

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024516.D
 Acq On : 04 Oct 2021 13:37
 Operator : JC/MD
 Sample : M3911-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-04-(0.5)RE

Quant Time: Oct 05 03:19:44 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)

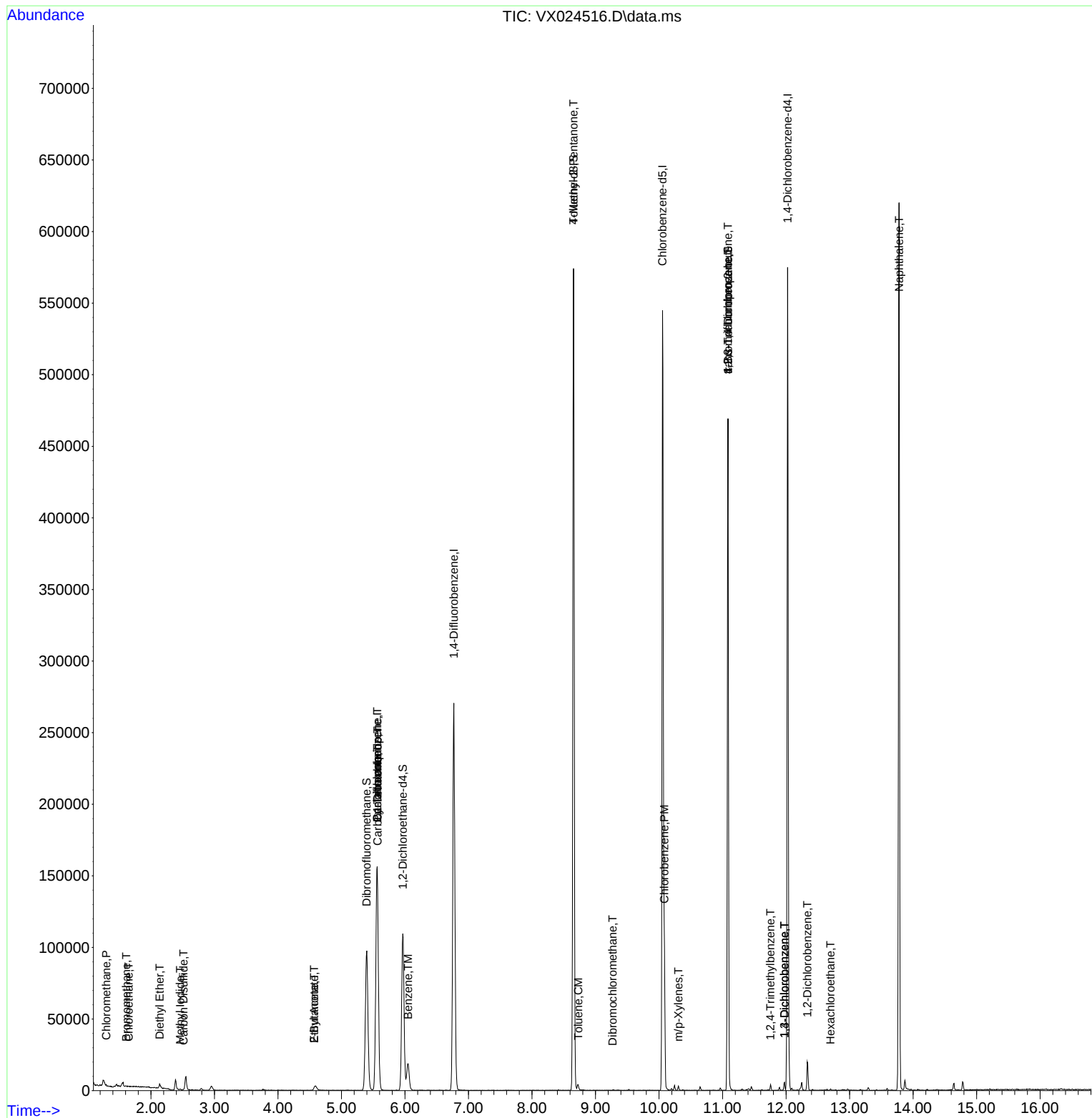
Internal Standards						
1) Pentafluorobenzene	5.562	168	144495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111805	54.901	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.800%	
35) Dibromofluoromethane	5.397	113	82167	46.600	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.200%	
50) Toluene-d8	8.653	98	344052	53.015	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	11.085	95	120475	47.215	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	421	0.307	ug/l	96
5) Bromomethane	1.611	94	338	0.350	ug/l #	68
6) Chloroethane	1.648	64	182	0.448	ug/l	97
8) Diethyl Ether	2.135	74	795	0.923	ug/l	86
10) Methyl Iodide	2.459	142	654	0.328	ug/l #	90
11) Tert butyl alcohol	2.958	59	2102	Below Cal	#	73
16) Acetone	2.385	43	7165	Below Cal		98
17) Carbon Disulfide	2.513	76	714	0.436	ug/l #	75
20) Methylene Chloride	2.794	84	655	Below Cal	#	89
25) 2-Butanone	4.568	43	944	0.673	ug/l	99
31) Cyclohexane	5.562	56	3175	1.302	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	11563	4.544	ug/l #	50
37) Ethyl Acetate	4.568	43	944	0.297	ug/l #	64
38) Carbon Tetrachloride	5.568	117	14928	5.390	ug/l #	16
40) Benzene	6.049	78	22527	3.096	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	1437	0.451	ug/l #	1
52) Toluene	8.726	92	1551	0.330	ug/l	99
60) Dibromochloromethane	9.268	129	83	1.224	ug/l #	11
65) Chlorobenzene	10.085	112	42942	8.703	ug/l	99
68) m/p-Xylenes	10.305	106	704	0.210	ug/l	84
76) 1,2,3-Trichloropropane	11.085	75	62690	23.735	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62690	64.821	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1755	0.251	ug/l	99
87) 1,3-Dichlorobenzene	11.975	146	1860	0.462	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	1860	0.447	ug/l	95
90) Hexachloroethane	12.701	117	478	0.393	ug/l #	9
91) 1,2-Dichlorobenzene	12.335	146	6588	1.654	ug/l	96
95) Naphthalene	13.780	128	371224	45.731	ug/l	99

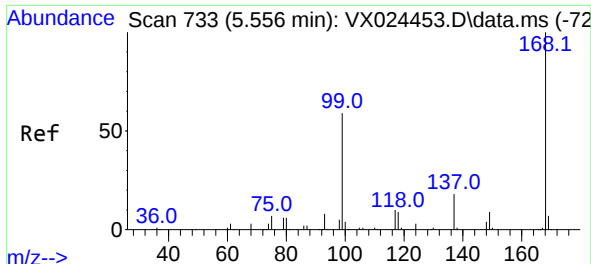
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
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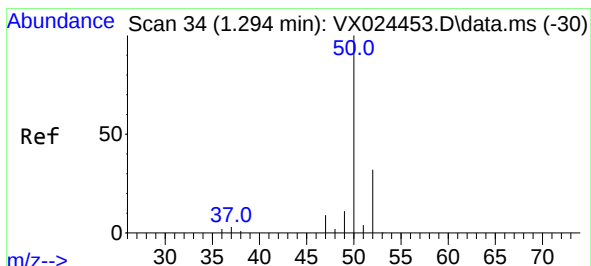
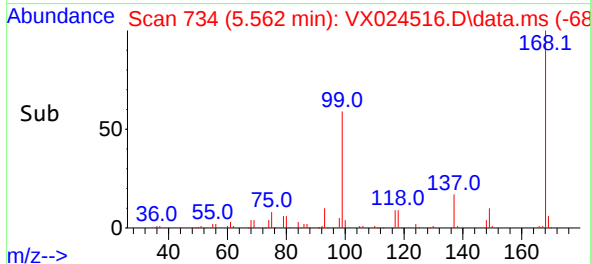
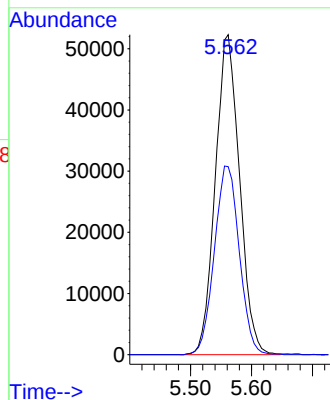
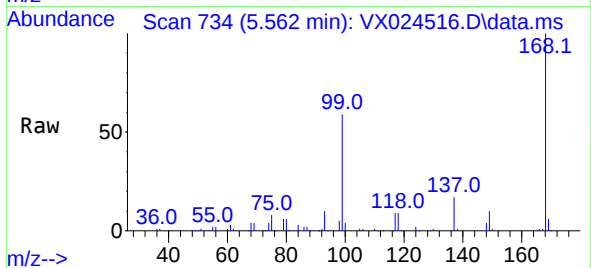




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

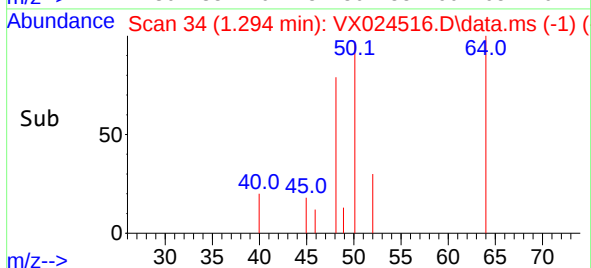
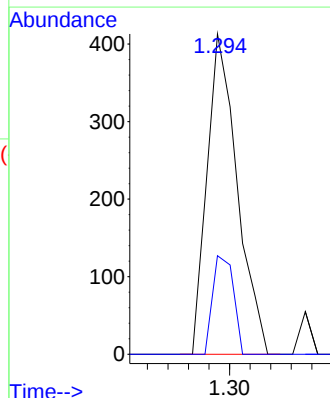
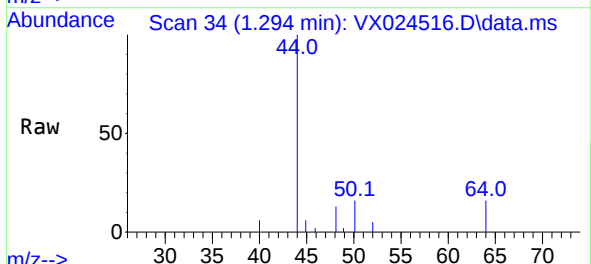
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

