

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025549.D
 Acq On : 06 Dec 2021 15:18
 Operator : JC/MD
 Sample : M4923-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20211130

Quant Time: Dec 07 06:00:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

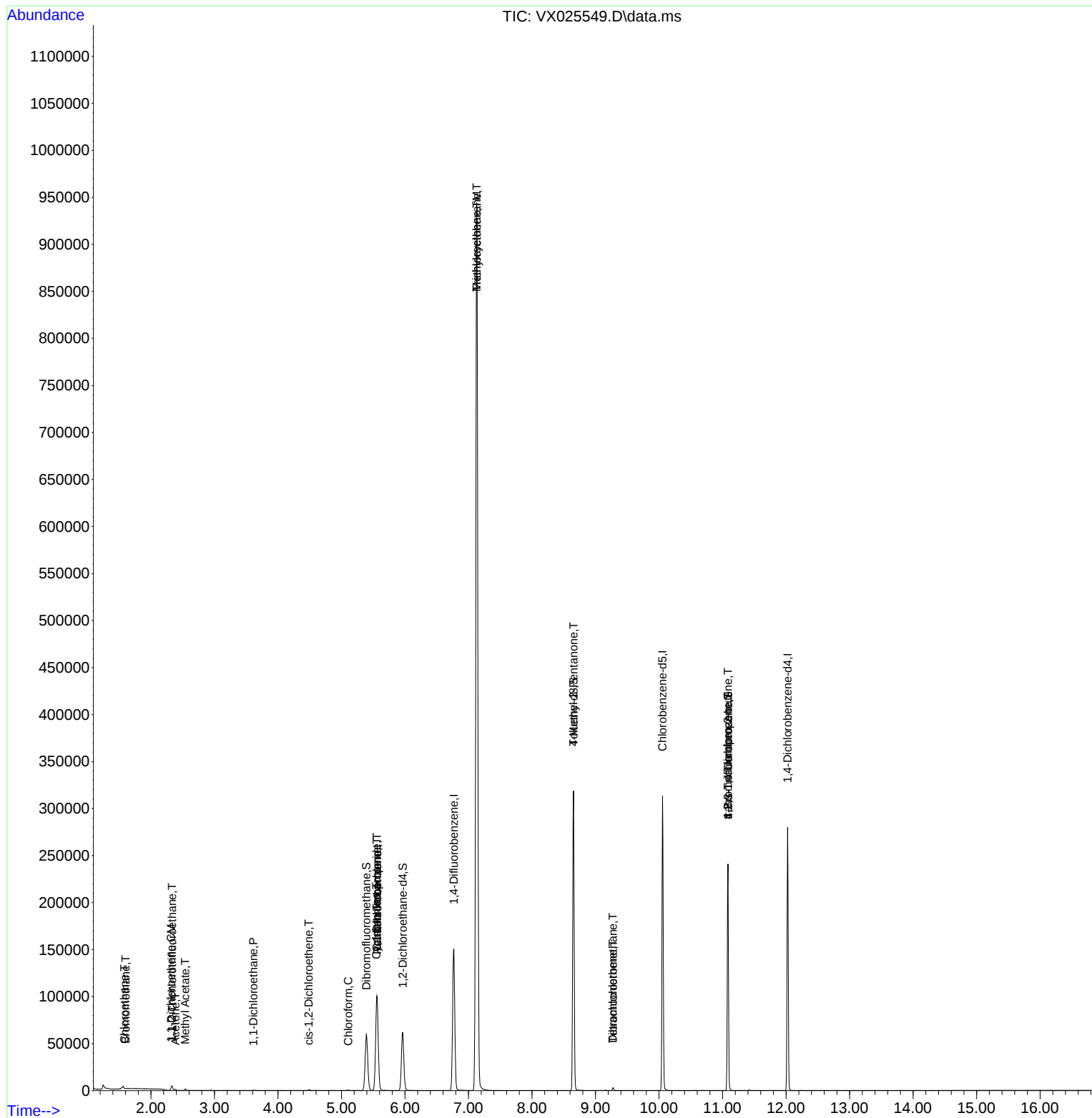
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	100794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	162394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	143442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59049	55.579	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.160%
35) Dibromofluoromethane	5.391	113	50566	50.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.500%
50) Toluene-d8	8.653	98	188152	50.223	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.440%
62) 4-Bromofluorobenzene	11.085	95	62923	44.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	120	0.235	ug/l #	3
6) Chloroethane	1.581	64	1696	2.069	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	1964	2.094	ug/l	94
11) Tert butyl alcohol	2.977	59	21	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	256	0.274	ug/l #	73
16) Acetone	2.386	43	1099	1.862	ug/l	92
18) Methyl Acetate	2.538	43	504	0.267	ug/l #	52
24) 1,1-Dichloroethane	3.611	63	393	0.223	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	494	0.413	ug/l	89
30) Chloroform	5.105	83	660	0.360	ug/l	100
31) Cyclohexane	5.550	56	1975	1.203	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	7301	5.153	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9648	6.183	ug/l #	16
39) Methylcyclohexane	7.129	83	4088	2.249	ug/l #	1
44) Trichloroethene	7.129	130	377762	302.981	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	821	0.488	ug/l #	1
60) Dibromochloromethane	9.275	129	537	0.419	ug/l #	11
64) Tetrachloroethene	9.275	164	549	0.464	ug/l #	93
76) 1,2,3-Trichloropropane	11.085	75	30793	25.173	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	30793	63.414	ug/l #	9

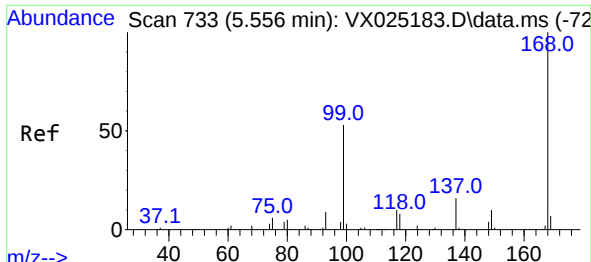
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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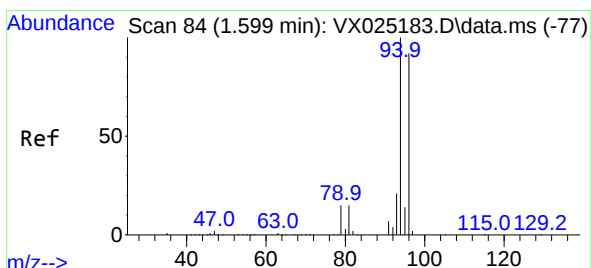
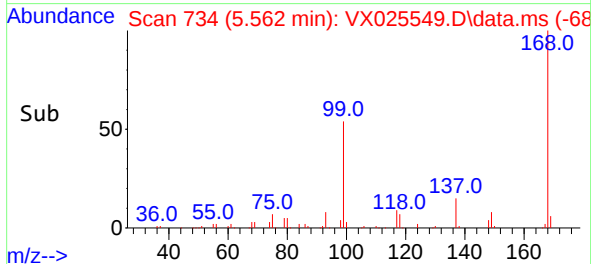
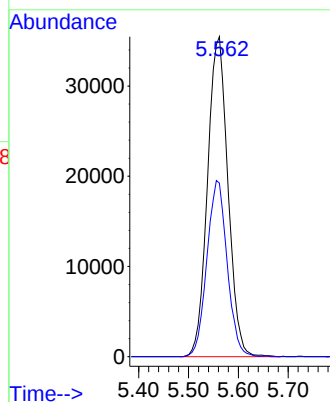
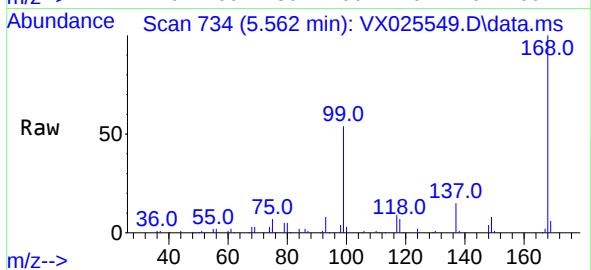




