

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025788.D
 Acq On : 14 Dec 2021 19:40
 Operator : JC/MD
 Sample : M4988-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 07:09:03 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	134387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92528	47.853	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.700%
35) Dibromofluoromethane	5.391	113	75838	46.335	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	8.653	98	275173	46.143	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.280%
62) 4-Bromofluorobenzene	11.085	95	104119	45.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.920%

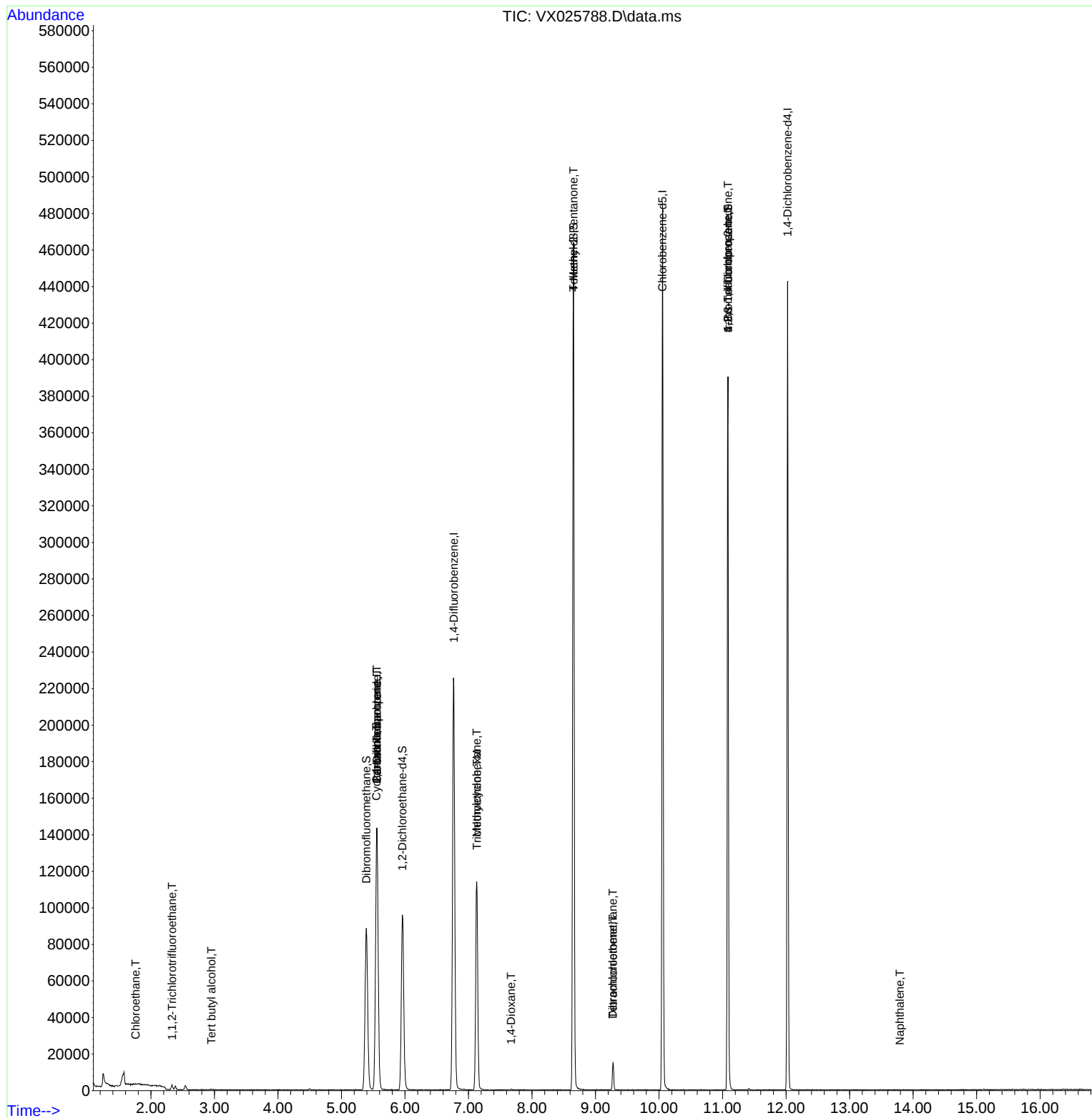
Target Compounds					Qvalue	
6) Chloroethane	1.758	64	355	0.294	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	954	0.667	ug/l	94
11) Tert butyl alcohol	2.953	59	232	0.598	ug/l #	73
16) Acetone	2.386	43	1906	Below Cal		97
20) Methylene Chloride	2.794	84	55	Below Cal	#	51
31) Cyclohexane	5.550	56	2866	1.219	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	10701	4.821	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14063	5.445	ug/l #	16
39) Methylcyclohexane	7.129	83	605	0.244	ug/l #	1
44) Trichloroethene	7.135	130	45713	24.799	ug/l	96
49) 1,4-Dioxane	7.671	88	313	7.663	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	1367	0.526	ug/l #	1
60) Dibromochloromethane	9.275	129	2762	1.345	ug/l #	11
64) Tetrachloroethene	9.275	164	2769	1.650	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	53201	26.696	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53201	82.765	ug/l #	10
95) Naphthalene	13.792	128	25	2.415	ug/l #	69

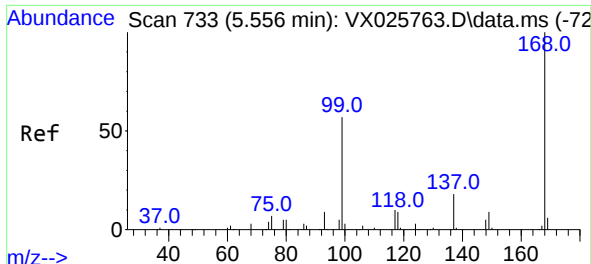
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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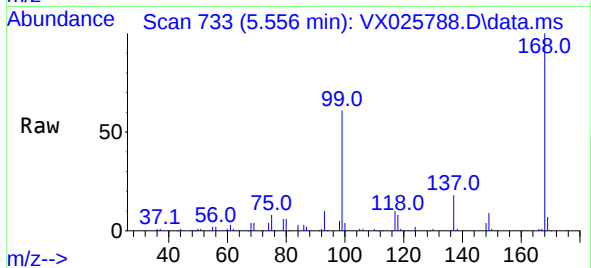
Quant Time: Dec 15 07:09:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



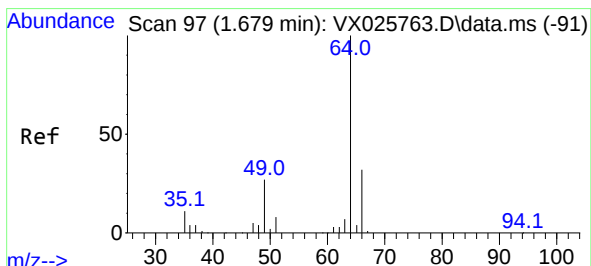
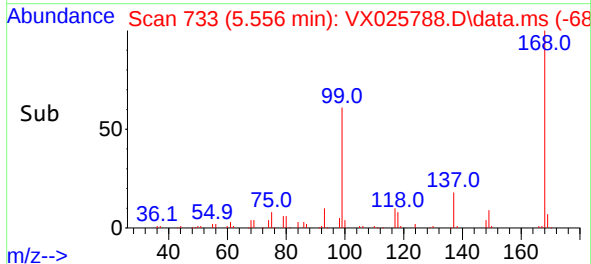
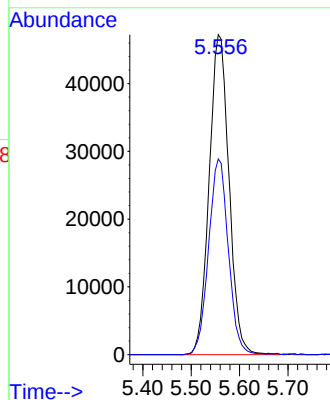


