

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025781.D
 Acq On : 14 Dec 2021 16:56
 Operator : JC/MD
 Sample : M4988-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20211206

Quant Time: Dec 15 07:06:14 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)

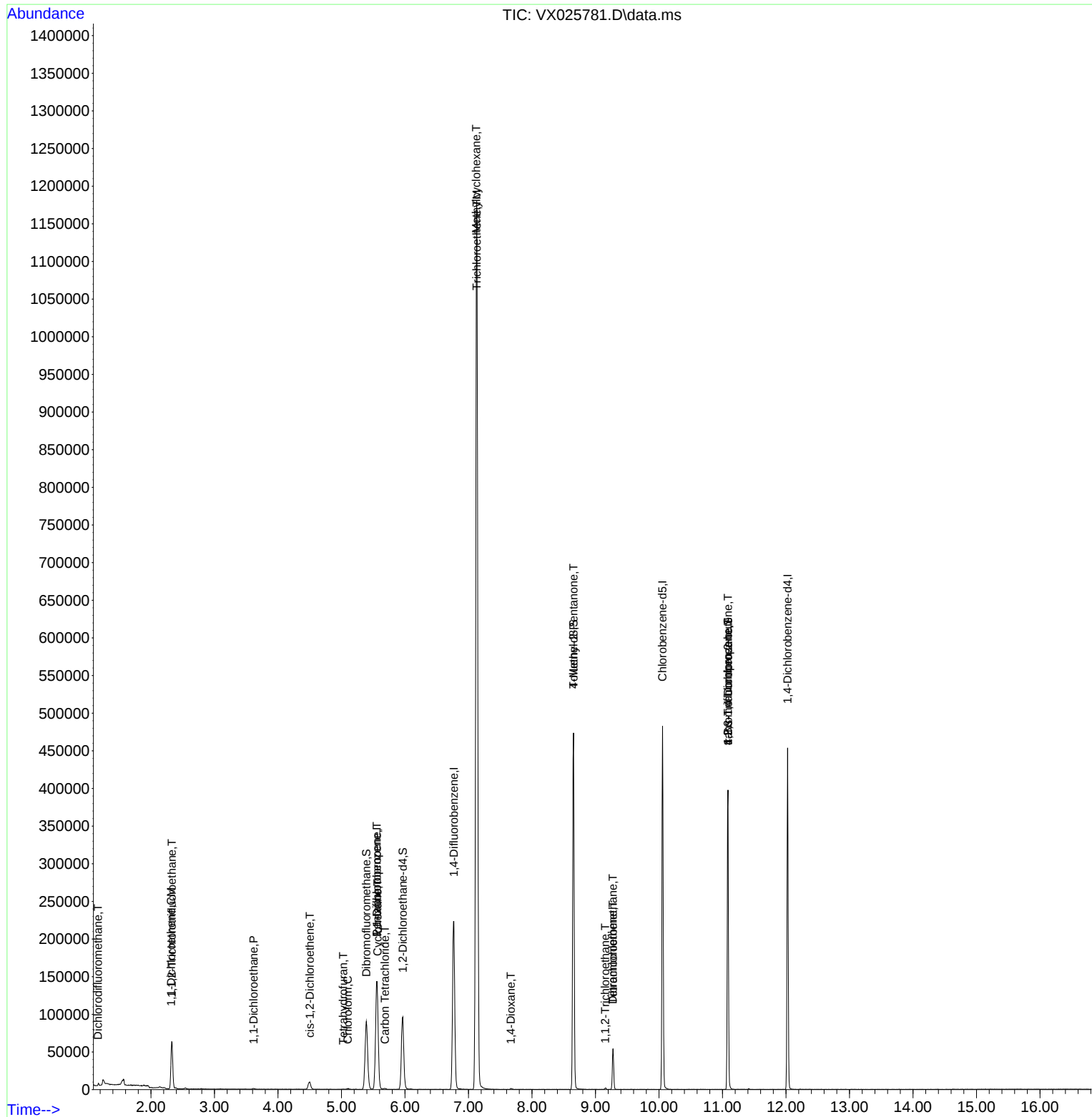
Internal Standards						
1) Pentafluorobenzene	5.556	168	134424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234835	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91755	47.440	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.880%		
35) Dibromofluoromethane	5.391	113	76602	46.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.540%		
50) Toluene-d8	8.653	98	278091	46.603	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.200%		
62) 4-Bromofluorobenzene	11.085	95	107527	47.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	589	0.490	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	21165	14.787	ug/l	98
12) 1,1-Dichloroethene	2.319	96	4979	3.499	ug/l	94
16) Acetone	2.380	43	826	Below Cal		95
20) Methylene Chloride	2.776	84	127	Below Cal	#	7
24) 1,1-Dichloroethane	3.617	63	1284	0.446	ug/l #	78
27) cis-1,2-Dichloroethene	4.501	96	6504	3.454	ug/l	92
29) Tetrahydrofuran	5.026	42	205	0.248	ug/l #	53
30) Chloroform	5.099	83	1175	0.372	ug/l	92
31) Cyclohexane	5.568	56	3064	1.303	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	10932	4.922	ug/l #	50
38) Carbon Tetrachloride	5.684	117	909	0.352	ug/l #	72
39) Methylcyclohexane	7.123	83	5678	2.285	ug/l #	1
44) Trichloroethene	7.129	130	452470	245.311	ug/l	95
49) 1,4-Dioxane	7.665	88	995	24.345	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1304	0.501	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	523	0.289	ug/l #	80
60) Dibromochloromethane	9.275	129	9775	4.757	ug/l #	11
64) Tetrachloroethene	9.275	164	9869	5.757	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	54660	26.596	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54660	82.454	ug/l #	10

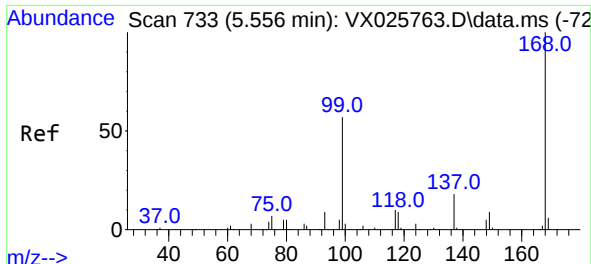
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

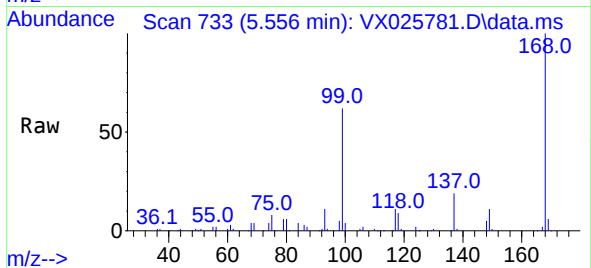
Quant Time: Dec 15 07:06:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



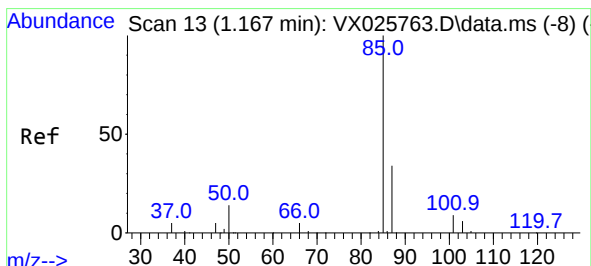
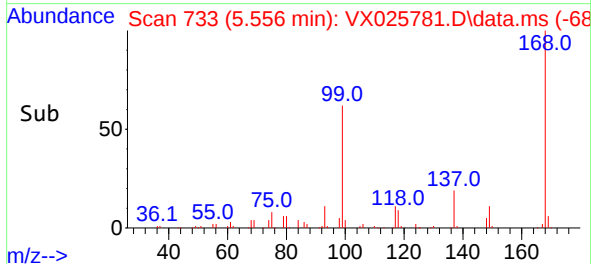
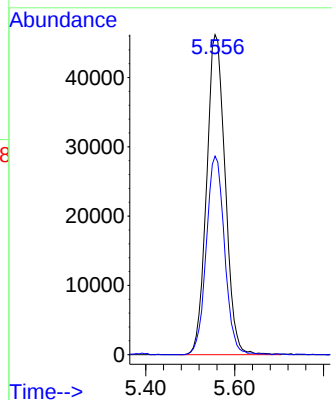