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

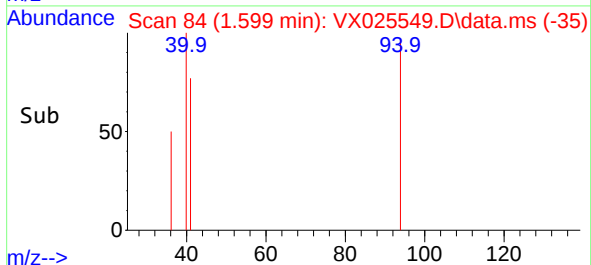
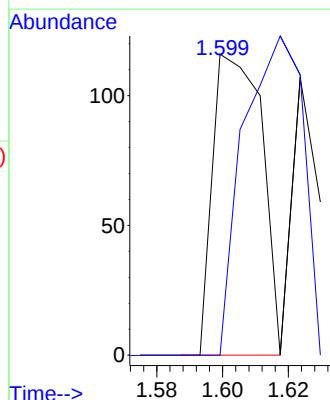
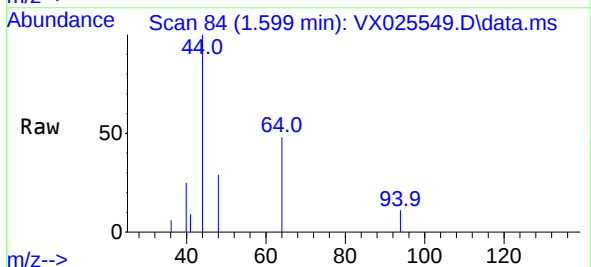
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

Tgt Ion:168 Resp: 100794
Ion Ratio Lower Upper
168 100
99 54.3 46.4 69.6

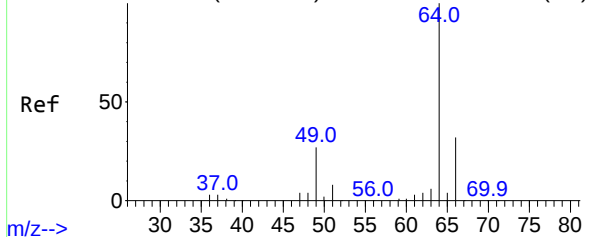


#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

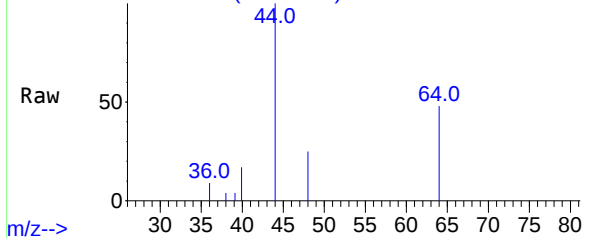
Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



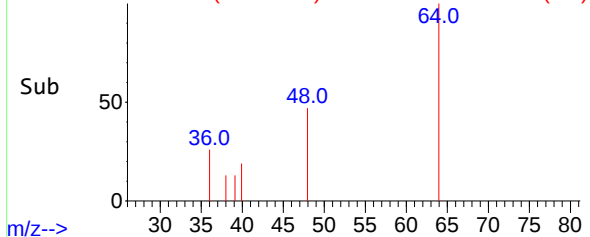
Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



Abundance Scan 81 (1.581 min): VX025549.D\data.ms



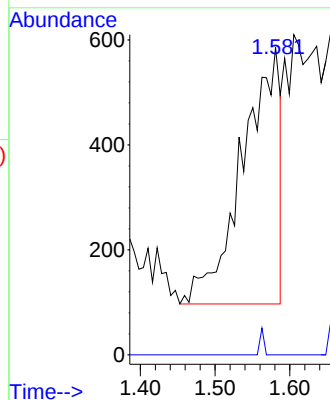
Abundance Scan 81 (1.581 min): VX025549.D\data.ms (-48)



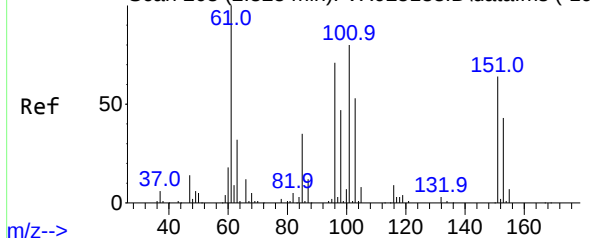
#6
Chloroethane
Concen: 2.069 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.098 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 64 Resp: 1696
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

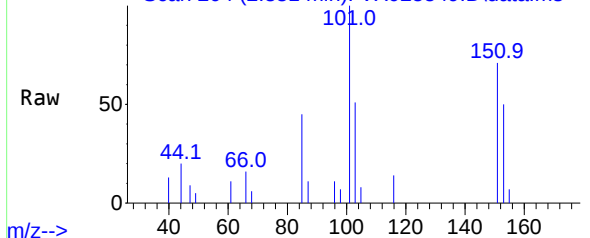
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130



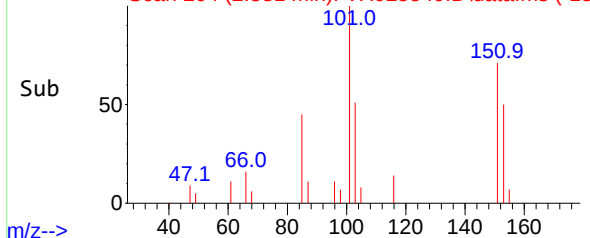
Abundance Scan 203 (2.325 min): VX025183.D\data.ms (-19)



Abundance Scan 204 (2.331 min): VX025549.D\data.ms

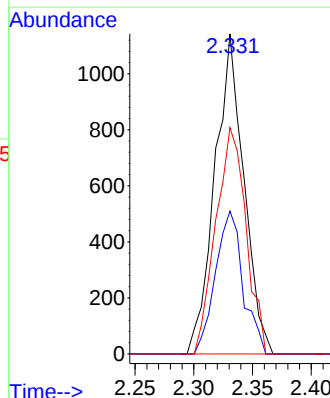


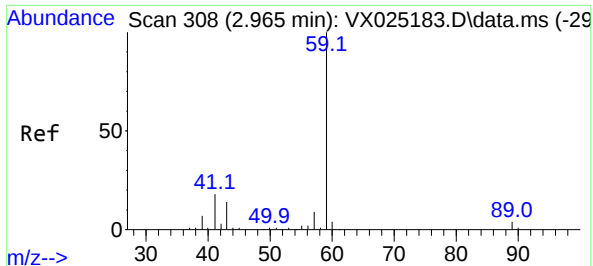
Abundance Scan 204 (2.331 min): VX025549.D\data.ms (-15)



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.094 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 101 Resp: 1964
Ion Ratio Lower Upper
101 100
85 42.4 35.9 53.9
151 73.6 64.4 96.6





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.977 min Scan# 310

Delta R.T. 0.012 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

Instrument :

MSVOA_X

ClientSampleId :

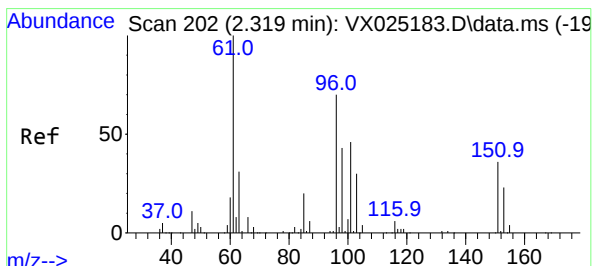
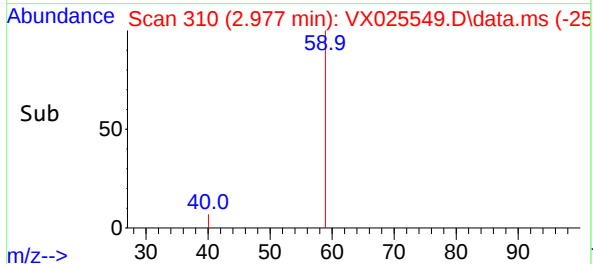
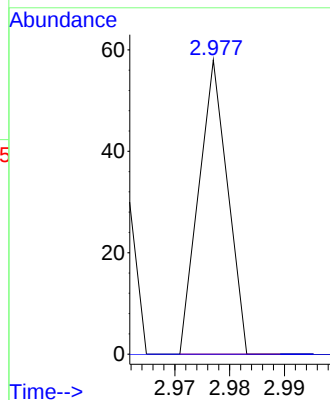
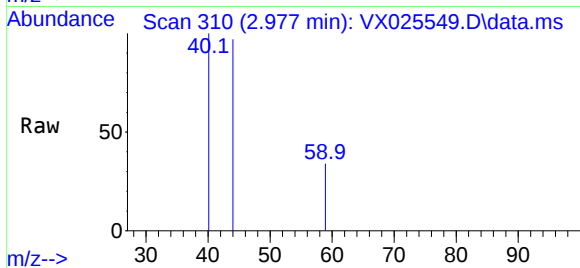
RE103D2-20211130

