

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092321\
 Data File : VX024461.D
 Acq On : 23 Sep 2021 20:01
 Operator : JC/MD
 Sample : M3833-10DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20210920DL

Quant Time: Sep 24 07:38:36 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)

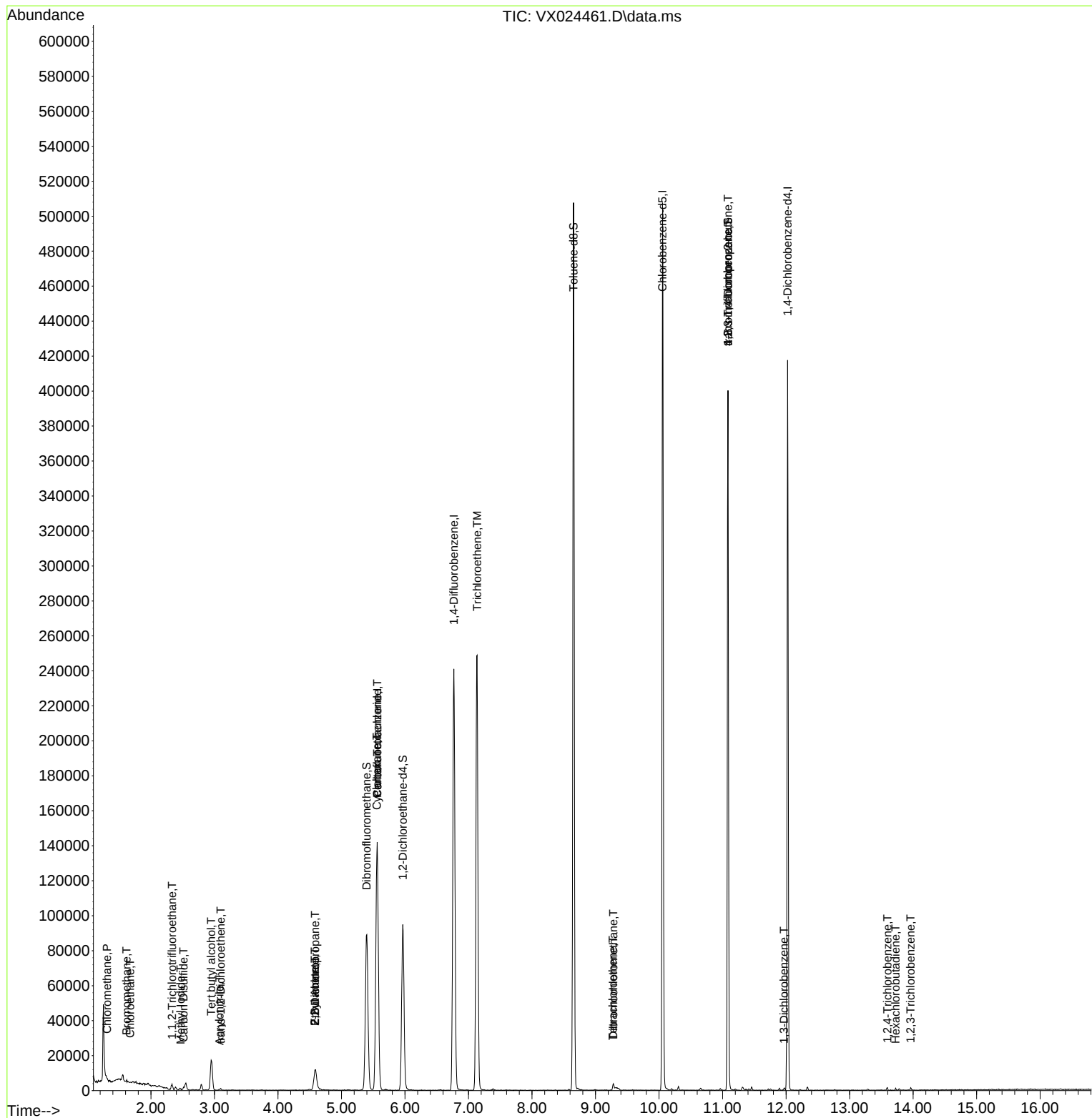
Internal Standards						
1) Pentafluorobenzene	5.562	168	130569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	248701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96369	52.368	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.740%
35) Dibromofluoromethane	5.397	113	77610	46.974	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.940%
50) Toluene-d8	8.653	98	297870	48.984	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.960%
62) 4-Bromofluorobenzene	11.085	95	105098	43.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.920%
Target Compounds						
3) Chloromethane	1.307	50	386	0.312	ug/l	Qvalue 98
5) Bromomethane	1.618	94	363	0.416	ug/l #	53
6) Chloroethane	1.673	64	260	0.558	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	1138	0.883	ug/l	96
10) Methyl Iodide	2.465	142	850	0.471	ug/l #	89
11) Tert butyl alcohol	2.947	59	10902	13.788	ug/l #	76
15) Acrylonitrile	3.081	53	253	0.303	ug/l #	82
16) Acetone	2.386	43	1457	Below Cal		99
17) Carbon Disulfide	2.514	76	1952	0.857	ug/l	98
20) Methylene Chloride	2.794	84	1392	Below Cal	#	87
21) trans-1,2-Dichloroethene	3.099	96	294	0.216	ug/l #	79
25) 2-Butanone	4.581	43	839	0.662	ug/l #	77
26) 2,2-Dichloropropane	4.587	77	913	0.409	ug/l #	52
31) Cyclohexane	5.556	56	3138	1.424	ug/l #	5
37) Ethyl Acetate	4.581	43	839	0.282	ug/l #	12
38) Carbon Tetrachloride	5.562	117	13608	5.243	ug/l #	15
44) Trichloroethene	7.135	130	97757	52.116	ug/l	99
60) Dibromochloromethane	9.281	129	456	1.403	ug/l #	11
64) Tetrachloroethene	9.275	164	511	0.321	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	53140	27.122	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53140	73.795	ug/l #	12
87) 1,3-Dichlorobenzene	11.969	146	616	0.206	ug/l	84
93) 1,2,4-Trichlorobenzene	13.597	180	496	0.264	ug/l #	82
94) Hexachlorobutadiene	13.725	225	273	0.317	ug/l	86
96) 1,2,3-Trichlorobenzene	13.963	180	453	0.235	ug/l	91

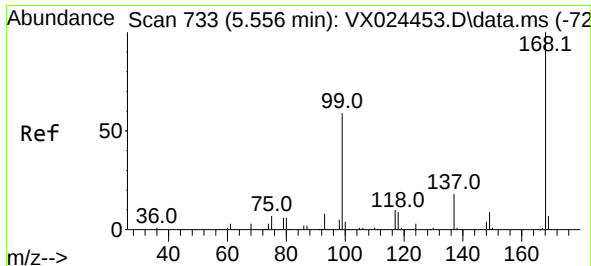
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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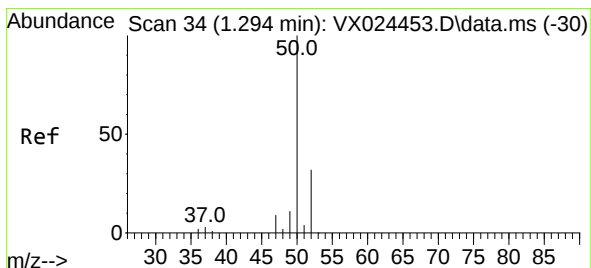
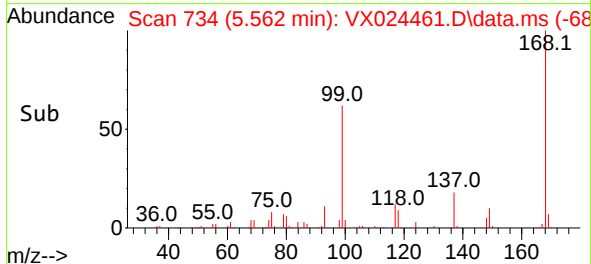
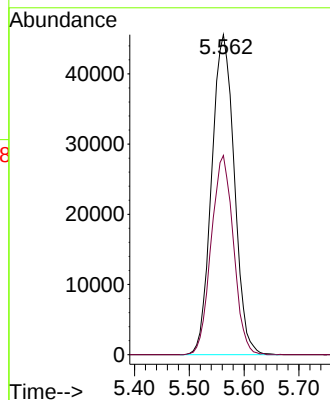
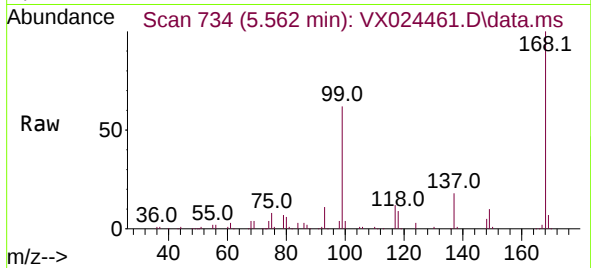




