

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025787.D
 Acq On : 14 Dec 2021 19:17
 Operator : JC/MD
 Sample : M4988-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20211207

Quant Time: Dec 15 07:08:42 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)

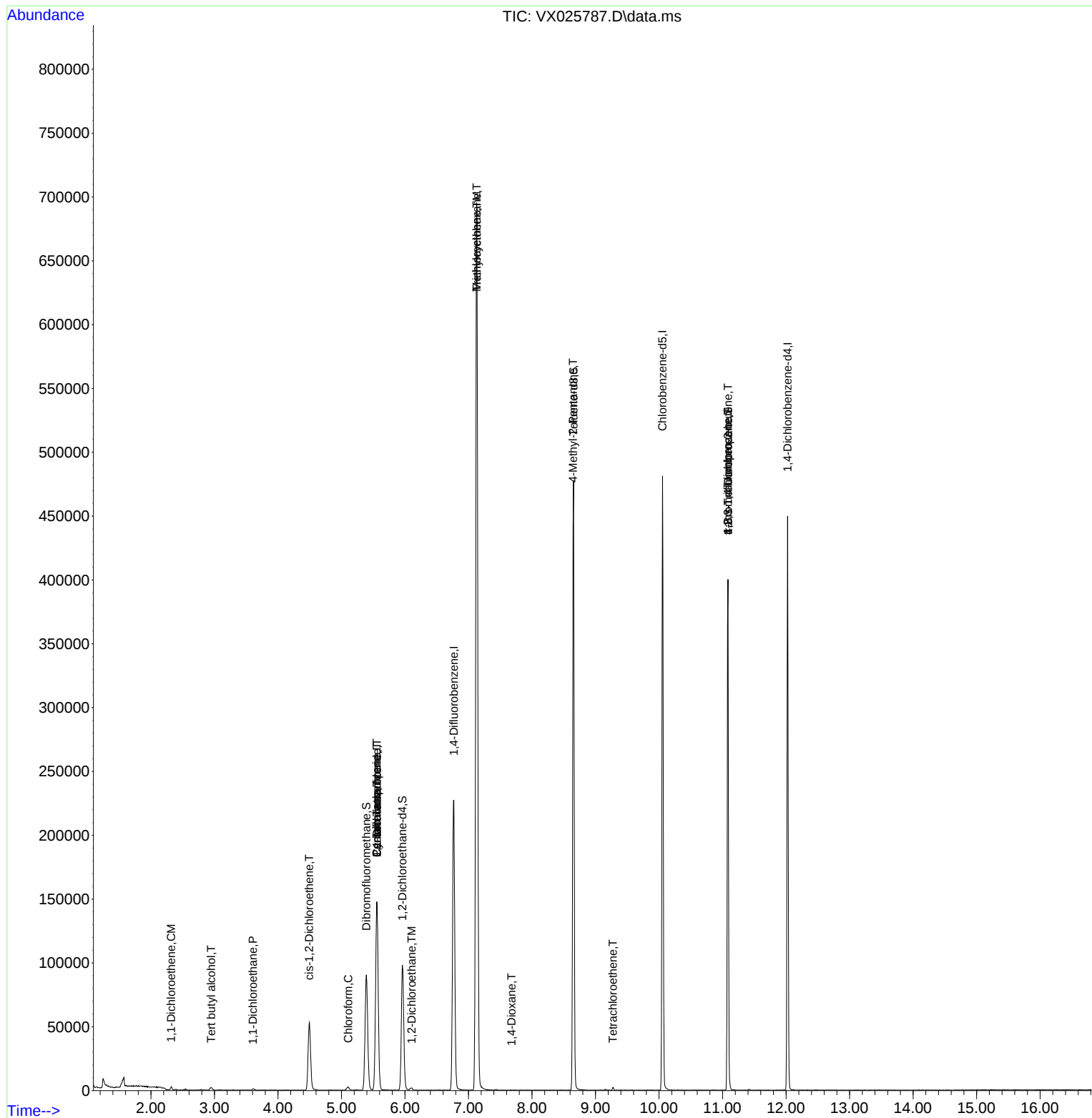
Internal Standards						
1) Pentafluorobenzene	5.556	168	136479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92339	47.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.040%		
35) Dibromofluoromethane	5.391	113	77688	46.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.840%		
50) Toluene-d8	8.653	98	282254	46.786	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.580%		
62) 4-Bromofluorobenzene	11.085	95	107493	46.906	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.820%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	1335	3.389	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	837	0.579	ug/l	89
16) Acetone	2.380	43	519	Below Cal	#	44
20) Methylene Chloride	2.800	84	205	Below Cal	#	37
24) 1,1-Dichloroethane	3.605	63	1579	0.541	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	34266	17.922	ug/l	89
30) Chloroform	5.105	83	2882	0.900	ug/l	94
31) Cyclohexane	5.556	56	2917	1.222	ug/l #	17
36) 1,1-Dichloropropene	5.556	75	11077	4.933	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14849	5.684	ug/l #	14
39) Methylcyclohexane	7.129	83	3165	1.260	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	1958	0.769	ug/l	96
44) Trichloroethene	7.129	130	269405	144.471	ug/l	97
49) 1,4-Dioxane	7.677	88	55	1.331	ug/l #	59
51) 4-Methyl-2-Pentanone	8.647	43	1231	0.468	ug/l #	1
64) Tetrachloroethene	9.275	164	436	0.255	ug/l #	73
76) 1,2,3-Trichloropropane	11.085	75	54805	26.659	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54805	82.650	ug/l #	10

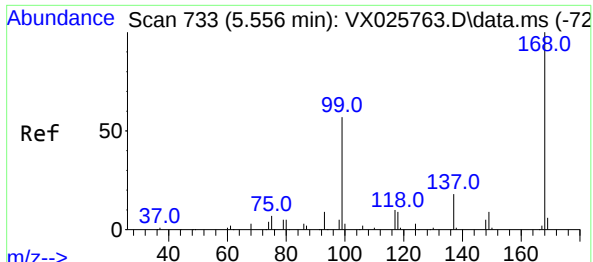
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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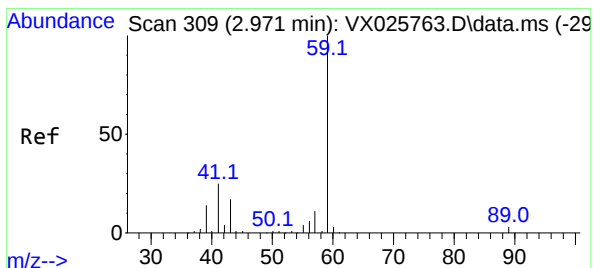
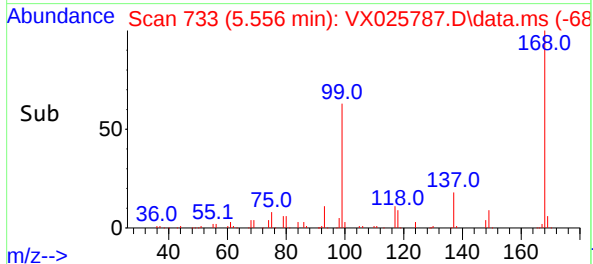
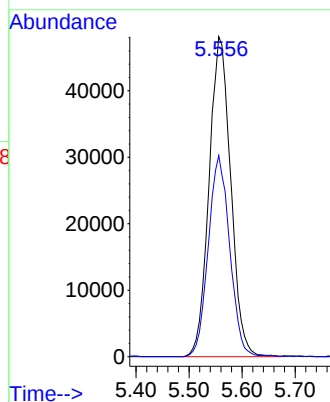
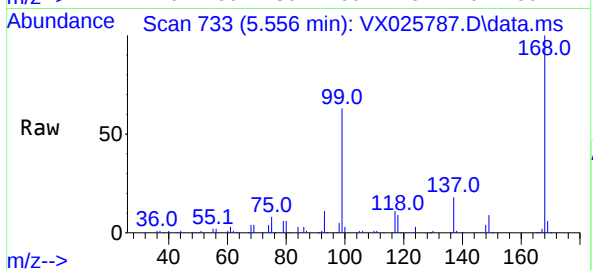