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

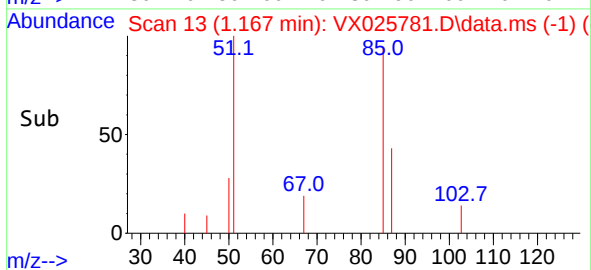
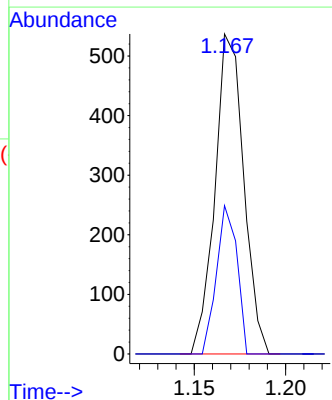
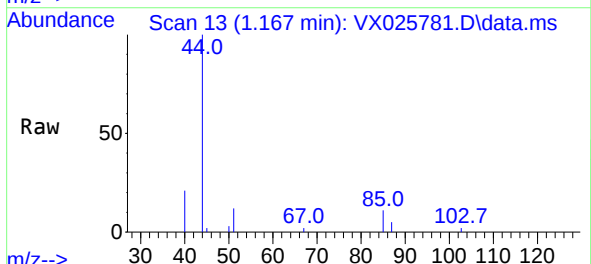


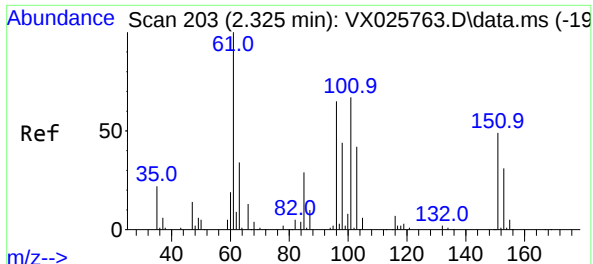
Tgt Ion:168 Resp: 134424
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.490 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 85 Resp: 589
Ion Ratio Lower Upper
85 100
87 46.4 17.0 50.9

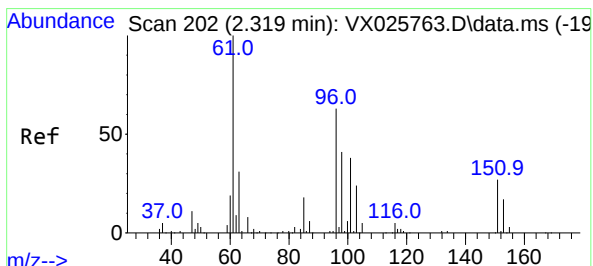
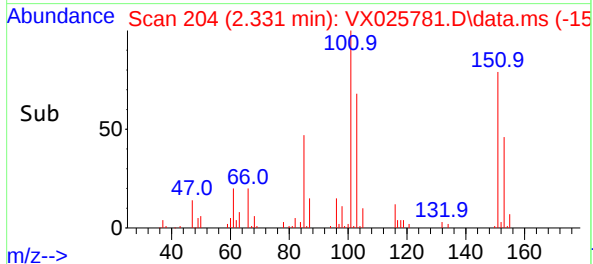
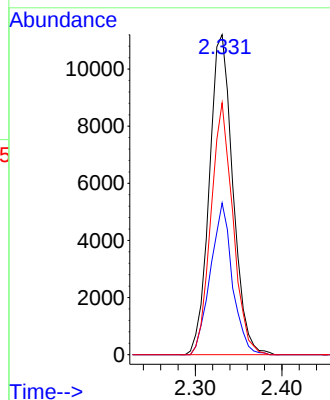
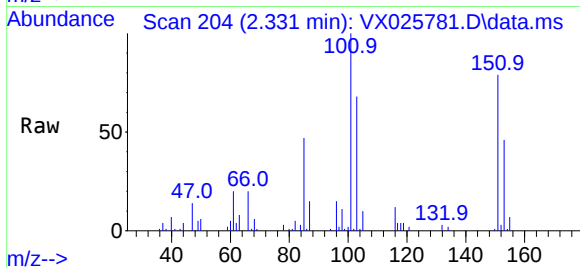




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.787 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

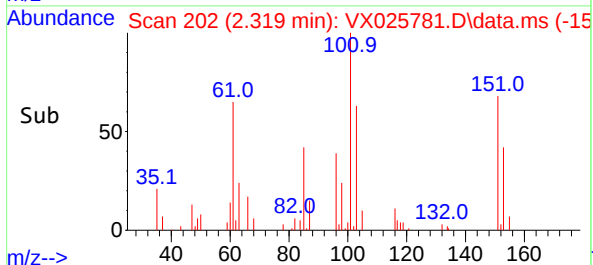
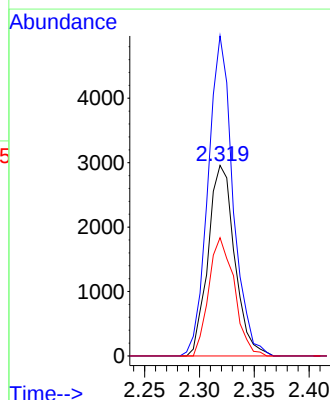
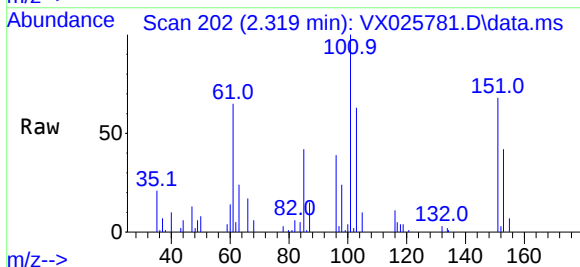
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

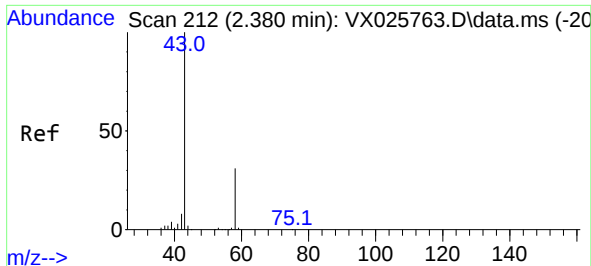
Tgt Ion:101 Resp: 21165
Ion Ratio Lower Upper
101 100
85 44.1 36.5 54.7
151 73.5 60.6 90.8



#12
1,1-Dichloroethene
Concen: 3.499 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 96 Resp: 4979
Ion Ratio Lower Upper
96 100
61 168.0 127.5 191.3
98 62.1 52.0 78.0

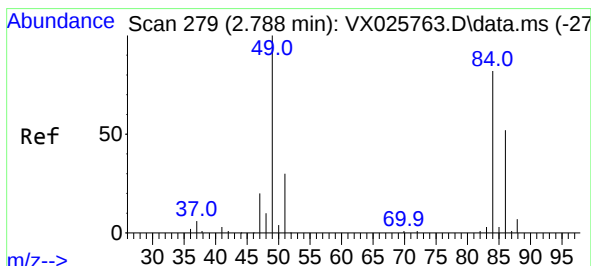
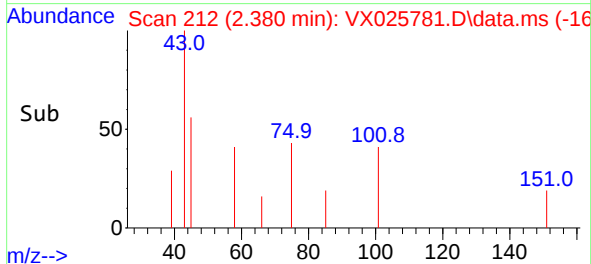
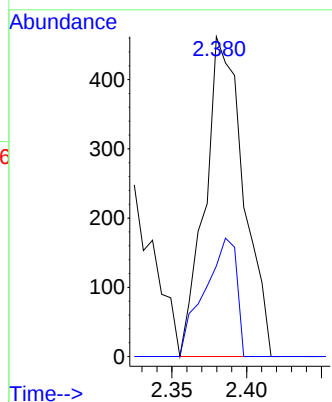
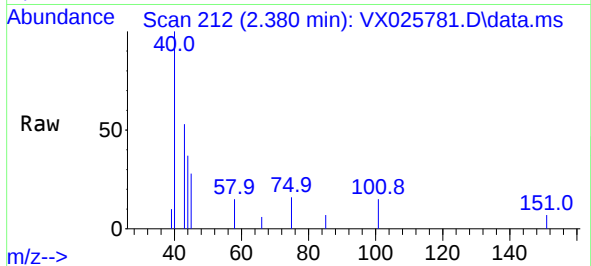




