

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024341.D
 Acq On : 18 Sep 2021 04:55
 Operator : JC/MD
 Sample : M3782-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20210914

Quant Time: Sep 20 02:46:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

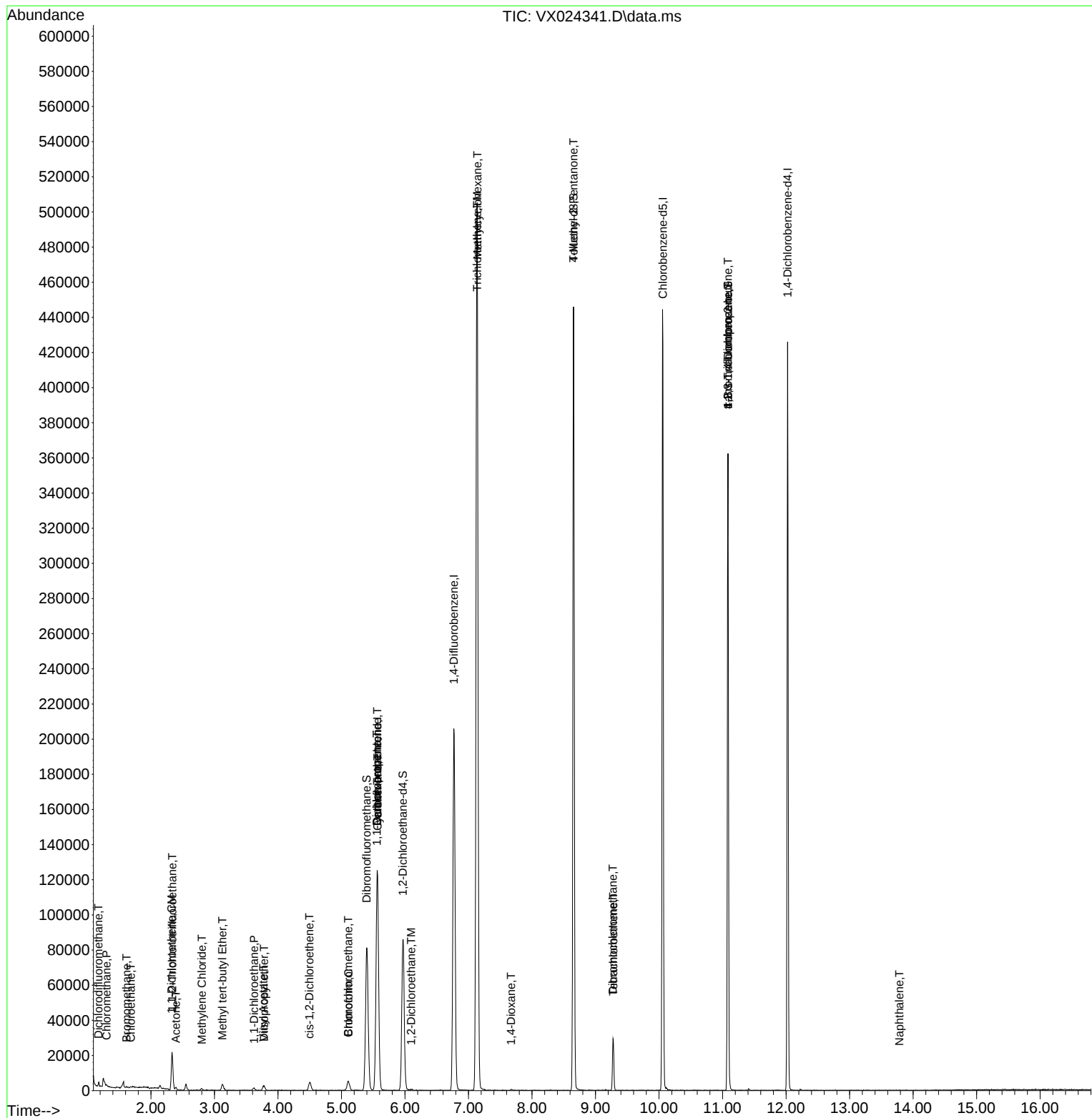
Internal Standards						
1) Pentafluorobenzene	5.562	168	114802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	203794	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	196359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	88620	54.134	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.260%	
35) Dibromofluoromethane	5.397	113	68968	50.462	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.920%	
50) Toluene-d8	8.653	98	253074	50.829	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	11.085	95	88321	45.582	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	481	0.436	ug/l	93
3) Chloromethane	1.301	50	369	0.320	ug/l	91
5) Bromomethane	1.618	94	312	0.457	ug/l	95
6) Chloroethane	1.685	64	270	2.279	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	6714	5.940	ug/l	91
12) 1,1-Dichloroethene	2.325	96	1219	1.152	ug/l	86
16) Acetone	2.392	43	1559	2.233	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	3666	0.942	ug/l	98
20) Methylene Chloride	2.800	84	417	0.311	ug/l #	91
22) Diisopropyl ether	3.782	45	2593	0.686	ug/l #	83
23) Vinyl Acetate	3.770	43	1510	0.492	ug/l #	68
24) 1,1-Dichloroethane	3.623	63	1746	0.788	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	2804	2.095	ug/l	95
28) Bromochloromethane	5.105	49	428	0.474	ug/l #	9
30) Chloroform	5.111	83	6145	2.606	ug/l	95
31) Cyclohexane	5.568	56	2941	1.536	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	9205	4.913	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12553	5.952	ug/l #	16
39) Methylcyclohexane	7.141	83	2650	1.185	ug/l #	1
42) 1,2-Dichloroethane	6.099	62	729	0.325	ug/l #	73
44) Trichloroethene	7.135	130	192013	127.168	ug/l	97
49) 1,4-Dioxane	7.671	88	445	12.256	ug/l #	81
51) 4-Methyl-2-Pentanone	8.653	43	1163	0.525	ug/l #	1
60) Dibromochloromethane	9.275	129	5359	4.768	ug/l #	11
64) Tetrachloroethene	9.281	164	5379	3.536	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	49439	25.803	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49439	75.886	ug/l #	12
95) Naphthalene	13.786	128	45	1.294	ug/l #	69

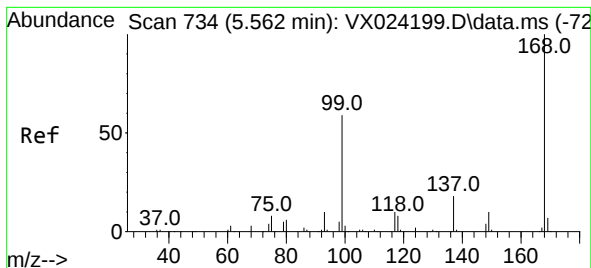
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

Lab File: VX024341.D

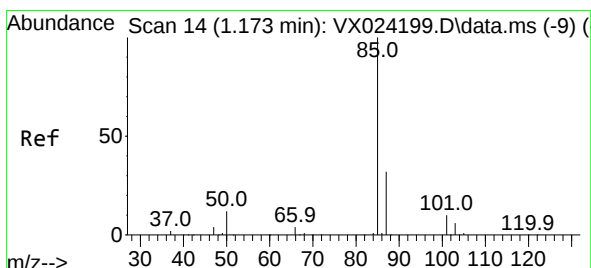
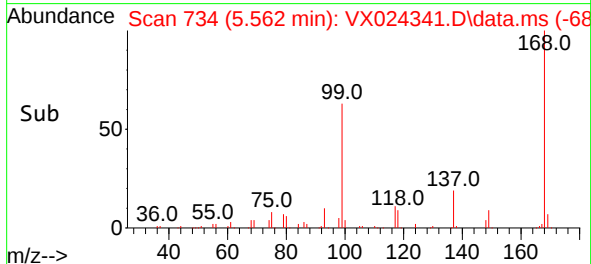
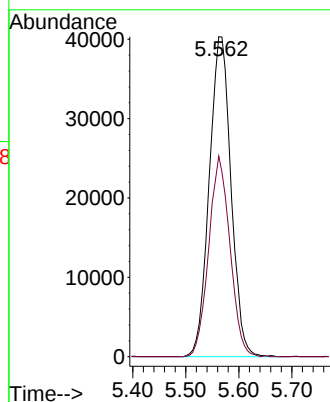
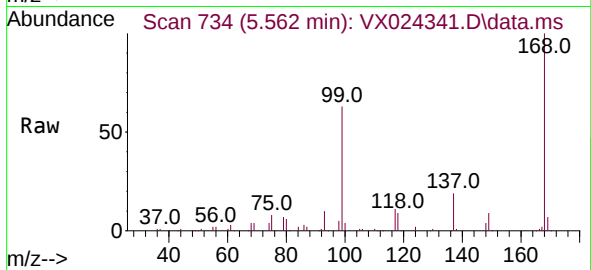
Acq: 18 Sep 2021 04:55

Tgt Ion:168 Resp: 114802

Ion Ratio Lower Upper

168 100

99 62.7 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 0.436 ug/l

RT: 1.173 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX024341.D

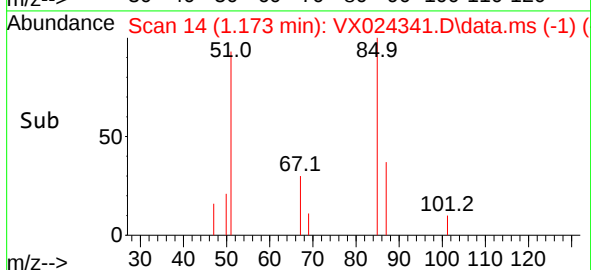
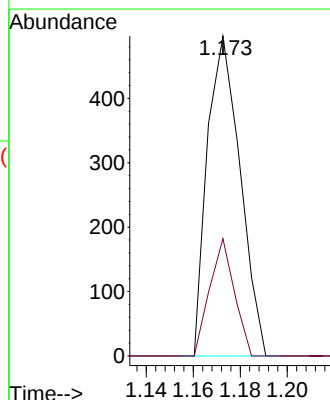
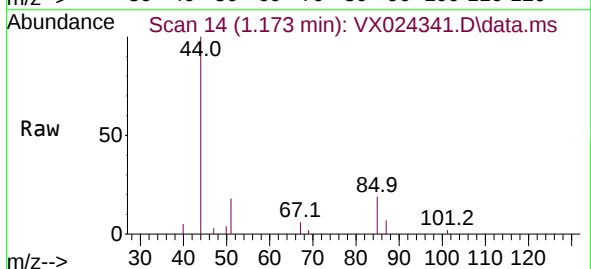
Acq: 18 Sep 2021 04:55

