

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100121\
 Data File : VX024502.D
 Acq On : 01 Oct 2021 15:47
 Operator : JC/MD
 Sample : M3938-06
 Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 01 16:34:05 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)

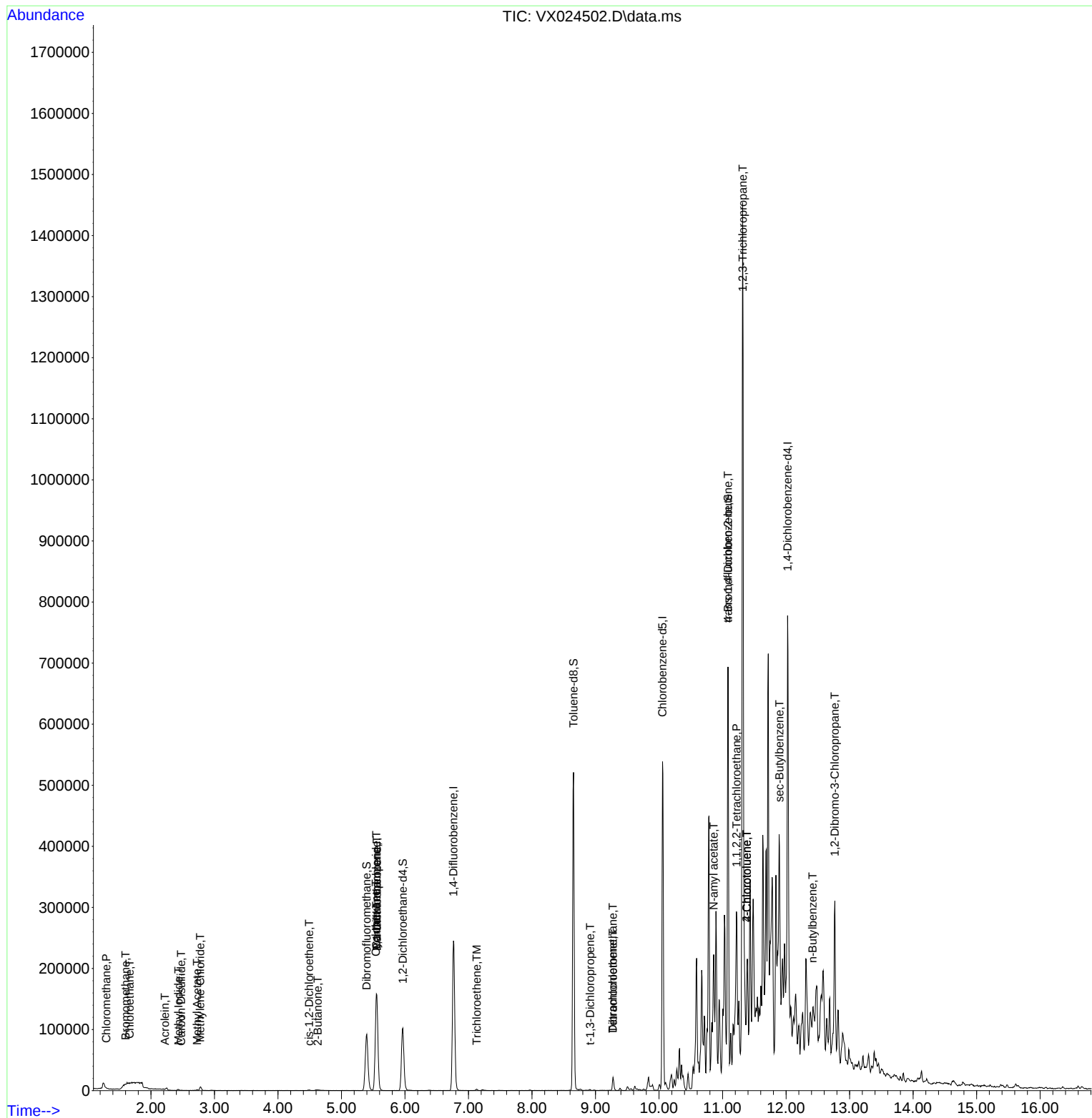
Internal Standards						
1) Pentafluorobenzene	5.556	168	152771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107655	50.000	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.000%		
35) Dibromofluoromethane	5.397	113	81458	47.362	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.720%		
50) Toluene-d8	8.653	98	315670	49.867	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.740%		
62) 4-Bromofluorobenzene	11.085	95	133455	53.620	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	372	0.257	ug/l #	42
5) Bromomethane	1.599	94	362	0.355	ug/l #	67
6) Chloroethane	1.666	64	229	0.484	ug/l #	43
10) Methyl Iodide	2.434	142	820	0.389	ug/l	97
11) Tert butyl alcohol	2.959	59	345	Below Cal	#	73
13) Acrolein	2.221	56	53	10.494	ug/l #	7
16) Acetone	2.428	43	1280	Below Cal		90
17) Carbon Disulfide	2.477	76	372	0.330	ug/l #	75
18) Methyl Acetate	2.727	43	1178	0.365	ug/l #	83
20) Methylene Chloride	2.776	84	3054	0.769	ug/l #	93
25) 2-Butanone	4.623	43	2433	1.641	ug/l #	66
27) cis-1,2-Dichloroethene	4.489	96	746	0.401	ug/l	83
31) Cyclohexane	5.544	56	3276	1.271	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	11562	4.658	ug/l #	48
38) Carbon Tetrachloride	5.550	117	15868	5.873	ug/l #	17
44) Trichloroethene	7.129	130	892	0.457	ug/l	92
53) t-1,3-Dichloropropene	8.915	75	754	0.264	ug/l #	44
60) Dibromochloromethane	9.275	129	3598	2.820	ug/l #	11
64) Tetrachloroethene	9.275	164	3569	2.050	ug/l #	88
74) N-amyl acetate	10.860	43	42383	10.055	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.219	83	16631	5.132	ug/l #	26
76) 1,2,3-Trichloropropane	11.317	75	10000	3.397	ug/l #	37
79) 2-Chlorotoluene	11.384	91	1578	0.242	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.085	75	68340	63.443	ug/l #	14
82) 4-Chlorotoluene	11.384	91	1578	0.206	ug/l	90
85) sec-Butylbenzene	11.896	105	4317	0.447	ug/l	98
89) n-Butylbenzene	12.420	91	1508	0.207	ug/l	80
92) 1,2-Dibromo-3-Chloropr...	12.768	75	6131	7.835	ug/l #	13

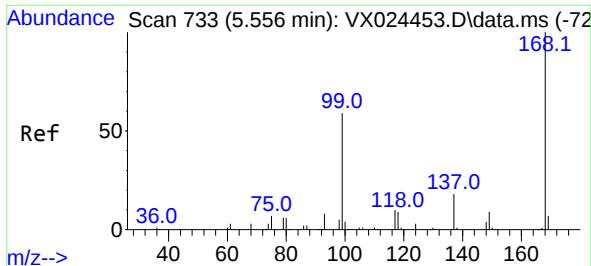
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100121\
Data File : VX024502.D
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Operator : JC/MD
Sample : M3938-06
Misc : 5.74g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 01 16:34:05 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

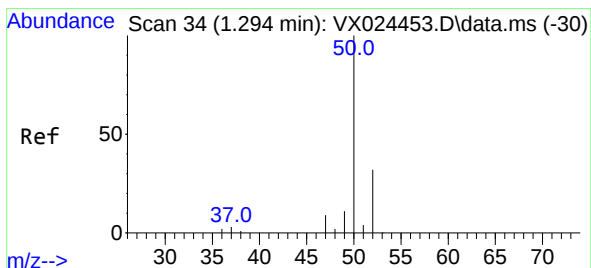
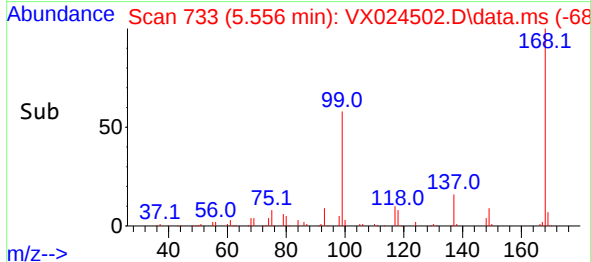
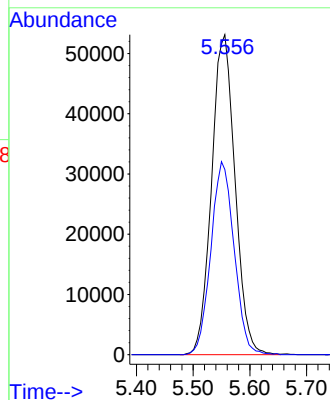
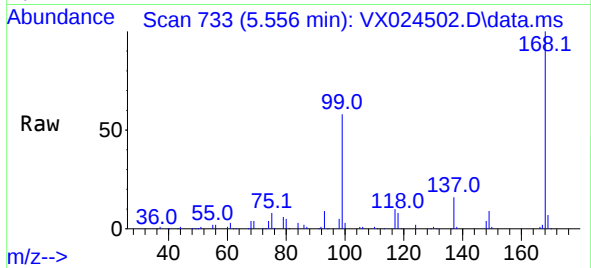




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

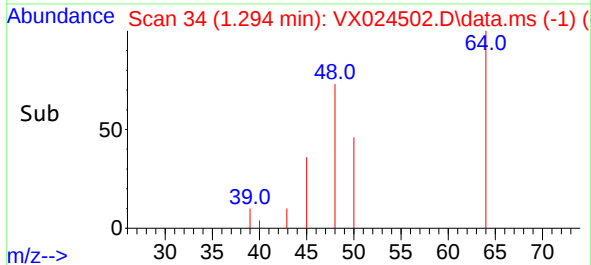
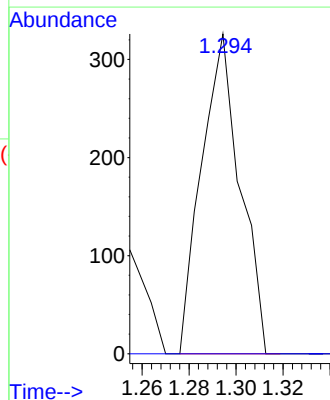
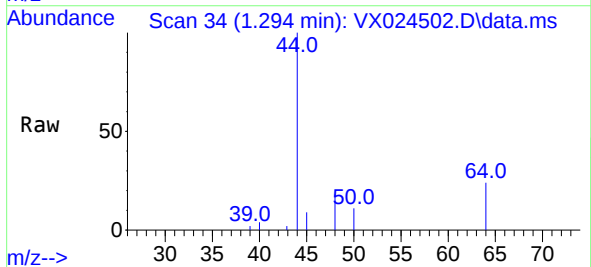
Instrument :
MSVOA_X
ClientSampled :

