

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024491.D
 Acq On : 24 Sep 2021 08:33
 Operator : JC/MD
 Sample : M3829-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20210917

Quant Time: Sep 24 09:07:34 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

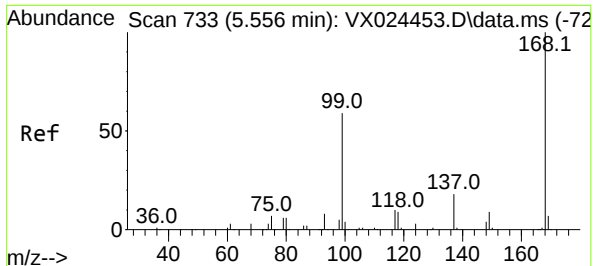
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	133763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201813	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	215552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96259	51.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.120%			
35) Dibromofluoromethane	5.397	113	80257	59.862	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.720%			
50) Toluene-d8	8.653	98	272847	55.294	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.580%			
62) 4-Bromofluorobenzene	11.085	95	91131	46.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	449	0.334	ug/l #	31
3) Chloromethane	1.301	50	259	0.204	ug/l #	88
6) Chloroethane	1.685	64	176	0.456	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	11465	8.681	ug/l	95
11) Tert butyl alcohol	2.947	59	458	Below Cal	#	73
12) 1,1-Dichloroethene	2.325	96	2430	1.982	ug/l	87
14) Allyl chloride	2.550	41	565	0.252	ug/l #	35
16) Acetone	2.380	43	1702	Below Cal		93
17) Carbon Disulfide	2.514	76	178	0.284	ug/l #	75
19) Methyl tert-butyl Ether	3.130	73	2412	0.522	ug/l #	87
20) Methylene Chloride	2.794	84	204	Below Cal	#	74
24) 1,1-Dichloroethane	3.623	63	2969	1.168	ug/l #	91
27) cis-1,2-Dichloroethene	4.501	96	7228	4.441	ug/l	93
30) Chloroform	5.111	83	2224	0.792	ug/l #	69
31) Cyclohexane	5.556	56	2670	1.183	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	10563	5.460	ug/l #	49
38) Carbon Tetrachloride	5.696	117	495	0.235	ug/l #	58
39) Methylcyclohexane	7.129	83	5154	2.275	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	593	0.255	ug/l	82
44) Trichloroethene	7.135	130	416090	273.362	ug/l	98
49) 1,4-Dioxane	7.671	88	1178	28.284	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1294	0.534	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	324	0.219	ug/l	88
60) Dibromochloromethane	9.275	129	15678	10.316	ug/l #	11
64) Tetrachloroethene	9.275	164	15857	10.629	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	49439	25.377	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49439	69.172	ug/l #	12

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

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Response via : Initial Calibration

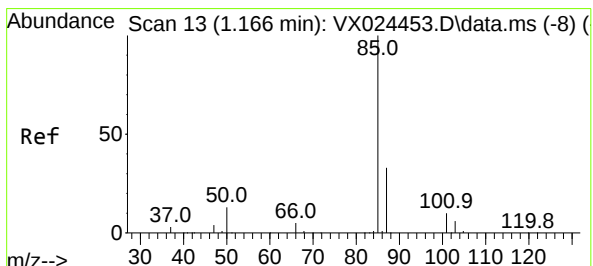
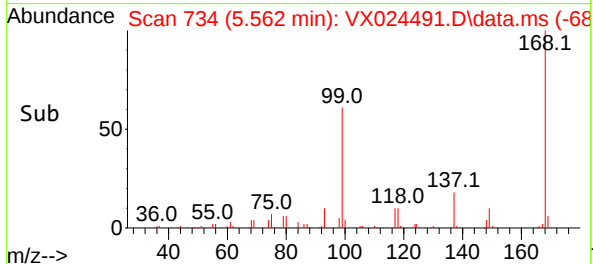
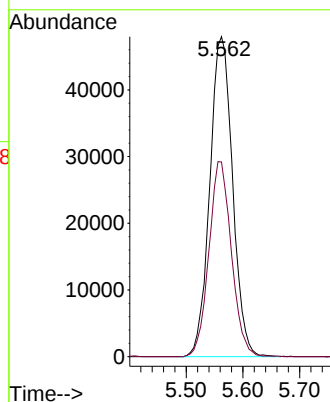
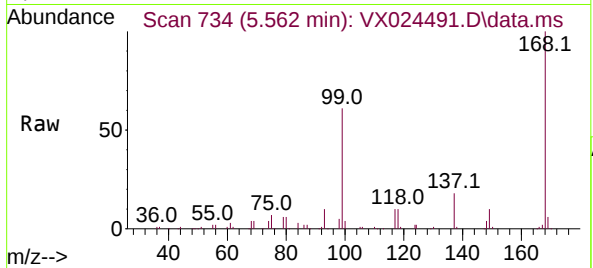




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

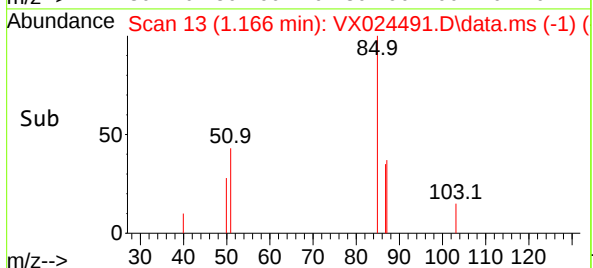
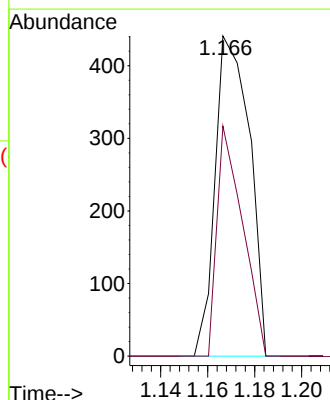
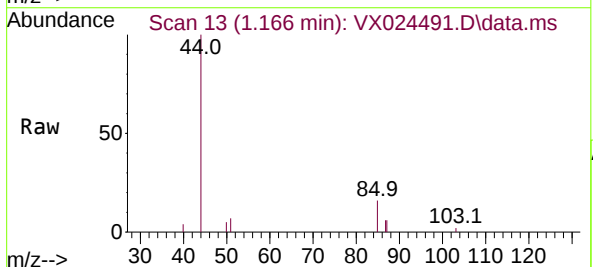
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

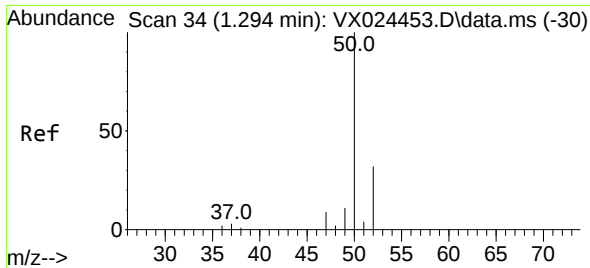
Tgt Ion:168 Resp: 133763
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.334 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 85 Resp: 449
Ion Ratio Lower Upper
85 100
87 71.9 16.4 49.2#

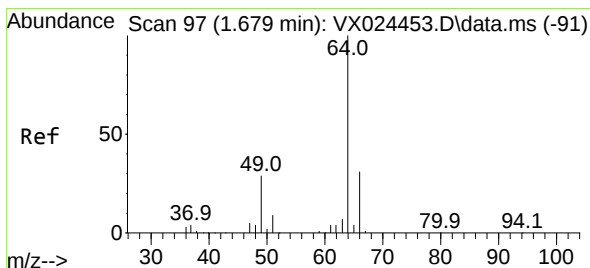
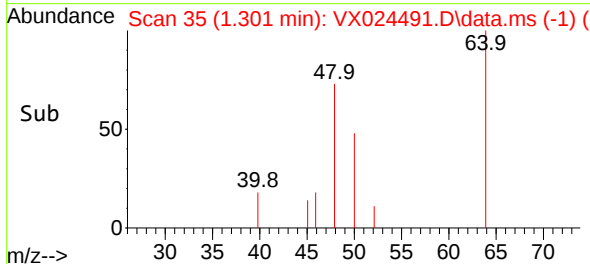
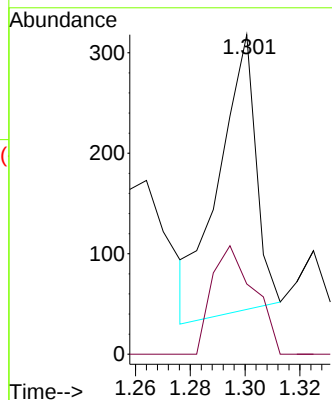
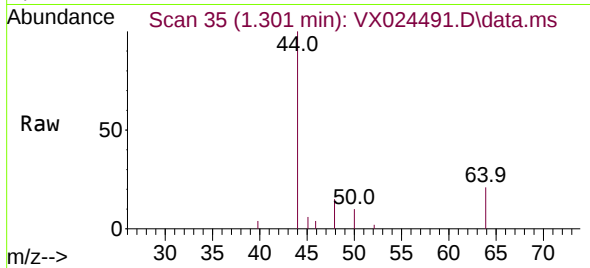