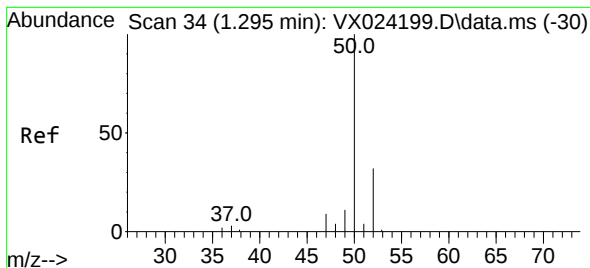
Tgt Ion: 85 Resp: 481

Ion Ratio Lower Upper

85 100

87 36.6 16.4 49.2





#3

Chloromethane

Concen: 0.320 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.006 min

Lab File: VX024341.D

Acq: 18 Sep 2021 04:55

Tgt Ion: 50 Resp: 369

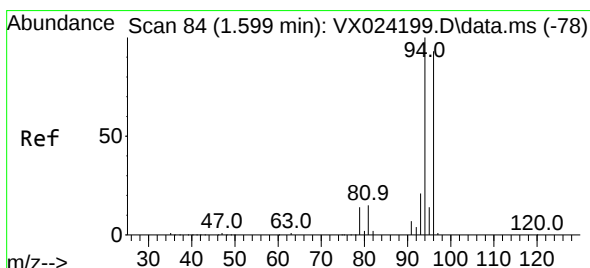
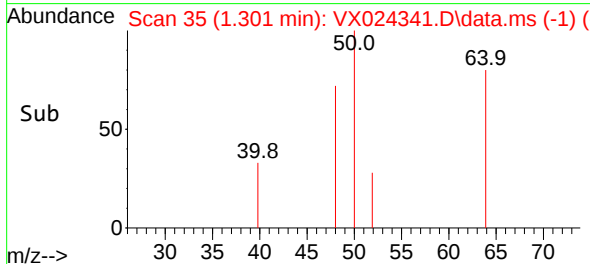
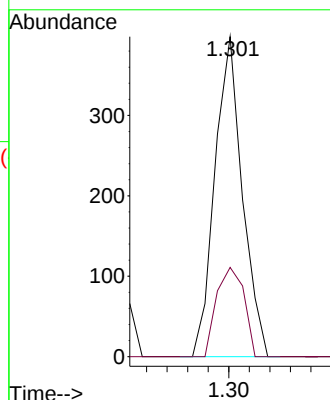
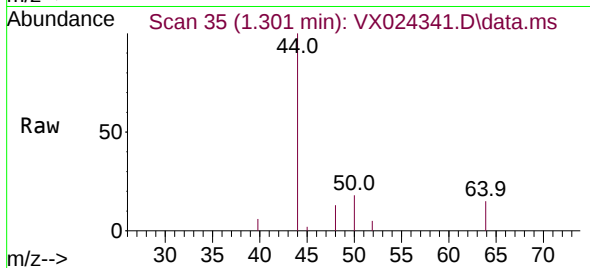
Ion	Ratio	Lower	Upper
50	100		
52	27.9	26.4	39.6

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#5

Bromomethane

Concen: 0.457 ug/l

RT: 1.618 min Scan# 87

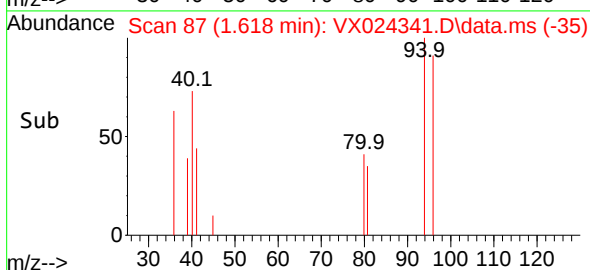
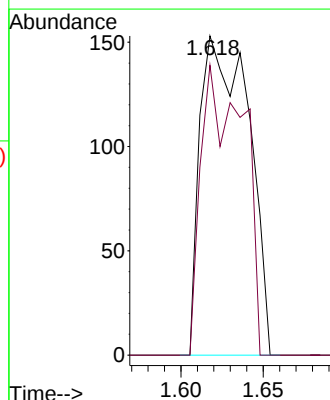
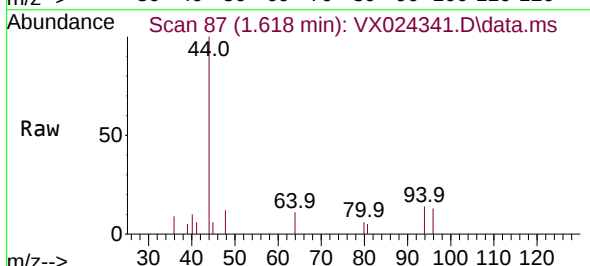
Delta R.T. 0.019 min

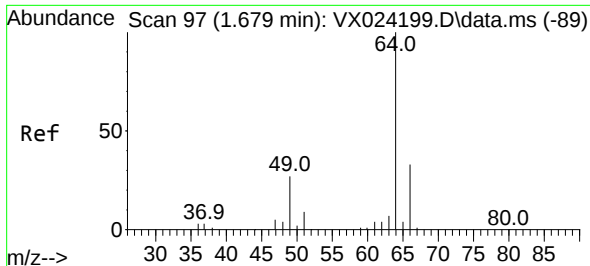
Lab File: VX024341.D

Acq: 18 Sep 2021 04:55

Tgt Ion: 94 Resp: 312

Ion	Ratio	Lower	Upper
94	100		
96	90.8	76.4	114.6

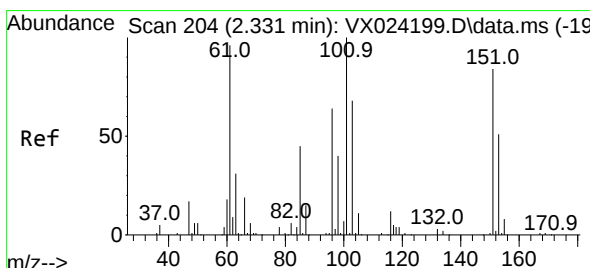
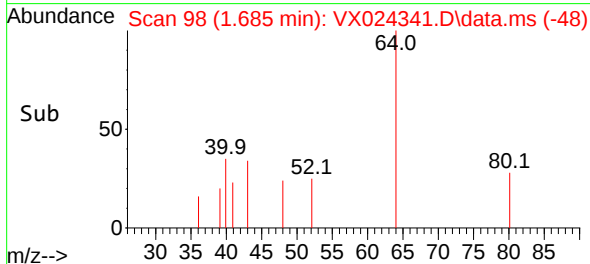
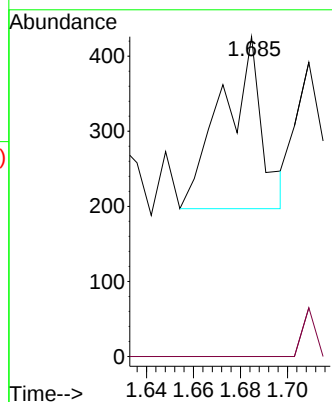
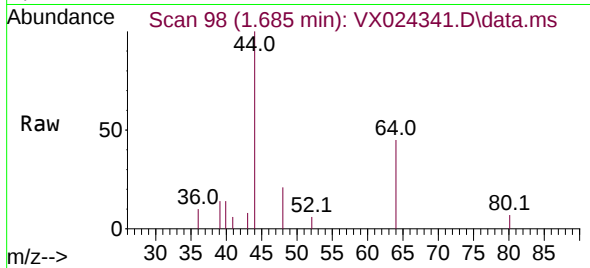




#6
Chloroethane
Concen: 2.279 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

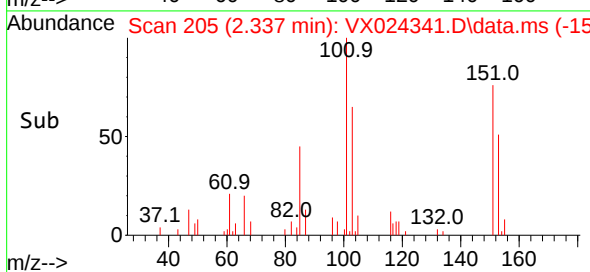
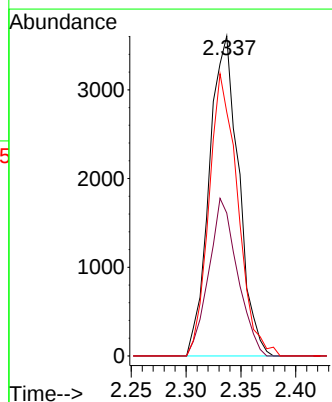
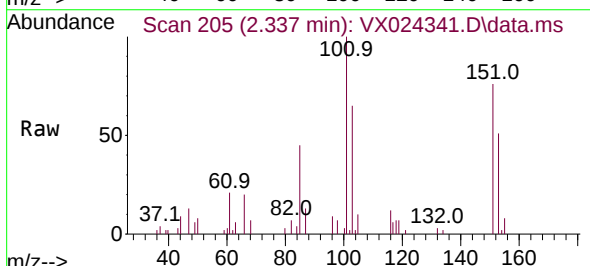
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

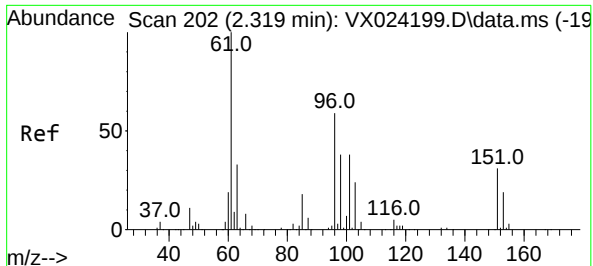
Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.940 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 101 Resp: 6714
Ion Ratio Lower Upper
101 100
85 48.0 34.9 52.3
151 86.2 61.4 92.2





