

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025799.D
 Acq On : 15 Dec 2021 00:44
 Operator : JC/MD
 Sample : M4988-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20211207

Quant Time: Dec 15 07:14:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

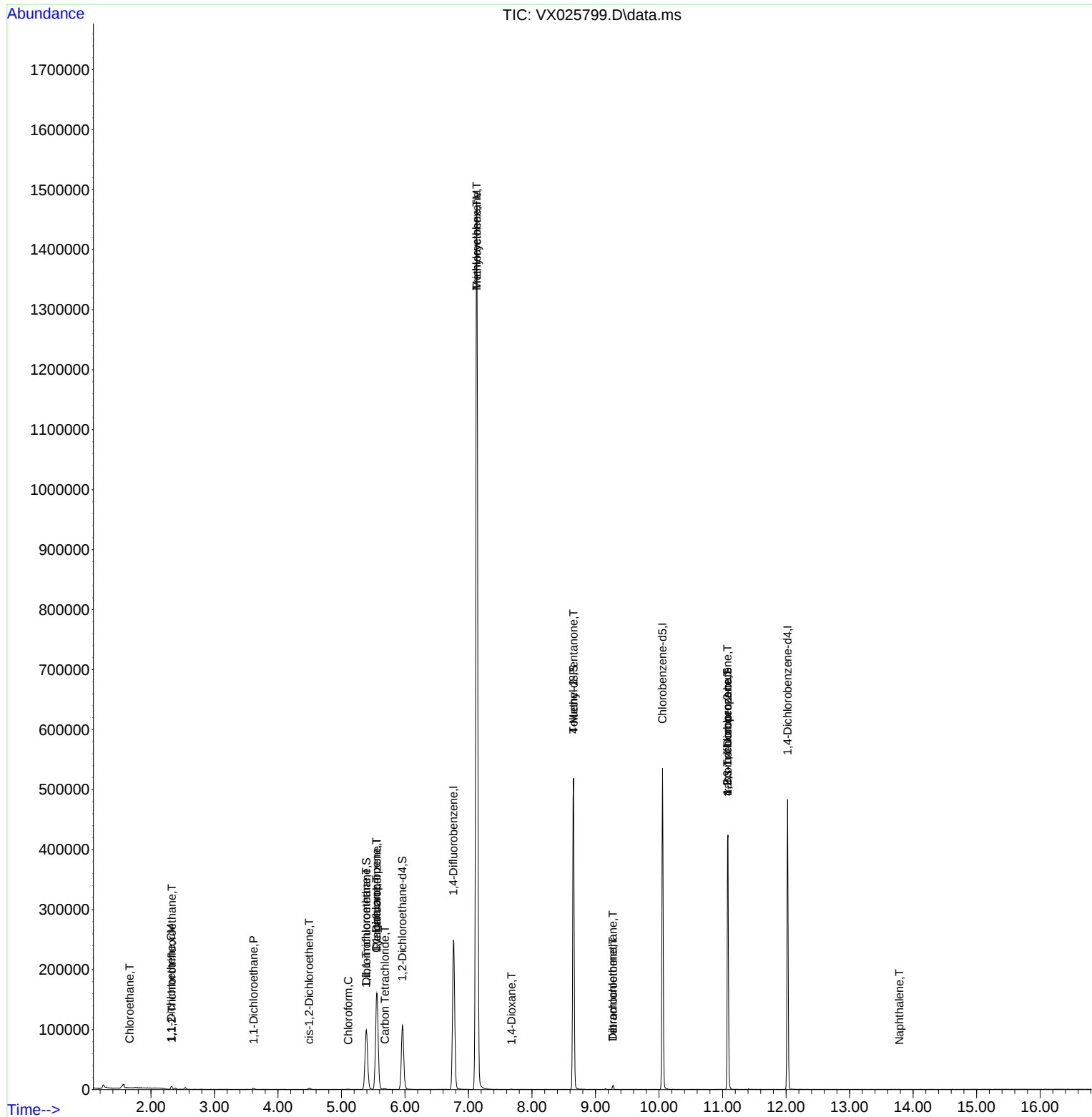
Internal Standards						
1) Pentafluorobenzene	5.556	168	152015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	261891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102291	46.767	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.540%
35) Dibromofluoromethane	5.391	113	84847	46.454	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.900%
50) Toluene-d8	8.653	98	307400	46.193	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.380%
62) 4-Bromofluorobenzene	11.079	95	115403	45.652	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.300%
Target Compounds						Qvalue
6) Chloroethane	1.666	64	308	0.226	ug/l #	57
9) 1,1,2-Trichlorotrifluo...	2.331	101	741	0.458	ug/l	93
12) 1,1-Dichloroethene	2.319	96	1359	0.844	ug/l	97
16) Acetone	2.380	43	2268	Below Cal	#	86
20) Methylene Chloride	2.788	84	93	Below Cal	#	50
24) 1,1-Dichloroethane	3.617	63	2116	0.650	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1295	0.608	ug/l	95
30) Chloroform	5.105	83	803	0.225	ug/l	85
31) Cyclohexane	5.550	56	3525	1.325	ug/l #	44
32) 1,1,1-Trichloroethane	5.385	97	649	0.209	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	12187	4.920	ug/l #	49
38) Carbon Tetrachloride	5.684	117	1131	0.392	ug/l #	80
39) Methylcyclohexane	7.129	83	7149	2.580	ug/l #	1
44) Trichloroethene	7.129	130	565056	274.701	ug/l	95
49) 1,4-Dioxane	7.677	88	349	7.657	ug/l #	84
51) 4-Methyl-2-Pentanone	8.653	43	1339	0.461	ug/l #	1
60) Dibromochloromethane	9.275	129	1234	0.539	ug/l #	11
64) Tetrachloroethene	9.275	164	1168	0.623	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	59430	27.030	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59430	83.802	ug/l #	10
95) Naphthalene	13.786	128	59	2.420	ug/l #	69

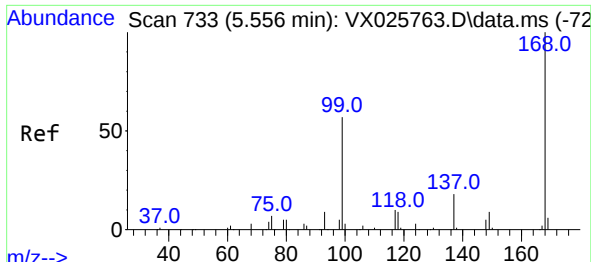
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE126D2-20211207

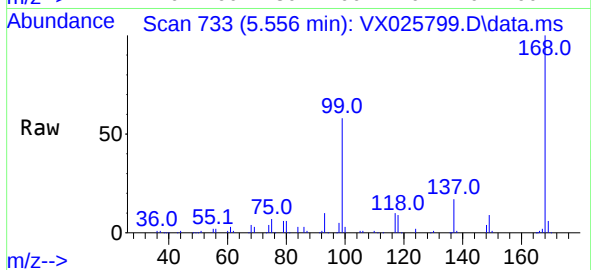
Quant Time: Dec 15 07:14:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



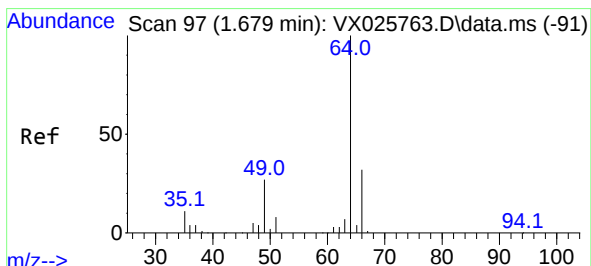
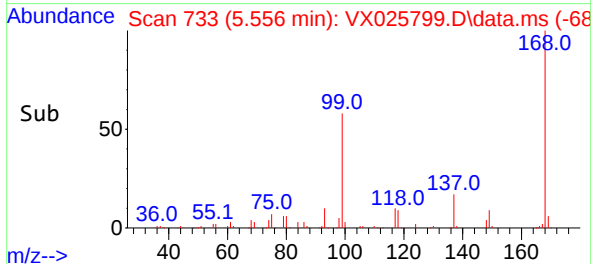
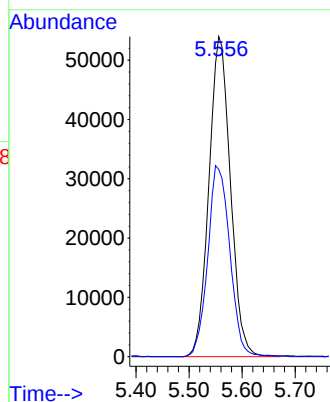


