

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025780.D
 Acq On : 14 Dec 2021 16:33
 Operator : JC/MD
 Sample : M4988-12 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 07:05:44 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	132565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85646	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89015	46.669	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.340%
35) Dibromofluoromethane	5.385	113	74199	46.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.940%
50) Toluene-d8	8.653	98	270865	46.558	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.120%
62) 4-Bromofluorobenzene	11.085	95	103887	47.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.020%

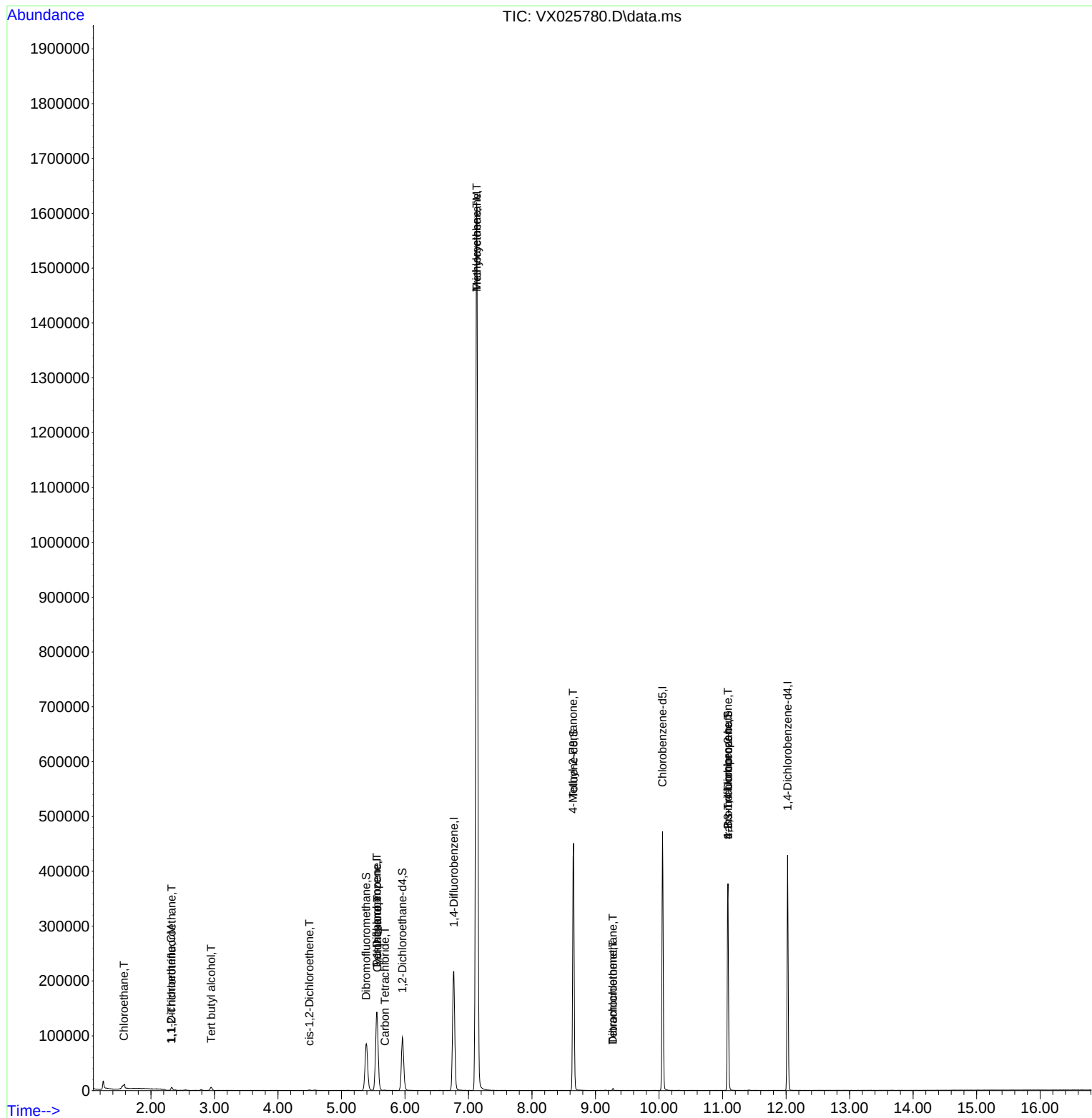
Target Compounds					Qvalue	
6) Chloroethane	1.575	64	2653	2.231	ug/l #	60
9) 1,1,2-Trichlorotrifluo...	2.325	101	1667	1.181	ug/l	94
11) Tert butyl alcohol	2.946	59	3444	9.001	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	557	0.397	ug/l	82
16) Acetone	2.386	43	930	Below Cal		97
20) Methylene Chloride	2.794	84	757	Below Cal		87
27) cis-1,2-Dichloroethene	4.495	96	531	0.286	ug/l	86
31) Cyclohexane	5.562	56	3080	1.328	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	10930	5.048	ug/l #	46
38) Carbon Tetrachloride	5.684	117	513	0.204	ug/l #	51
39) Methylcyclohexane	7.129	83	7648	3.157	ug/l #	1
44) Trichloroethene	7.129	130	631700	351.279	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	1344	0.530	ug/l #	1
60) Dibromochloromethane	9.275	129	527	0.263	ug/l #	11
64) Tetrachloroethene	9.275	164	556	0.335	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	53648	27.339	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53648	84.759	ug/l #	10

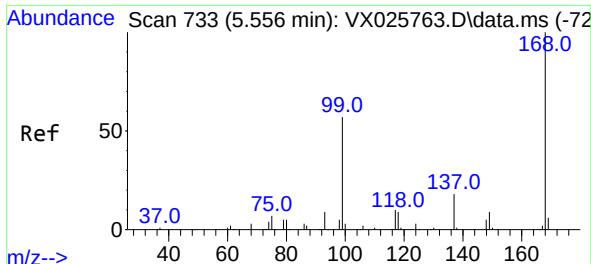
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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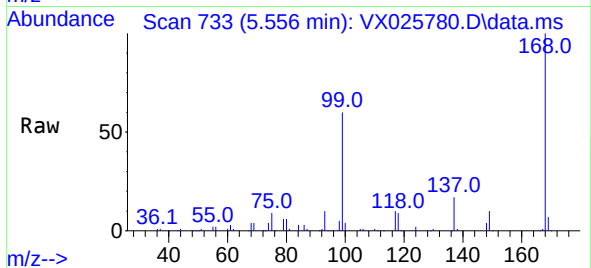
Quant Time: Dec 15 07:05:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



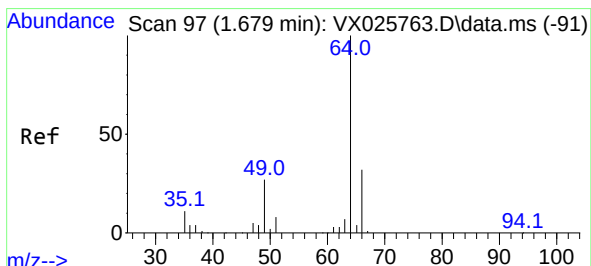
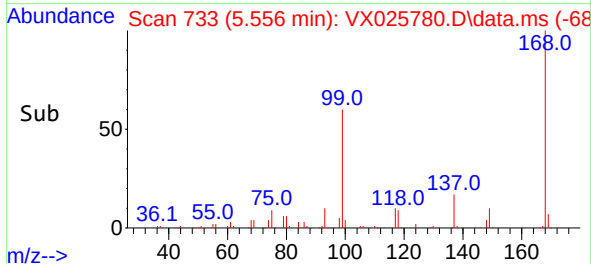
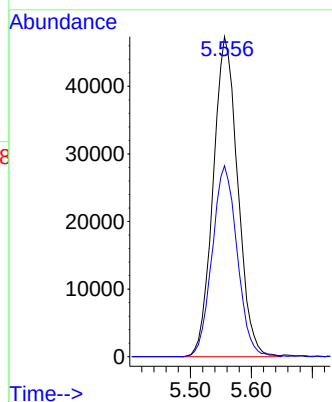