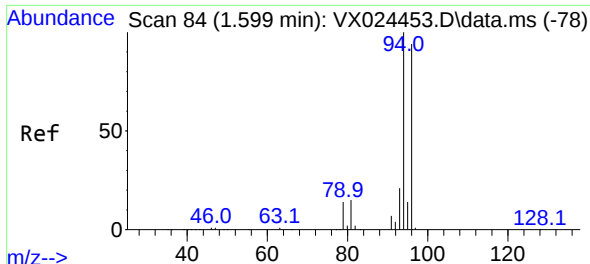
Tgt Ion:168 Resp: 144495
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#3
Chloromethane
Concen: 0.307 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6

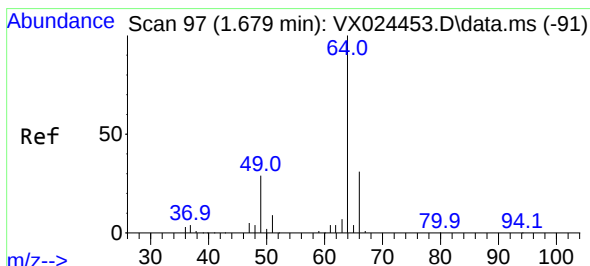
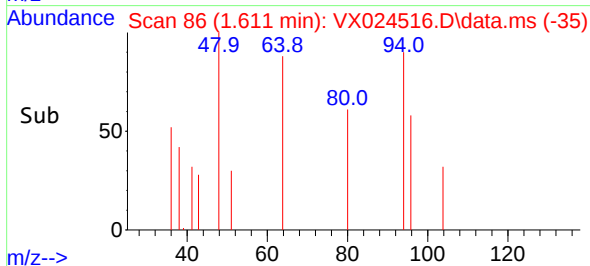
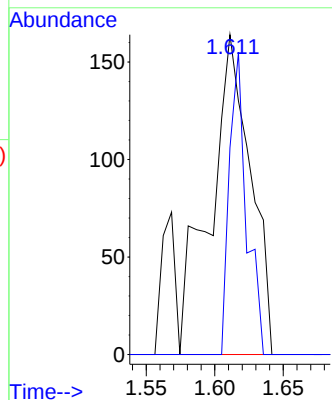
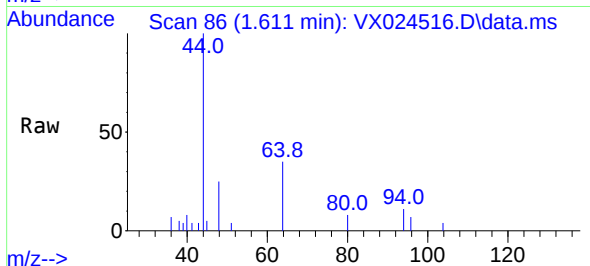




#5
Bromomethane
Concen: 0.350 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

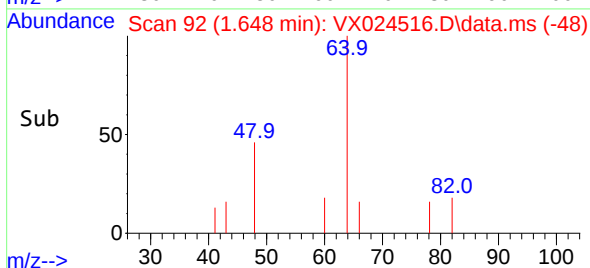
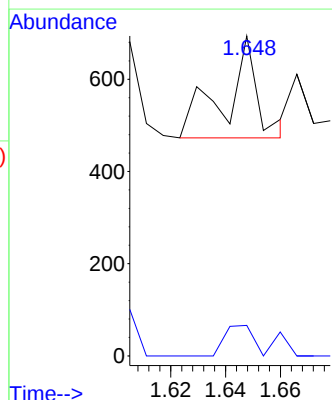
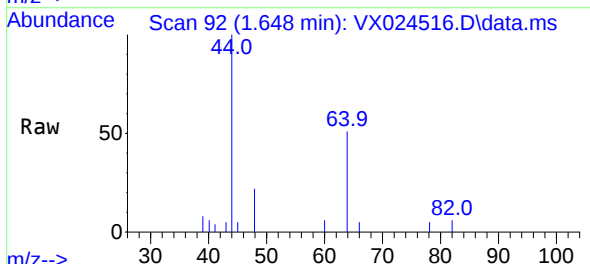
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

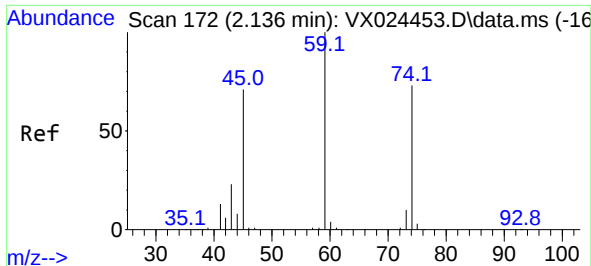
Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 64.6 76.4 114.6#



#6
Chloroethane
Concen: 0.448 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 29.9 25.4 38.0

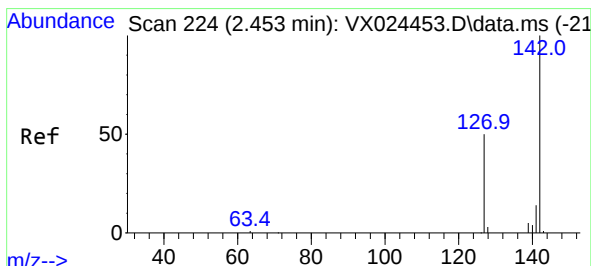
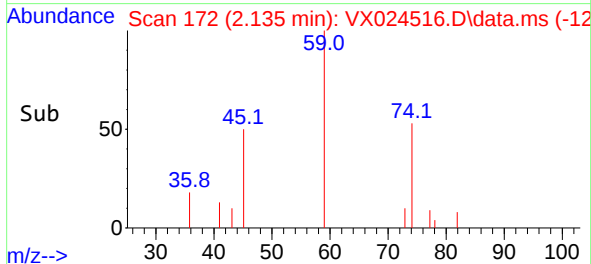
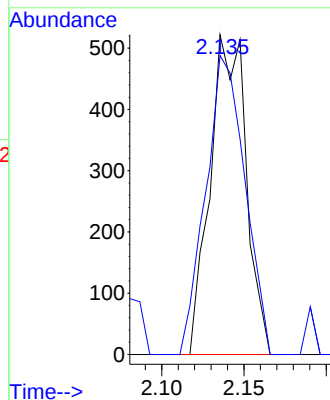
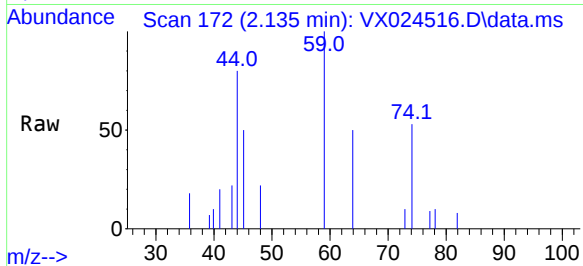




#8
Diethyl Ether
Concen: 0.923 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.001 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

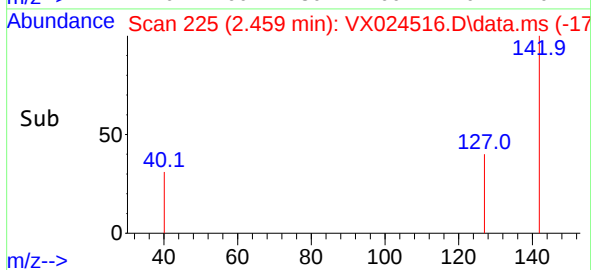
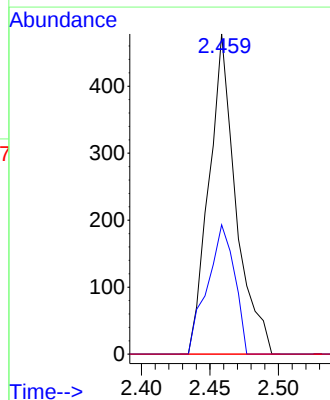
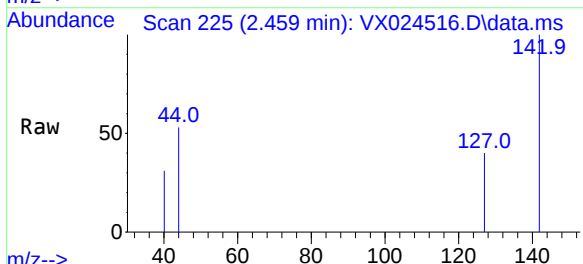
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

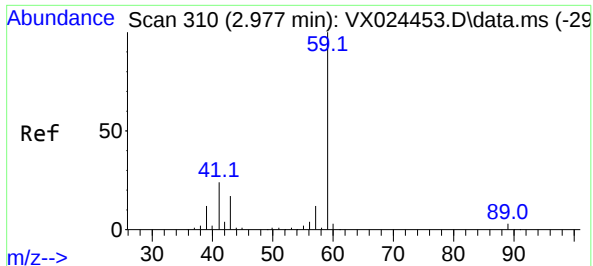
Tgt Ion: 74 Resp: 795
Ion Ratio Lower Upper
74 100
45 102.1 44.5 133.5



#10
Methyl Iodide
Concen: 0.328 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 142 Resp: 654
Ion Ratio Lower Upper
142 100
127 40.7 33.3 49.9
141 0.0 11.4 17.0#



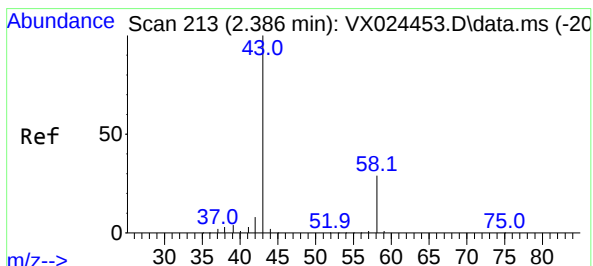
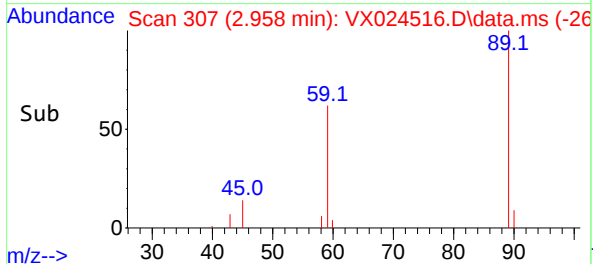
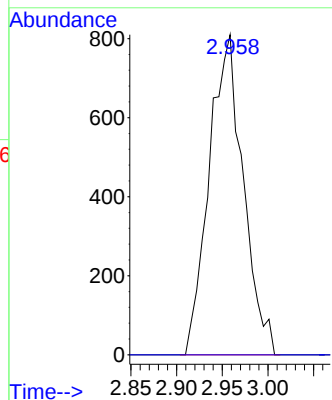
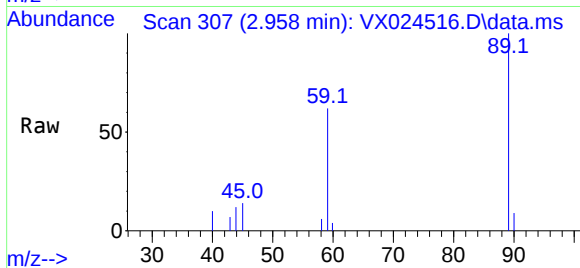