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

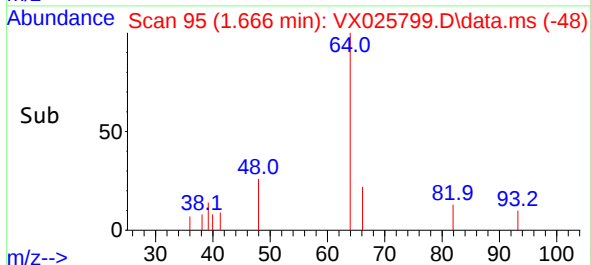
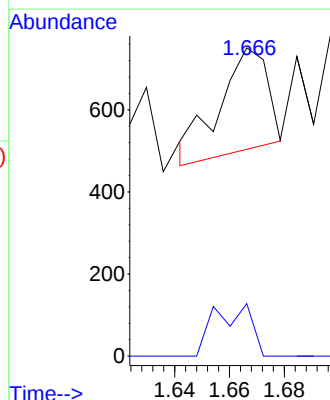
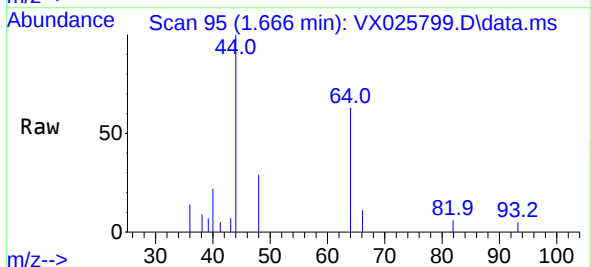


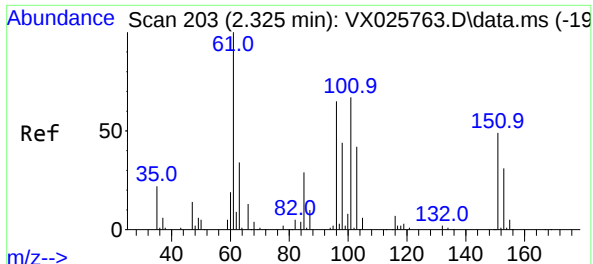
Tgt Ion:168 Resp: 152015
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.8



#6
Chloroethane
Concen: 0.226 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 56.4 25.9 38.9#

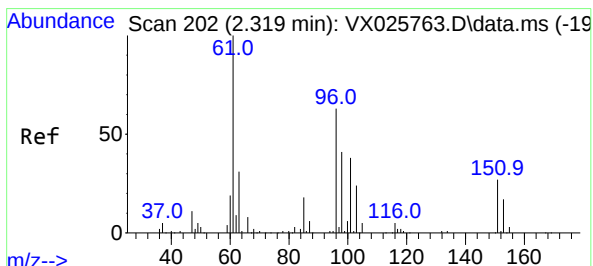
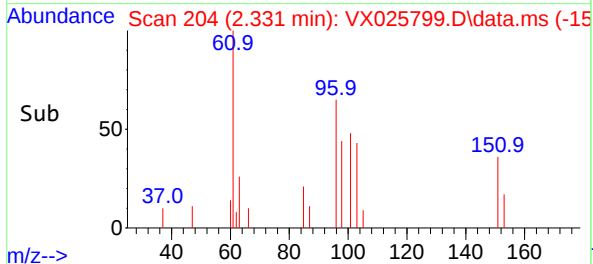
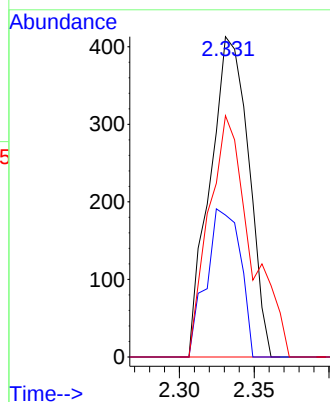
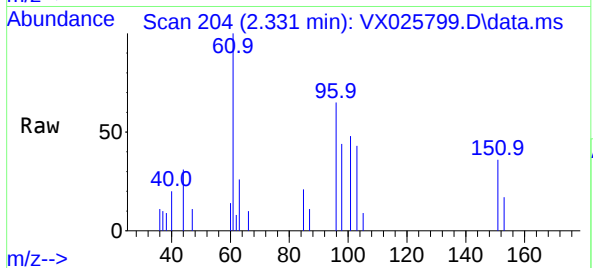




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.458 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

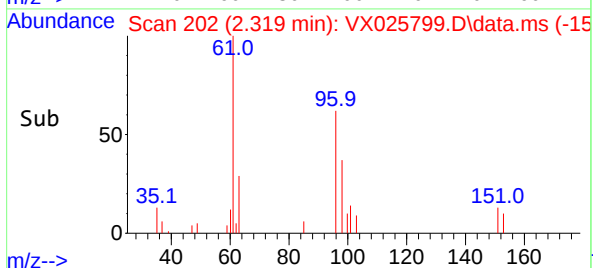
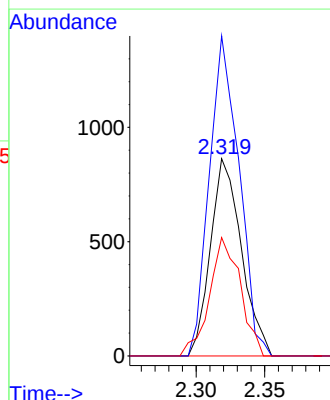
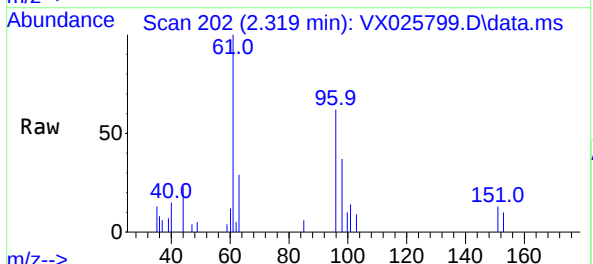
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

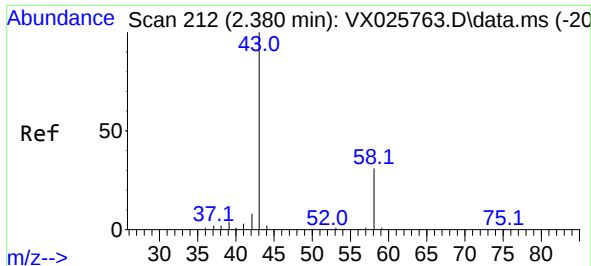
Tgt Ion:101 Resp: 741
Ion Ratio Lower Upper
101 100
85 40.8 36.5 54.7
151 81.5 60.6 90.8



#12
1,1-Dichloroethene
Concen: 0.844 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 96 Resp: 1359
Ion Ratio Lower Upper
96 100
61 162.2 127.5 191.3
98 60.0 52.0 78.0

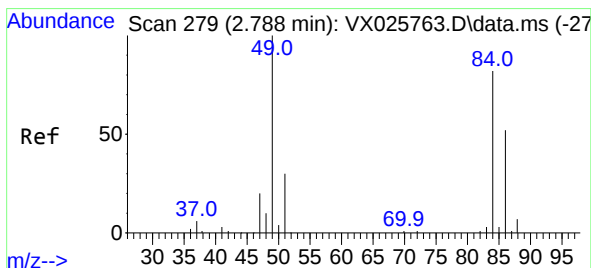
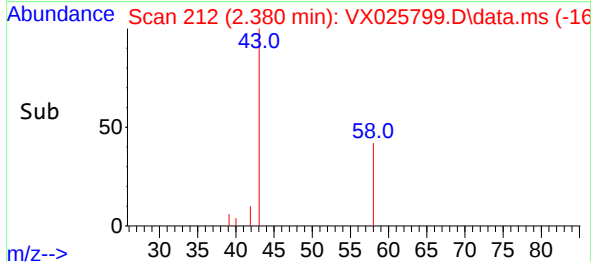
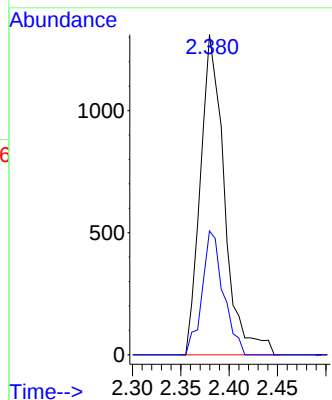
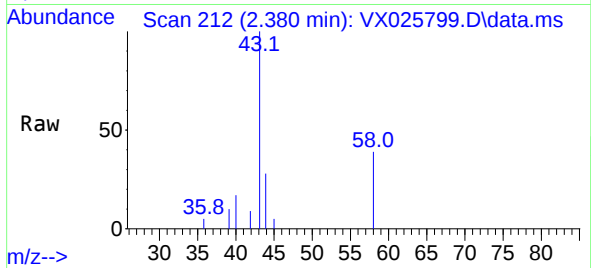




