

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032903.D
 Acq On : 17 Nov 2022 16:25
 Operator : JC/MD
 Sample : N5671-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20221115

Quant Time: Nov 18 01:41:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

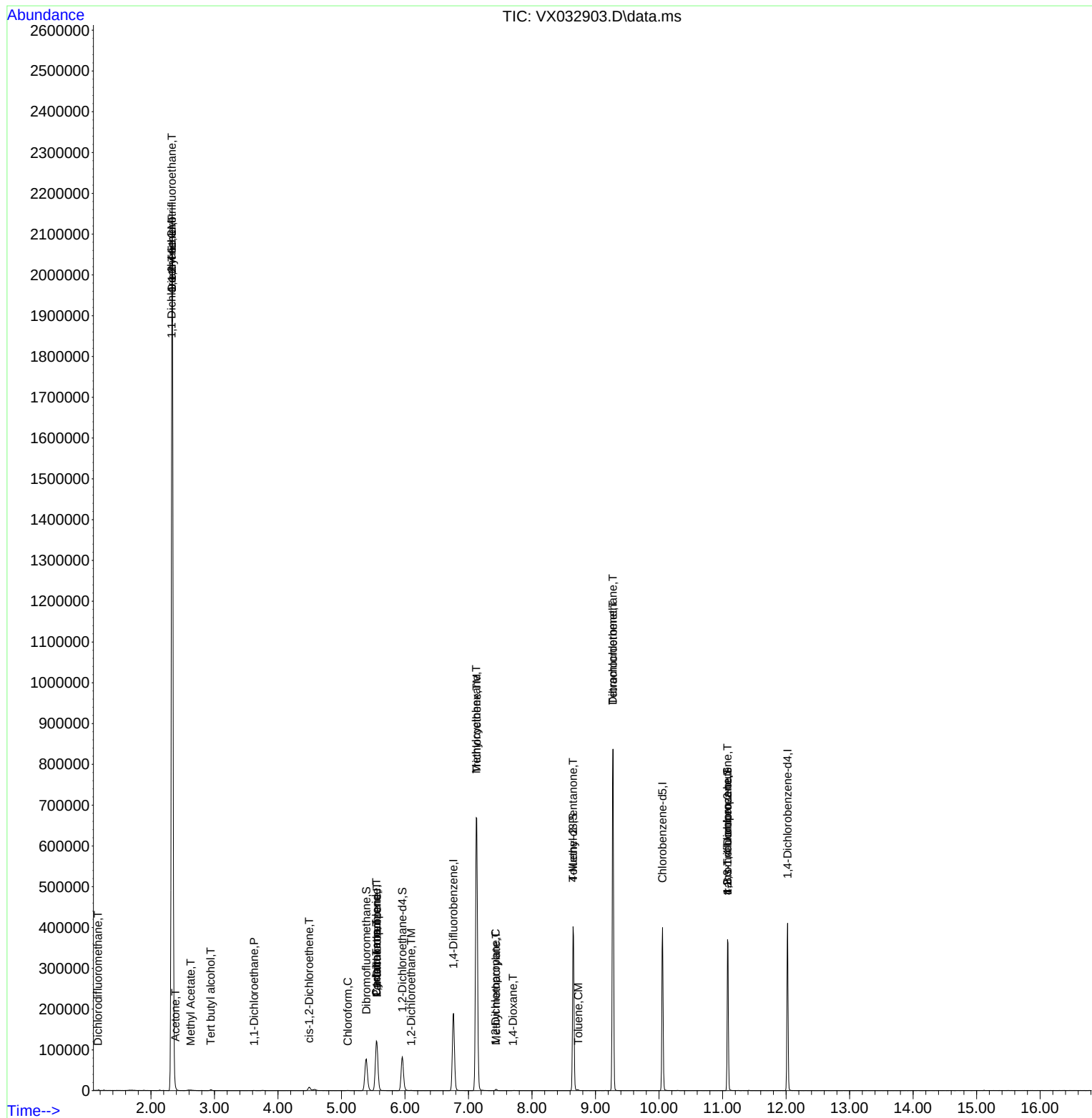
Internal Standards						
1) Pentafluorobenzene	5.556	168	116959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193001	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83137	51.158	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.320%	
35) Dibromofluoromethane	5.391	113	66016	47.953	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.900%	
50) Toluene-d8	8.646	98	239914	50.117	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	11.079	95	95346	50.989	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	291	0.216	ug/l	79
8) Diethyl Ether	2.330	74	611	0.793	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.330	101	822107	654.749	ug/l	100
11) Tert butyl alcohol	2.940	59	1258	5.318	ug/l #	72
12) 1,1-Dichloroethene	2.324	96	6387	5.445	ug/l	87
16) Acetone	2.385	43	778	1.317	ug/l #	83
18) Methyl Acetate	2.623	43	893	0.465	ug/l #	51
24) 1,1-Dichloroethane	3.623	63	717	0.308	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	5396	3.656	ug/l	94
30) Chloroform	5.098	83	748	0.293	ug/l #	78
31) Cyclohexane	5.549	56	2620	1.330	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9204	4.801	ug/l #	49
38) Carbon Tetrachloride	5.549	117	12045	5.665	ug/l #	15
39) Methylcyclohexane	7.122	83	3181	1.402	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	595	0.268	ug/l #	77
44) Trichloroethene	7.128	130	260460	170.546	ug/l	100
45) 1,2-Dichloropropane	7.427	63	1309	0.940	ug/l	92
48) Methyl methacrylate	7.433	41	850	0.537	ug/l #	38
49) 1,4-Dioxane	7.701	88	348	11.540	ug/l #	63
51) 4-Methyl-2-Pentanone	8.646	43	1031	0.534	ug/l #	1
52) Toluene	8.726	92	782	0.221	ug/l	94
60) Dibromochloromethane	9.274	129	145230	89.199	ug/l #	11
64) Tetrachloroethene	9.274	164	149853	115.760	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	51687	27.392	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	51687	87.160	ug/l #	6

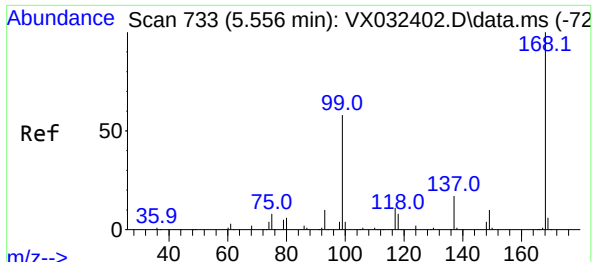
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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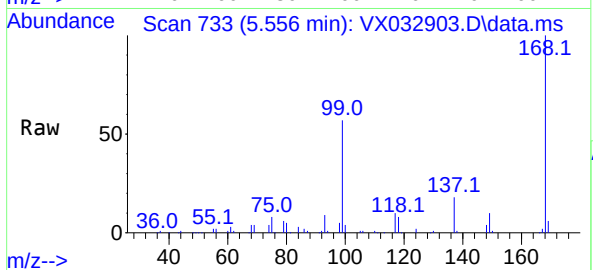
Quant Time: Nov 18 01:41:38 2022
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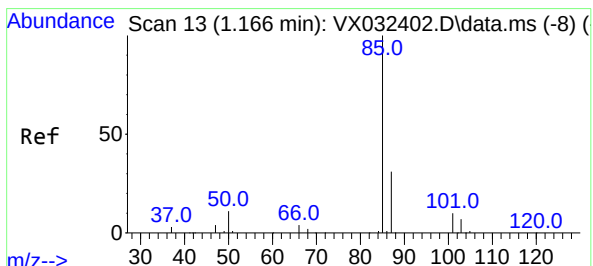
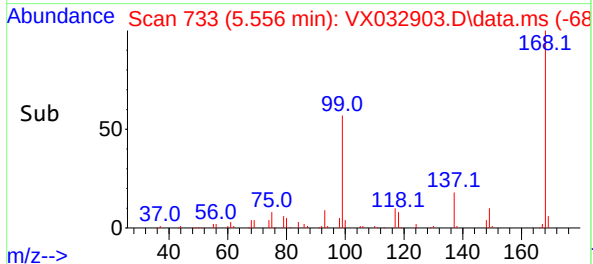
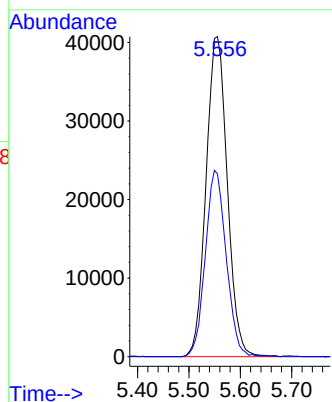