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

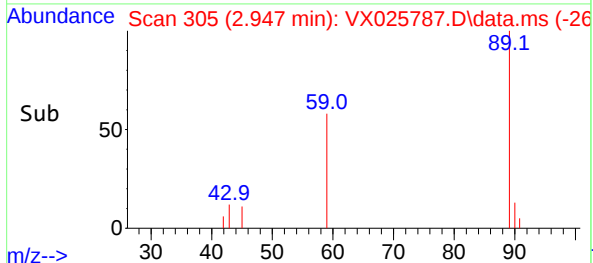
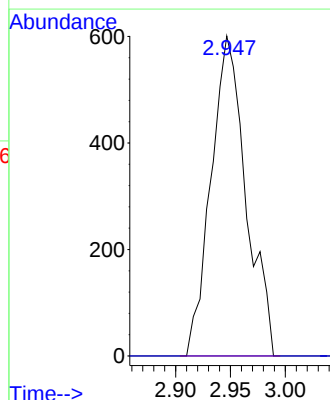
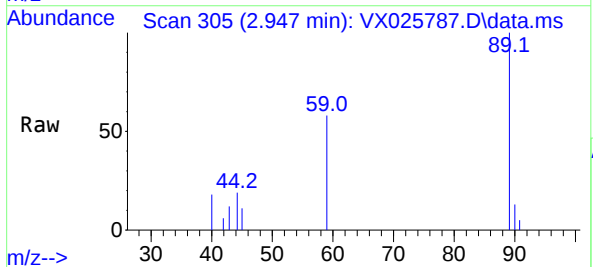
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

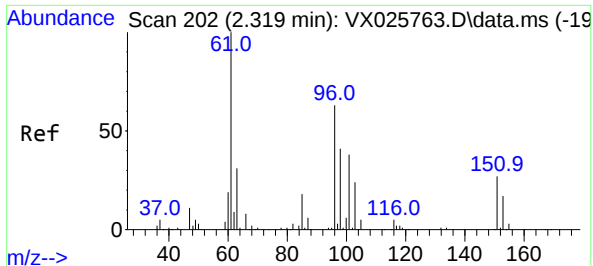
Tgt Ion:168 Resp: 136479
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.8



#11
Tert butyl alcohol
Concen: 3.389 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

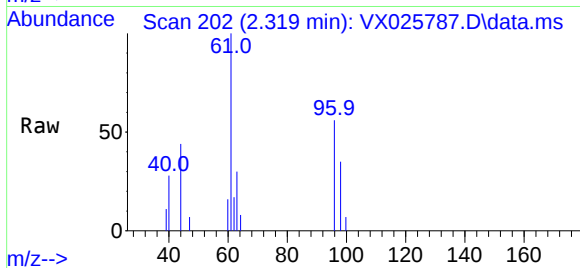
Tgt Ion: 59 Resp: 1335
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



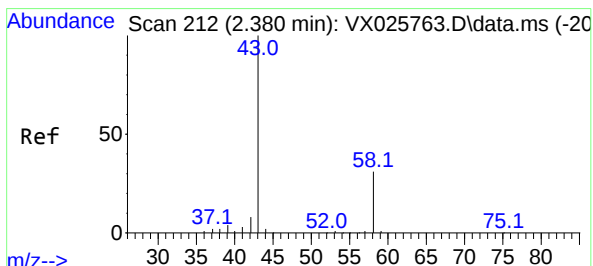
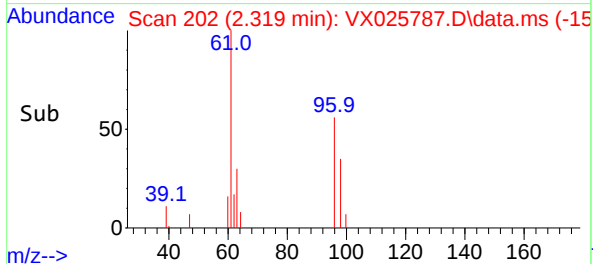
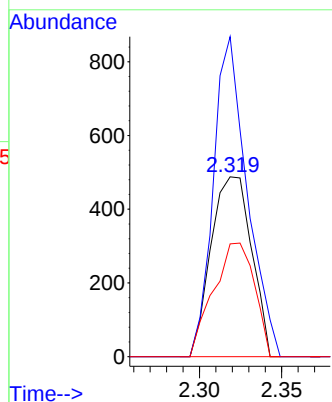


#12
1,1-Dichloroethene
Concen: 0.579 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

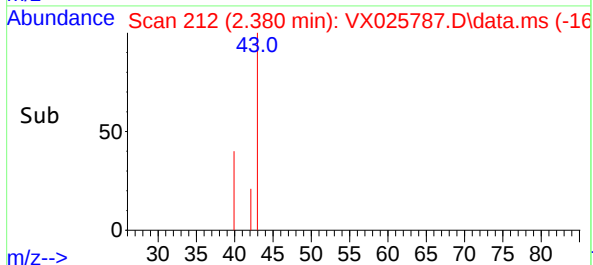
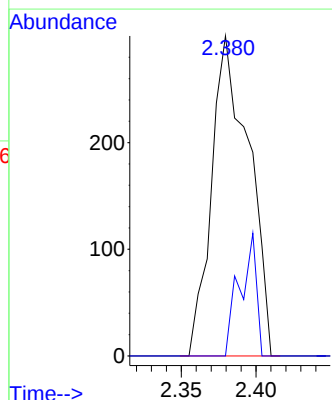
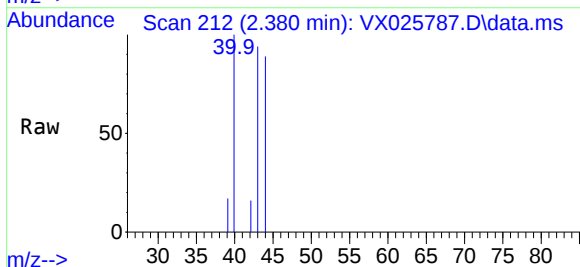


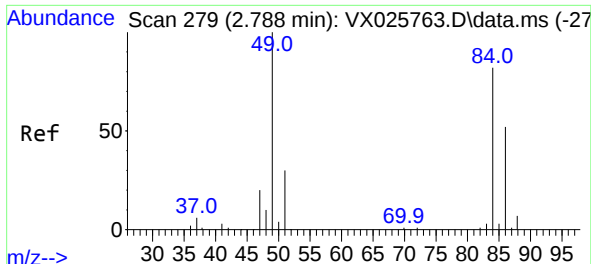
Tgt Ion: 96 Resp: 837
Ion Ratio Lower Upper
96 100
61 177.9 127.5 191.3
98 62.7 52.0 78.0