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 0.274 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

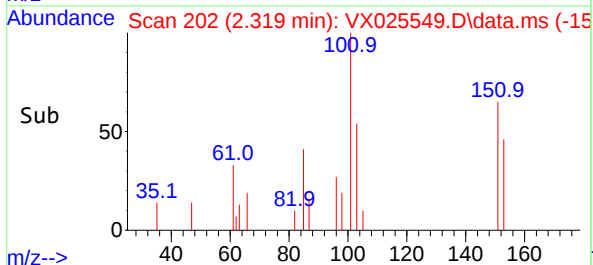
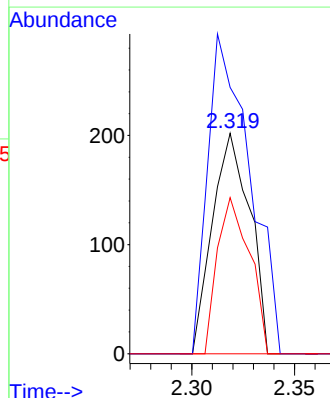
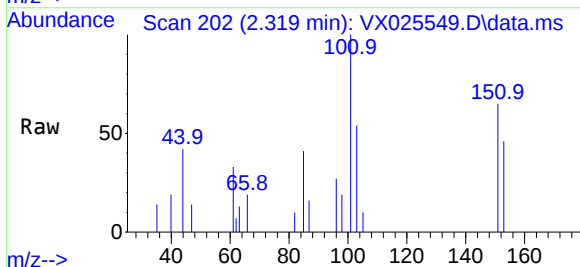
Tgt Ion: 96 Resp: 256

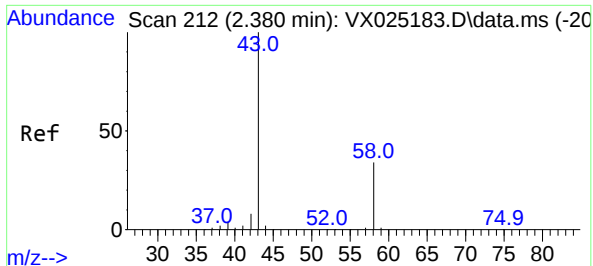
Ion Ratio Lower Upper

96 100

61 120.8 134.1 201.1#

98 70.8 51.5 77.3

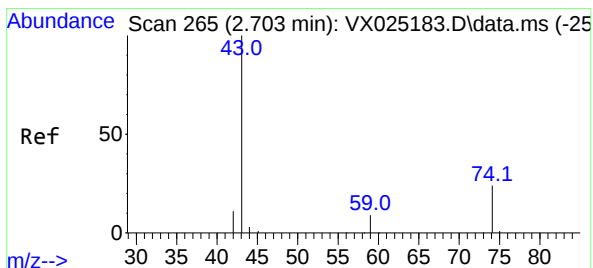
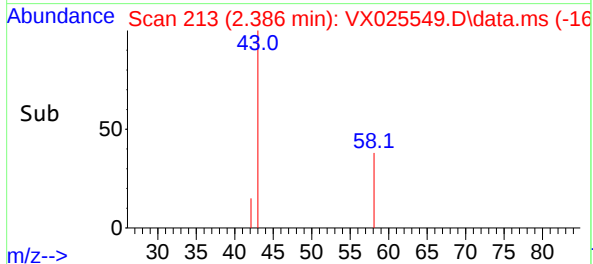
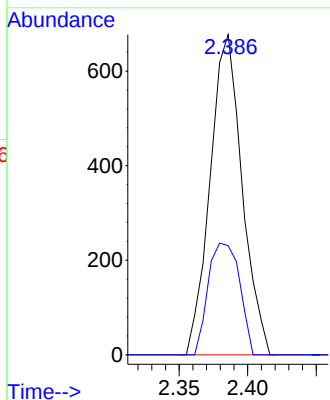
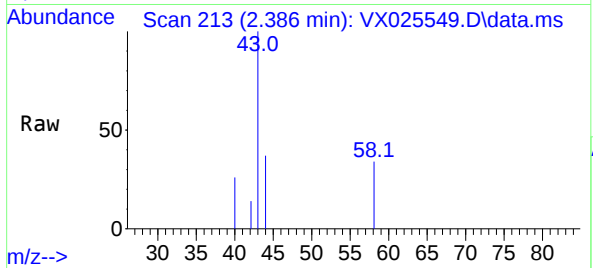




#16
Acetone
Concen: 1.862 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

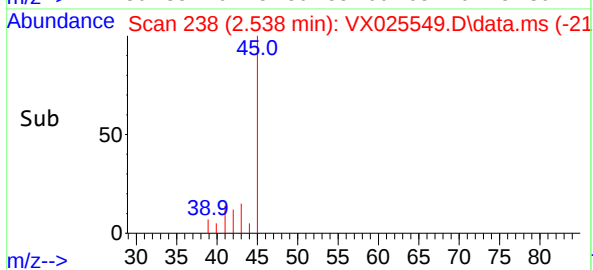
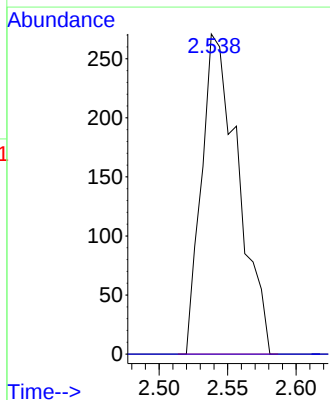
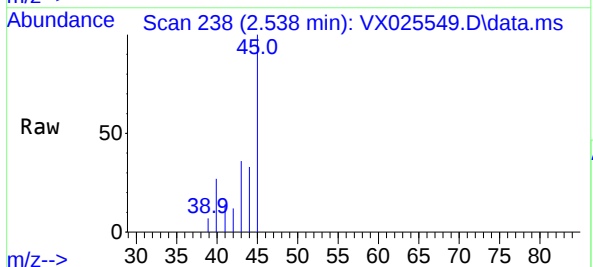
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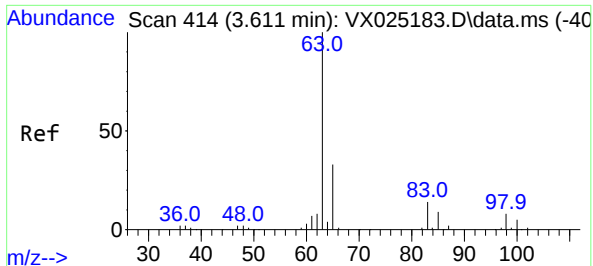
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 34.1 24.0 36.0



#18
Methyl Acetate
Concen: 0.267 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.165 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

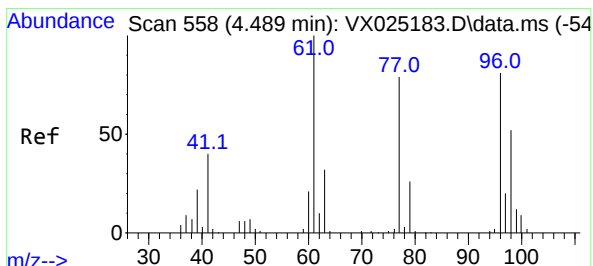
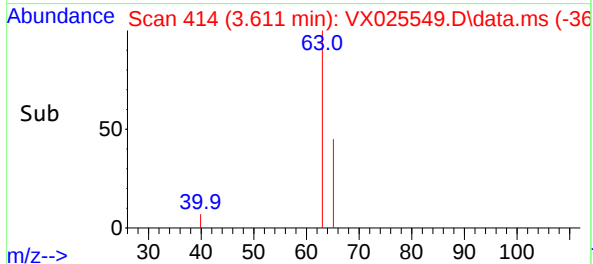
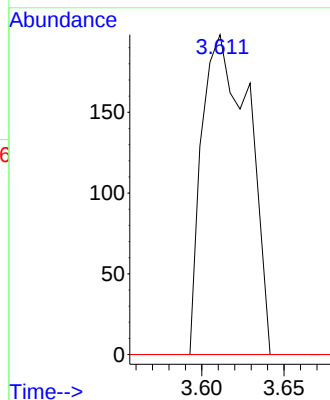
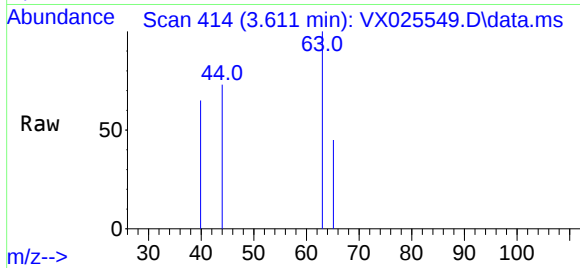