#12

1,1-Dichloroethene

Concen: 1.152 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024341.D

Acq: 18 Sep 2021 04:55

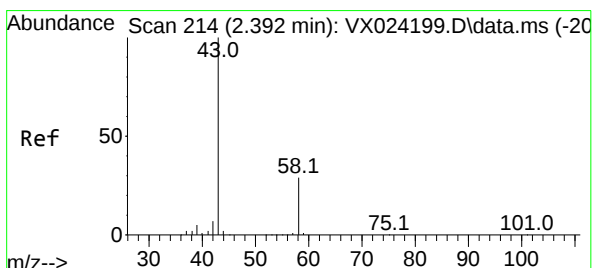
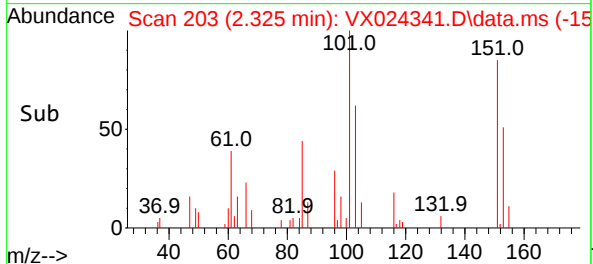
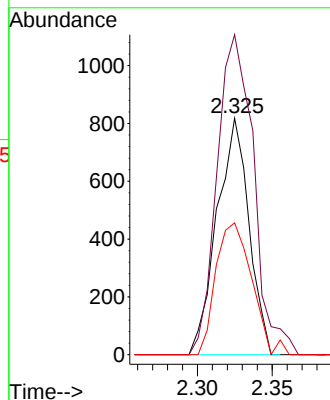
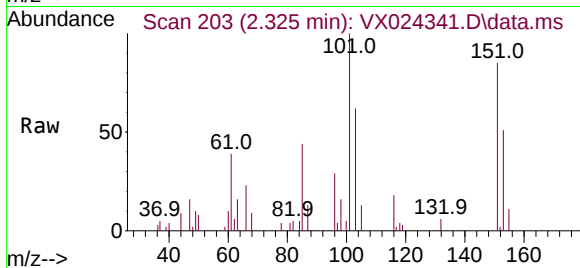
Tgt Ion: 96 Resp: 1219

Ion Ratio Lower Upper

96 100

61 135.3 124.6 187.0

98 55.7 50.6 76.0



#16

Acetone

Concen: 2.233 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX024341.D

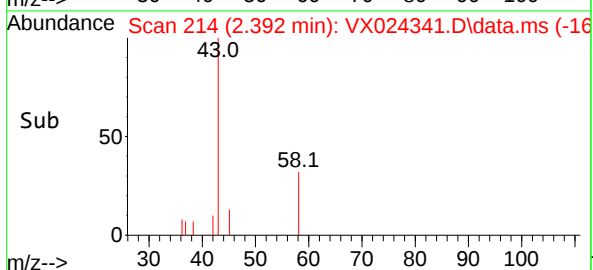
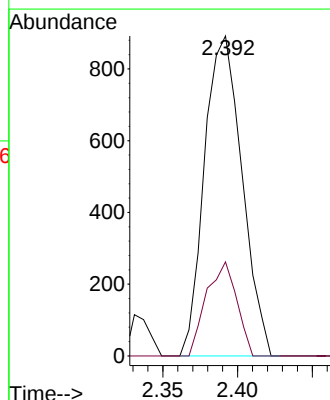
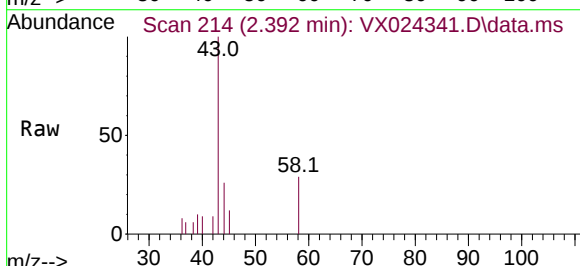
Acq: 18 Sep 2021 04:55

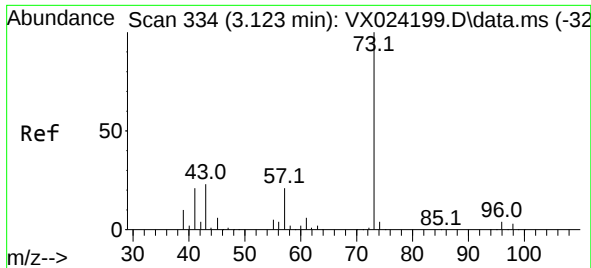
Tgt Ion: 43 Resp: 1559

Ion Ratio Lower Upper

43 100

58 29.4 27.8 41.8

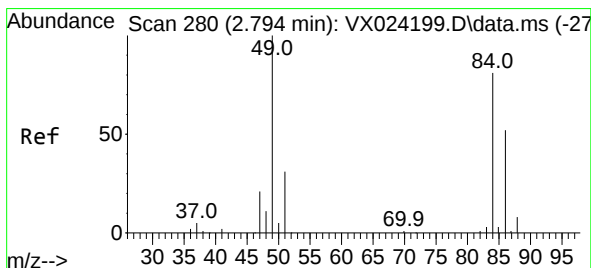
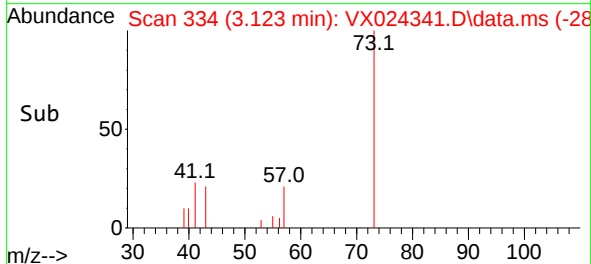
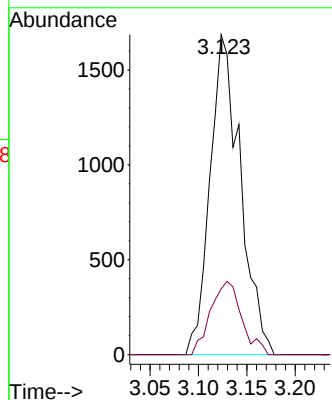
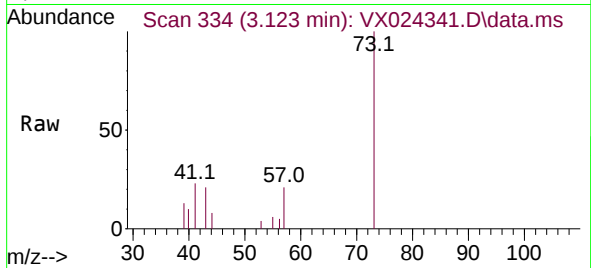




#19
Methyl tert-butyl Ether
Concen: 0.942 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

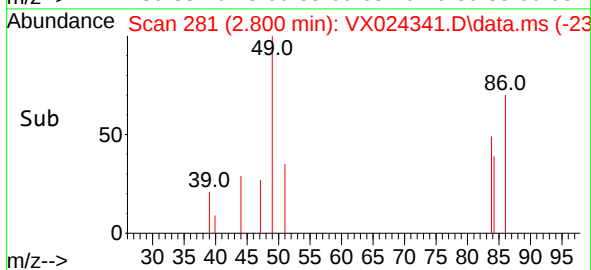
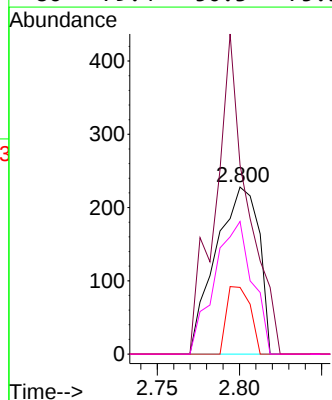
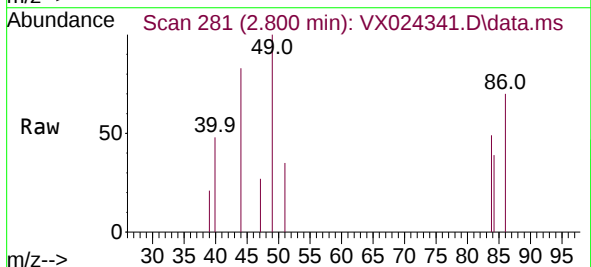
Instrument :
MSVOA_X
ClientSampleId :
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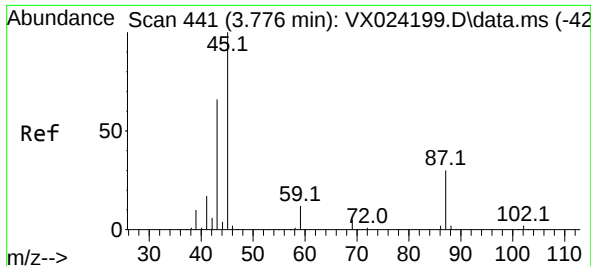
Tgt Ion: 73 Resp: 3666
Ion Ratio Lower Upper
73 100
57 20.5 17.1 25.7



#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 84 Resp: 417
Ion Ratio Lower Upper
84 100
49 113.2 88.6 132.8
51 39.9 27.0 40.6
86 79.4 50.3 75.5#

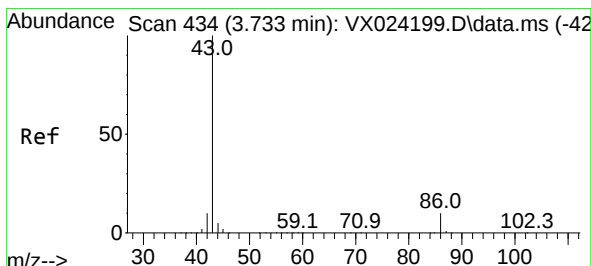
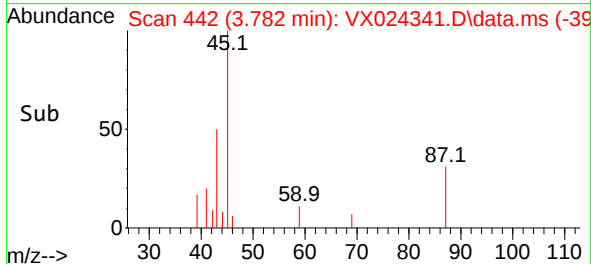
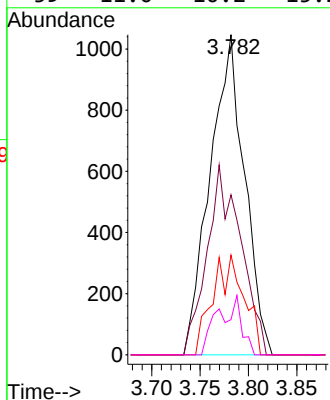
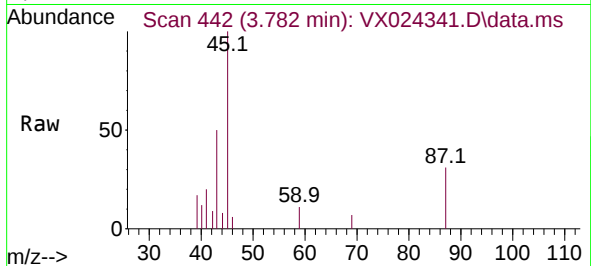




#22
Diisopropyl ether
Concen: 0.686 ug/l
RT: 3.782 min Scan# 442
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