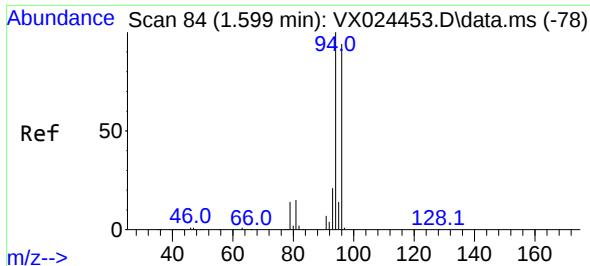
Tgt Ion:168 Resp: 152771
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

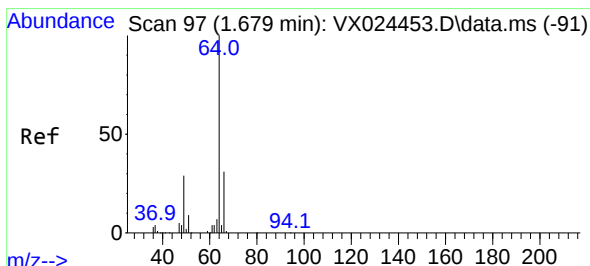
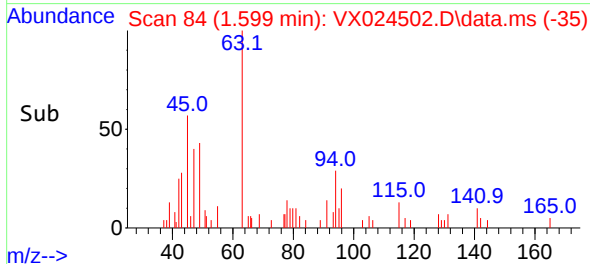
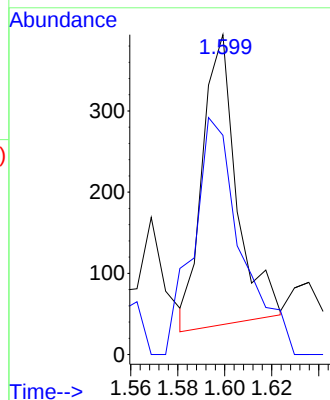
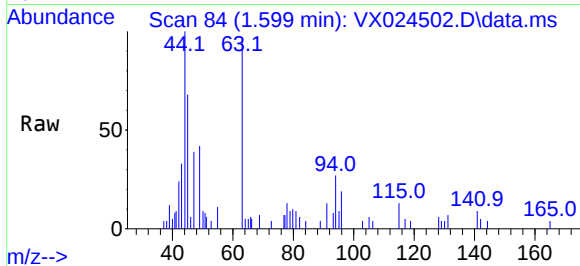




#5
Bromomethane
Concen: 0.355 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

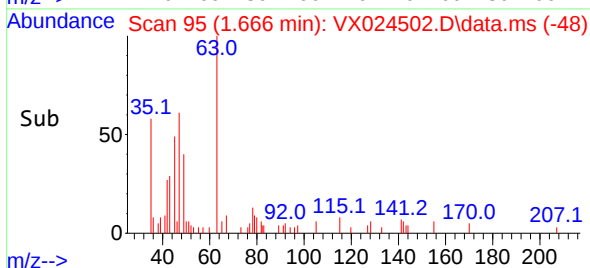
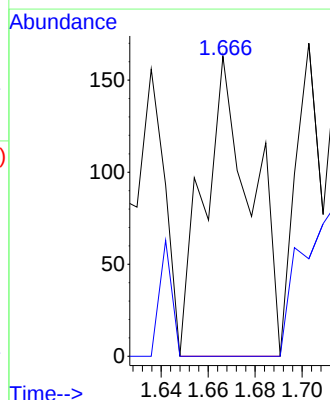
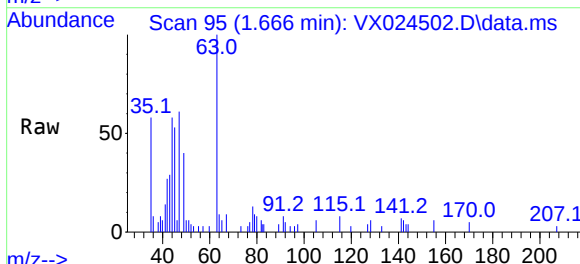
Instrument :
MSVOA_X
ClientSampleId :

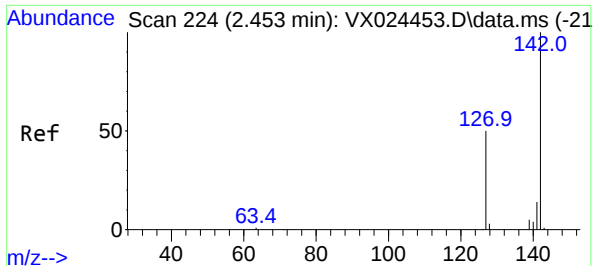
Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 63.0 76.4 114.6#



#6
Chloroethane
Concen: 0.484 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

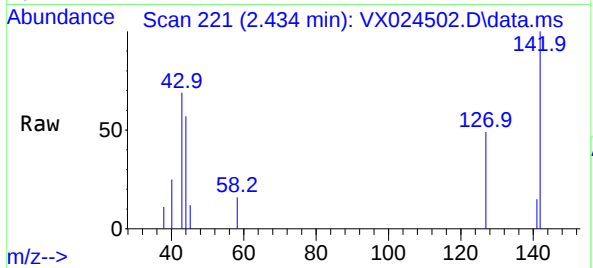
Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



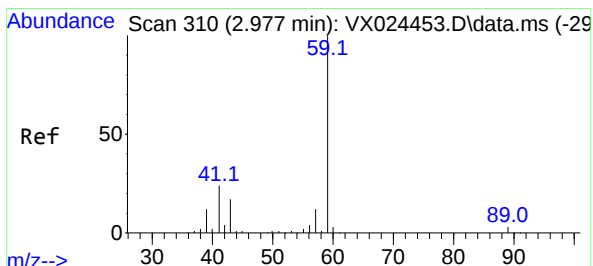
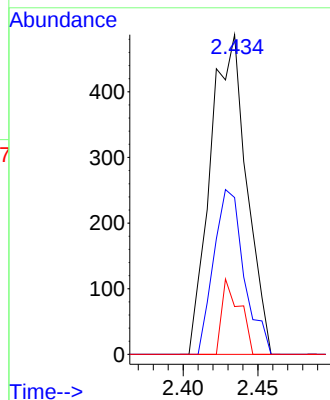
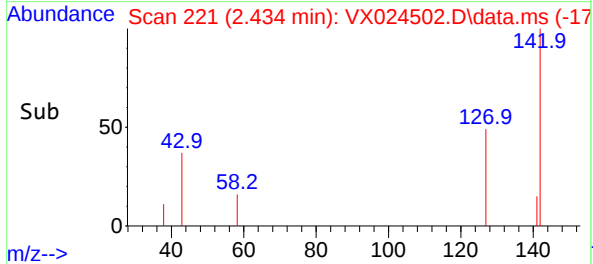


#10
Methyl Iodide
Concen: 0.389 ug/l
RT: 2.434 min Scan# 221
Delta R.T. -0.019 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

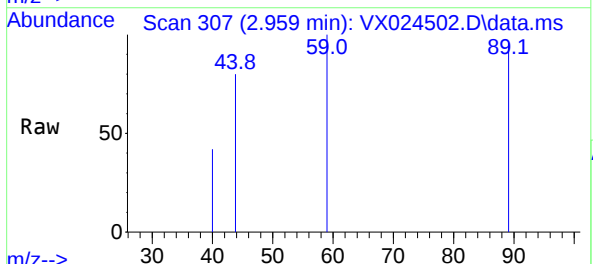
Instrument :
MSVOA_X
ClientSampled :



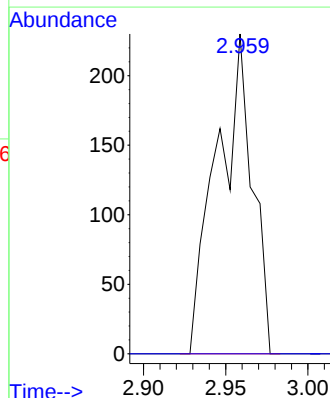
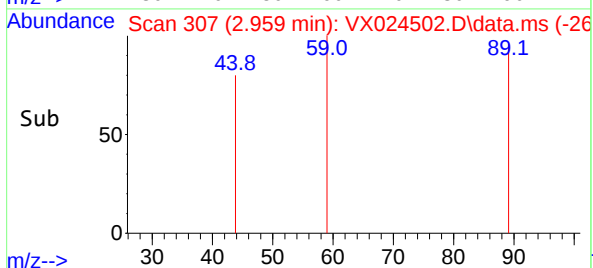
Tgt Ion:142 Resp: 820
Ion Ratio Lower Upper
142 100
127 43.2 33.3 49.9
141 11.7 11.4 17.0

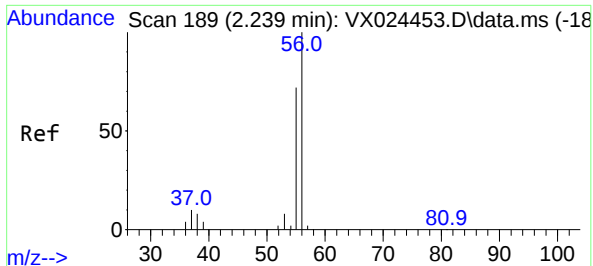


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47



Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 10.494 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX024502.D

Acq: 01 Oct 2021 15:47

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

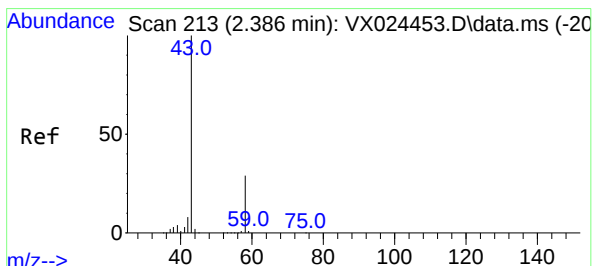
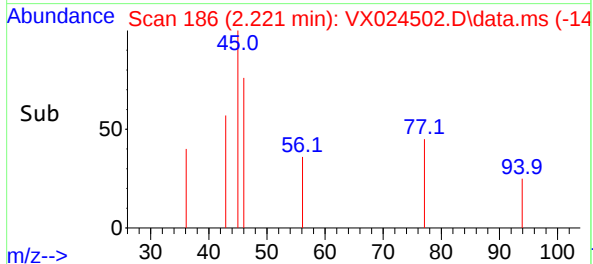
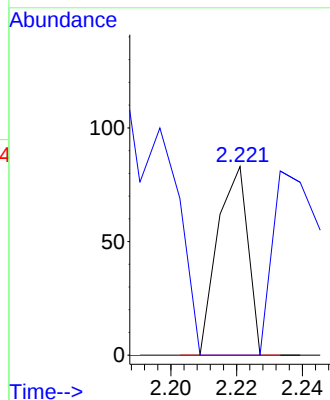
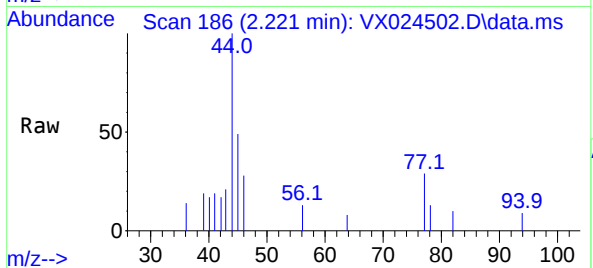
56 100