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :

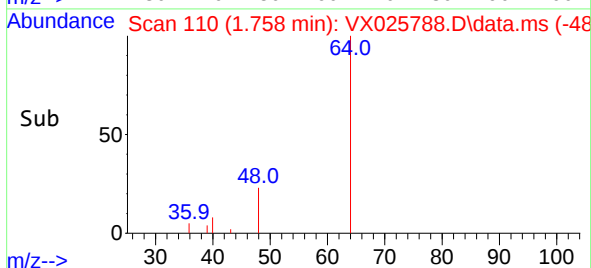
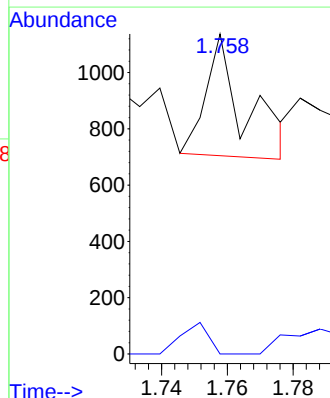
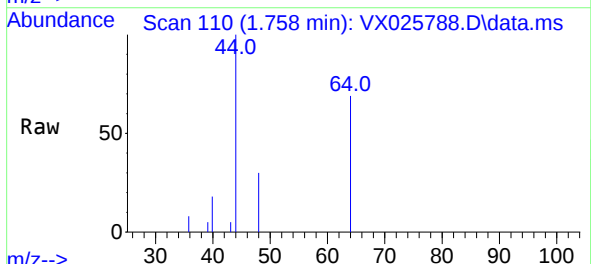


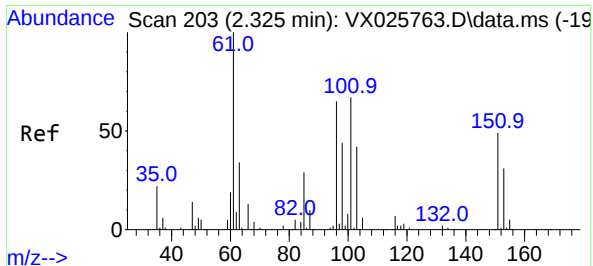
Tgt Ion:168 Resp: 134387
Ion Ratio Lower Upper
168 100
99 61.1 45.8 68.8



#6
Chloroethane
Concen: 0.294 ug/l
RT: 1.758 min Scan# 110
Delta R.T. 0.079 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

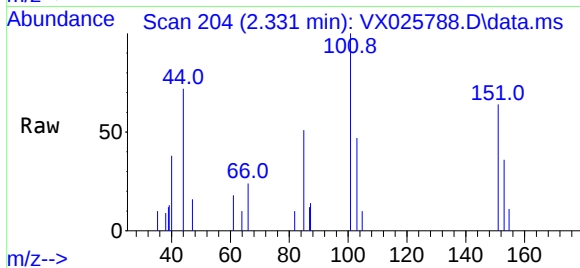
Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



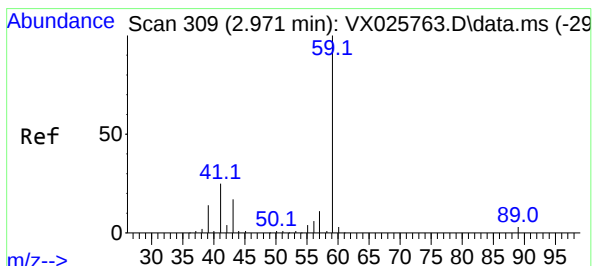
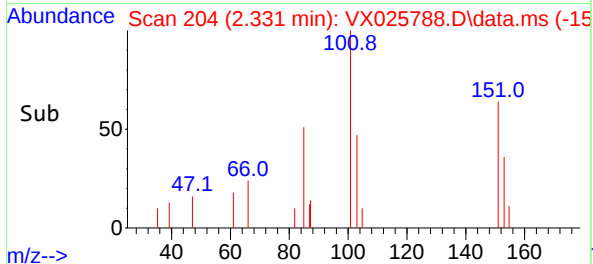
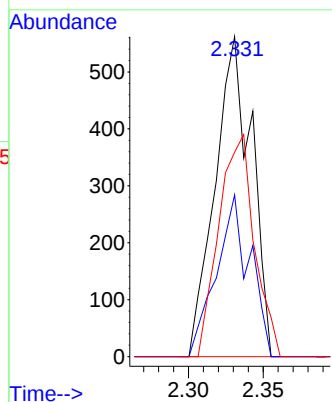


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.667 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :

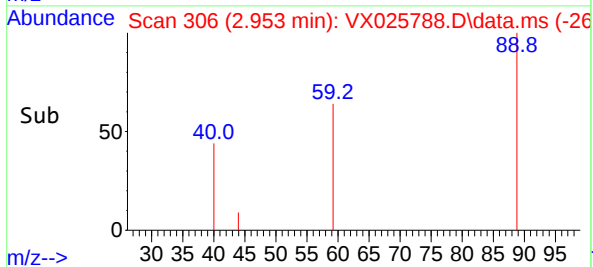
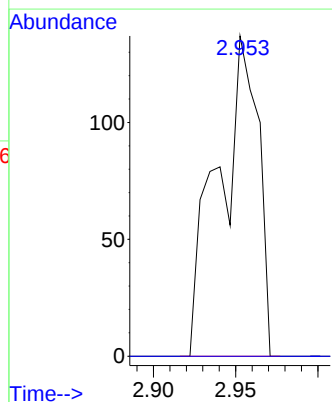
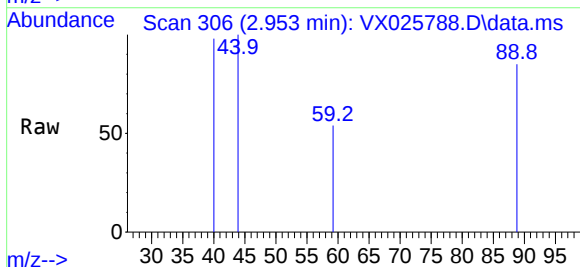


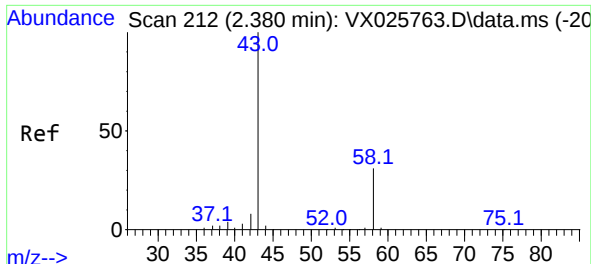
Tgt Ion:101 Resp: 954
Ion Ratio Lower Upper
101 100
85 46.3 36.5 54.7
151 67.6 60.6 90.8



#11
Tert butyl alcohol
Concen: 0.598 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