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

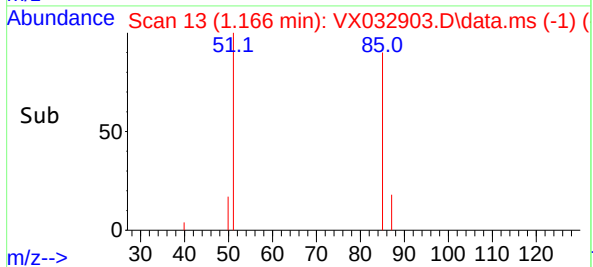
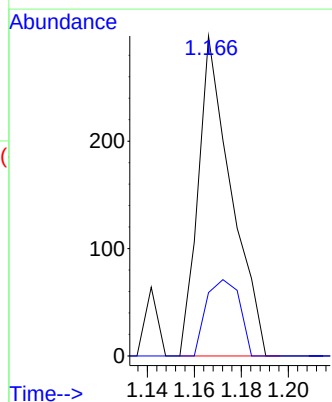
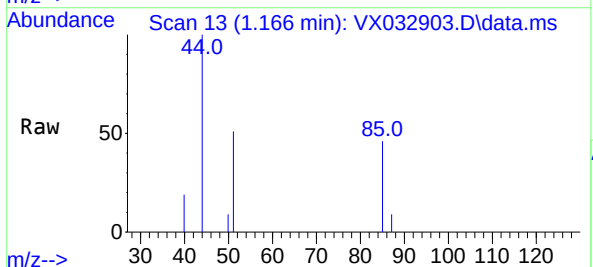


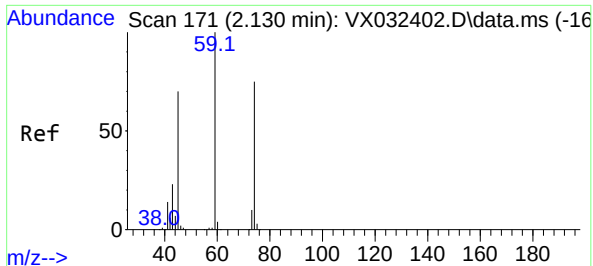
Tgt Ion:168 Resp: 116959
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 0.216 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 85 Resp: 291
Ion Ratio Lower Upper
85 100
87 19.8 15.6 46.7

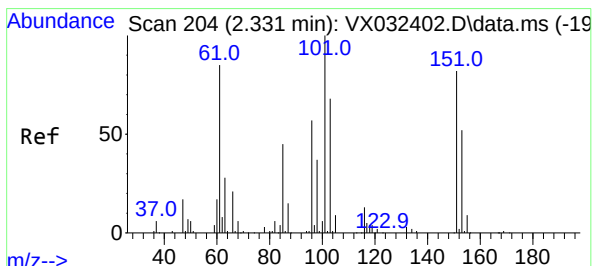
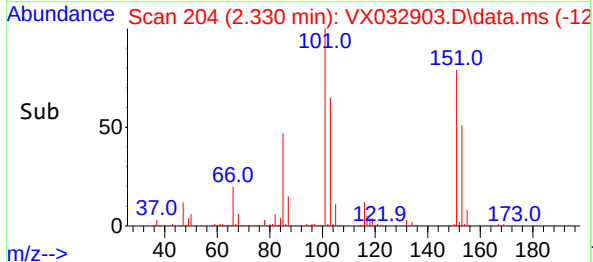
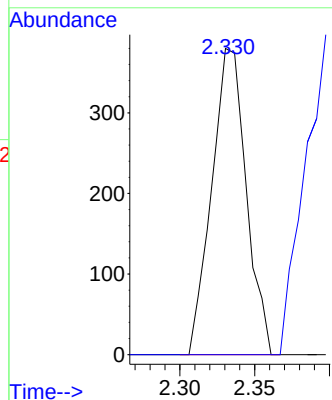
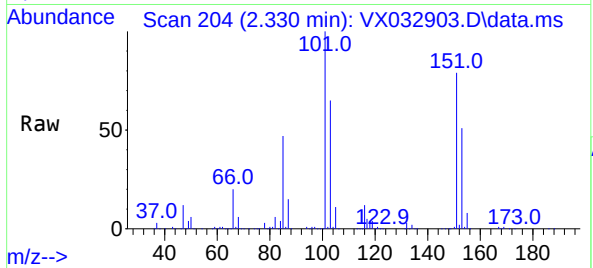




#8
Diethyl Ether
Concen: 0.793 ug/l
RT: 2.330 min Scan# 204
Delta R.T. 0.201 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

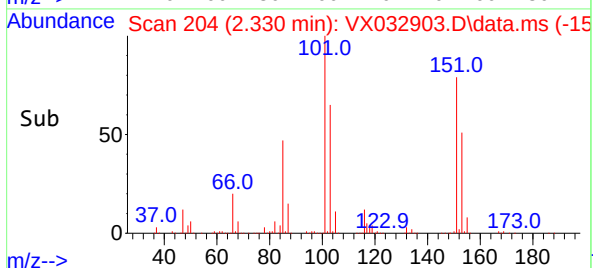
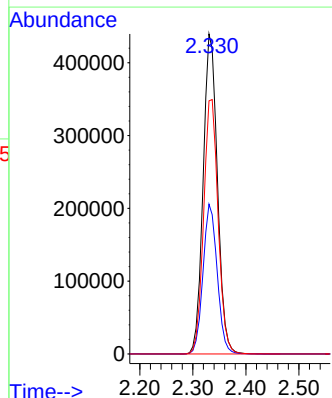
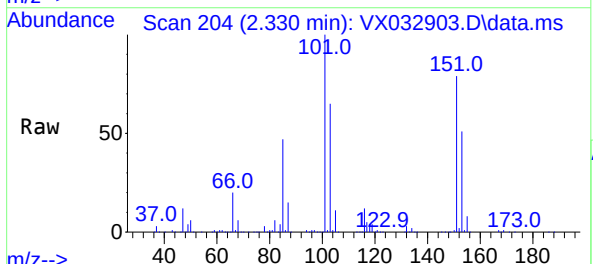
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

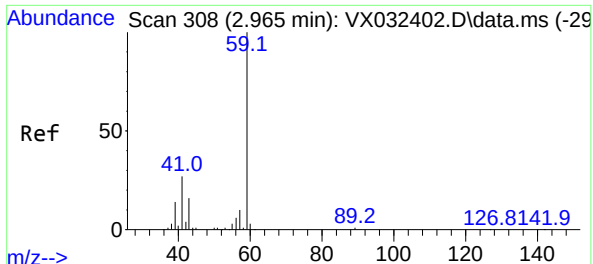
Tgt Ion: 74 Resp: 611
Ion Ratio Lower Upper
74 100
45 0.0 46.6 139.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 654.749 ug/l
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 101 Resp: 822107
Ion Ratio Lower Upper
101 100
85 46.5 37.0 55.4
151 80.9 64.4 96.6





#11

Tert butyl alcohol

Concen: 5.318 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

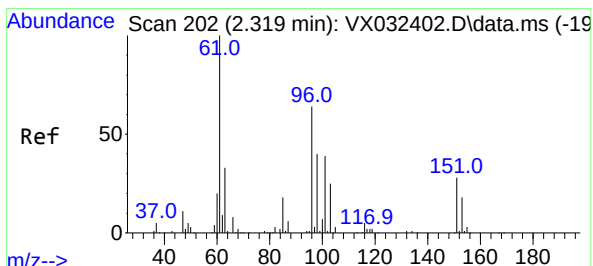
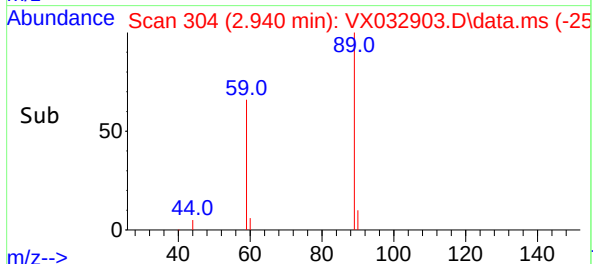
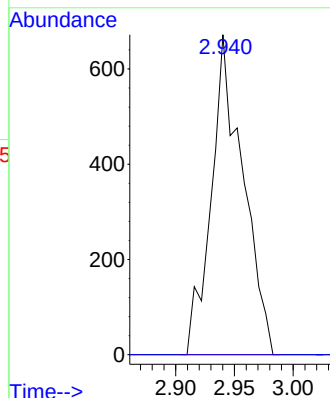
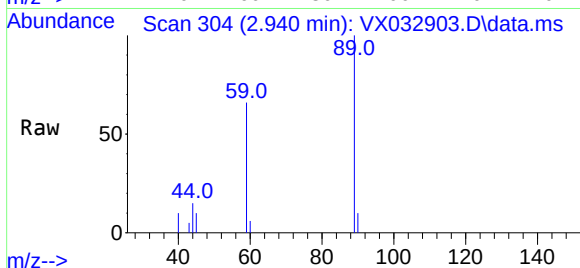
RE134D3-20221115

Tgt Ion: 59 Resp: 1258

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 5.445 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