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

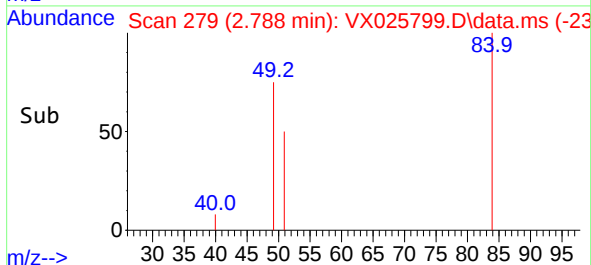
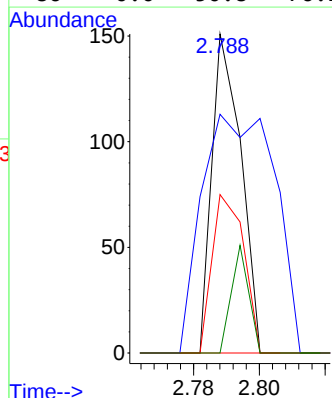
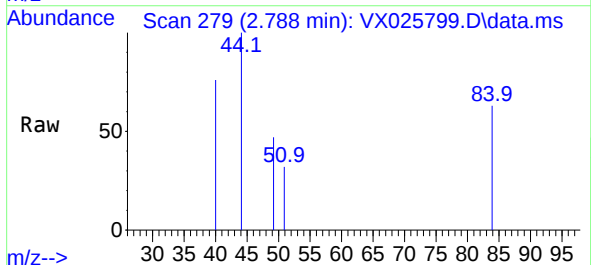
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

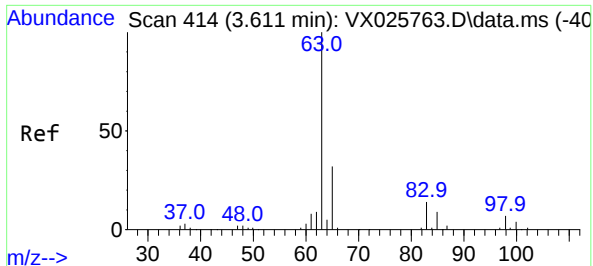
Tgt Ion: 43 Resp: 2268
Ion Ratio Lower Upper
43 100
58 38.7 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 84 Resp: 93
Ion Ratio Lower Upper
84 100
49 74.8 97.1 145.7#
51 49.7 29.3 43.9#
86 0.0 50.8 76.2#

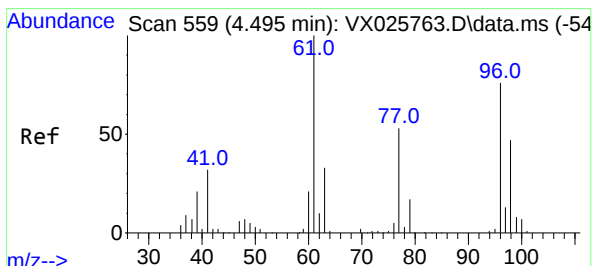
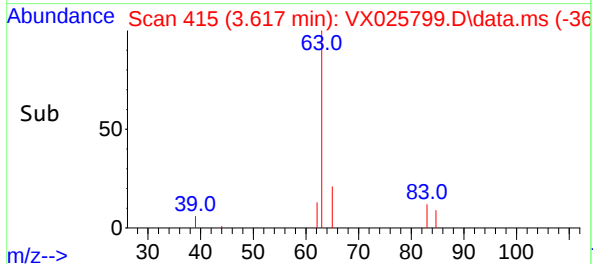
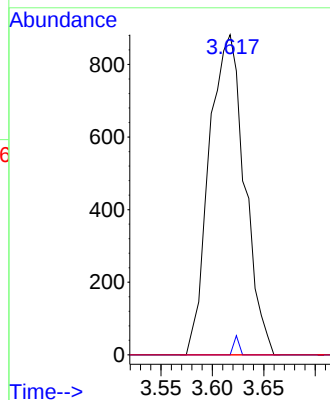
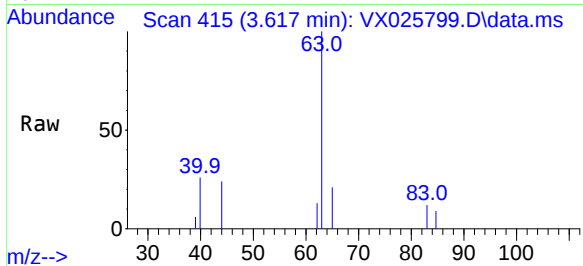




#24
1,1-Dichloroethane
Concen: 0.650 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

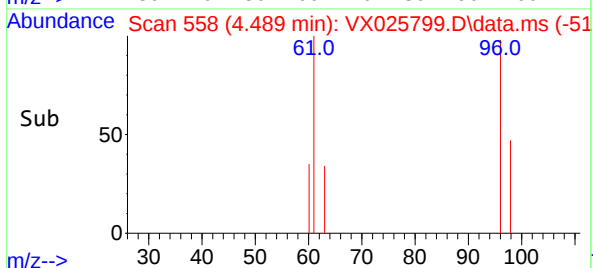
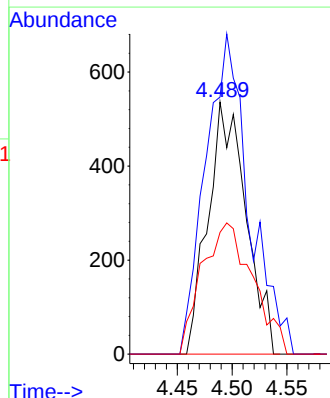
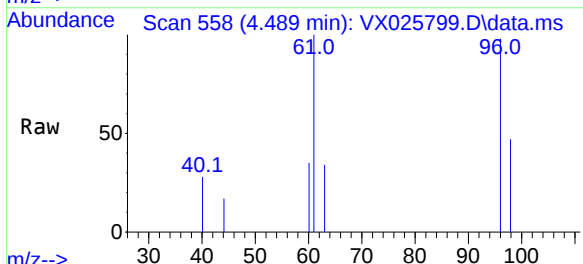
Instrument :
MSVOA_X
ClientSampleId :
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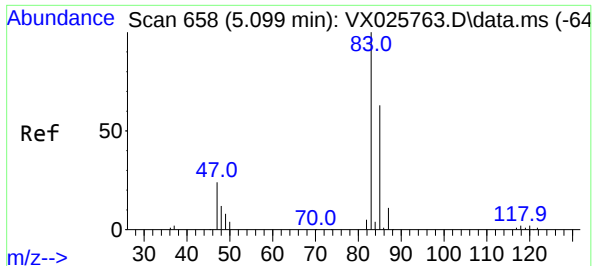
Tgt Ion: 63 Resp: 2116
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.2 6.6#



#27
cis-1,2-Dichloroethene
Concen: 0.608 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 96 Resp: 1295
Ion Ratio Lower Upper
96 100
61 144.8 0.0 276.8
98 69.4 0.0 130.6





#30

Chloroform

Concen: 0.225 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

Instrument :

MSVOA_X

ClientSampleId :

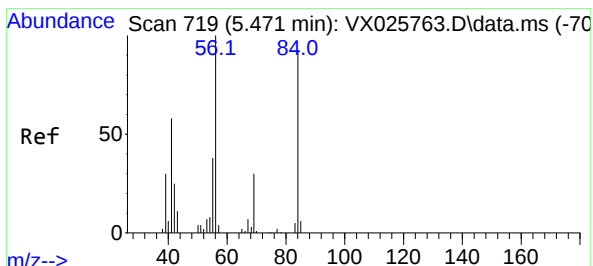
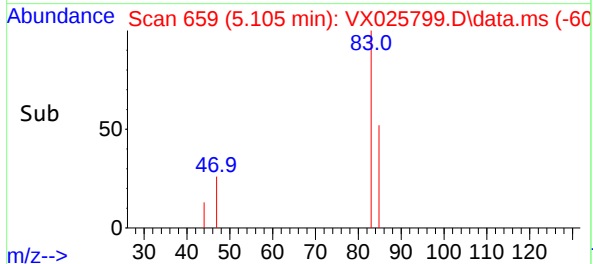
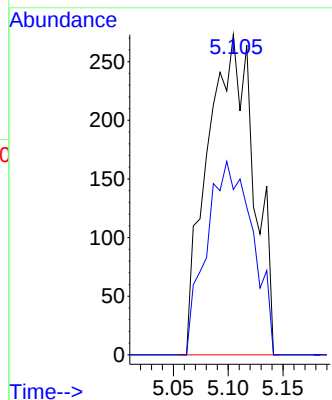
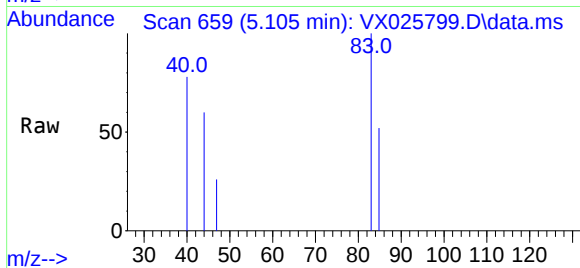
RE126D2-20211207