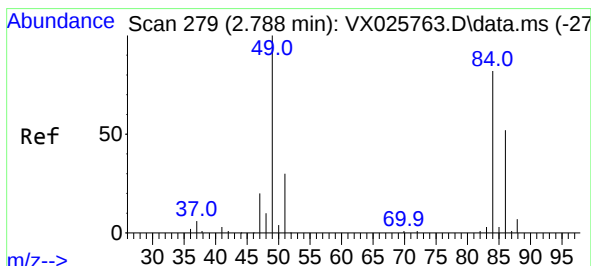
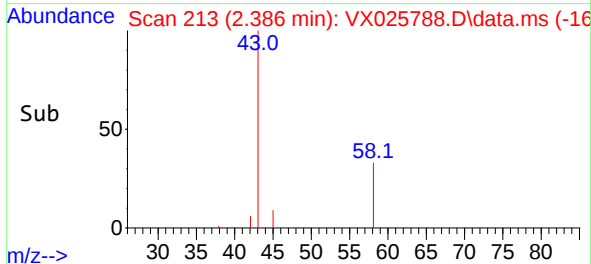
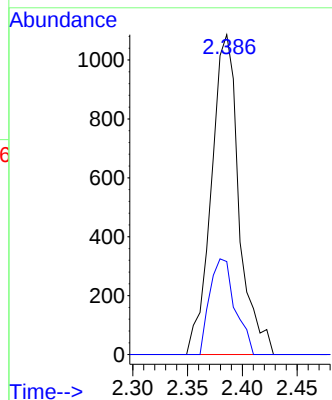
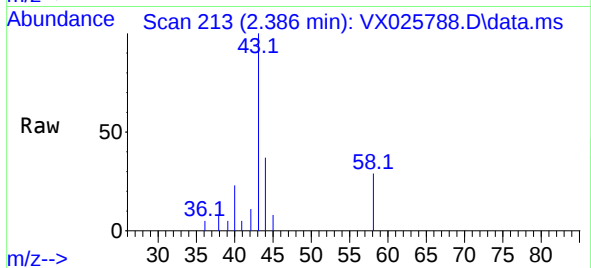




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

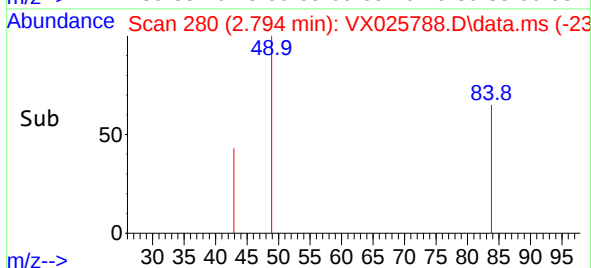
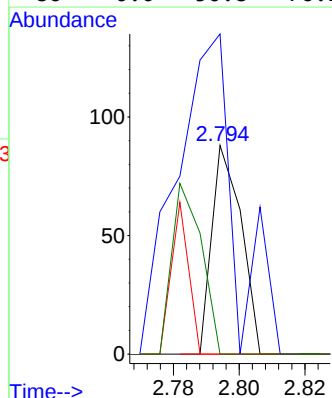
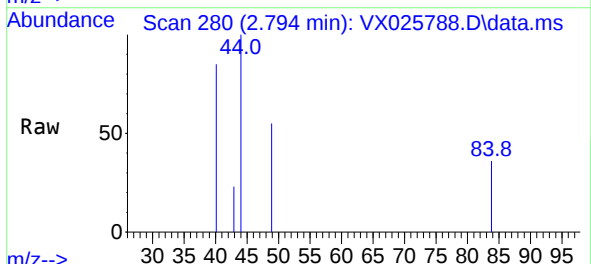
Instrument :
MSVOA_X
ClientSampleId :

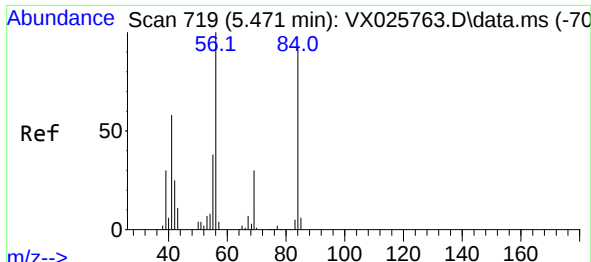
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 29.1 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

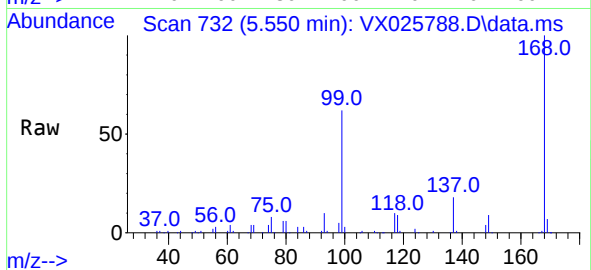
Tgt Ion: 84 Resp: 55
Ion Ratio Lower Upper
84 100
49 153.4 97.1 145.7#
51 0.0 29.3 43.9#
86 0.0 50.8 76.2#



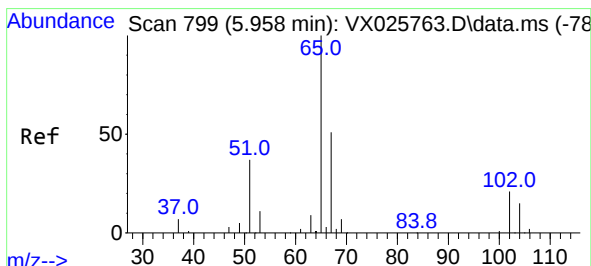
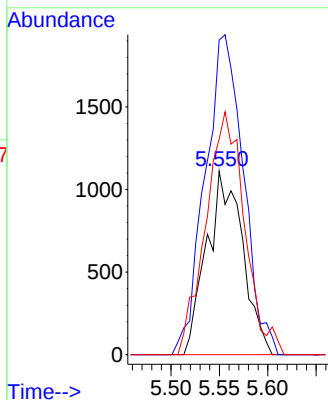
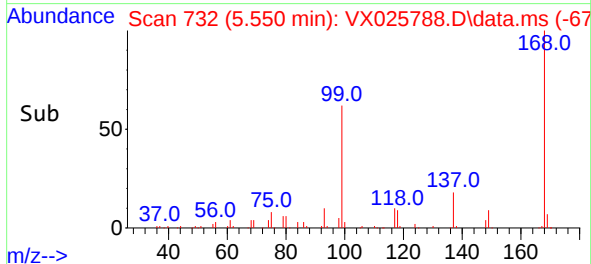


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :

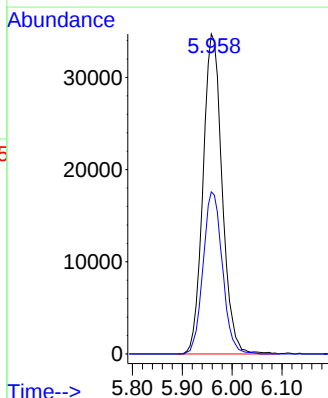
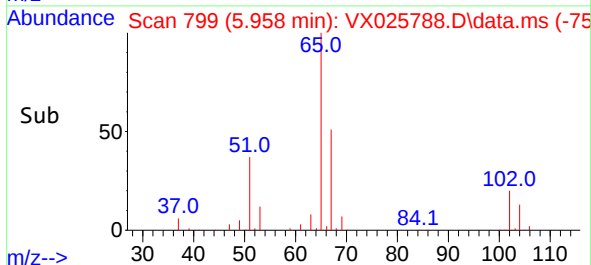
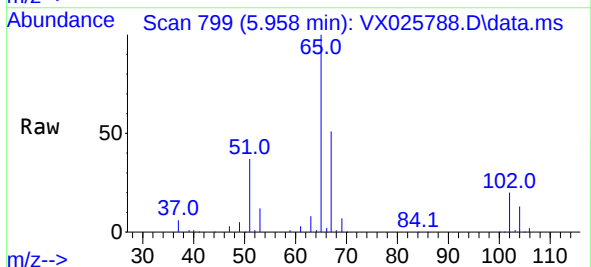