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

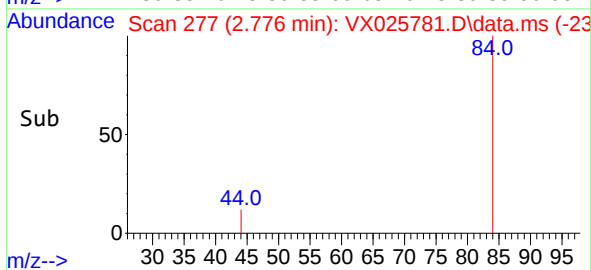
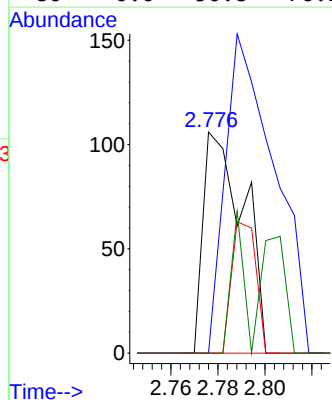
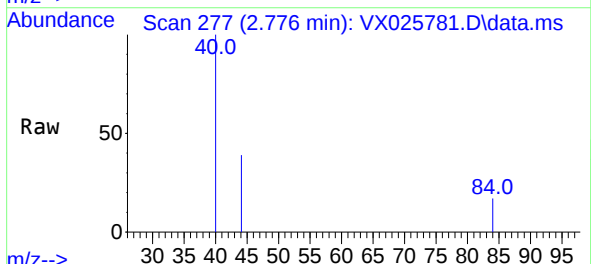
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

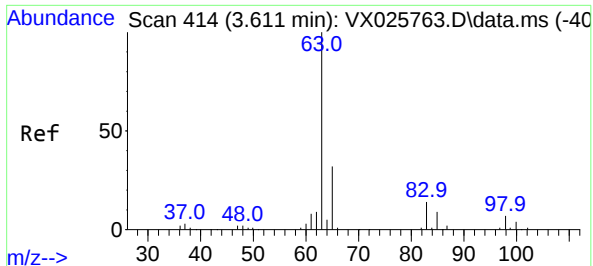
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 28.4 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 84 Resp: 127
Ion Ratio Lower Upper
84 100
49 0.0 97.1 145.7#
51 0.0 29.3 43.9#
86 0.0 50.8 76.2#

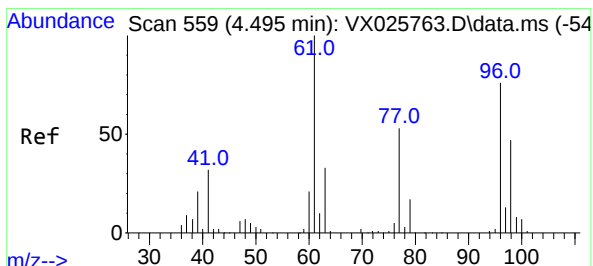
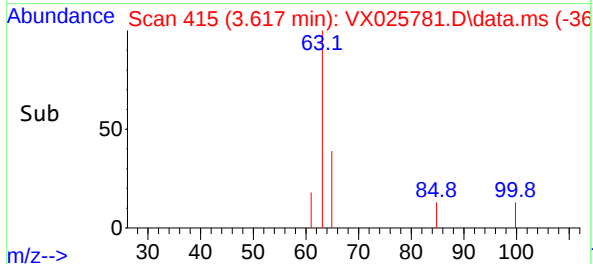
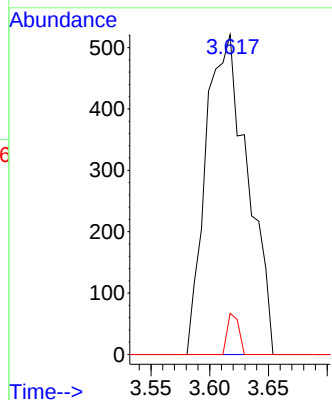
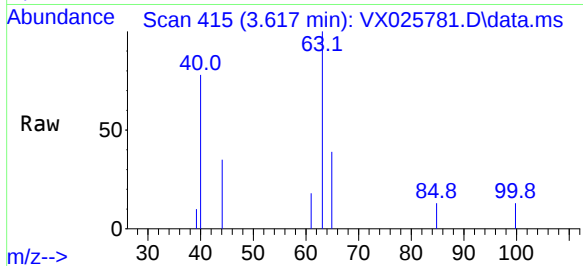




#24
1,1-Dichloroethane
Concen: 0.446 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

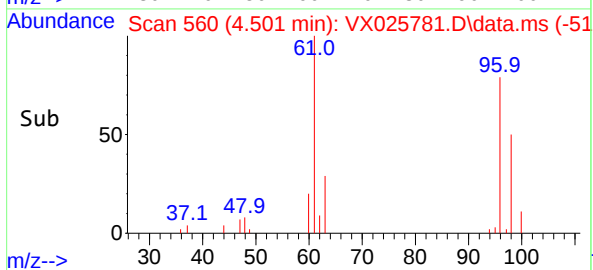
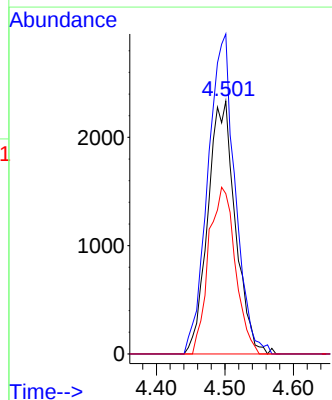
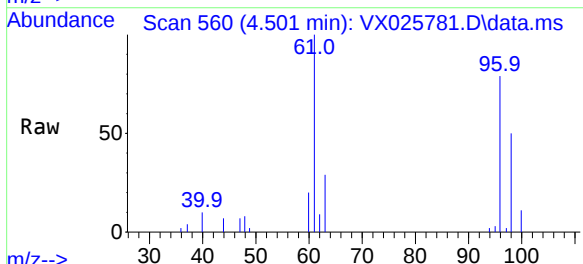
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

Tgt Ion: 63 Resp: 1284
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 12.9 2.2 6.6#

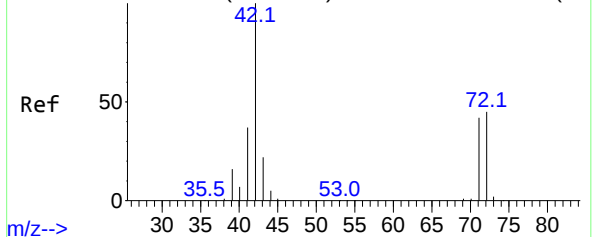


#27
cis-1,2-Dichloroethene
Concen: 3.454 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 96 Resp: 6504
Ion Ratio Lower Upper
96 100
61 125.5 0.0 276.8
98 63.8 0.0 130.6



Abundance Scan 643 (5.007 min): VX025763.D\data.ms (-63



#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

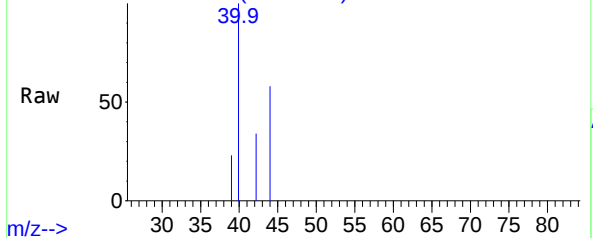
Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20211206