Tgt Ion: 83 Resp: 803

Ion Ratio Lower Upper

83 100

85 51.6 50.6 75.8



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

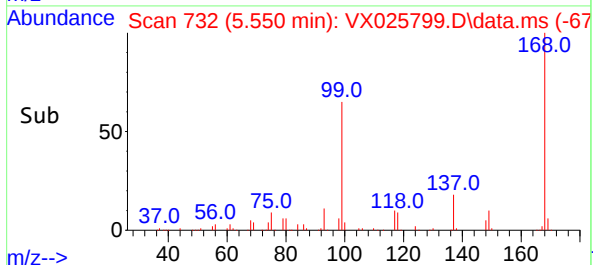
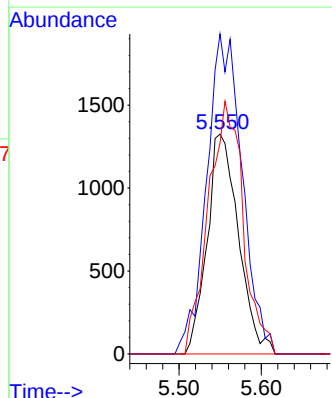
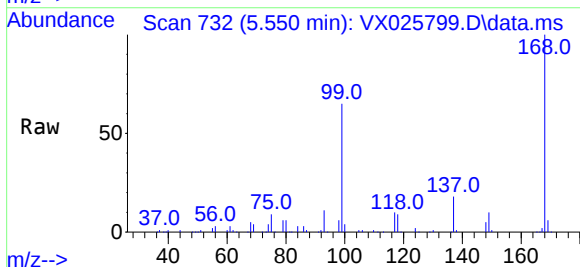
Tgt Ion: 56 Resp: 3525

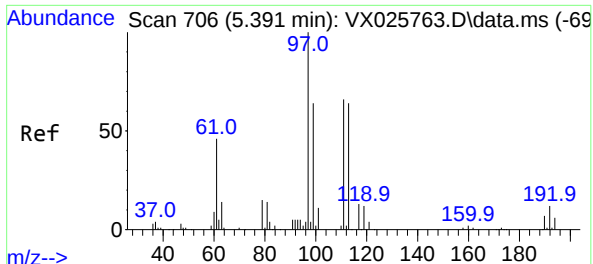
Ion Ratio Lower Upper

56 100

69 145.6 23.9 35.9#

84 95.9 73.2 109.8

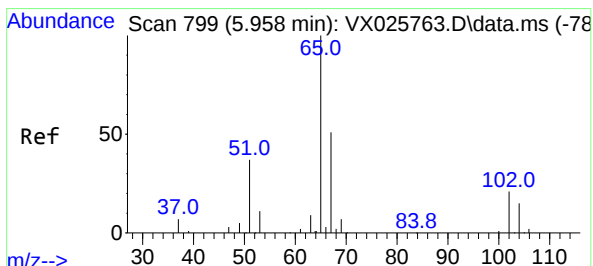
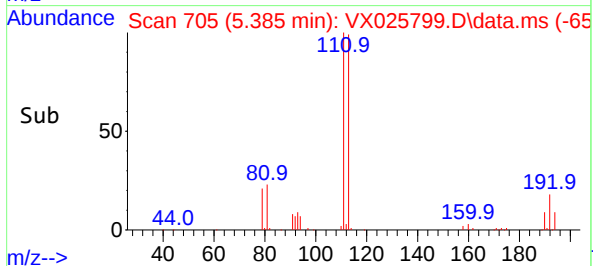
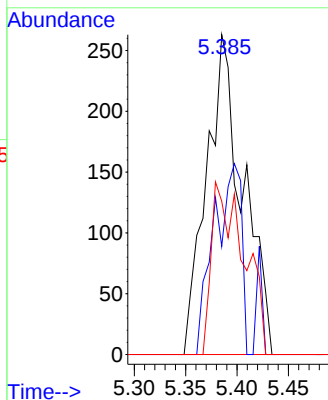
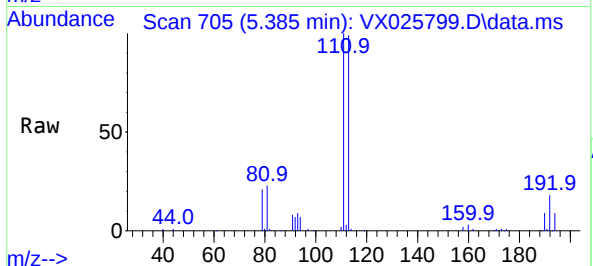




#32
1,1,1-Trichloroethane
Concen: 0.209 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

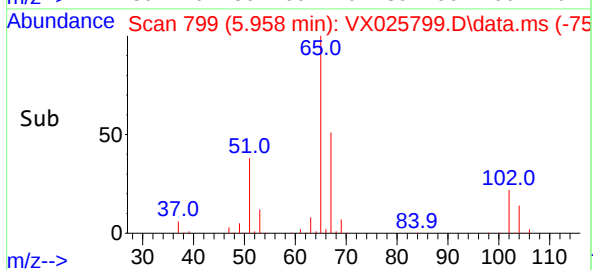
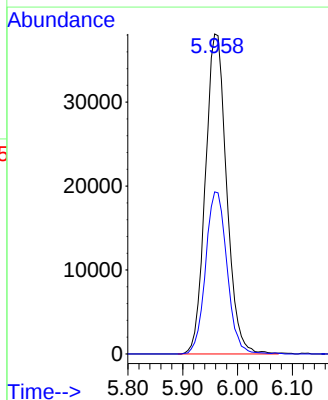
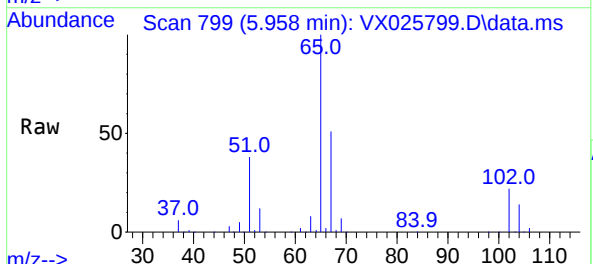
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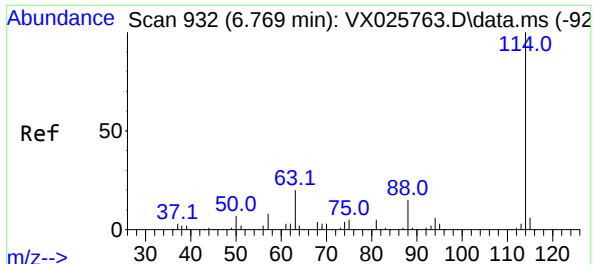
Tgt Ion: 97 Resp: 649
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 47.9 35.5 53.3



#33
1,2-Dichloroethane-d4
Concen: 46.767 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 65 Resp: 102291
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

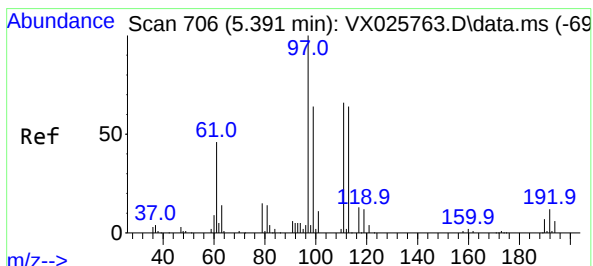
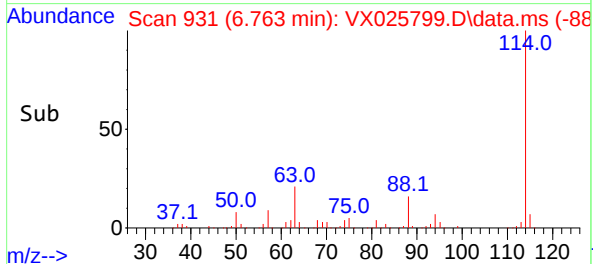
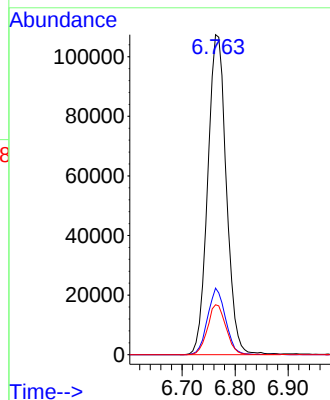
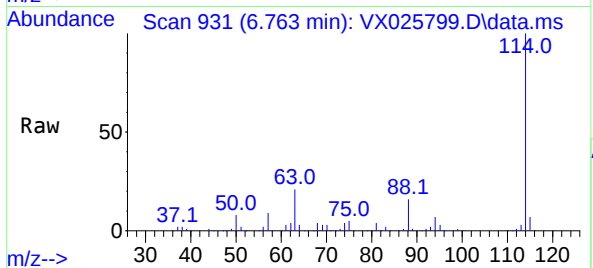