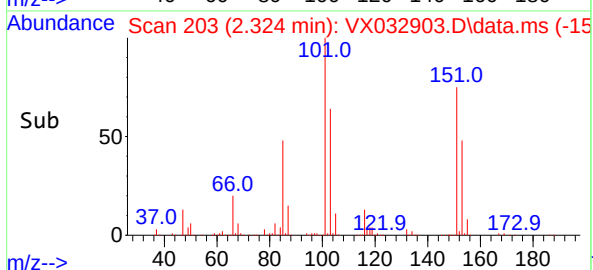
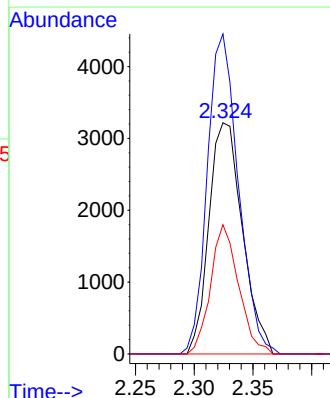
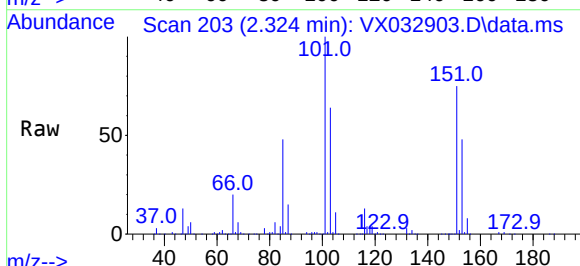
Tgt Ion: 96 Resp: 6387

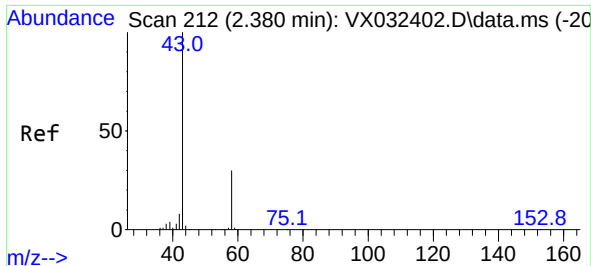
Ion Ratio Lower Upper

96 100

61 138.4 125.1 187.7

98 55.9 50.6 76.0

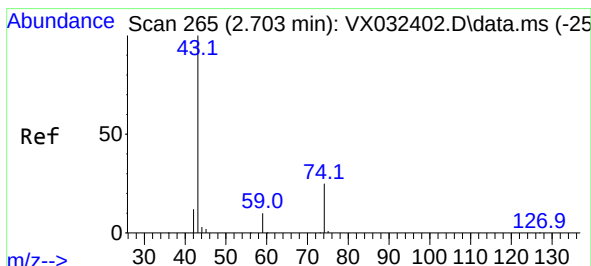
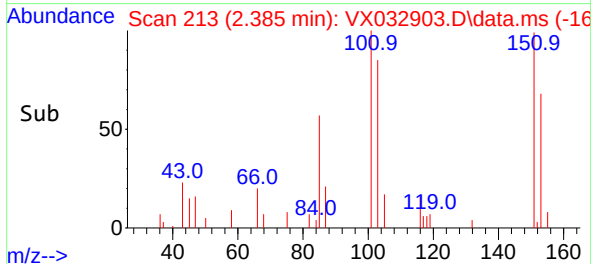
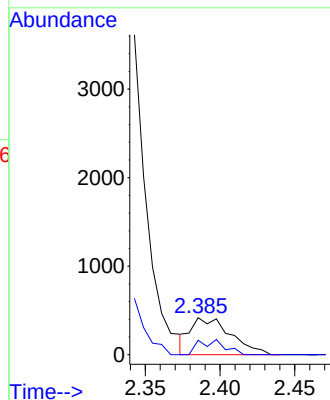
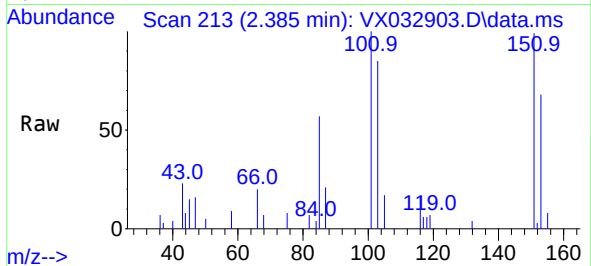




#16
Acetone
Concen: 1.317 ug/l
RT: 2.385 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

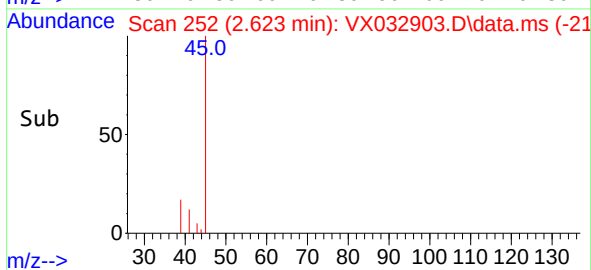
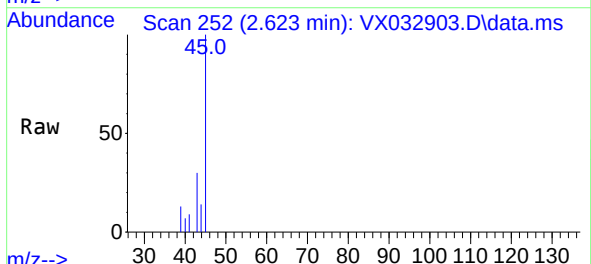
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

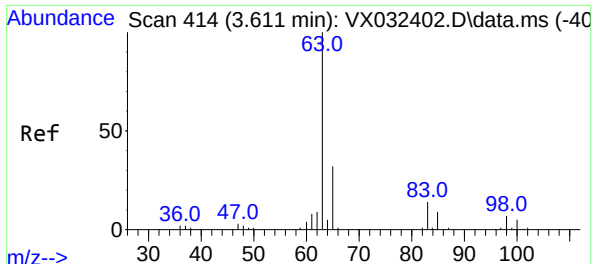
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 39.2 23.8 35.8#



#18
Methyl Acetate
Concen: 0.465 ug/l
RT: 2.623 min Scan# 252
Delta R.T. -0.080 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

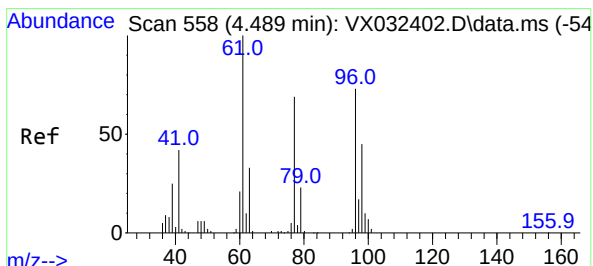
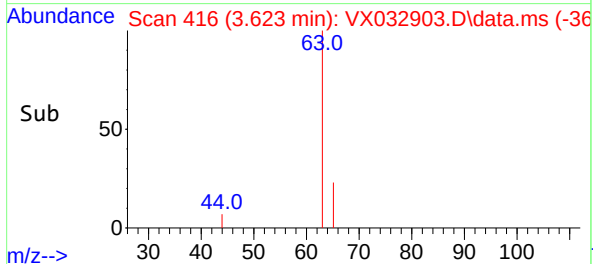
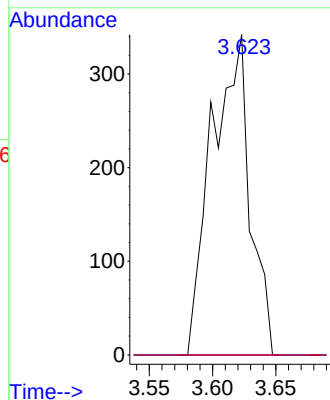
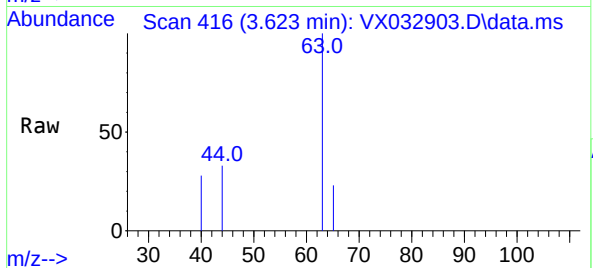




#24
1,1-Dichloroethane
Concen: 0.308 ug/l
RT: 3.623 min Scan# 414
Delta R.T. 0.012 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

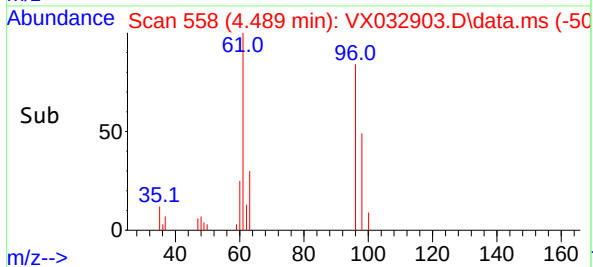
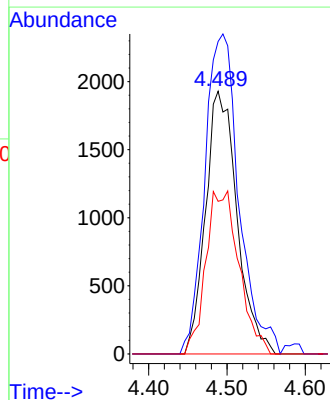
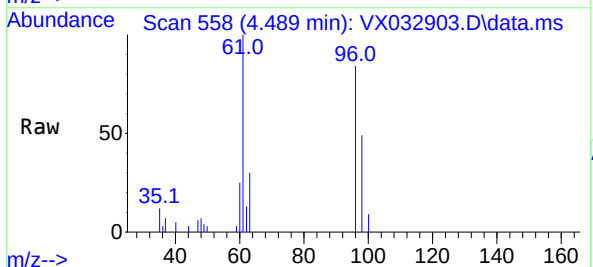
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