#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

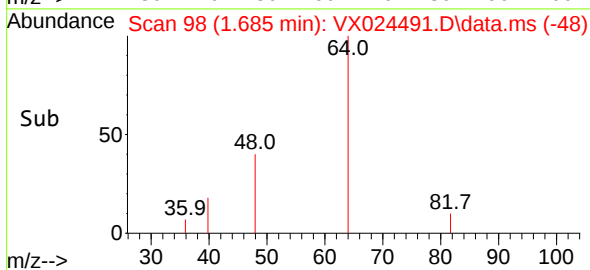
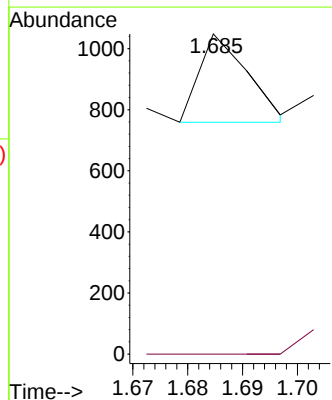
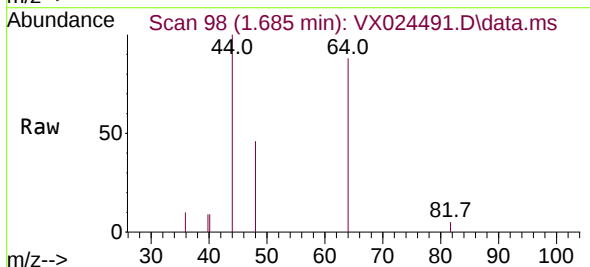
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

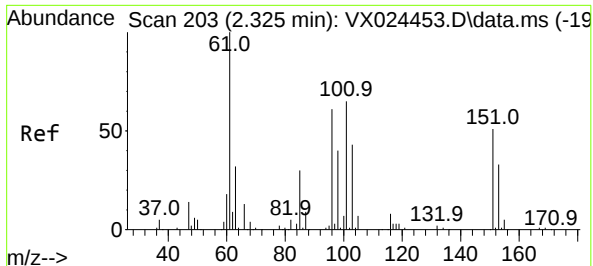
Tgt Ion: 50 Resp: 259
Ion Ratio Lower Upper
50 100
52 26.3 26.4 39.6#



#6
Chloroethane
Concen: 0.456 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

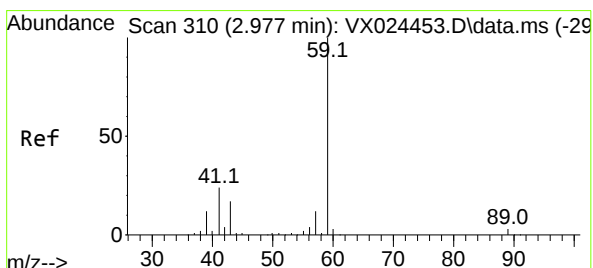
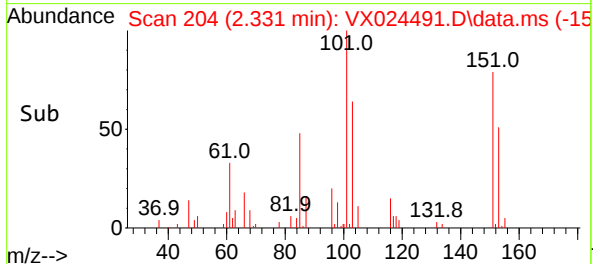
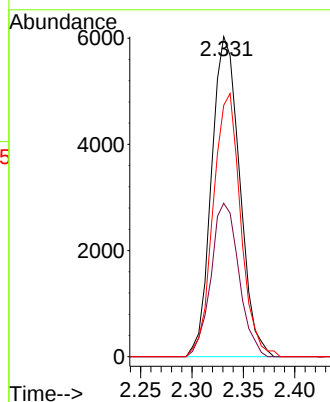
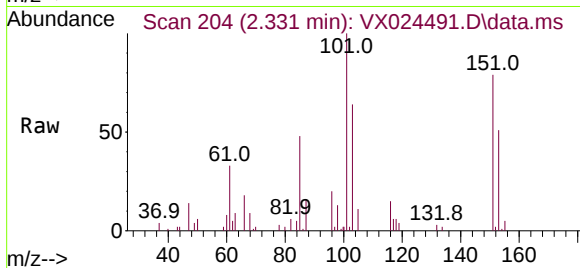




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.681 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

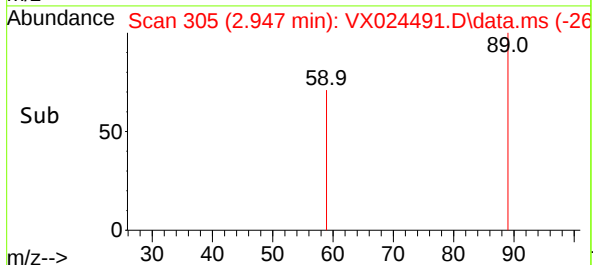
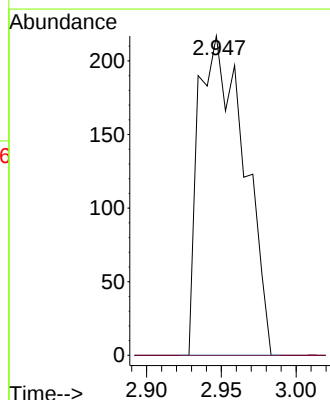
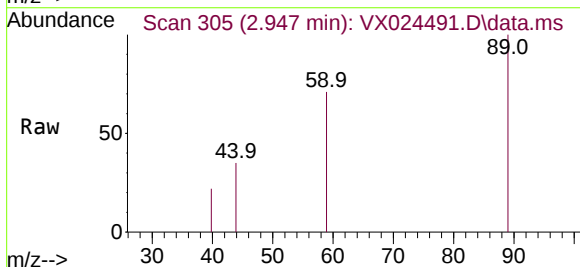
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

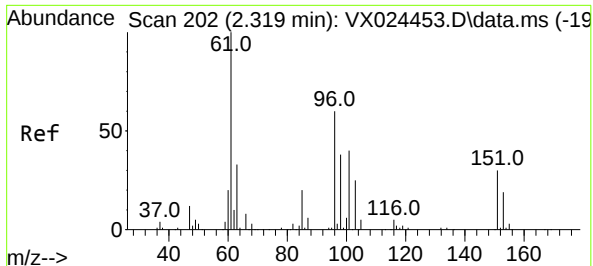
Tgt Ion:101 Resp: 11465
Ion Ratio Lower Upper
101 100
85 47.5 34.9 52.3
151 80.2 61.4 92.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.982 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

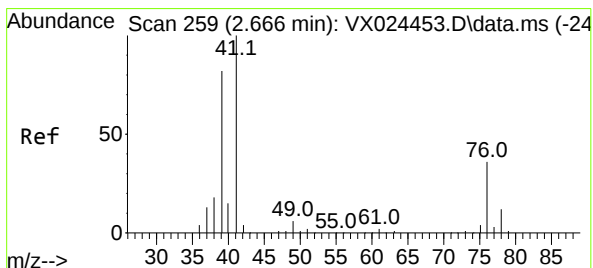
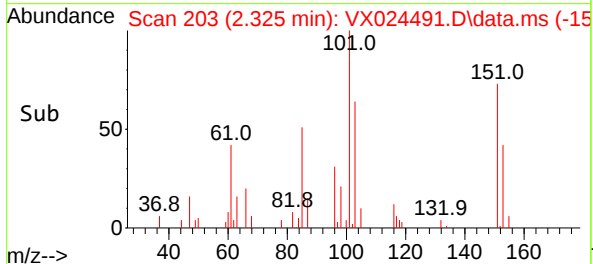
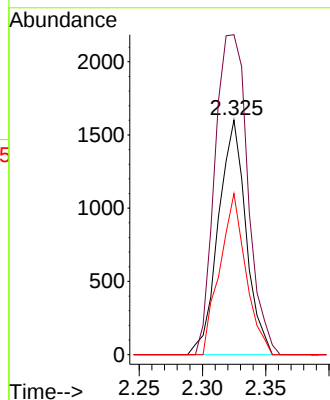
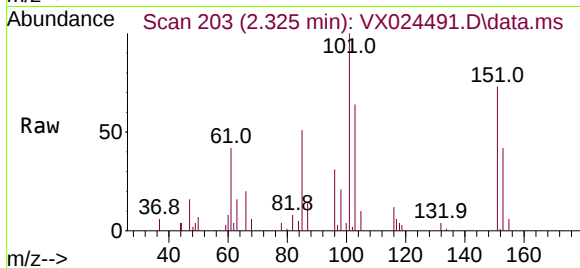
Tgt Ion: 96 Resp: 2430

Ion Ratio Lower Upper

96 100

61 136.4 124.6 187.0

98 68.7 50.6 76.0



#14

Allyl chloride

Concen: 0.252 ug/l

RT: 2.550 min Scan# 240

Delta R.T. -0.116 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

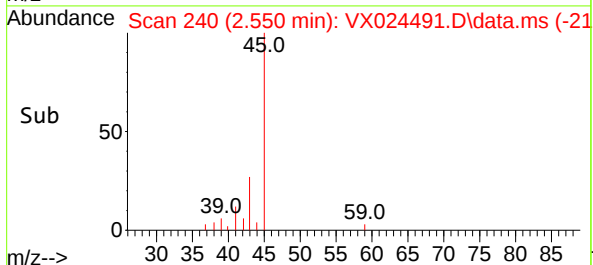
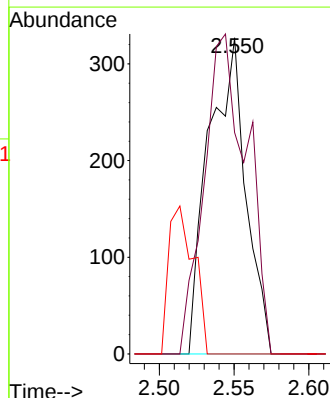
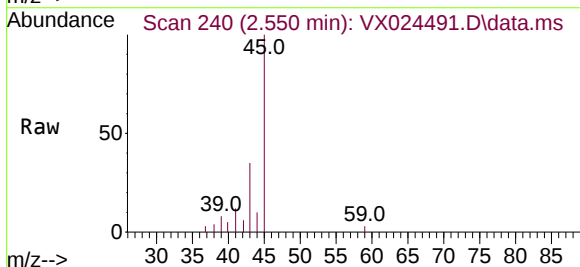
Tgt Ion: 41 Resp: 565