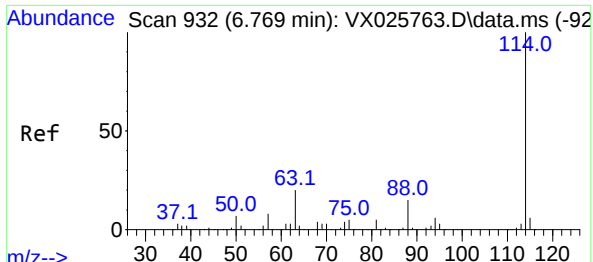
Tgt Ion: 56 Resp: 2866
Ion Ratio Lower Upper
56 100
69 171.3 23.9 35.9#
84 117.4 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.853 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

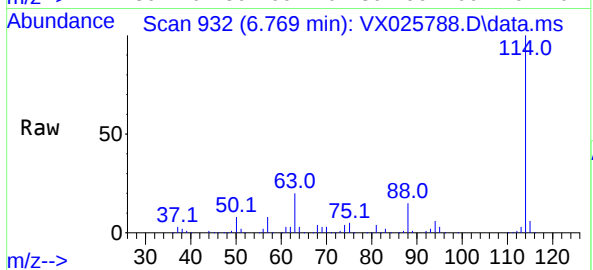
Tgt Ion: 65 Resp: 92528
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4



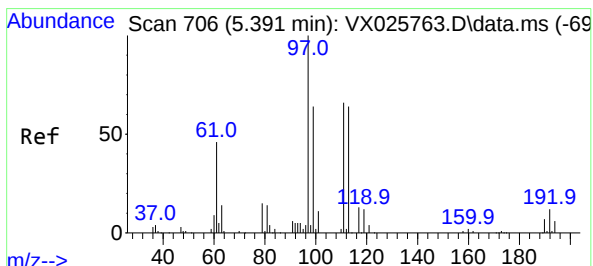
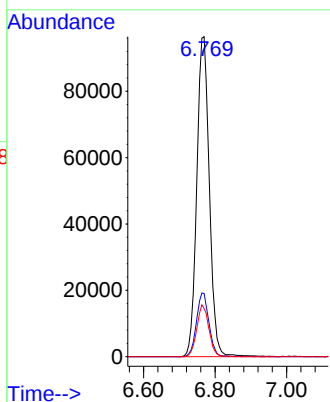
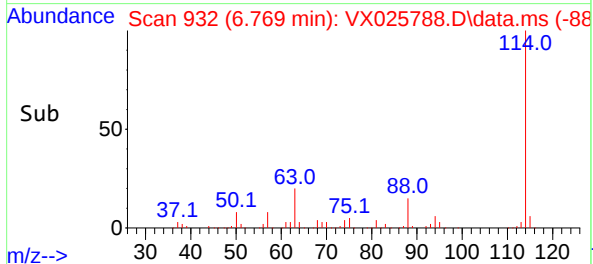


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :

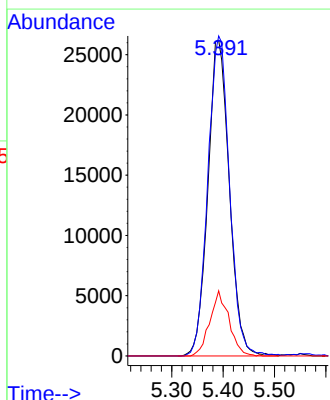
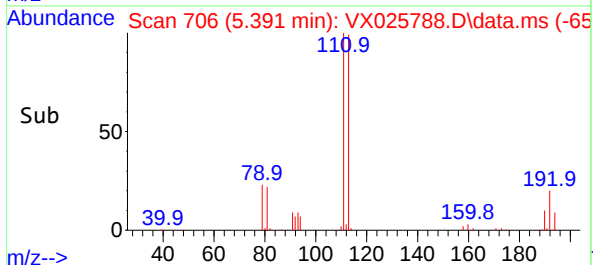
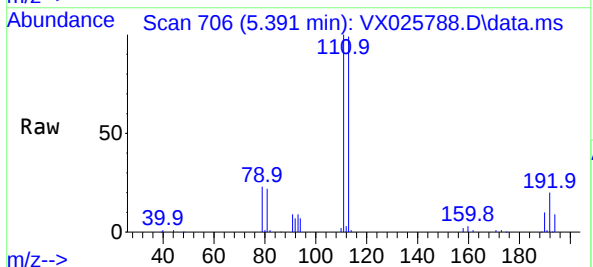


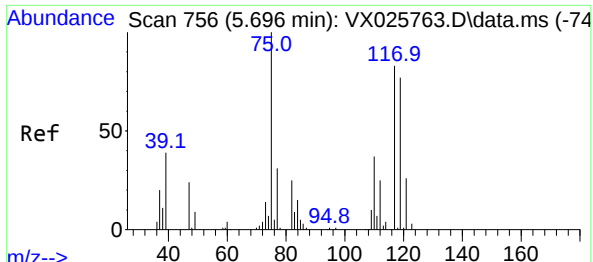
Tgt Ion:114 Resp: 234689
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.335 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

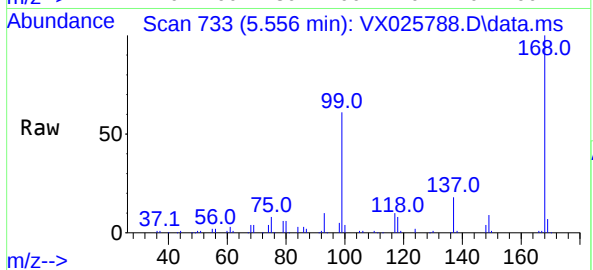
Tgt Ion:113 Resp: 75838
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 18.5 15.0 22.4



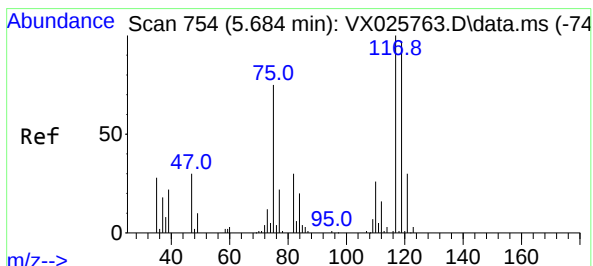
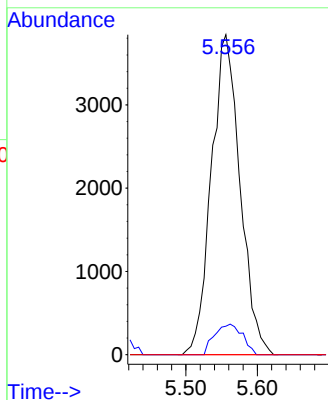
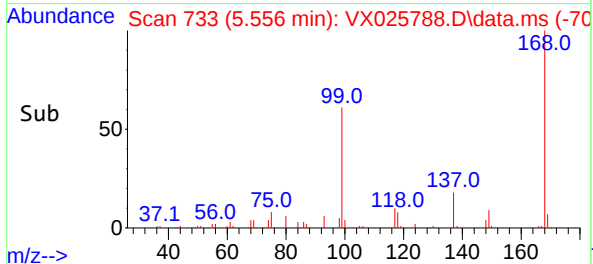