#24
1,1-Dichloroethane
Concen: 0.223 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

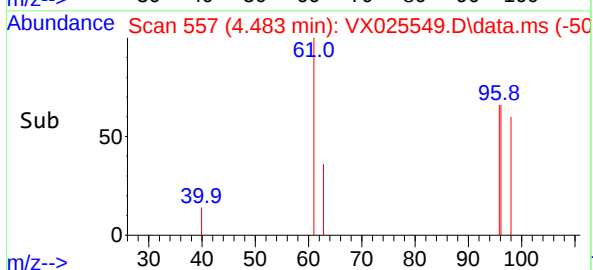
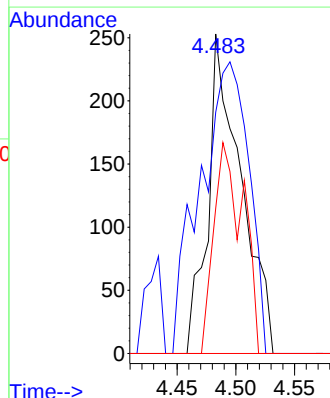
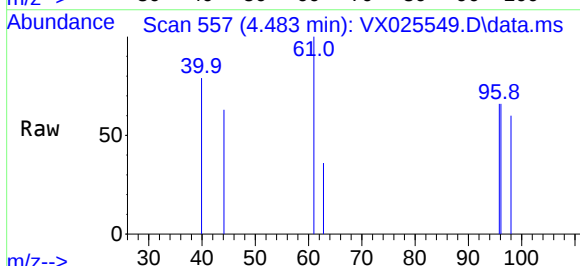
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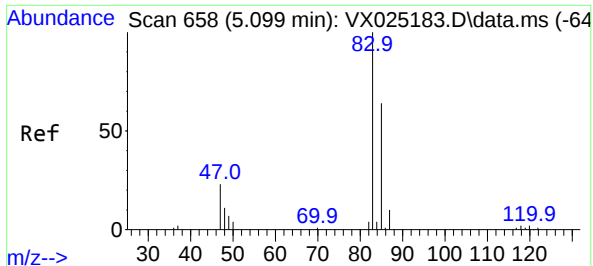
Tgt Ion: 63 Resp: 393
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.2#



#27
cis-1,2-Dichloroethene
Concen: 0.413 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 96 Resp: 494
Ion Ratio Lower Upper
96 100
61 134.8 0.0 302.2
98 58.9 0.0 131.4





#30

Chloroform

Concen: 0.360 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

Instrument :

MSVOA_X

ClientSampleId :

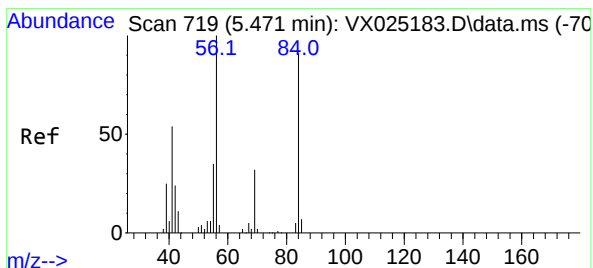
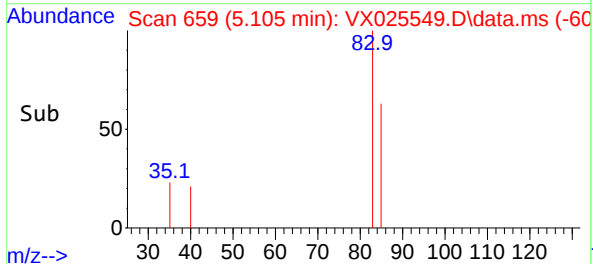
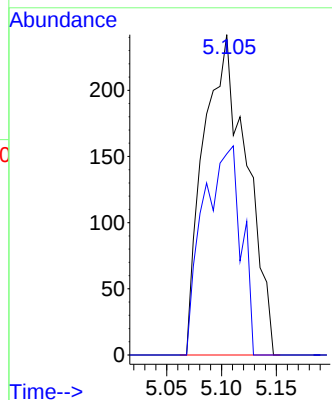
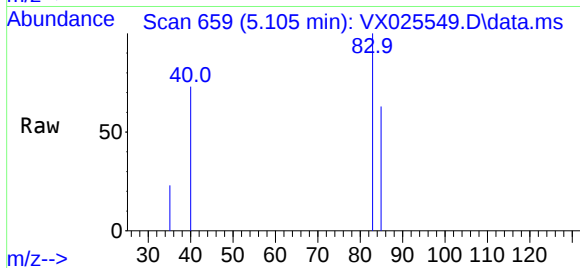
RE103D2-20211130

Tgt Ion: 83 Resp: 660

Ion Ratio Lower Upper

83 100

85 62.8 50.2 75.2



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

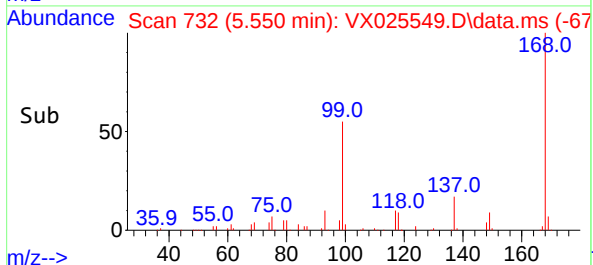
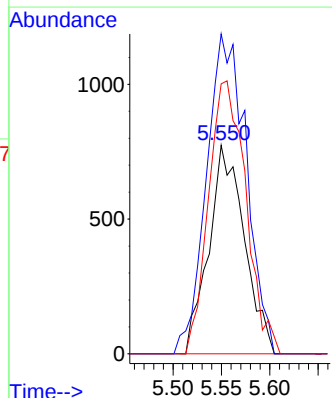
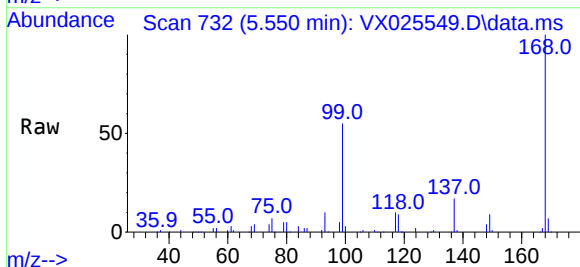
Tgt Ion: 56 Resp: 1975

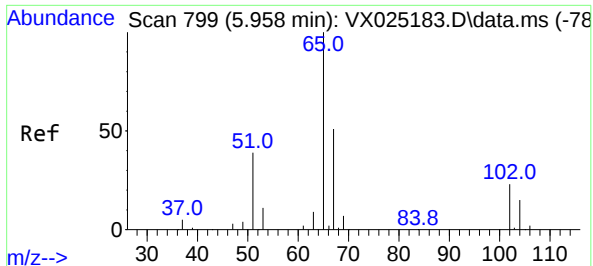
Ion Ratio Lower Upper

56 100

69 153.4 24.2 36.2#

84 129.5 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 55.579 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

Instrument :

MSVOA_X

ClientSampleId :