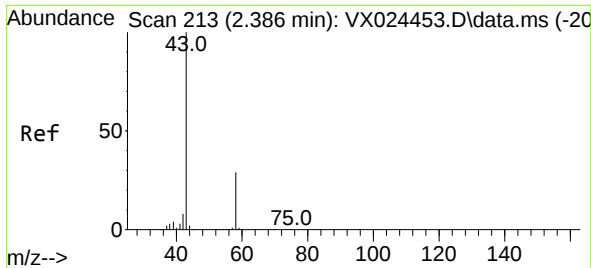
Ion Ratio Lower Upper

41 100

39 116.5 51.6 77.4#

76 0.0 30.5 45.7#

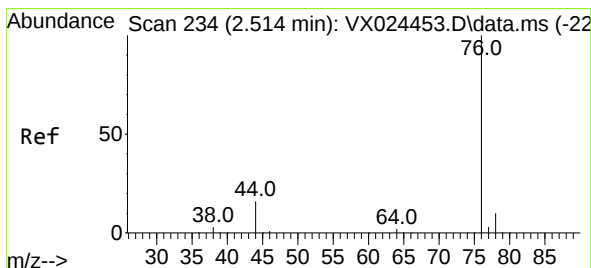
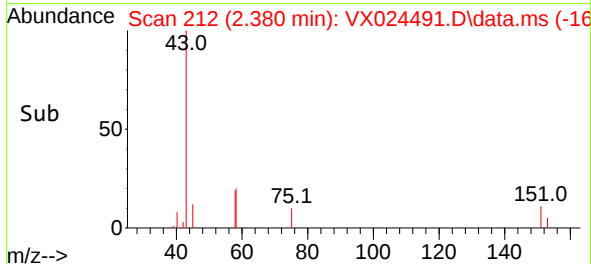
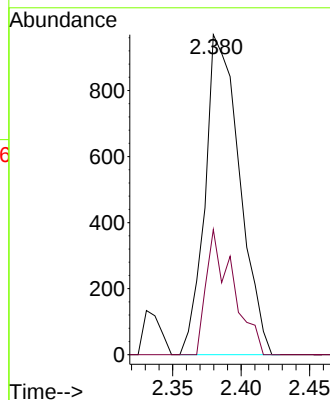
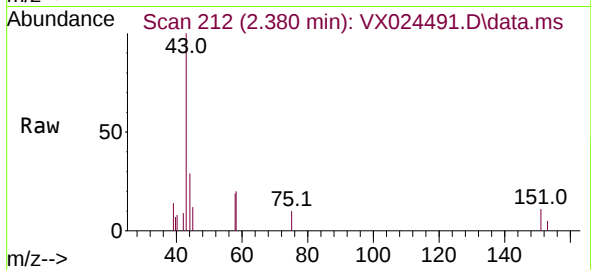




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

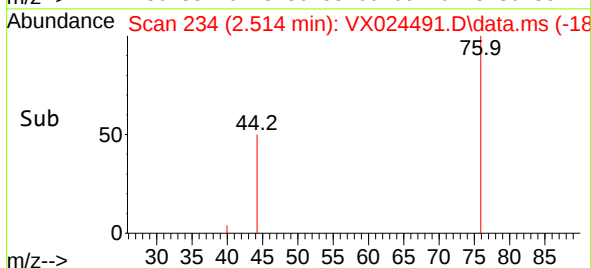
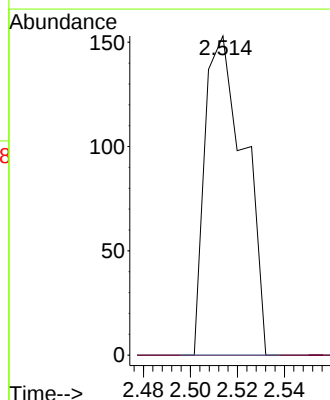
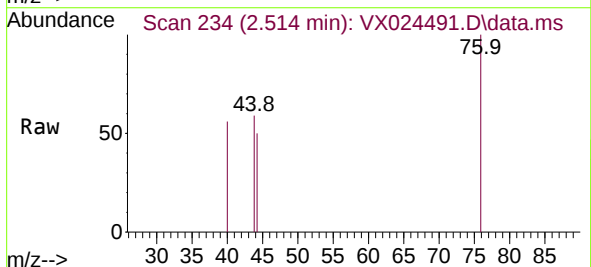
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

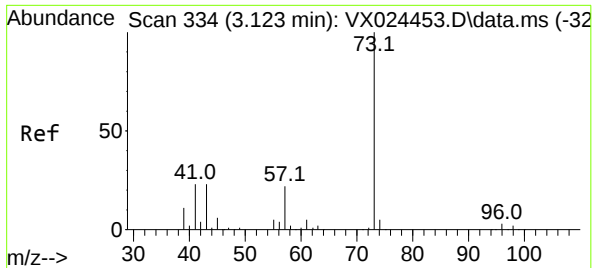
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 39.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 76 Resp: 178
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

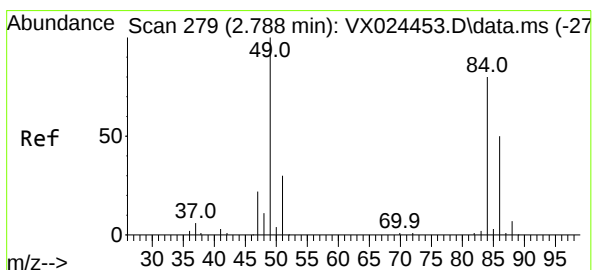
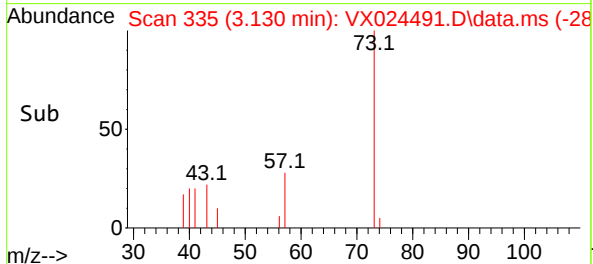
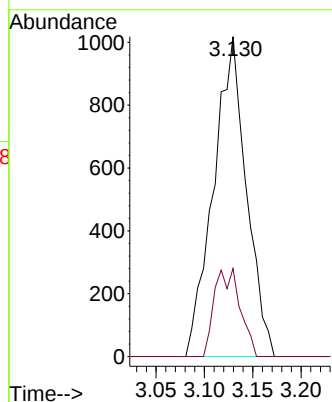
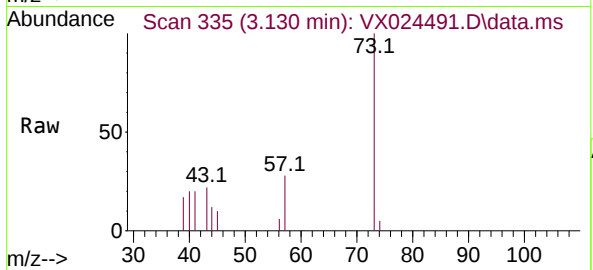




#19
Methyl tert-butyl Ether
Concen: 0.522 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.007 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

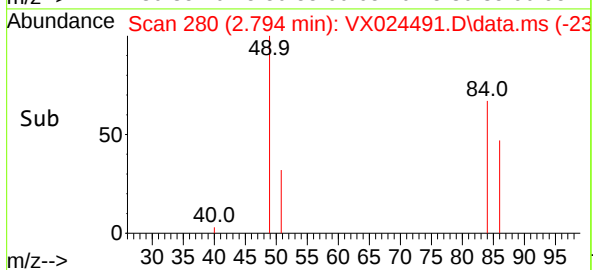
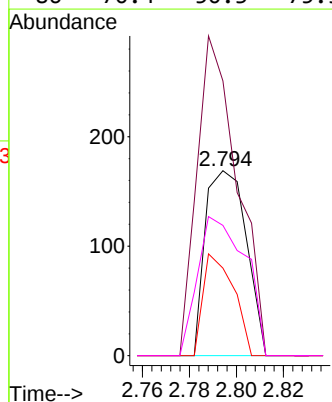
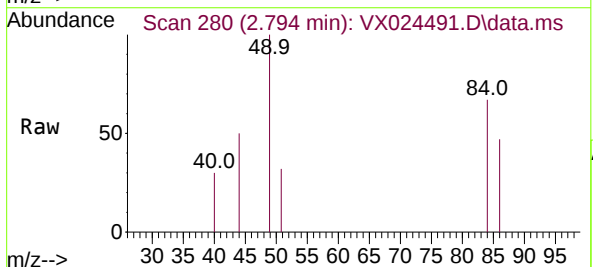
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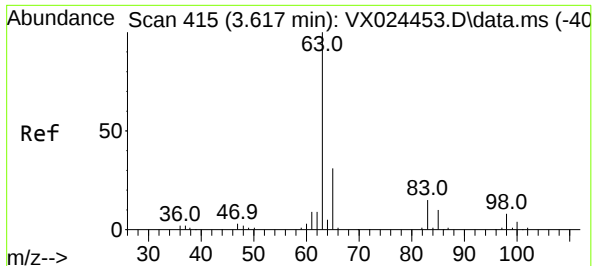
Tgt Ion: 73 Resp: 2412
Ion Ratio Lower Upper
73 100
57 27.5 17.1 25.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

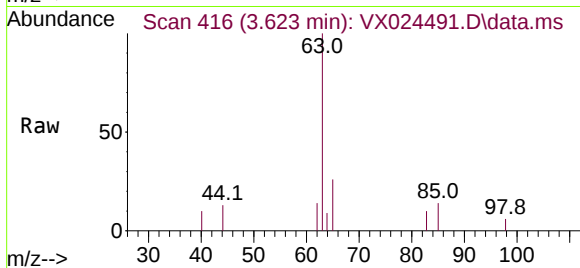
Tgt Ion: 84 Resp: 204
Ion Ratio Lower Upper
84 100
49 148.5 88.6 132.8#
51 47.3 27.0 40.6#
86 70.4 50.3 75.5