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX025787.D

Acq: 14 Dec 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20211207

Tgt Ion: 84 Resp: 205

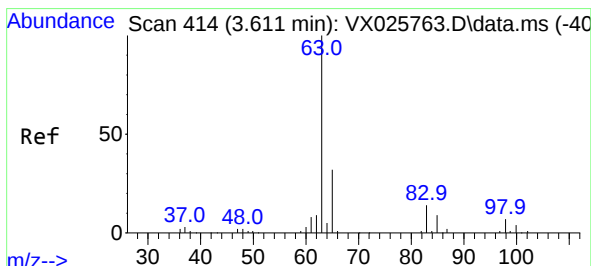
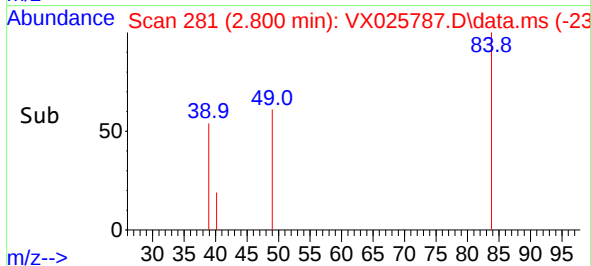
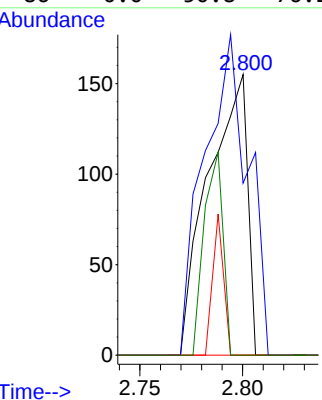
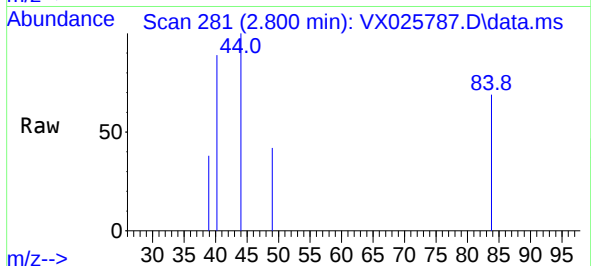
Ion Ratio Lower Upper

84 100

49 61.3 97.1 145.7#

51 0.0 29.3 43.9#

86 0.0 50.8 76.2#



#24

1,1-Dichloroethane

Concen: 0.541 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.006 min

Lab File: VX025787.D

Acq: 14 Dec 2021 19:17

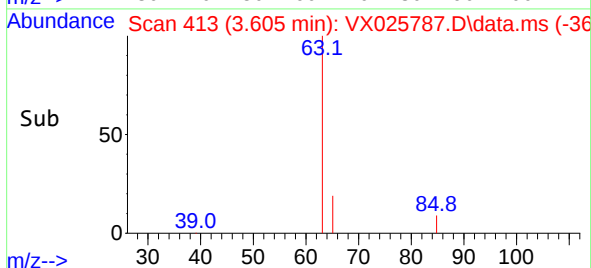
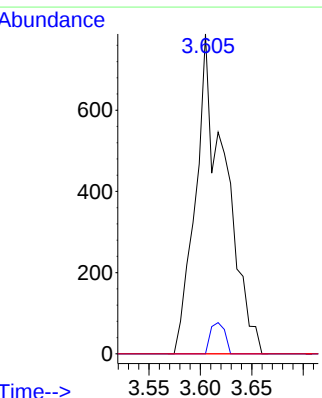
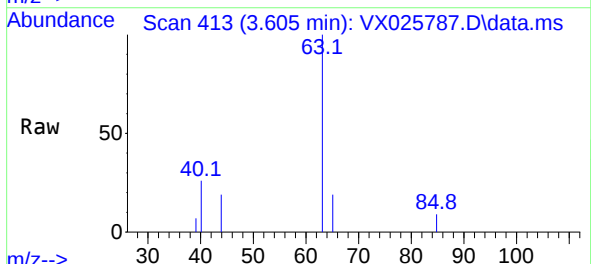
Tgt Ion: 63 Resp: 1579

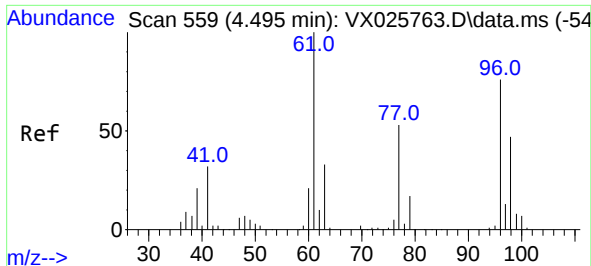
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

100 0.0 2.2 6.6#

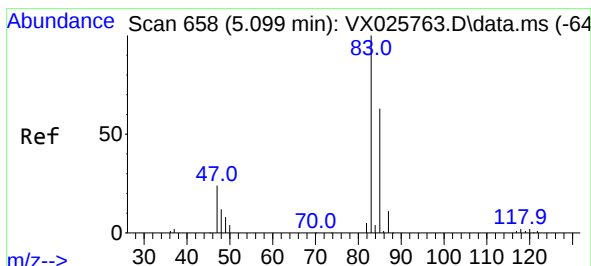
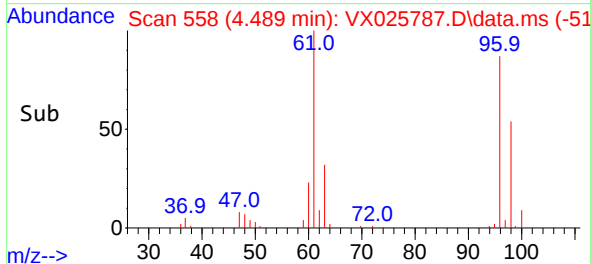
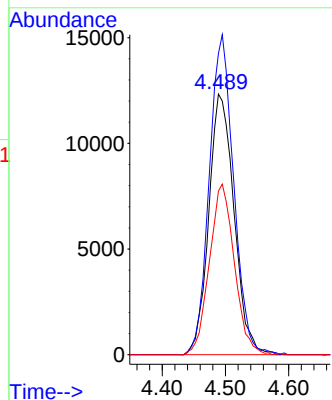
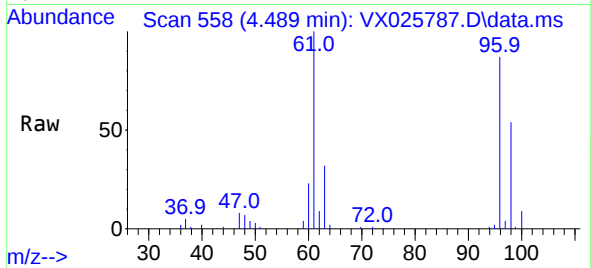




#27
cis-1,2-Dichloroethene
Concen: 17.922 ug/l
RT: 4.489 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

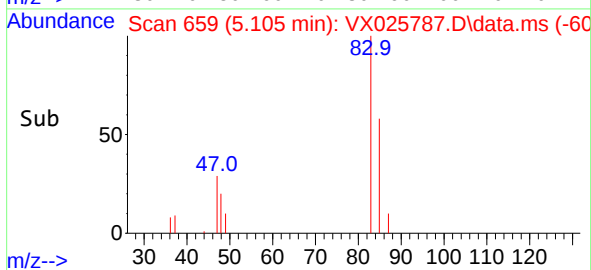
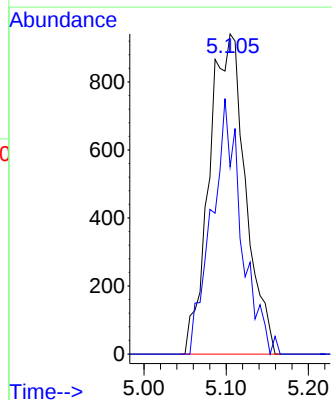
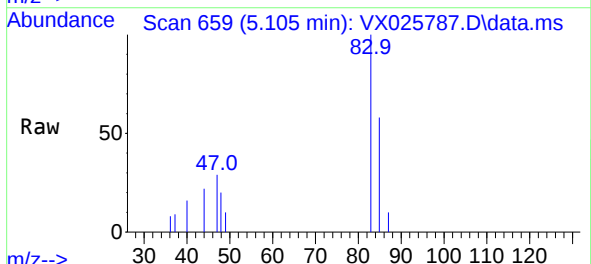
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