Abundance Scan 646 (5.026 min): VX025781.D\data.ms



Tgt Ion: 42 Resp: 205

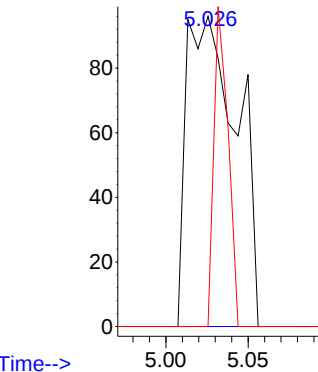
Ion Ratio Lower Upper

42 100

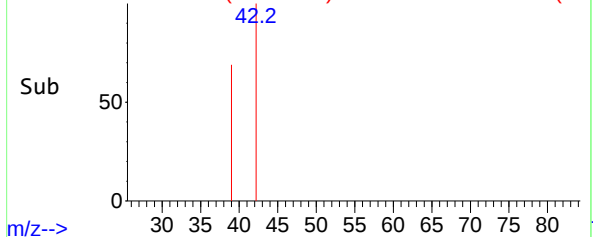
72 0.0 37.0 55.6#

71 28.8 34.1 51.1#

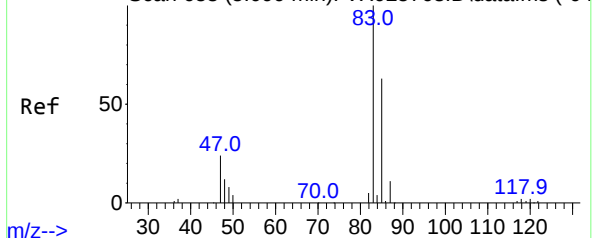
Abundance



Abundance Scan 646 (5.026 min): VX025781.D\data.ms (-59



Abundance Scan 658 (5.099 min): VX025763.D\data.ms (-64



#30

Chloroform

Concen: 0.372 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

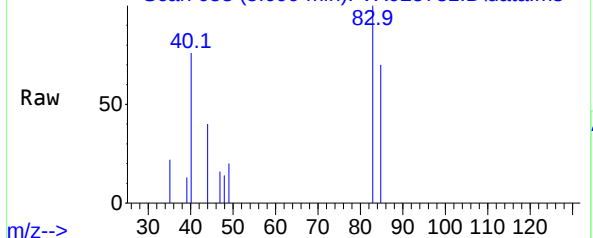
Tgt Ion: 83 Resp: 1175

Ion Ratio Lower Upper

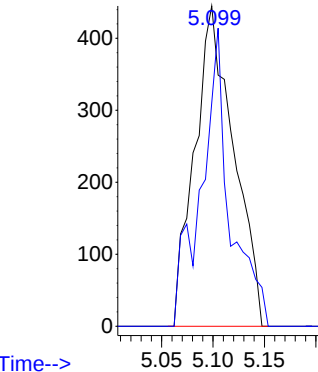
83 100

85 69.7 50.6 75.8

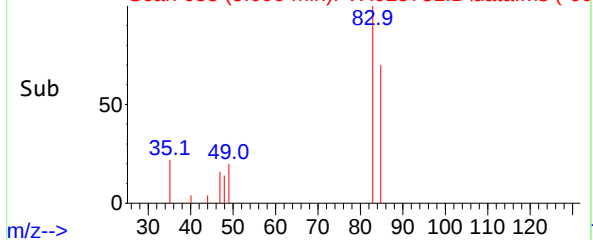
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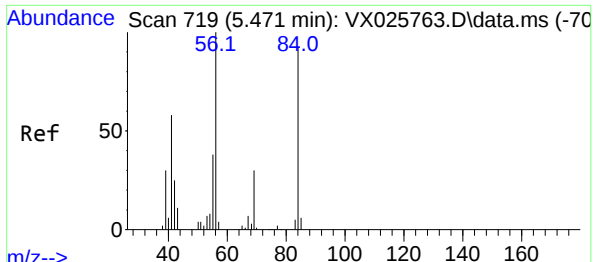


Abundance



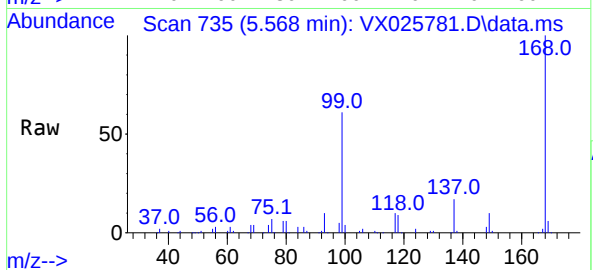
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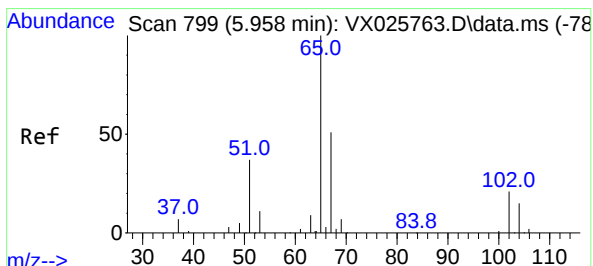
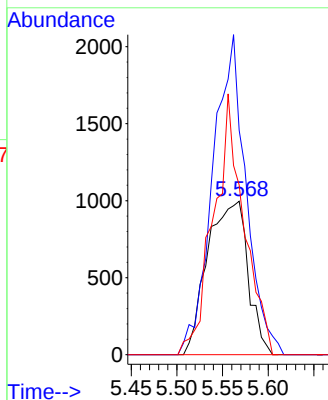
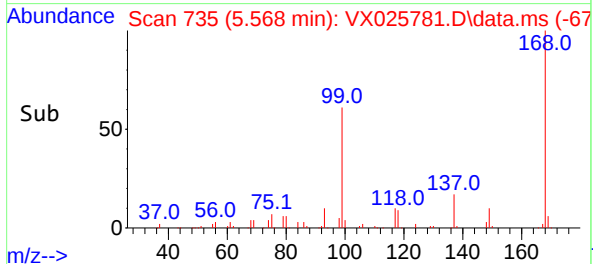


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.568 min Scan# 719
Delta R.T. 0.098 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Instrument :
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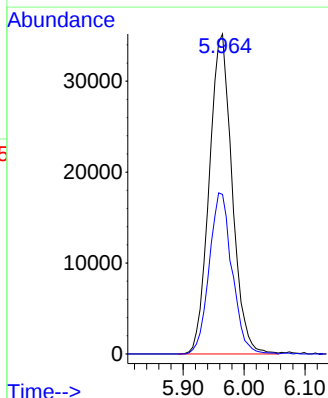
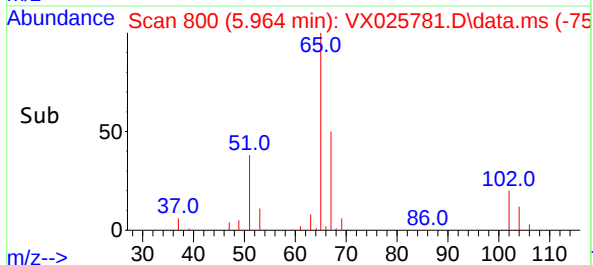
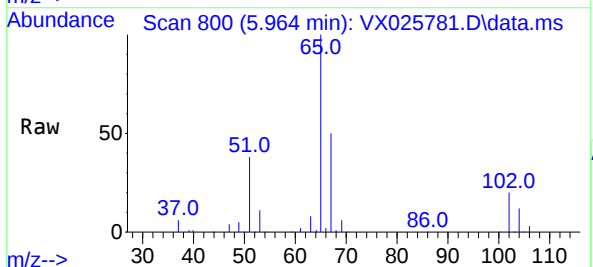


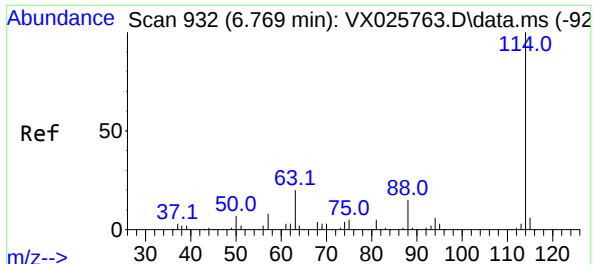
Tgt Ion: 56 Resp: 3064
Ion Ratio Lower Upper
56 100
69 146.2 23.9 35.9#
84 110.6 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 47.440 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 65 Resp: 91755
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.4

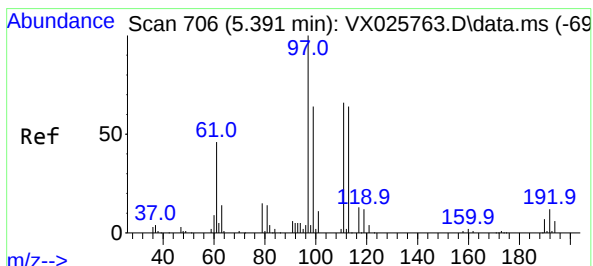
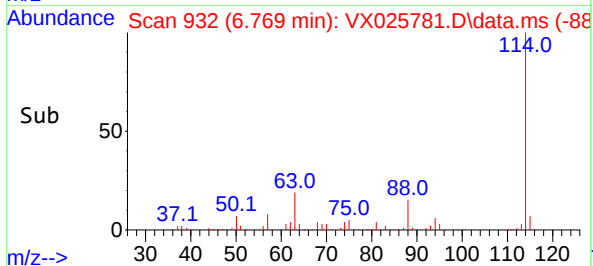
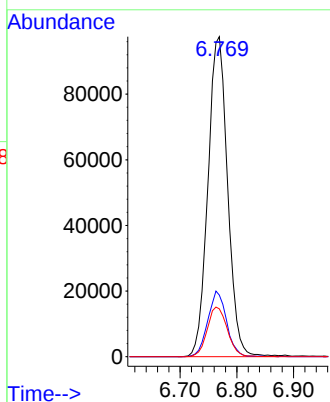
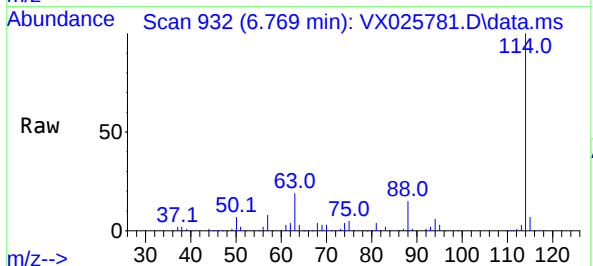