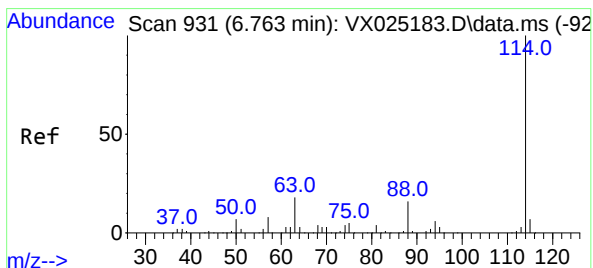
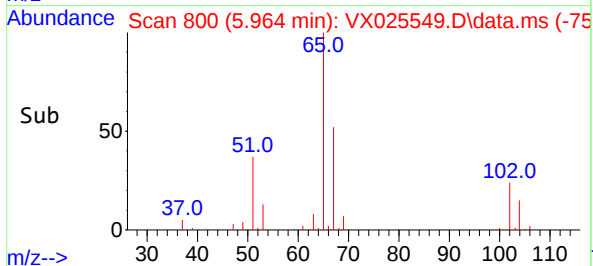
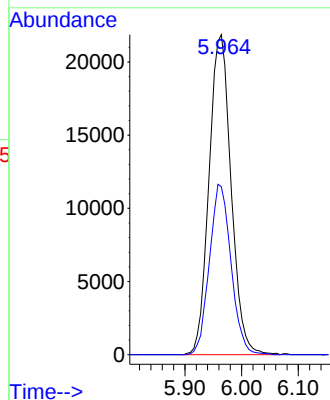
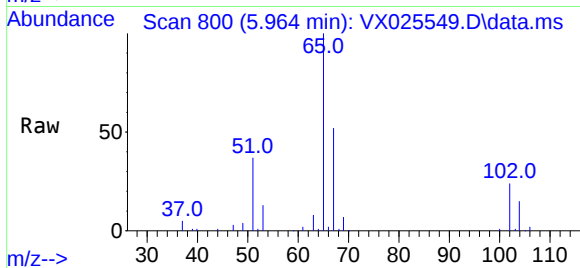
RE103D2-20211130

Tgt Ion: 65 Resp: 59049

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

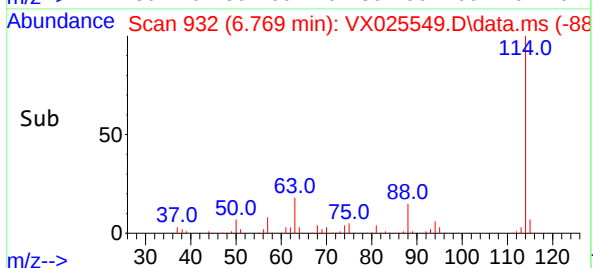
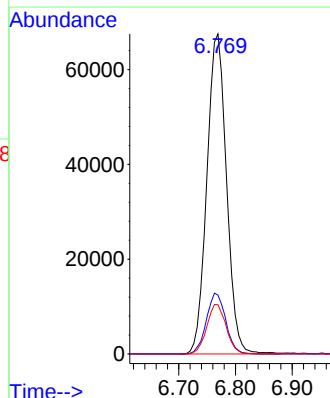
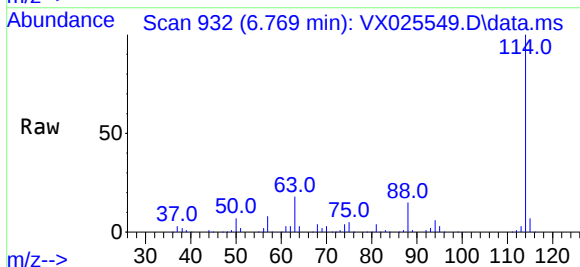
Tgt Ion: 114 Resp: 162394

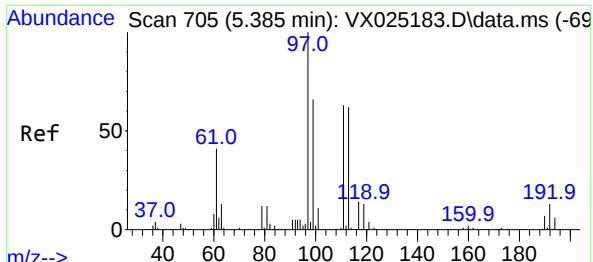
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.749 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20211130

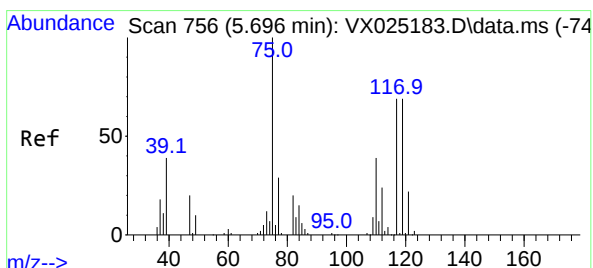
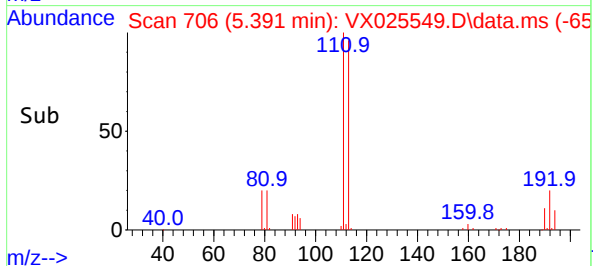
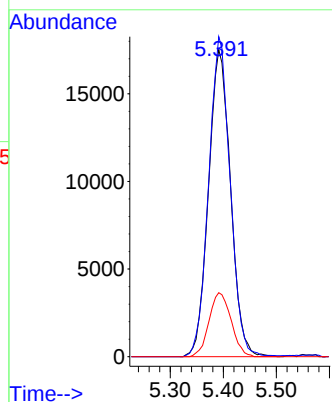
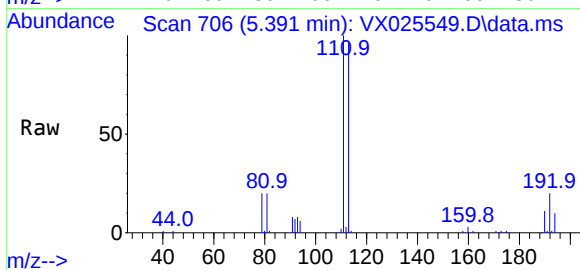
Tgt Ion:113 Resp: 50566

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

192 20.8 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

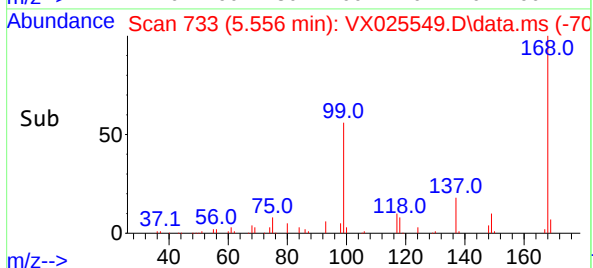
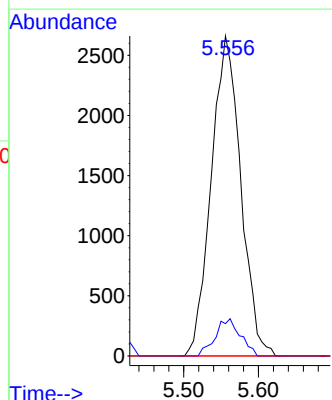
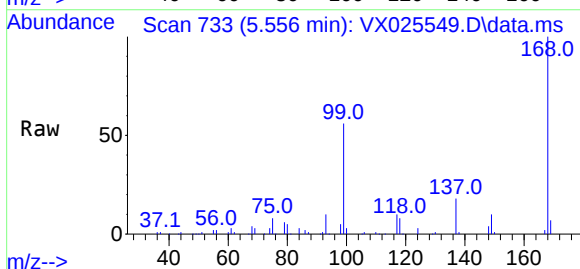
Tgt Ion: 75 Resp: 7301

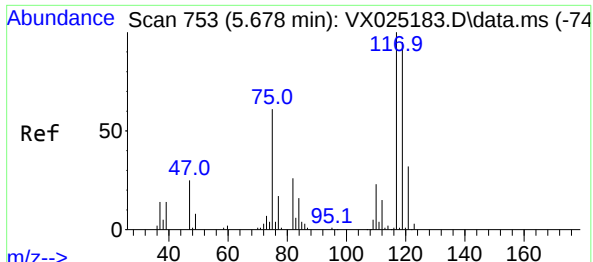
Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.3#