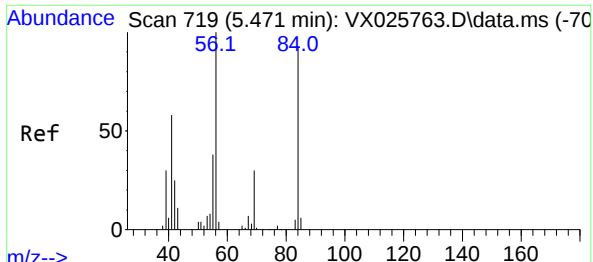
Tgt Ion: 96 Resp: 34266
Ion Ratio Lower Upper
96 100
61 118.6 0.0 276.8
98 64.5 0.0 130.6



#30
Chloroform
Concen: 0.900 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

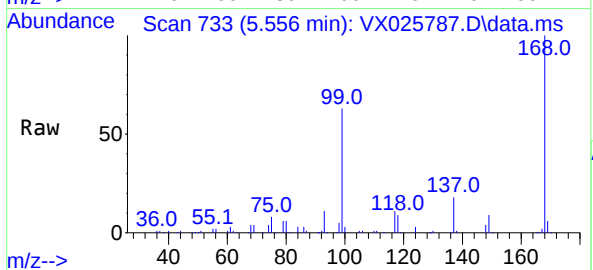
Tgt Ion: 83 Resp: 2882
Ion Ratio Lower Upper
83 100
85 58.4 50.6 75.8



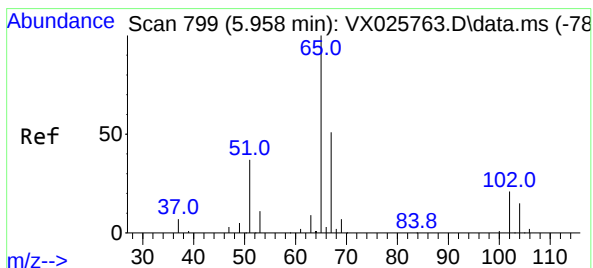
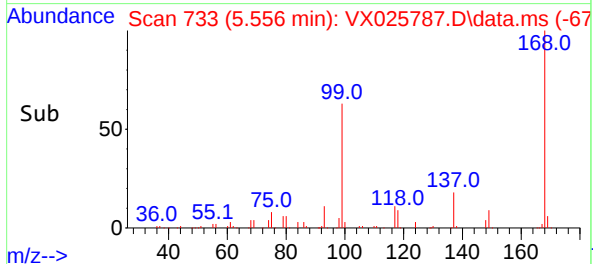
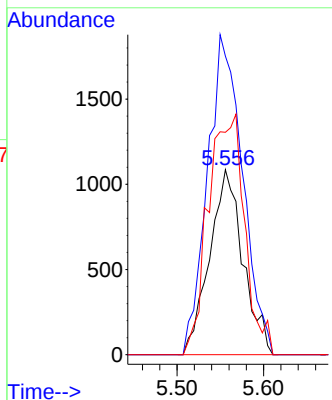


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

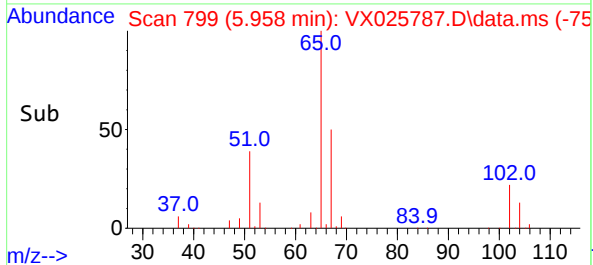
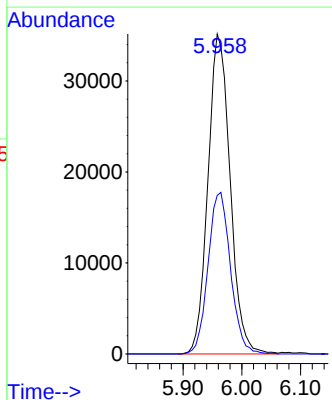
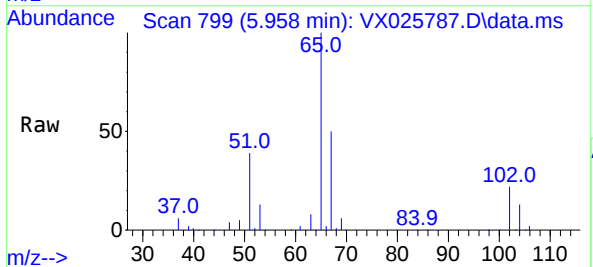


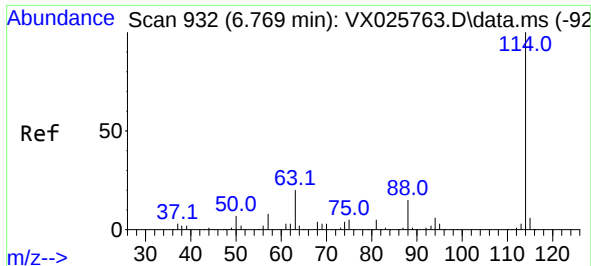
Tgt Ion: 56 Resp: 2917
Ion Ratio Lower Upper
56 100
69 161.3 23.9 35.9#
84 120.2 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.023 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 65 Resp: 92339
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4

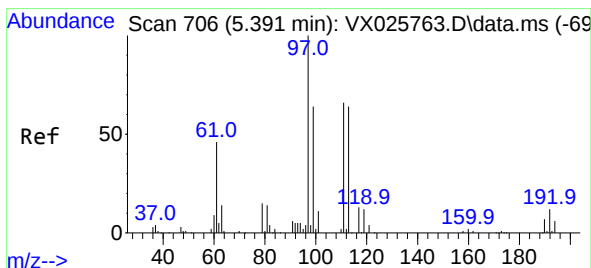
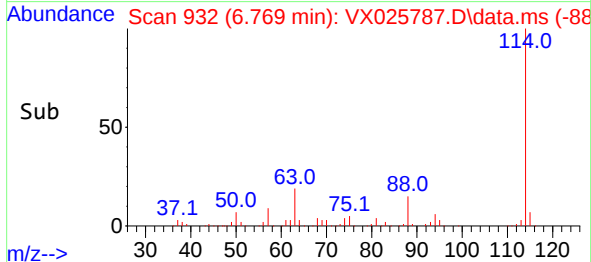
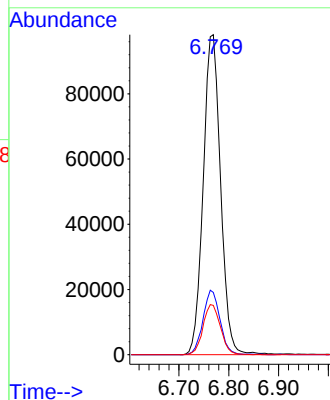
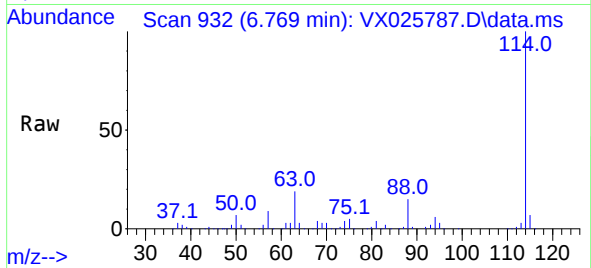