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

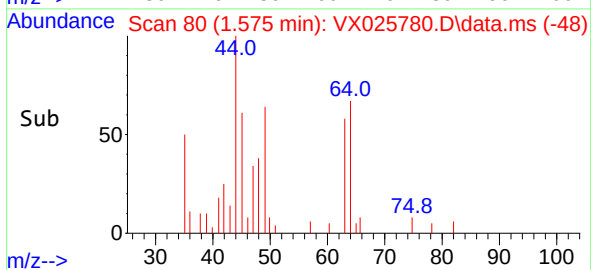
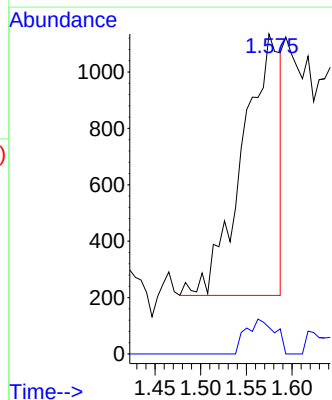
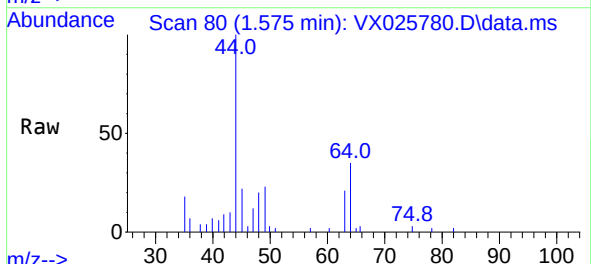


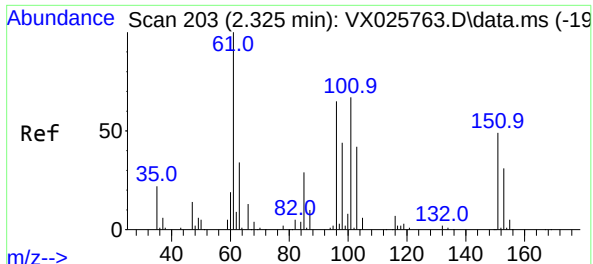
Tgt Ion:168 Resp: 132565
Ion Ratio Lower Upper
168 100
99 59.7 45.8 68.8



#6
Chloroethane
Concen: 2.231 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.104 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

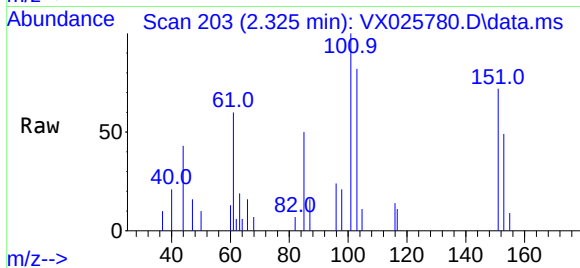
Tgt Ion: 64 Resp: 2653
Ion Ratio Lower Upper
64 100
66 10.1 25.9 38.9#



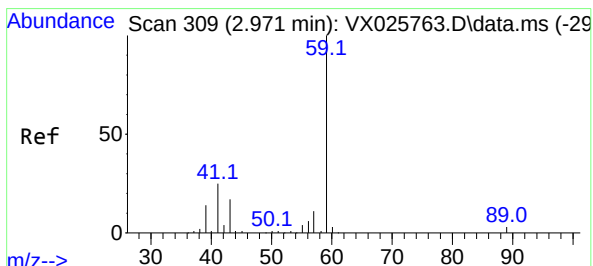
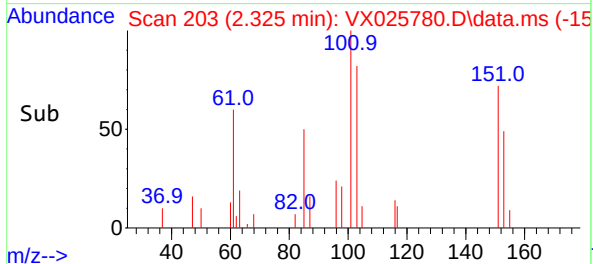
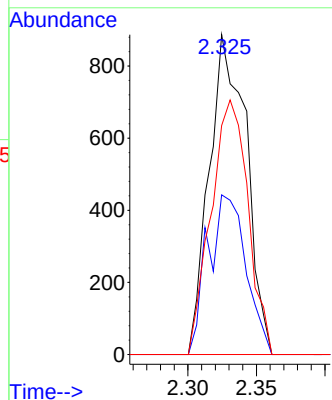


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.181 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

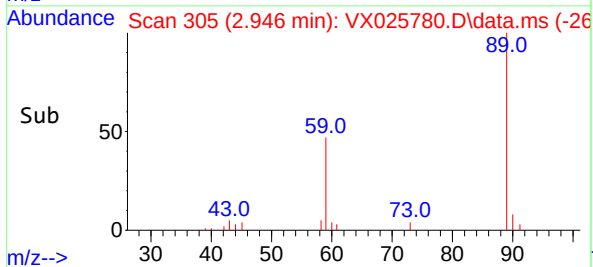
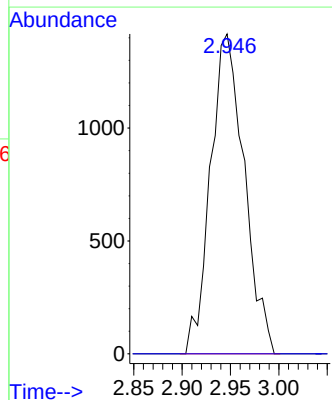
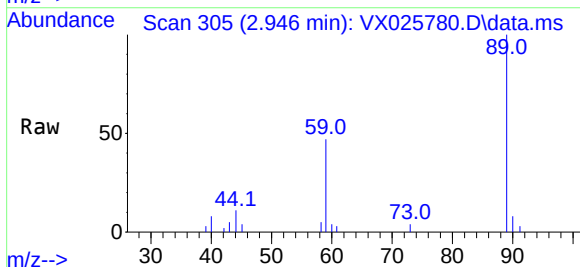


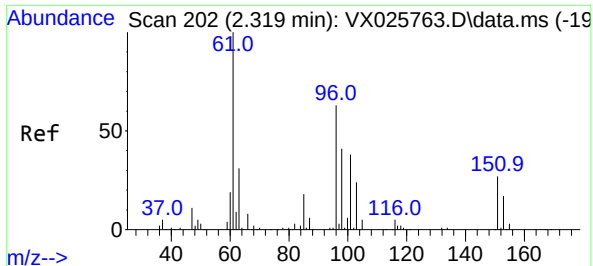
Tgt Ion:101 Resp: 1667
Ion Ratio Lower Upper
101 100
85 51.5 36.5 54.7
151 79.7 60.6 90.8



#11
Tert butyl alcohol
Concen: 9.001 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