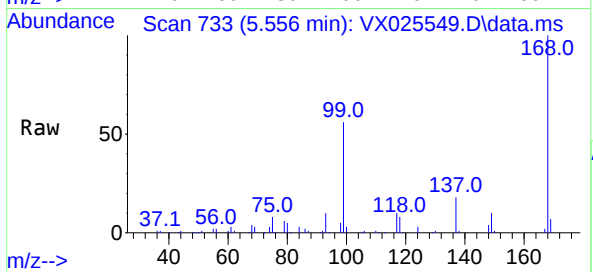
77 0.0 24.4 36.6#



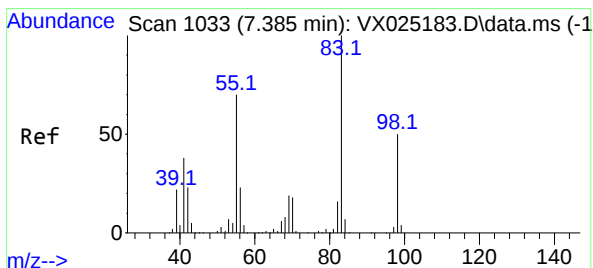
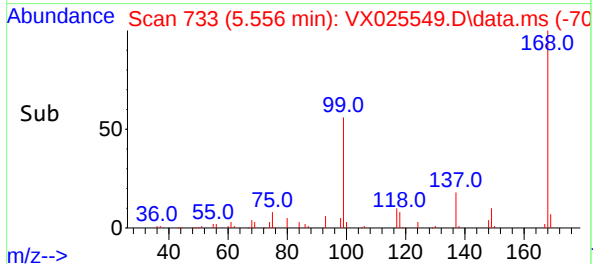
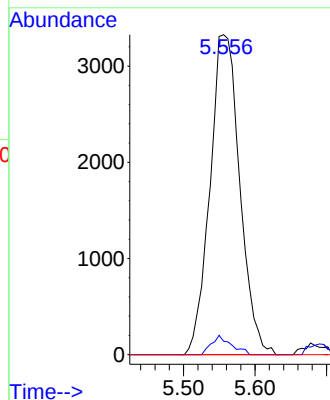


#38
Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

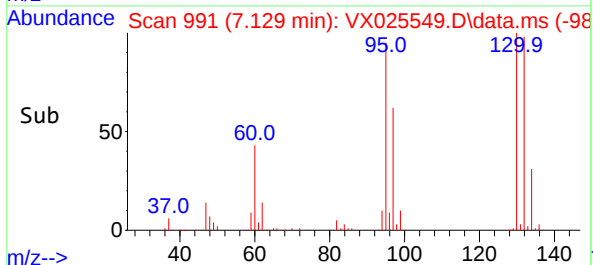
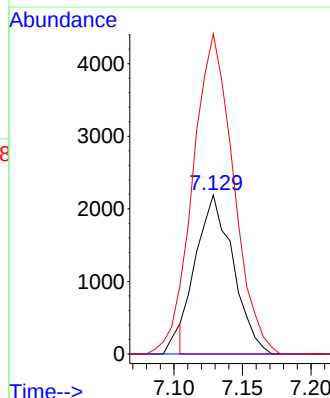
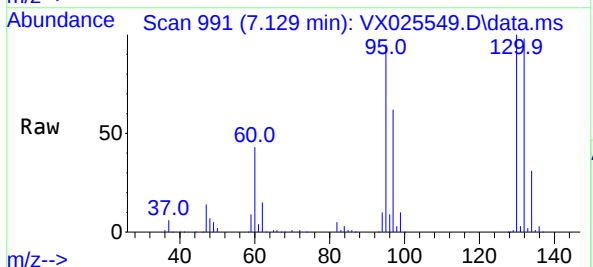


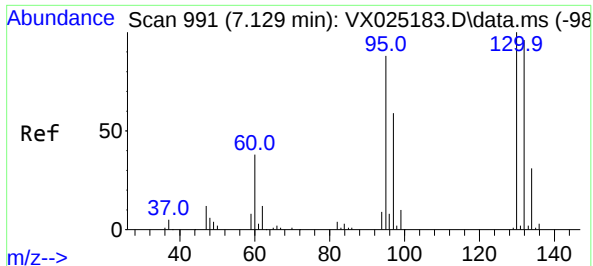
Tgt Ion:117 Resp: 9648
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 2.249 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 83 Resp: 4088
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 201.2 37.0 55.4#

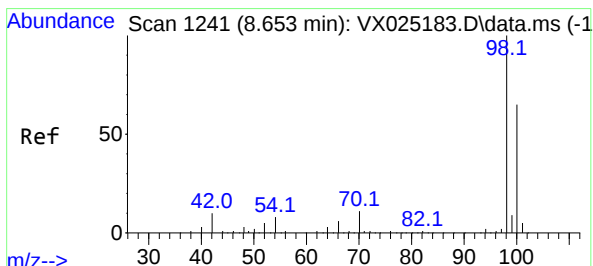
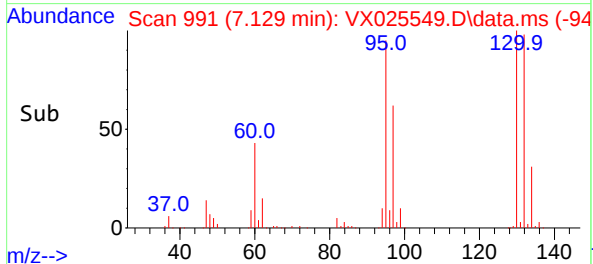
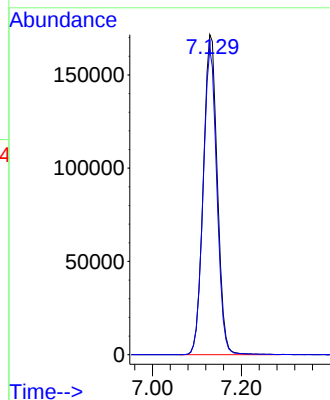
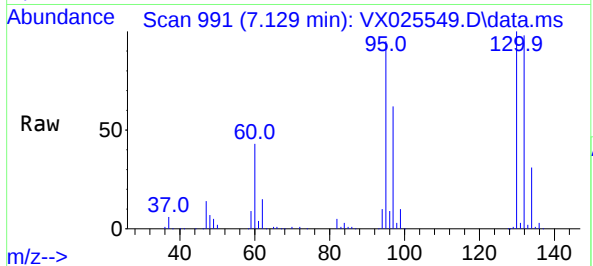




#44
Trichloroethene
Concen: 302.981 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

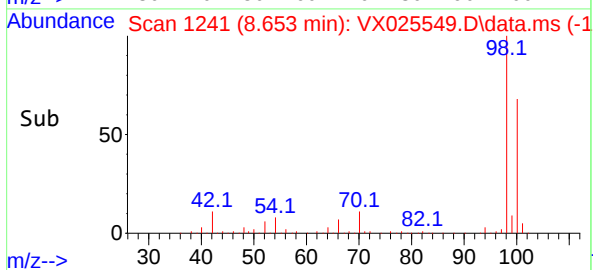
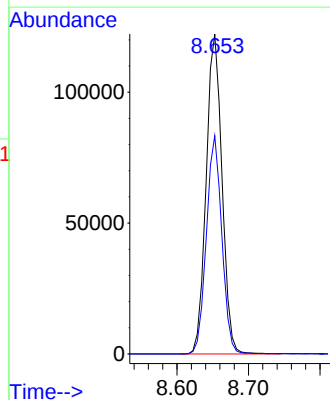
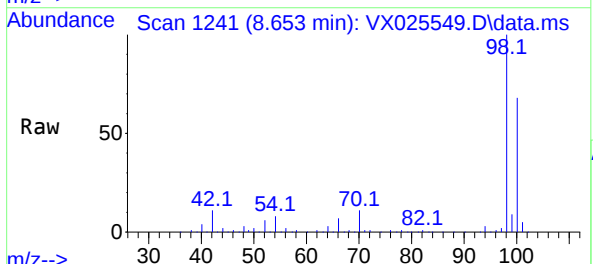
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