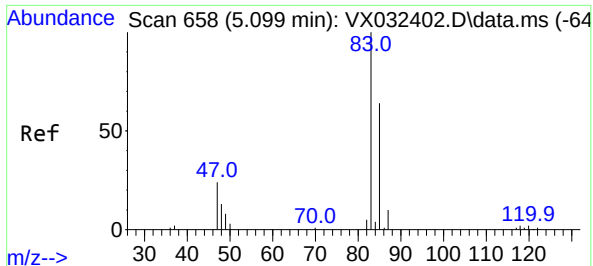
Tgt Ion: 63 Resp: 717
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 3.656 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 96 Resp: 5396
Ion Ratio Lower Upper
96 100
61 132.1 0.0 286.0
98 65.2 0.0 129.6





#30

Chloroform

Concen: 0.293 ug/l

RT: 5.098 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

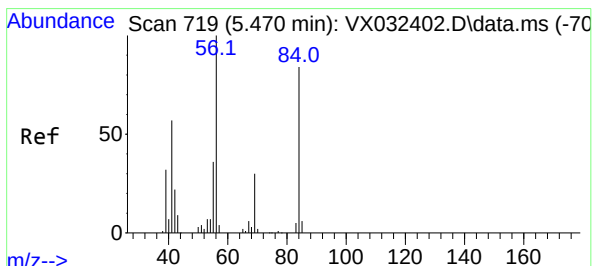
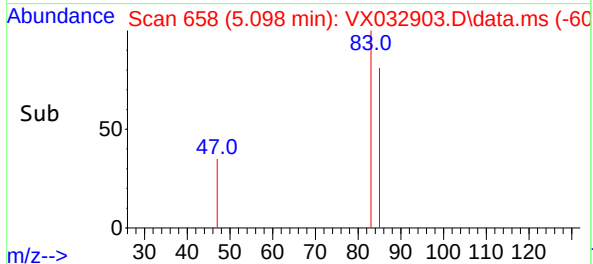
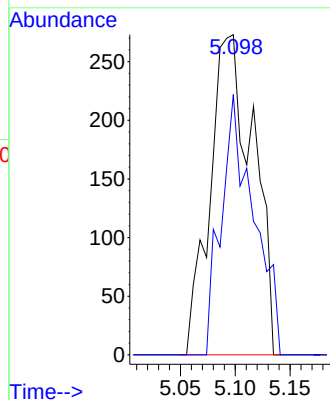
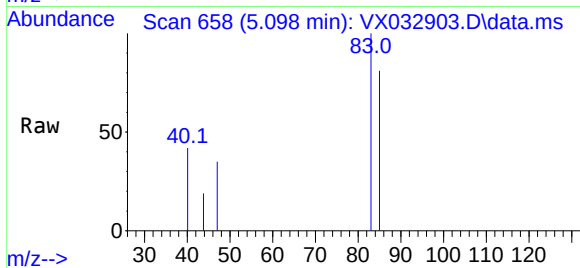
RE134D3-20221115

Tgt Ion: 83 Resp: 748

Ion Ratio Lower Upper

83 100

85 81.3 51.1 76.7#



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

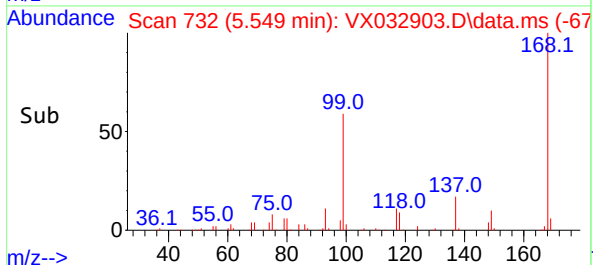
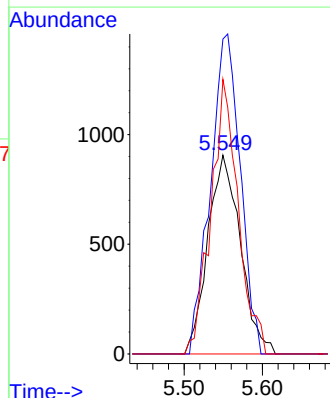
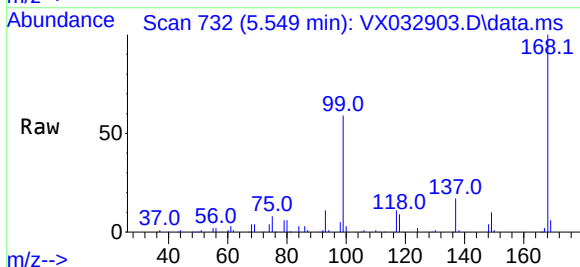
Tgt Ion: 56 Resp: 2620

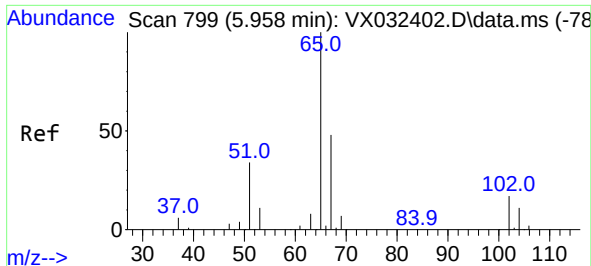
Ion Ratio Lower Upper

56 100

69 158.5 24.1 36.1#

84 138.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.158 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

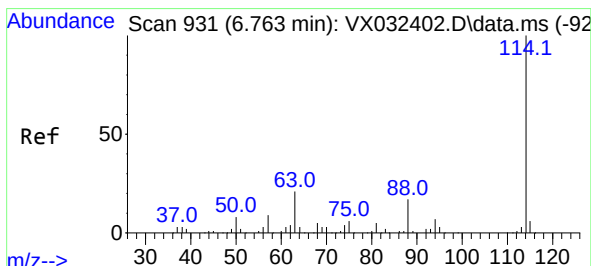
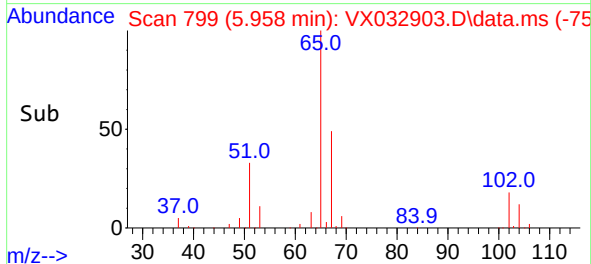
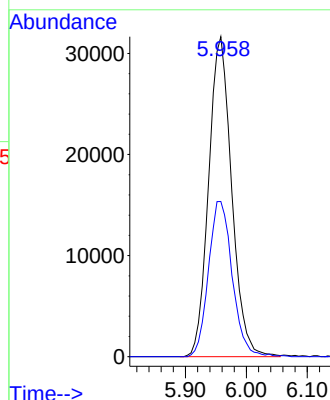
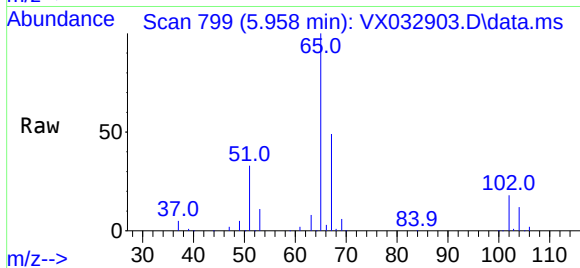
RE134D3-20221115

Tgt Ion: 65 Resp: 83137

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

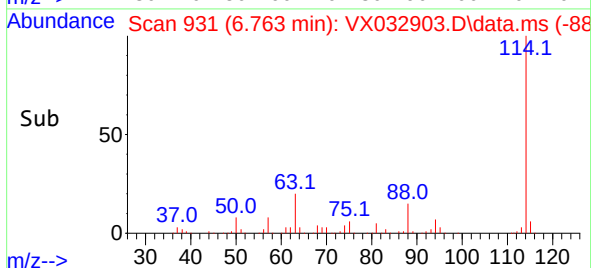
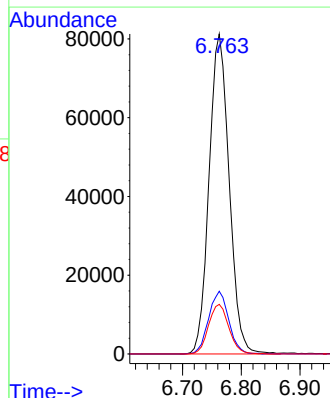
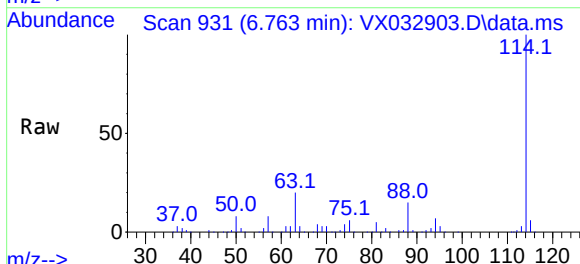
Tgt Ion: 114 Resp: 193001