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

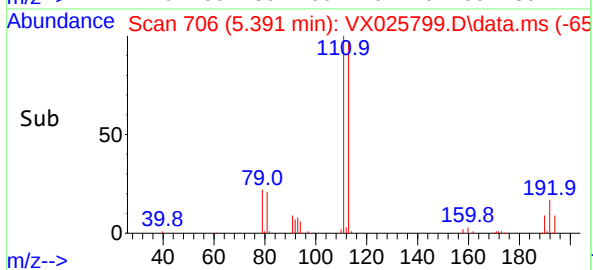
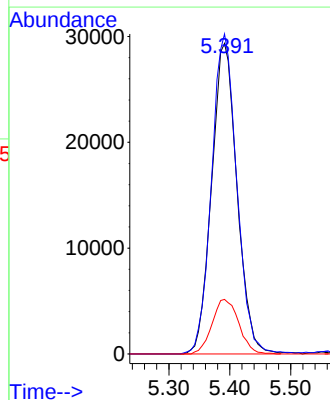
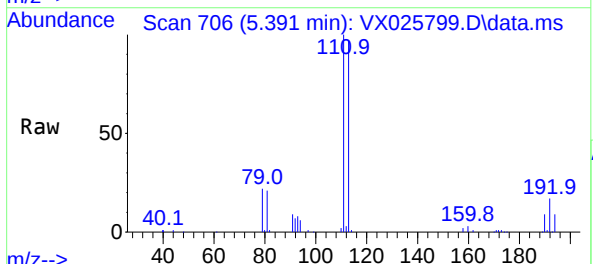
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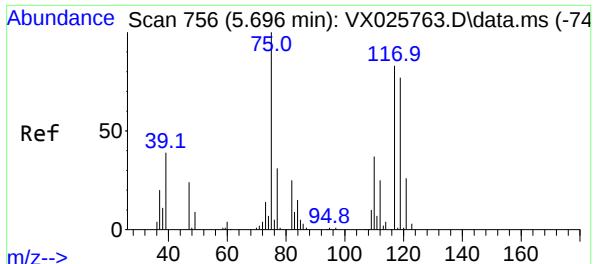
Tgt Ion:114 Resp: 261891
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.0
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.454 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion:113 Resp: 84847
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 18.5 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20211207

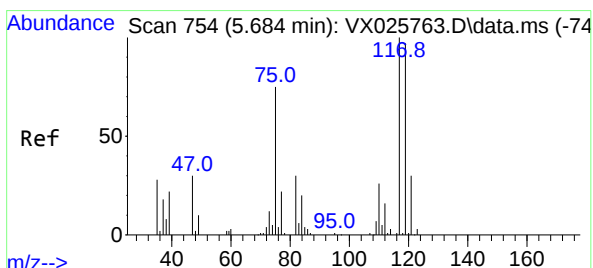
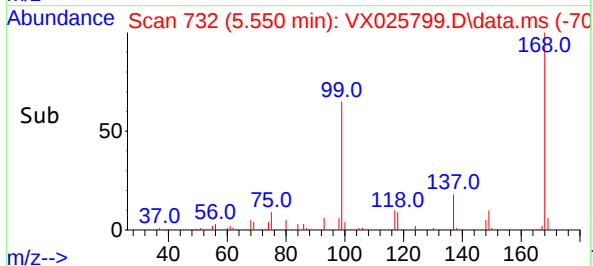
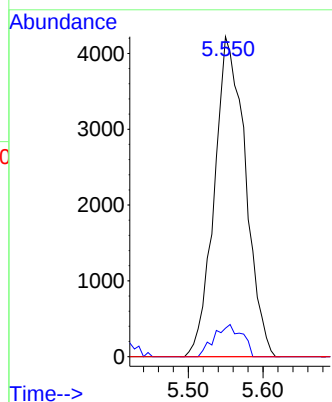
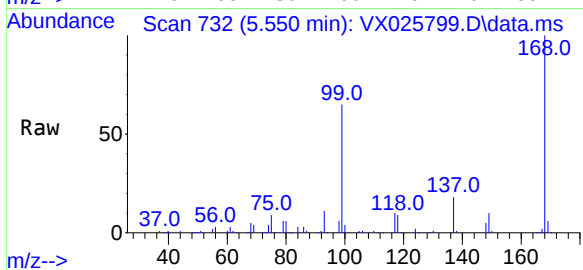
Tgt Ion: 75 Resp: 12187

Ion Ratio Lower Upper

75 100

110 9.0 18.2 54.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 0.392 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

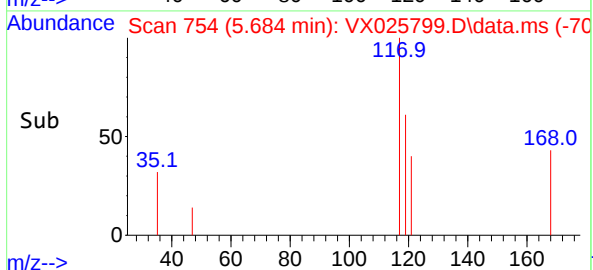
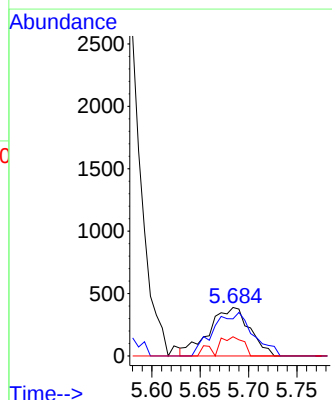
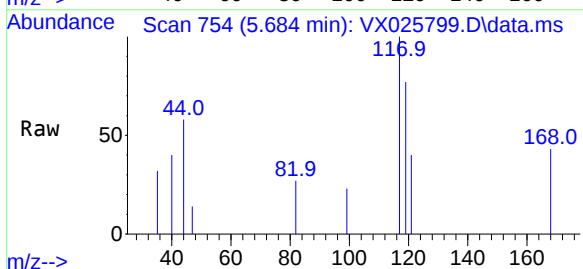
Tgt Ion: 117 Resp: 1131

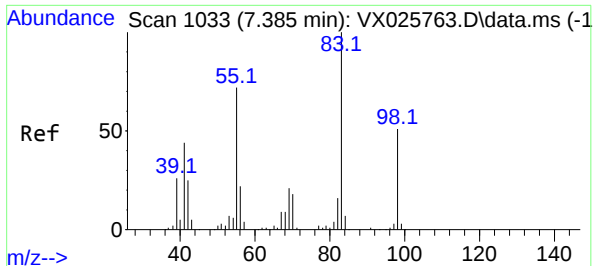
Ion Ratio Lower Upper

117 100

119 76.5 77.2 115.8#

121 39.7 23.8 35.8#





#39

Methylcyclohexane

Concen: 2.580 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20211207

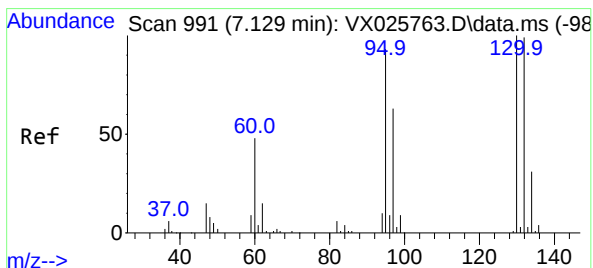
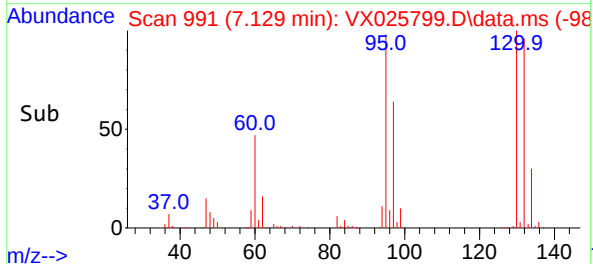
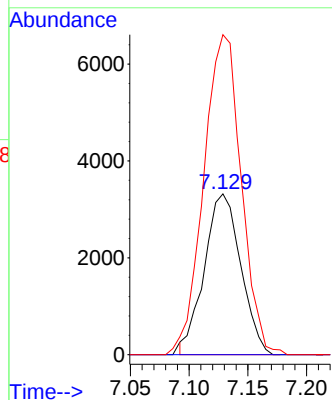
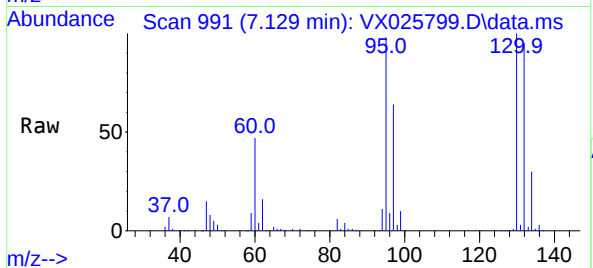
Tgt Ion: 83 Resp: 7149