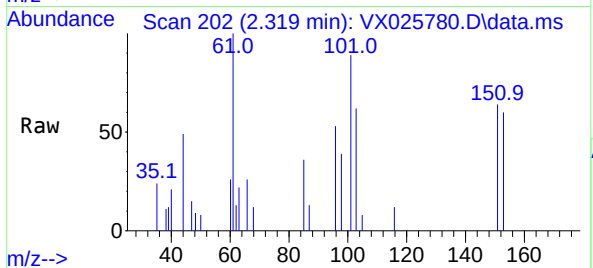
Tgt Ion: 59 Resp: 3444
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





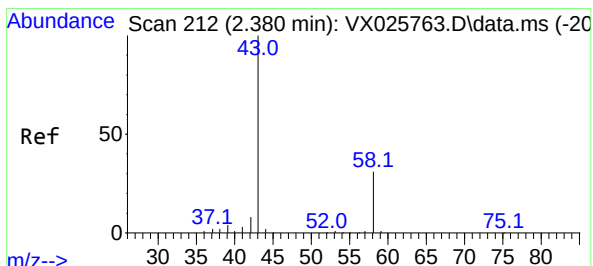
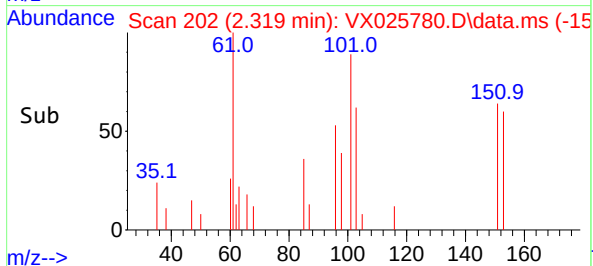
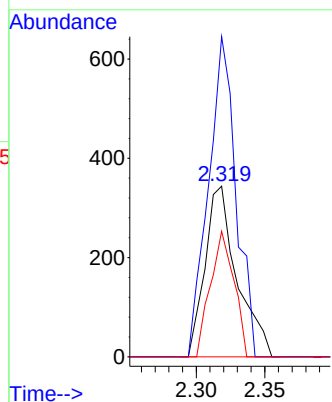
#12
1,1-Dichloroethene
Concen: 0.397 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 96 Resp: 557

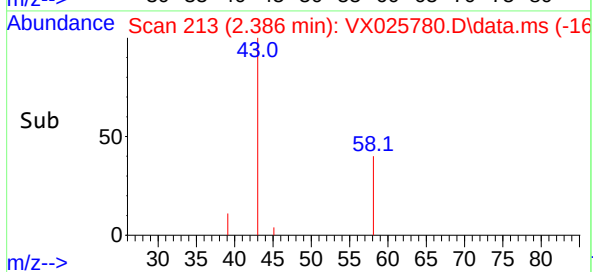
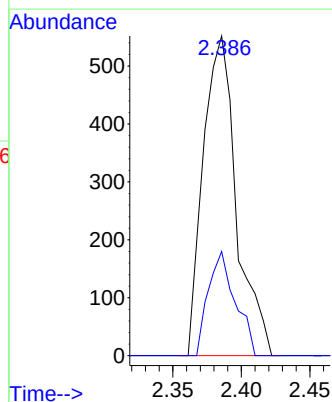
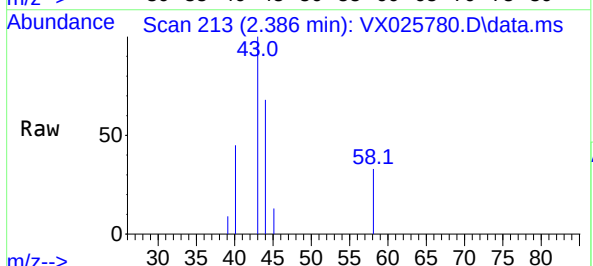
Ion	Ratio	Lower	Upper
96	100		
61	187.5	127.5	191.3
98	73.5	52.0	78.0

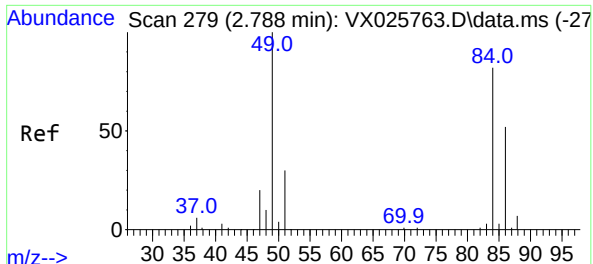


#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Tgt Ion: 43 Resp: 930

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.8	37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

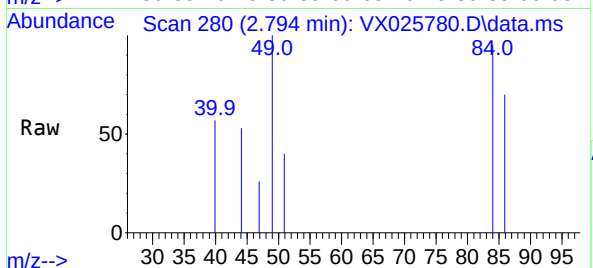
Lab File: VX025780.D

Acq: 14 Dec 2021 16:33

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 757

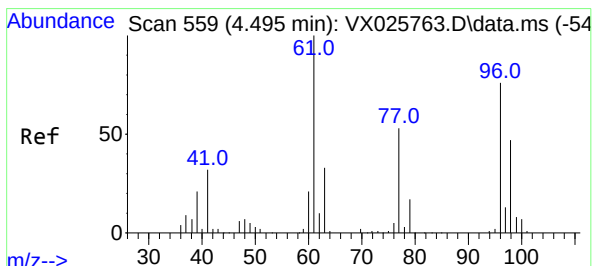
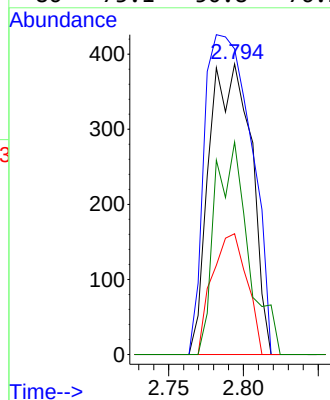
Ion Ratio Lower Upper

84 100

49 105.2 97.1 145.7

51 41.6 29.3 43.9

86 73.1 50.8 76.2



#27

cis-1,2-Dichloroethene

Concen: 0.286 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX025780.D

Acq: 14 Dec 2021 16:33

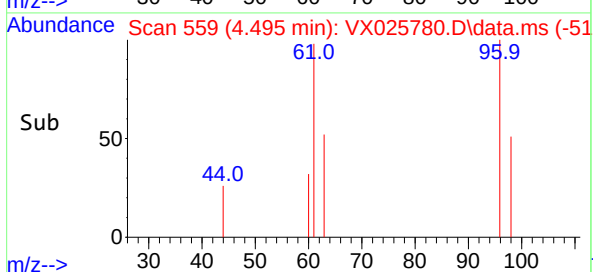
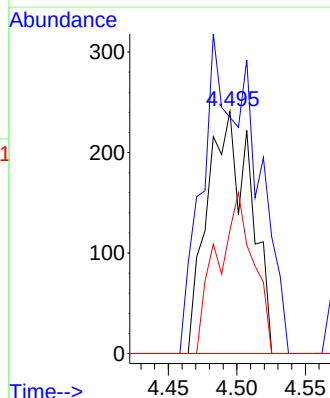
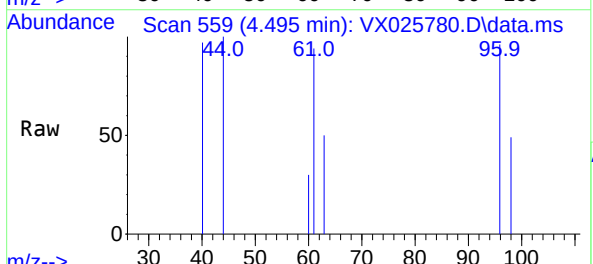
Tgt Ion: 96 Resp: 531