55 147.2 56.4 84.6#

Instrument :

MSVOA_X

ClientSampled :



#16

Acetone

Concen: Below Cal

RT: 2.428 min Scan# 220

Delta R.T. 0.042 min

Lab File: VX024502.D

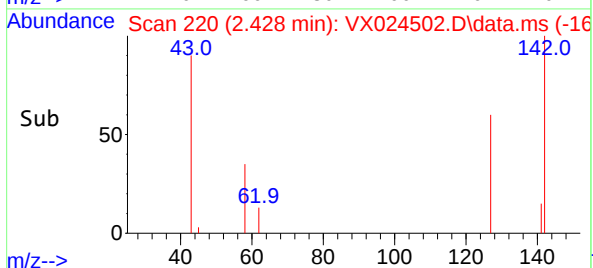
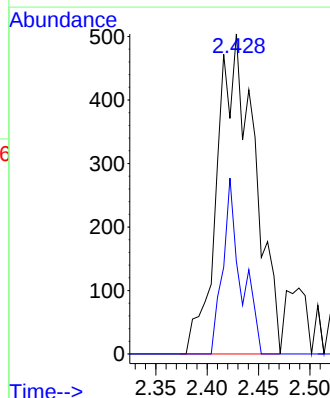
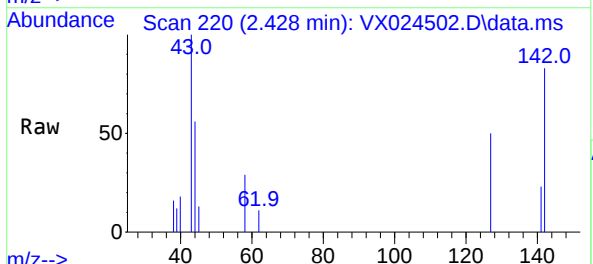
Acq: 01 Oct 2021 15:47

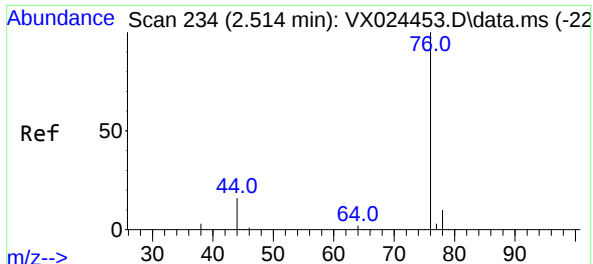
Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

58 29.0 27.8 41.8





#17

Carbon Disulfide

Concen: 0.330 ug/l

RT: 2.477 min Scan# 228

Delta R.T. -0.037 min

Lab File: VX024502.D

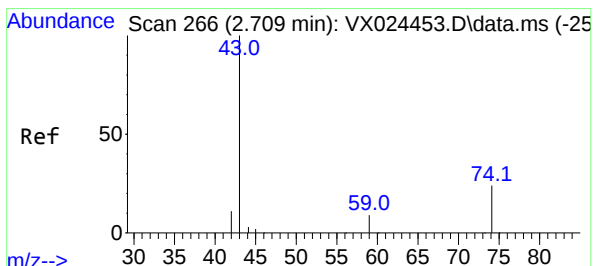
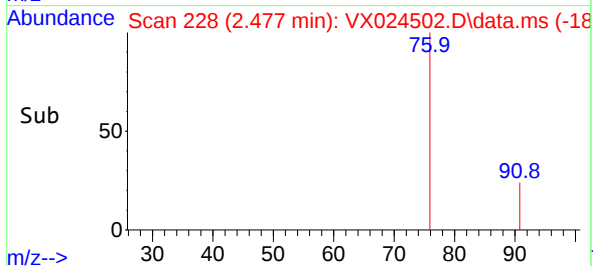
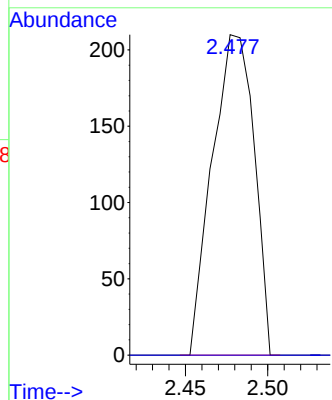
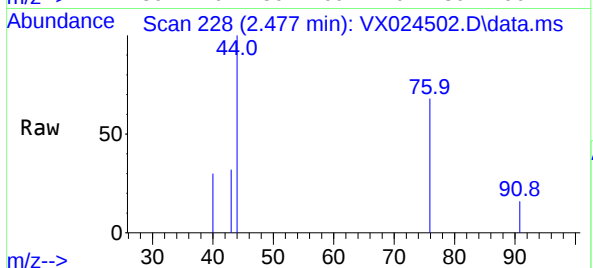
Acq: 01 Oct 2021 15:47

Tgt Ion: 76 Resp: 372

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.365 ug/l

RT: 2.727 min Scan# 269

Delta R.T. 0.018 min

Lab File: VX024502.D

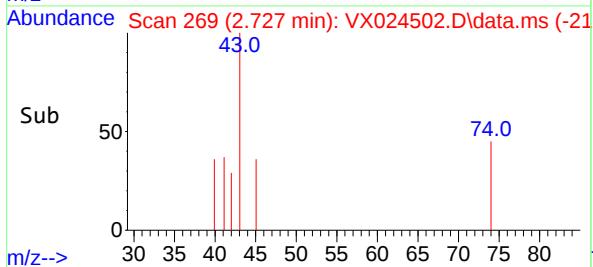
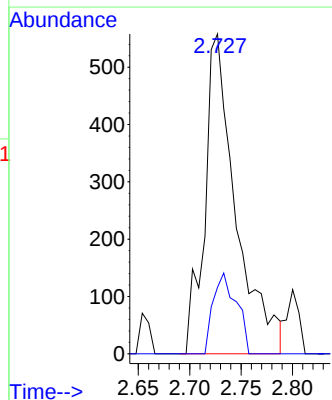
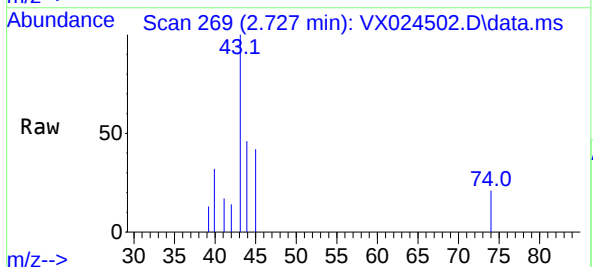
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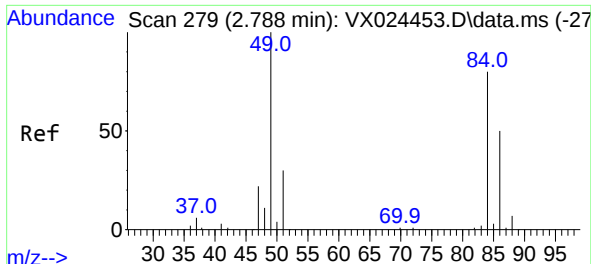
Tgt Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

74 18.8 21.9 32.9#



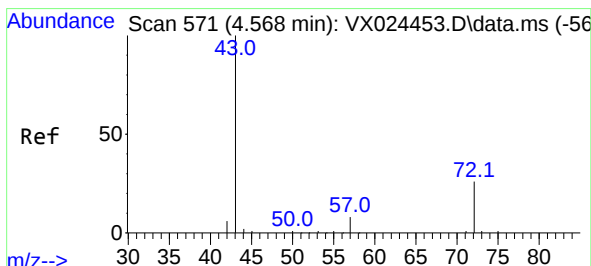
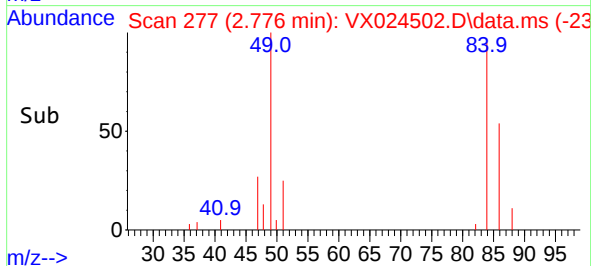
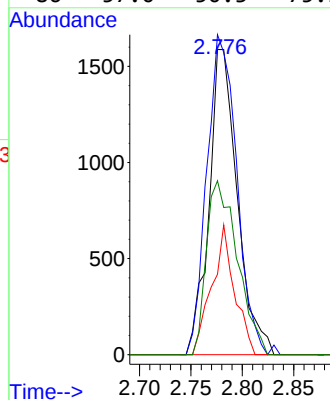
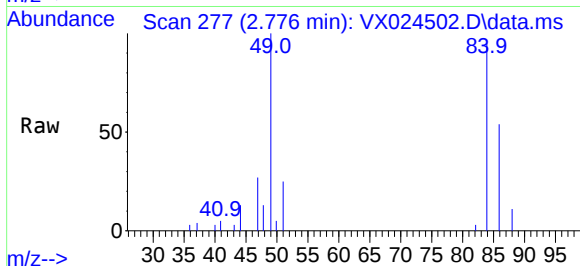


#20
Methylene Chloride
Concen: 0.769 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 3054