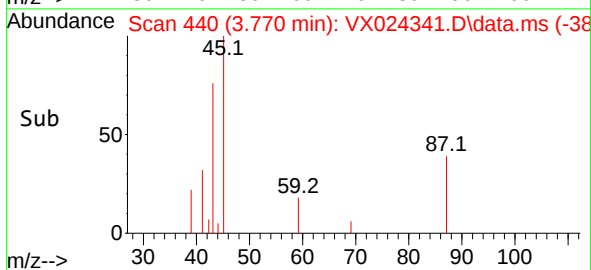
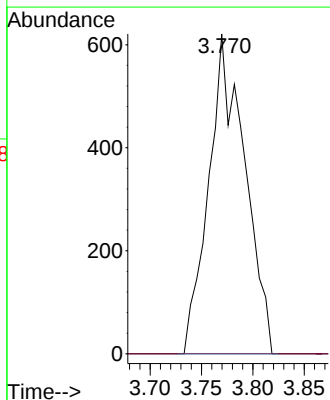
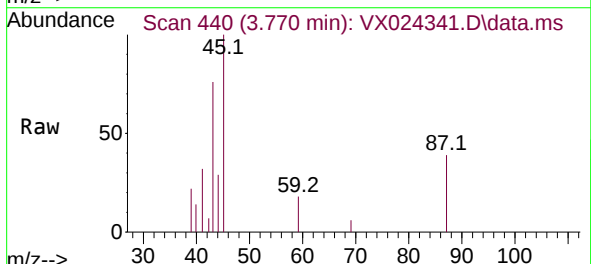
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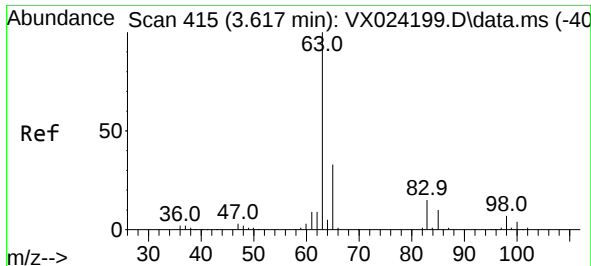
Tgt Ion: 45	Resp: 2593
Ion Ratio	Lower Upper
45 100	
43 50.0	58.0 87.0#
87 31.1	25.4 38.0
59 11.0	10.2 15.2



#23
Vinyl Acetate
Concen: 0.492 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.037 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 43	Resp: 1510
Ion Ratio	Lower Upper
43 100	
86 0.0	9.9 14.9#

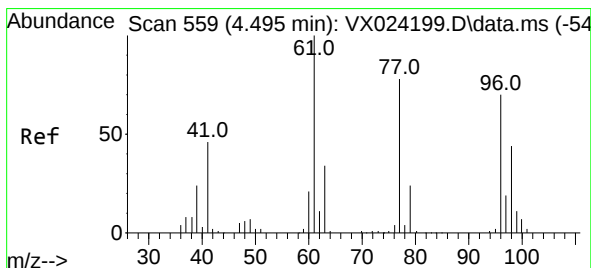
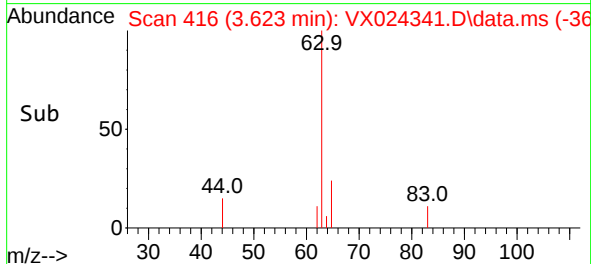
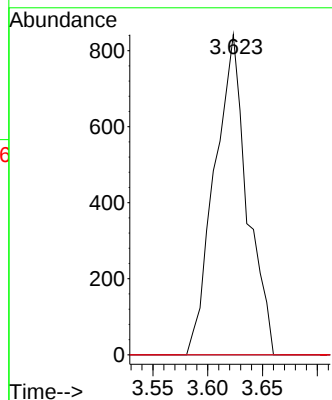
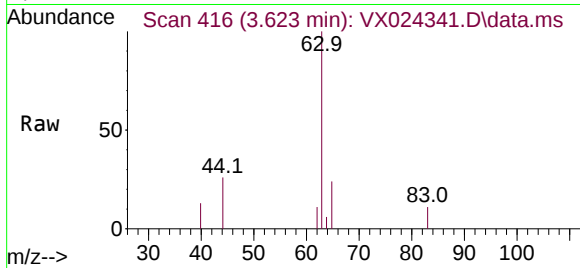




#24
1,1-Dichloroethane
Concen: 0.788 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

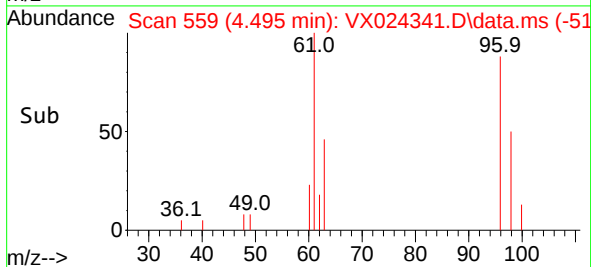
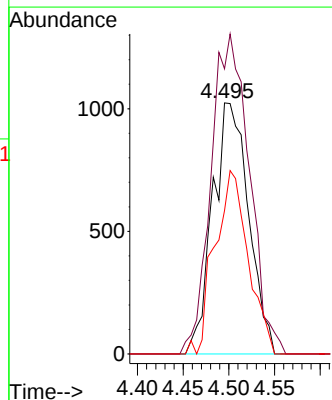
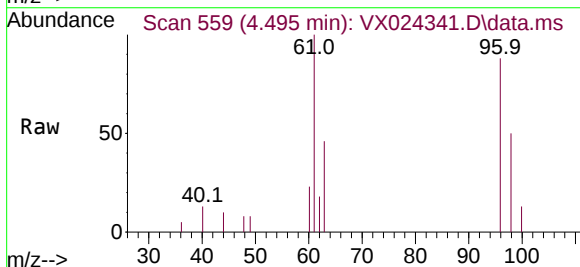
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

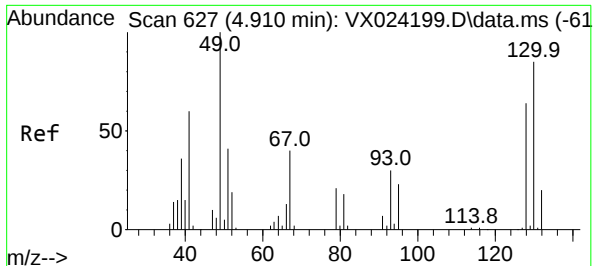
Tgt Ion: 63 Resp: 1746
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.095 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 96 Resp: 2804
Ion Ratio Lower Upper
96 100
61 135.6 0.0 285.6
98 67.7 0.0 129.6

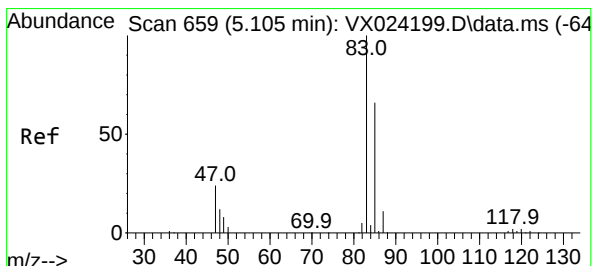
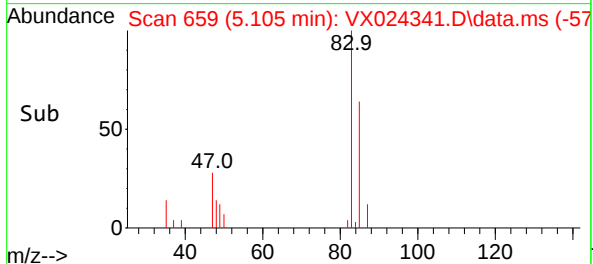
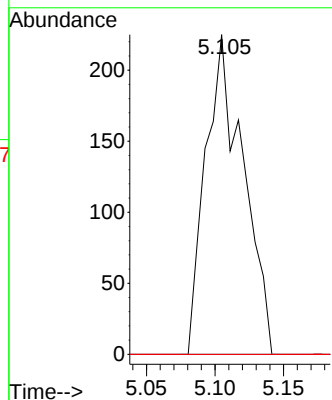
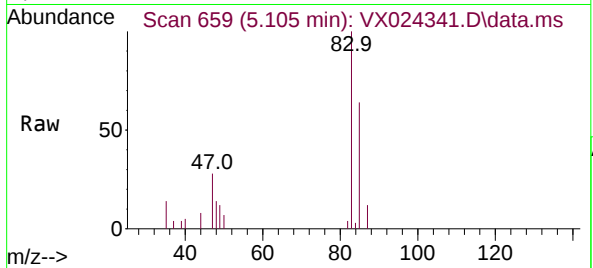




#28
Bromochloromethane
Concen: 0.474 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.195 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

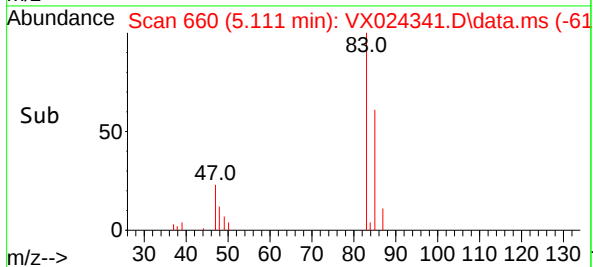
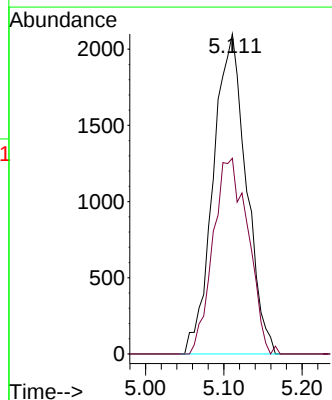
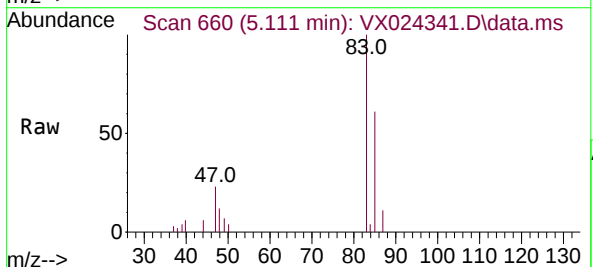
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