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.958 min Scan# 307
Delta R.T. -0.019 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

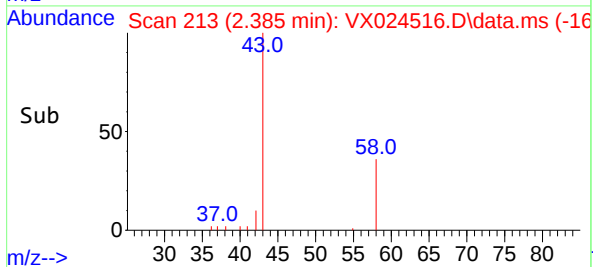
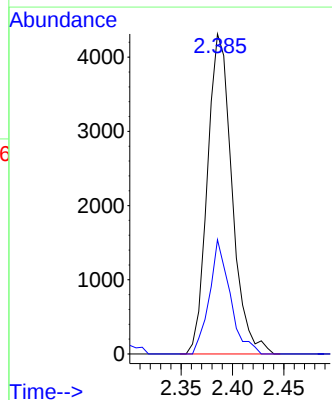
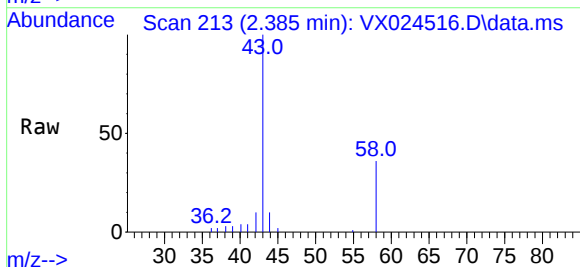
Tgt Ion: 59 Resp: 2102
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

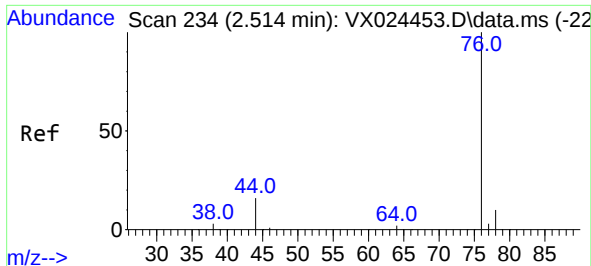


#16

Acetone
Concen: Below Cal
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 43 Resp: 7165
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.8

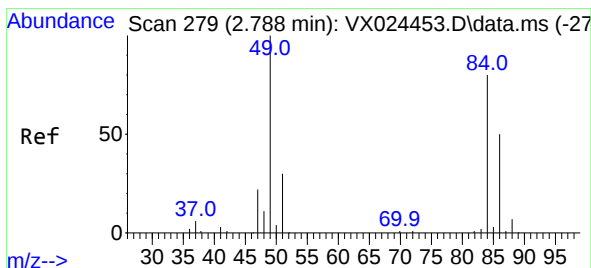
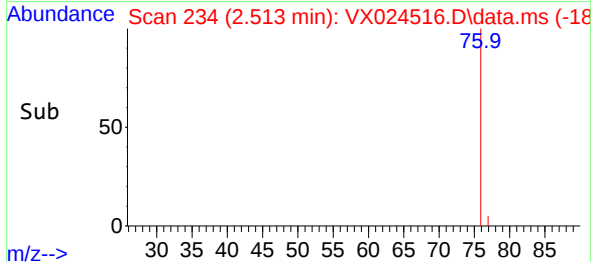
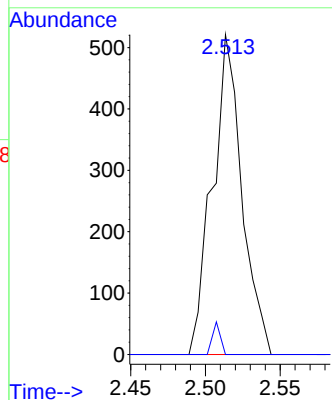
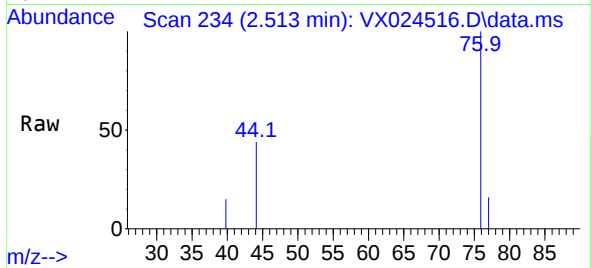




#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

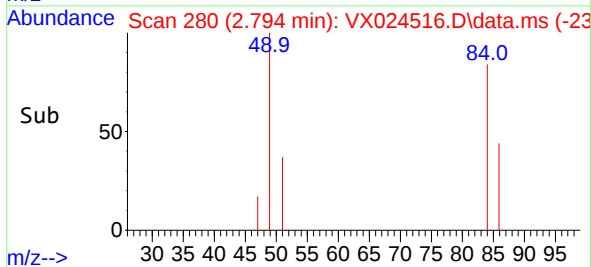
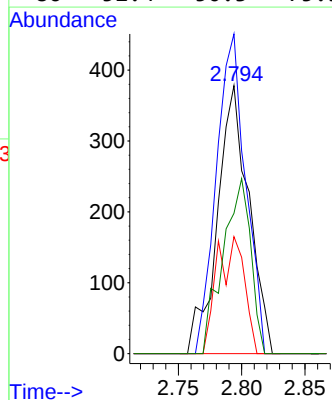
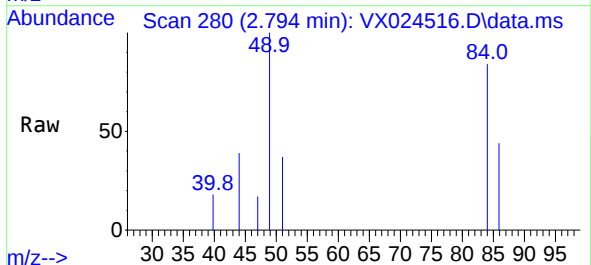
Instrument :
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ClientSampleId :
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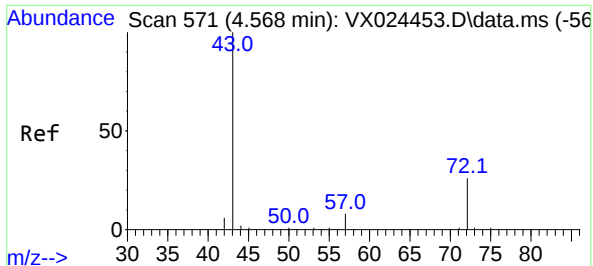
Tgt Ion: 76 Resp: 714
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 119.3 88.6 132.8
51 43.7 27.0 40.6#
86 52.4 50.3 75.5

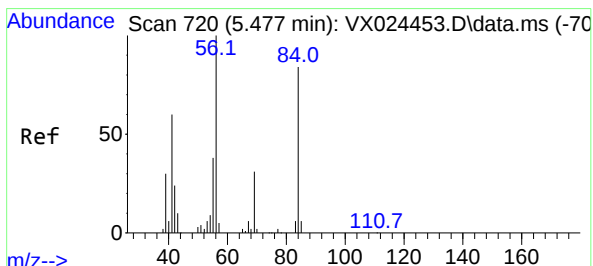
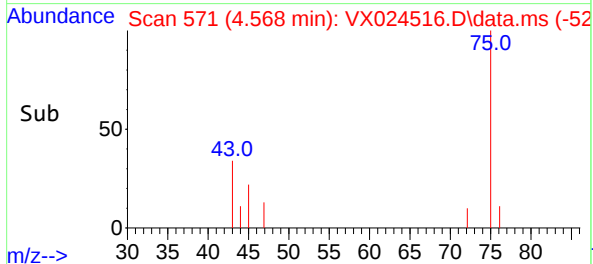
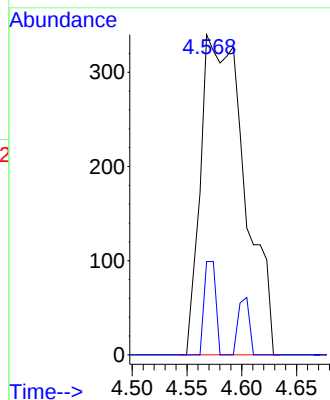
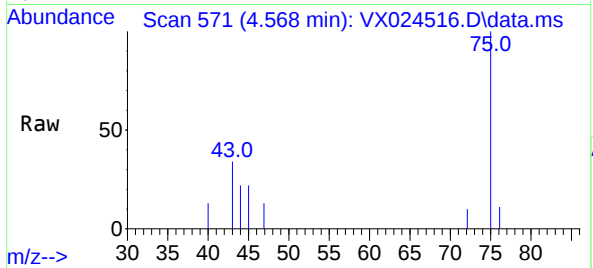




#25
2-Butanone
Concen: 0.673 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