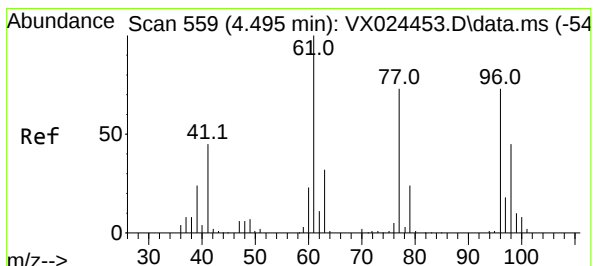
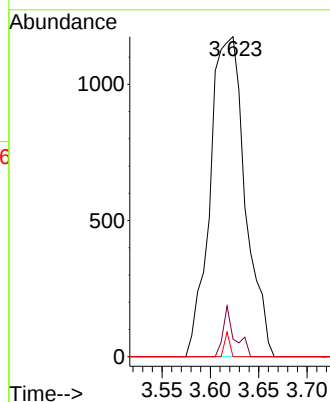
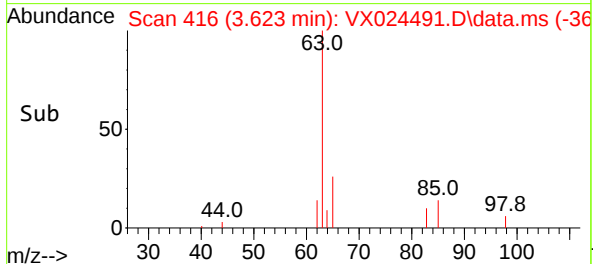


#24
1,1-Dichloroethane
Concen: 1.168 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

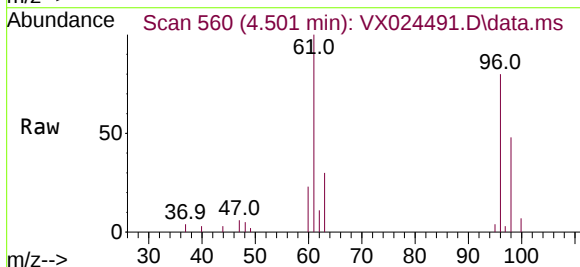
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917



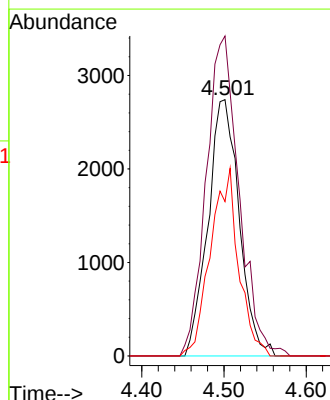
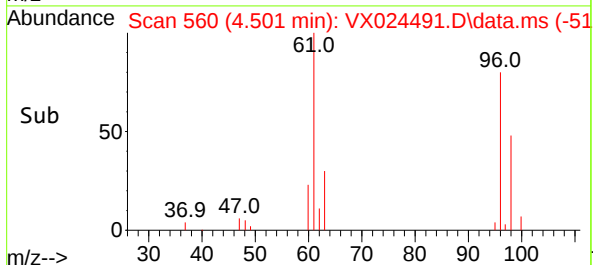
Tgt Ion: 63 Resp: 2969
Ion Ratio Lower Upper
63 100
98 5.5 3.8 11.2
100 0.0 2.5 7.5#

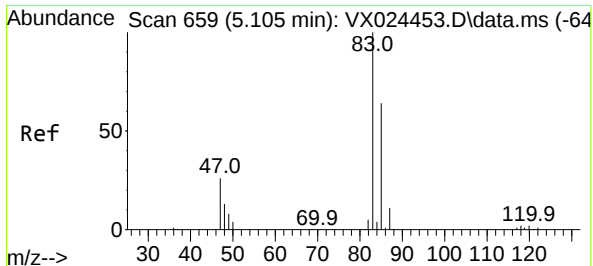


#27
cis-1,2-Dichloroethene
Concen: 4.441 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33



Tgt Ion: 96 Resp: 7228
Ion Ratio Lower Upper
96 100
61 131.3 0.0 285.6
98 65.7 0.0 129.6





#30

Chloroform

Concen: 0.792 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX024491.D

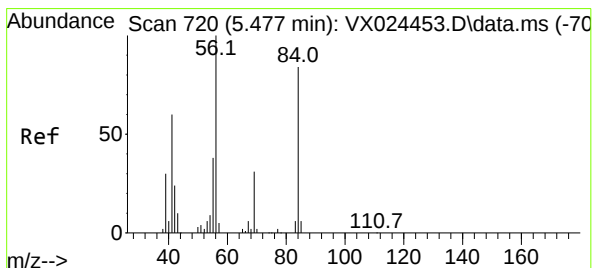
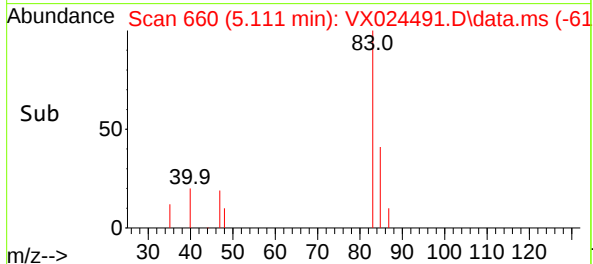
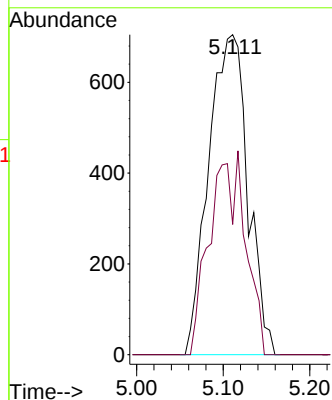
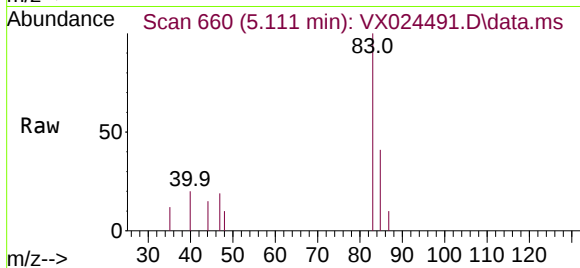
Acq: 24 Sep 2021 08:33

Tgt Ion: 83 Resp: 2224

Ion Ratio Lower Upper

83 100

85 40.7 52.0 78.0#



#31

Cyclohexane

Concen: 1.183 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

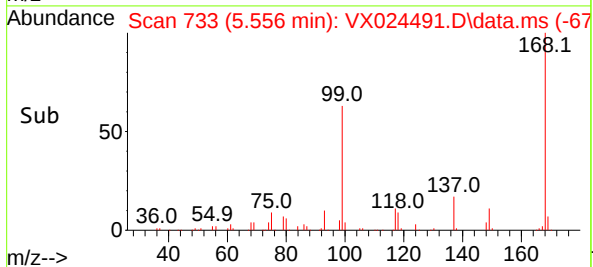
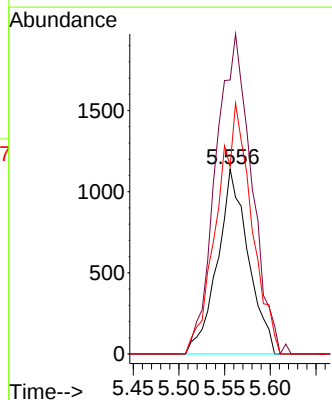
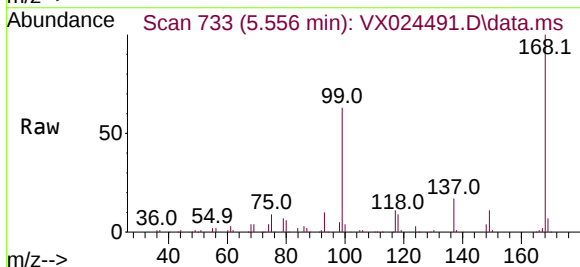
Tgt Ion: 56 Resp: 2670

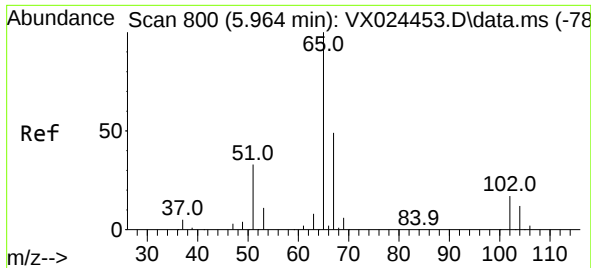
Ion Ratio Lower Upper

56 100

69 148.1 25.3 37.9#

84 101.6 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 51.060 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024491.D

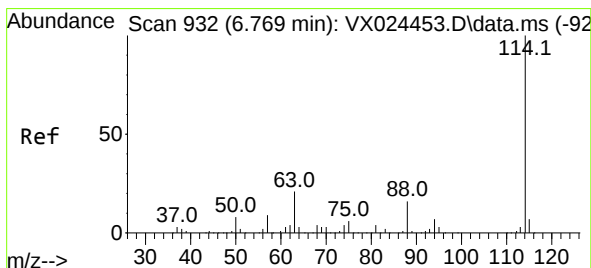
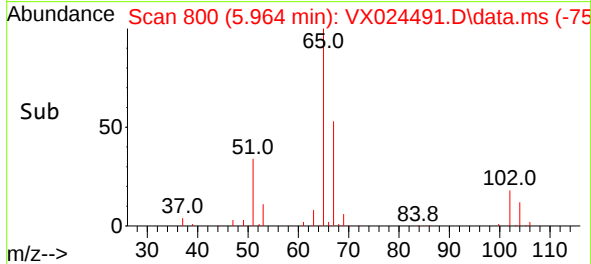
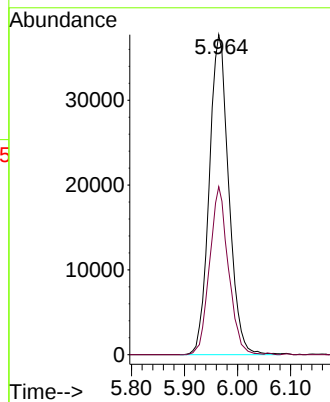
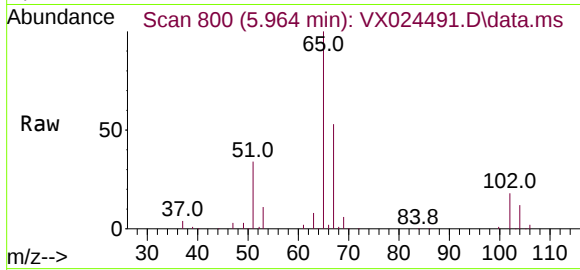
Acq: 24 Sep 2021 08:33