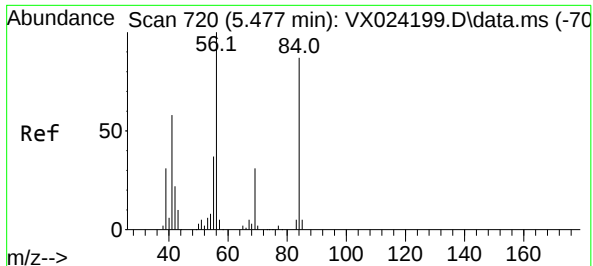
Tgt Ion: 49 Resp: 428
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 2.606 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 83 Resp: 6145
Ion Ratio Lower Upper
83 100
85 61.1 52.0 78.0

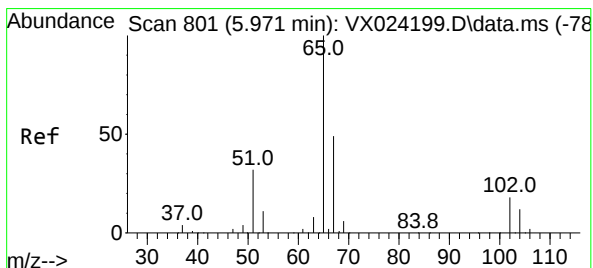
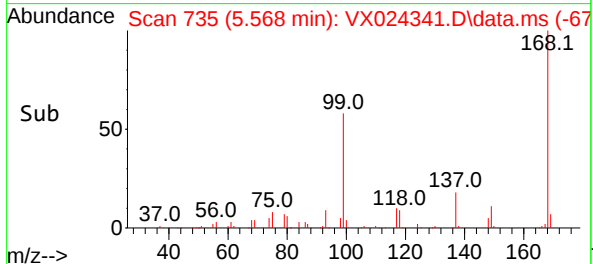
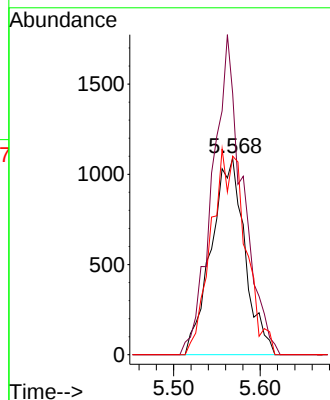
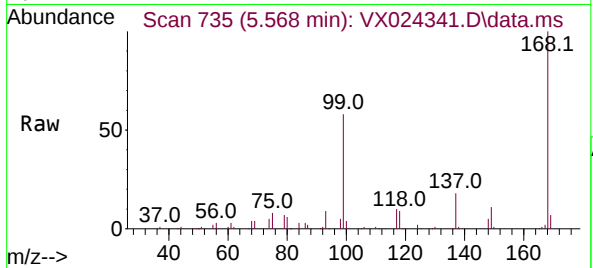




#31
Cyclohexane
Concen: 1.536 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

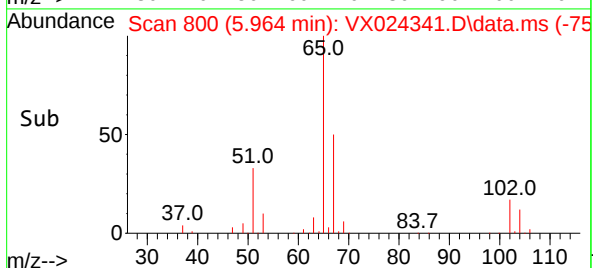
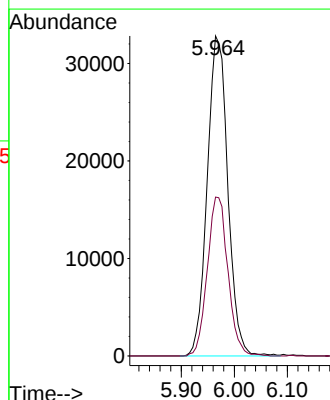
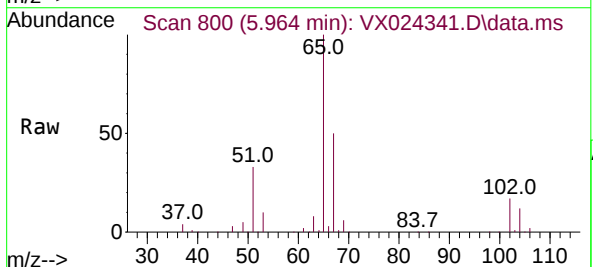
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

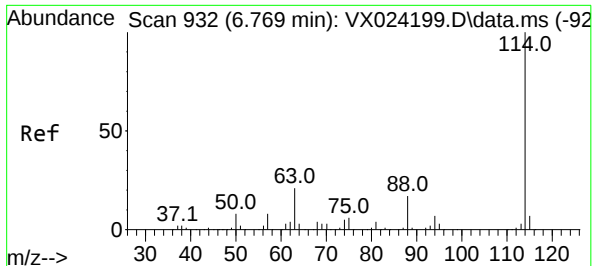
Tgt Ion: 56 Resp: 2941
Ion Ratio Lower Upper
56 100
69 133.0 25.3 37.9#
84 101.1 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 54.134 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 65 Resp: 88620
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.4

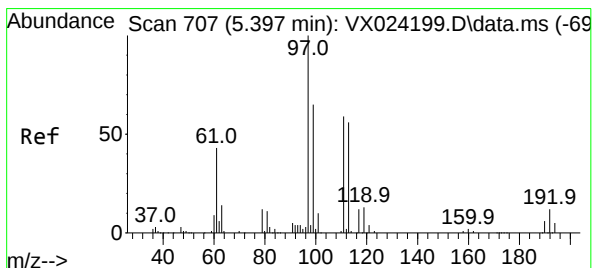
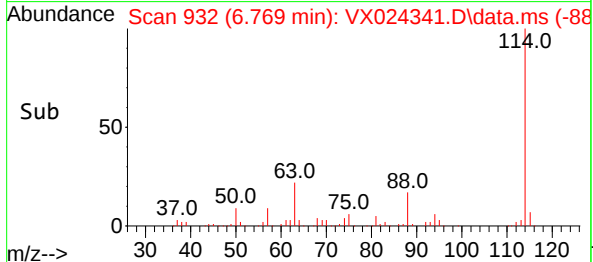
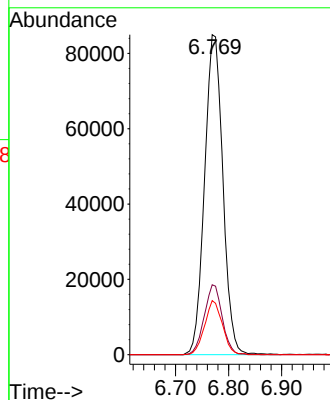
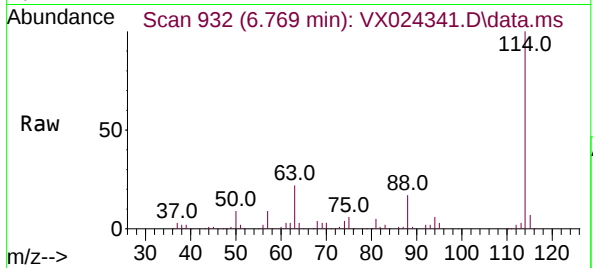




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

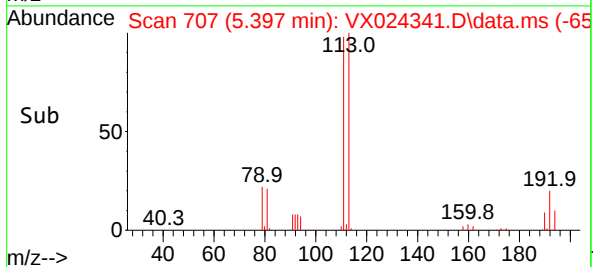
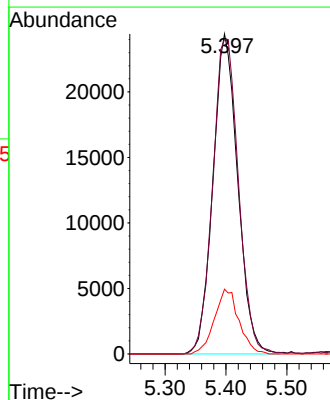
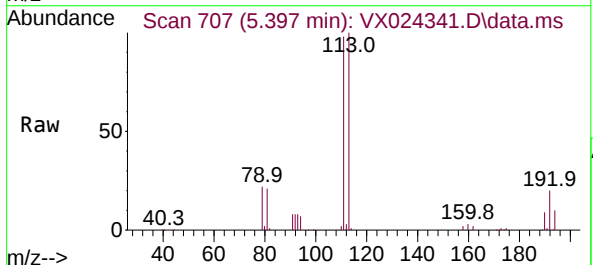
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

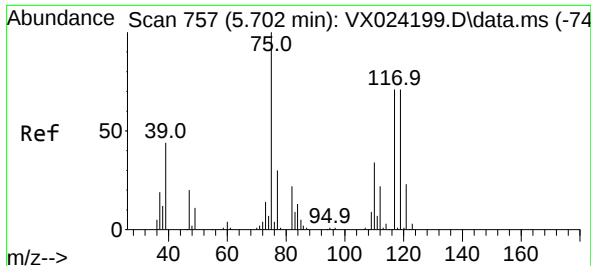
Tgt Ion:114 Resp: 203794
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.462 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion:113 Resp: 68968
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.0 16.7 25.1

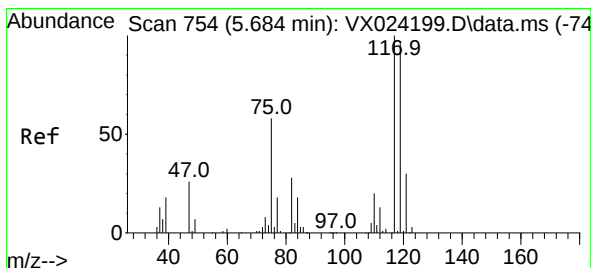
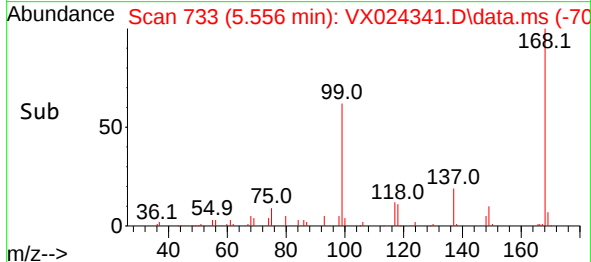
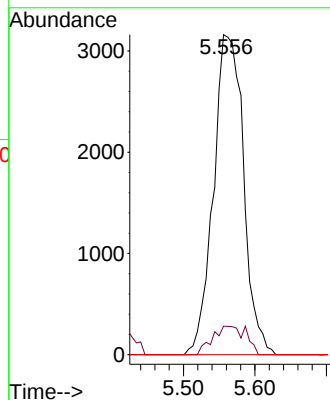
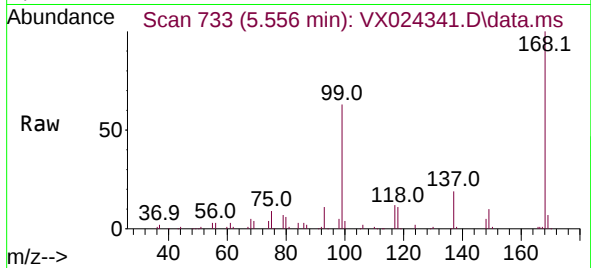