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 196.1 40.5 60.7#



#44

Trichloroethene

Concen: 274.701 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025799.D

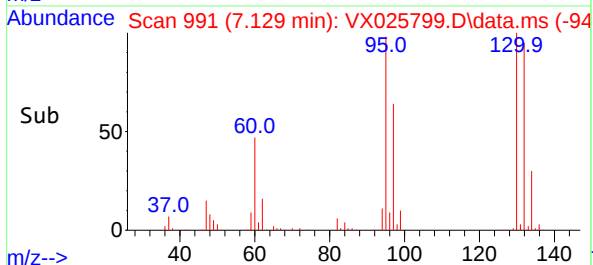
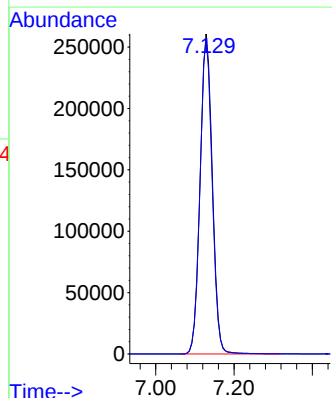
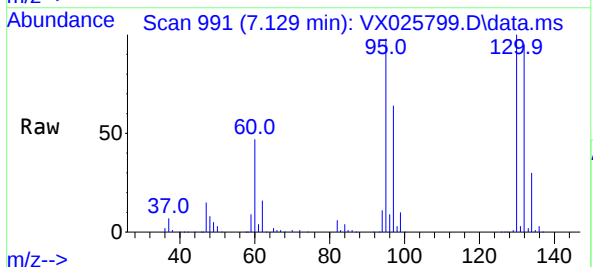
Acq: 15 Dec 2021 00:44

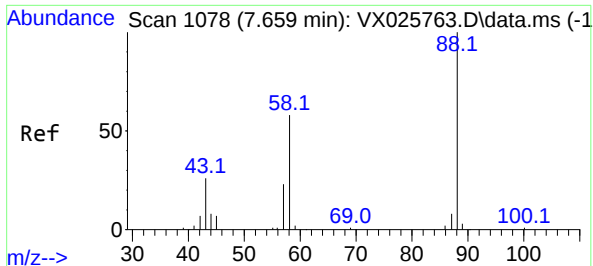
Tgt Ion:130 Resp: 565056

Ion Ratio Lower Upper

130 100

95 98.5 0.0 186.4





#49

1,4-Dioxane

Concen: 7.657 ug/l

RT: 7.677 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20211207

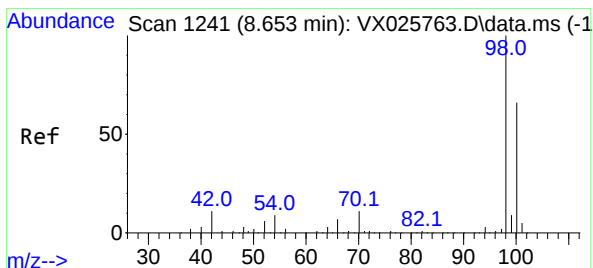
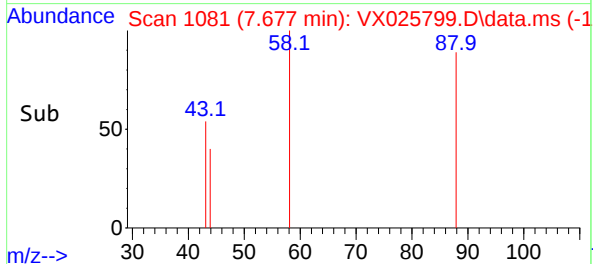
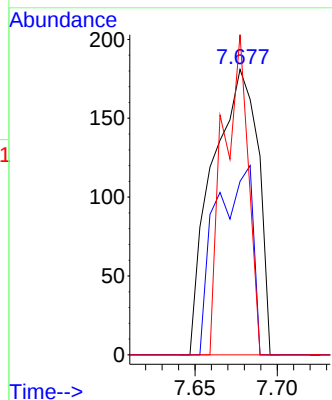
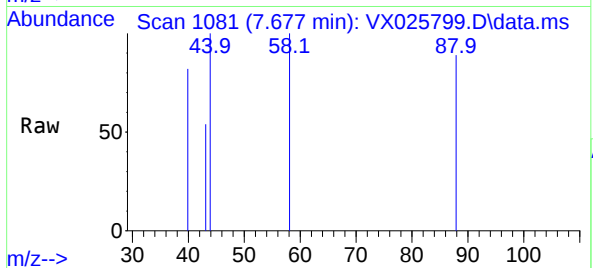
Tgt Ion: 88 Resp: 349

Ion Ratio Lower Upper

88 100

43 53.3 25.3 37.9#

58 61.0 51.8 77.6



#50

Toluene-d8

Concen: 46.193 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025799.D

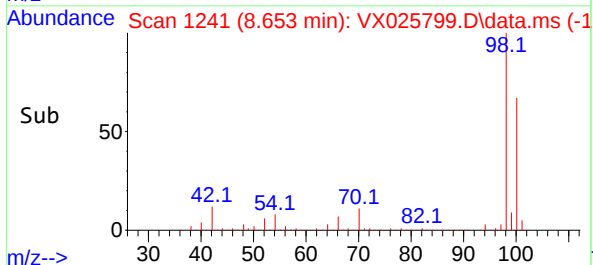
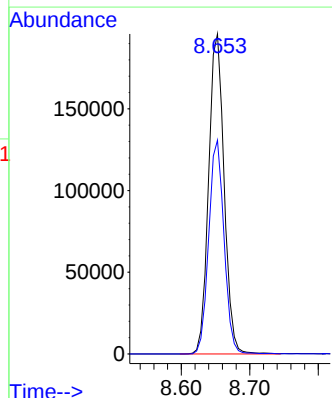
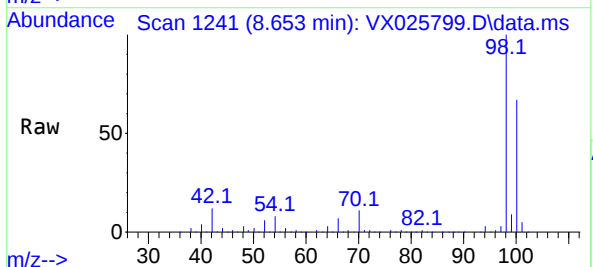
Acq: 15 Dec 2021 00:44

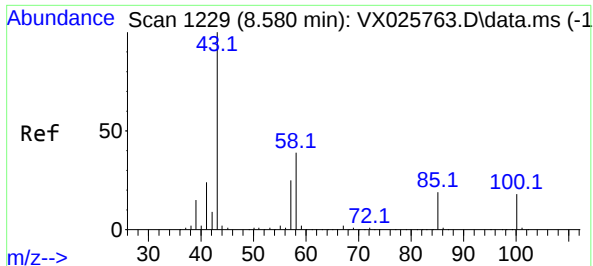
Tgt Ion: 98 Resp: 307400

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.461 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX025799.D

Acq: 15 Dec 2021 00:44

Instrument :

MSVOA_X

ClientSampleId :