Tgt Ion: 65 Resp: 96259

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: VX024491.D

Acq: 24 Sep 2021 08:33

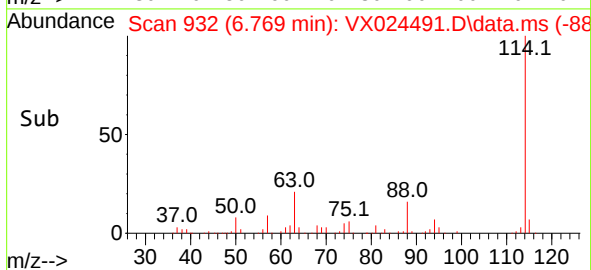
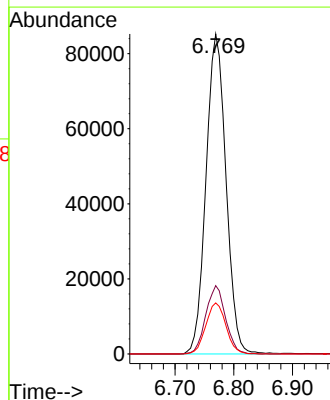
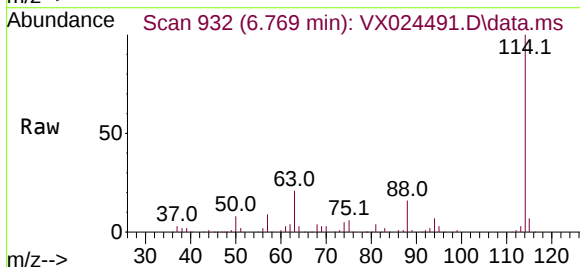
Tgt Ion: 114 Resp: 201813

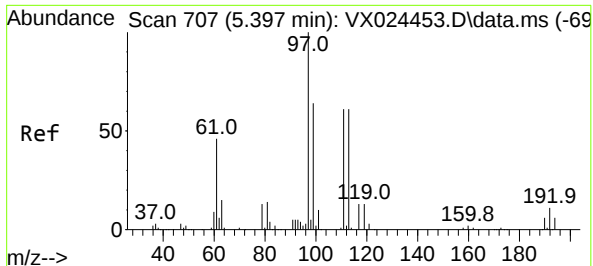
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 59.862 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

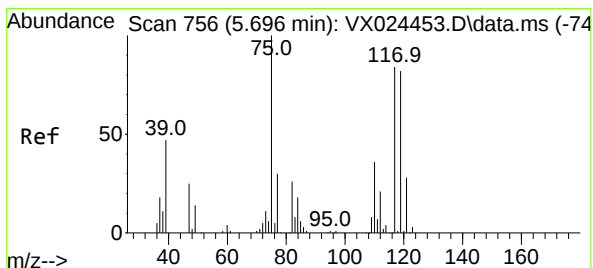
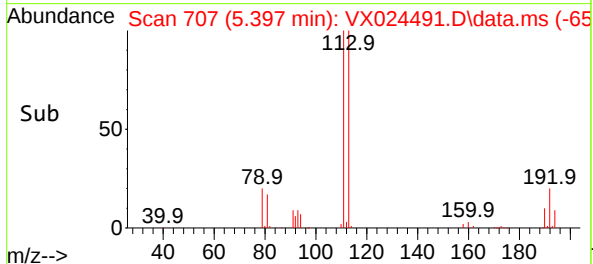
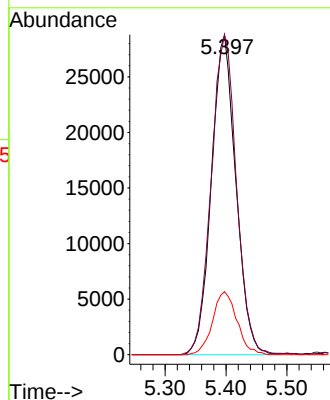
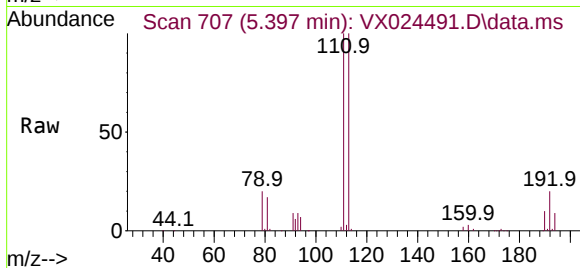
Tgt Ion:113 Resp: 80257

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.460 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

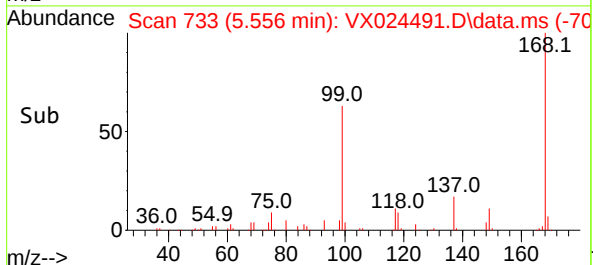
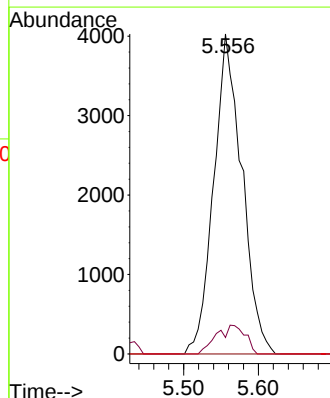
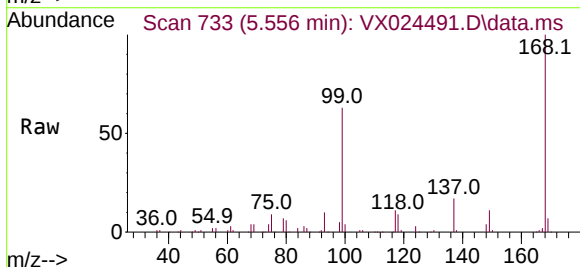
Tgt Ion: 75 Resp: 10563

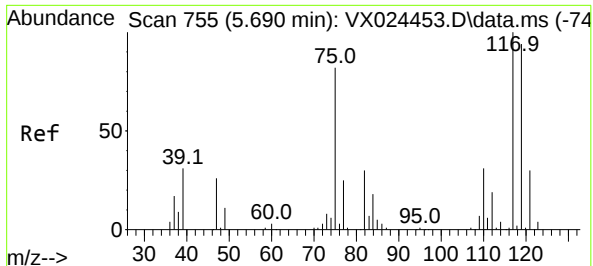
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

77 0.0 25.3 37.9#

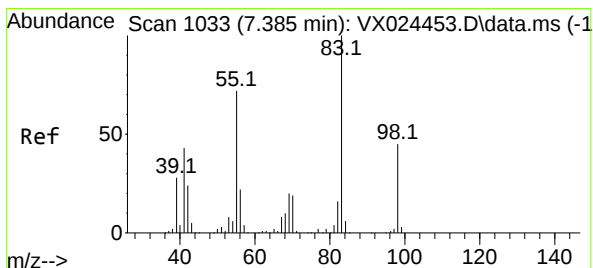
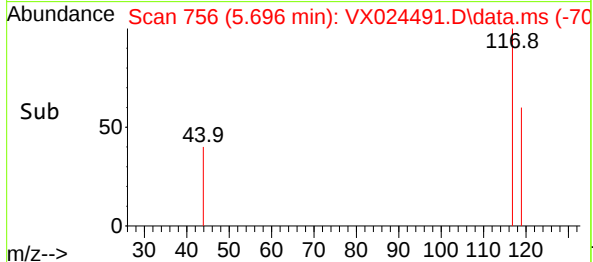
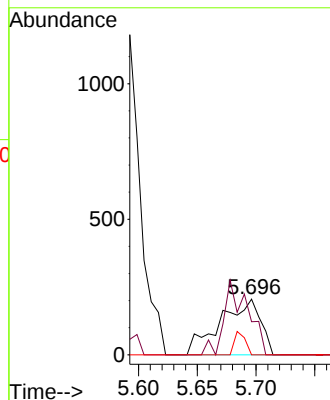
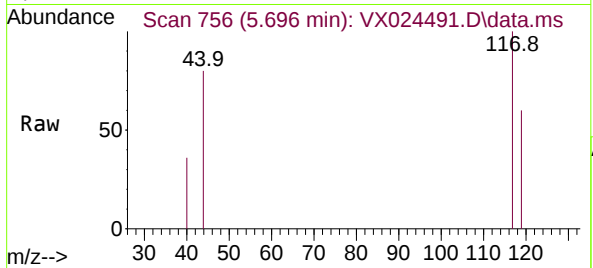




#38
Carbon Tetrachloride
Concen: 0.235 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