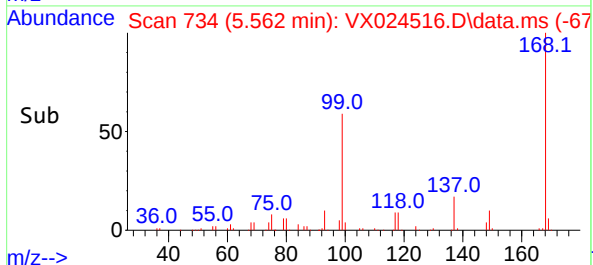
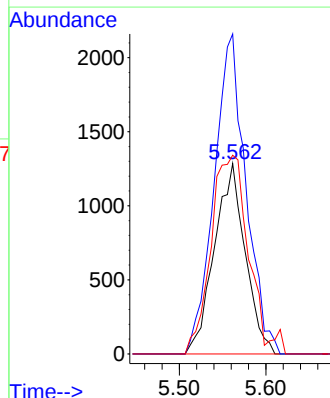
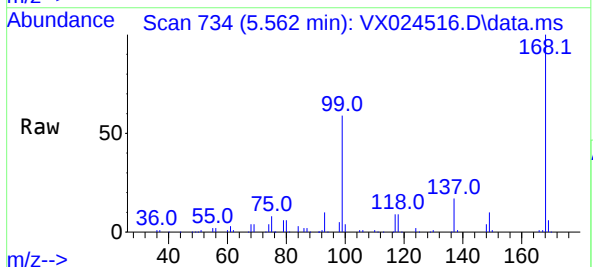
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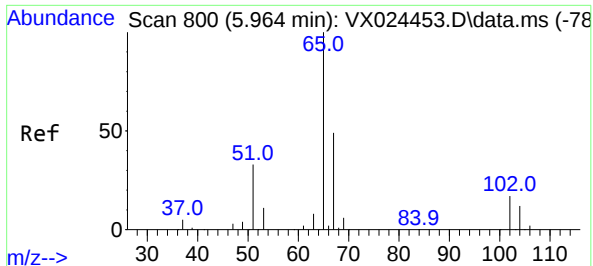
Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
72 29.1 23.7 35.5



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 56 Resp: 3175
Ion Ratio Lower Upper
56 100
69 168.1 25.3 37.9#
84 104.4 71.4 107.0



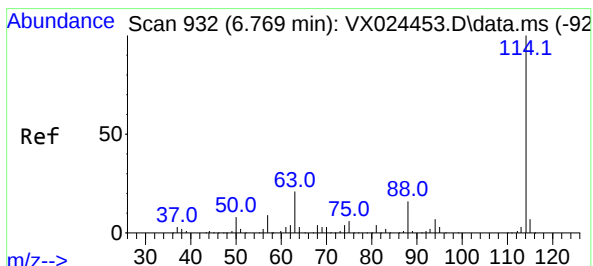
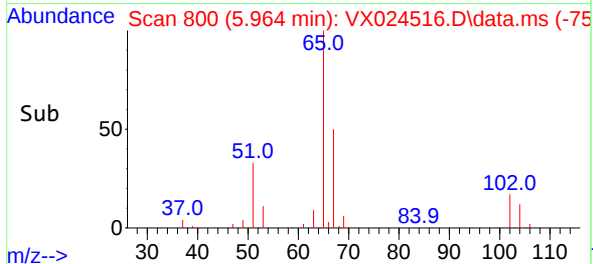
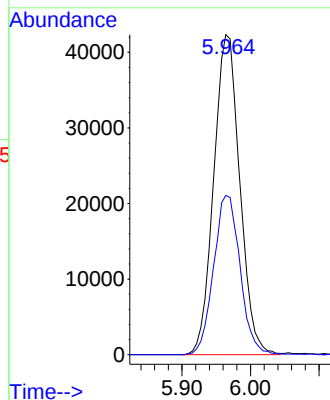
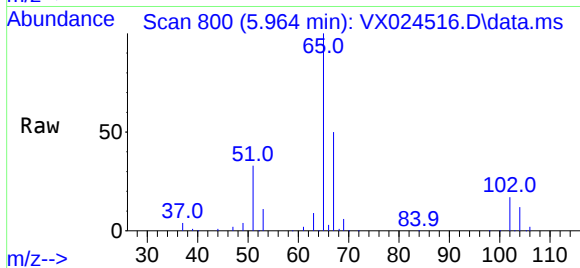


#33

1,2-Dichloroethane-d4
Concen: 54.901 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

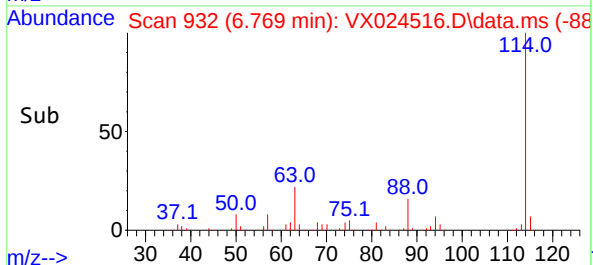
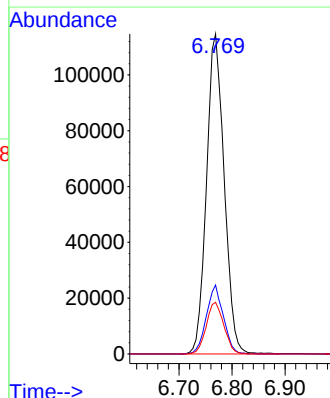
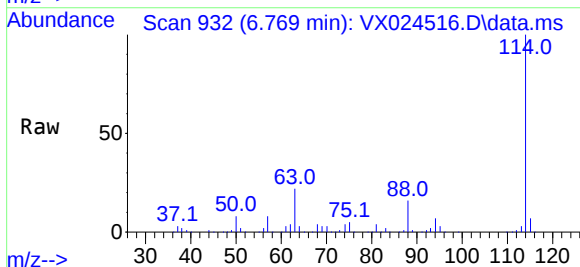
Tgt Ion: 65 Resp: 111805
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

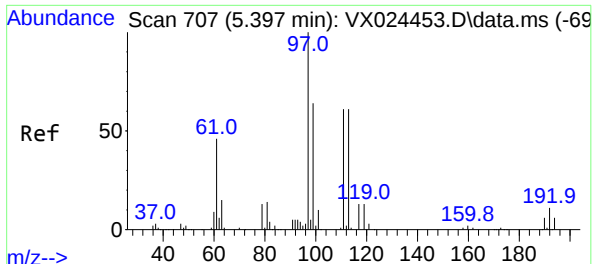


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 114 Resp: 265419
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 16.1 0.0 32.8



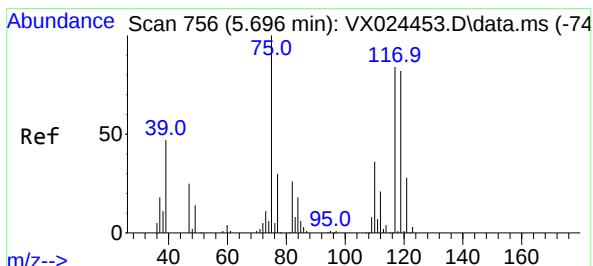
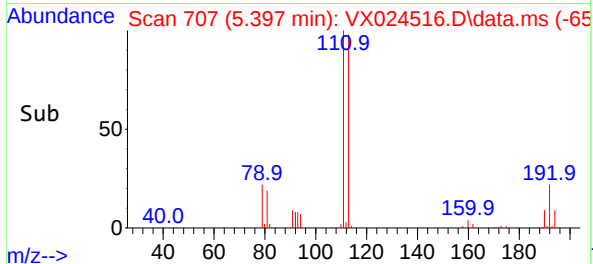
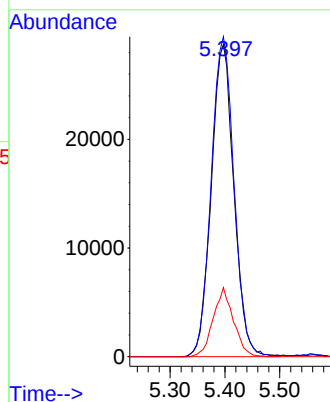
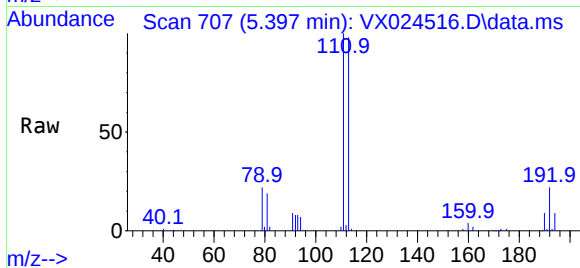


#35
Dibromofluoromethane
Concen: 46.600 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

Tgt Ion:113 Resp: 82167

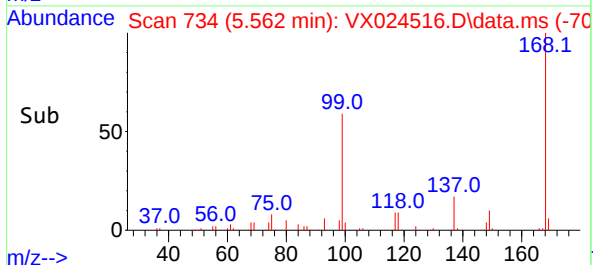
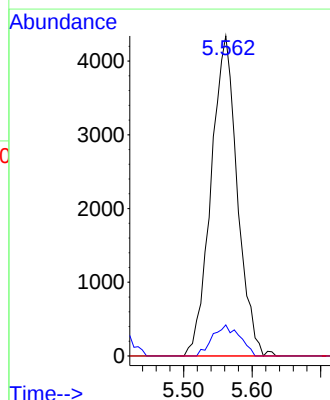
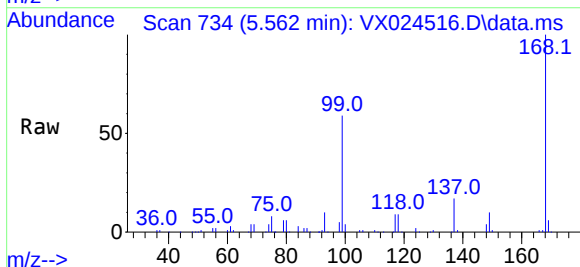
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	19.9	16.7	25.1

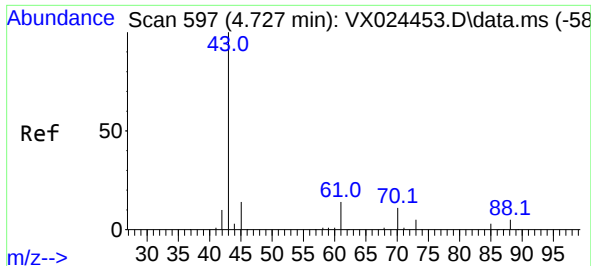


#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 75 Resp: 11563

Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 0.297 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.159 min