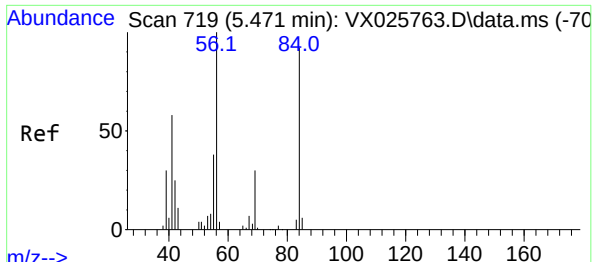
Ion Ratio Lower Upper

96 100

61 156.1 0.0 276.8

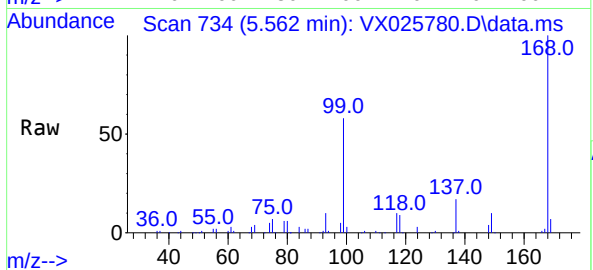
98 55.7 0.0 130.6



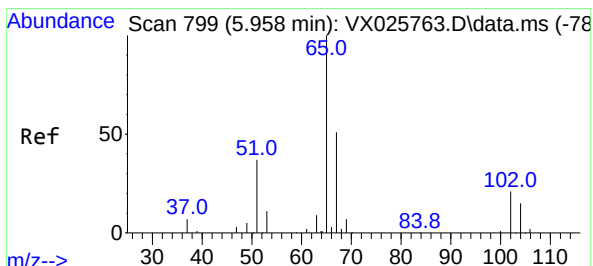
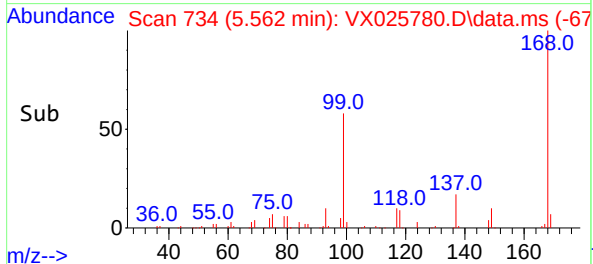
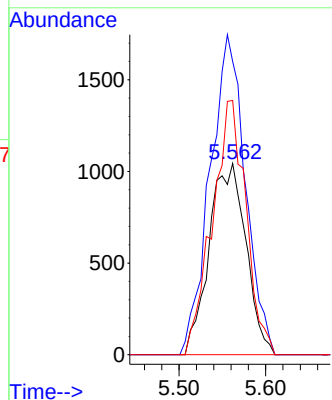


#31
Cyclohexane
Concen: 1.328 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

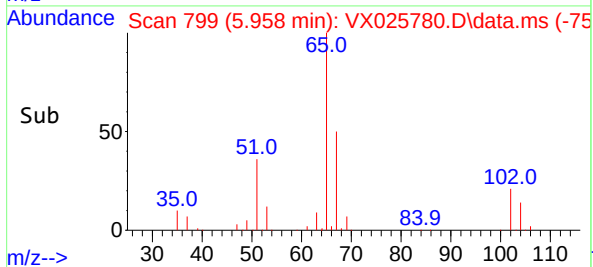
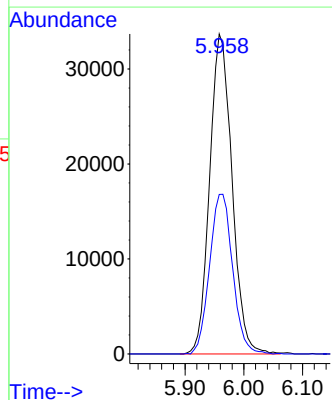
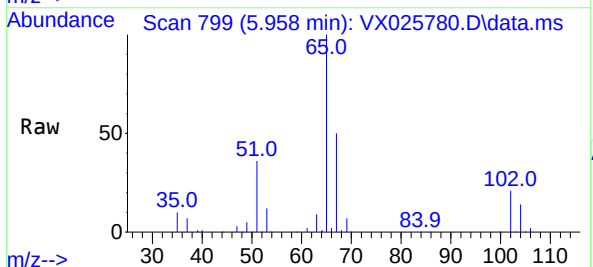


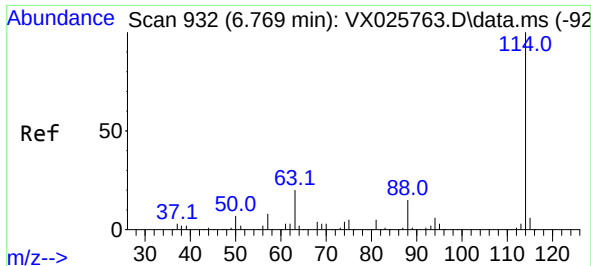
Tgt Ion: 56 Resp: 3080
Ion Ratio Lower Upper
56 100
69 153.3 23.9 35.9#
84 133.0 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 46.669 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

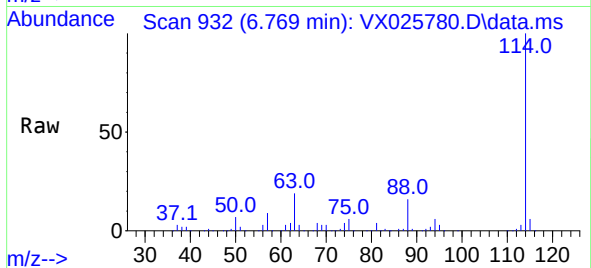
Tgt Ion: 65 Resp: 89015
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4



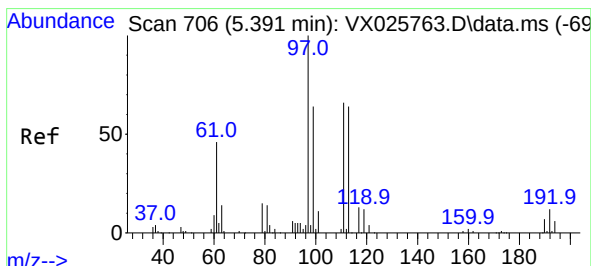
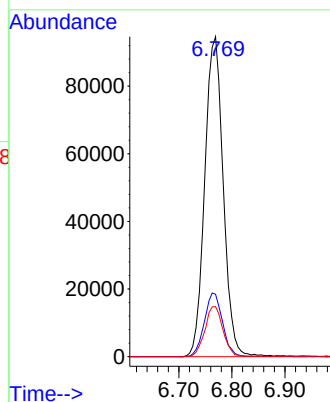
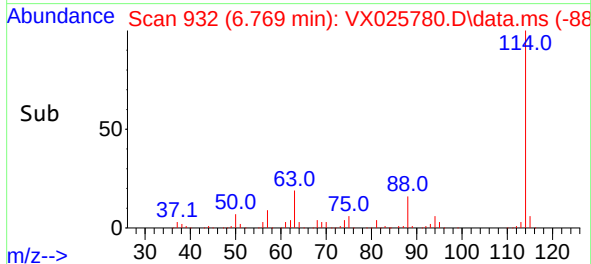