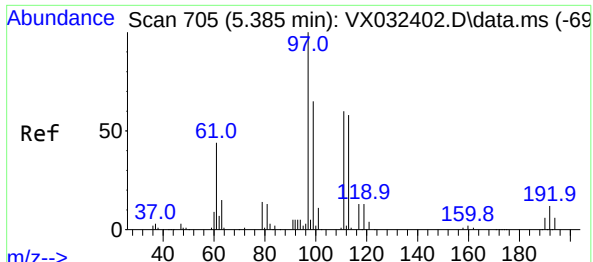
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.5 0.0 33.4

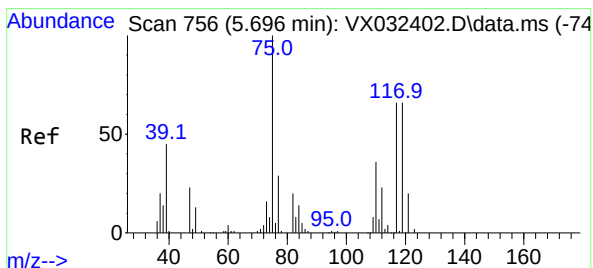
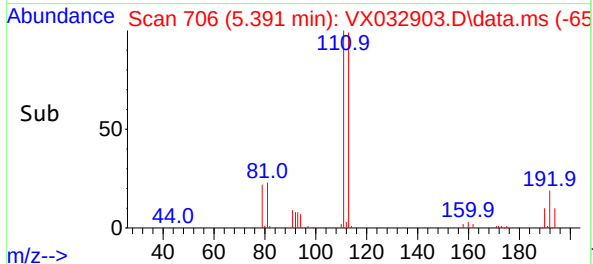
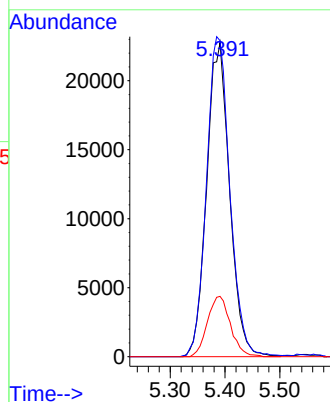
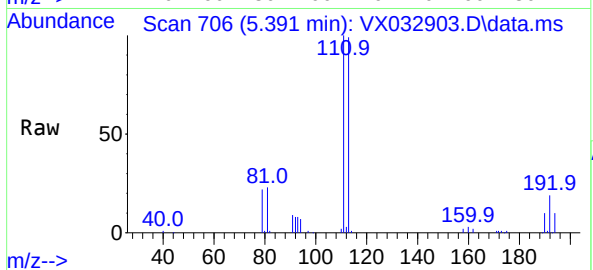




#35
Dibromofluoromethane
Concen: 47.953 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

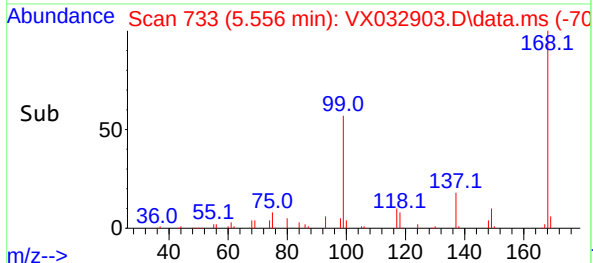
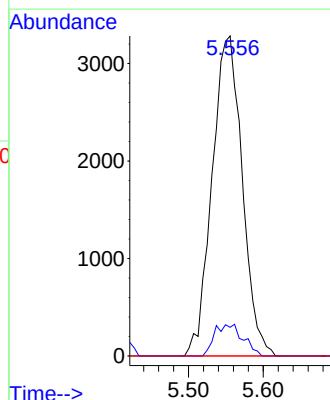
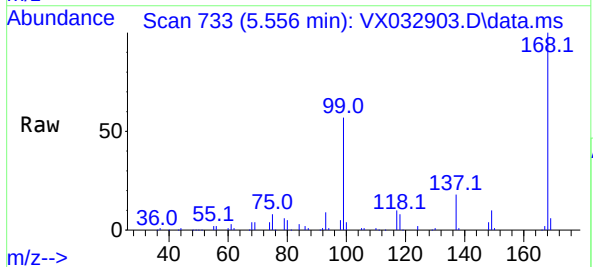
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

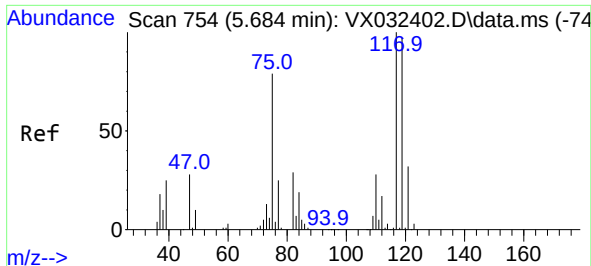
Tgt Ion:113 Resp: 66016
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 19.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

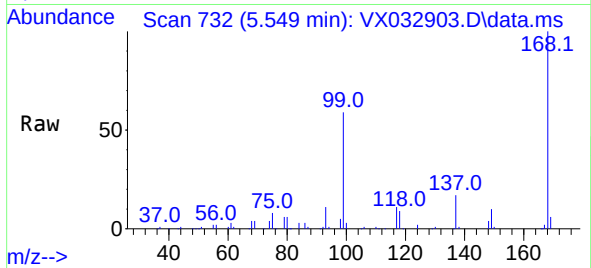
Tgt Ion: 75 Resp: 9204
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.5 36.7#



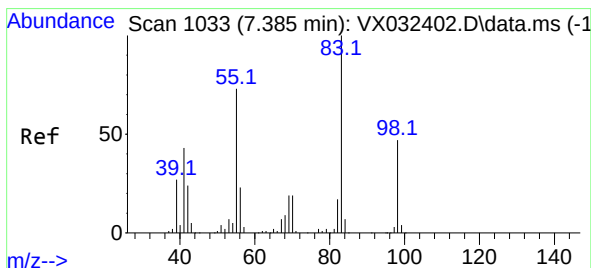
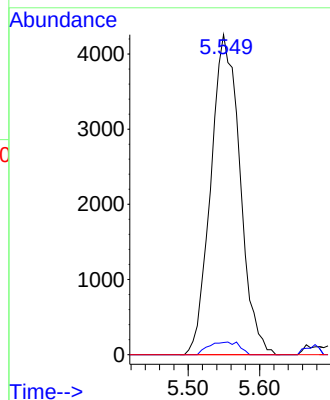
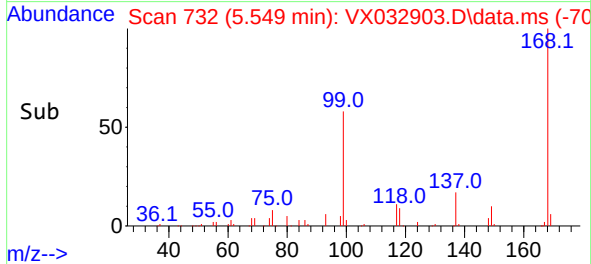


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

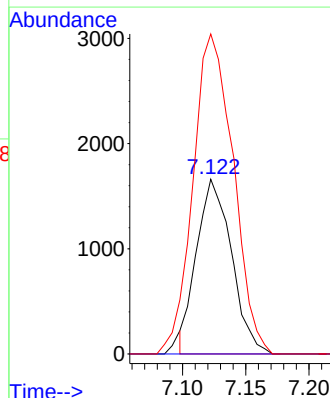
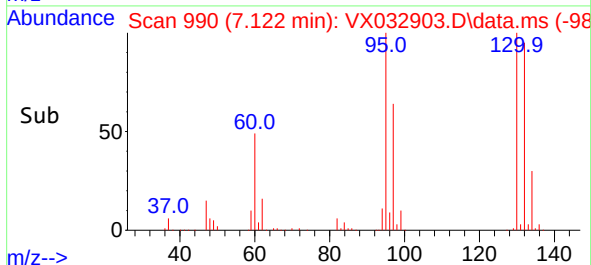
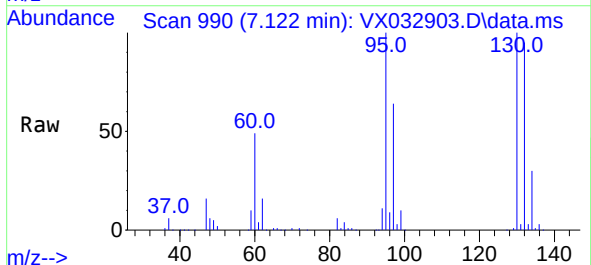


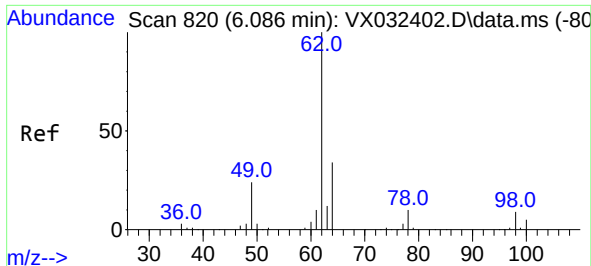
Tgt Ion:117 Resp: 12045
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 83 Resp: 3181
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 183.1 37.2 55.8#