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

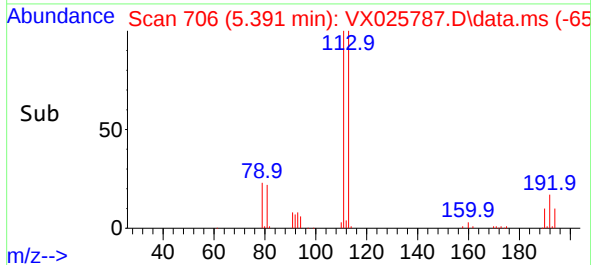
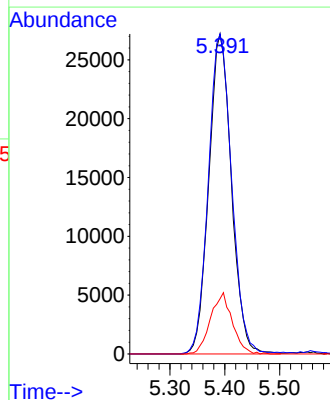
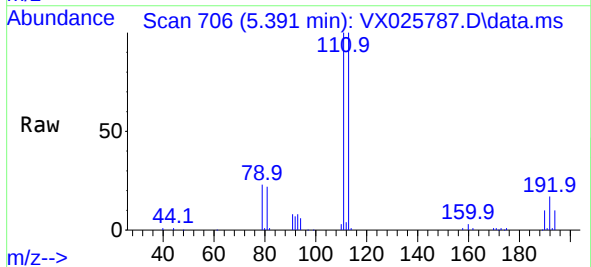
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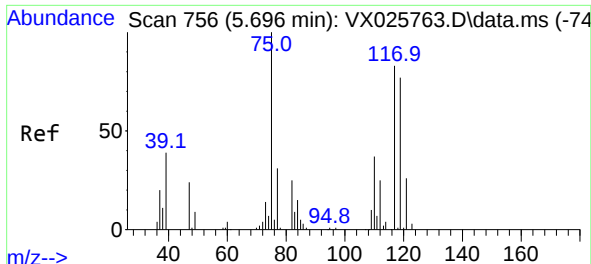
Tgt Ion:114 Resp: 237419
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.919 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion:113 Resp: 77688
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 18.5 15.0 22.4

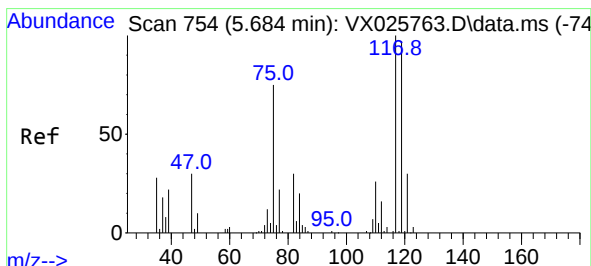
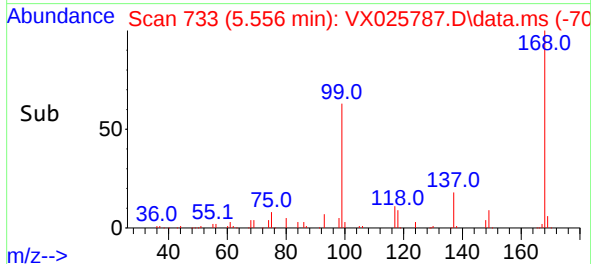
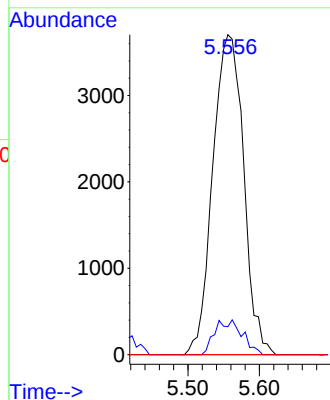
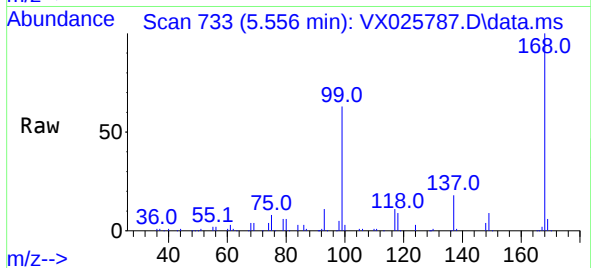




#36
1,1-Dichloropropene
Concen: 4.933 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

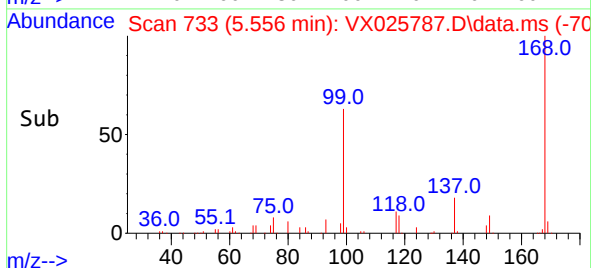
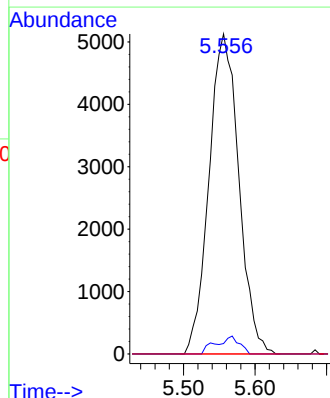
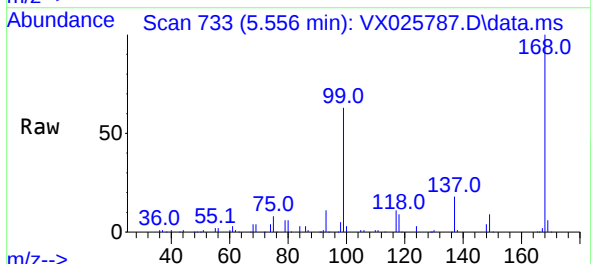
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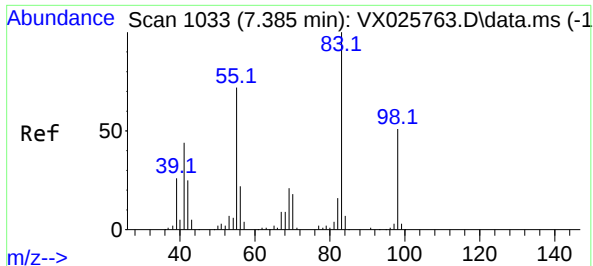
Tgt Ion: 75 Resp: 11077
Ion Ratio Lower Upper
75 100
110 9.7 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 117 Resp: 14849
Ion Ratio Lower Upper
117 100
119 3.3 77.2 115.8#
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 1.260 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX025787.D

Acq: 14 Dec 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20211207

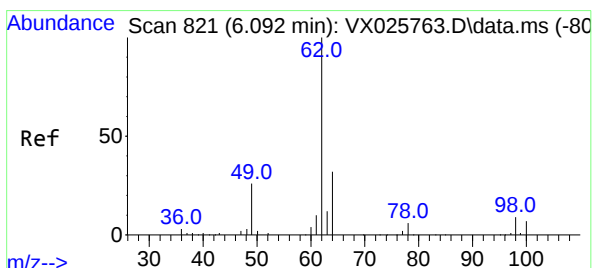
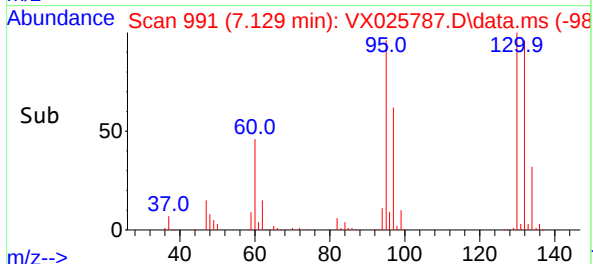
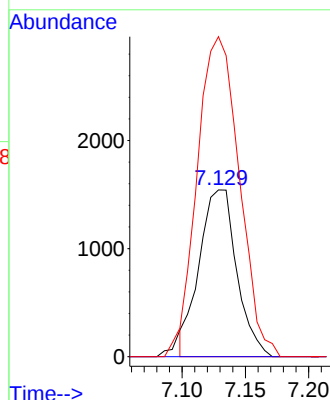
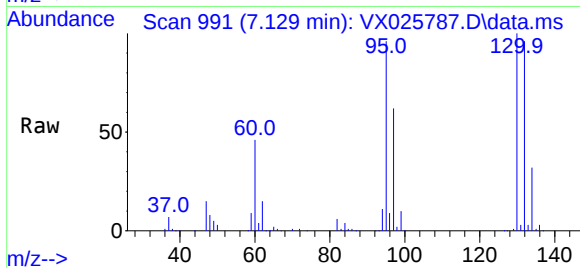
Tgt Ion: 83 Resp: 3165