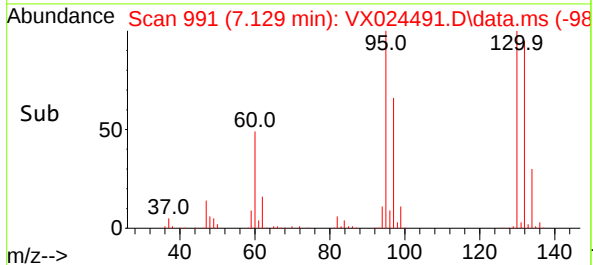
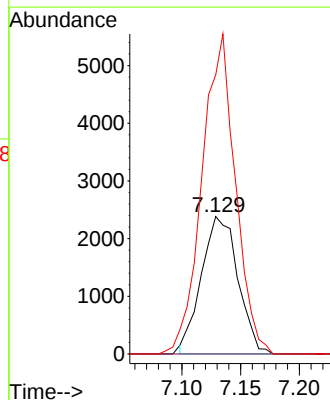
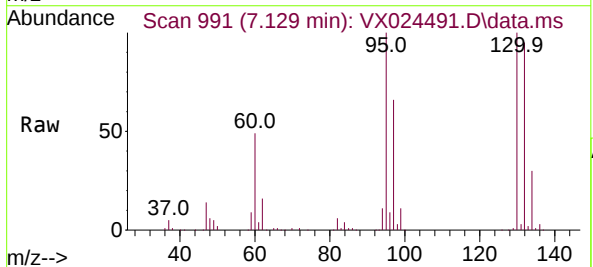
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

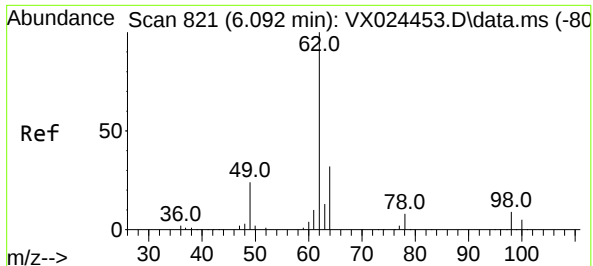
Tgt Ion:117 Resp: 495
Ion Ratio Lower Upper
117 100
119 59.5 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.275 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 83 Resp: 5154
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 200.8 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.255 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

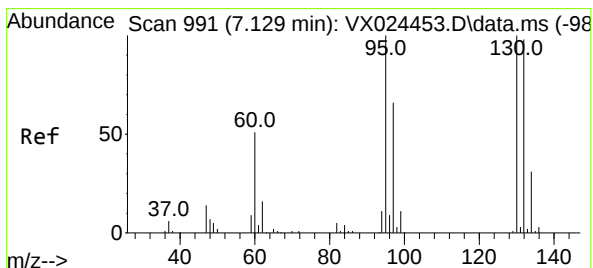
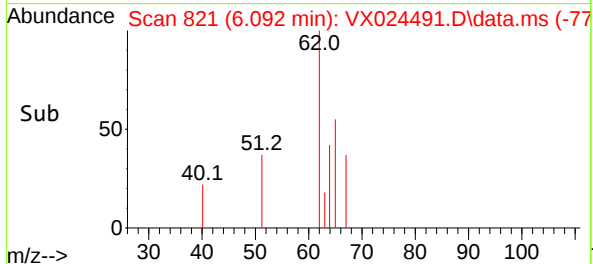
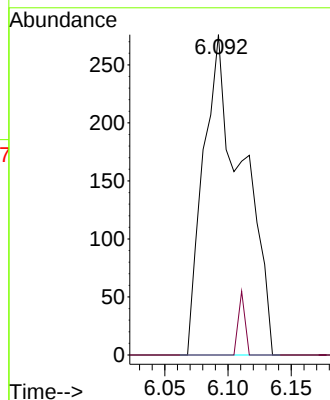
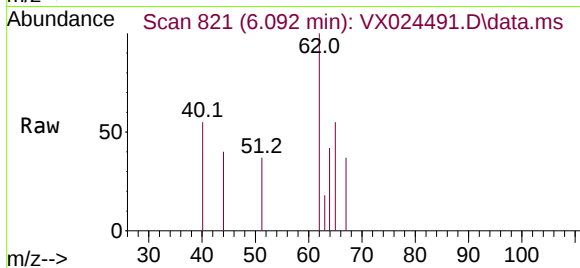
Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

Tgt Ion: 62 Resp: 593

Ion Ratio Lower Upper

62	100		
98	3.4	0.0	20.2



#44

Trichloroethene

Concen: 273.362 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

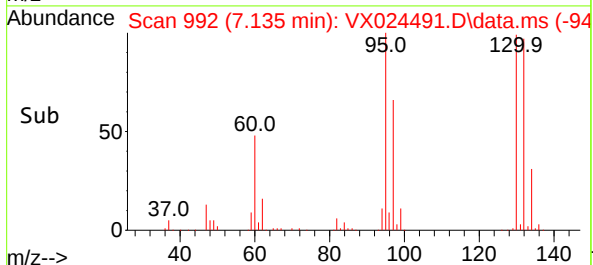
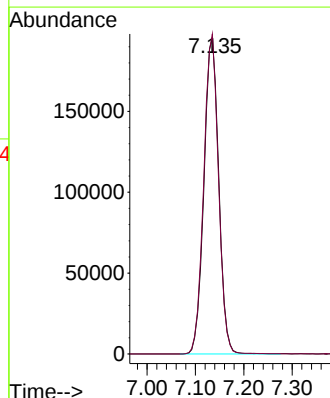
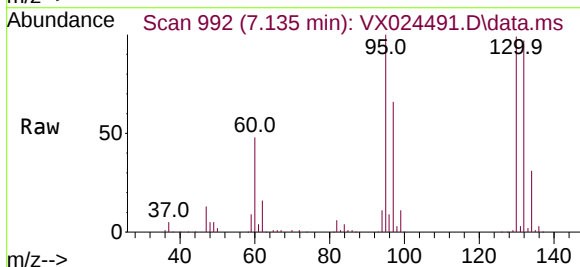
Lab File: VX024491.D

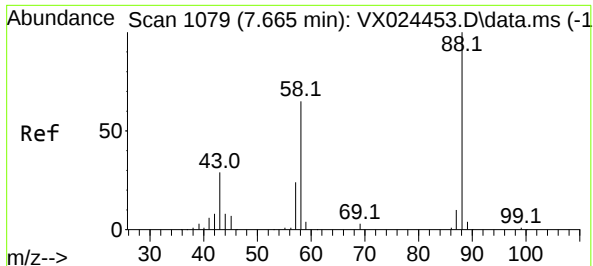
Acq: 24 Sep 2021 08:33

Tgt Ion: 130 Resp: 416090

Ion Ratio Lower Upper

130	100		
95	101.2	0.0	198.0





#49

1,4-Dioxane

Concen: 28.284 ug/l

RT: 7.671 min Scan# 1080

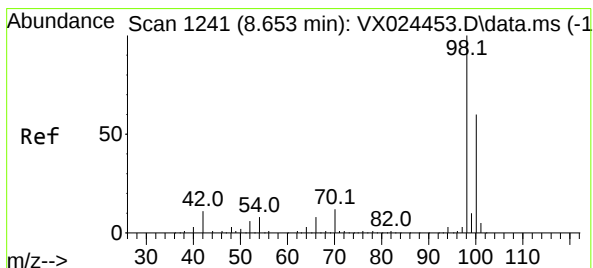
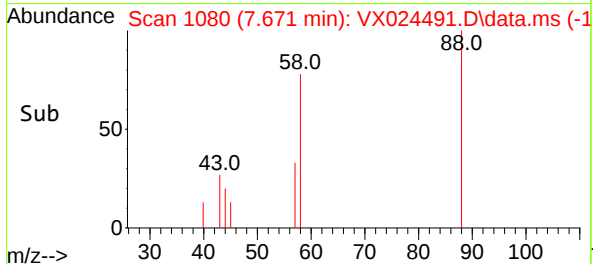
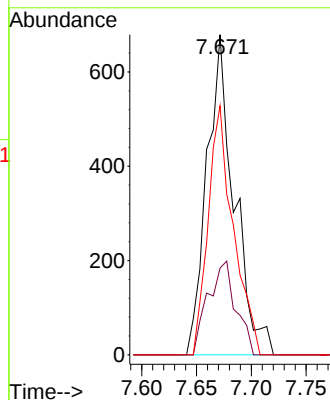
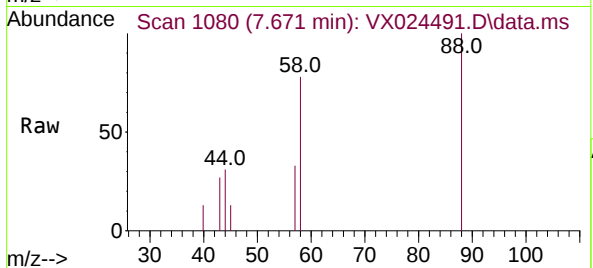
Delta R.T. 0.006 min

Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

Tgt Ion: 88 Resp: 1178

Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.2	34.8
58	71.3	55.0	82.4



#50

Toluene-d8

Concen: 55.294 ug/l

RT: 8.653 min Scan# 1241

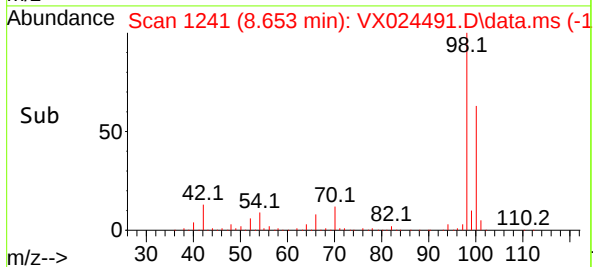
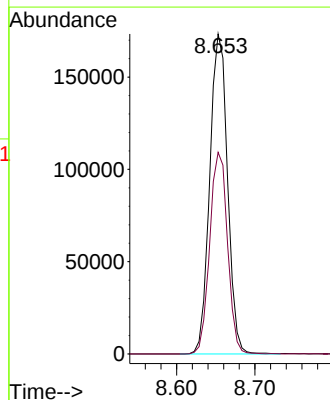
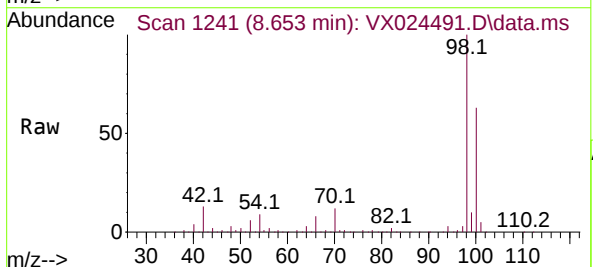
Delta R.T. -0.000 min