Lab File: VX024516.D

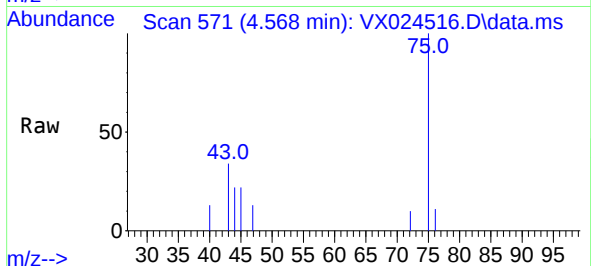
Acq: 04 Oct 2021 13:37

Instrument :

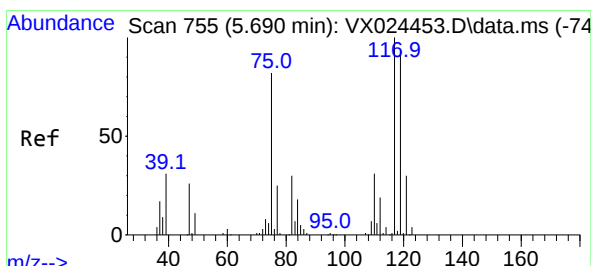
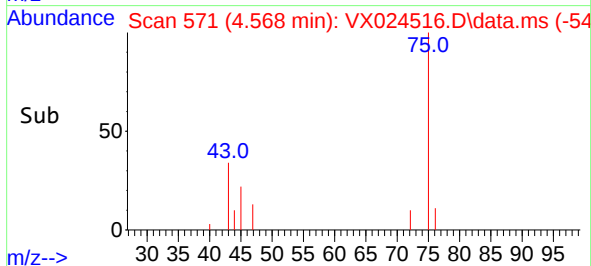
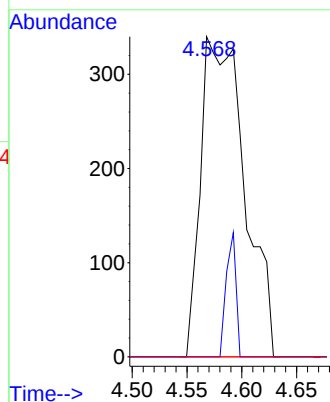
MSVOA_X

ClientSampleId :

SW-CB-04-(0.5)RE



Tgt Ion:	43	Resp:	944
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.390 ug/l

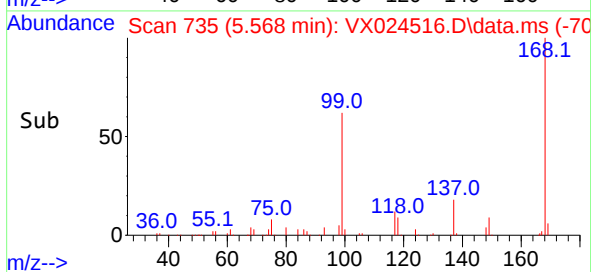
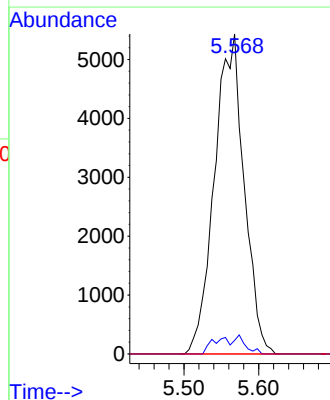
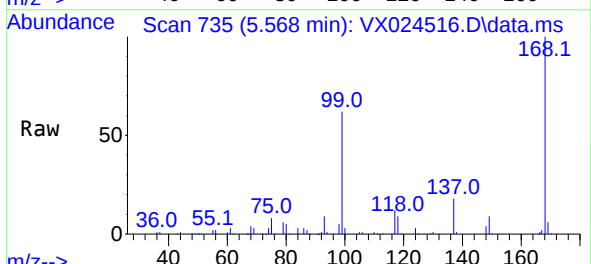
RT: 5.568 min Scan# 735

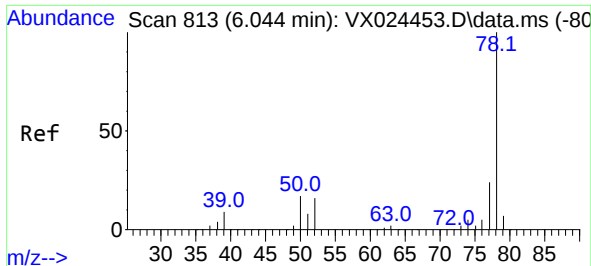
Delta R.T. -0.122 min

Lab File: VX024516.D

Acq: 04 Oct 2021 13:37

Tgt Ion:	117	Resp:	14928
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.2	114.2#
121	0.0	24.8	37.2#

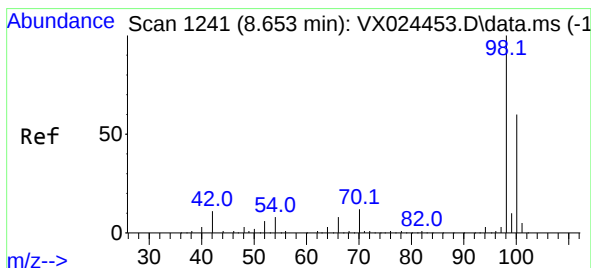
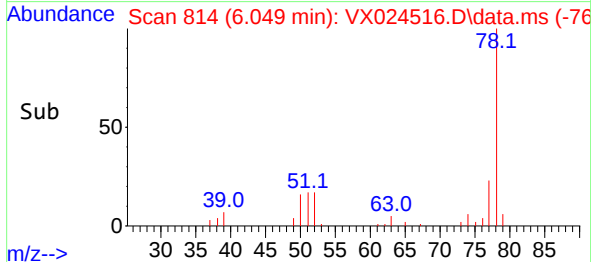
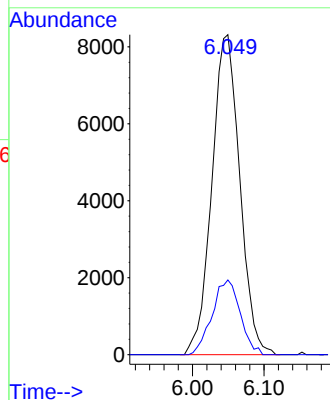
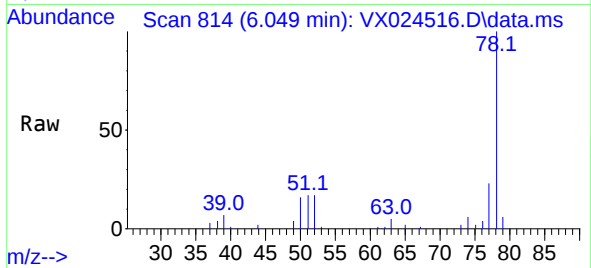




#40
Benzene
Concen: 3.096 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.005 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

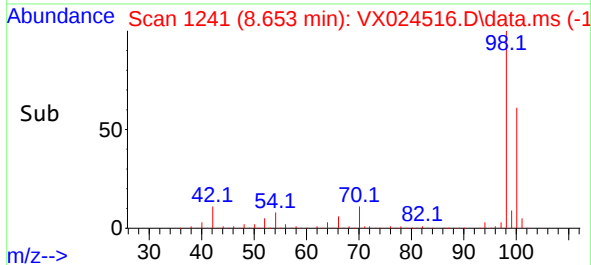
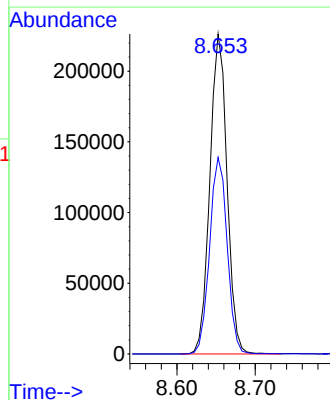
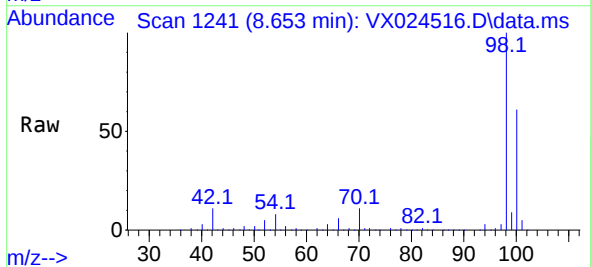
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

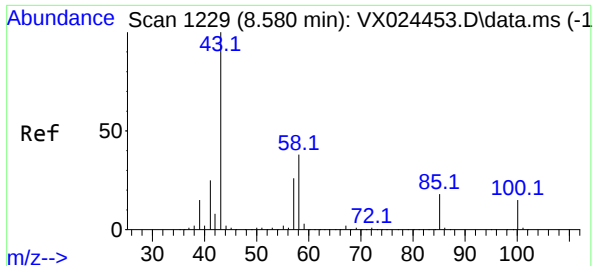
Tgt Ion: 78 Resp: 22527
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



#50
Toluene-d8
Concen: 53.015 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 98 Resp: 344052
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9

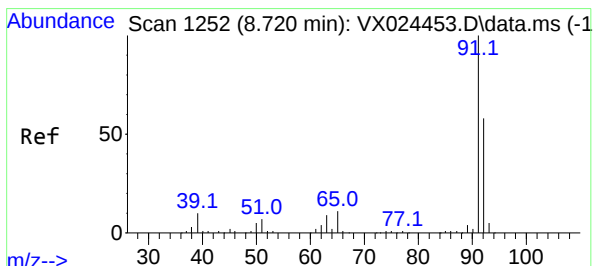
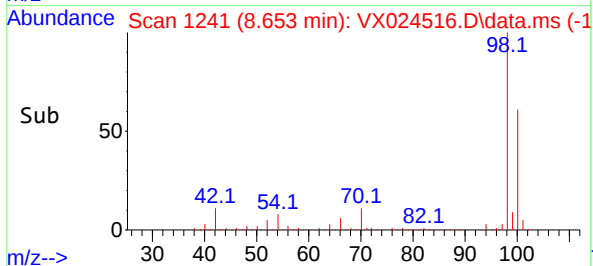
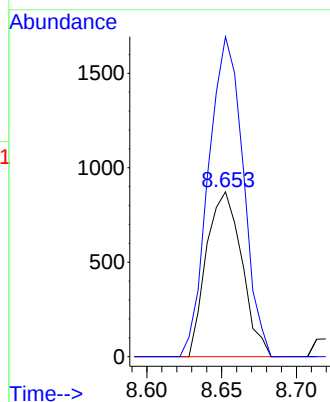
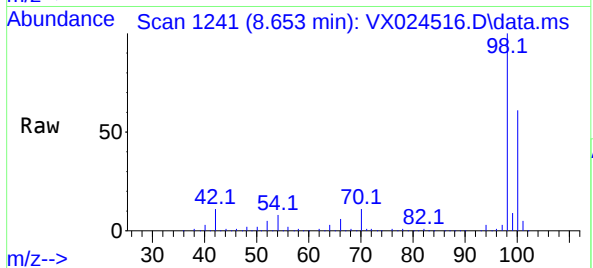