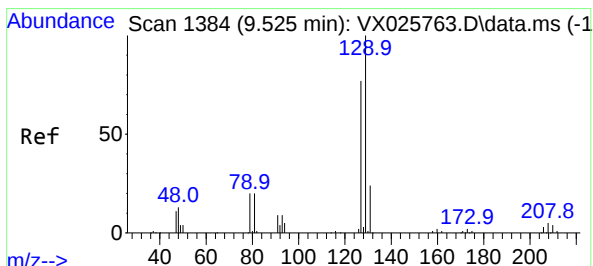
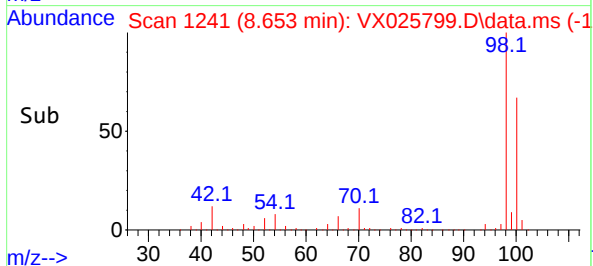
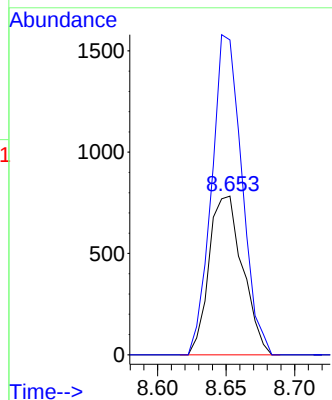
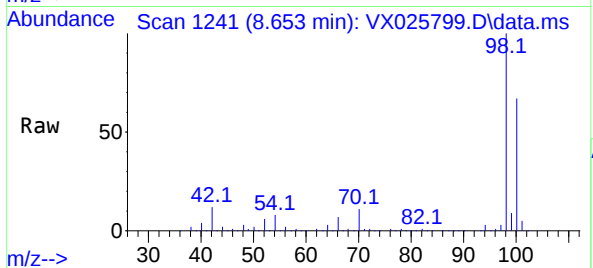
RE126D2-20211207

Tgt Ion: 43 Resp: 1339

Ion Ratio Lower Upper

43 100

58 181.4 30.8 46.2#



#60

Dibromochloromethane

Concen: 0.539 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025799.D

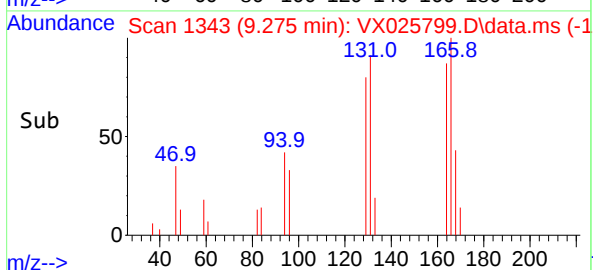
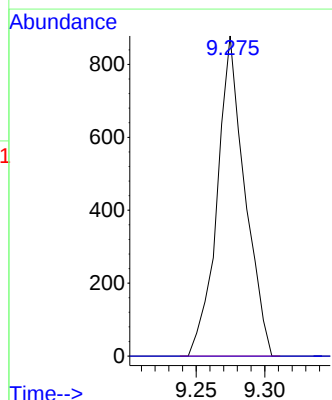
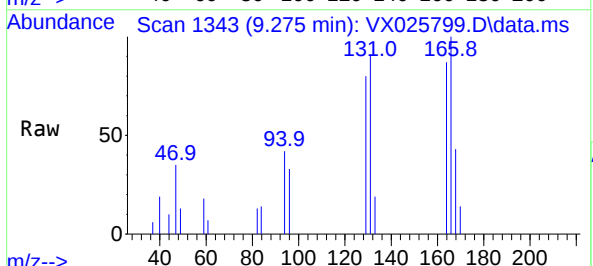
Acq: 15 Dec 2021 00:44

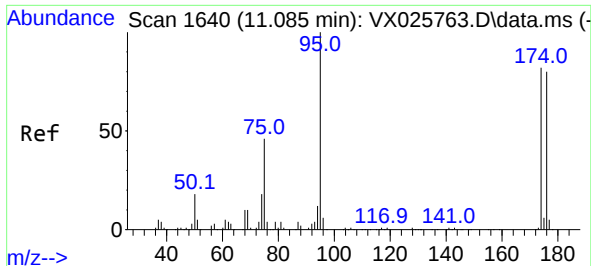
Tgt Ion: 129 Resp: 1234

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#

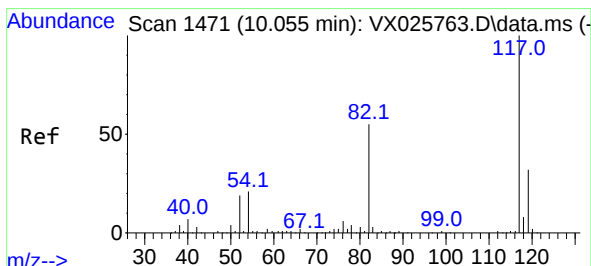
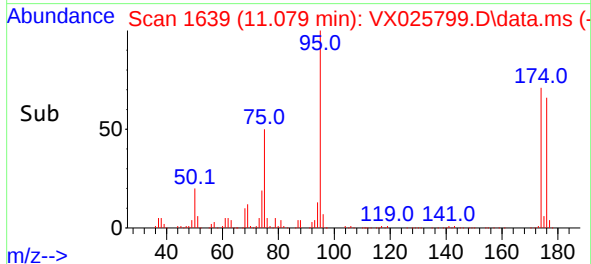
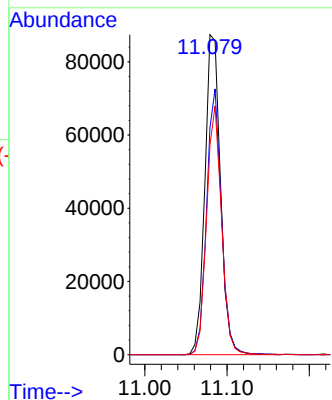
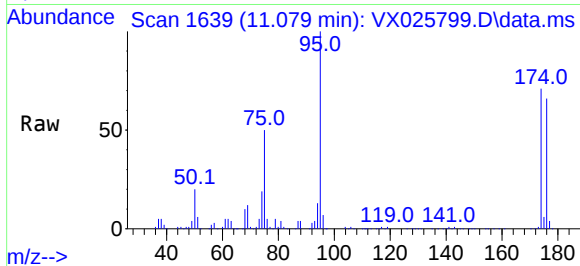




#62
4-Bromofluorobenzene
Concen: 45.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

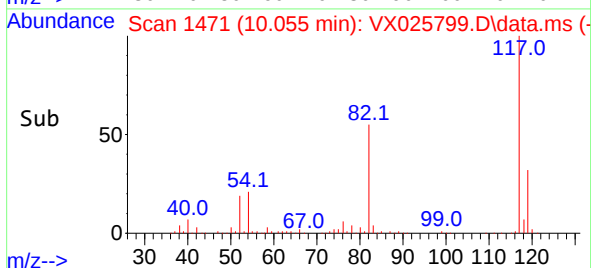
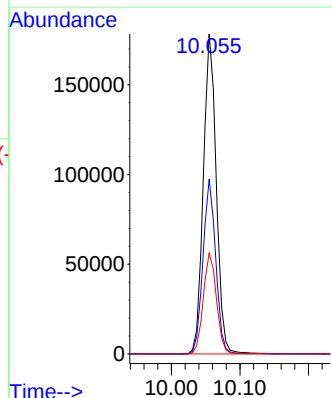
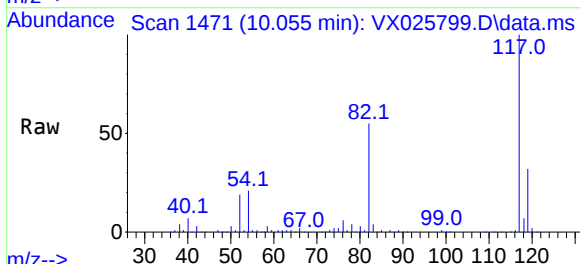
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

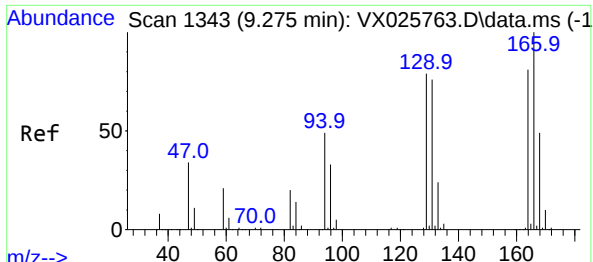
Tgt Ion: 95 Resp: 115403
Ion Ratio Lower Upper
95 100
174 78.7 0.0 157.4
176 74.4 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion: 117 Resp: 235059
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.6
119 31.5 25.2 37.8