#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

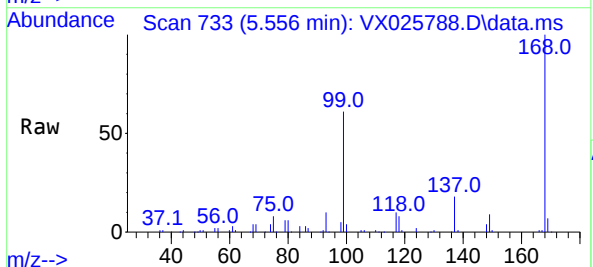
Instrument :
MSVOA_X
ClientSampleId :



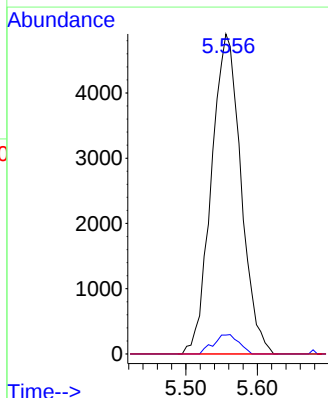
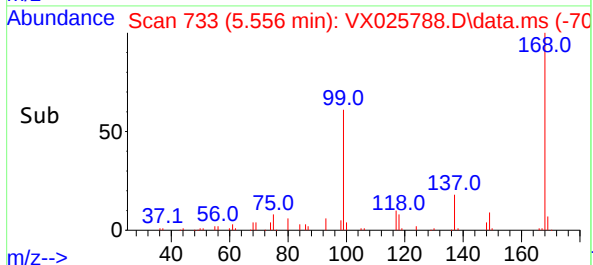
Tgt Ion: 75 Resp: 10701
Ion Ratio Lower Upper
75 100
110 9.3 18.2 54.6#
77 0.0 24.7 37.1#

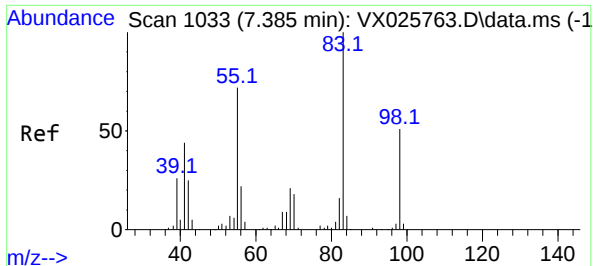


#38
Carbon Tetrachloride
Concen: 5.445 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40



Tgt Ion: 117 Resp: 14063
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 0.244 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025788.D

Acq: 14 Dec 2021 19:40

Instrument :

MSVOA_X

ClientSampleId :

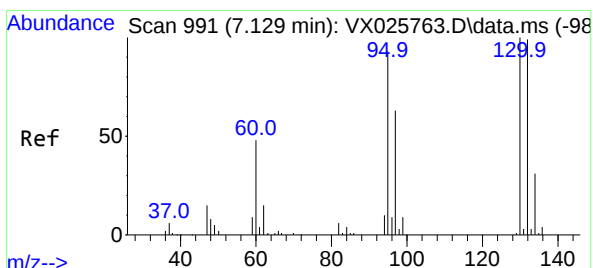
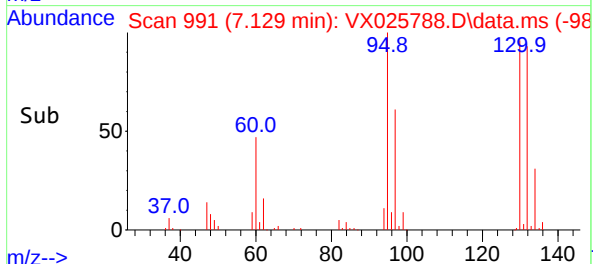
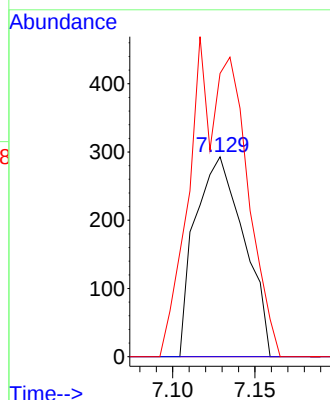
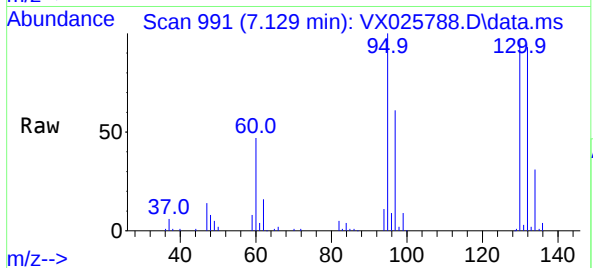
Tgt Ion: 83 Resp: 605

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 141.6 40.5 60.7#



#44

Trichloroethene

Concen: 24.799 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX025788.D

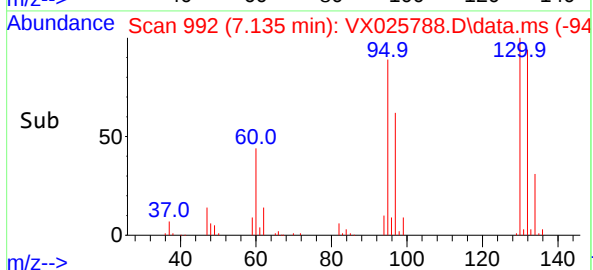
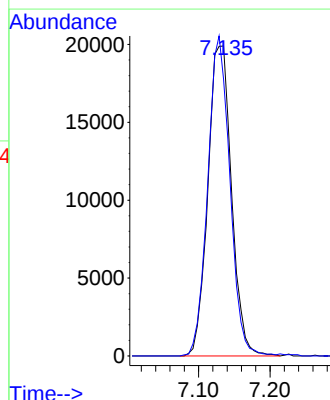
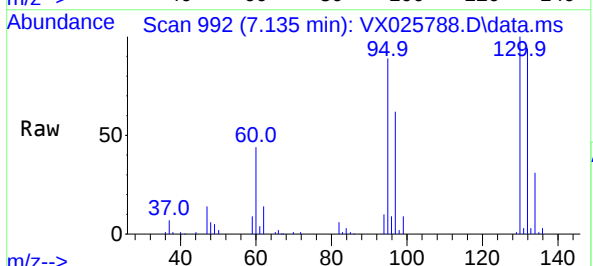
Acq: 14 Dec 2021 19:40

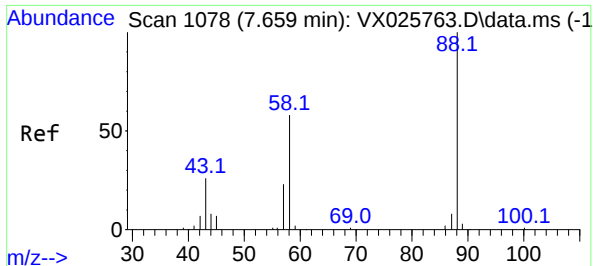
Tgt Ion:130 Resp: 45713

Ion Ratio Lower Upper

130 100

95 89.3 0.0 186.4





#49

1,4-Dioxane

Concen: 7.663 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX025788.D

Acq: 14 Dec 2021 19:40

Instrument :

MSVOA_X

ClientSampleId :