#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

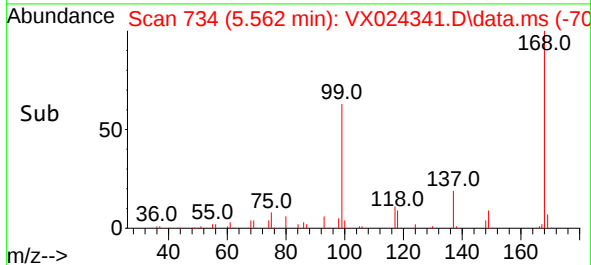
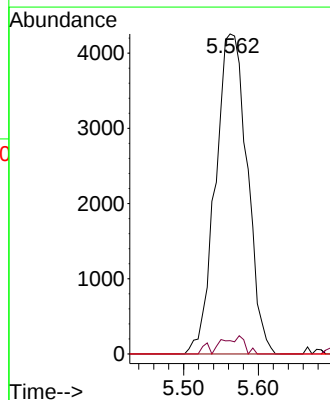
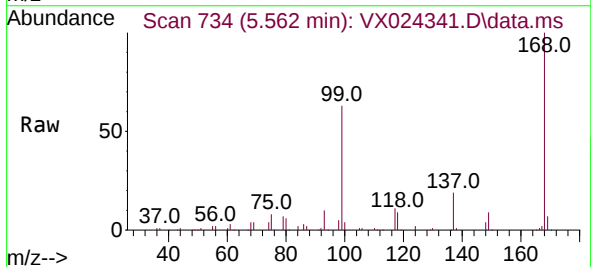
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

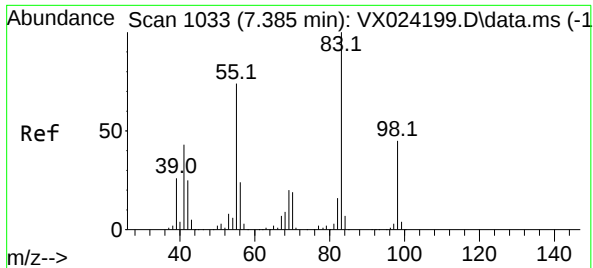
Tgt Ion: 75 Resp: 9205
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 117 Resp: 12553
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.185 ug/l

RT: 7.141 min Scan# 993

Delta R.T. -0.244 min

Lab File: VX024341.D

Acq: 18 Sep 2021 04:55

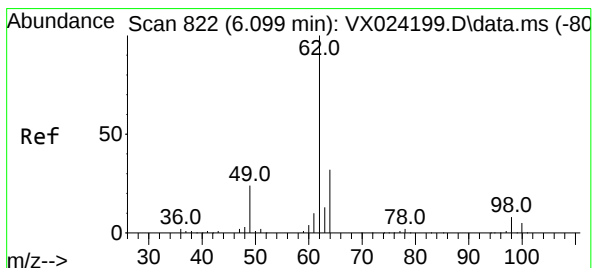
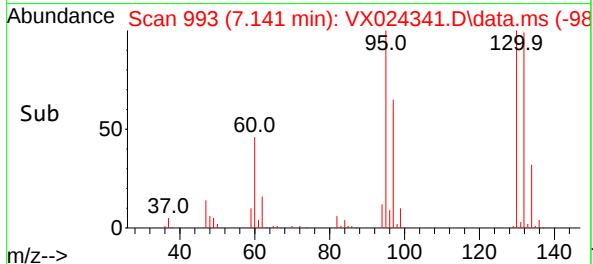
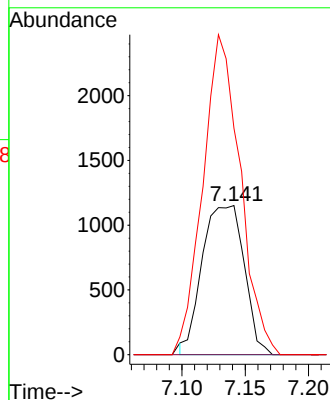
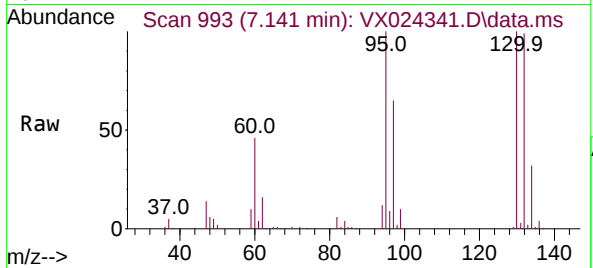
Tgt Ion: 83 Resp: 2650

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

98 164.6 38.1 57.1#



#42

1,2-Dichloroethane

Concen: 0.325 ug/l

RT: 6.099 min Scan# 822

Delta R.T. -0.000 min

Lab File: VX024341.D

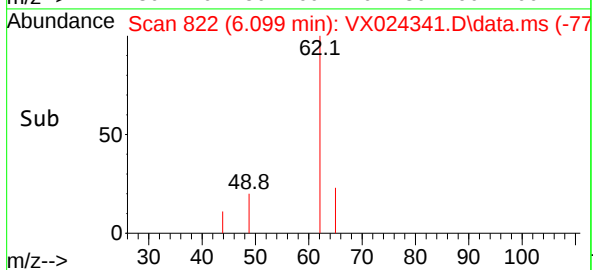
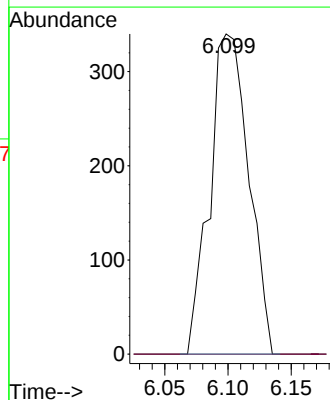
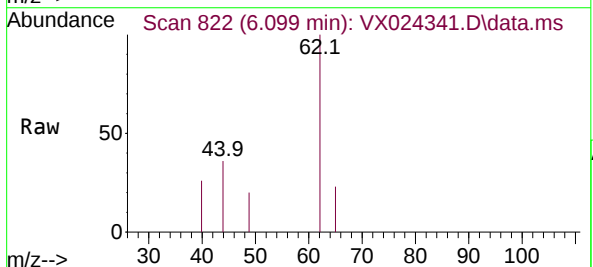
Acq: 18 Sep 2021 04:55

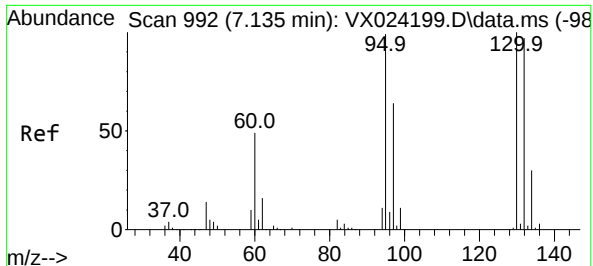
Tgt Ion: 62 Resp: 729

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

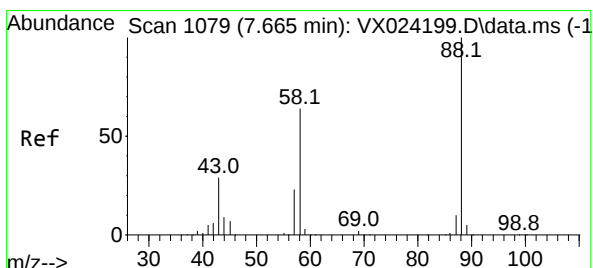
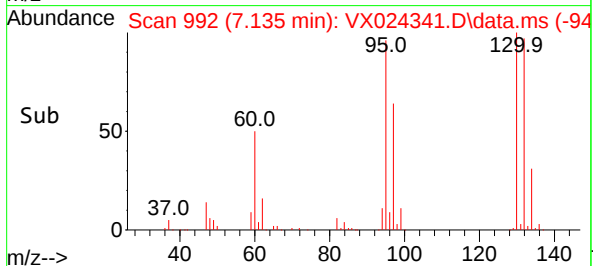
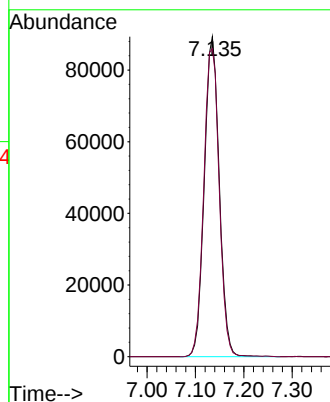
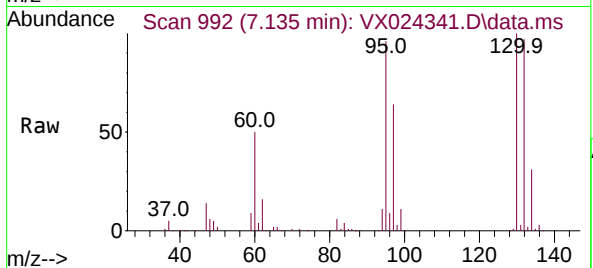




#44
Trichloroethene
Concen: 127.168 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

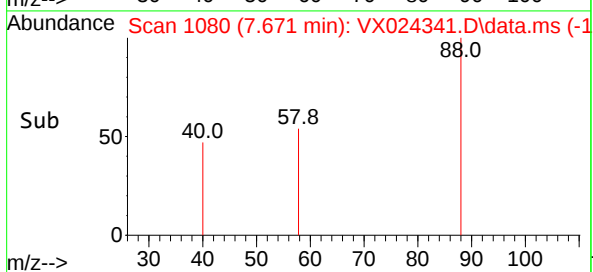
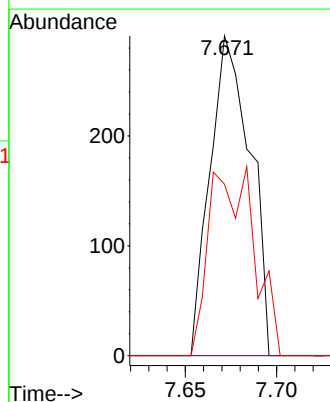
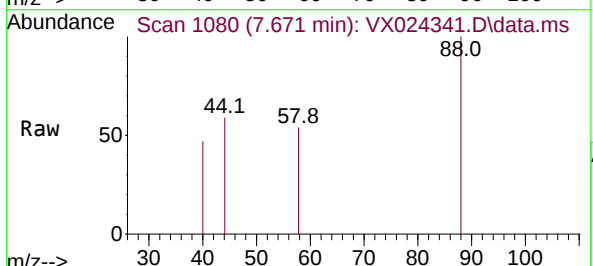
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