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

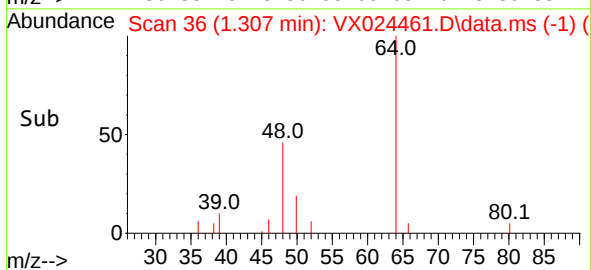
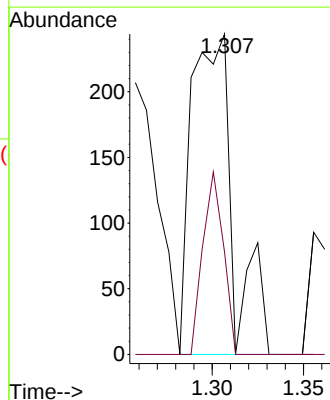
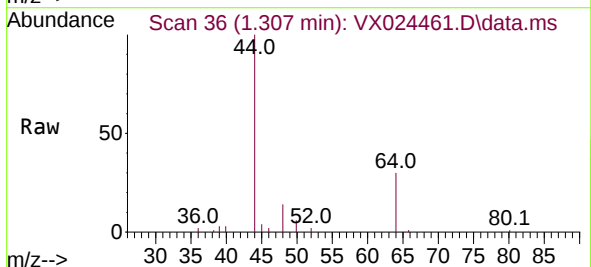
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

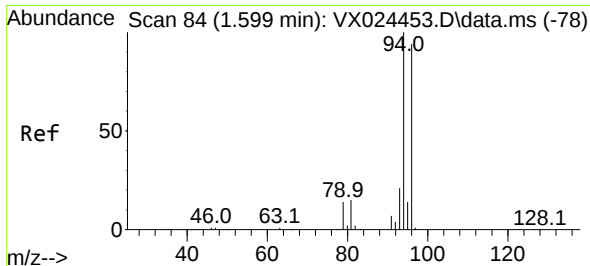
Tgt Ion:168 Resp: 130569
Ion Ratio Lower Upper
168 100
99 62.3 45.8 68.6



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.013 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 32.0 26.4 39.6

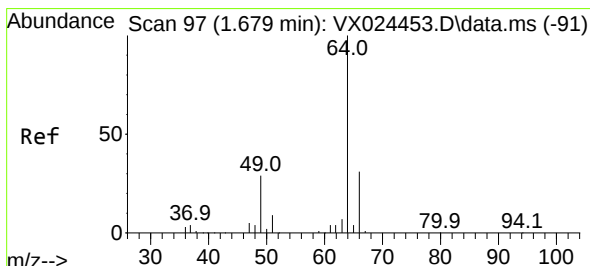
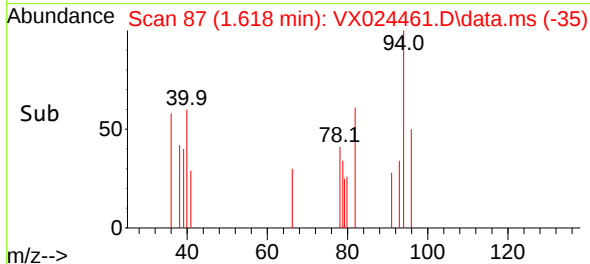
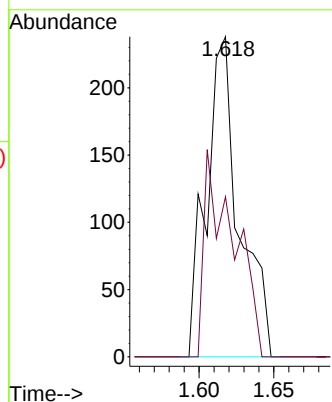
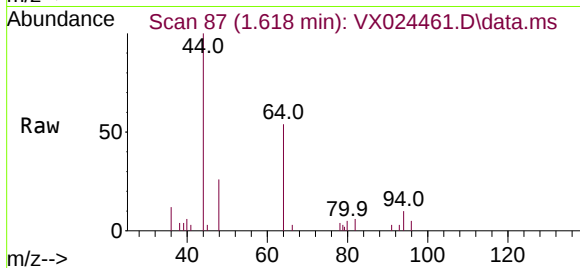




#5
Bromomethane
Concen: 0.416 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

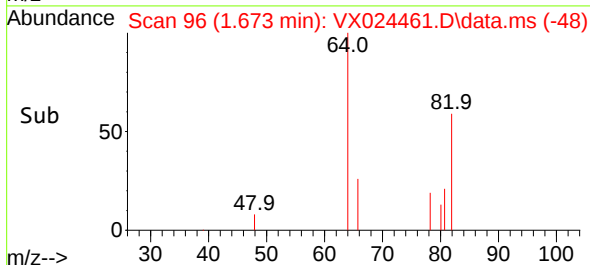
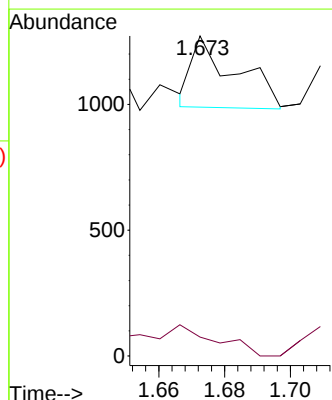
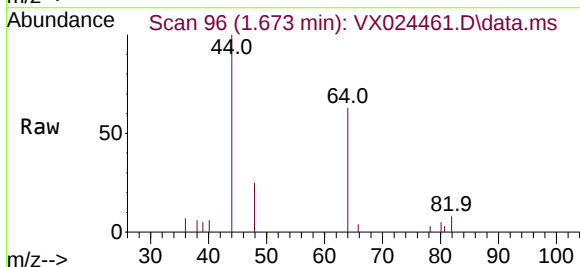
Instrument :
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ClientSampleId :
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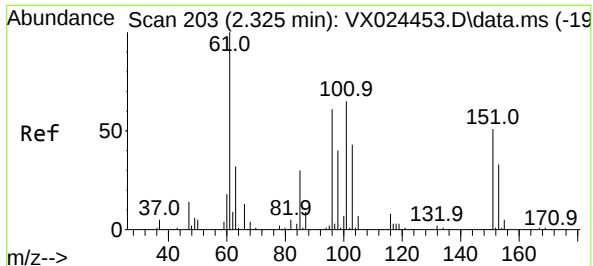
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 50.0 76.4 114.6#



#6
Chloroethane
Concen: 0.558 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 64 Resp: 260
Ion Ratio Lower Upper
64 100
66 26.7 25.4 38.0

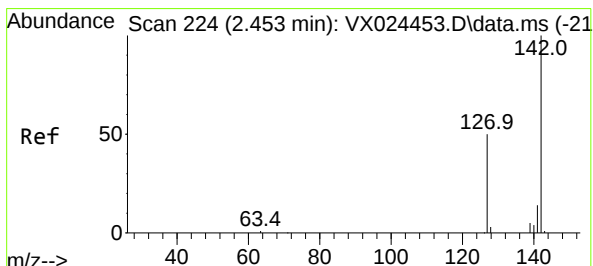
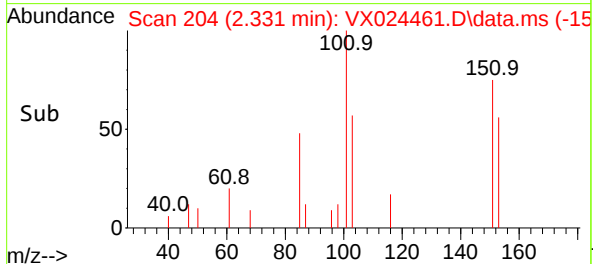
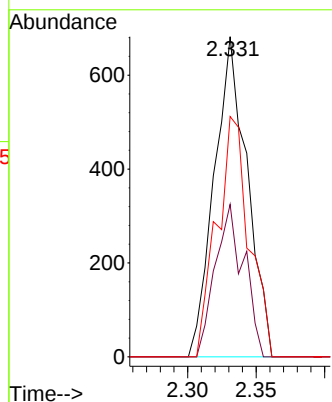
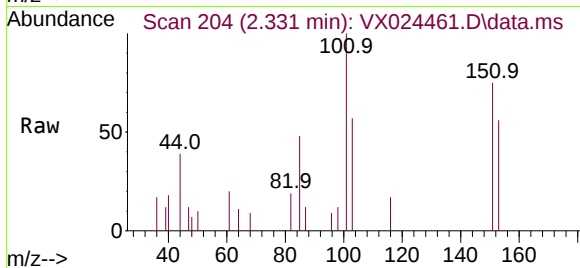




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.883 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

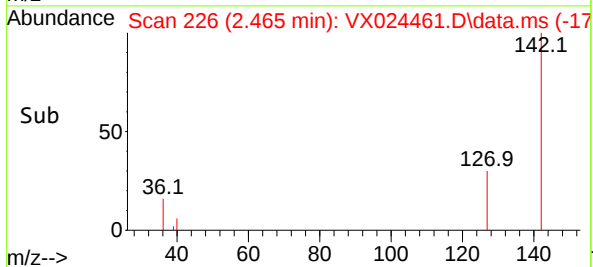
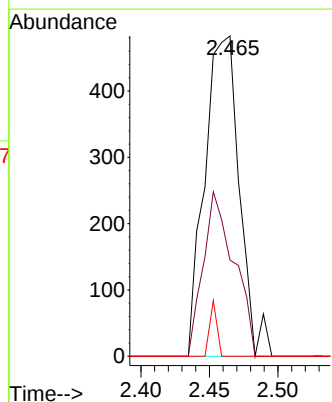
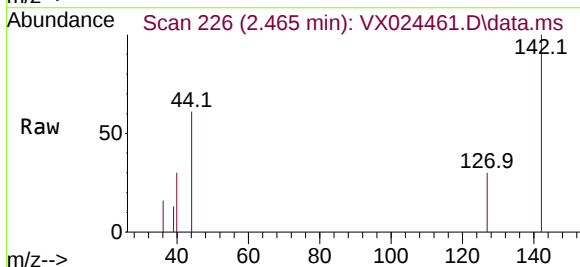
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