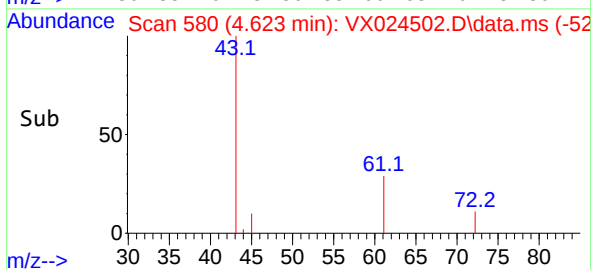
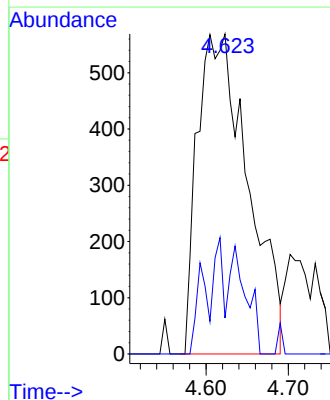
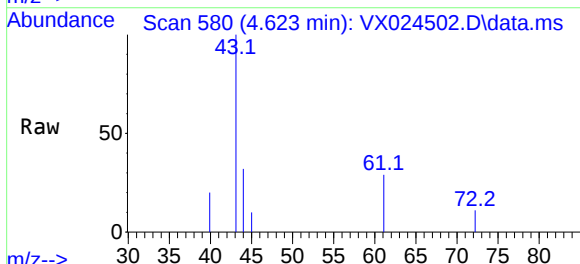
Ion	Ratio	Lower	Upper
84	100		
49	104.8	88.6	132.8
51	26.3	27.0	40.6#
86	57.0	50.3	75.5

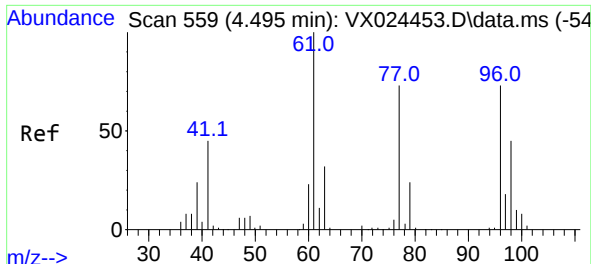


#25
2-Butanone
Concen: 1.641 ug/l
RT: 4.623 min Scan# 580
Delta R.T. 0.055 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 43 Resp: 2433

Ion	Ratio	Lower	Upper
43	100		
72	11.2	23.7	35.5#



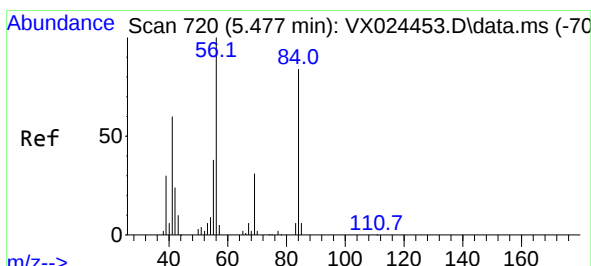
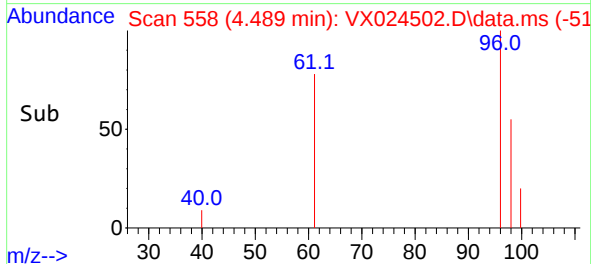
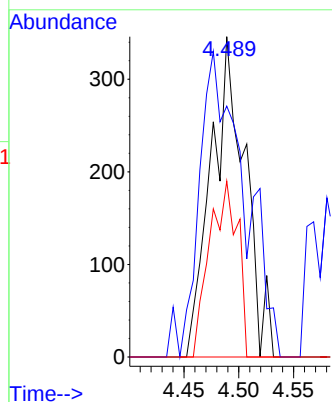
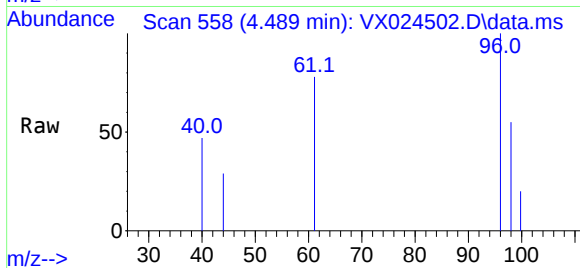


#27
cis-1,2-Dichloroethene
Concen: 0.401 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 96 Resp: 746

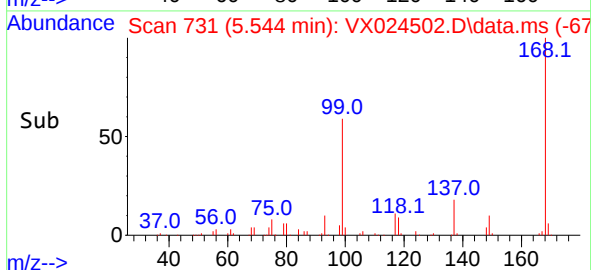
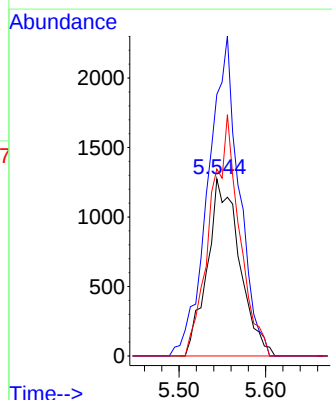
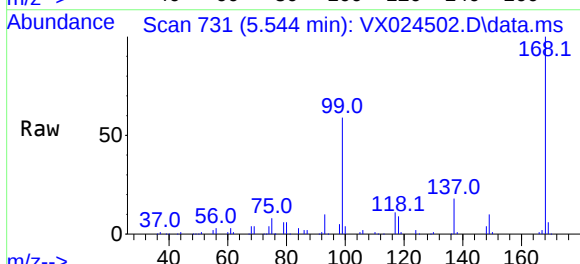
Ion	Ratio	Lower	Upper
96	100		
61	126.0	0.0	285.6
98	45.6	0.0	129.6

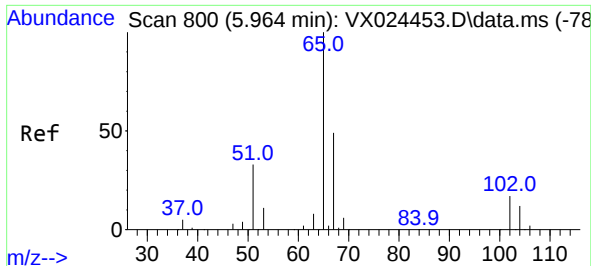


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 56 Resp: 3276

Ion	Ratio	Lower	Upper
56	100		
69	147.7	25.3	37.9#
84	105.5	71.4	107.0



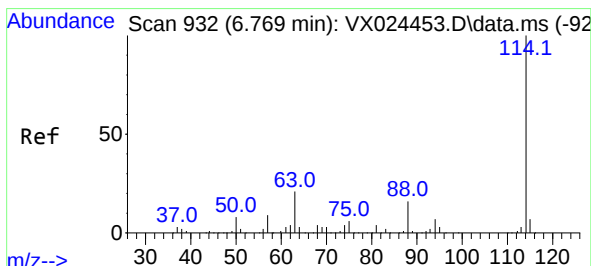
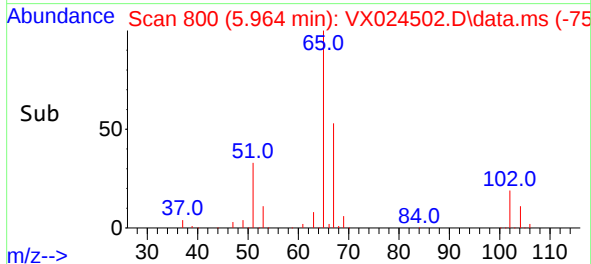
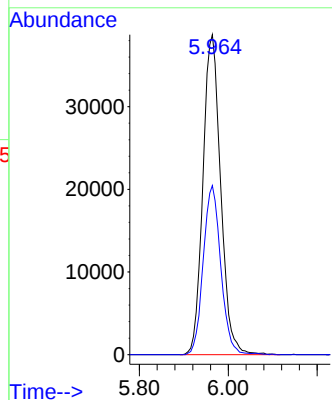
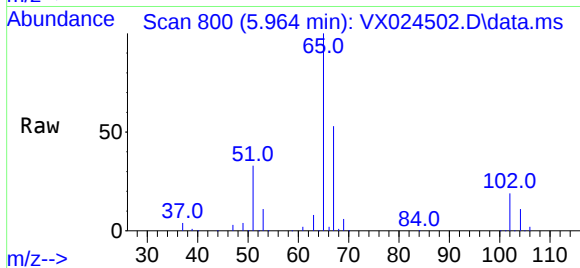


#33

1,2-Dichloroethane-d4
Concen: 50.000 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Instrument :
MSVOA_X
ClientSampled :

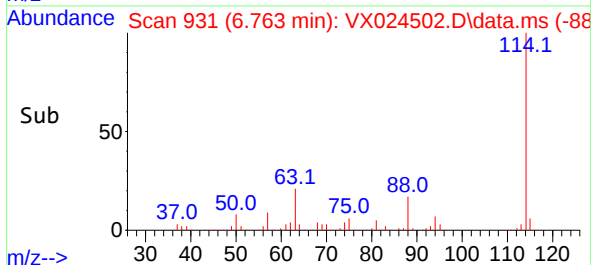
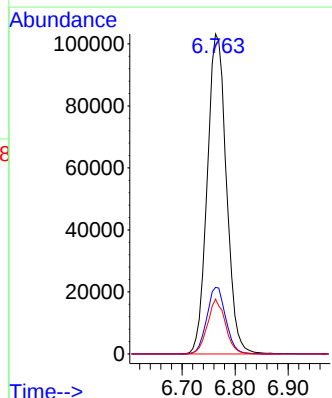
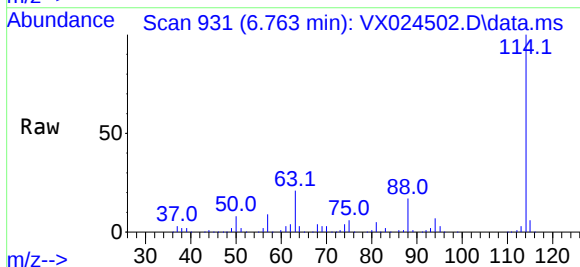
Tgt Ion: 65 Resp: 107655
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

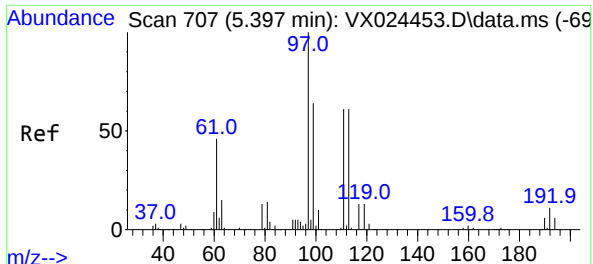


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 114 Resp: 258896
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 17.1 0.0 32.8