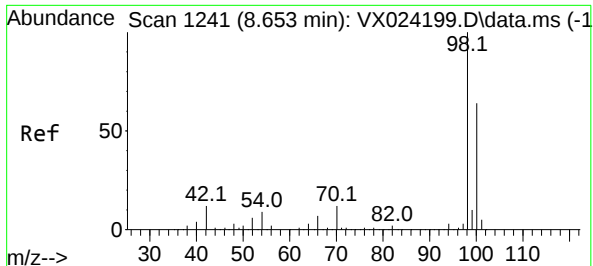
Tgt Ion:130 Resp: 192013
Ion Ratio Lower Upper
130 100
95 96.3 0.0 198.0



#49
1,4-Dioxane
Concen: 12.256 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 88 Resp: 445
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 65.8 55.0 82.4

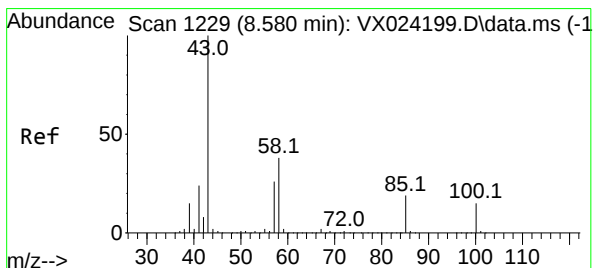
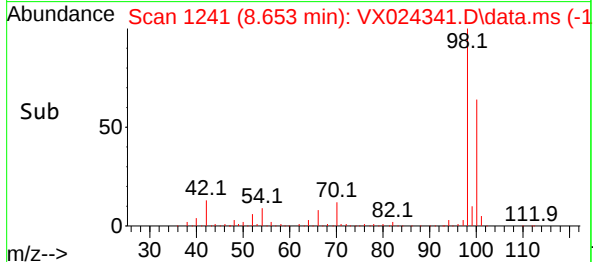
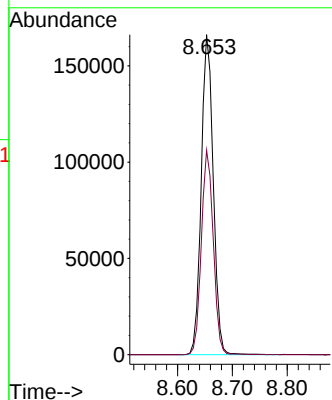
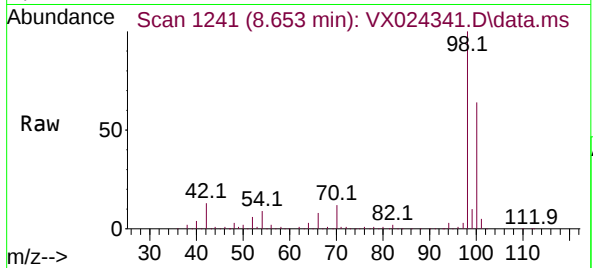




#50
Toluene-d8
Concen: 50.829 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

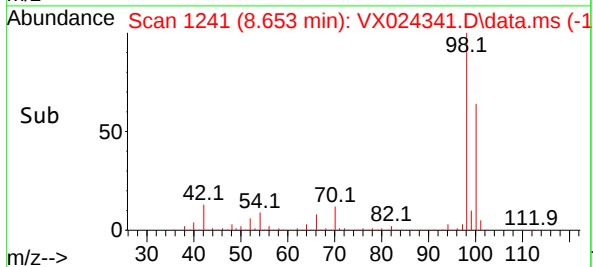
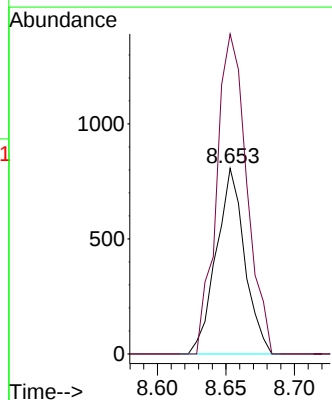
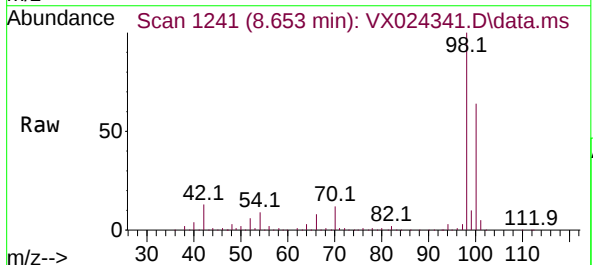
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

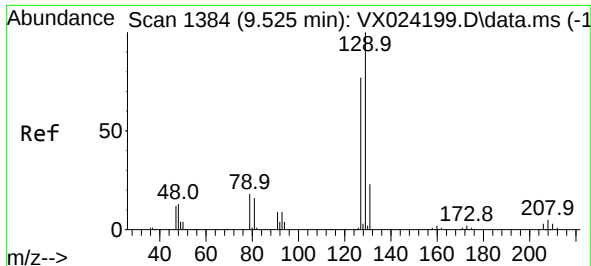
Tgt Ion: 98 Resp: 253074
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.525 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
58 183.7 35.4 53.0#

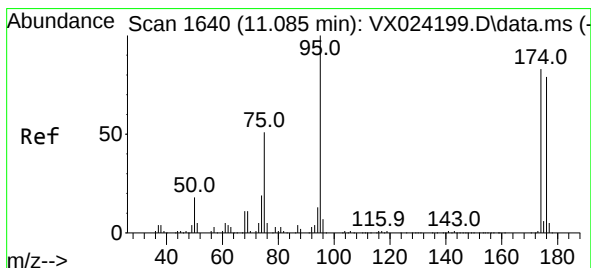
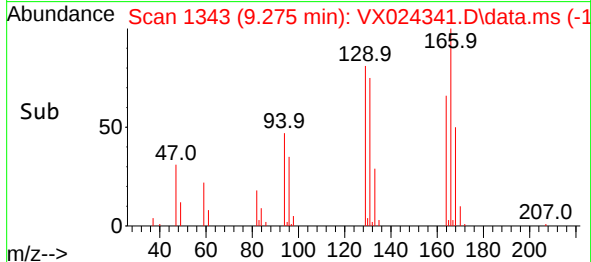
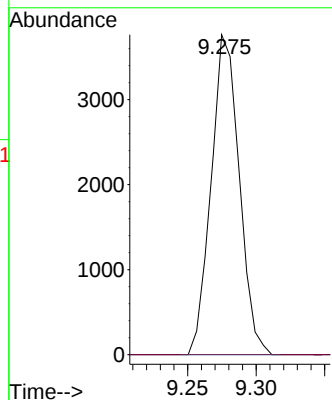
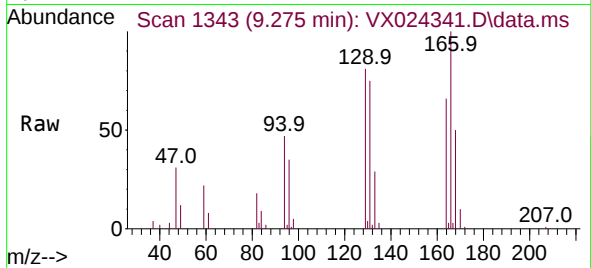




#60
Dibromochloromethane
Concen: 4.768 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

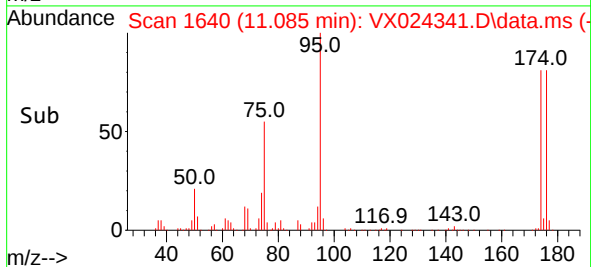
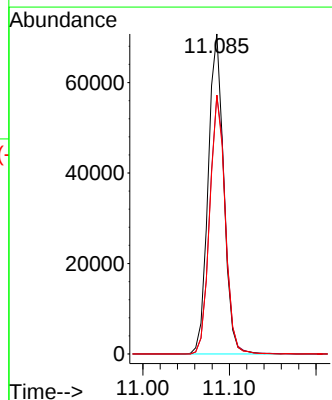
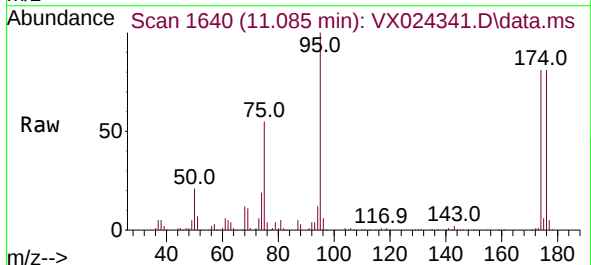
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

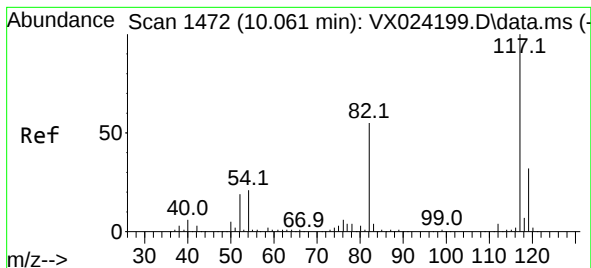
Tgt Ion:129 Resp: 5359
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.582 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 95 Resp: 88321
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 79.9 0.0 155.8