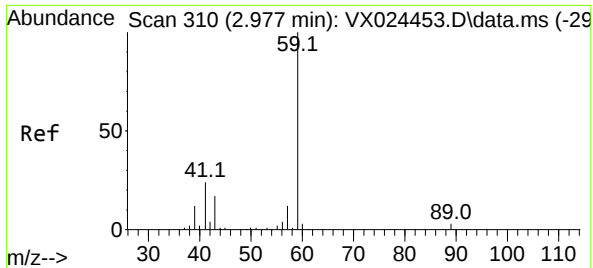
Tgt Ion:101 Resp: 1138
Ion Ratio Lower Upper
101 100
85 41.7 34.9 52.3
151 73.4 61.4 92.2



#10
Methyl Iodide
Concen: 0.471 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion:142 Resp: 850
Ion Ratio Lower Upper
142 100
127 45.6 33.3 49.9
141 3.6 11.4 17.0#

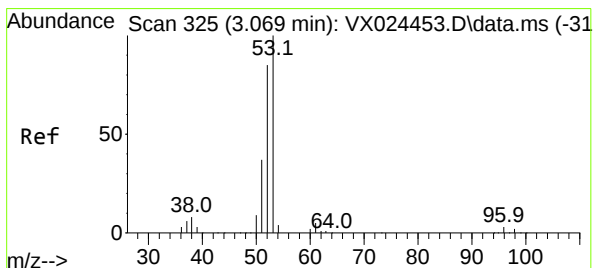
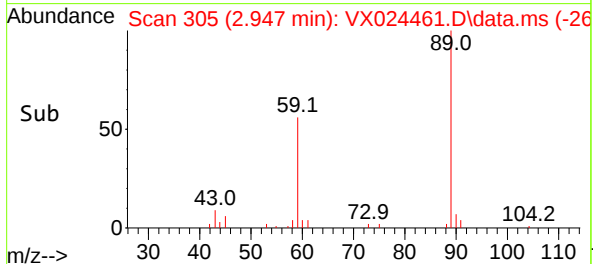
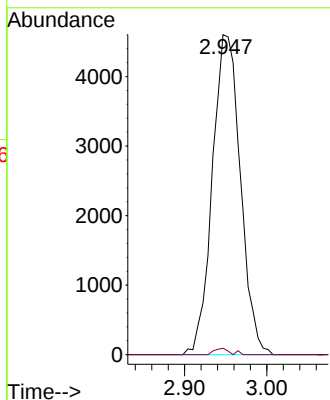
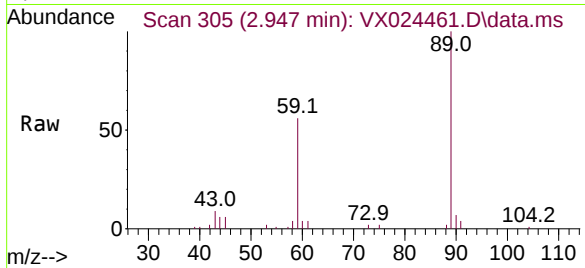




#11
Tert butyl alcohol
Concen: 13.788 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

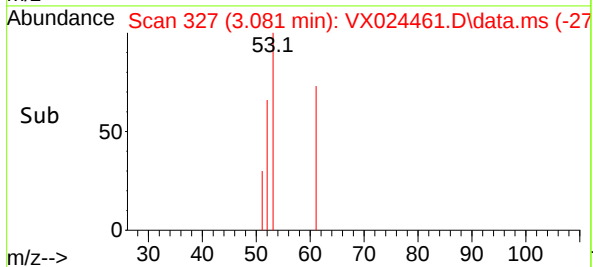
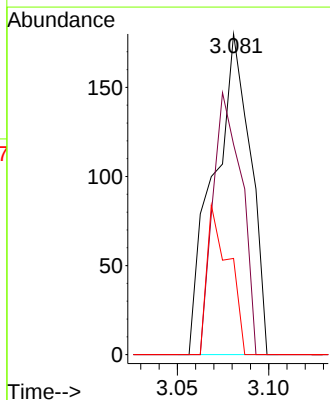
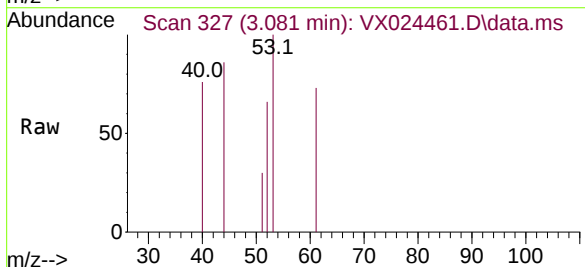
Instrument :
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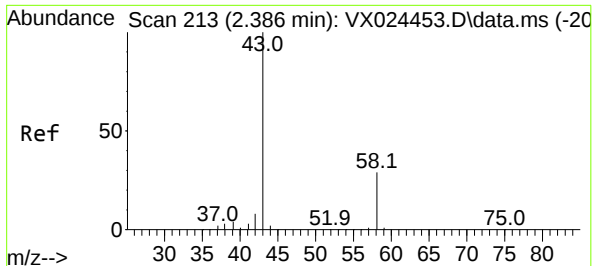
Tgt Ion: 59 Resp: 10902
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#



#15
Acrylonitrile
Concen: 0.303 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 53 Resp: 253
Ion Ratio Lower Upper
53 100
52 63.2 65.3 97.9#
51 27.7 28.2 42.2#

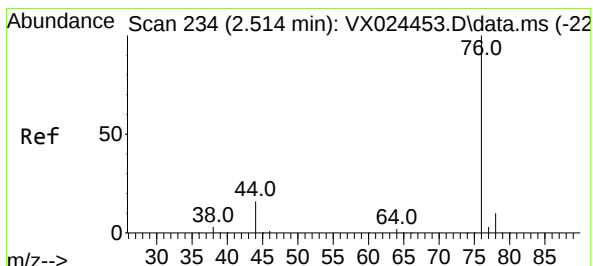
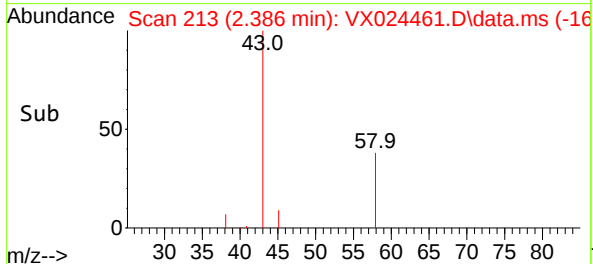
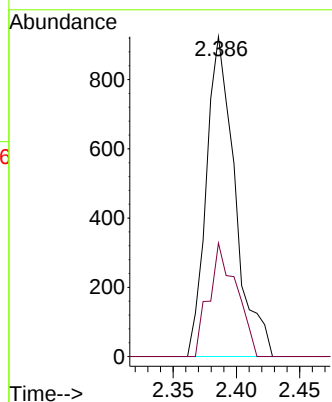
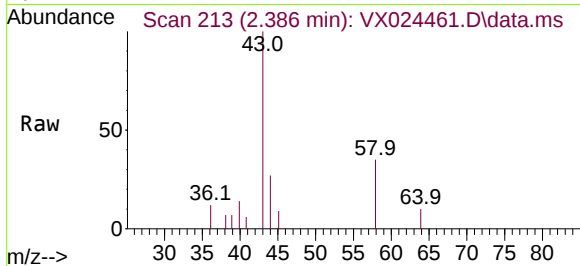




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

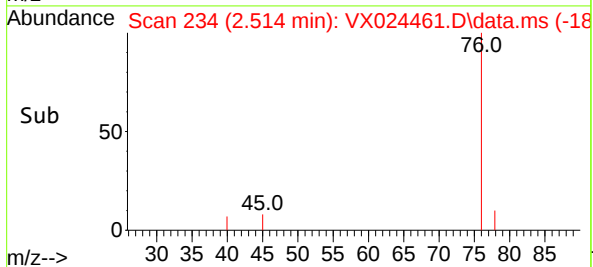
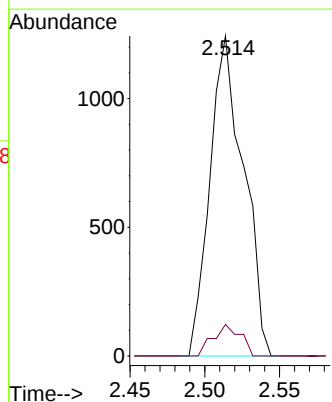
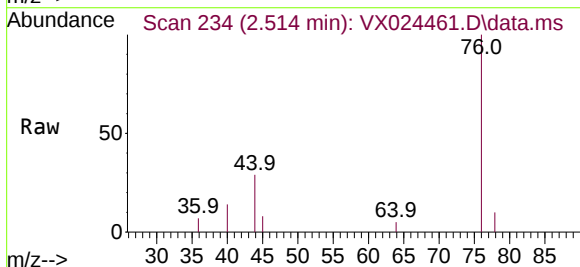
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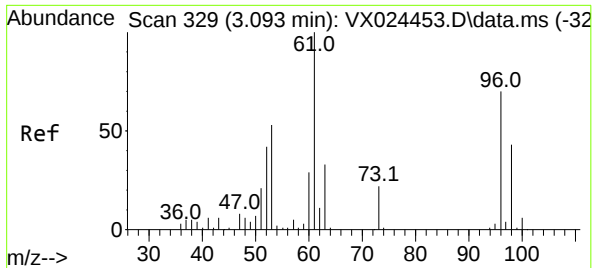
Tgt Ion: 43 Resp: 1457
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8