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

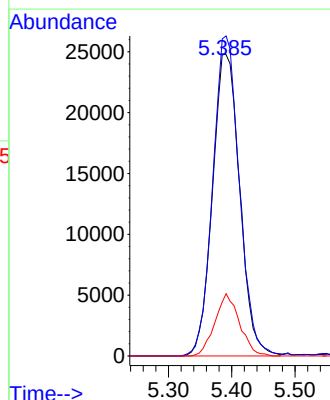
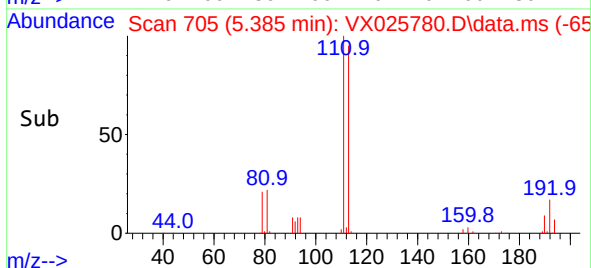
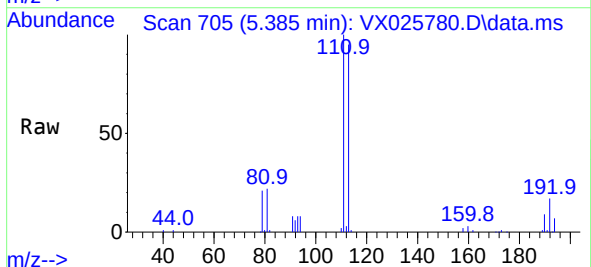


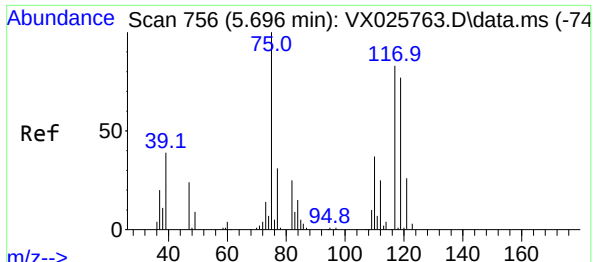
Tgt Ion:114 Resp: 228954
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.469 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

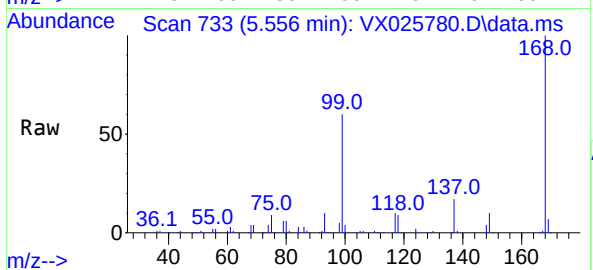
Tgt Ion:113 Resp: 74199
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 18.6 15.0 22.4



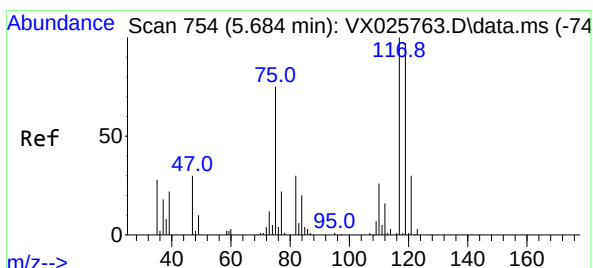
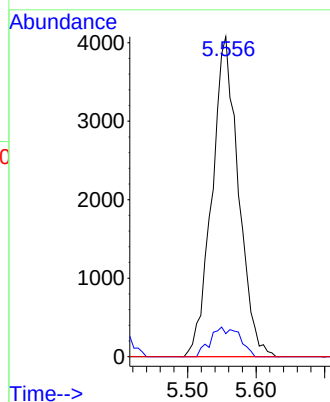
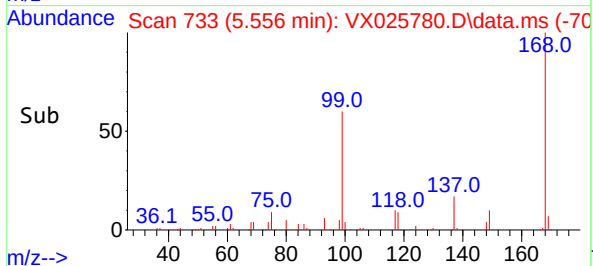


#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

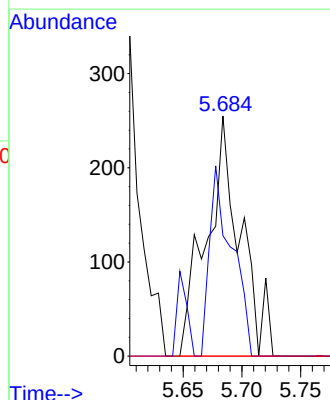
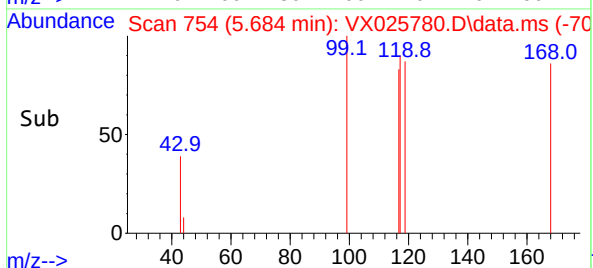
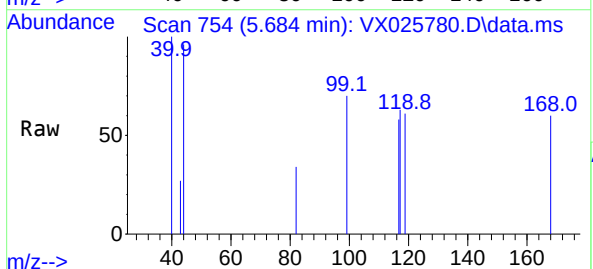


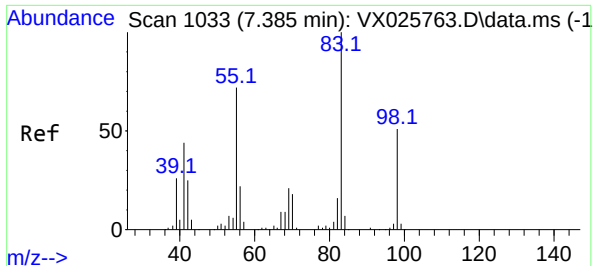
Tgt Ion: 75 Resp: 10930
Ion Ratio Lower Upper
75 100
110 5.7 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.204 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Tgt Ion: 117 Resp: 513
Ion Ratio Lower Upper
117 100
119 50.2 77.2 115.8#
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 3.157 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025780.D

Acq: 14 Dec 2021 16:33

Instrument :

MSVOA_X

ClientSampleId :