#42

1,2-Dichloroethane

Concen: 0.268 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

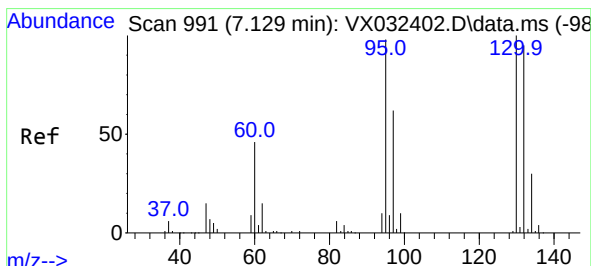
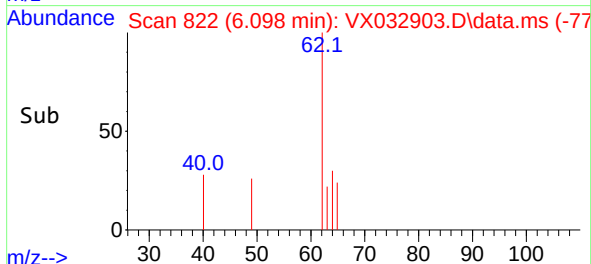
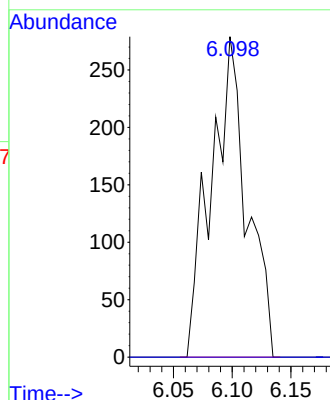
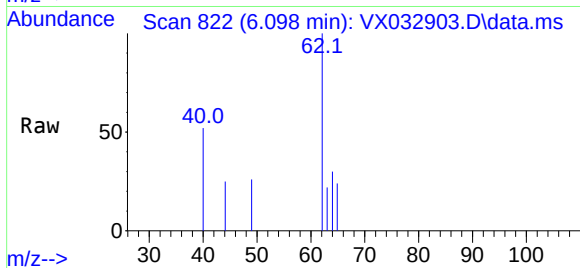
RE134D3-20221115

Tgt Ion: 62 Resp: 595

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 170.546 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032903.D

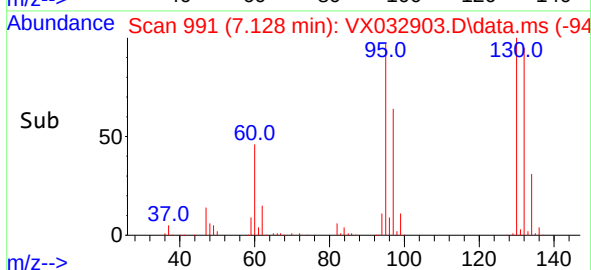
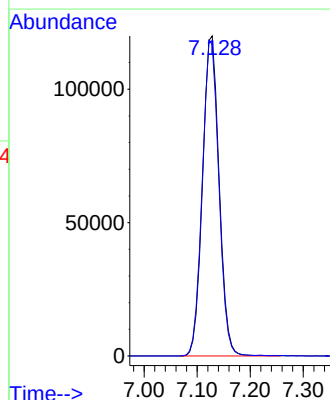
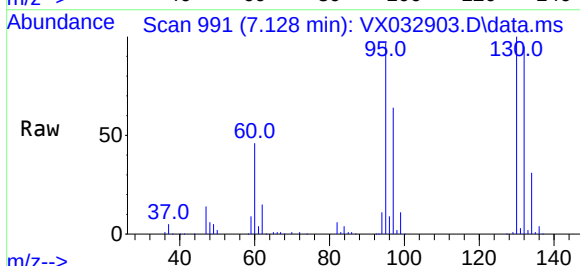
Acq: 17 Nov 2022 16:25

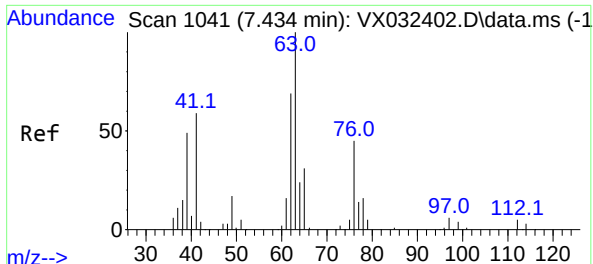
Tgt Ion:130 Resp: 260460

Ion Ratio Lower Upper

130 100

95 97.4 0.0 195.2





#45

1,2-Dichloropropane

Concen: 0.940 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

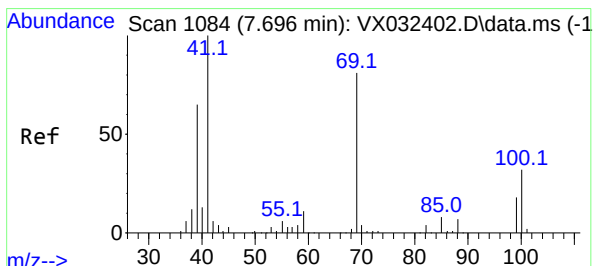
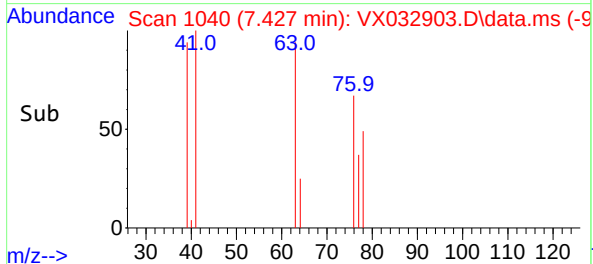
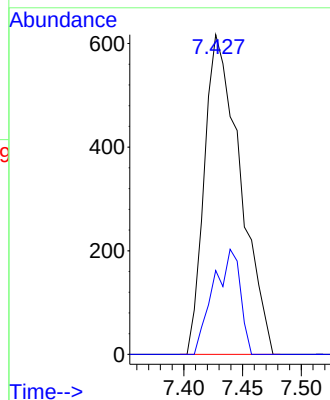
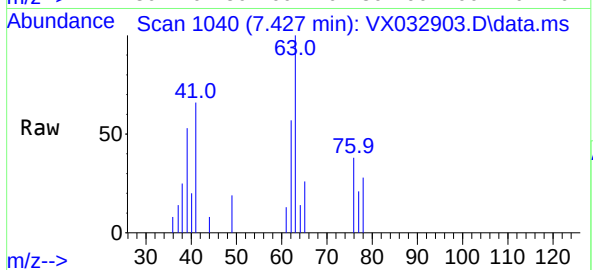
RE134D3-20221115

Tgt Ion: 63 Resp: 1309

Ion Ratio Lower Upper

63 100

65 26.3 24.6 36.8



#48

Methyl methacrylate

Concen: 0.537 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.262 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

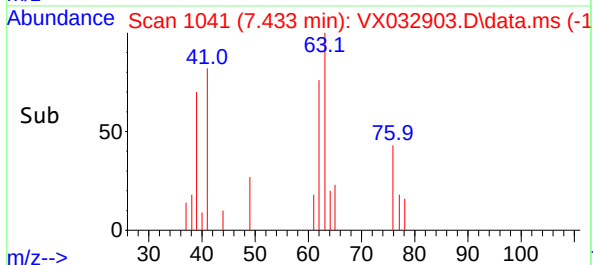
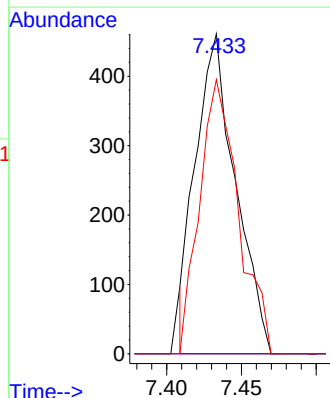
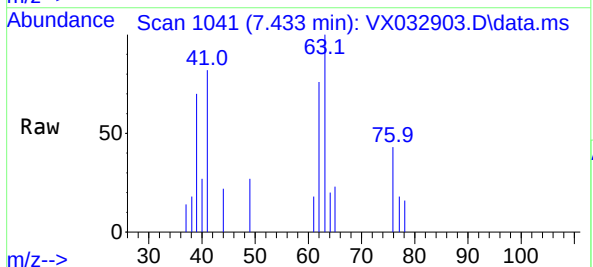
Tgt Ion: 41 Resp: 850

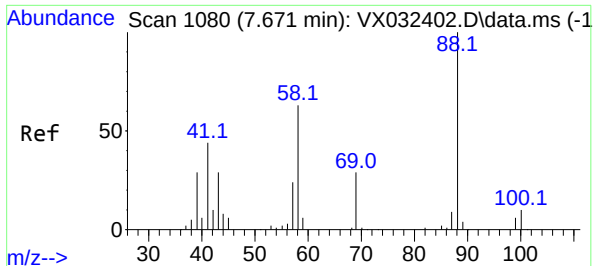
Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 84.0 51.9 77.9#