#17
Carbon Disulfide
Concen: 0.857 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 76 Resp: 1952
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

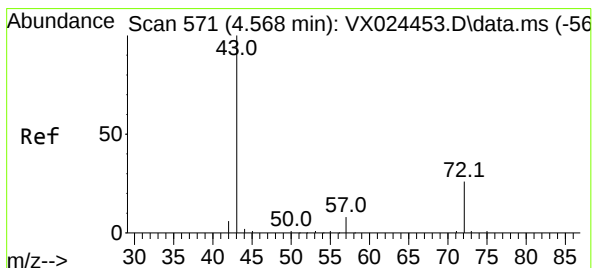
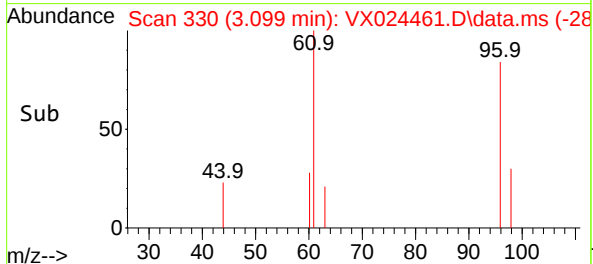
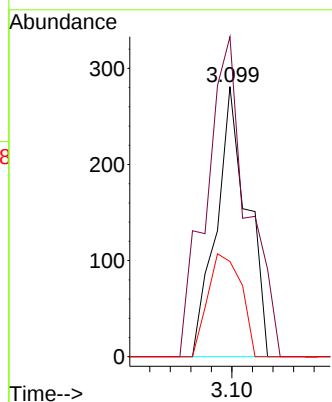
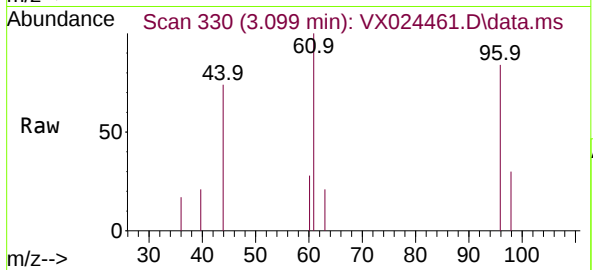




#21
trans-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

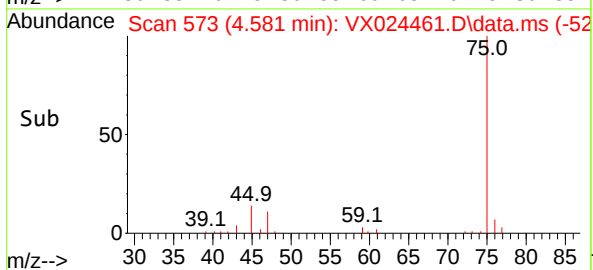
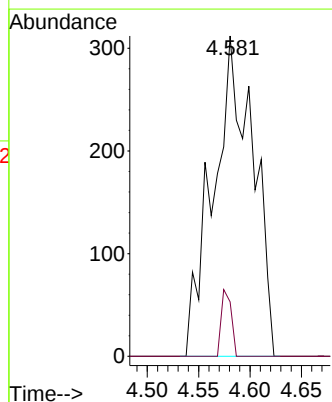
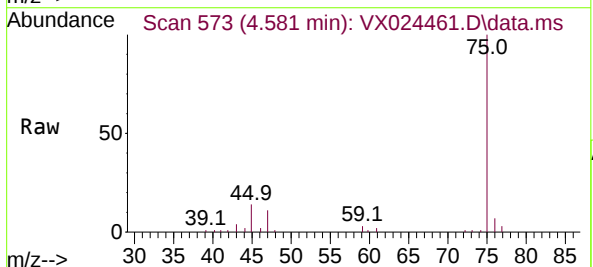
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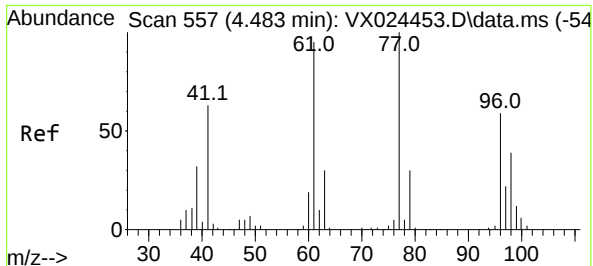
Tgt Ion: 96 Resp: 294
Ion Ratio Lower Upper
96 100
61 118.5 107.7 161.5
98 35.2 50.4 75.6#



#25
2-Butanone
Concen: 0.662 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
72 17.0 23.7 35.5#

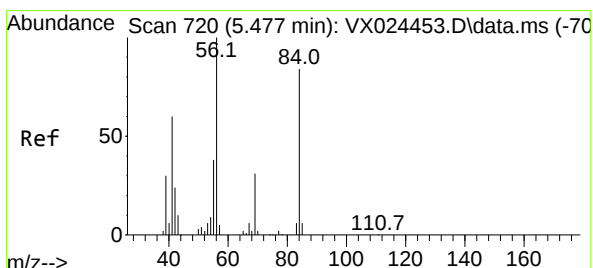
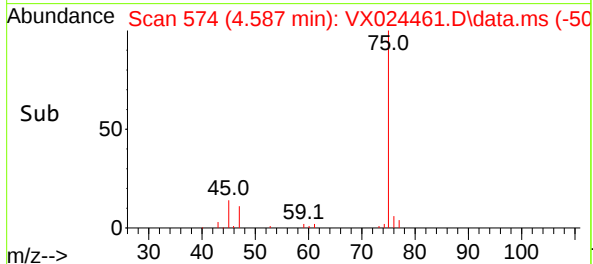
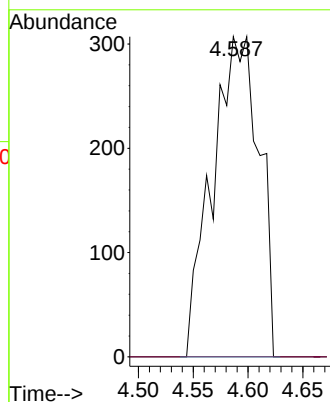
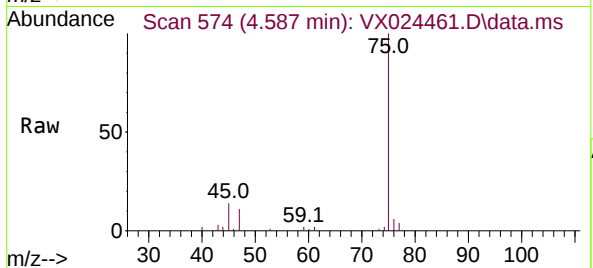




#26
2,2-Dichloropropane
Concen: 0.409 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.104 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

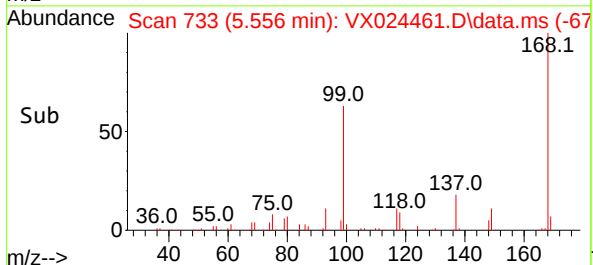
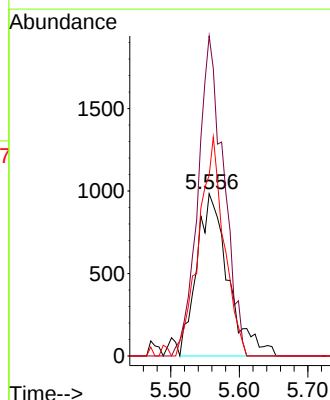
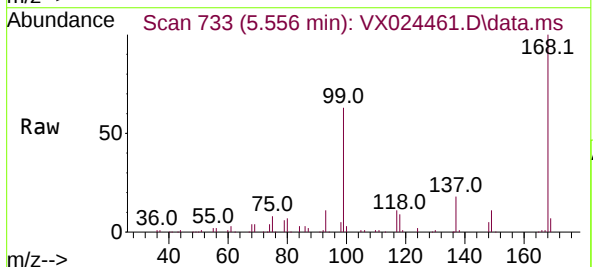
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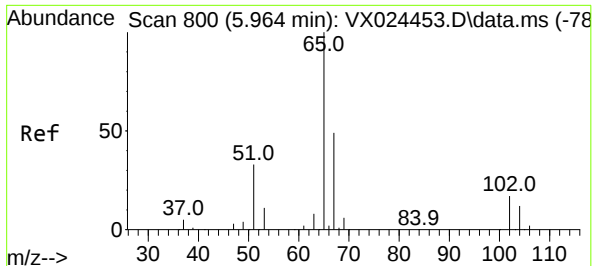
Tgt Ion: 77 Resp: 913
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 56 Resp: 3138
Ion Ratio Lower Upper
56 100
69 197.2 25.3 37.9#
84 111.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.368 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024461.D