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 191.9 40.5 60.7#



#42

1,2-Dichloroethane

Concen: 0.769 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.012 min

Lab File: VX025787.D

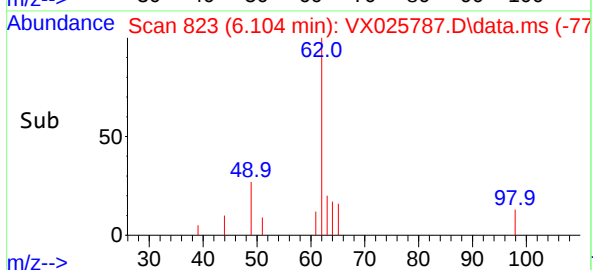
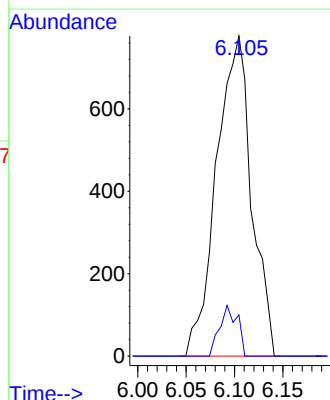
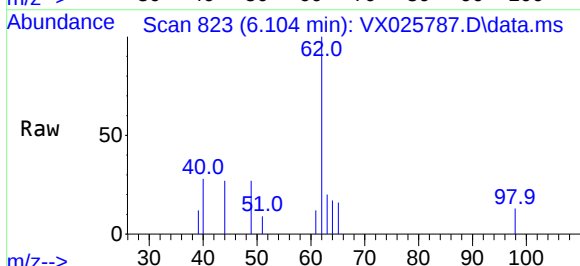
Acq: 14 Dec 2021 19:17

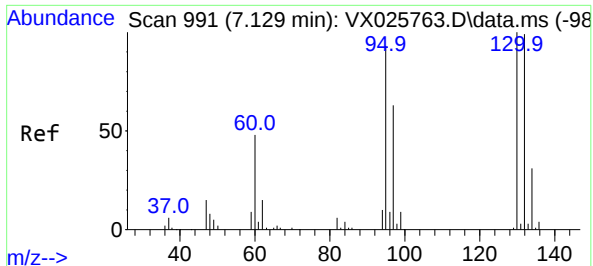
Tgt Ion: 62 Resp: 1958

Ion Ratio Lower Upper

62 100

98 8.0 0.0 18.8

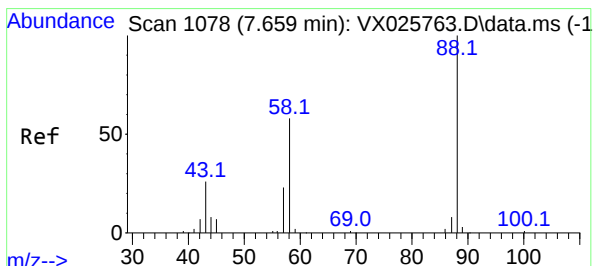
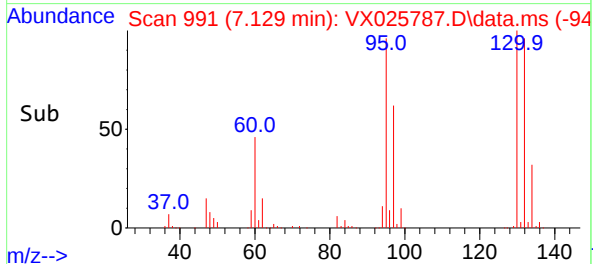
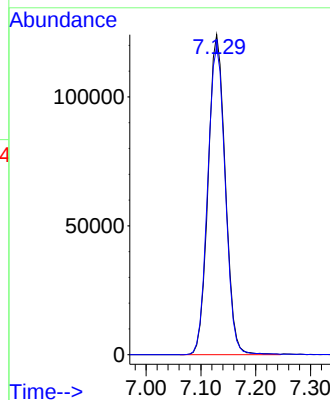
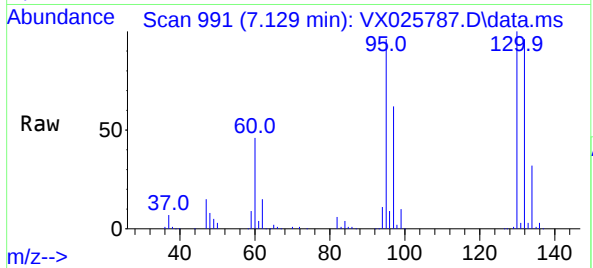




#44
Trichloroethene
Concen: 144.471 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

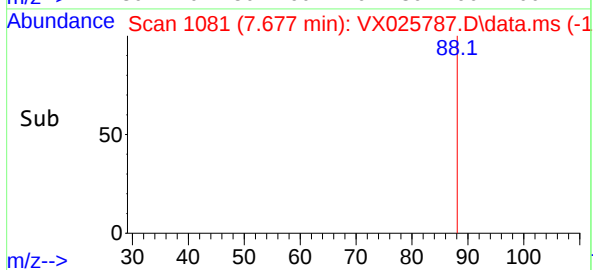
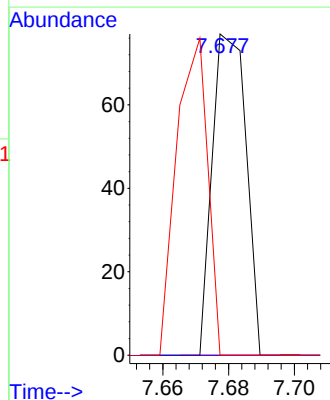
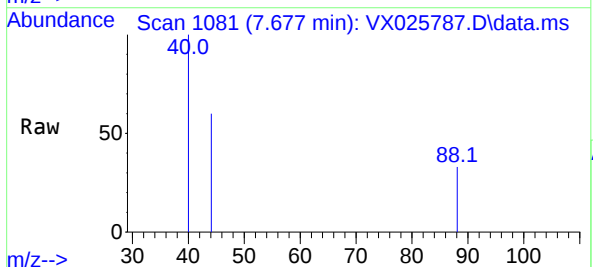
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

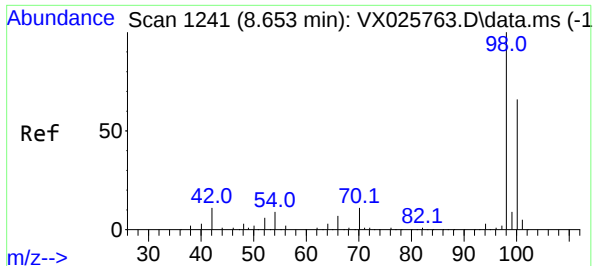
Tgt Ion:130 Resp: 269405
Ion Ratio Lower Upper
130 100
95 96.3 0.0 186.4



#49
1,4-Dioxane
Concen: 1.331 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 90.9 51.8 77.6#