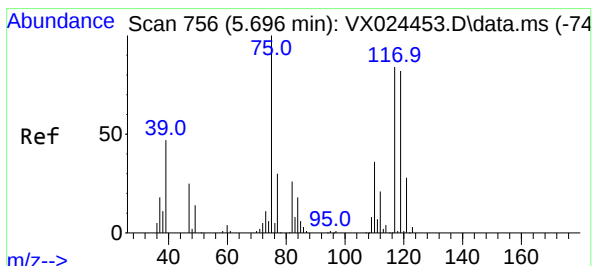
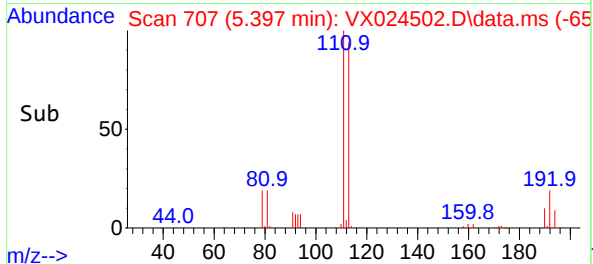
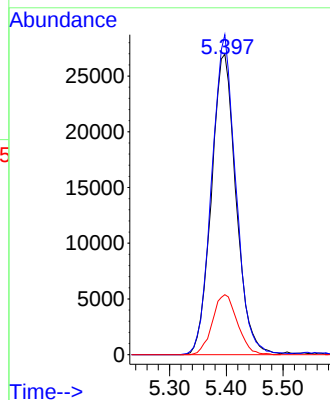
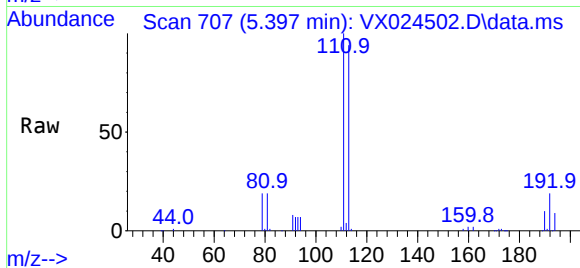




#35
Dibromofluoromethane
Concen: 47.362 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

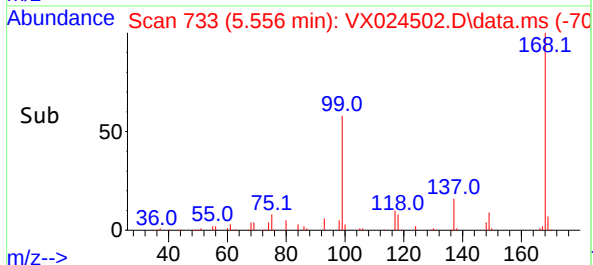
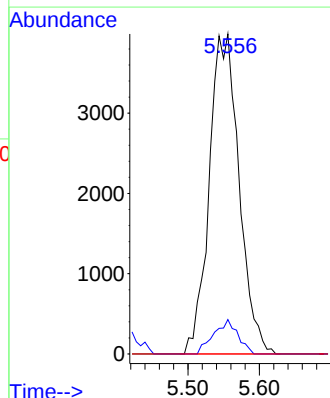
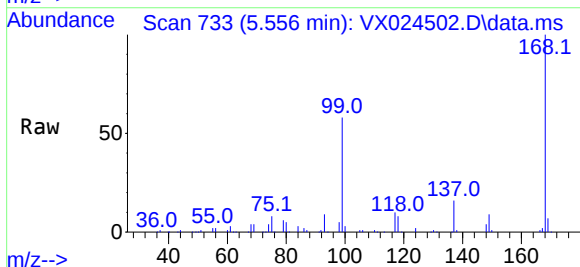
Instrument :
MSVOA_X
ClientSampled :

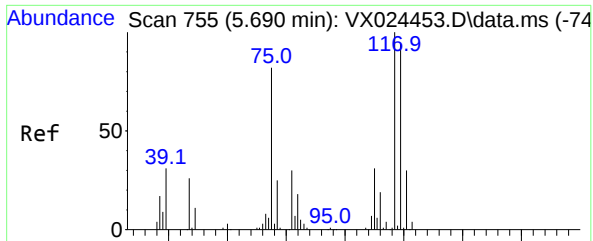
Tgt Ion:113 Resp: 81458
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 20.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

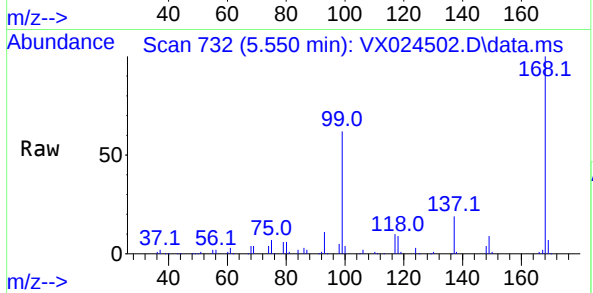
Tgt Ion: 75 Resp: 11562
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



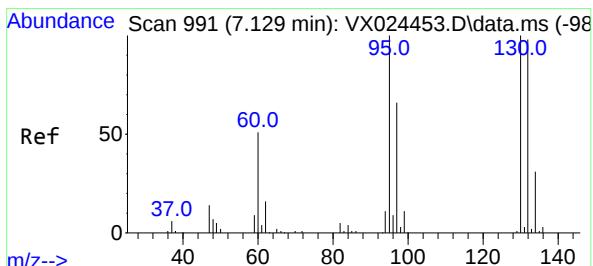
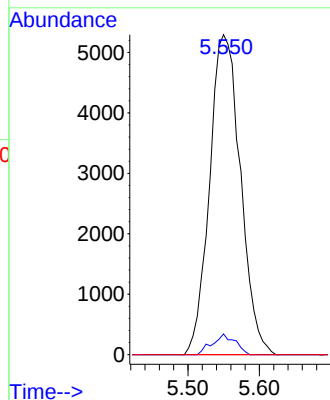
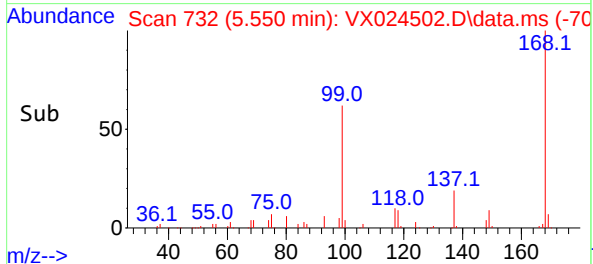


#38
Carbon Tetrachloride
Concen: 5.873 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

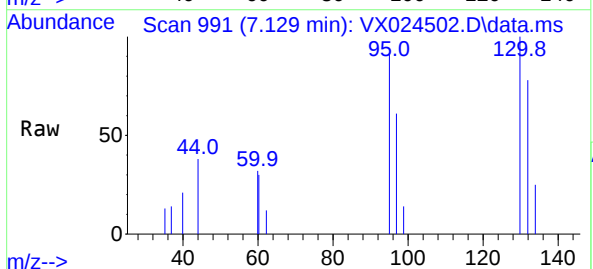
Instrument :
MSVOA_X
ClientSampled :



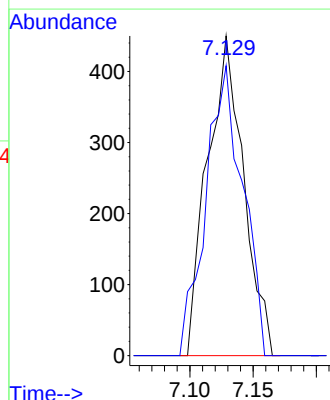
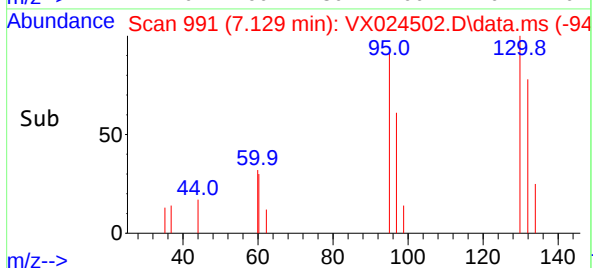
Tgt Ion:117 Resp: 15868
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#

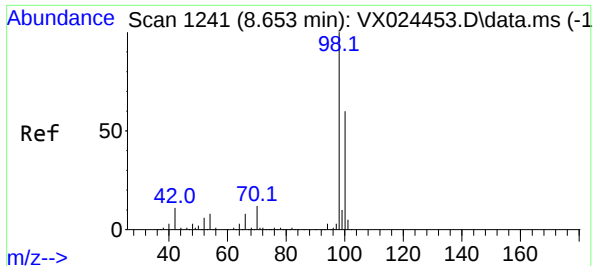


#44
Trichloroethene
Concen: 0.457 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47



Tgt Ion:130 Resp: 892
Ion Ratio Lower Upper
130 100
95 90.7 0.0 198.0

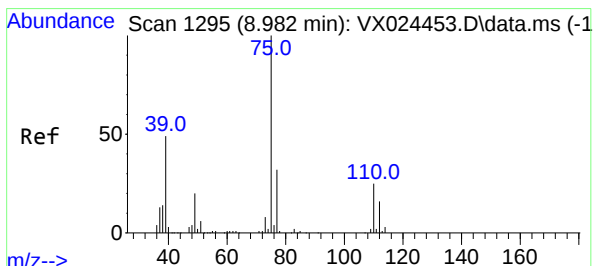
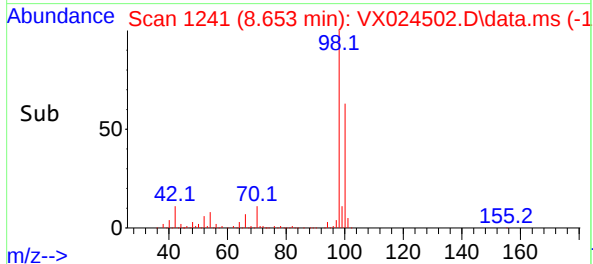
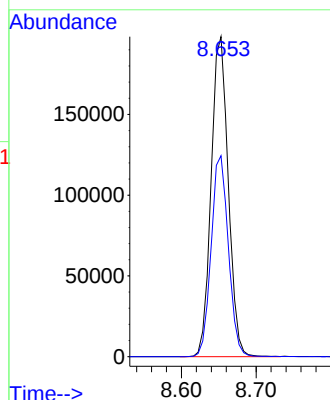
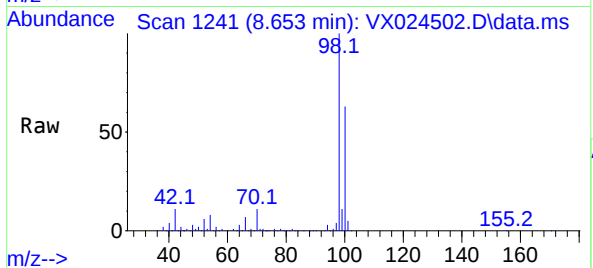




#50
Toluene-d8
Concen: 49.867 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