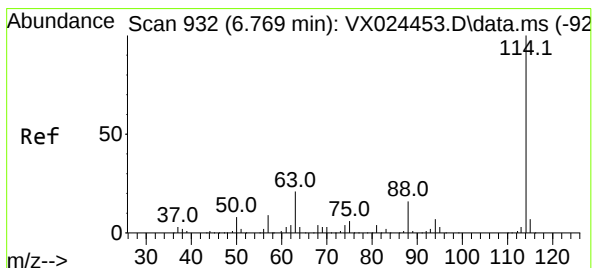
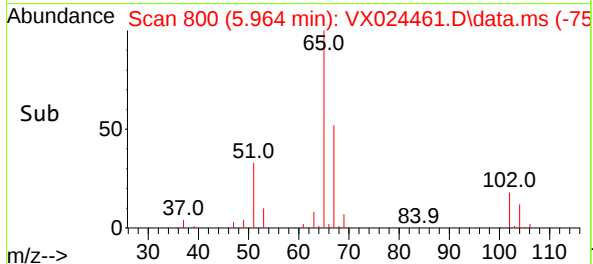
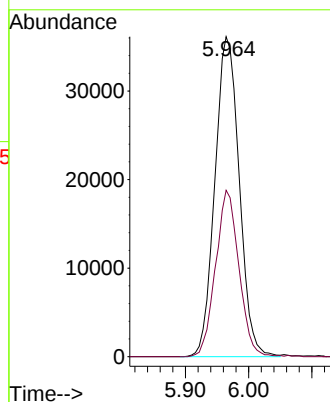
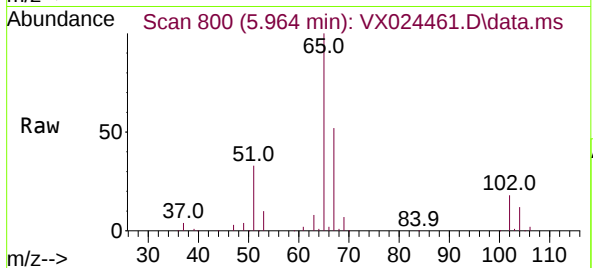
Acq: 23 Sep 2021 20:01

Tgt Ion: 65 Resp: 96369

Ion Ratio Lower Upper

65 100

67 49.9 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

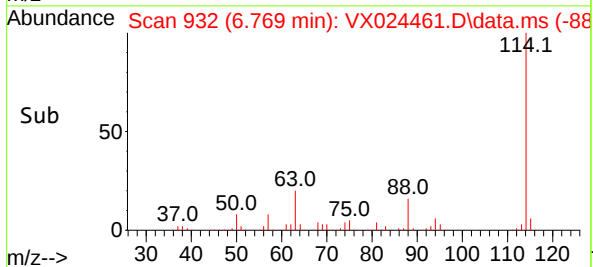
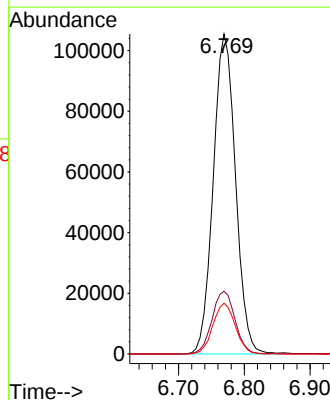
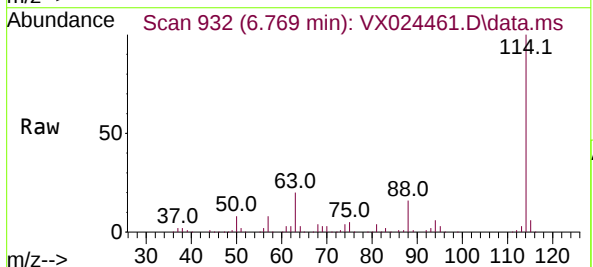
Tgt Ion: 114 Resp: 248701

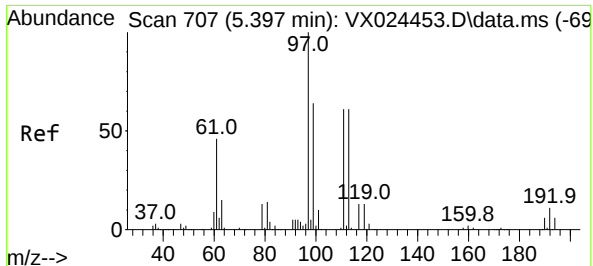
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.974 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

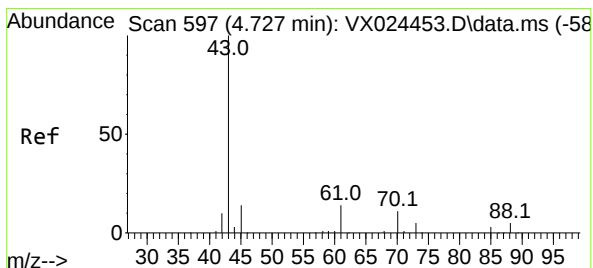
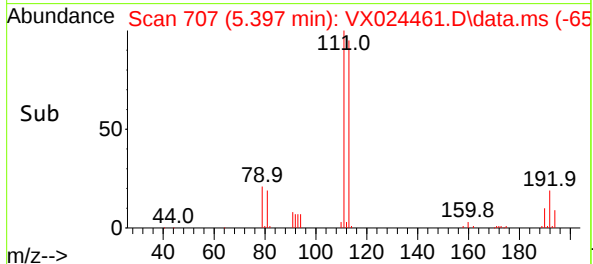
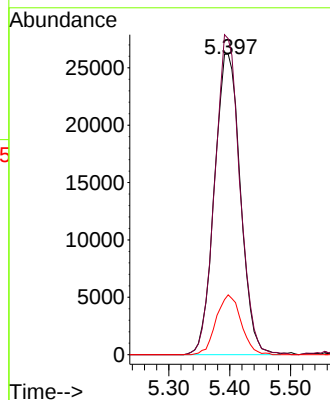
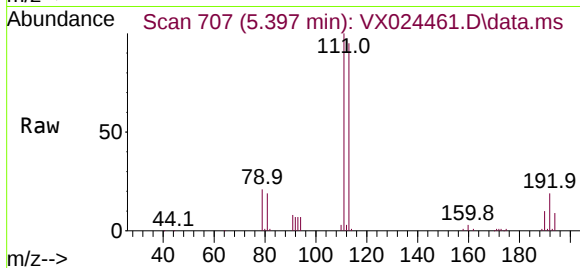
Tgt Ion:	113	Resp:	77610
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	19.1	16.7	25.1

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20210920DL



#37

Ethyl Acetate

Concen: 0.282 ug/l

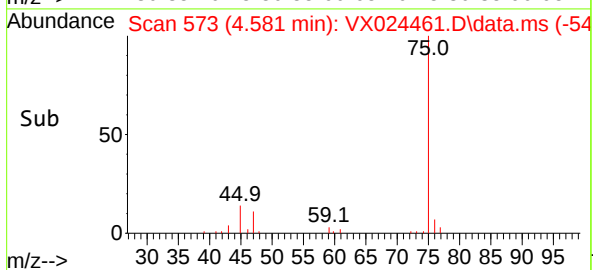
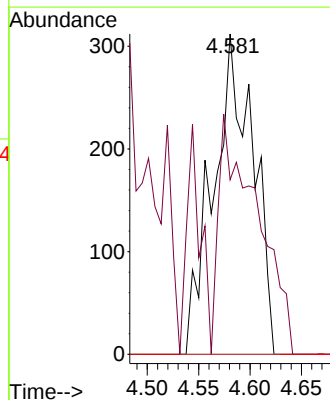
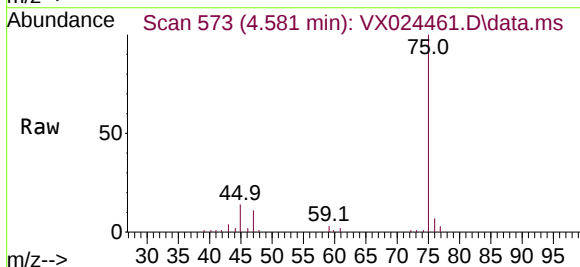
RT: 4.581 min Scan# 573

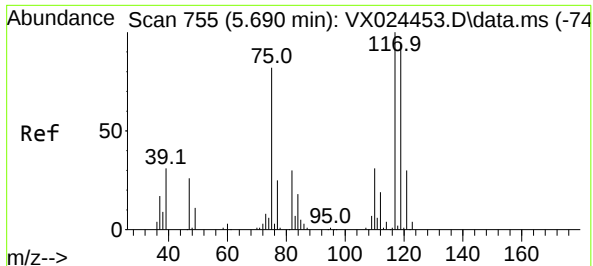
Delta R.T. -0.146 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

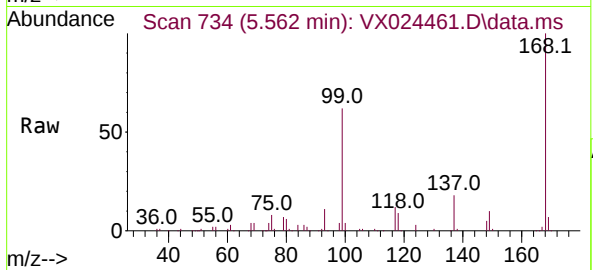
Tgt Ion:	43	Resp:	839
Ion	Ratio	Lower	Upper
43	100		
61	72.5	12.8	19.2#
70	0.0	10.5	15.7#