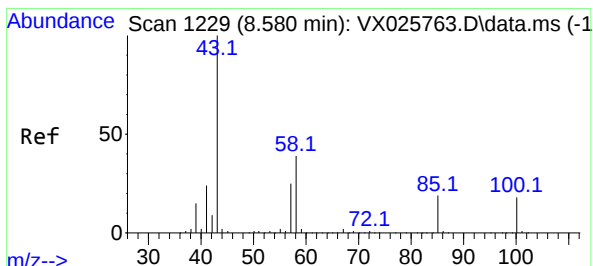
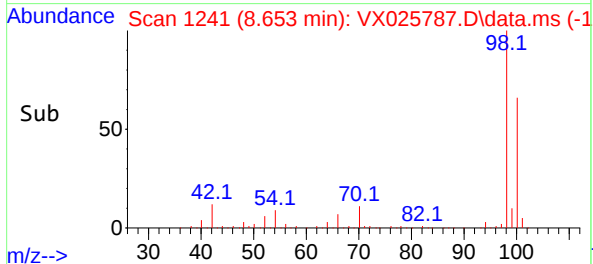
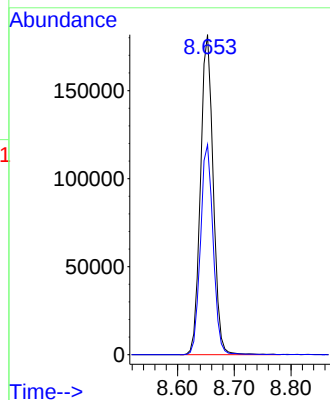
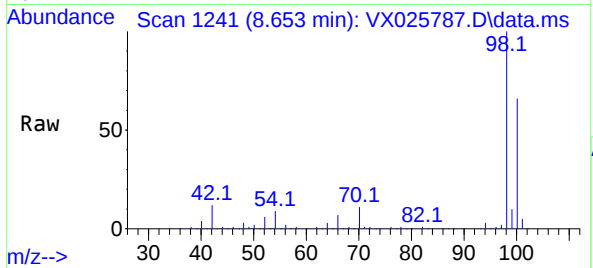




#50
Toluene-d8
Concen: 46.786 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

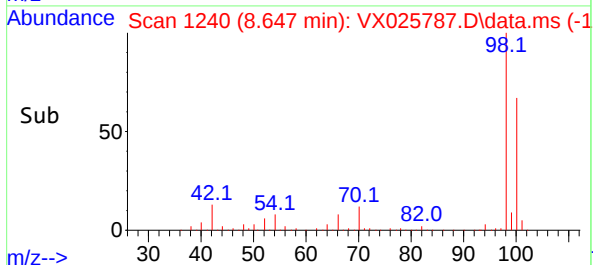
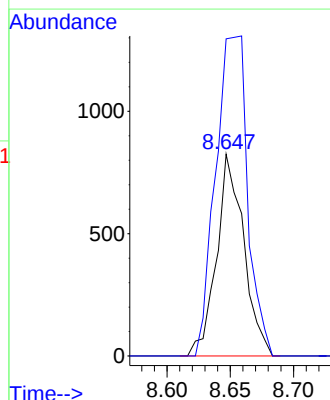
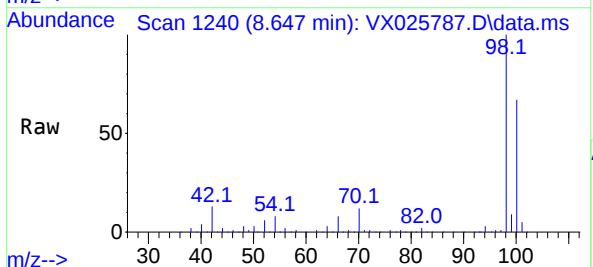
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

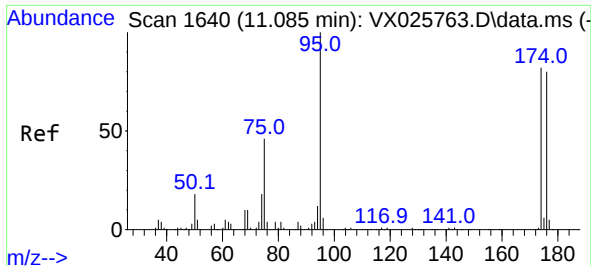
Tgt Ion: 98 Resp: 282254
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 187.4 30.8 46.2#

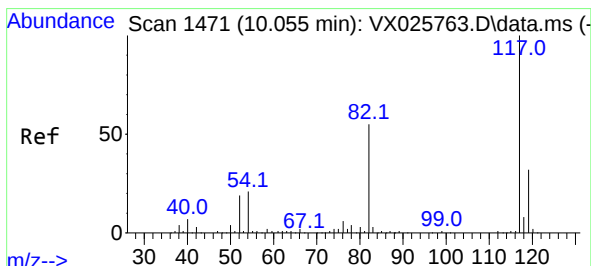
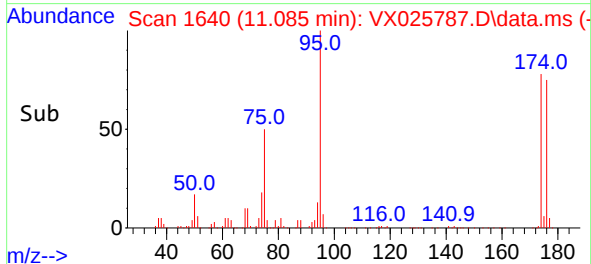
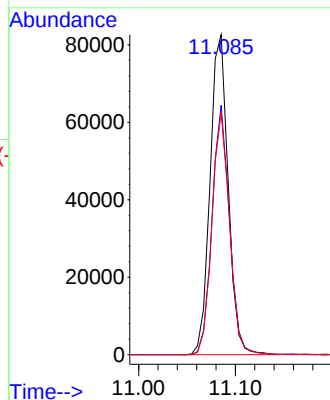
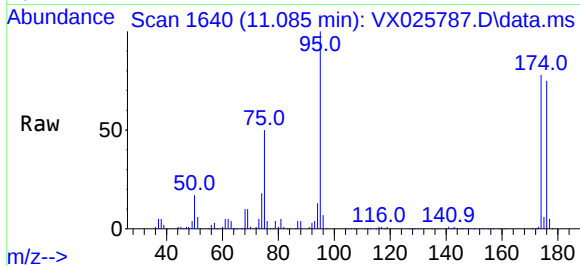




#62
4-Bromofluorobenzene
Concen: 46.906 ug/l
RT: 11.085 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

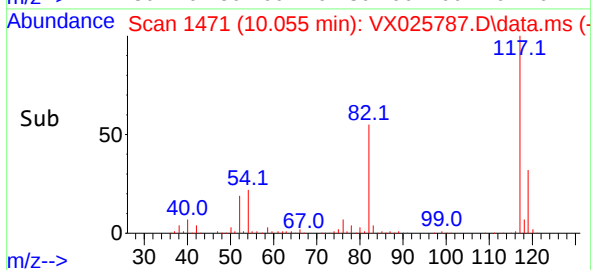
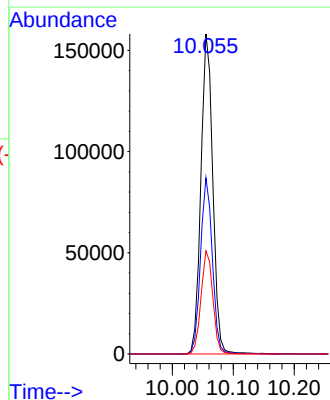
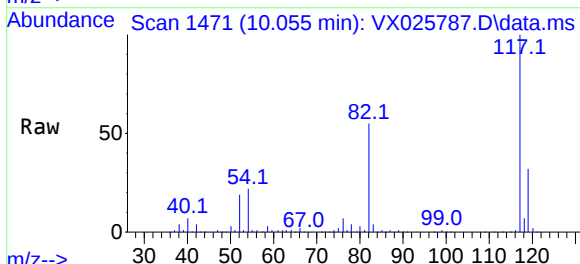
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