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

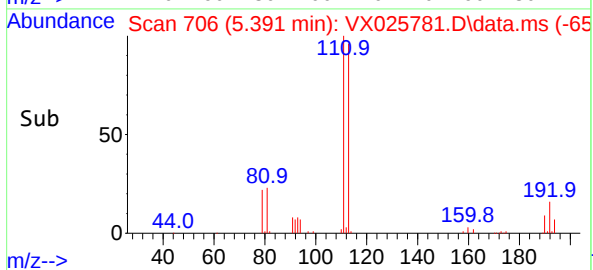
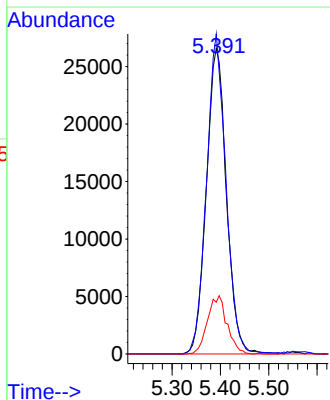
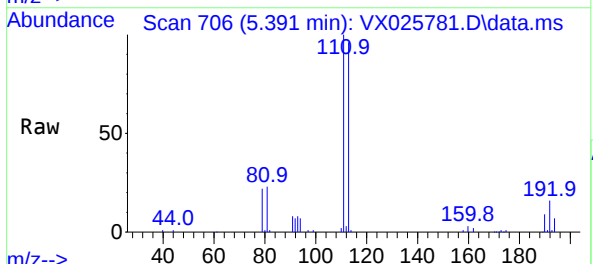
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

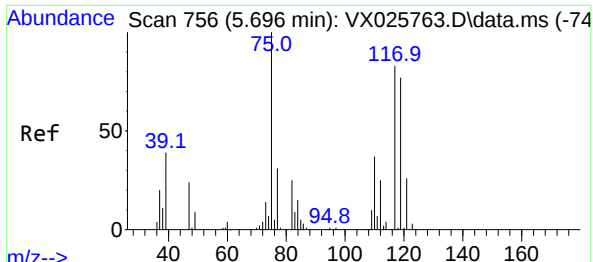
Tgt Ion:114 Resp: 234835
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.772 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion:113 Resp: 76602
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 18.5 15.0 22.4

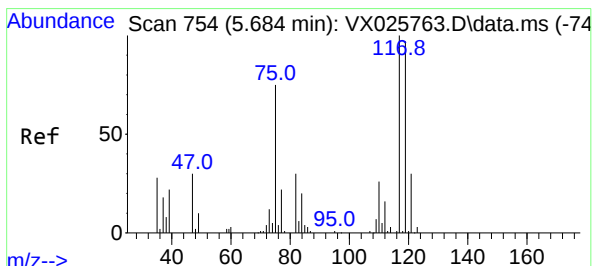
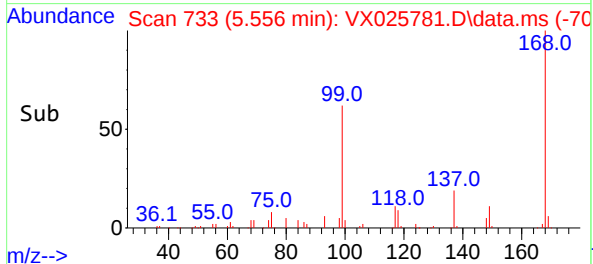
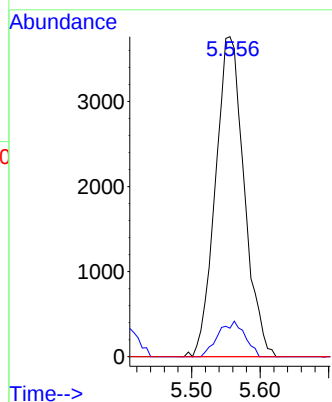
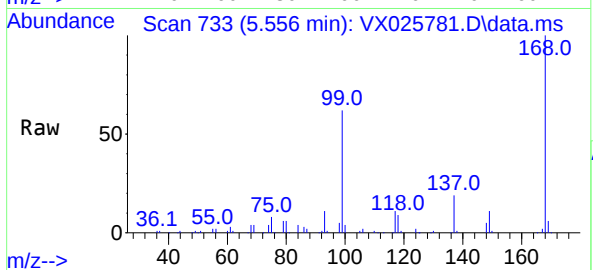




#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

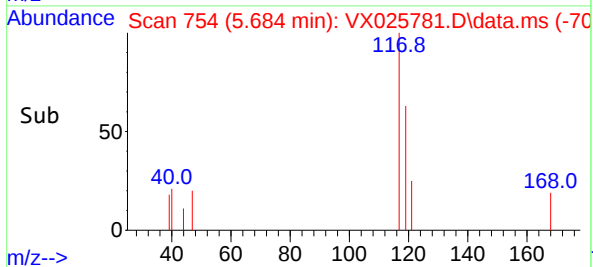
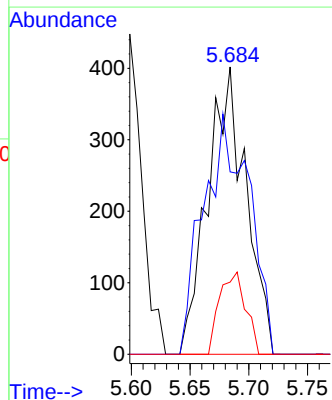
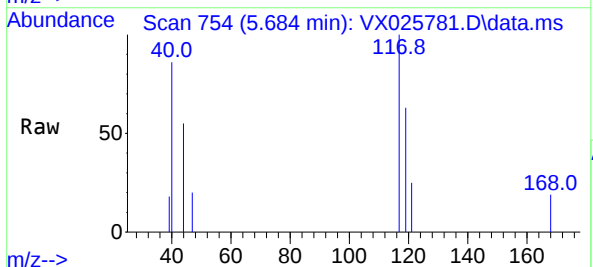
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

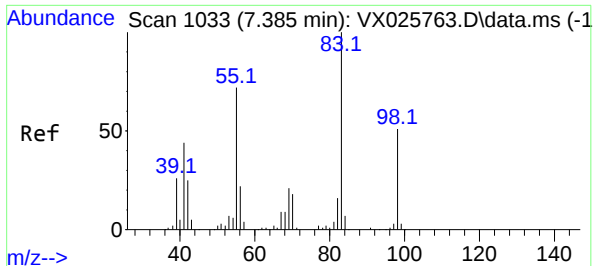
Tgt Ion: 75 Resp: 10932
Ion Ratio Lower Upper
75 100
110 10.3 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.352 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 117 Resp: 909
Ion Ratio Lower Upper
117 100
119 63.4 77.2 115.8#
121 25.1 23.8 35.8





#39

Methylcyclohexane

Concen: 2.285 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.262 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20211206

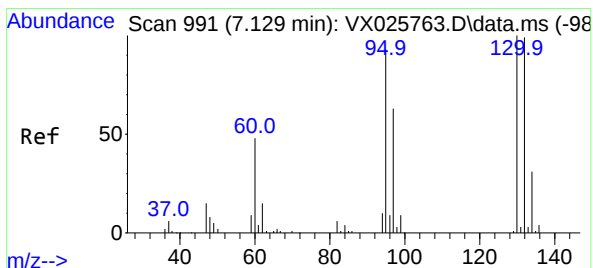
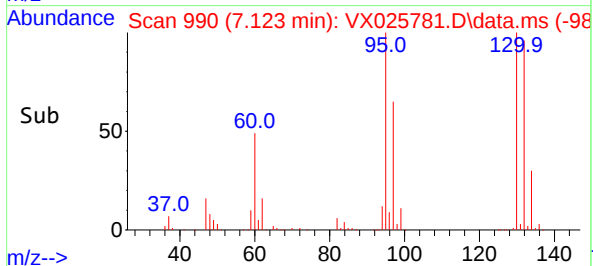
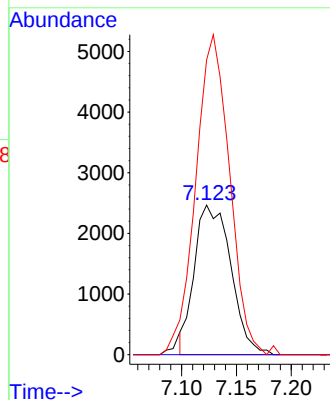
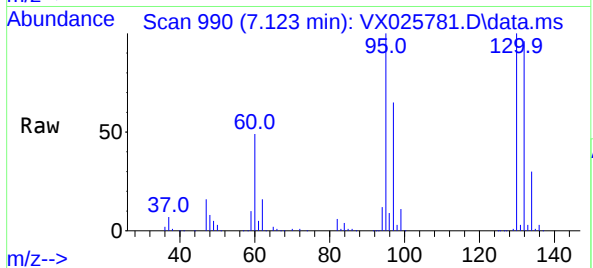
Tgt Ion: 83 Resp: 5678