#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

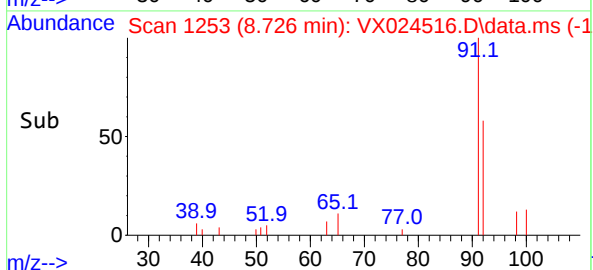
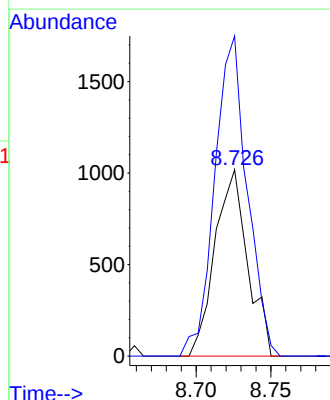
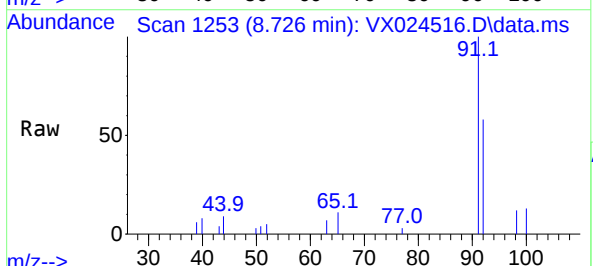
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

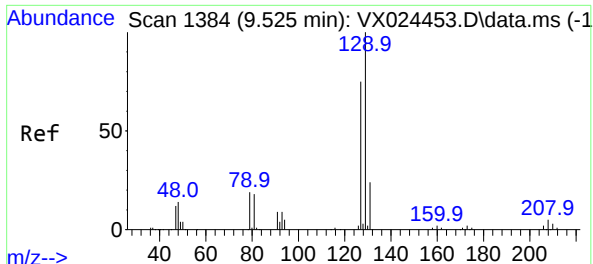
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 190.2 35.4 53.0#



#52
Toluene
Concen: 0.330 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 92 Resp: 1551
Ion Ratio Lower Upper
92 100
91 170.5 137.1 205.7

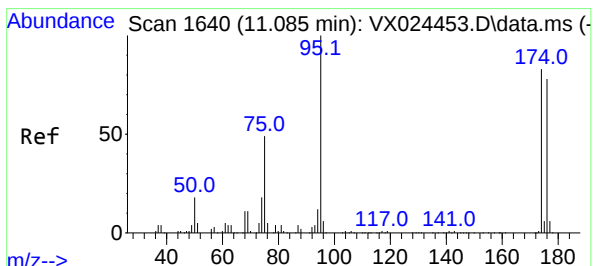
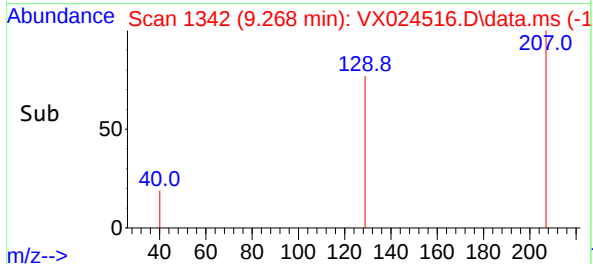
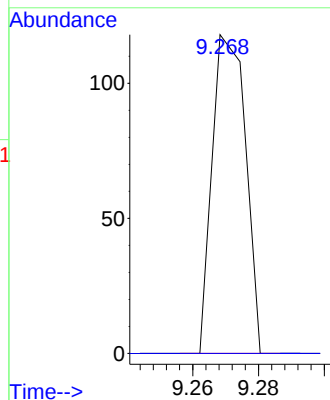
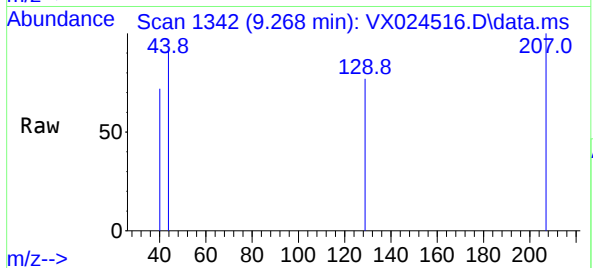




#60
Dibromochloromethane
Concen: 1.224 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.257 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

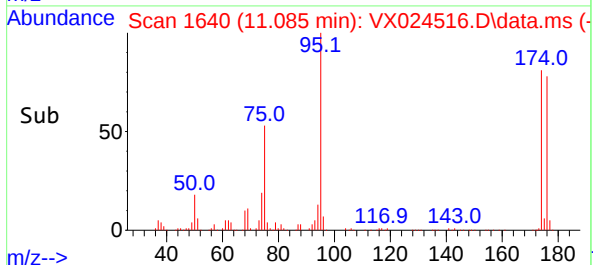
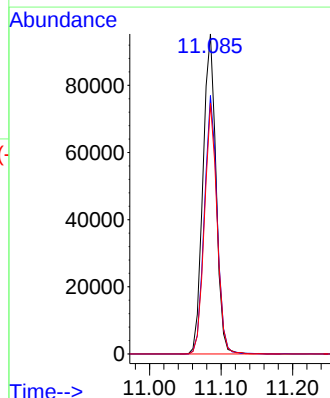
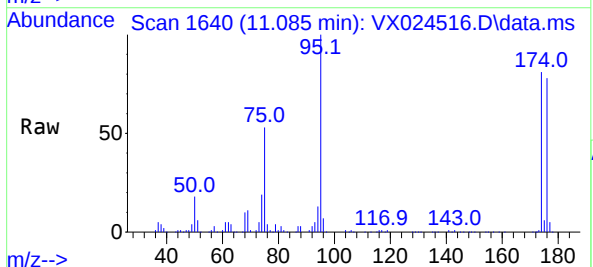
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

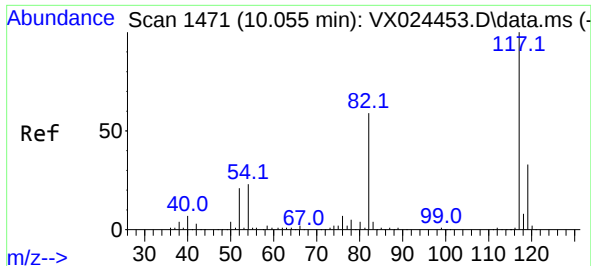
Tgt Ion:129 Resp: 83
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.215 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 95 Resp: 120475
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.6
176 75.7 0.0 155.8

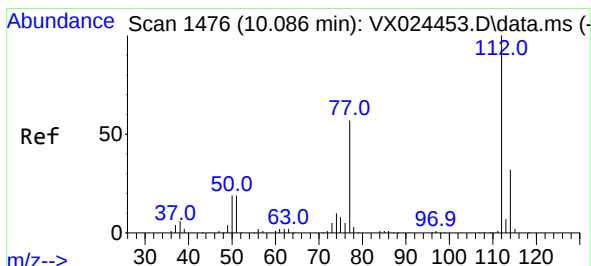
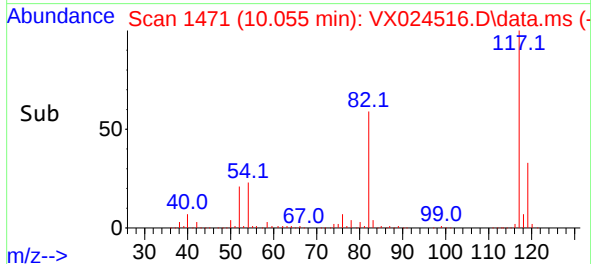
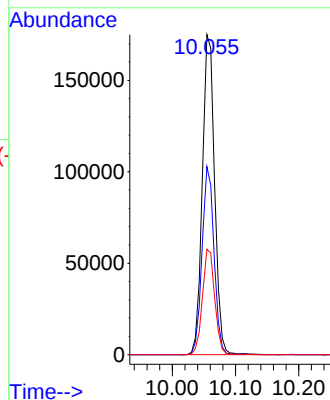
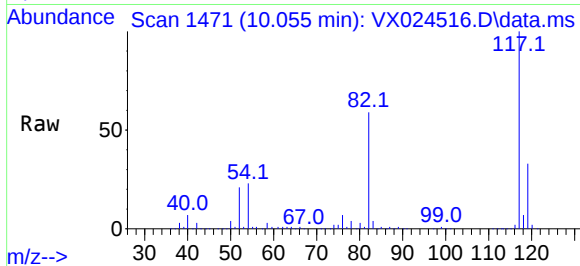




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

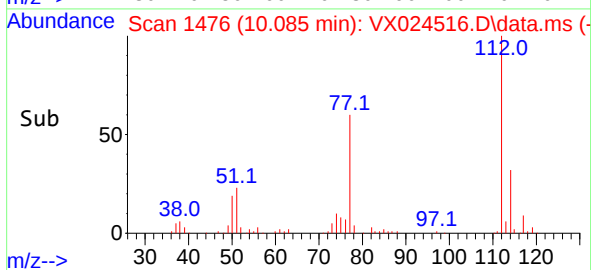
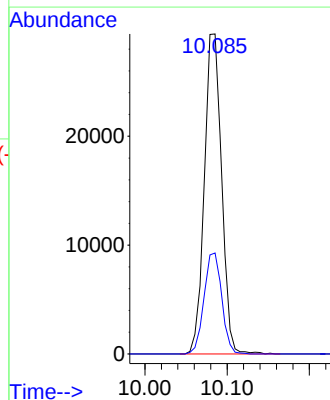
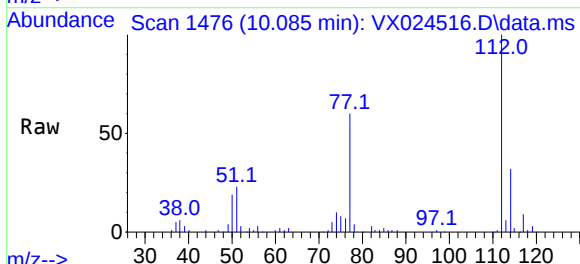
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