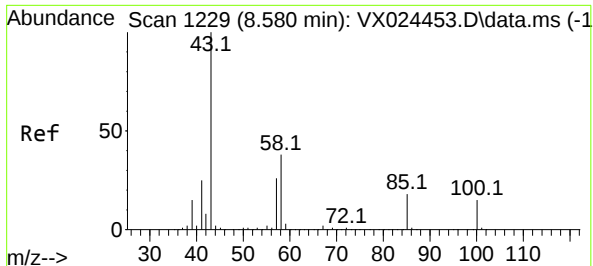
Lab File: VX024491.D

Acq: 24 Sep 2021 08:33

Tgt Ion: 98 Resp: 272847

Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.9	77.9

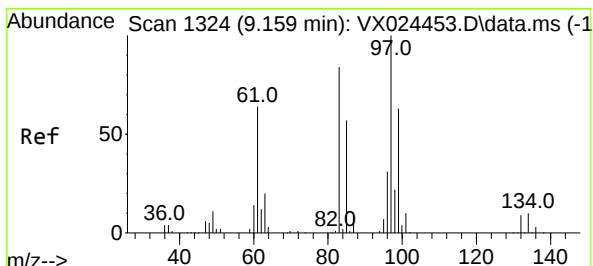
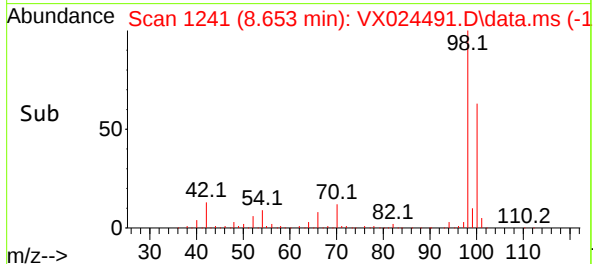
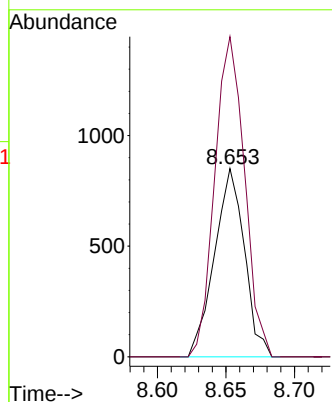
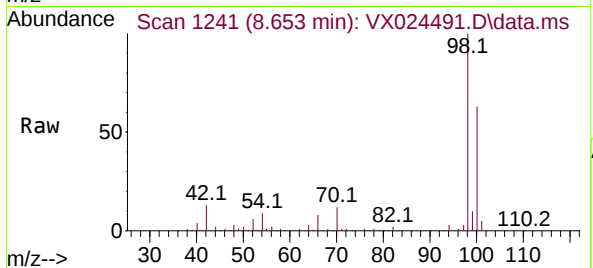




#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

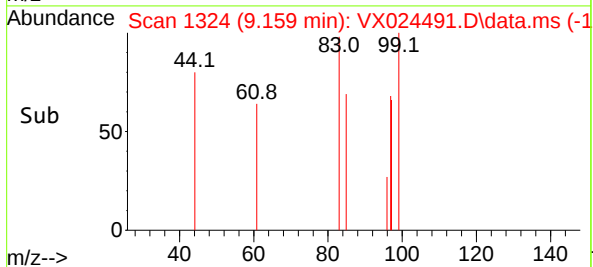
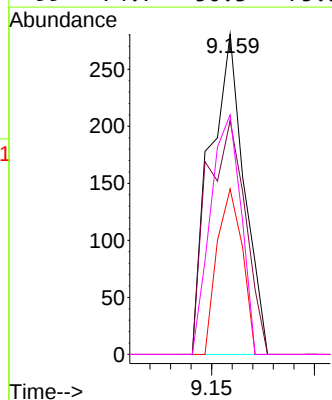
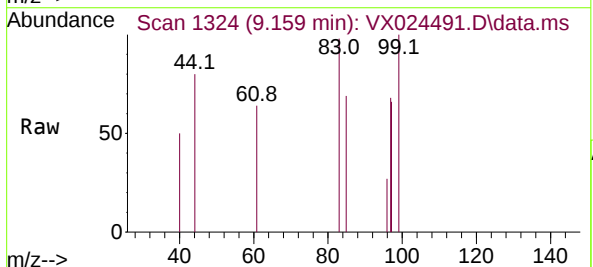
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

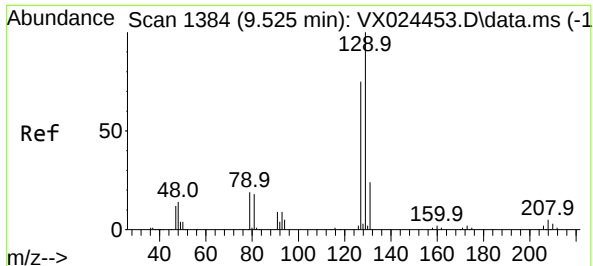
Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
58 168.8 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.219 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 97 Resp: 324
Ion Ratio Lower Upper
97 100
83 73.0 69.3 103.9
85 51.6 44.3 66.5
99 74.7 50.3 75.5

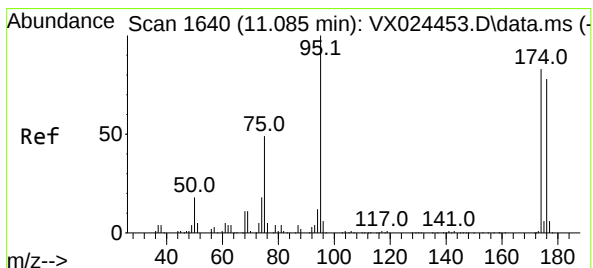
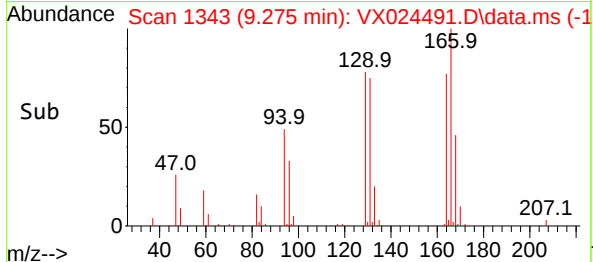
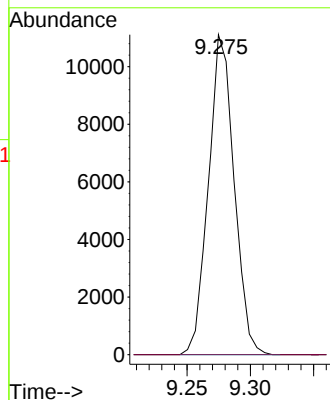
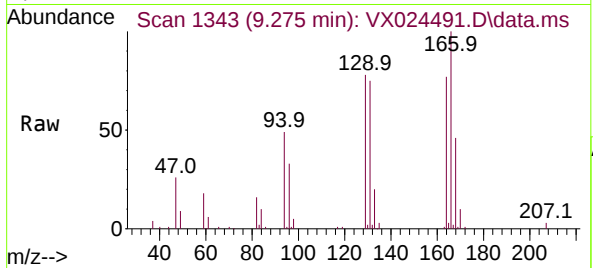




#60
Dibromochloromethane
Concen: 10.316 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

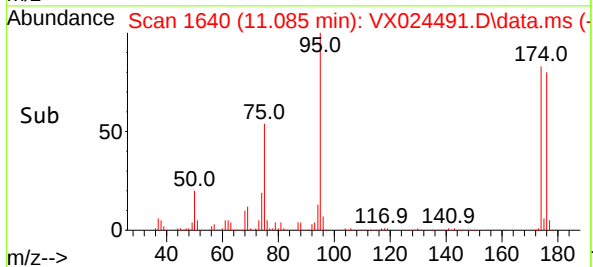
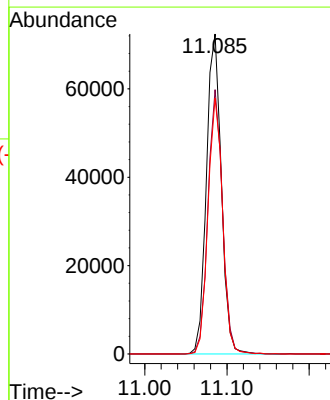
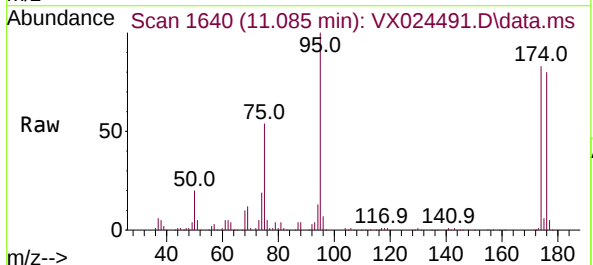
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

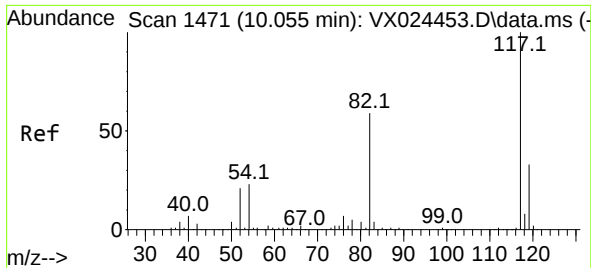
Tgt Ion:129 Resp: 15678
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion: 95 Resp: 91131
Ion Ratio Lower Upper
95 100
174 80.5 0.0 154.6
176 78.3 0.0 155.8