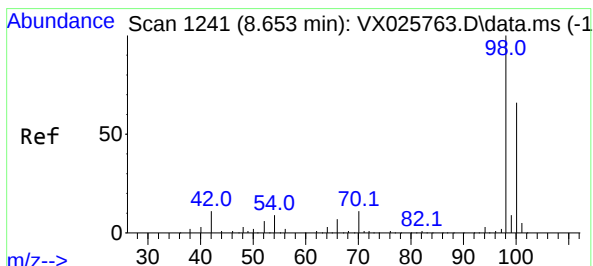
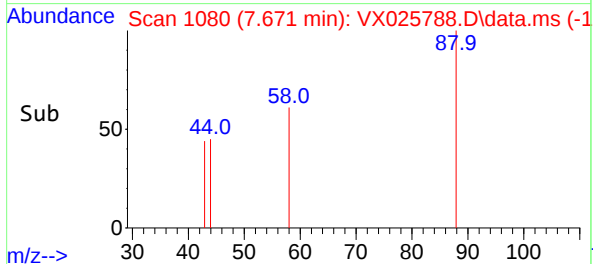
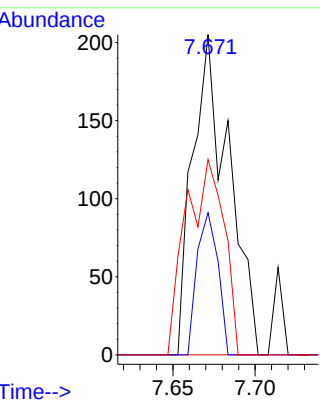
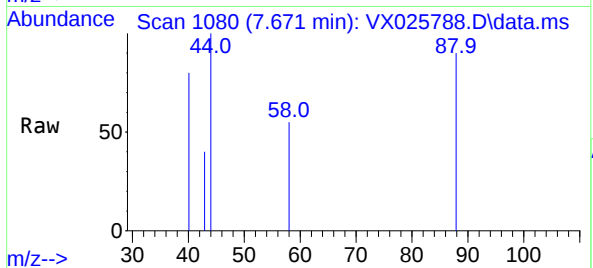
Tgt Ion: 88 Resp: 313

Ion Ratio Lower Upper

88 100

43 25.6 25.3 37.9

58 64.5 51.8 77.6



#50

Toluene-d8

Concen: 46.143 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025788.D

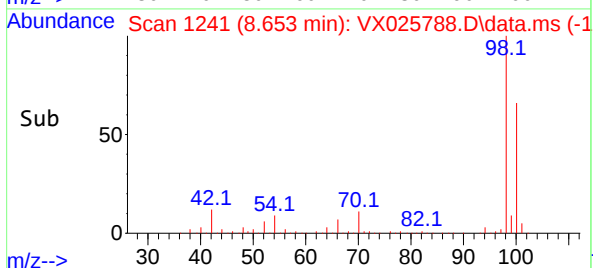
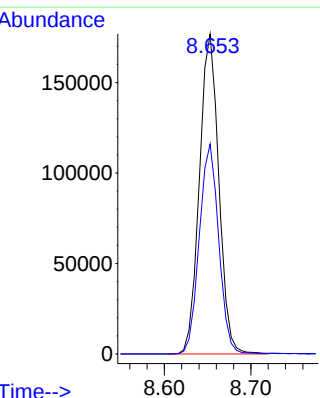
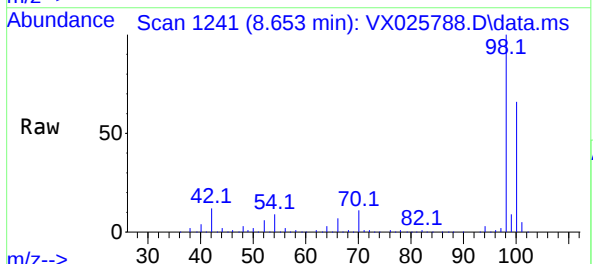
Acq: 14 Dec 2021 19:40

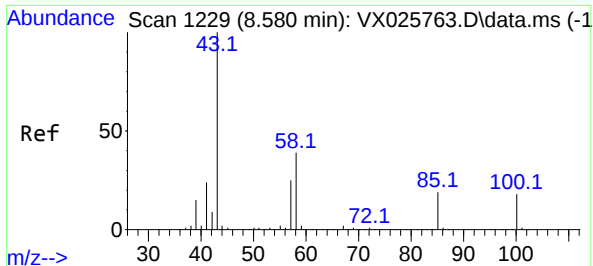
Tgt Ion: 98 Resp: 275173

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8

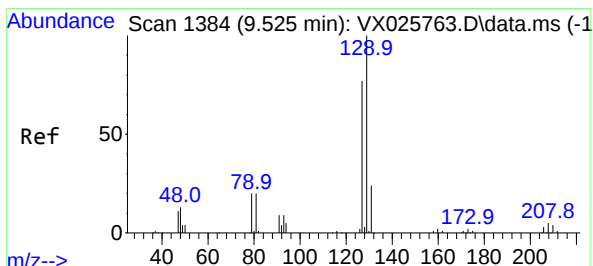
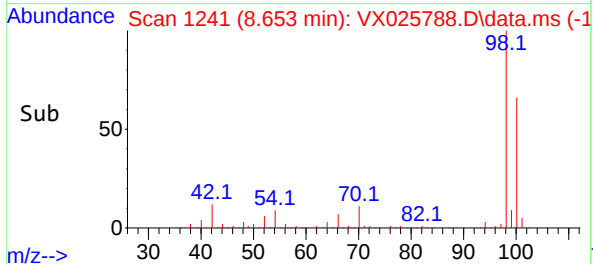
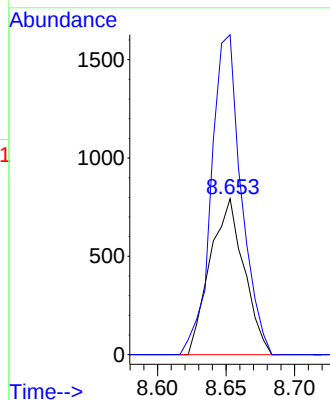
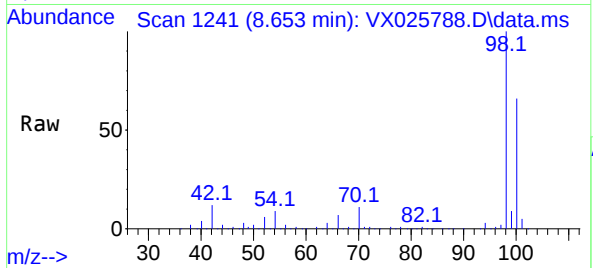




#51
4-Methyl-2-Pentanone
Concen: 0.526 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

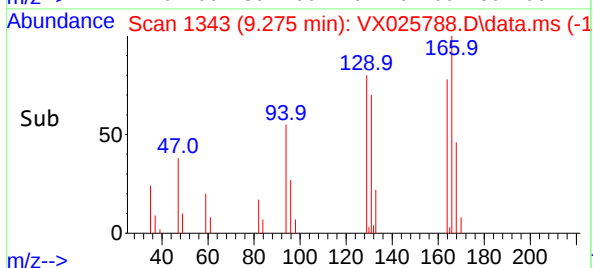
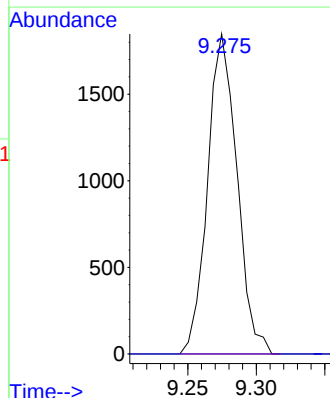
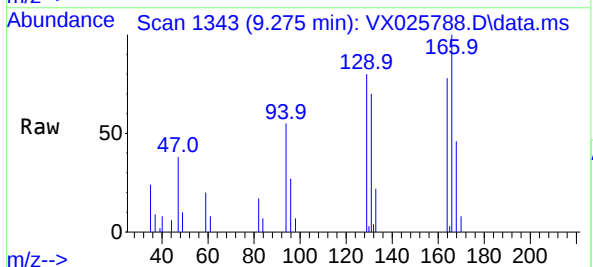
Instrument :
MSVOA_X
ClientSampleId :