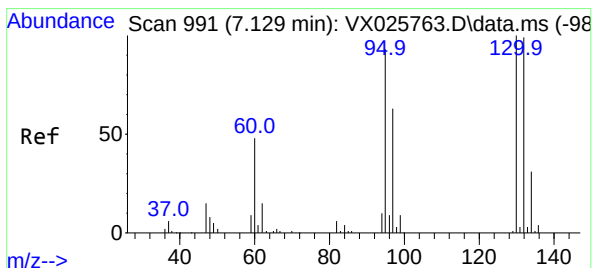
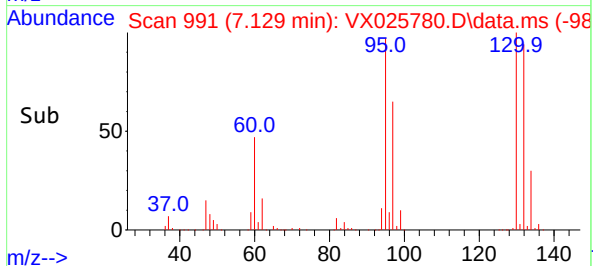
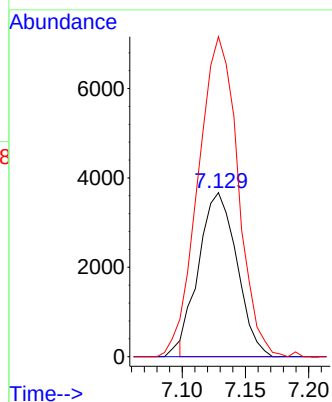
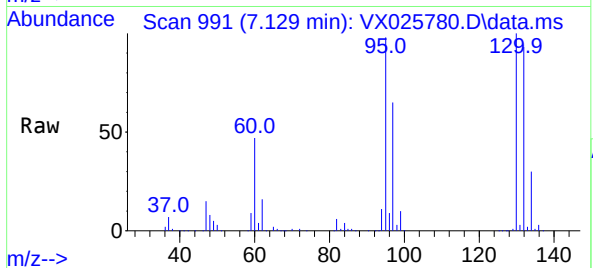
Tgt Ion: 83 Resp: 7648

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 193.5 40.5 60.7#



#44

Trichloroethene

Concen: 351.279 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025780.D

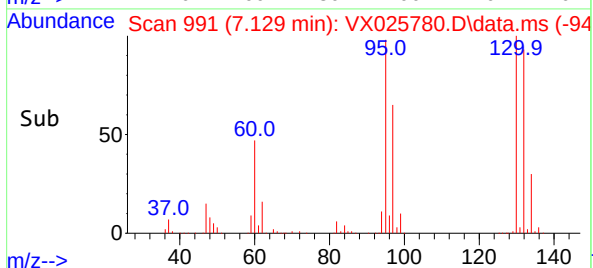
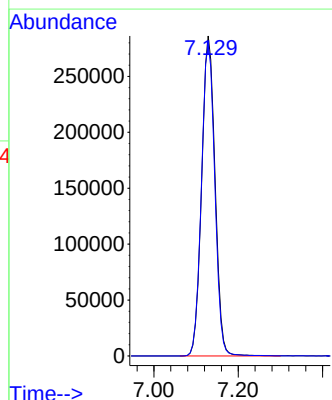
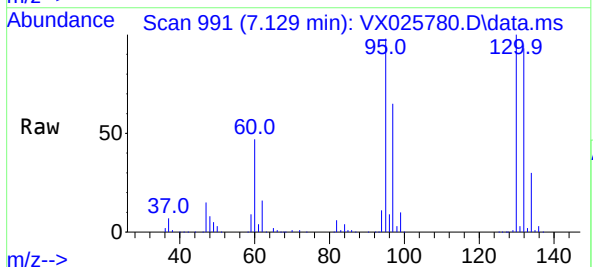
Acq: 14 Dec 2021 16:33

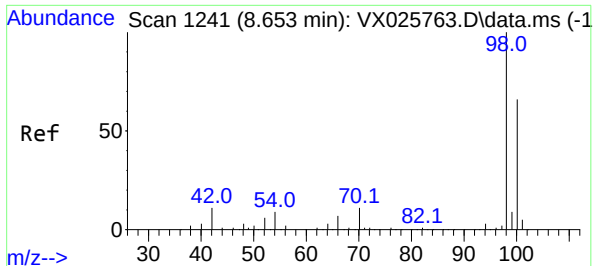
Tgt Ion:130 Resp: 631700

Ion Ratio Lower Upper

130 100

95 97.5 0.0 186.4

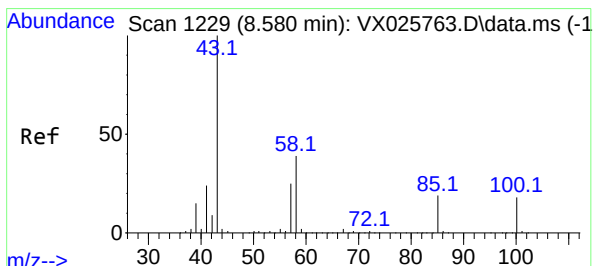
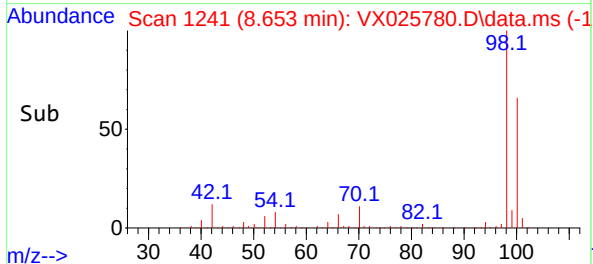
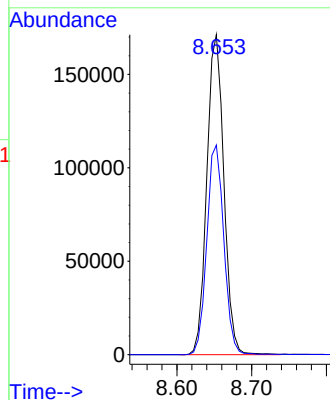
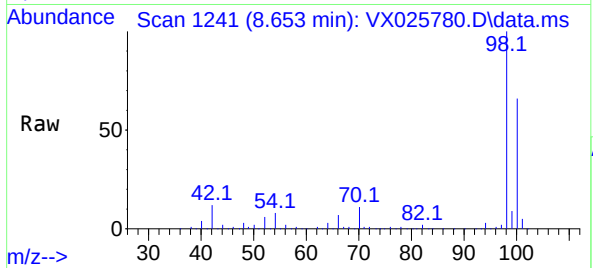




#50
Toluene-d8
Concen: 46.558 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

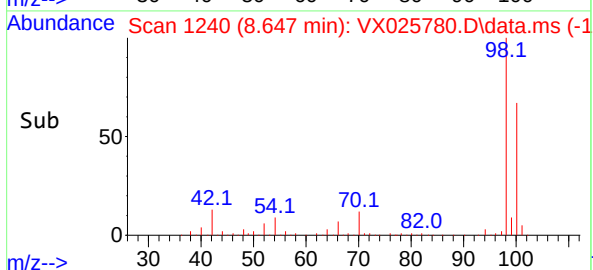
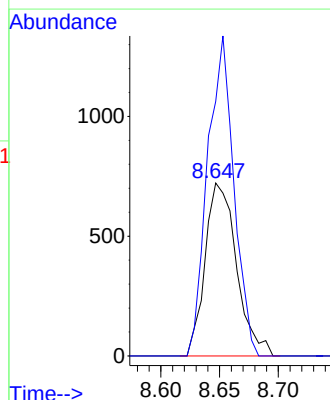
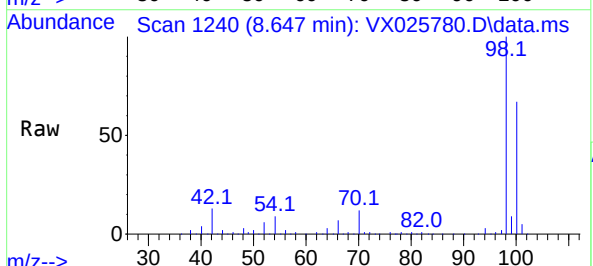
Instrument :
MSVOA_X
ClientSampleId :