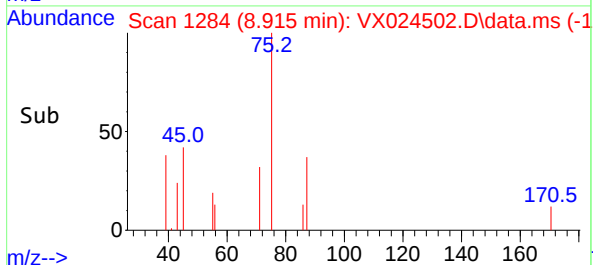
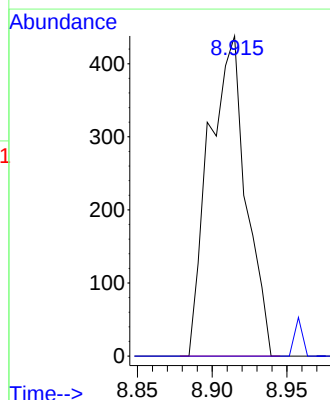
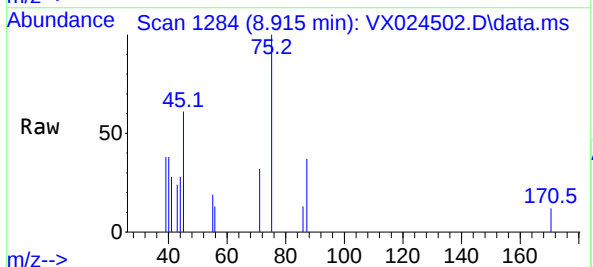
Instrument :
MSVOA_X
ClientSampled :

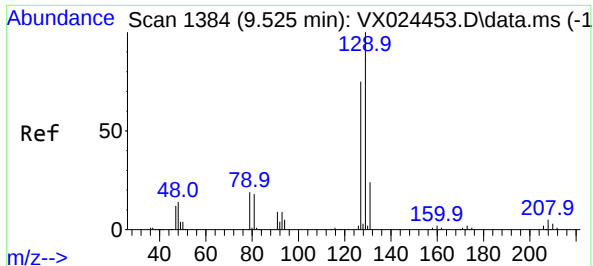
Tgt Ion: 98 Resp: 315670
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 8.915 min Scan# 1284
Delta R.T. -0.067 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 75 Resp: 754
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#





#60

Dibromochloromethane

Concen: 2.820 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX024502.D

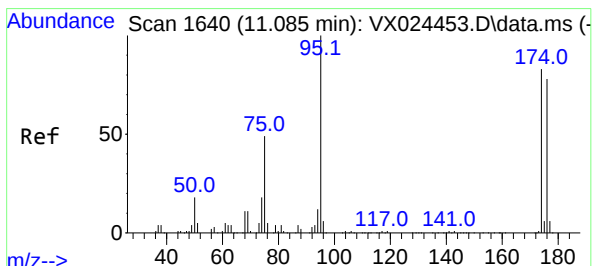
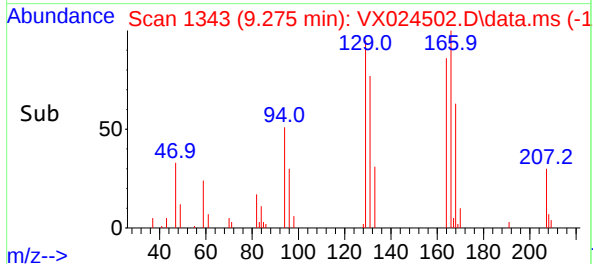
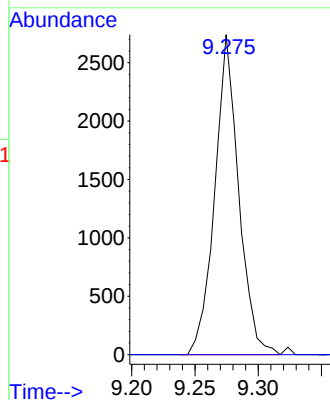
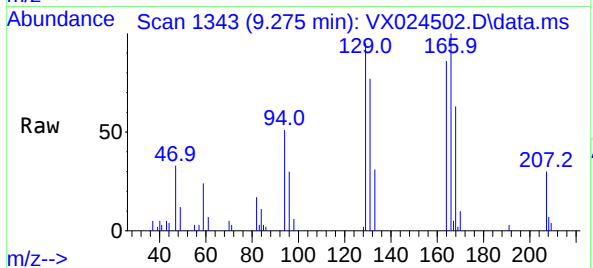
Acq: 01 Oct 2021 15:47

Tgt Ion:129 Resp: 3598

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 53.620 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024502.D

Acq: 01 Oct 2021 15:47

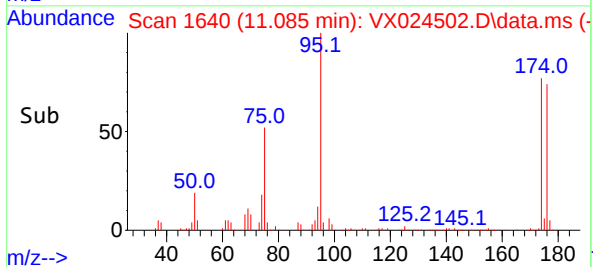
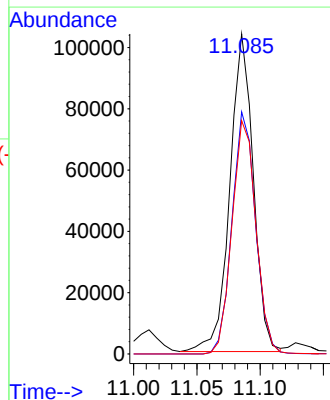
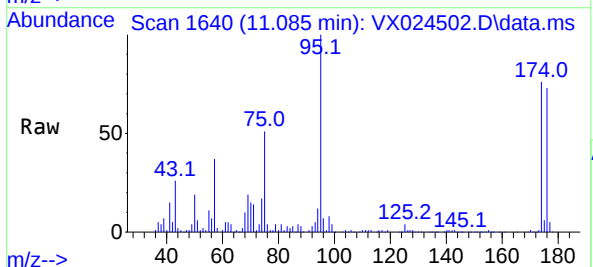
Tgt Ion: 95 Resp: 133455

Ion Ratio Lower Upper

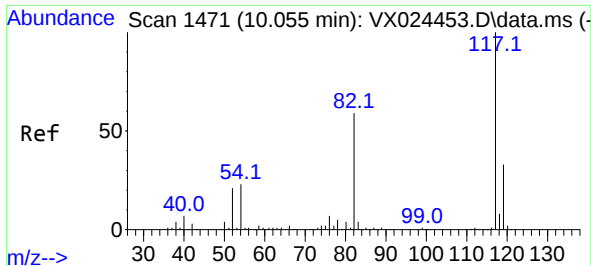
95 100

174 76.6 0.0 154.6

176 75.2 0.0 155.8



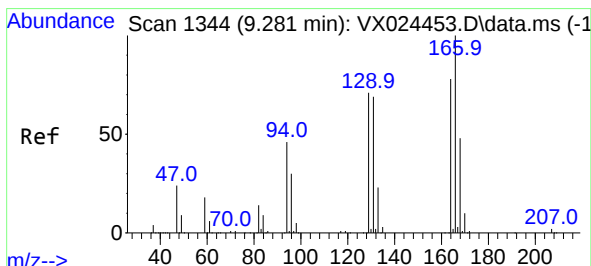
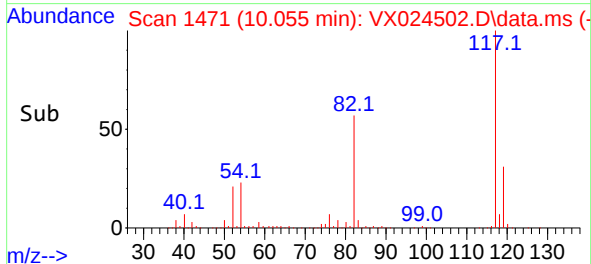
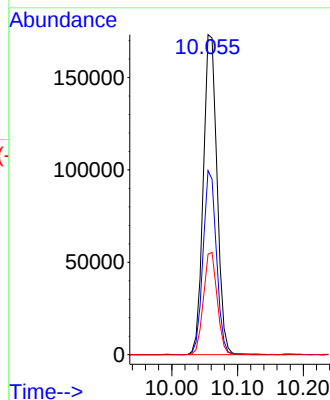
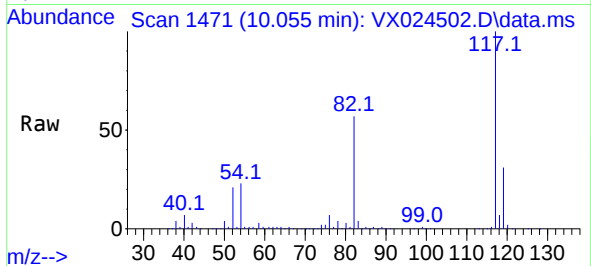
Instrument :
MSVOA_X
ClientSampled :



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

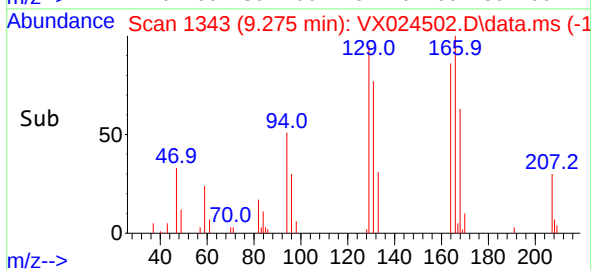
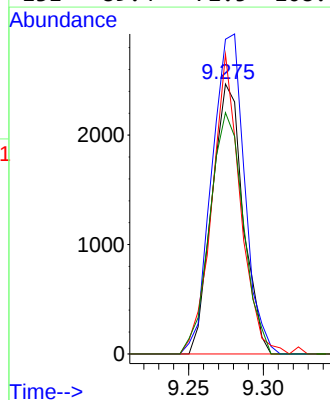
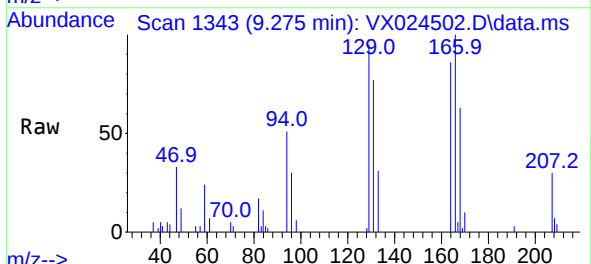
Instrument :
MSVOA_X
ClientSampled :