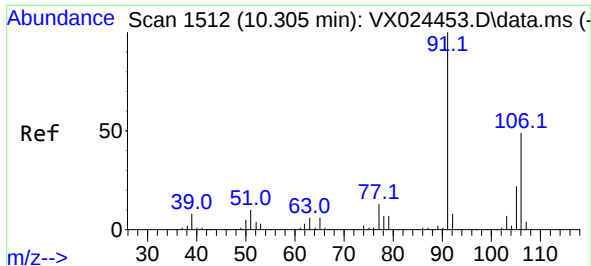
Tgt Ion:117 Resp: 236839
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.9 26.6 39.8



#65
Chlorobenzene
Concen: 8.703 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion:112 Resp: 42942
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

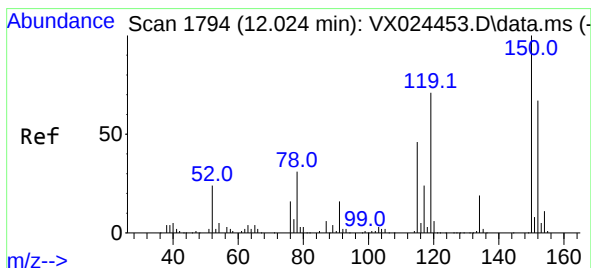
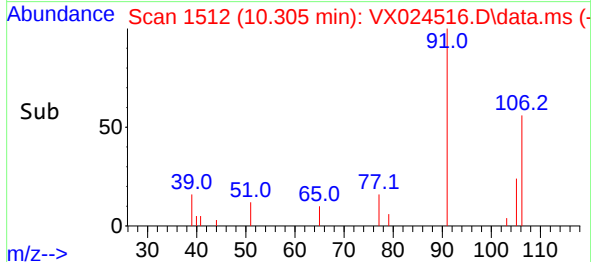
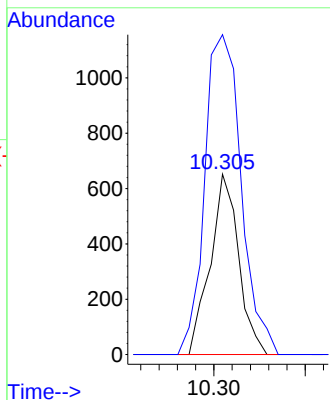
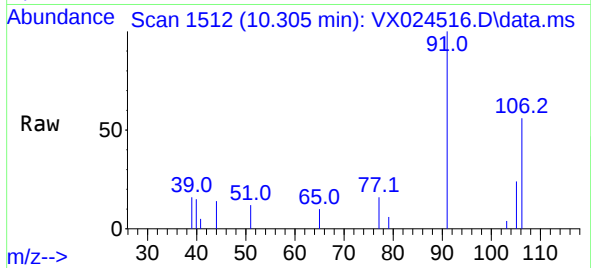




#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

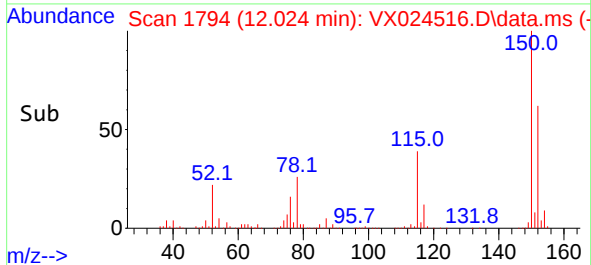
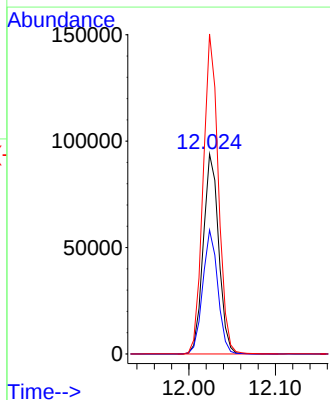
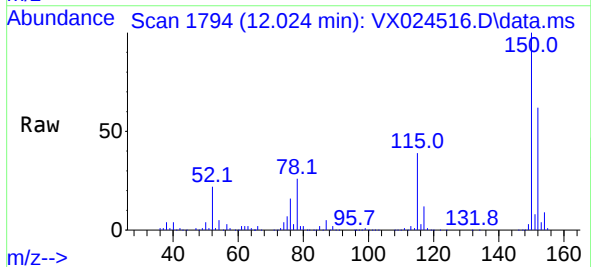
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

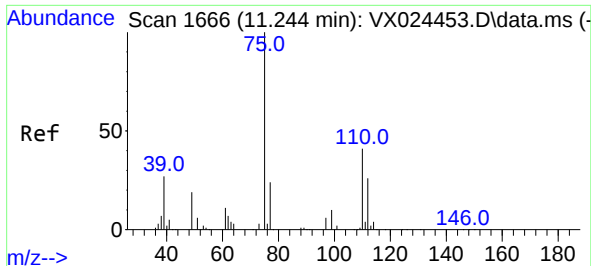
Tgt Ion:106 Resp: 704
Ion Ratio Lower Upper
106 100
91 227.6 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion:152 Resp: 116308
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 157.5 0.0 349.0

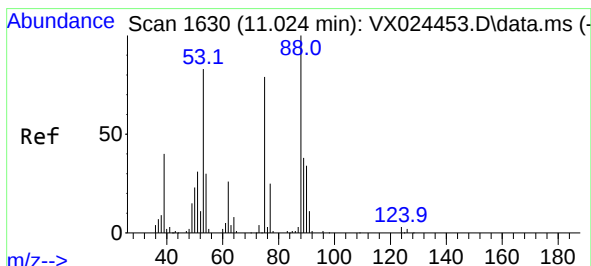
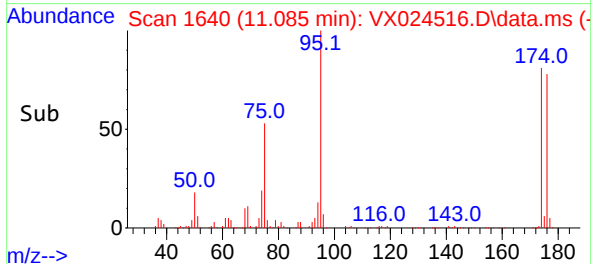
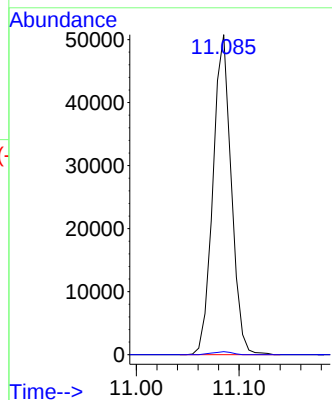
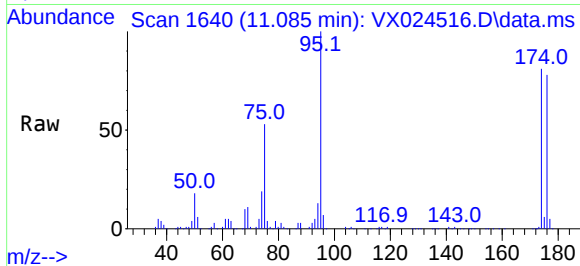




#76
1,2,3-Trichloropropane
Concen: 23.735 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

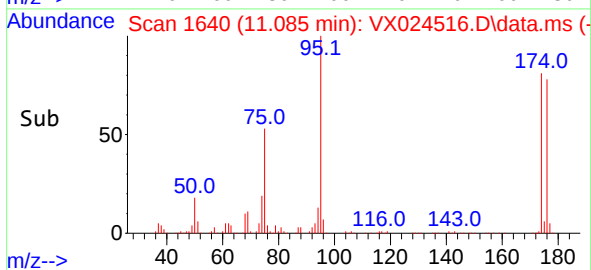
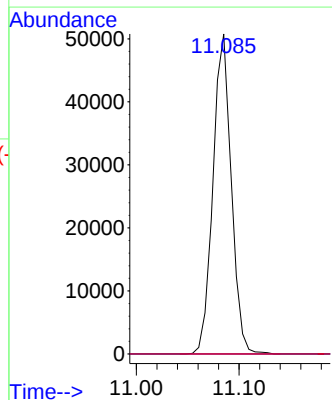
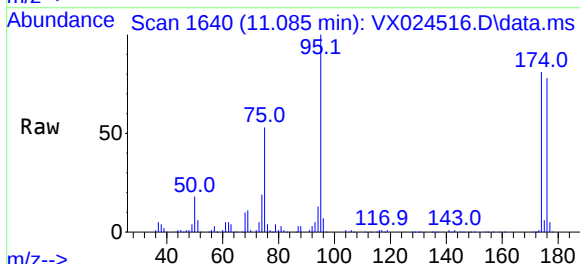
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

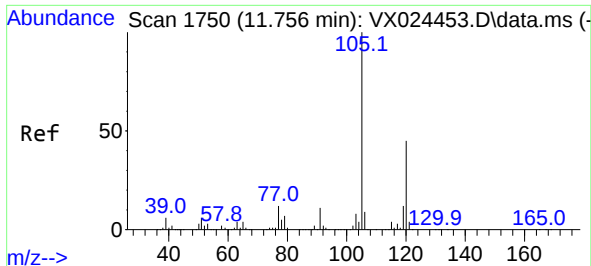
Tgt Ion: 75 Resp: 62690
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.821 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion: 75 Resp: 62690
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