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 196.9 40.5 60.7#



#44

Trichloroethene

Concen: 245.311 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX025781.D

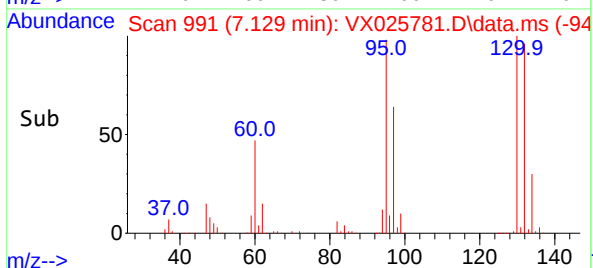
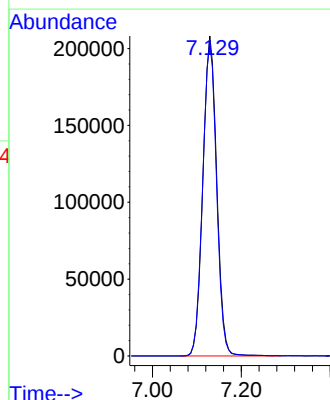
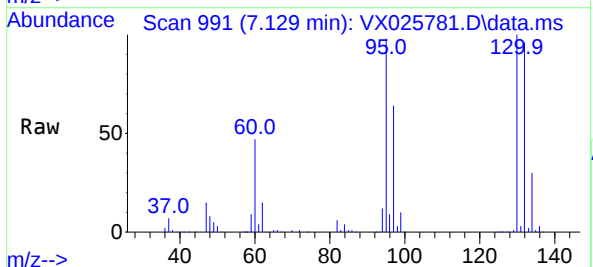
Acq: 14 Dec 2021 16:56

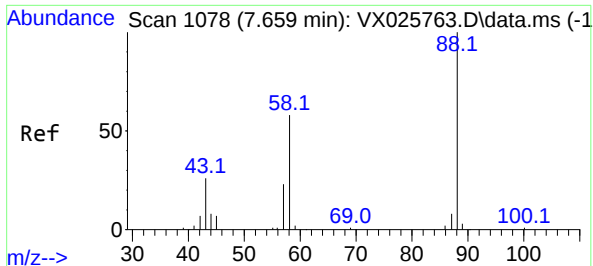
Tgt Ion:130 Resp: 452470

Ion Ratio Lower Upper

130 100

95 98.0 0.0 186.4





#49

1,4-Dioxane

Concen: 24.345 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20211206

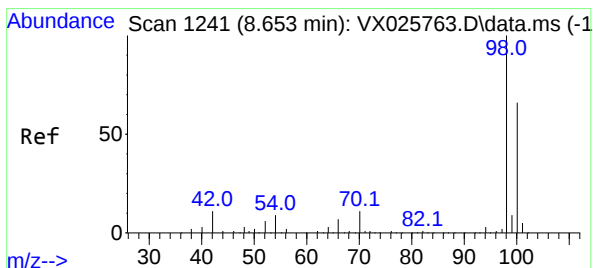
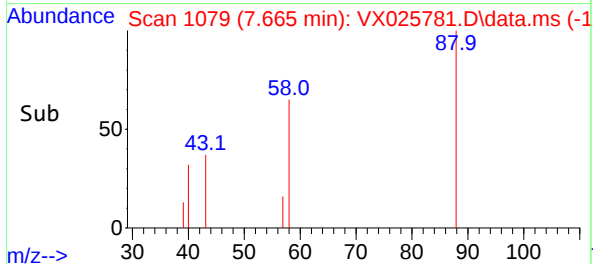
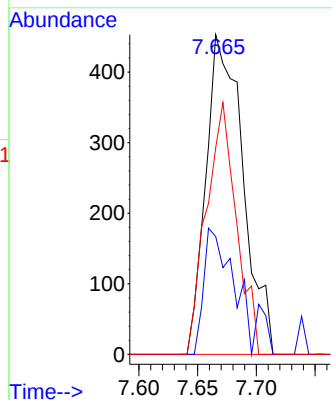
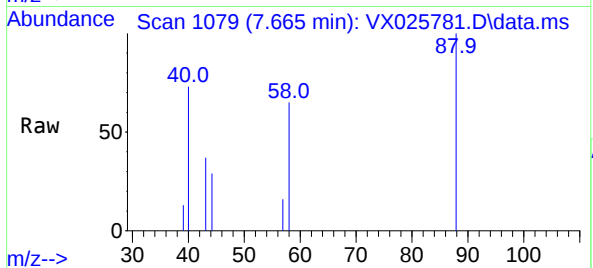
Tgt Ion: 88 Resp: 995

Ion Ratio Lower Upper

88 100

43 31.0 25.3 37.9

58 64.0 51.8 77.6



#50

Toluene-d8

Concen: 46.603 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX025781.D

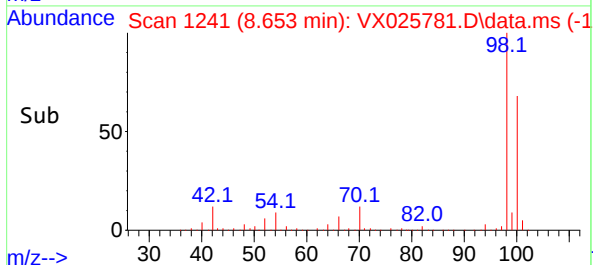
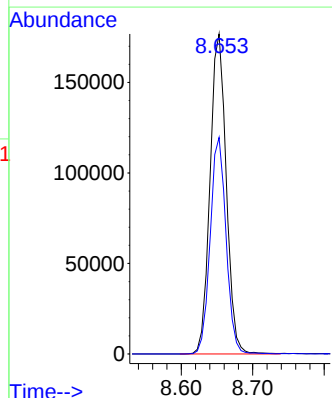
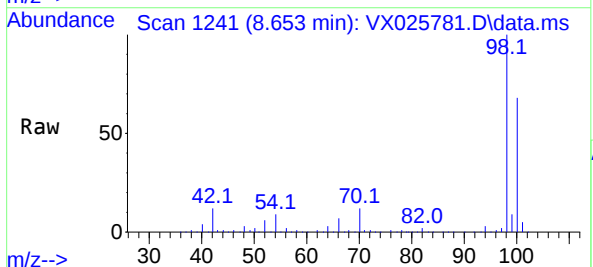
Acq: 14 Dec 2021 16:56

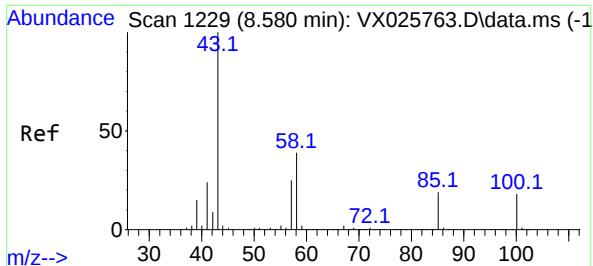
Tgt Ion: 98 Resp: 278091

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.501 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

Instrument :

MSVOA_X

ClientSampleId :

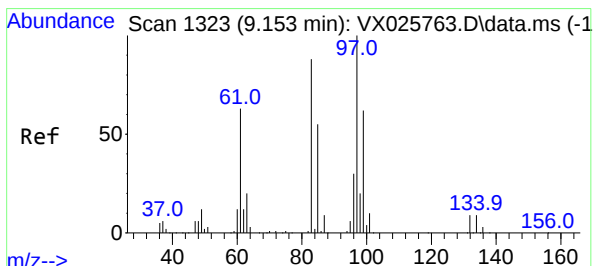
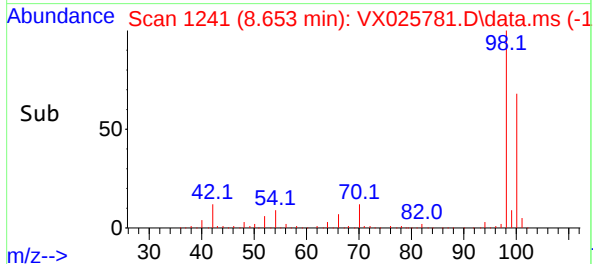
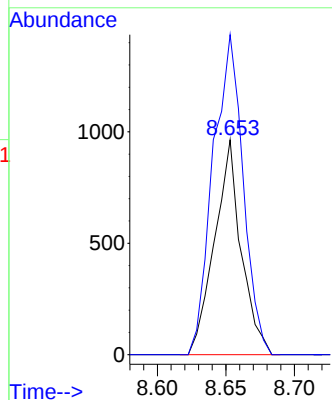
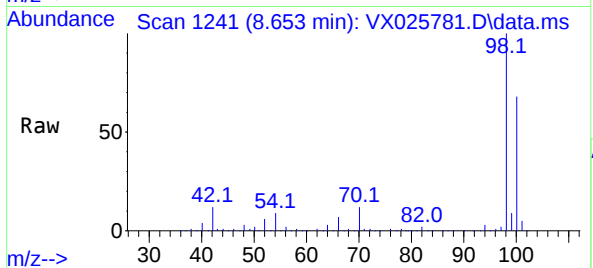
RE125D2-20211206