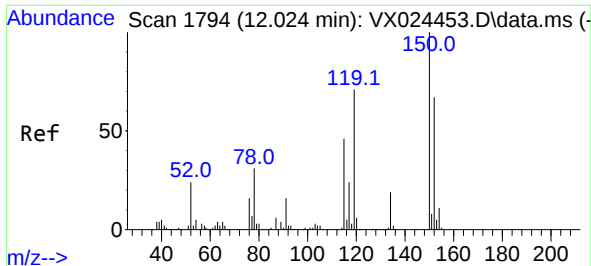
Tgt Ion:117 Resp: 251554
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.4 26.6 39.8



#64
Tetrachloroethene
Concen: 2.050 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion:164 Resp: 3569
Ion Ratio Lower Upper
164 100
166 116.6 103.4 155.2
129 111.0 70.8 106.2#
131 89.4 72.5 108.7

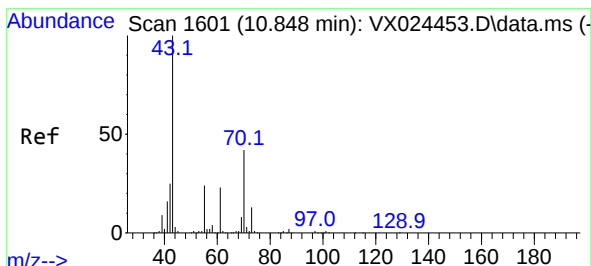
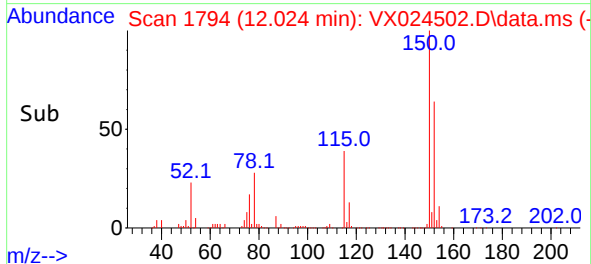
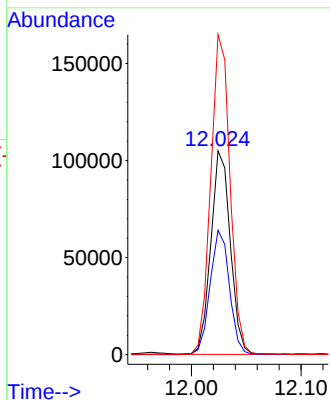
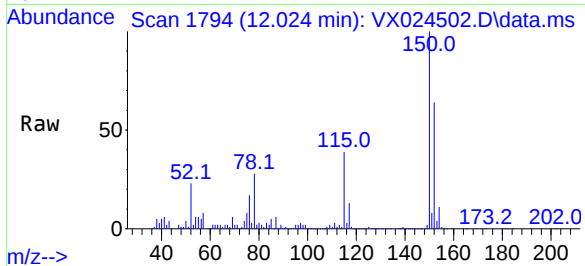




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

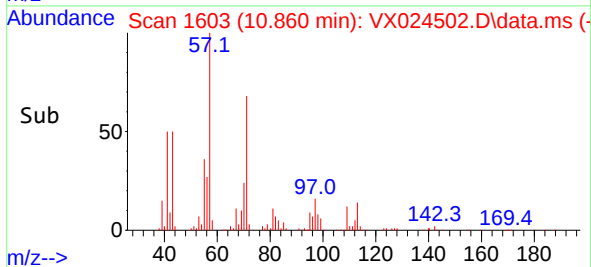
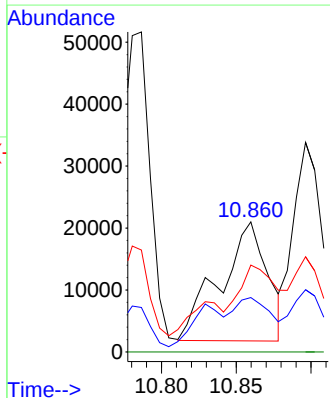
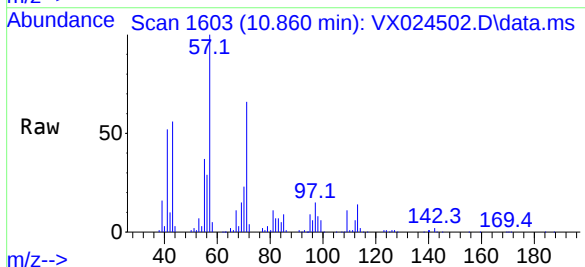
Instrument :
MSVOA_X
ClientSampleId :

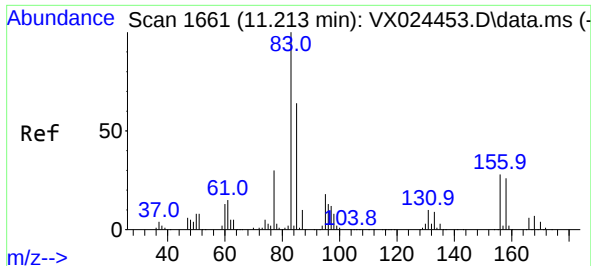
Tgt Ion:152 Resp: 129632
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 156.5 0.0 349.0



#74
N-ethyl acetate
Concen: 10.055 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.012 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 43 Resp: 42383
Ion Ratio Lower Upper
43 100
70 33.4 39.0 58.6#
55 58.4 21.5 32.3#
61 0.0 22.1 33.1#

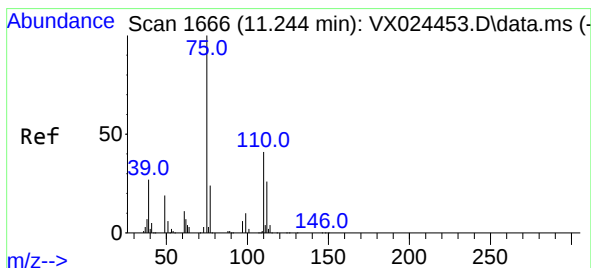
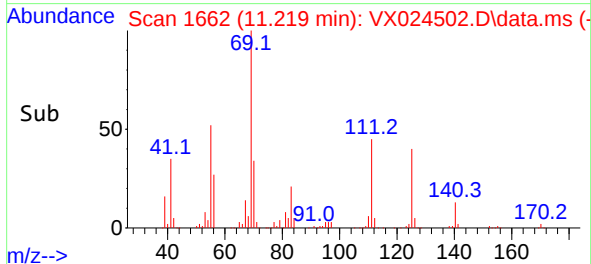
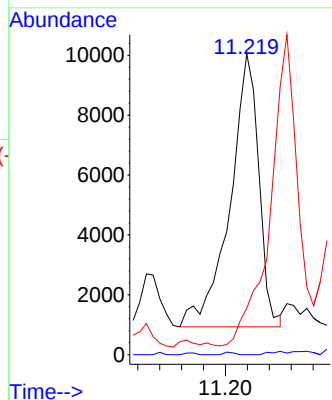
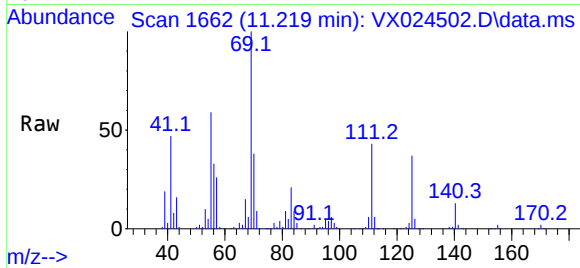




#75
1,1,2,2-Tetrachloroethane
Concen: 5.132 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

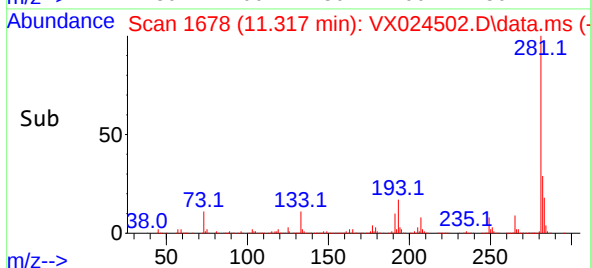
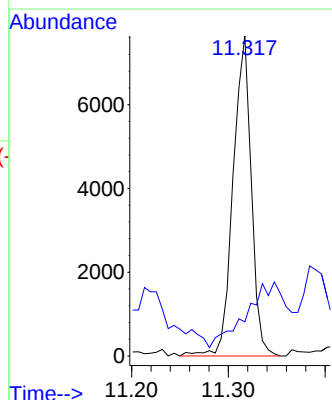
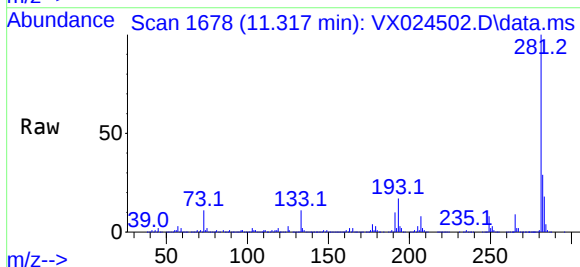
Instrument :
MSVOA_X
ClientSampled :

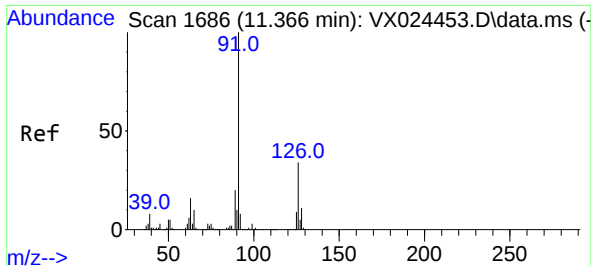
Tgt Ion: 83 Resp: 16631
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 3.397 ug/l
RT: 11.317 min Scan# 1678
Delta R.T. 0.073 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 75 Resp: 10000
Ion Ratio Lower Upper
75 100
77 0.0 19.1 57.5#

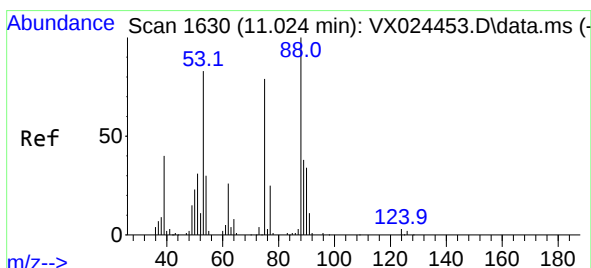
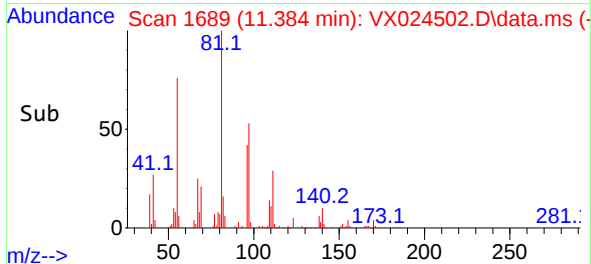
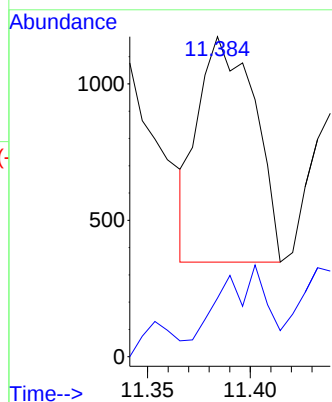
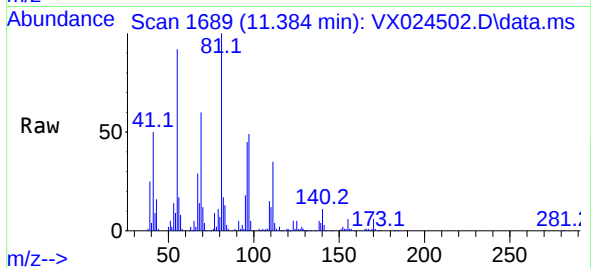