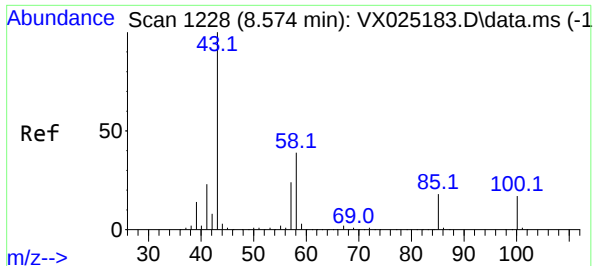
Tgt Ion:130 Resp: 377762
Ion Ratio Lower Upper
130 100
95 95.4 0.0 196.8



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 98 Resp: 188152
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.488 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX025549.D

Acq: 06 Dec 2021 15:18

Instrument :

MSVOA_X

ClientSampleId :

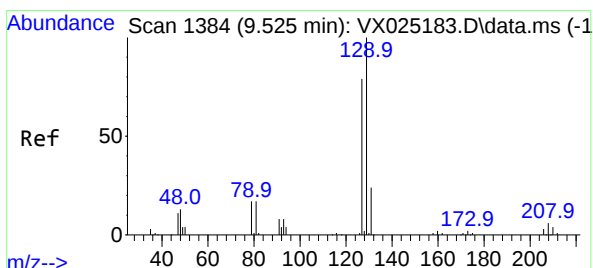
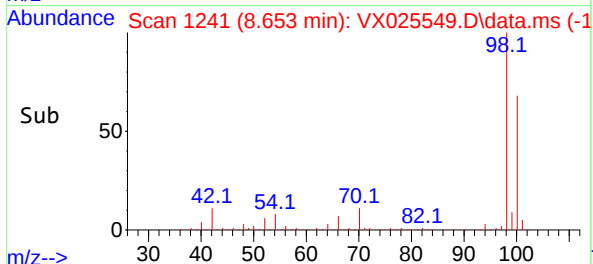
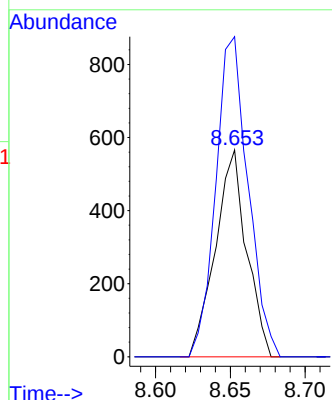
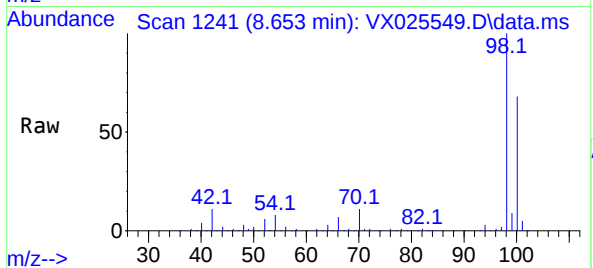
RE103D2-20211130

Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

58 160.3 30.9 46.3#



#60

Dibromochloromethane

Concen: 0.419 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025549.D

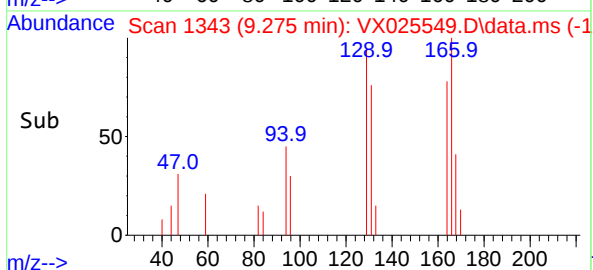
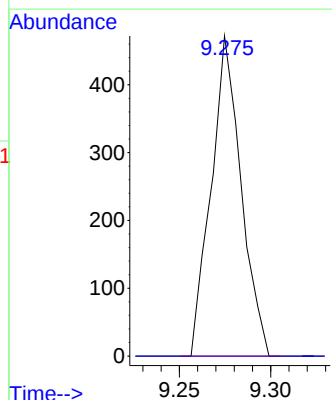
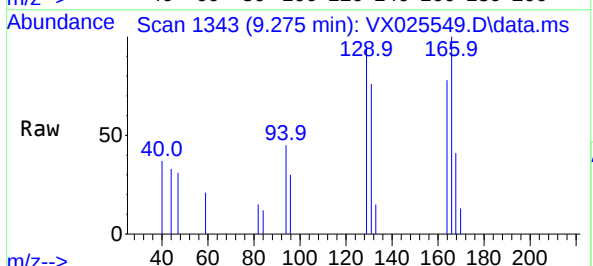
Acq: 06 Dec 2021 15:18

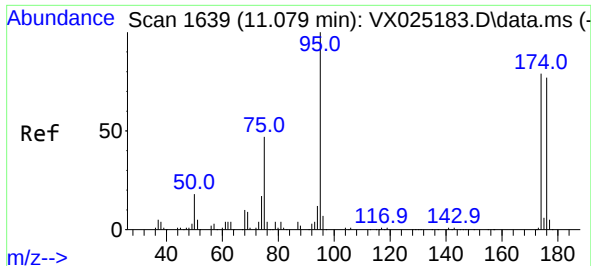
Tgt Ion: 129 Resp: 537

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

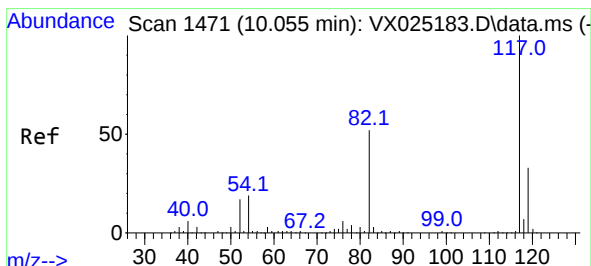
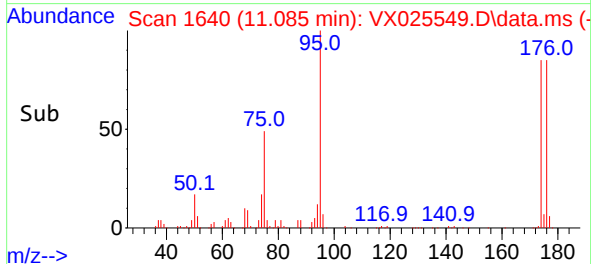
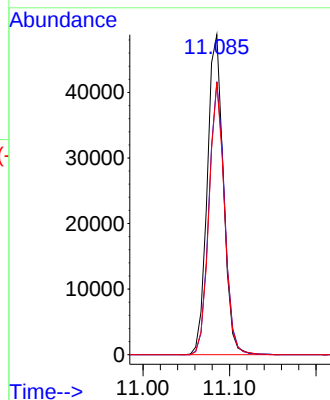
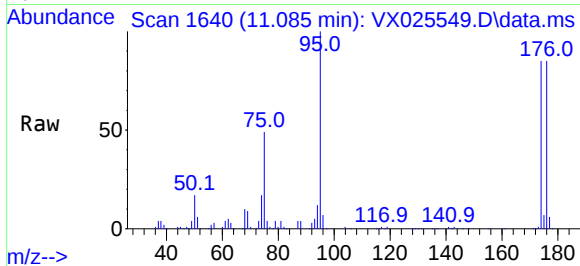




#62
4-Bromofluorobenzene
Concen: 44.397 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

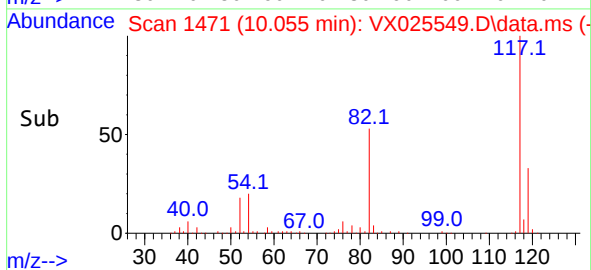
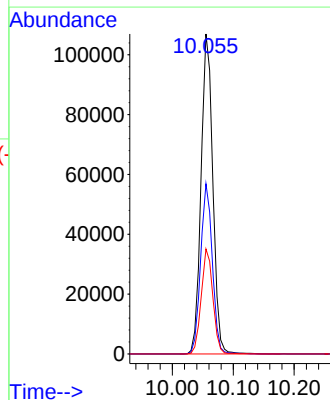
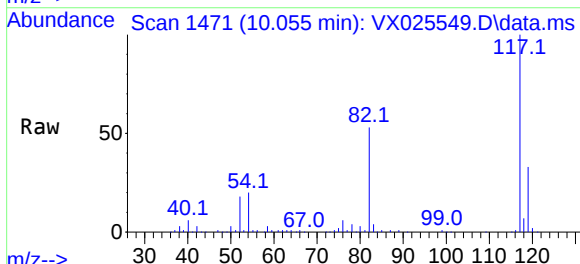
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