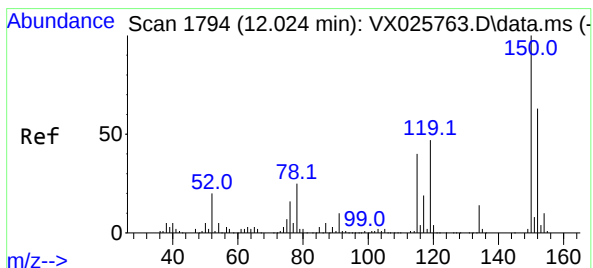
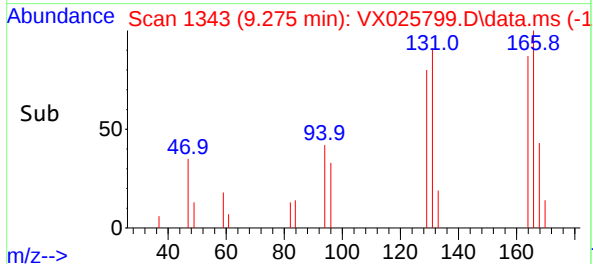
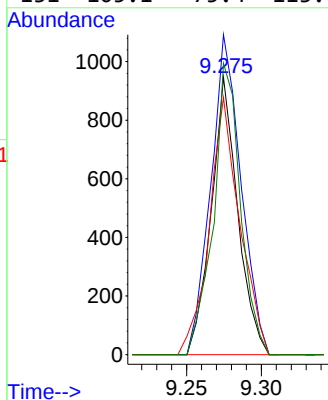
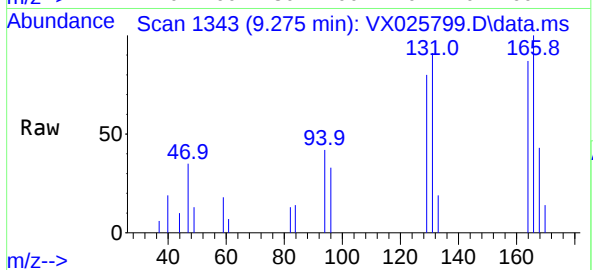


#64
Tetrachloroethene
Concen: 0.623 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

Tgt Ion:164 Resp: 1168

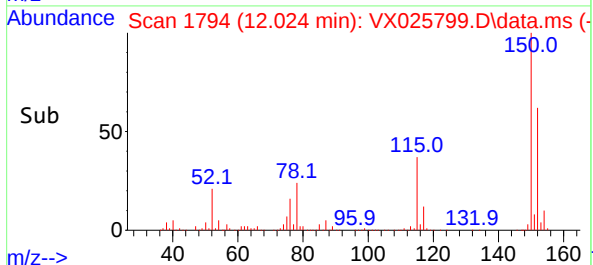
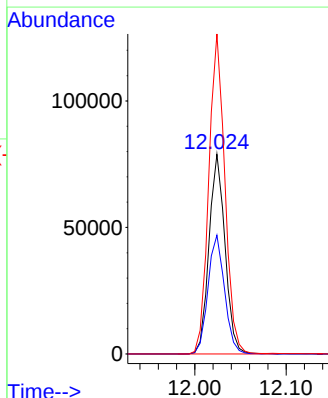
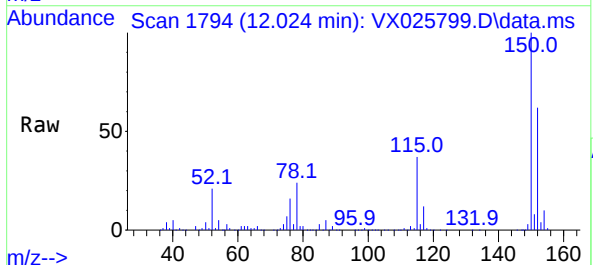
Ion	Ratio	Lower	Upper
164	100		
166	115.4	99.4	149.0
129	92.8	78.6	118.0
131	105.1	75.4	113.0

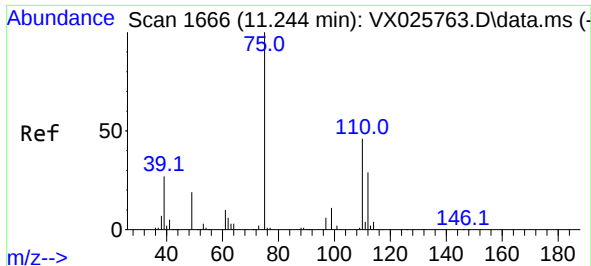


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Tgt Ion:152 Resp: 95961

Ion	Ratio	Lower	Upper
152	100		
115	61.5	41.3	123.9
150	161.1	0.0	351.8

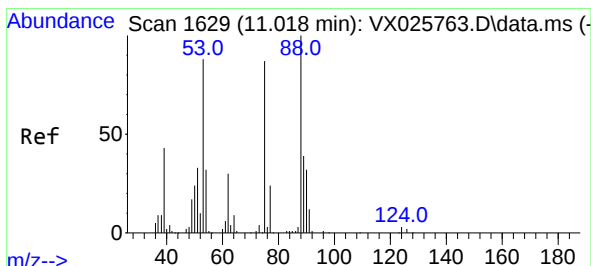
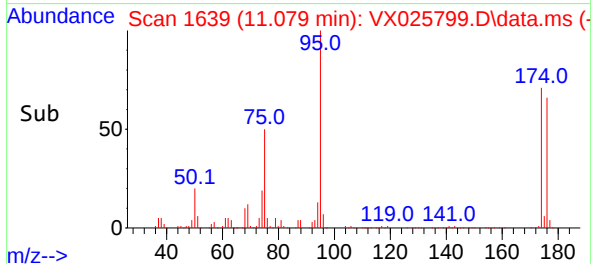
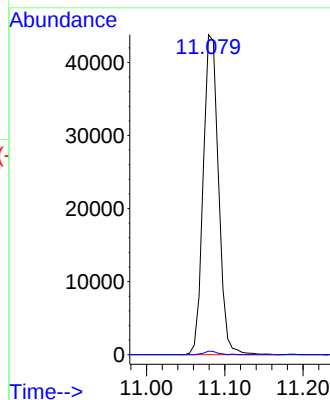
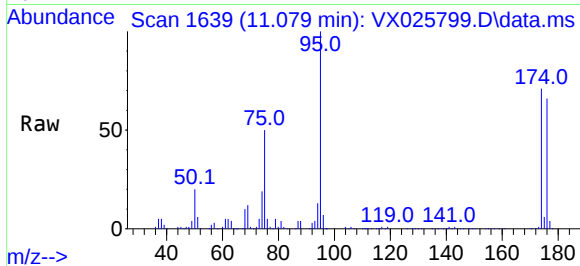




#76
1,2,3-Trichloropropane
Concen: 27.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

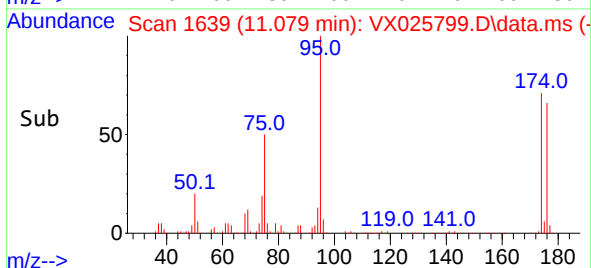
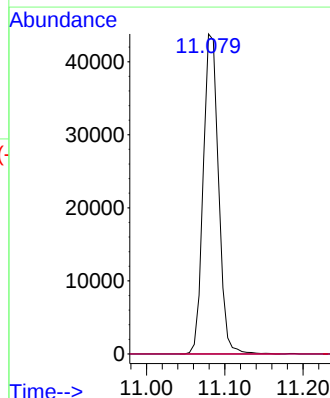
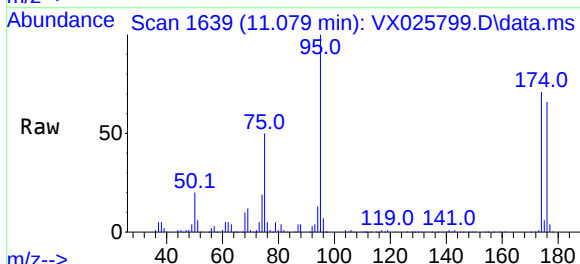
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207

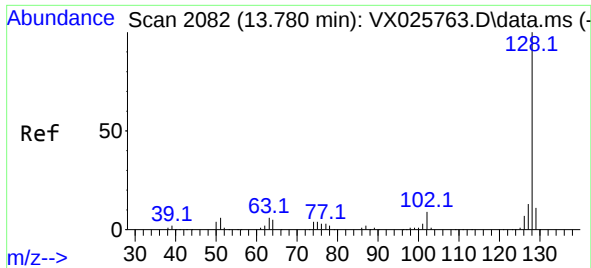
Tgt Ion: 75 Resp: 59430
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.802 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

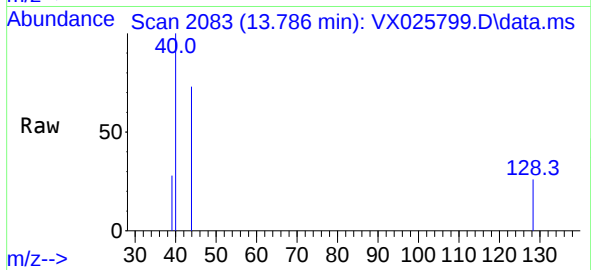
Tgt Ion: 75 Resp: 59430
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.420 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX025799.D
Acq: 15 Dec 2021 00:44

Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20211207



Tgt Ion:128 Resp: 59
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