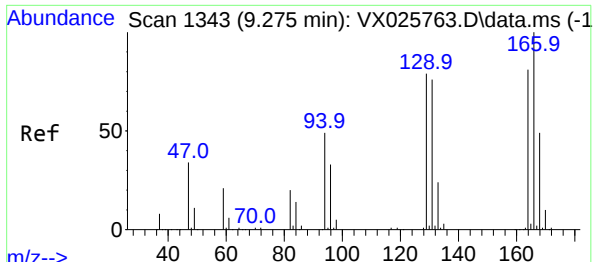
Tgt Ion: 95 Resp: 107493
Ion Ratio Lower Upper
95 100
174 74.9 0.0 157.4
176 73.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 117 Resp: 214229
Ion Ratio Lower Upper
117 100
82 55.1 43.8 65.6
119 32.2 25.2 37.8





#64

Tetrachloroethene

Concen: 0.255 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025787.D

Acq: 14 Dec 2021 19:17

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20211207

Tgt Ion:164 Resp: 436

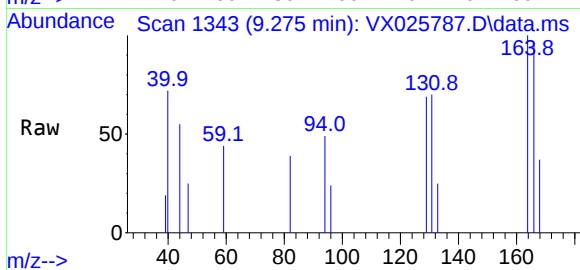
Ion Ratio Lower Upper

164 100

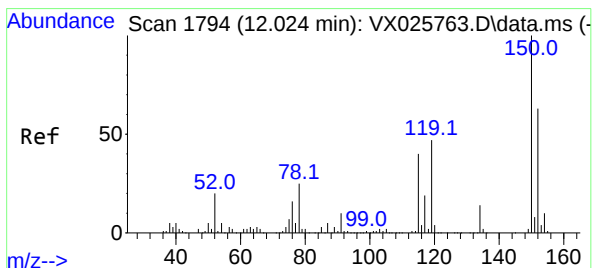
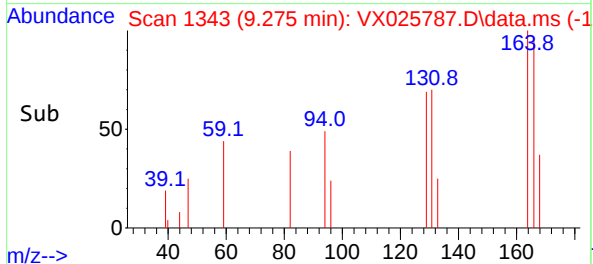
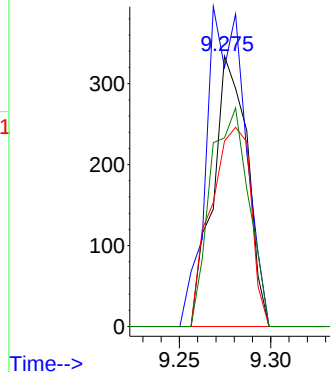
166 95.8 99.4 149.0#

129 68.6 78.6 118.0#

131 69.8 75.4 113.0#



Abundance



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX025787.D

Acq: 14 Dec 2021 19:17

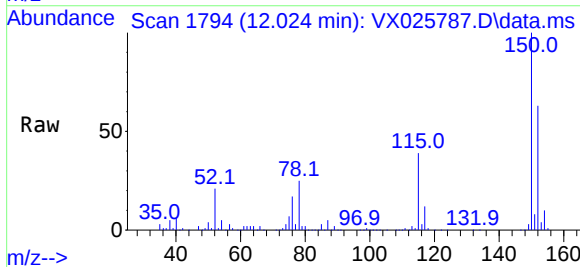
Tgt Ion:152 Resp: 89726

Ion Ratio Lower Upper

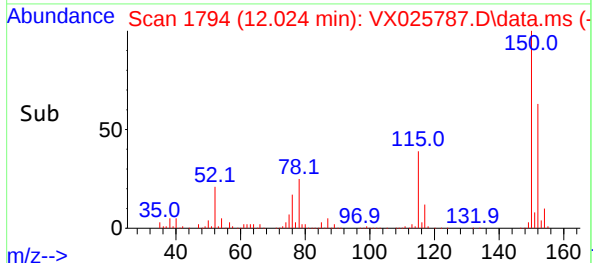
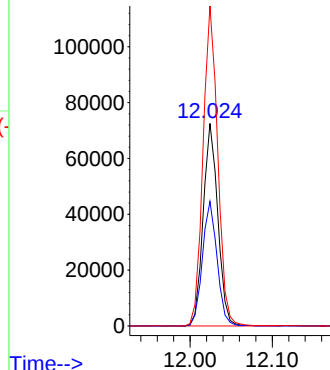
152 100

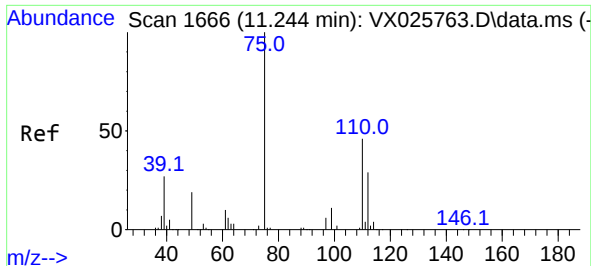
115 61.4 41.3 123.9

150 158.4 0.0 351.8



Abundance

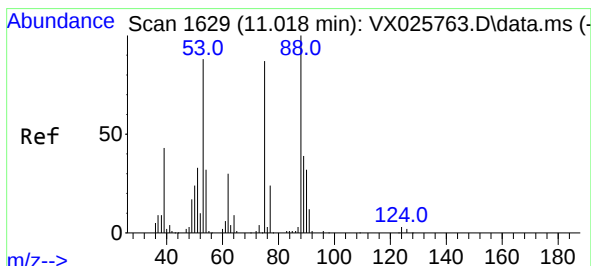
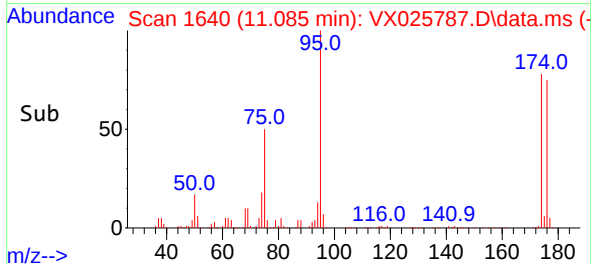
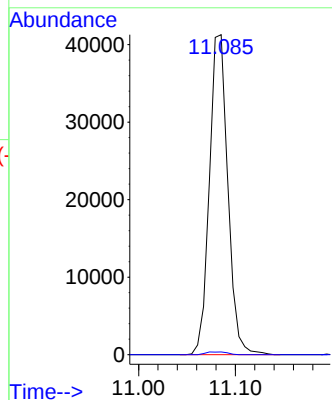
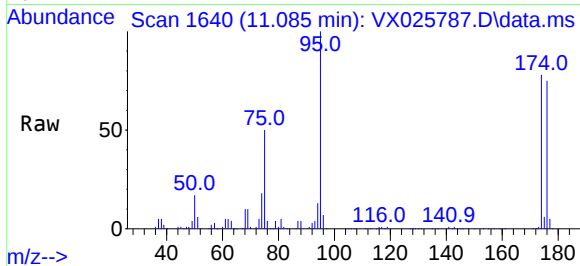




#76
1,2,3-Trichloropropane
Concen: 26.659 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20211207

Tgt Ion: 75 Resp: 54805
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.650 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025787.D
Acq: 14 Dec 2021 19:17

Tgt Ion: 75 Resp: 54805
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