Tgt Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 168.1 30.8 46.2#



#55

1,1,2-Trichloroethane

Concen: 0.289 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX025781.D

Acq: 14 Dec 2021 16:56

Tgt Ion: 97 Resp: 523

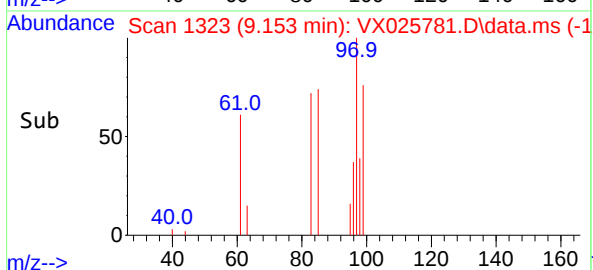
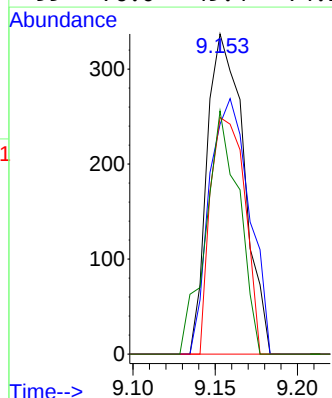
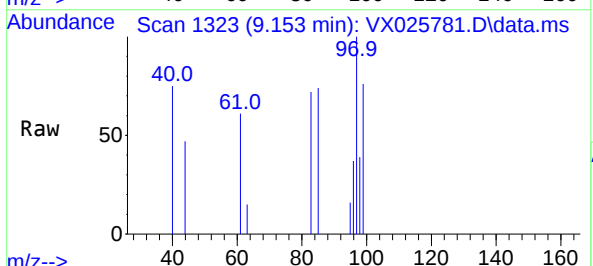
Ion Ratio Lower Upper

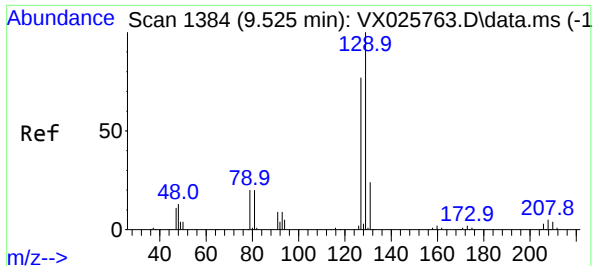
97 100

83 71.8 70.5 105.7

85 73.9 43.8 65.6#

99 76.0 49.4 74.2#

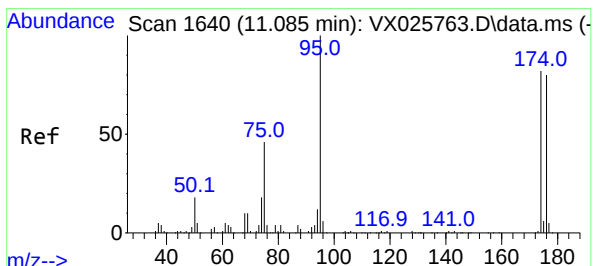
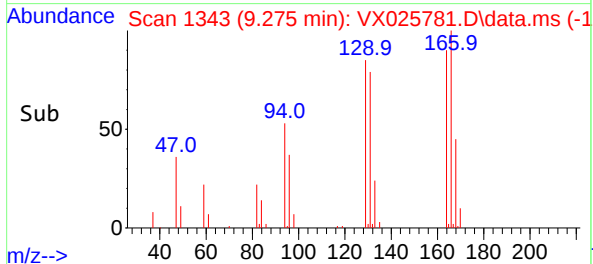
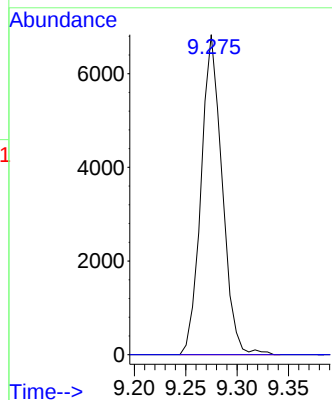
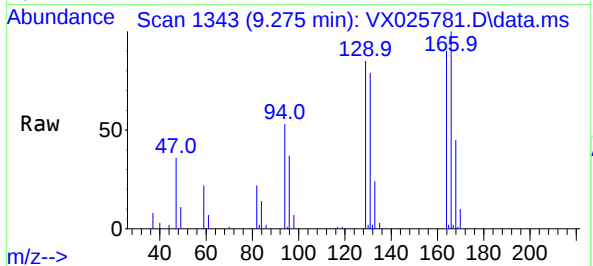




#60
Dibromochloromethane
Concen: 4.757 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

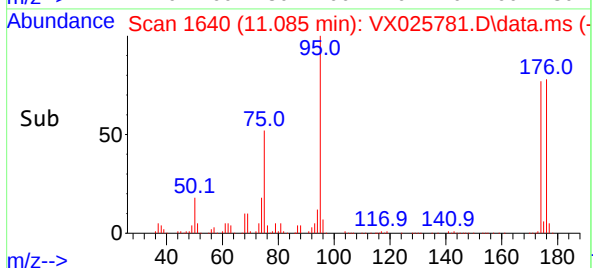
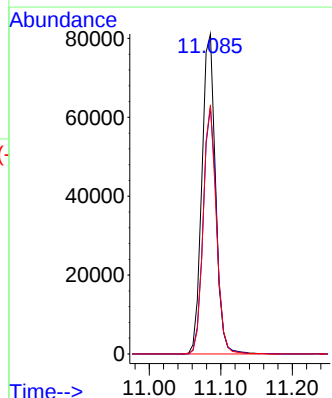
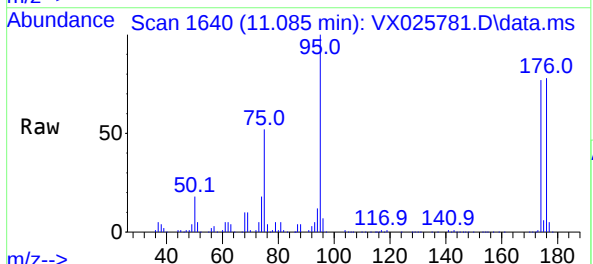
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

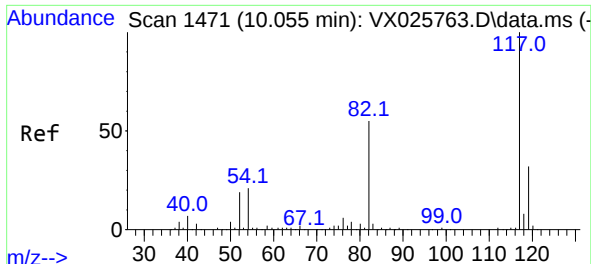
Tgt Ion:129 Resp: 9775
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 47.437 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion: 95 Resp: 107527
Ion Ratio Lower Upper
95 100
174 75.6 0.0 157.4
176 74.8 0.0 154.6