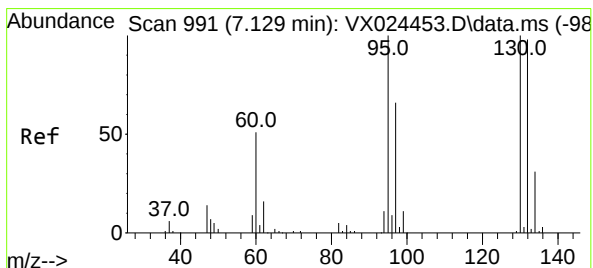
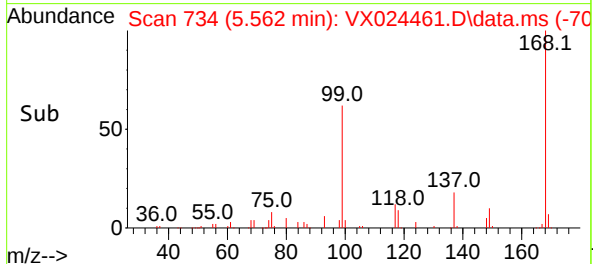
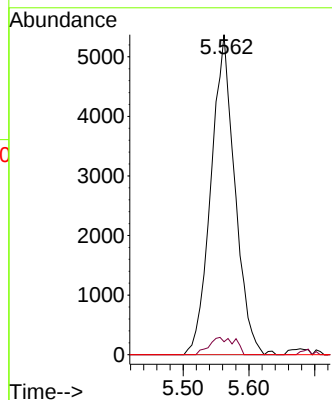


#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

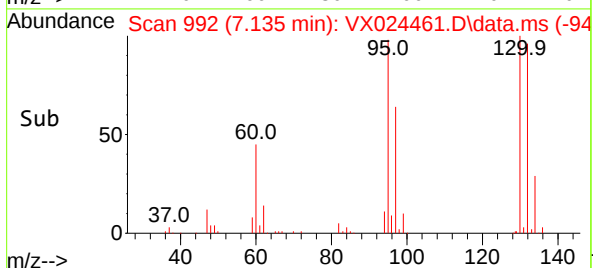
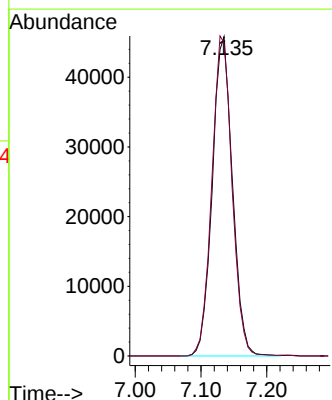
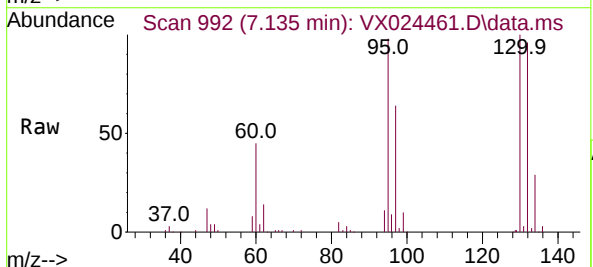


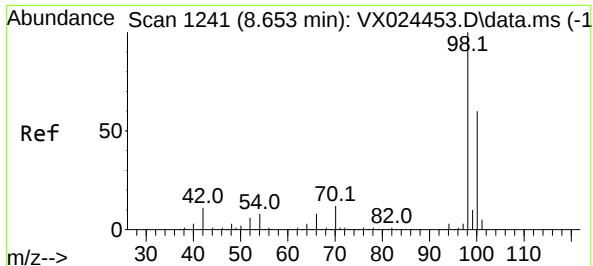
Tgt Ion:117 Resp: 13608
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 52.116 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion:130 Resp: 97757
Ion Ratio Lower Upper
130 100
95 98.1 0.0 198.0





#50

Toluene-d8

Concen: 48.984 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

Instrument :

MSVOA_X

ClientSampleId :

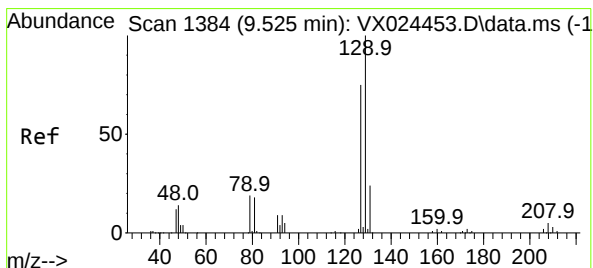
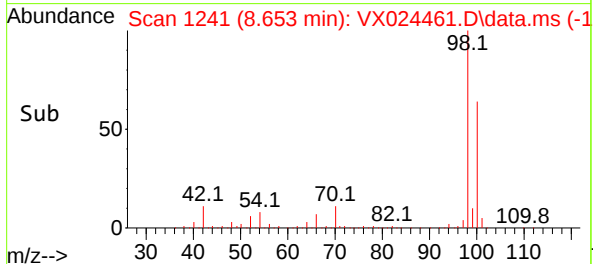
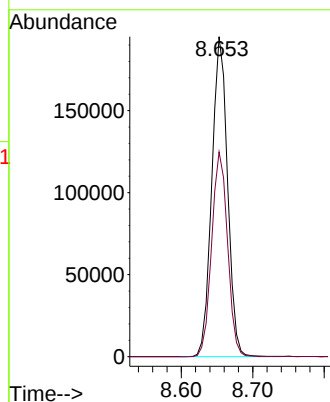
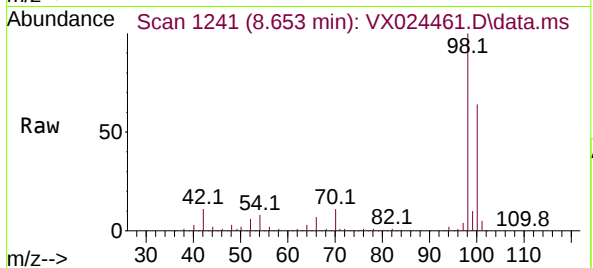
RE103D3-20210920DL

Tgt Ion: 98 Resp: 297870

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#60

Dibromochloromethane

Concen: 1.403 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX024461.D

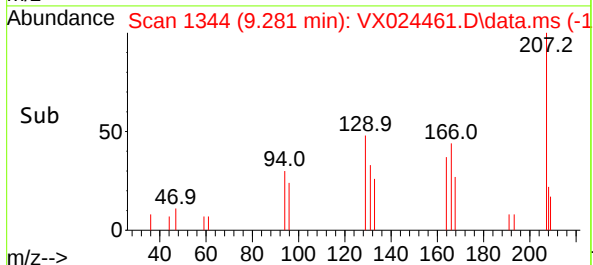
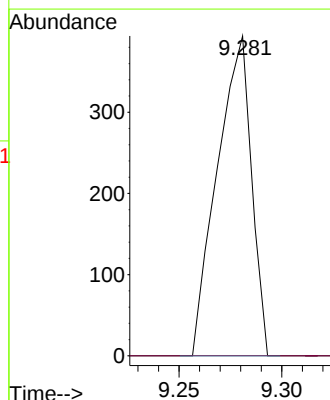
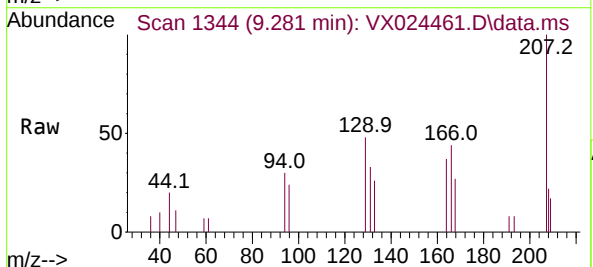
Acq: 23 Sep 2021 20:01

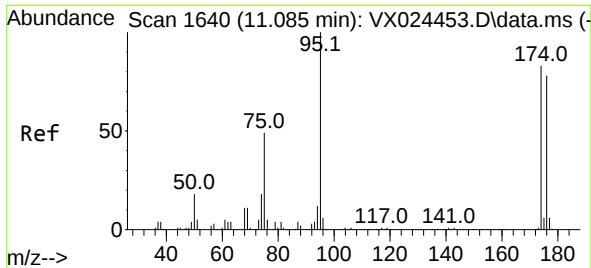
Tgt Ion:129 Resp: 456

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

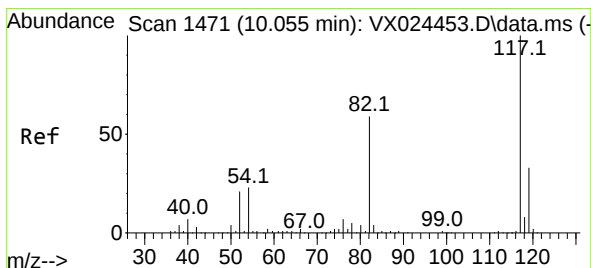
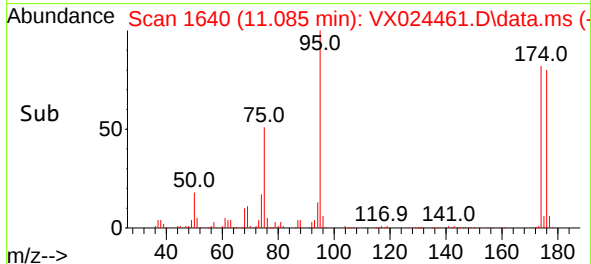
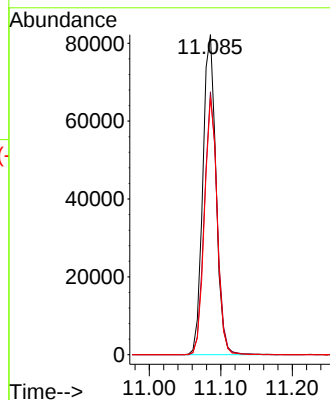
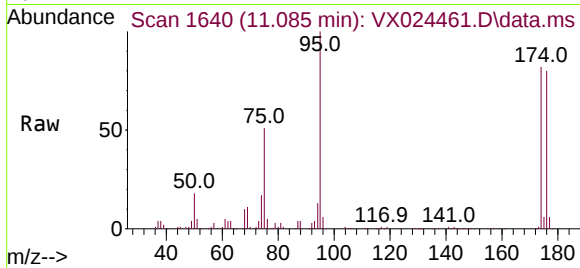