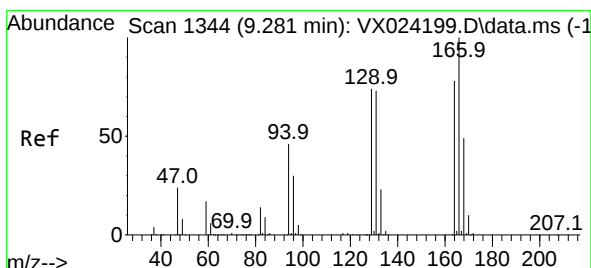
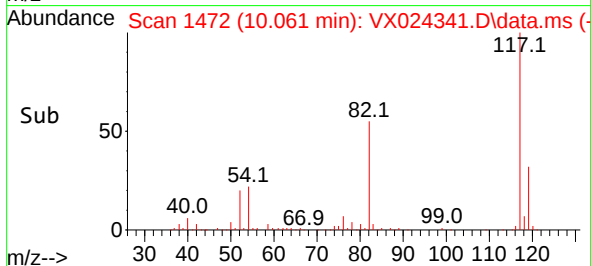
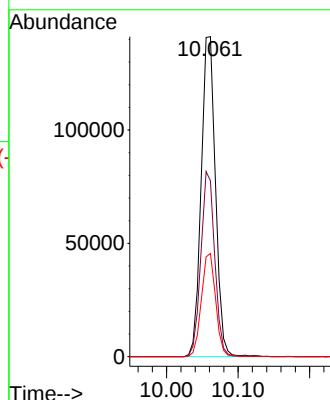
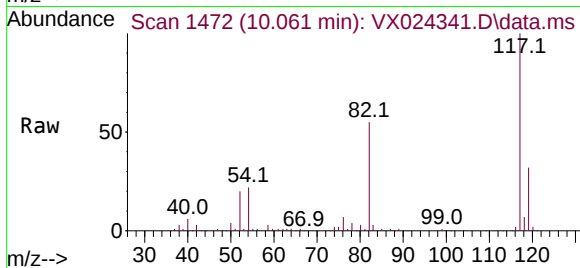




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

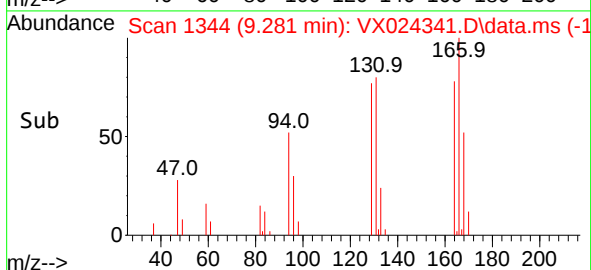
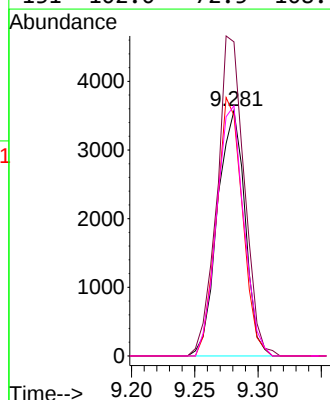
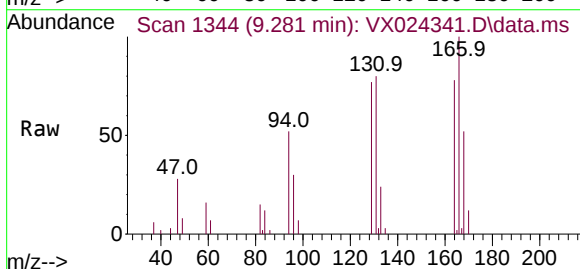
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

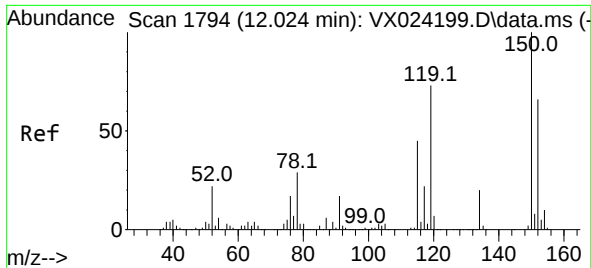
Tgt Ion:117 Resp: 196359
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 3.536 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.000 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion:164 Resp: 5379
Ion Ratio Lower Upper
164 100
166 128.1 103.4 155.2
129 98.1 70.8 106.2
131 102.0 72.5 108.7

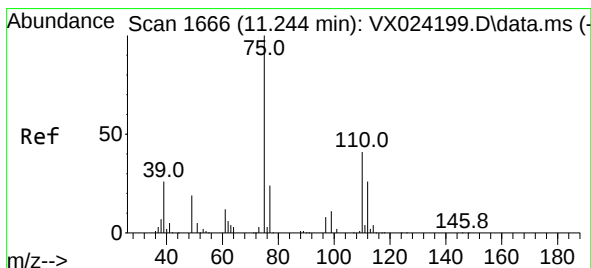
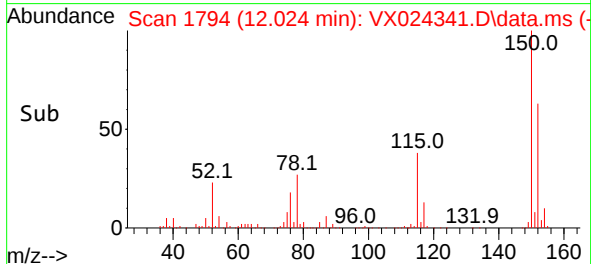
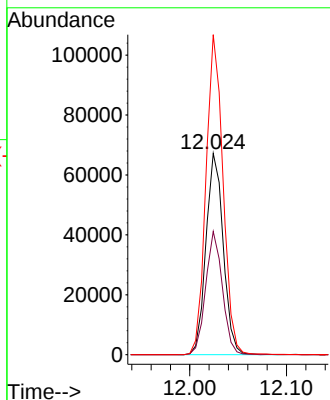
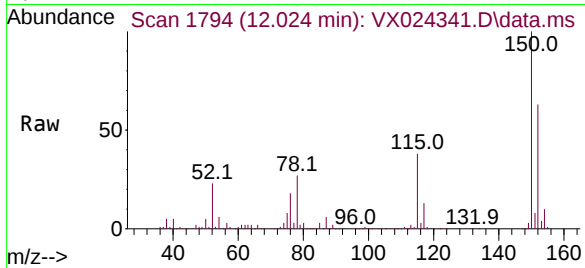




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024341.D
 Acq: 18 Sep 2021 04:55

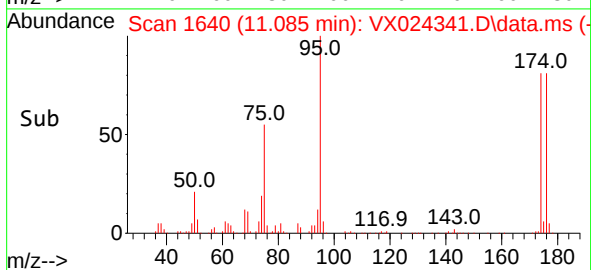
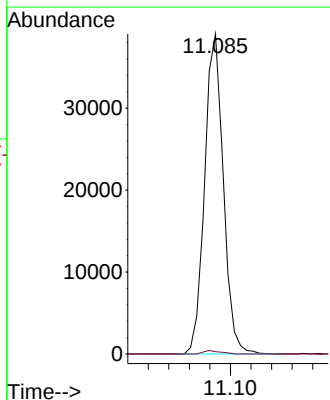
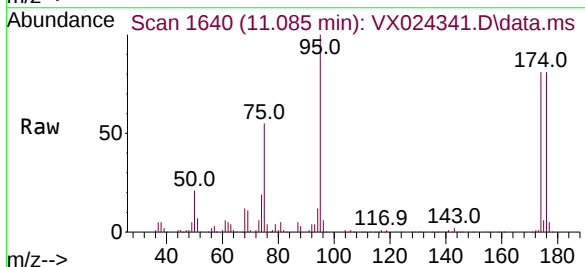
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20210914

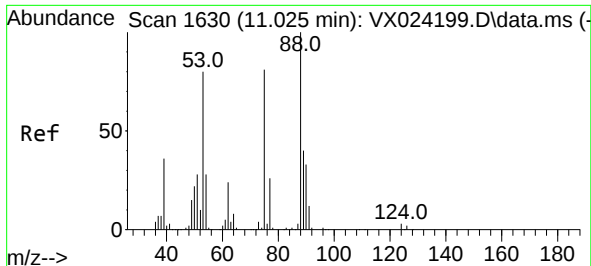
Tgt Ion:152 Resp: 83328
 Ion Ratio Lower Upper
 152 100
 115 59.2 41.1 123.3
 150 156.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.803 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024341.D
 Acq: 18 Sep 2021 04:55

Tgt Ion: 75 Resp: 49439
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

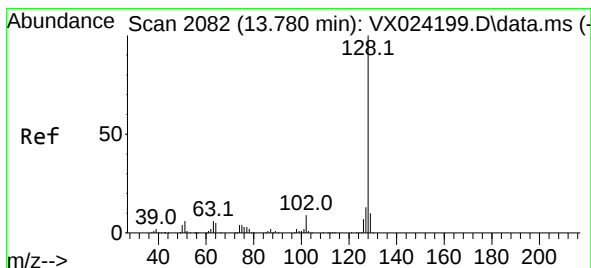
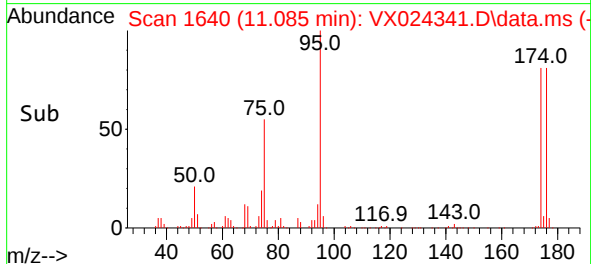
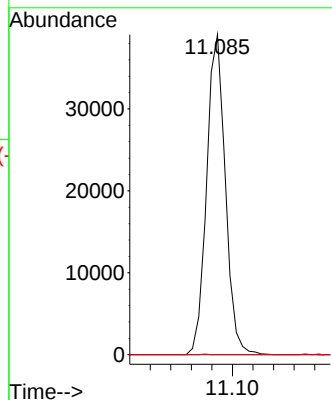
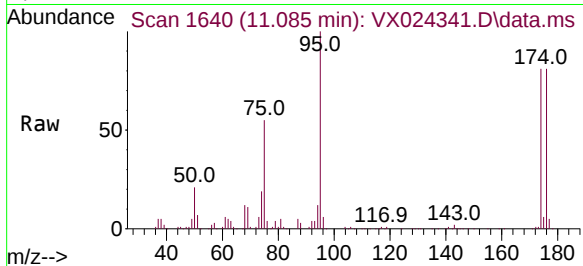




#81
trans-1,4-Dichloro-2-butene
Concen: 75.886 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210914

Tgt Ion: 75 Resp: 49439
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.294 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX024341.D
Acq: 18 Sep 2021 04:55

Tgt Ion: 128 Resp: 45
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