#49

1,4-Dioxane

Concen: 11.540 ug/l

RT: 7.701 min Scan# 1085

Delta R.T. 0.030 min

Lab File: VX032903.D

Acq: 17 Nov 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20221115

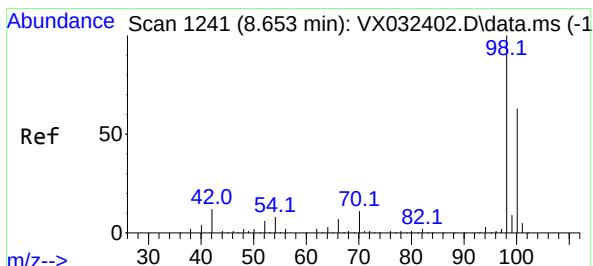
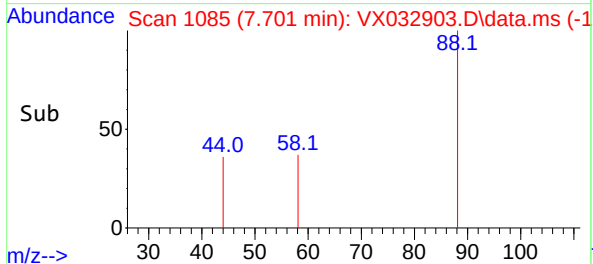
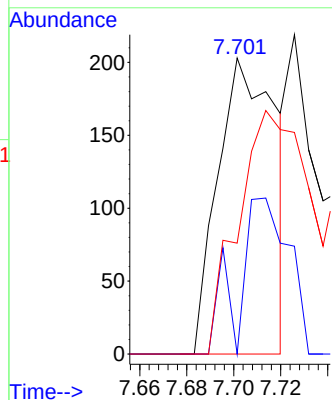
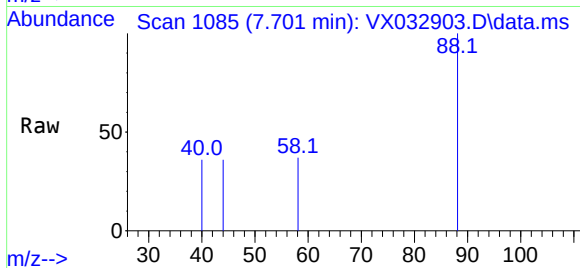
Tgt Ion: 88 Resp: 348

Ion Ratio Lower Upper

88 100

43 45.7 26.6 39.8#

58 100.3 51.7 77.5#



#50

Toluene-d8

Concen: 50.117 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032903.D

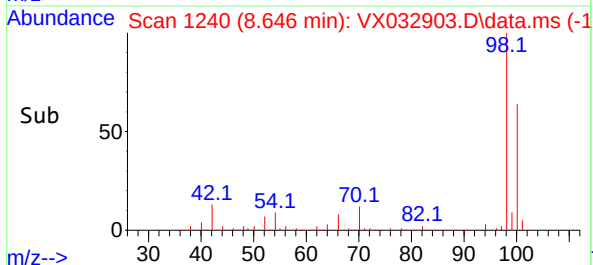
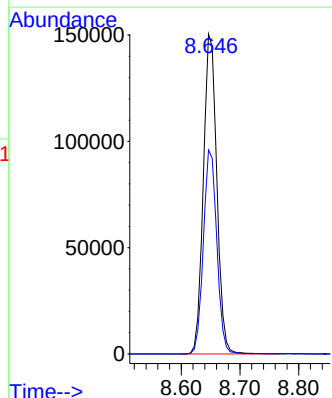
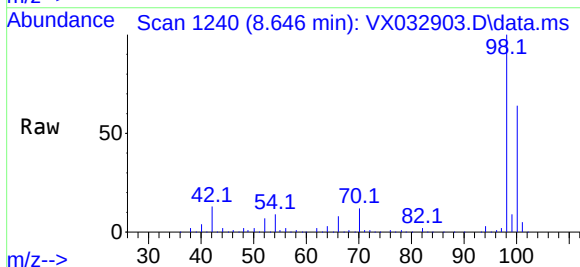
Acq: 17 Nov 2022 16:25

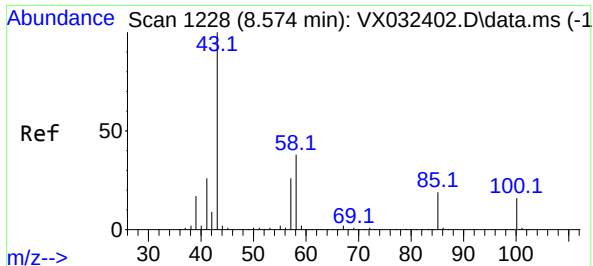
Tgt Ion: 98 Resp: 239914

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3

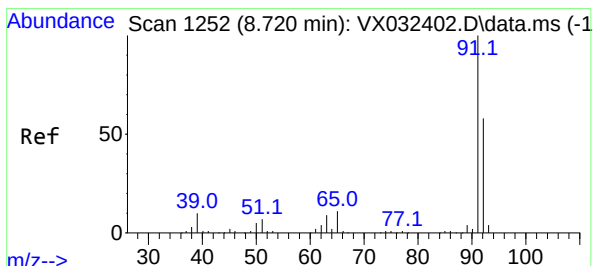
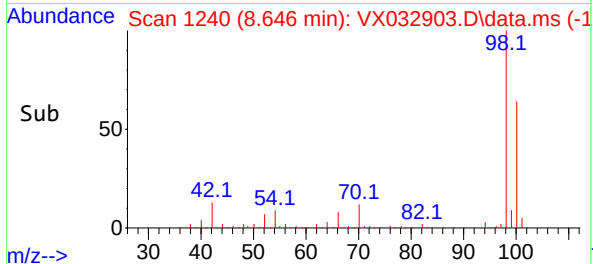
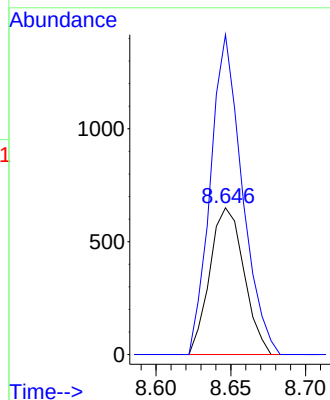
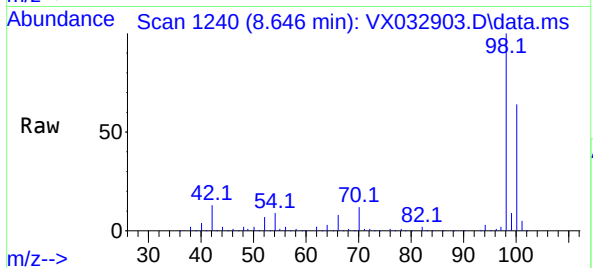




#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

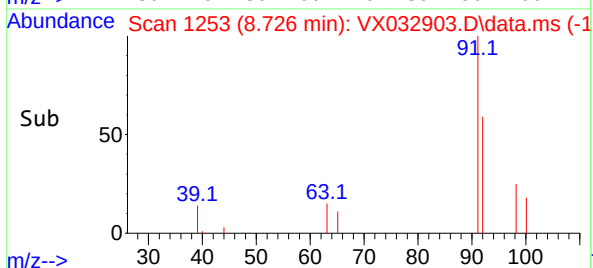
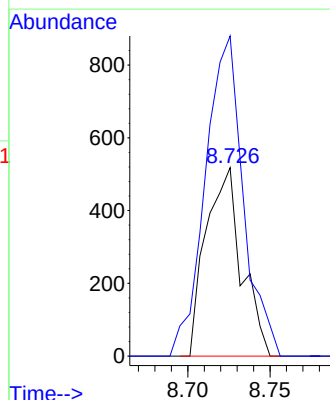
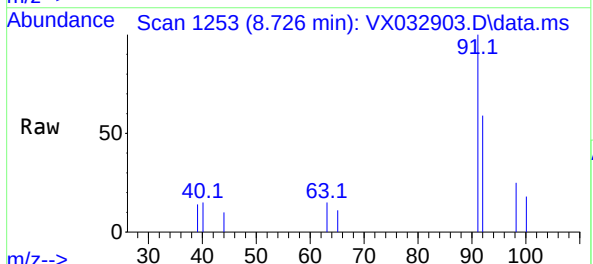
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

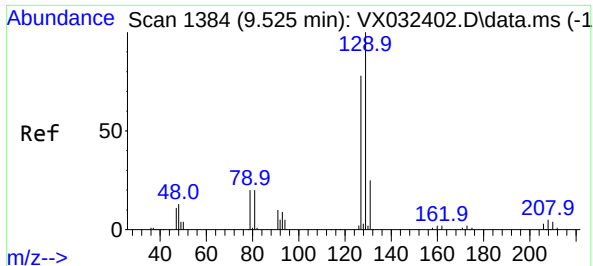
Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 202.8 30.9 46.3#



#52
Toluene
Concen: 0.221 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 92 Resp: 782
Ion Ratio Lower Upper
92 100
91 180.8 138.3 207.5