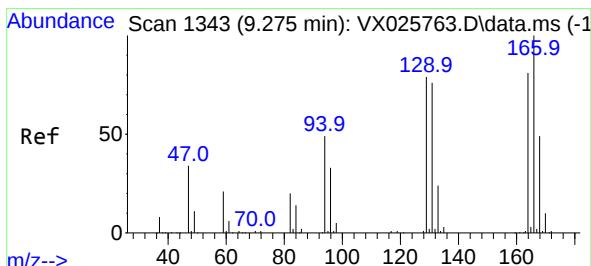
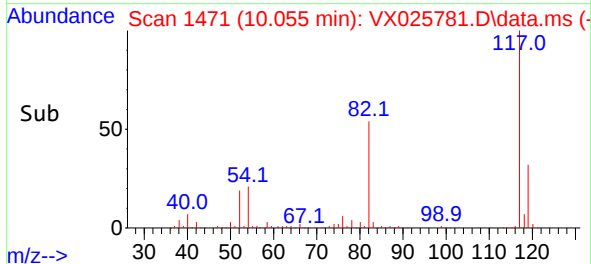
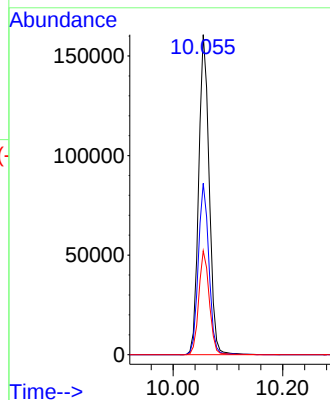
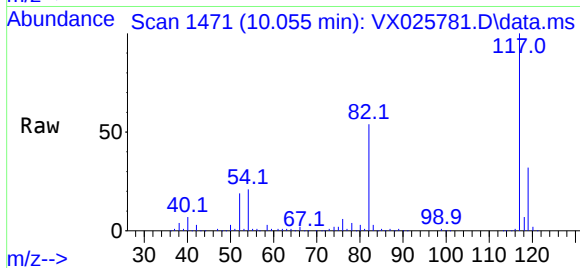




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

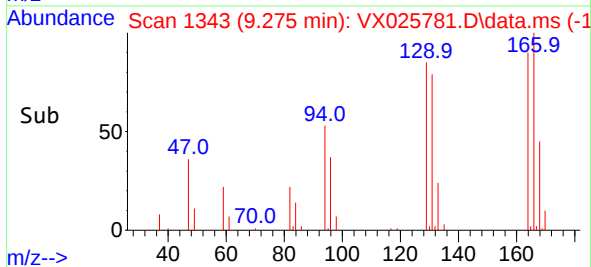
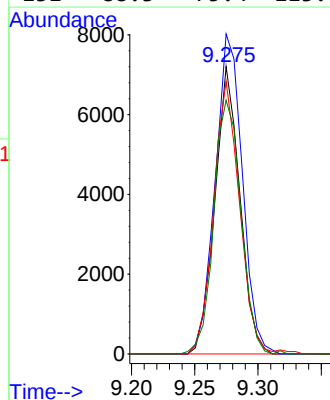
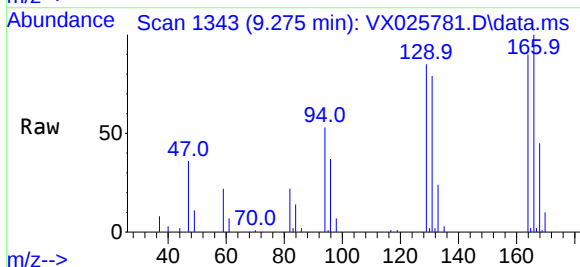
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

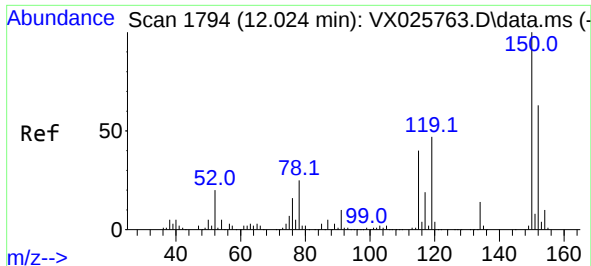
Tgt Ion:117 Resp: 214901
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 5.757 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

Tgt Ion:164 Resp: 9869
Ion Ratio Lower Upper
164 100
166 111.3 99.4 149.0
129 94.8 78.6 118.0
131 88.3 75.4 113.0

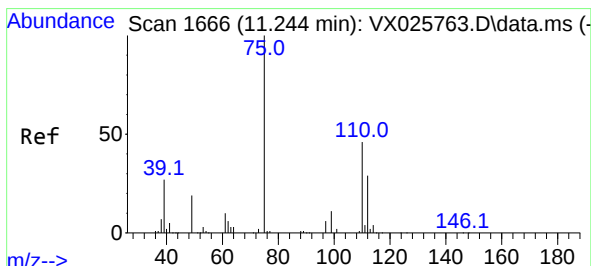
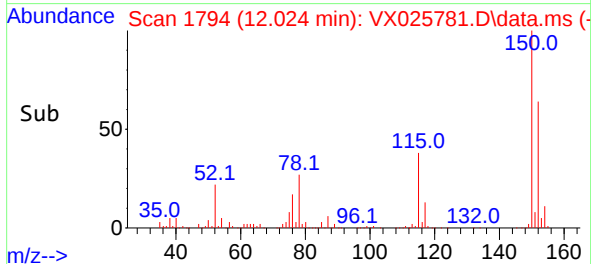
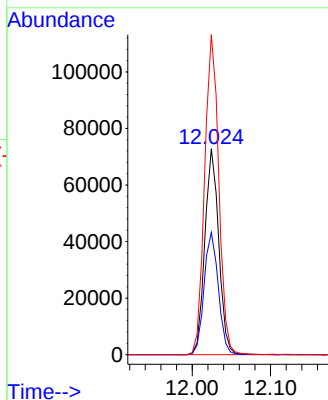
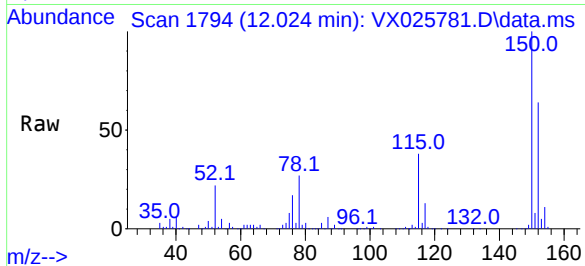




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

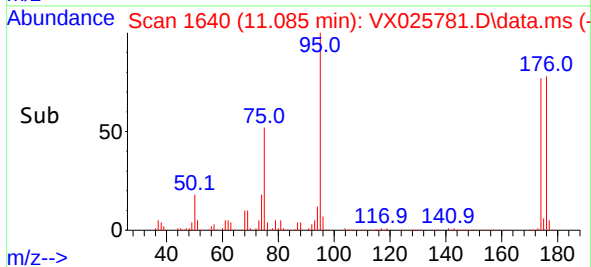
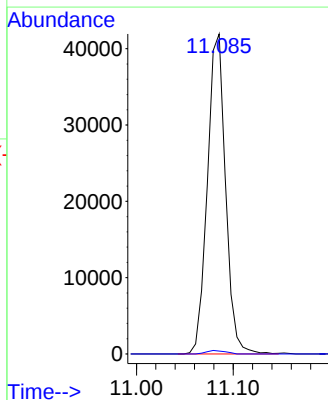
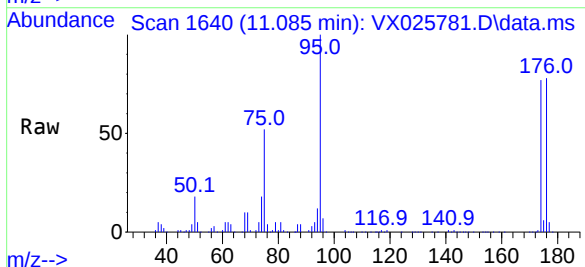
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20211206

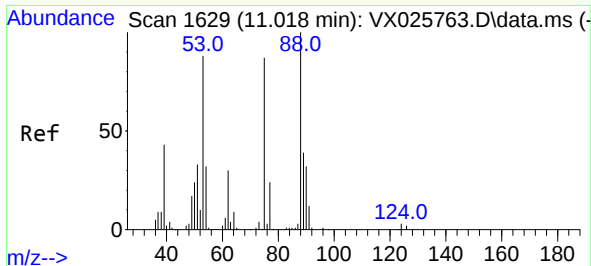
Tgt Ion:152 Resp: 89701
Ion Ratio Lower Upper
152 100
115 60.6 41.3 123.9
150 157.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 26.596 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025781.D
Acq: 14 Dec 2021 16:56

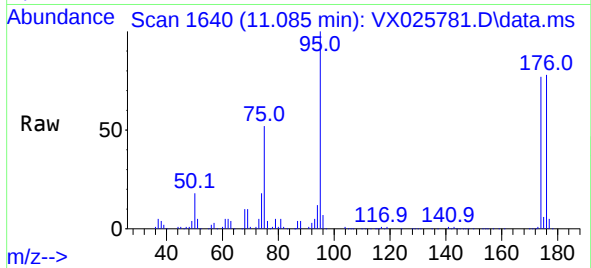
Tgt Ion: 75 Resp: 54660
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.454 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025781.D
 Acq: 14 Dec 2021 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20211206



Tgt Ion: 75 Resp: 54660
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.1 38.3 57.5#