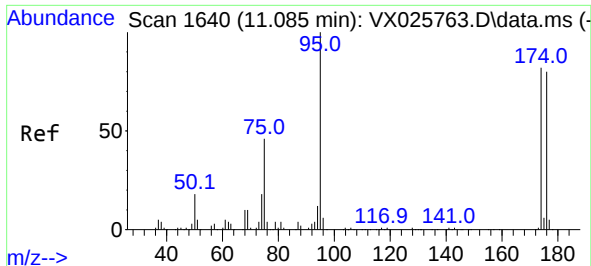
Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 181.6 30.8 46.2#



#60
Dibromochloromethane
Concen: 1.345 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Tgt Ion: 129 Resp: 2762
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

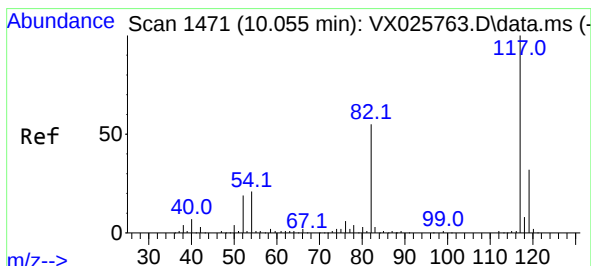
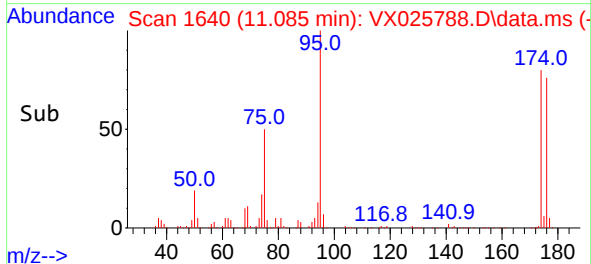
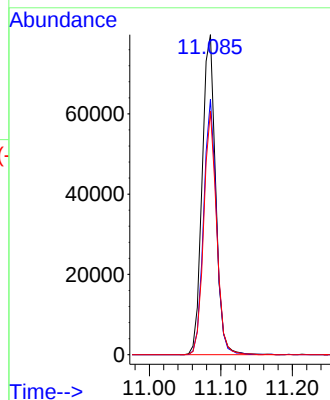
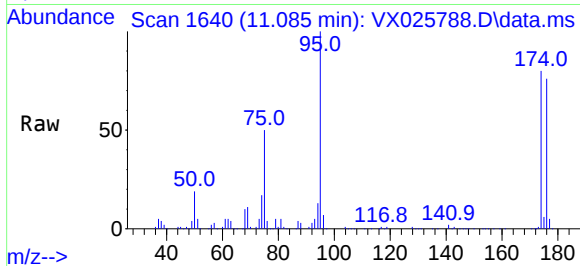




#62
4-Bromofluorobenzene
Concen: 45.962 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

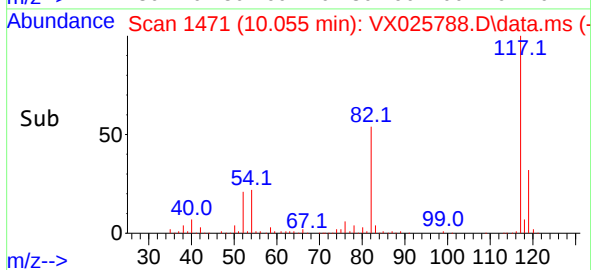
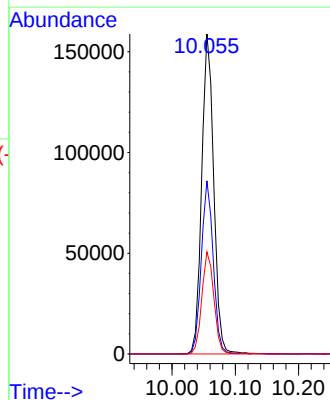
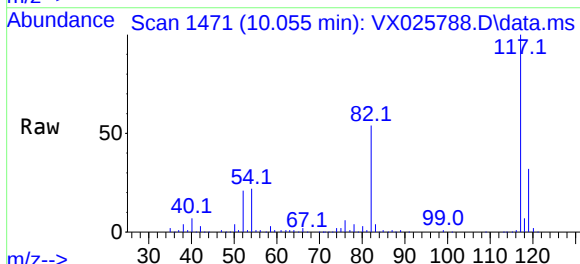
Instrument :
MSVOA_X
ClientSampleId :

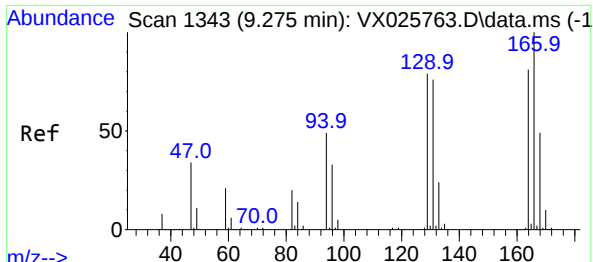
Tgt Ion: 95 Resp: 104119
Ion Ratio Lower Upper
95 100
174 75.9 0.0 157.4
176 72.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

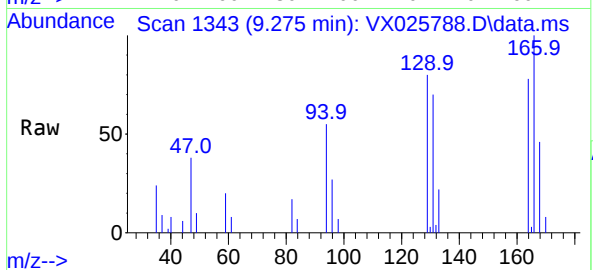
Tgt Ion: 117 Resp: 210334
Ion Ratio Lower Upper
117 100
82 54.1 43.8 65.6
119 31.9 25.2 37.8





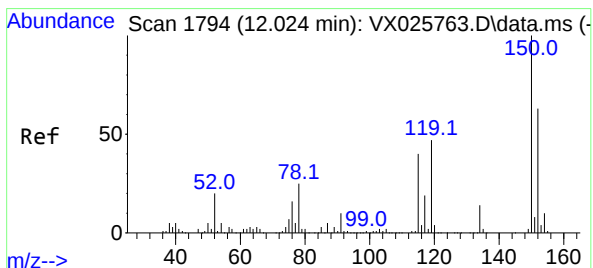
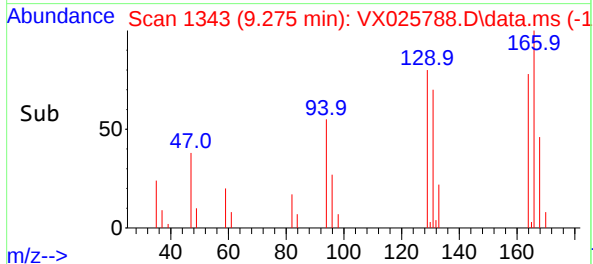
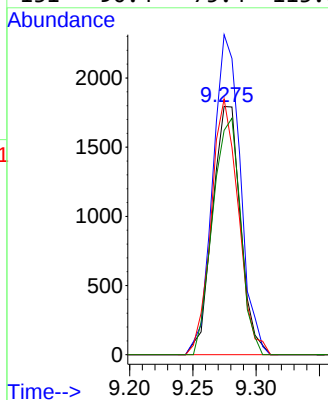
#64
Tetrachloroethene
Concen: 1.650 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:164 Resp: 2769