#79
2-Chlorotoluene
Concen: 0.242 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

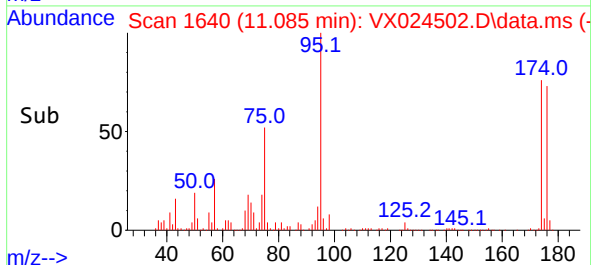
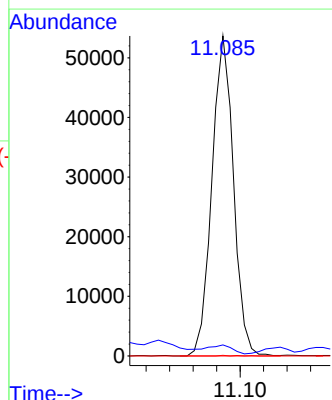
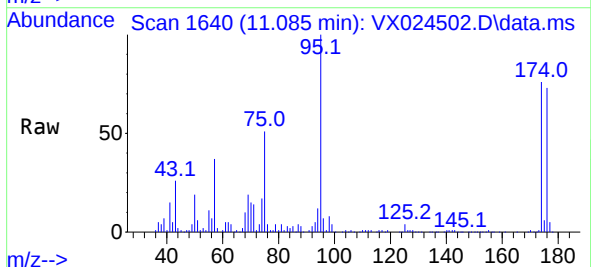
Instrument :
MSVOA_X
ClientSampled :

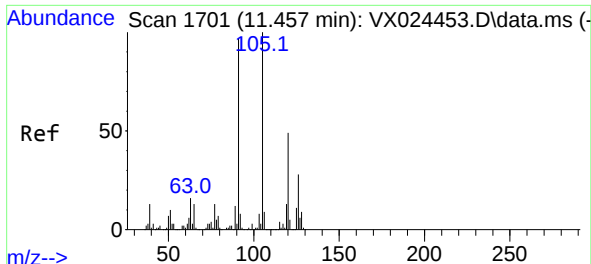
Tgt Ion: 91 Resp: 1578
Ion Ratio Lower Upper
91 100
126 24.5 16.6 49.8



#81
trans-1,4-Dichloro-2-butene
Concen: 63.443 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 75 Resp: 68340
Ion Ratio Lower Upper
75 100
53 3.2 74.5 111.7#
89 0.1 37.9 56.9#

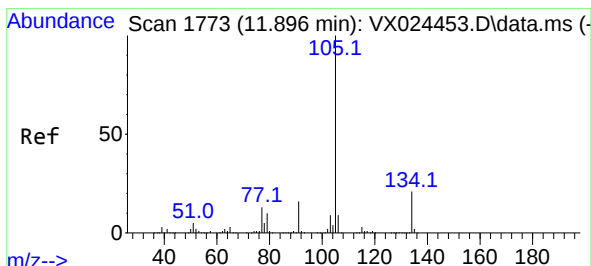
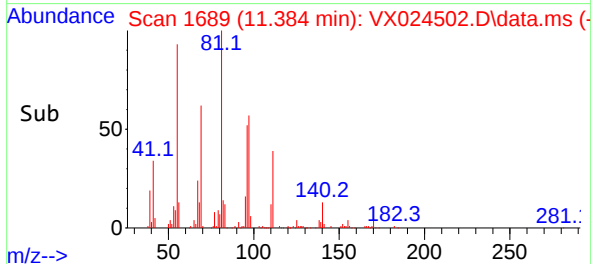
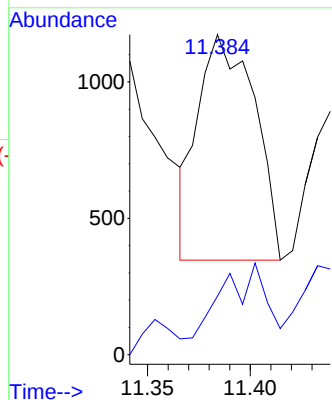
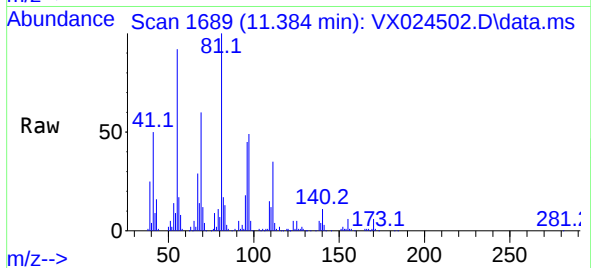




#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. -0.073 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

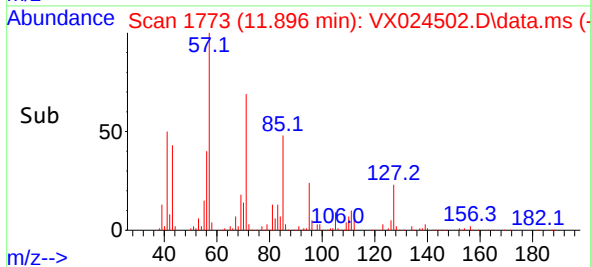
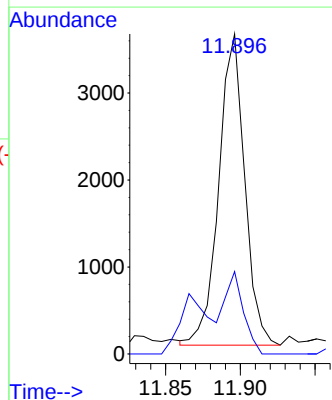
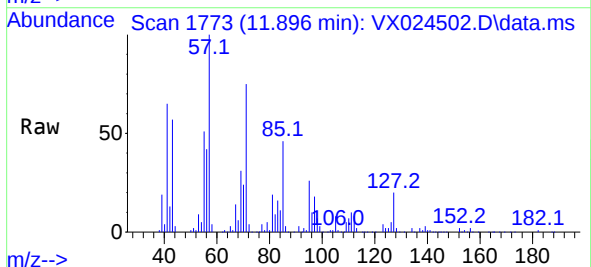
Instrument :
MSVOA_X
ClientSampled :

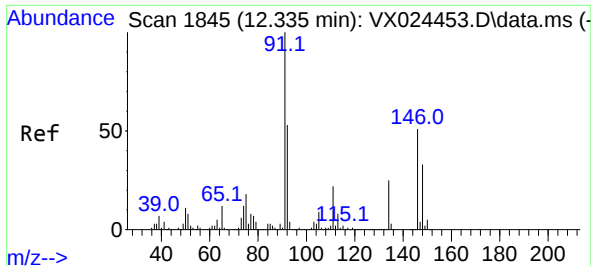
Tgt Ion: 91 Resp: 1578
Ion Ratio Lower Upper
91 100
126 24.5 14.9 44.5



#85
sec-Butylbenzene
Concen: 0.447 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion: 105 Resp: 4317
Ion Ratio Lower Upper
105 100
134 19.0 10.0 29.8

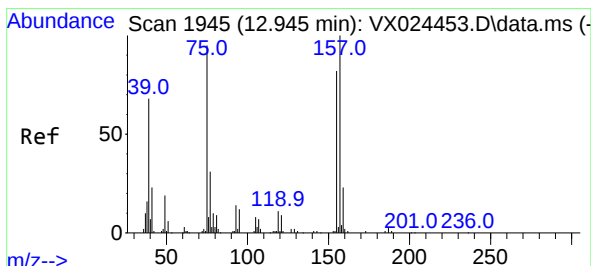
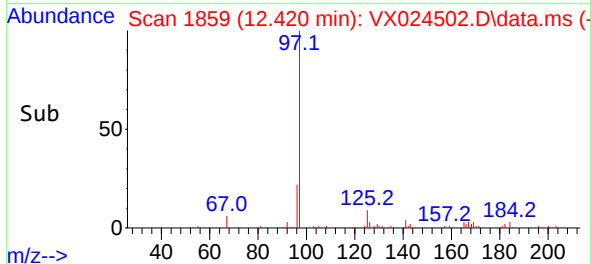
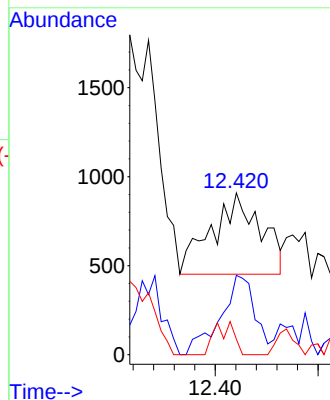
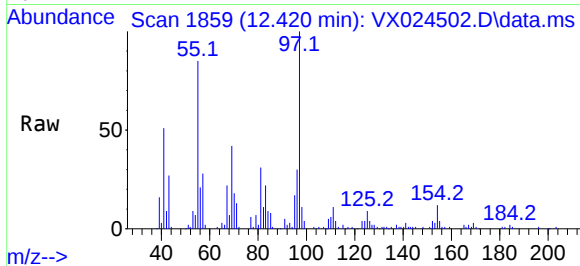




#89
n-Butylbenzene
Concen: 0.207 ug/l
RT: 12.420 min Scan# 1859
Delta R.T. 0.085 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:	91	Resp:	1508
Ion	Ratio	Lower	Upper
91	100		
92	68.4	27.4	82.0
134	15.6	13.2	39.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 7.835 ug/l
RT: 12.768 min Scan# 1916
Delta R.T. -0.177 min
Lab File: VX024502.D
Acq: 01 Oct 2021 15:47

Tgt Ion:	75	Resp:	6131
Ion	Ratio	Lower	Upper
75	100		
155	28.3	45.3	135.9#
157	3.2	57.7	173.1#