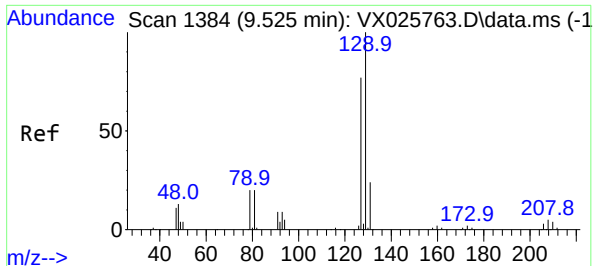
Tgt Ion: 98 Resp: 270865
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 155.0 30.8 46.2#

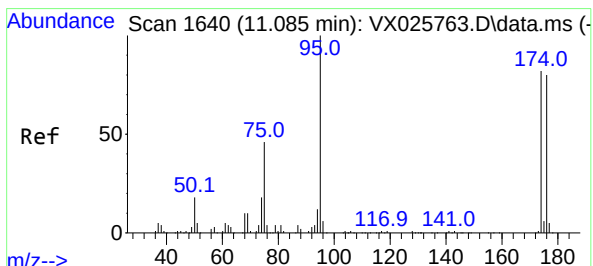
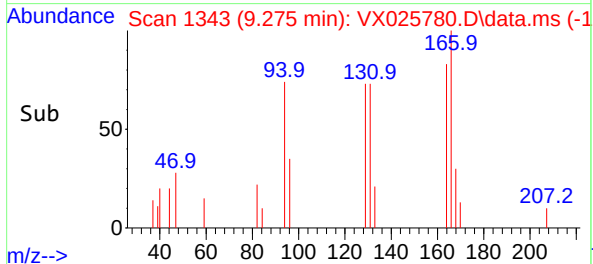
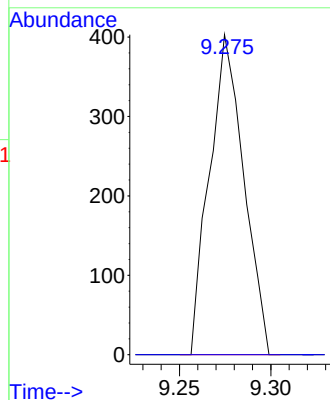
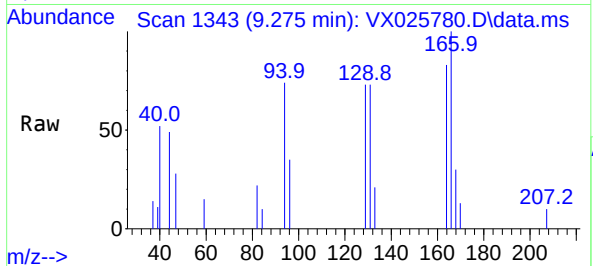




#60
Dibromochloromethane
Concen: 0.263 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

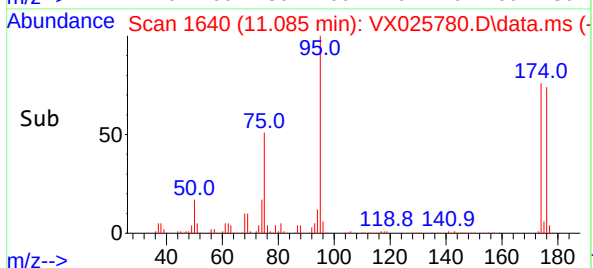
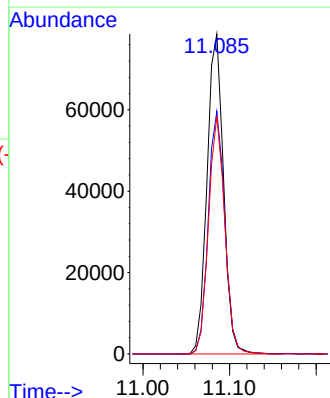
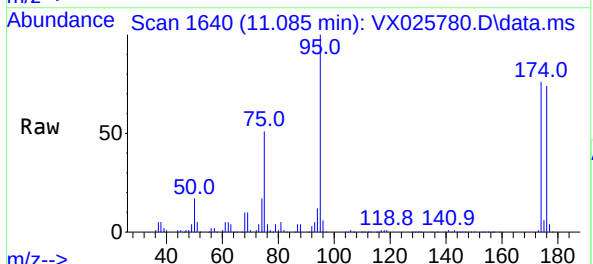
Instrument :
MSVOA_X
ClientSampleId :

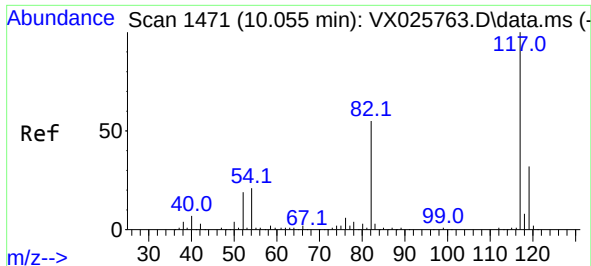
Tgt Ion:129 Resp: 527
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 47.008 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

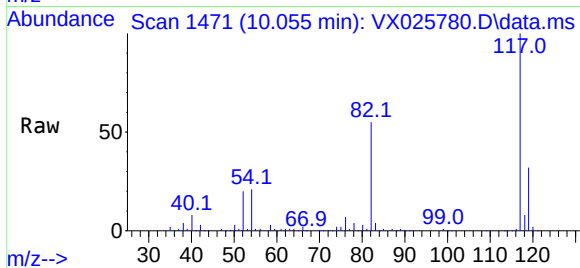
Tgt Ion: 95 Resp: 103887
Ion Ratio Lower Upper
95 100
174 76.3 0.0 157.4
176 73.3 0.0 154.6



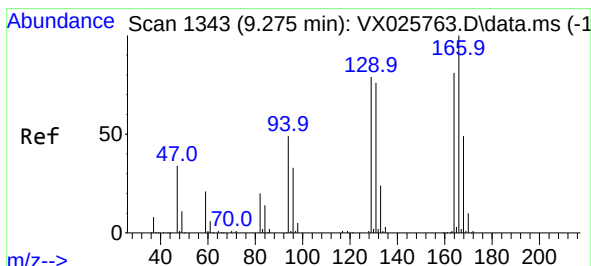
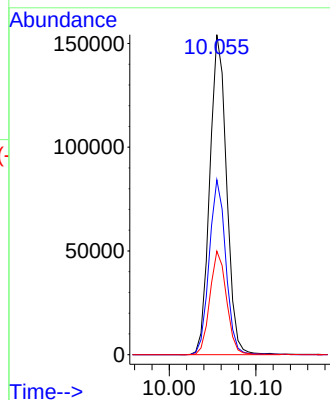
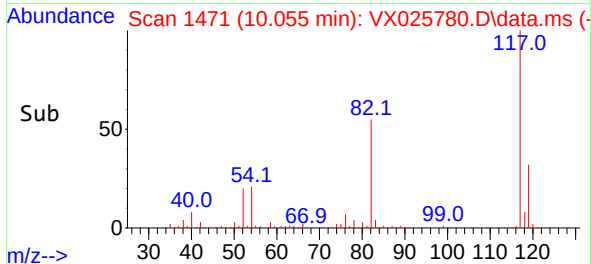


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :