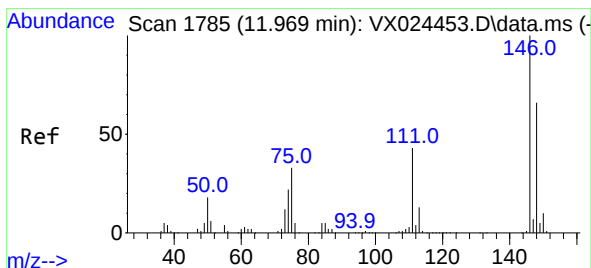
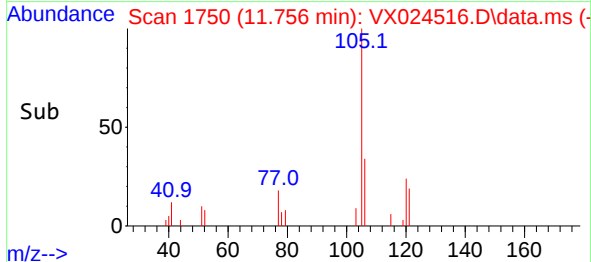
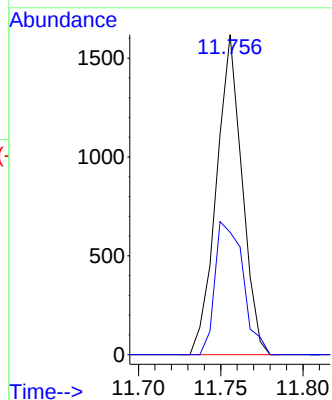
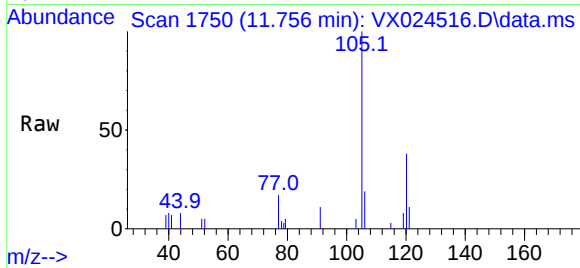




#84
1,2,4-Trimethylbenzene
Concen: 0.251 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

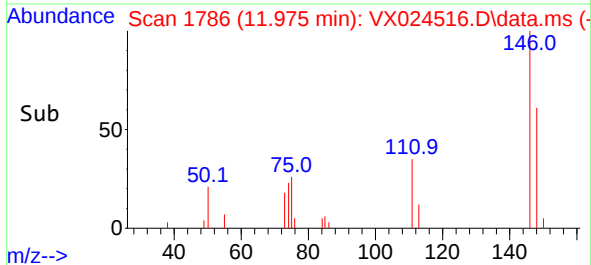
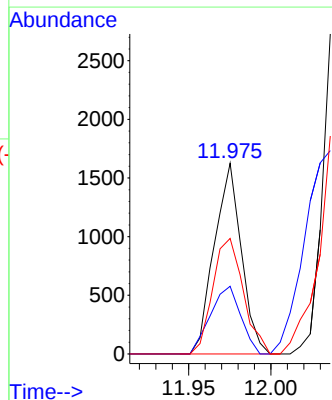
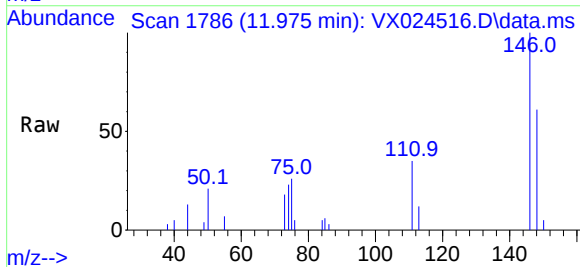
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

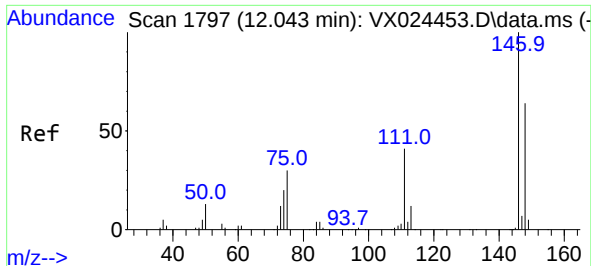
Tgt Ion:105 Resp: 1755
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3



#87
1,3-Dichlorobenzene
Concen: 0.462 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion:146 Resp: 1860
Ion Ratio Lower Upper
146 100
111 39.8 20.2 60.5
148 68.6 31.9 95.7

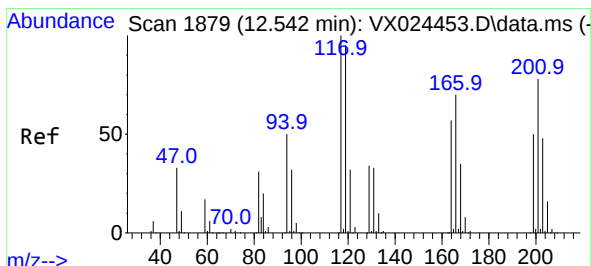
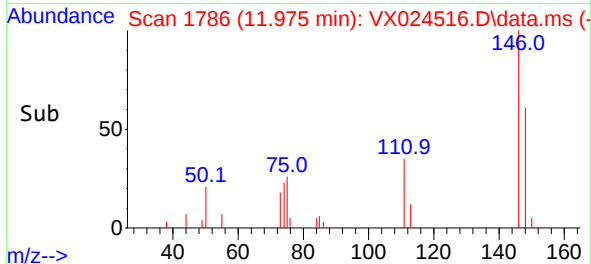
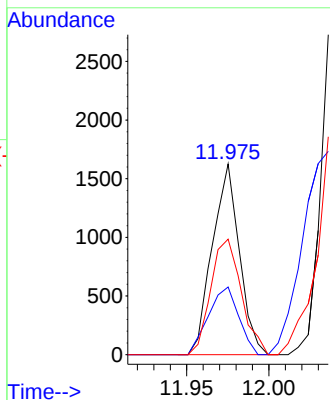
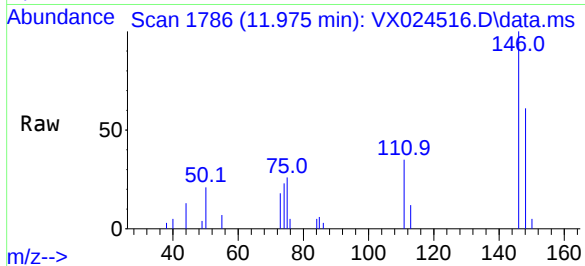




#88
1,4-Dichlorobenzene
Concen: 0.447 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.068 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

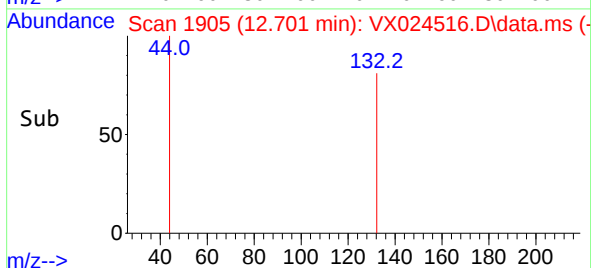
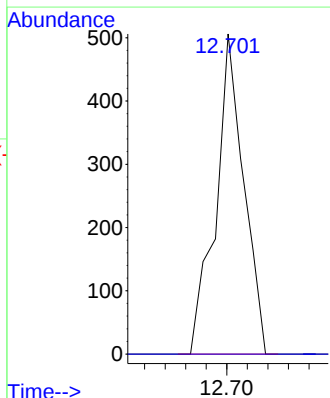
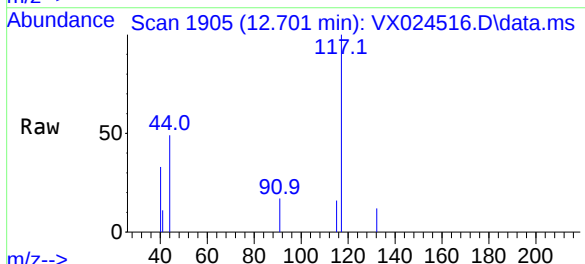
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

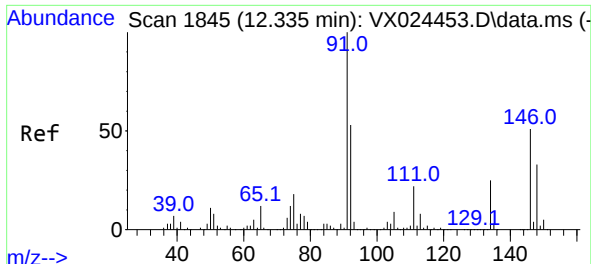
Tgt Ion:146 Resp: 1860
Ion Ratio Lower Upper
146 100
111 39.8 19.6 58.8
148 68.6 31.6 95.0



#90
Hexachloroethane
Concen: 0.393 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion:117 Resp: 478
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



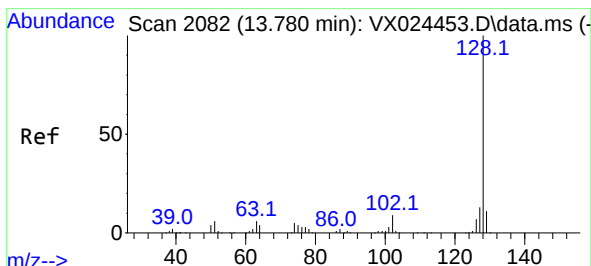
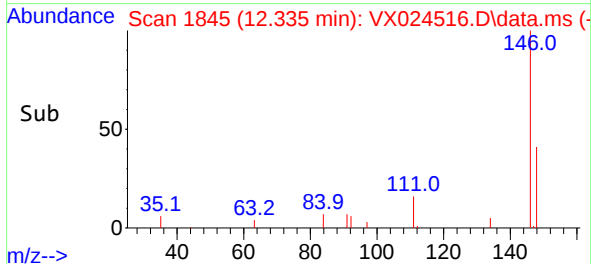
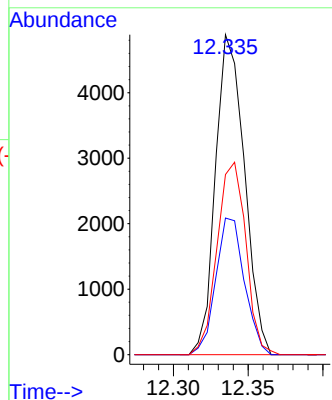
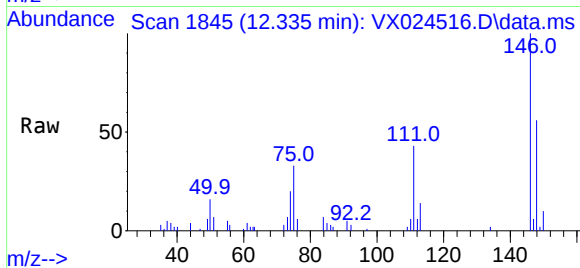


#91
1,2-Dichlorobenzene
Concen: 1.654 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(0.5)RE

Tgt Ion:146 Resp: 6588

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	59.8	31.9	95.5



#95
Naphthalene
Concen: 45.731 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024516.D
Acq: 04 Oct 2021 13:37

Tgt Ion:128 Resp: 371224

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.9	8.8	13.2