#62
4-Bromofluorobenzene
Concen: 43.957 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

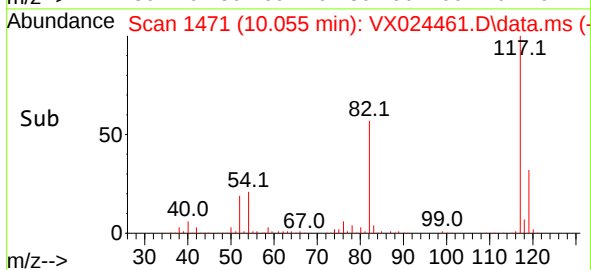
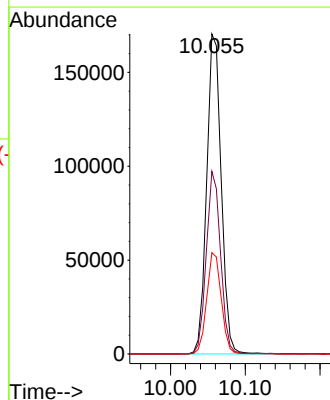
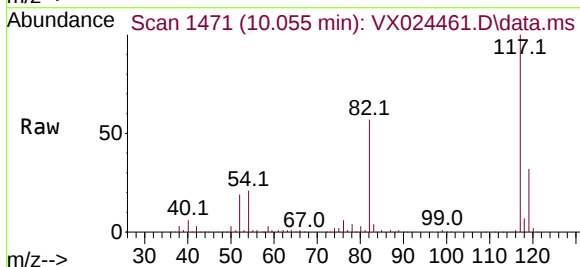
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

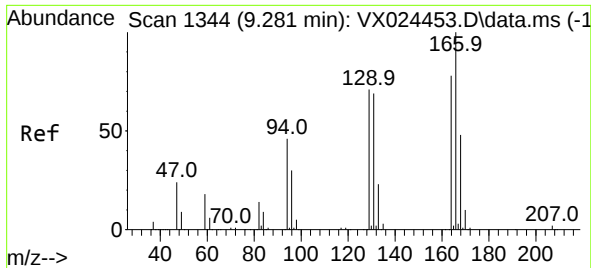
Tgt Ion: 95 Resp: 105098
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 77.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 117 Resp: 230206
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 31.6 26.6 39.8



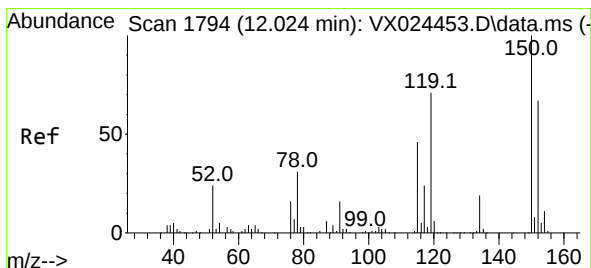
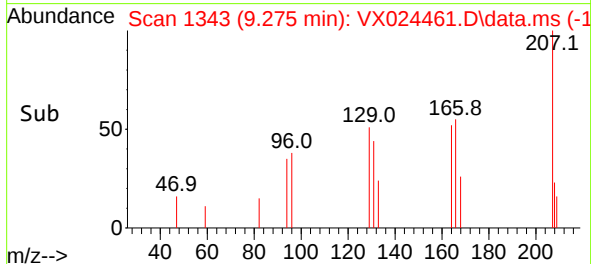
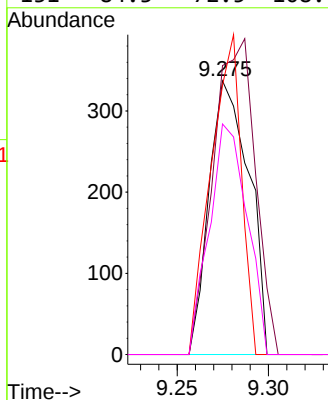
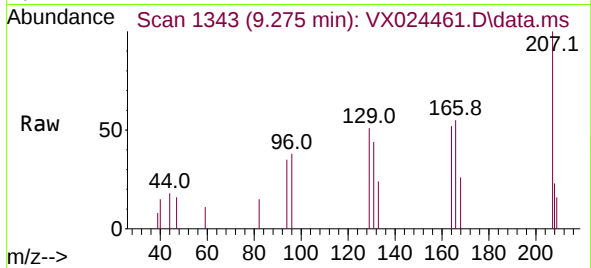


#64
Tetrachloroethene
Concen: 0.321 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

Tgt Ion:164 Resp: 511

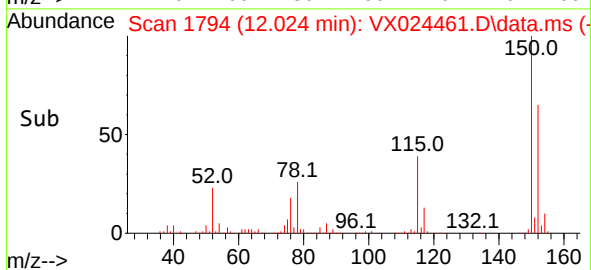
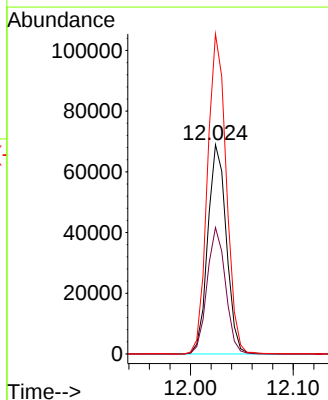
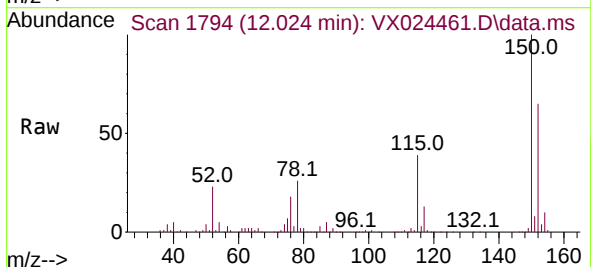
Ion	Ratio	Lower	Upper
164	100		
166	105.6	103.4	155.2
129	98.5	70.8	106.2
131	84.3	72.5	108.7

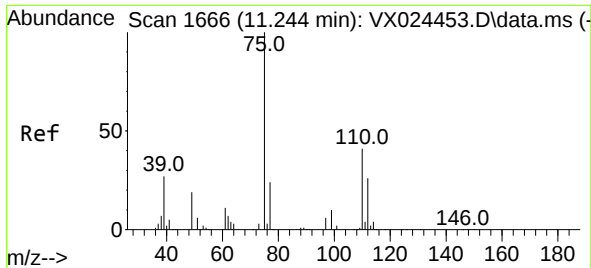


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion:152 Resp: 86278

Ion	Ratio	Lower	Upper
152	100		
115	59.8	41.1	123.3
150	155.2	0.0	349.0

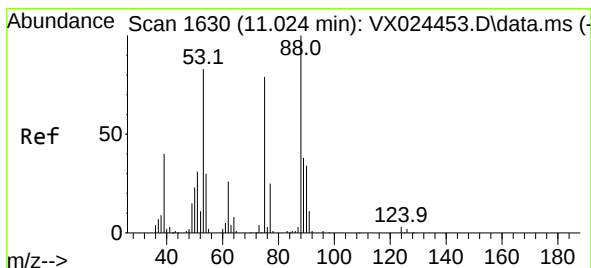
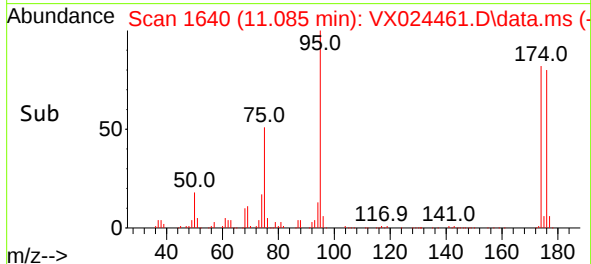
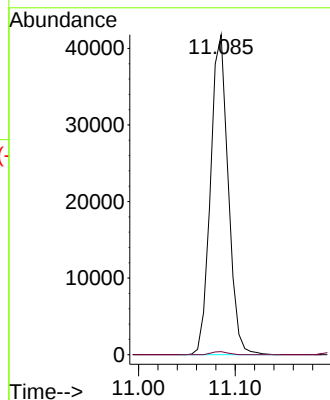
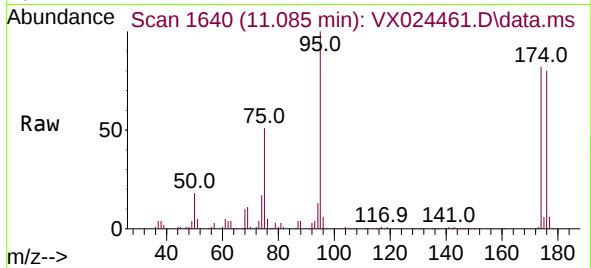