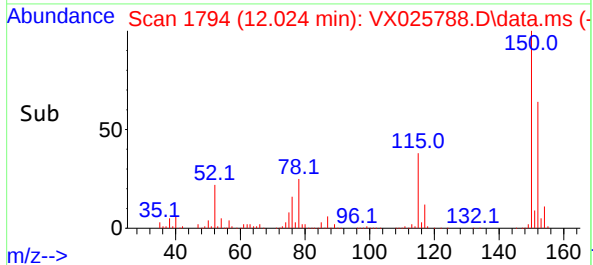
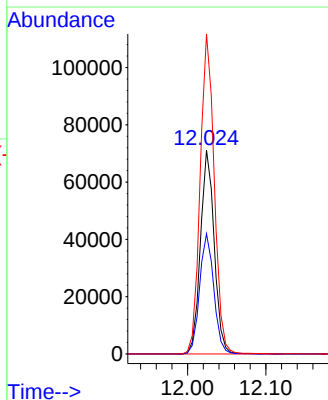
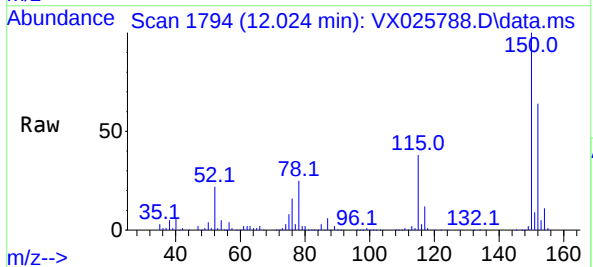
Ion	Ratio	Lower	Upper
164	100		
166	128.9	99.4	149.0
129	103.0	78.6	118.0
131	90.4	75.4	113.0

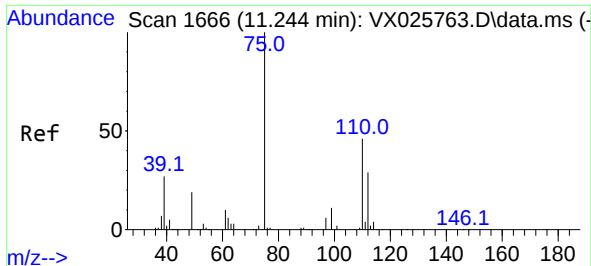


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Tgt Ion:152 Resp: 86979

Ion	Ratio	Lower	Upper
152	100		
115	60.6	41.3	123.9
150	160.4	0.0	351.8

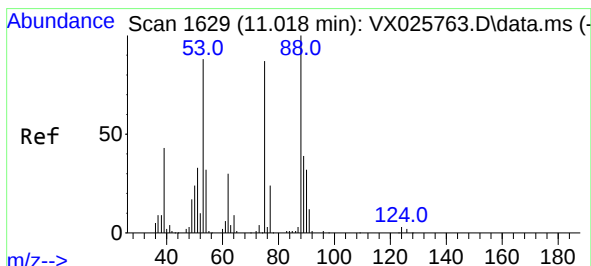
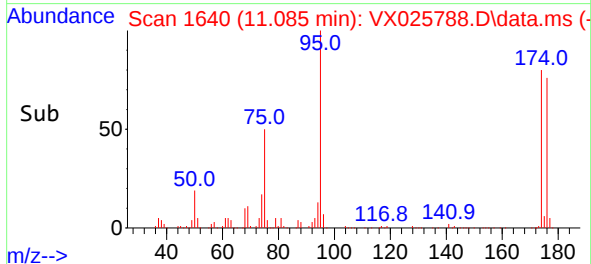
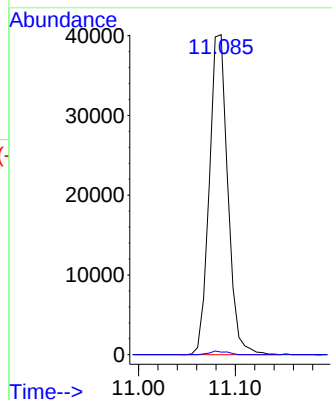
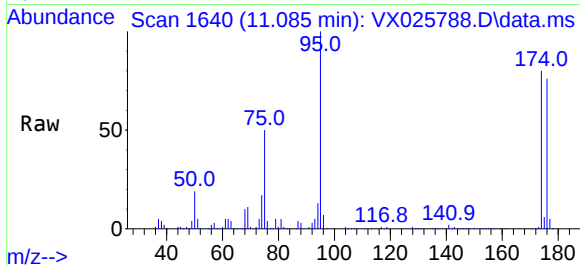




#76
1,2,3-Trichloropropane
Concen: 26.696 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

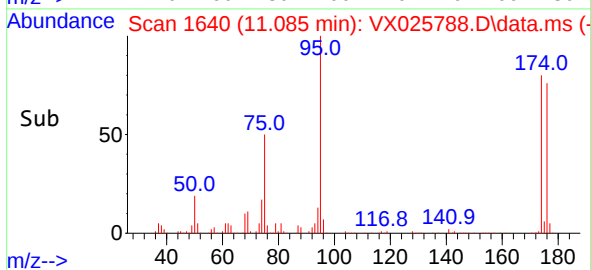
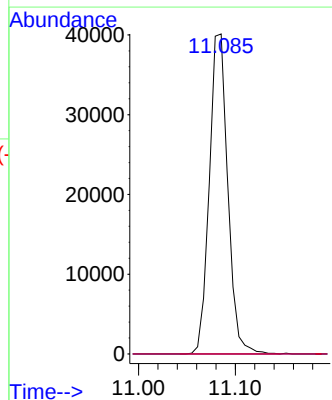
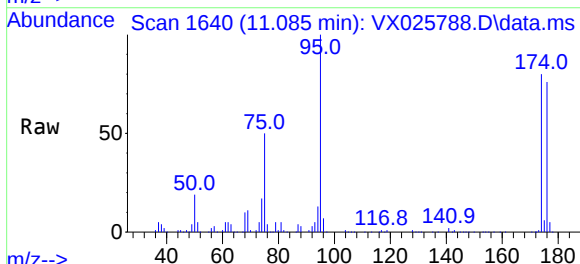
Instrument :
MSVOA_X
ClientSampleId :

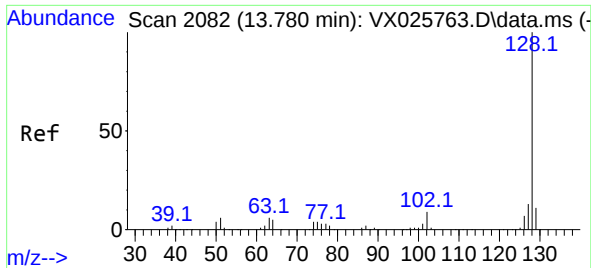
Tgt Ion: 75 Resp: 53201
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.765 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Tgt Ion: 75 Resp: 53201
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.415 ug/l
RT: 13.792 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX025788.D
Acq: 14 Dec 2021 19:40

Instrument :
MSVOA_X
ClientSampleId :

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