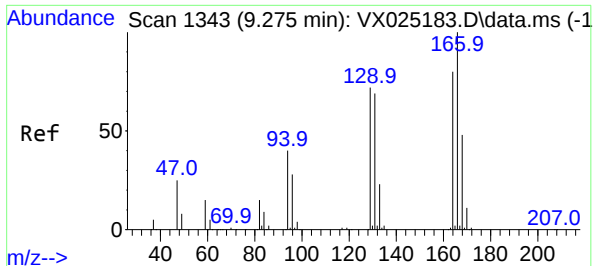
Tgt Ion: 95 Resp: 62923
Ion Ratio Lower Upper
95 100
174 82.9 0.0 158.0
176 81.3 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 117 Resp: 143442
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 32.8 24.8 37.2



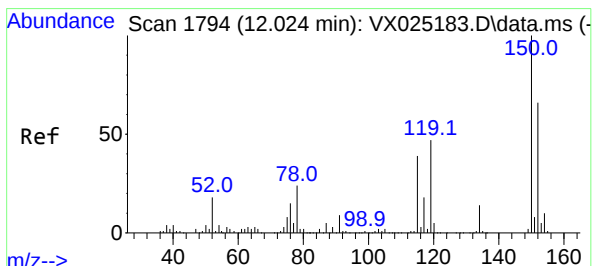
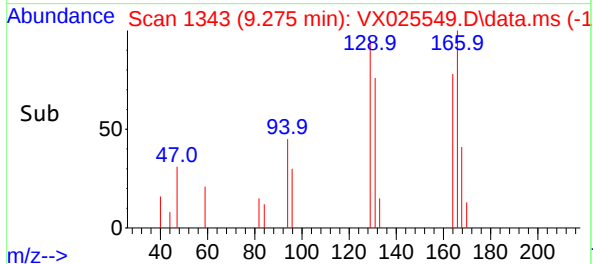
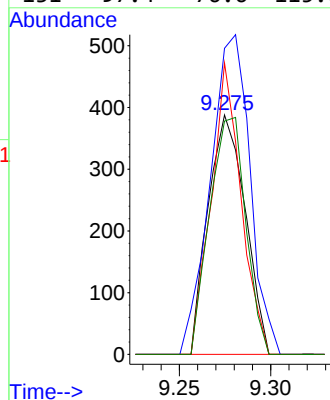
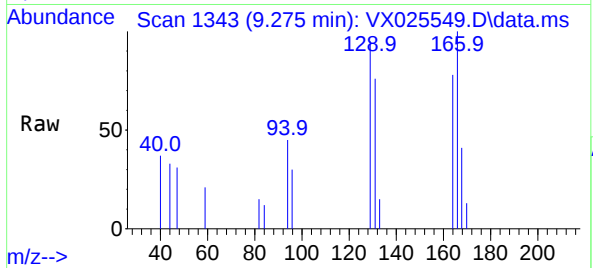


#64
Tetrachloroethene
Concen: 0.464 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

Tgt Ion:164 Resp: 549

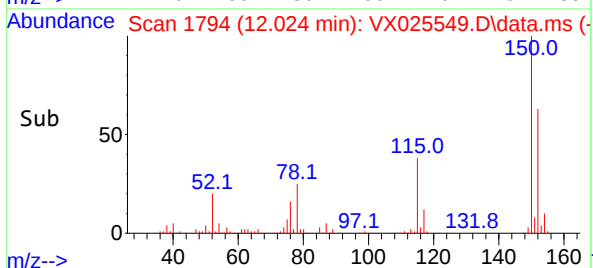
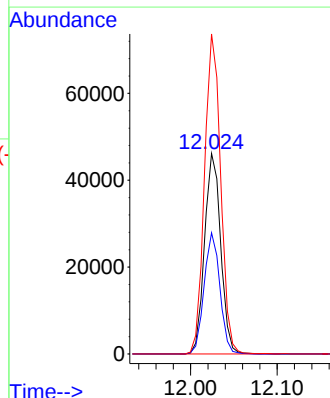
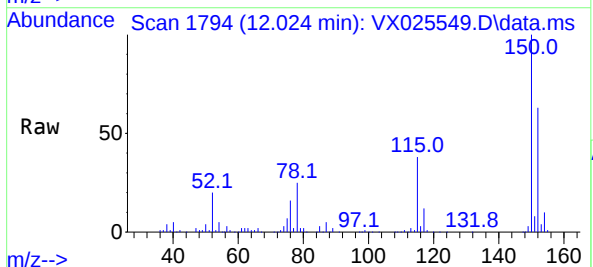
Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.2	154.8
129	121.6	81.0	121.4#
131	97.4	76.6	115.0

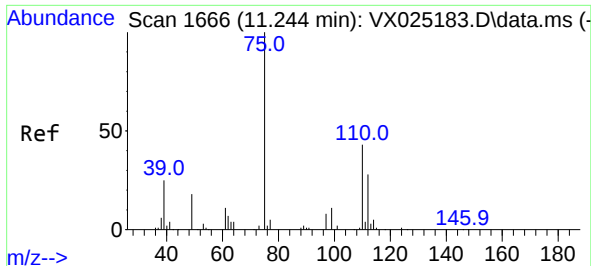


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion:152 Resp: 59736

Ion	Ratio	Lower	Upper
152	100		
115	59.0	43.3	129.8
150	159.7	0.0	351.2

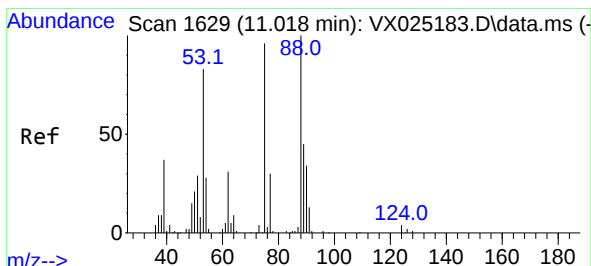
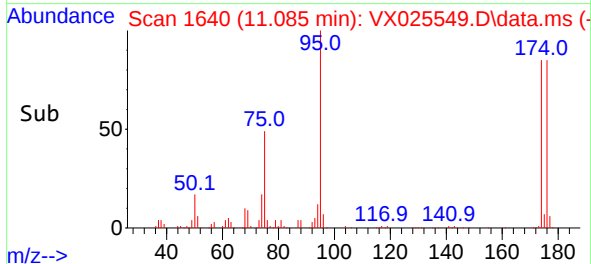
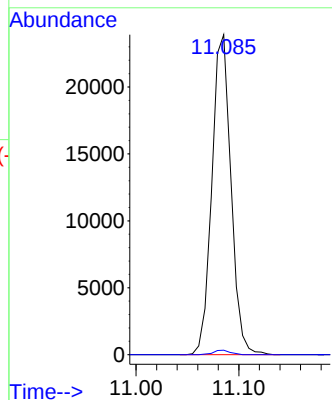
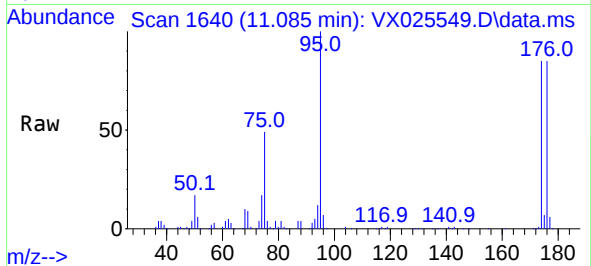




#76
1,2,3-Trichloropropane
Concen: 25.173 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20211130

Tgt Ion: 75 Resp: 30793
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025549.D
Acq: 06 Dec 2021 15:18

Tgt Ion: 75 Resp: 30793
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

