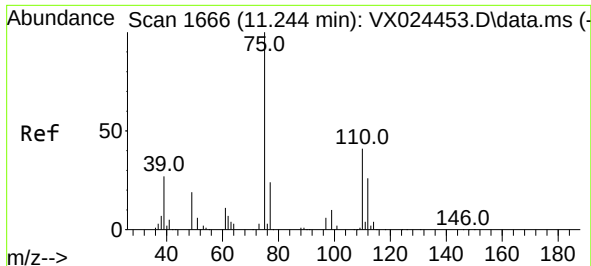
Tgt Ion:117 Resp: 249736
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion:152 Resp: 110142
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 158.1 0.0 349.0

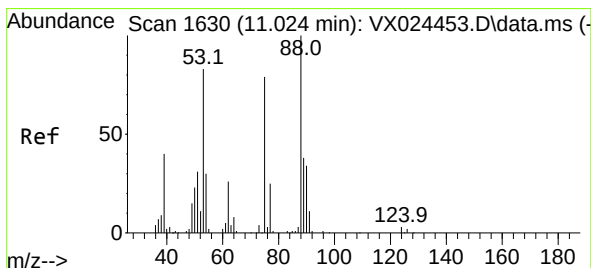
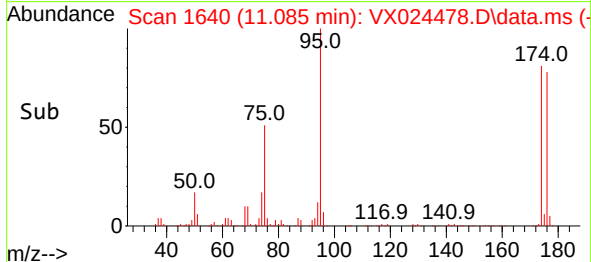
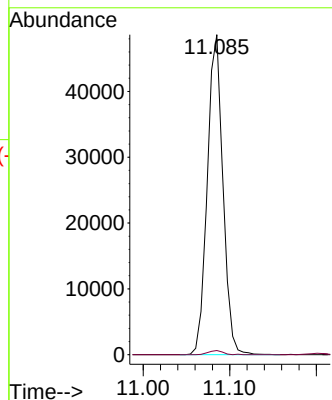
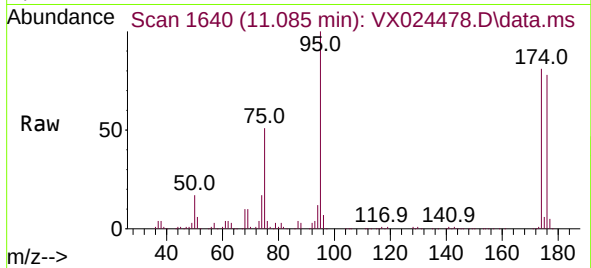




#76
1,2,3-Trichloropropane
Concen: 24.335 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

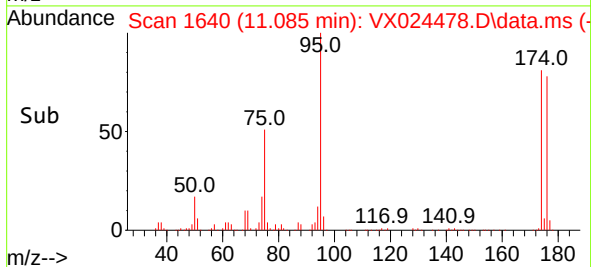
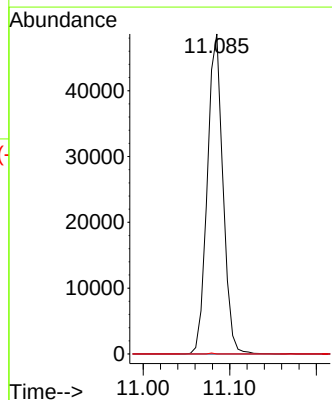
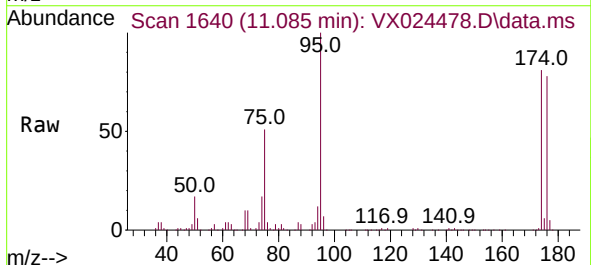
Instrument :
MSVOA_X
ClientSampleId :
EB01-20210917

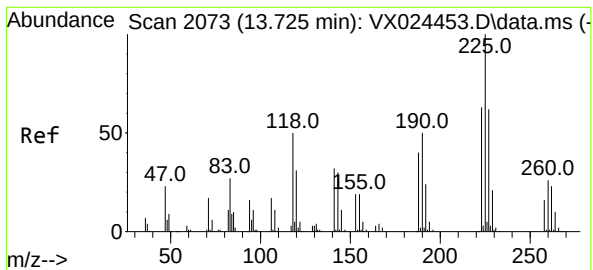
Tgt Ion: 75 Resp: 60869
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.413 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024478.D
Acq: 24 Sep 2021 03:28

Tgt Ion: 75 Resp: 60869
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 0.203 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX024478.D
 Acq: 24 Sep 2021 03:28

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20210917

Tgt Ion:	225	Resp:	223
Ion	Ratio	Lower	Upper
225	100		
223	30.0	31.1	93.2#
227	37.7	31.6	95.0