#76
1,2,3-Trichloropropane
Concen: 27.122 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

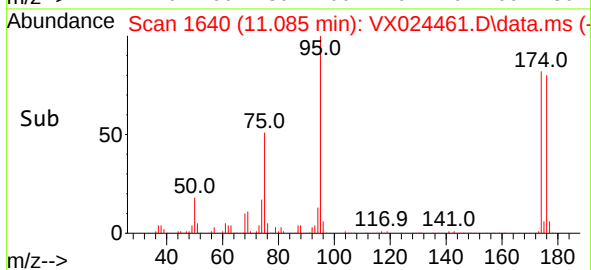
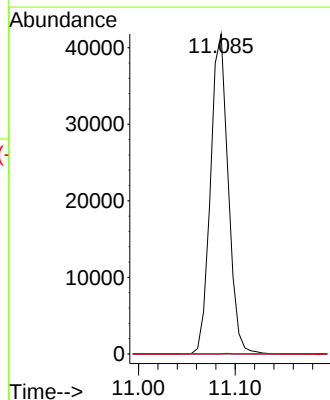
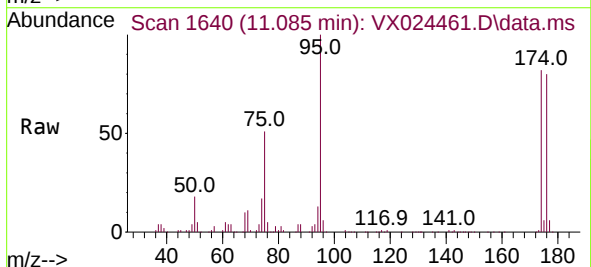
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

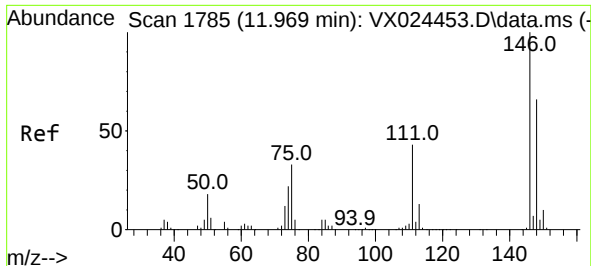
Tgt Ion: 75 Resp: 53140
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.795 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion: 75 Resp: 53140
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#87

1,3-Dichlorobenzene

Concen: 0.206 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

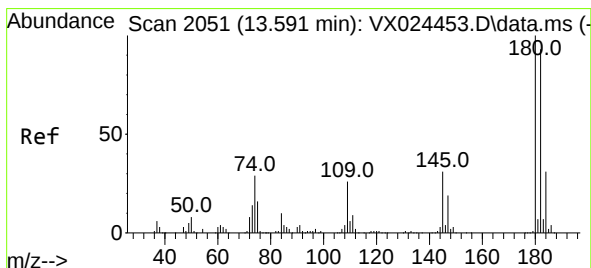
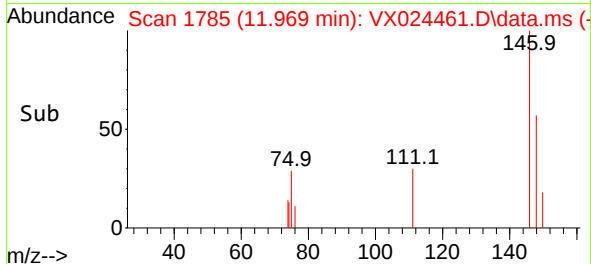
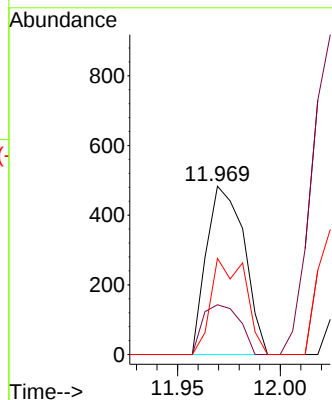
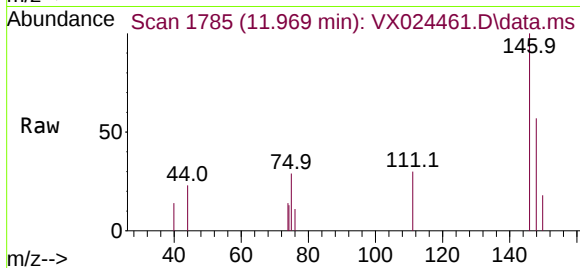
Tgt Ion:146 Resp: 616

Ion Ratio Lower Upper

146 100

111 28.9 20.2 60.5

148 52.4 31.9 95.7



#93

1,2,4-Trichlorobenzene

Concen: 0.264 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.006 min

Lab File: VX024461.D

Acq: 23 Sep 2021 20:01

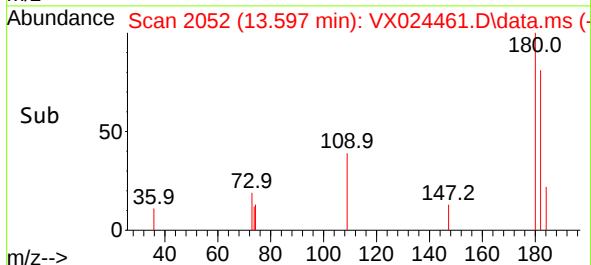
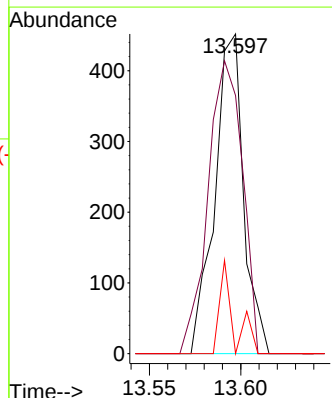
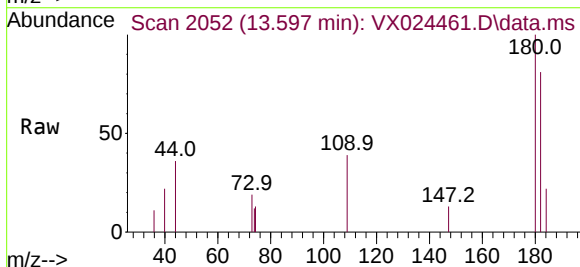
Tgt Ion:180 Resp: 496

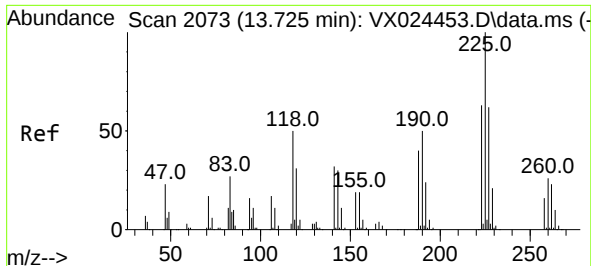
Ion Ratio Lower Upper

180 100

182 109.7 47.7 143.1

145 14.1 15.0 45.0#

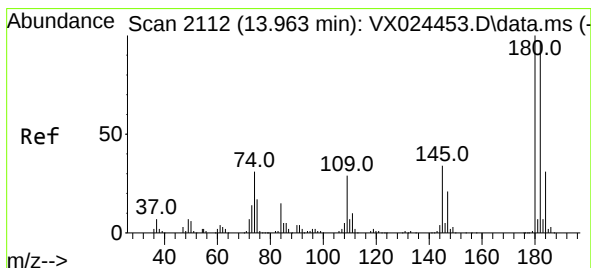
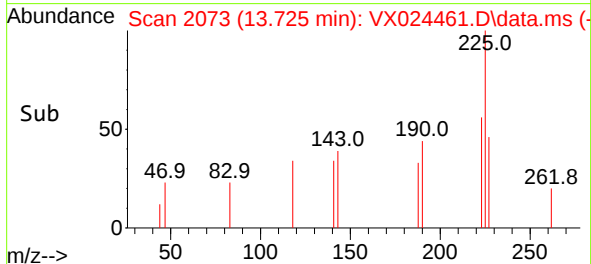
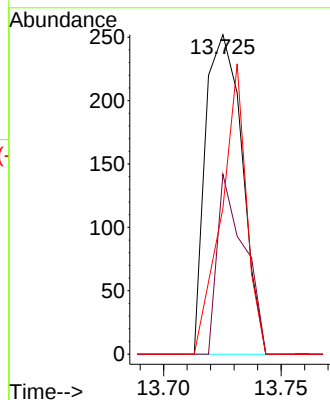
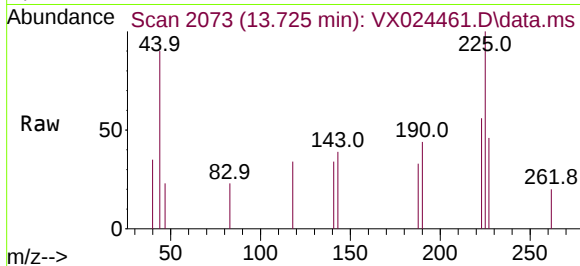




#94
Hexachlorobutadiene
Concen: 0.317 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20210920DL

Tgt Ion:	225	Resp:	273
Ion	Ratio	Lower	Upper
225	100		
223	41.8	31.1	93.2
227	62.3	31.6	95.0



#96
1,2,3-Trichlorobenzene
Concen: 0.235 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX024461.D
Acq: 23 Sep 2021 20:01

Tgt Ion:	180	Resp:	453
Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.6	142.9
145	20.8	16.1	48.3