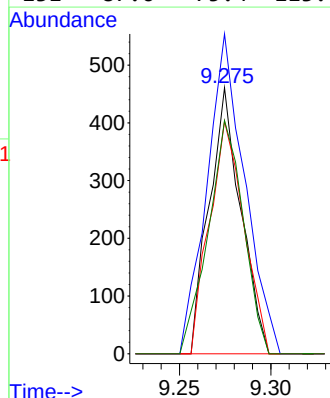
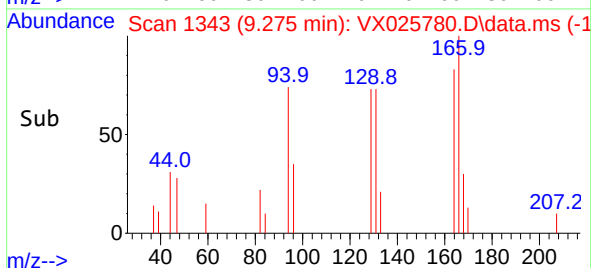
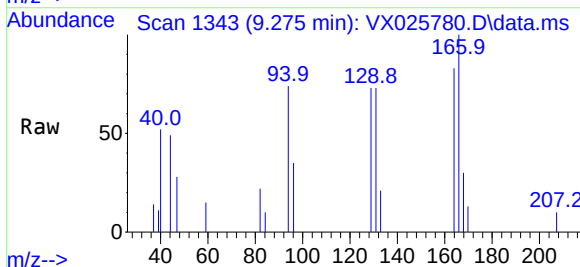


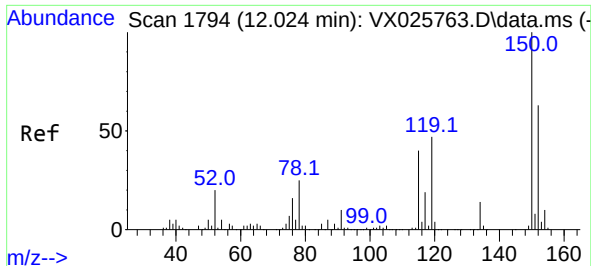
Tgt Ion:117 Resp: 207783
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.6
119 32.3 25.2 37.8



#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

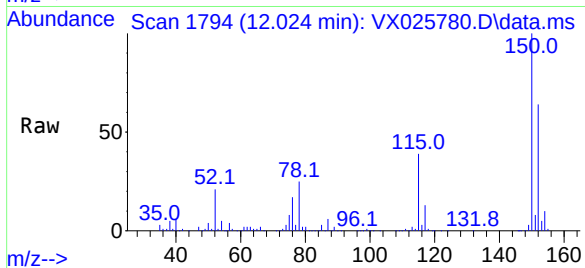
Tgt Ion:164 Resp: 556
Ion Ratio Lower Upper
164 100
166 120.2 99.4 149.0
129 87.4 78.6 118.0
131 87.6 75.4 113.0



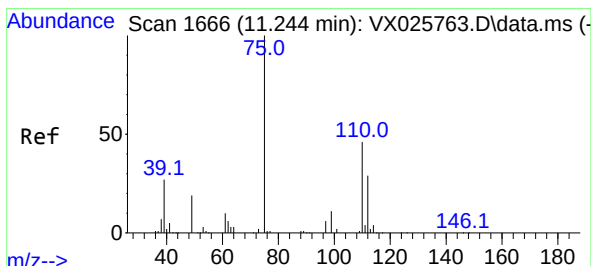
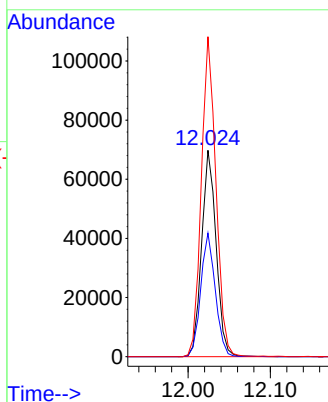
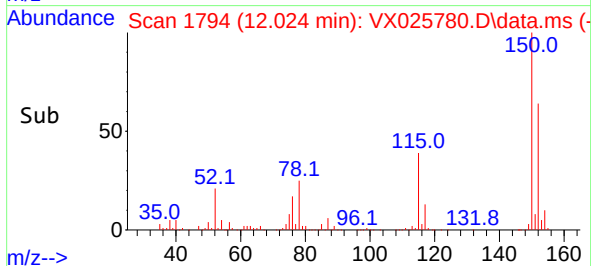


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

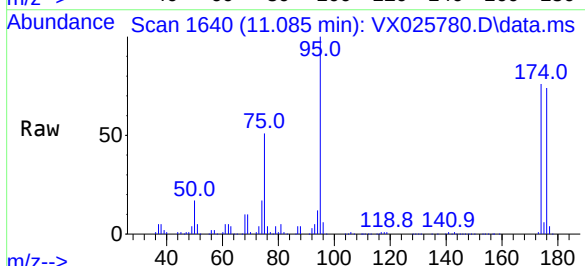
Instrument :
MSVOA_X
ClientSampleId :



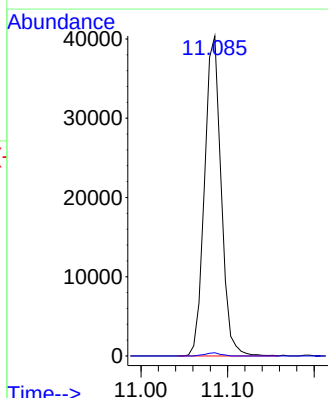
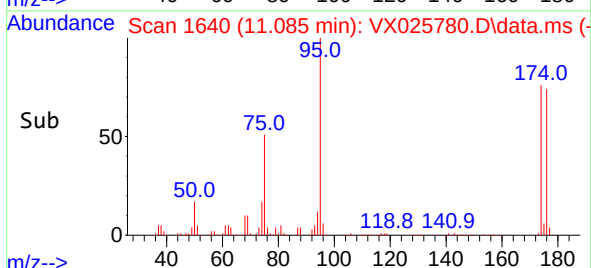
Tgt Ion:152 Resp: 85646
Ion Ratio Lower Upper
152 100
115 60.4 41.3 123.9
150 156.2 0.0 351.8

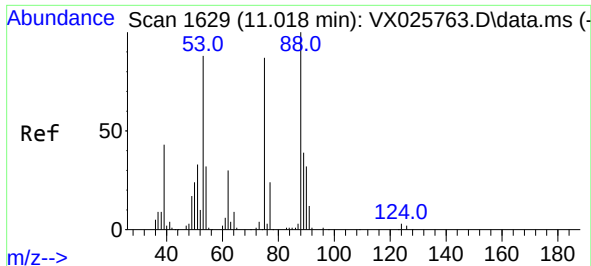


#76
1,2,3-Trichloropropane
Concen: 27.339 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33



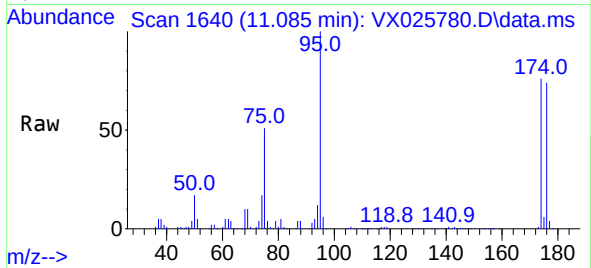
Tgt Ion: 75 Resp: 53648
Ion Ratio Lower Upper
75 100
77 0.9 19.0 57.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.759 ug/l
RT: 11.085 min Scan# 10
Delta R.T. 0.067 min
Lab File: VX025780.D
Acq: 14 Dec 2021 16:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 53648
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