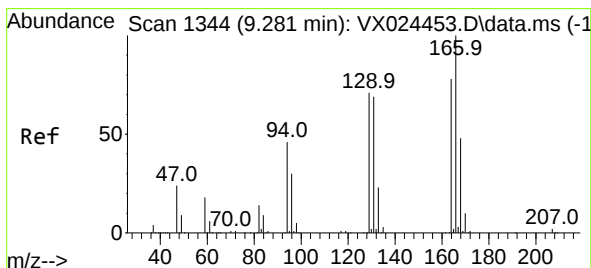
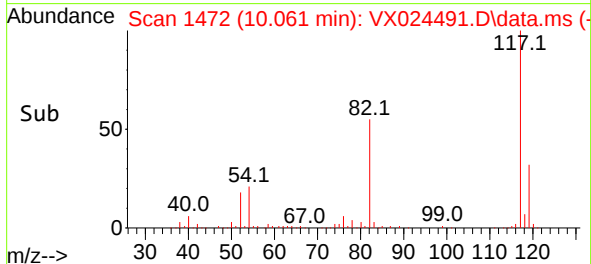
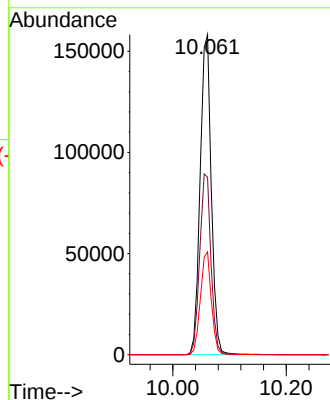
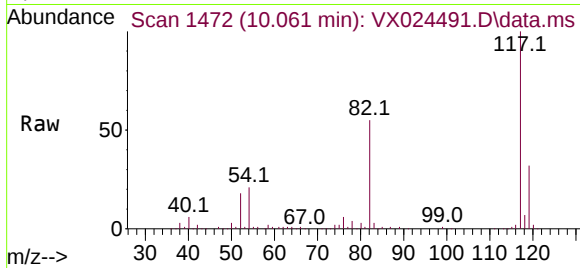




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

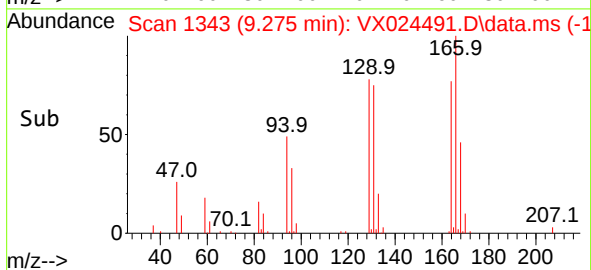
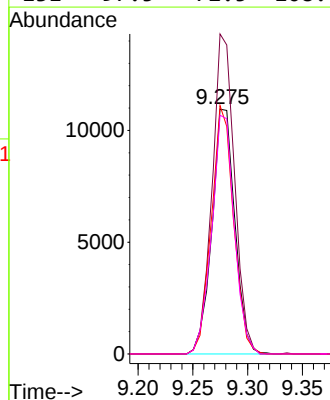
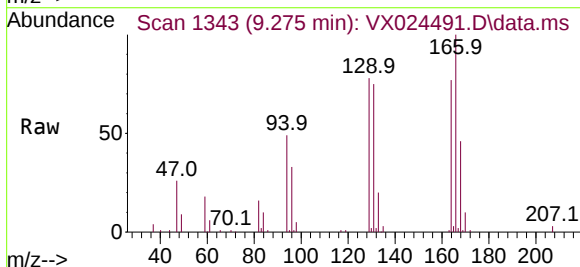
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

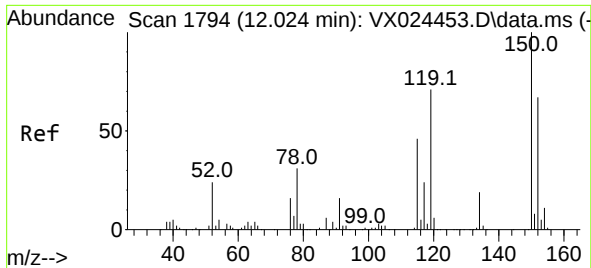
Tgt Ion:	117	Resp:	215552
Ion Ratio	Lower	Upper	
117	100		
82	55.5	47.4	71.2
119	32.1	26.6	39.8



#64
Tetrachloroethene
Concen: 10.629 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

Tgt Ion:	164	Resp:	15857
Ion Ratio	Lower	Upper	
164	100		
166	130.7	103.4	155.2
129	101.5	70.8	106.2
131	97.5	72.5	108.7

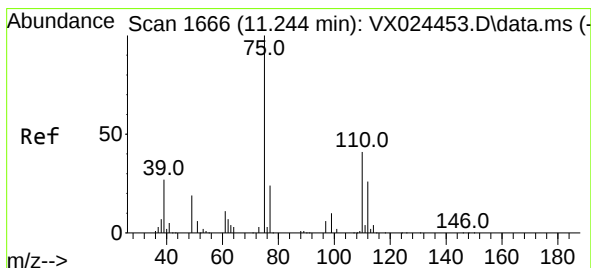
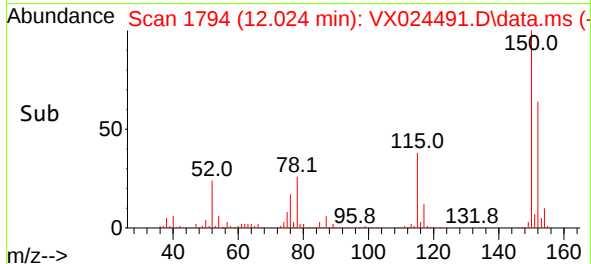
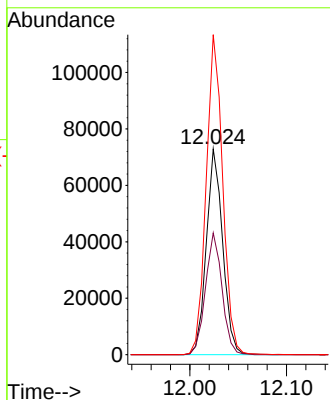
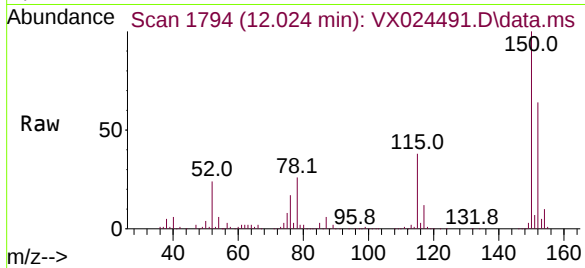




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

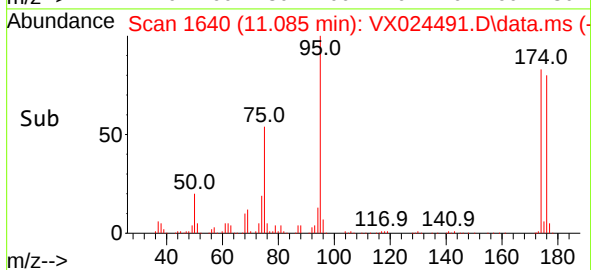
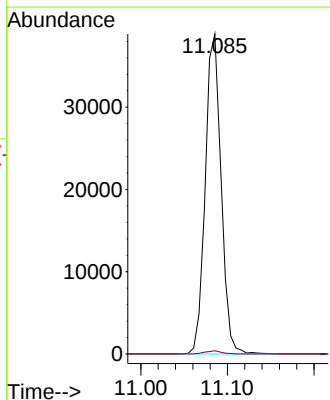
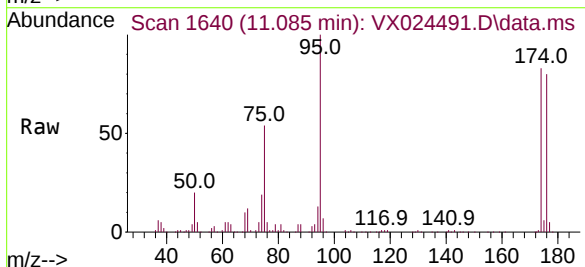
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20210917

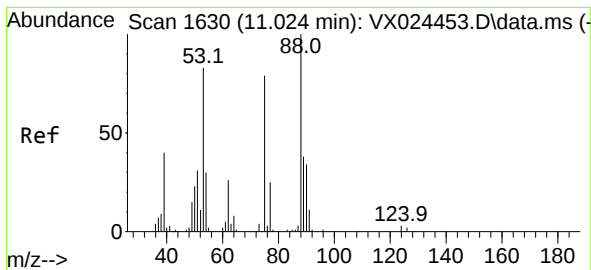
Tgt Ion:152 Resp: 85788
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 157.2 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.377 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024491.D
Acq: 24 Sep 2021 08:33

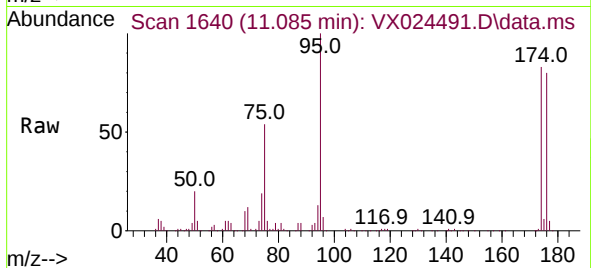
Tgt Ion: 75 Resp: 49439
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.172 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024491.D
 Acq: 24 Sep 2021 08:33

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20210917



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