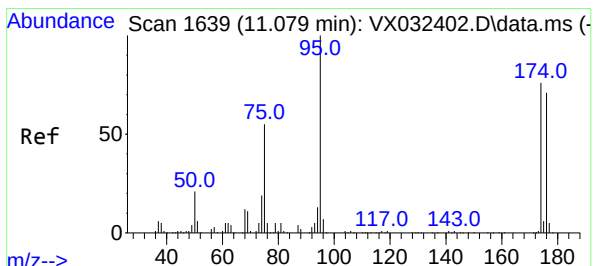
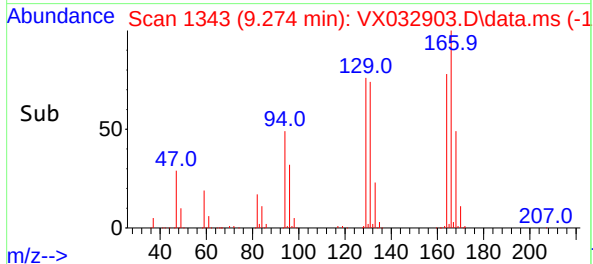
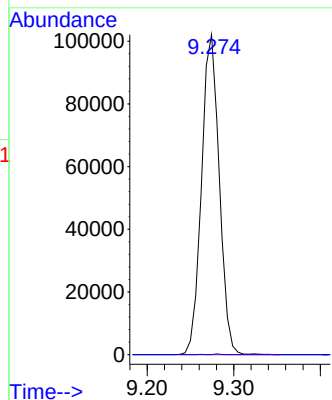
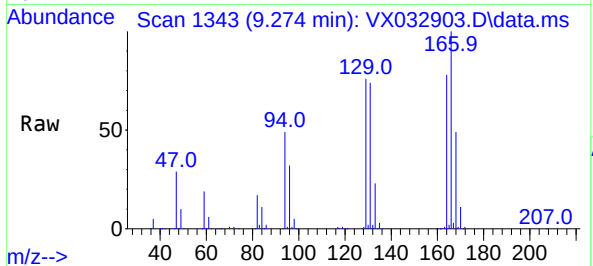




#60
Dibromochloromethane
Concen: 89.199 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

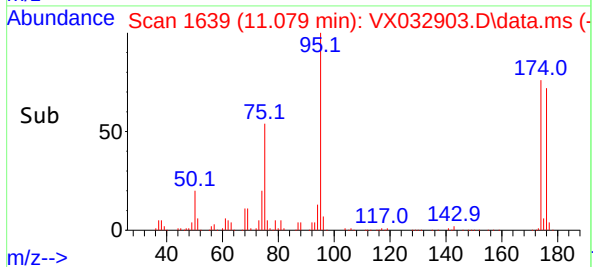
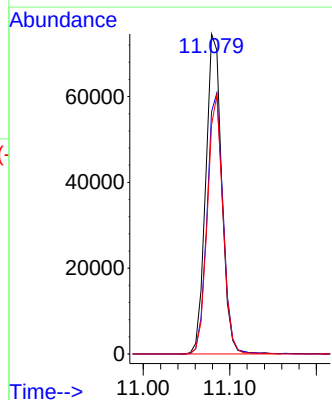
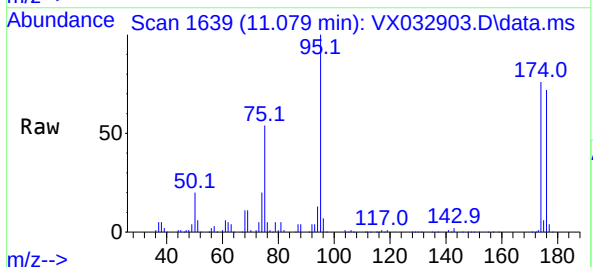
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

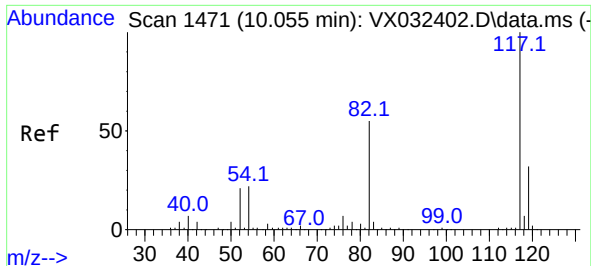
Tgt Ion:129 Resp: 145230
Ion Ratio Lower Upper
129 100
127 0.1 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 50.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Tgt Ion: 95 Resp: 95346
Ion Ratio Lower Upper
95 100
174 82.2 0.0 164.0
176 78.9 0.0 154.4

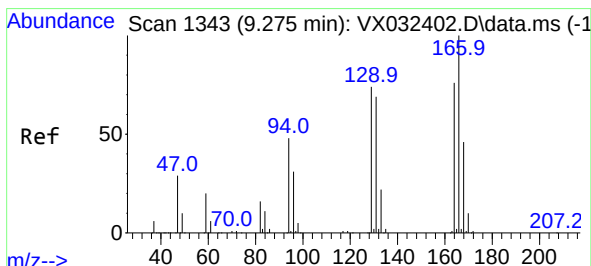
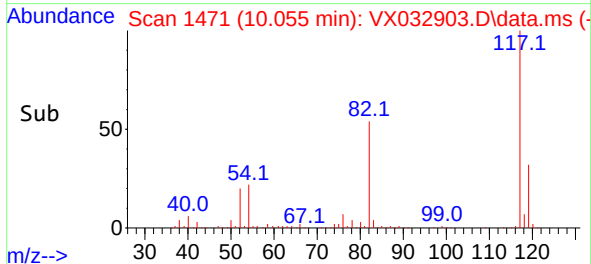
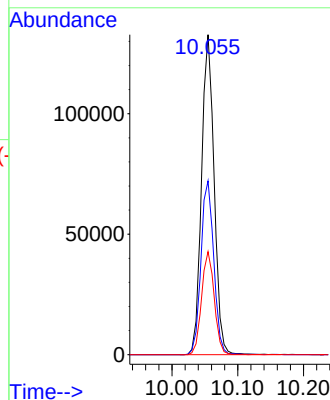
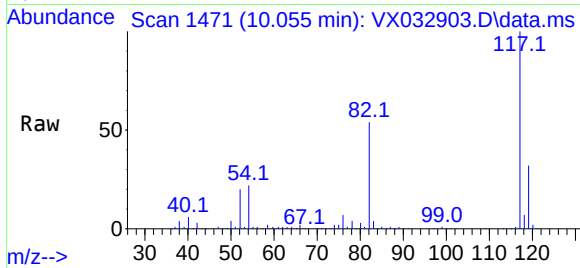




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

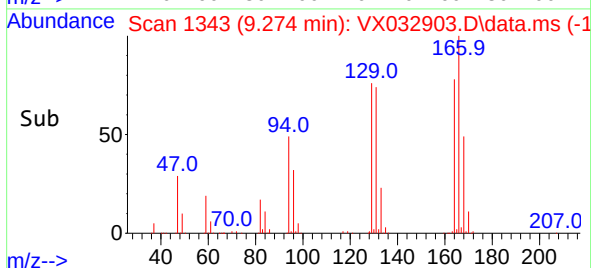
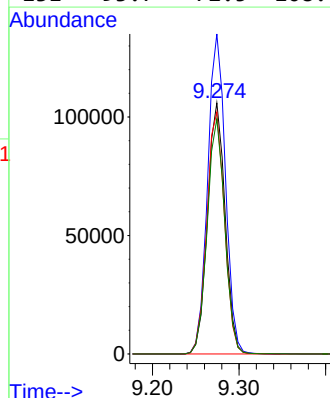
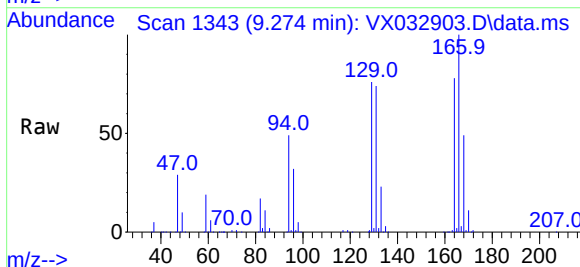
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

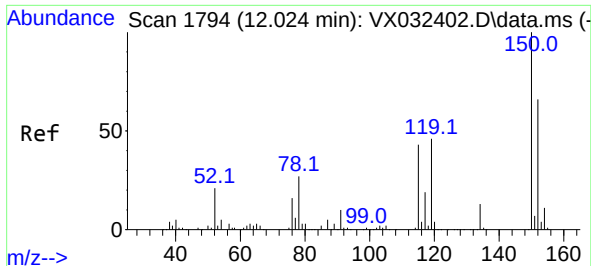
Tgt Ion:117 Resp: 176863
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 115.760 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

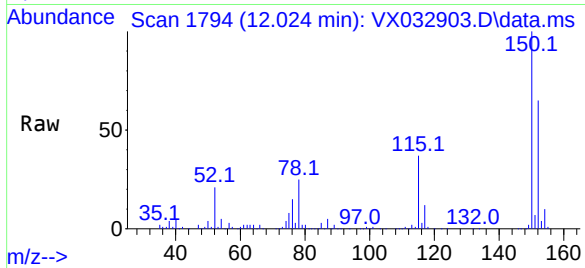
Tgt Ion:164 Resp: 149853
Ion Ratio Lower Upper
164 100
166 127.5 105.4 158.2
129 96.4 78.2 117.2
131 93.7 72.5 108.7



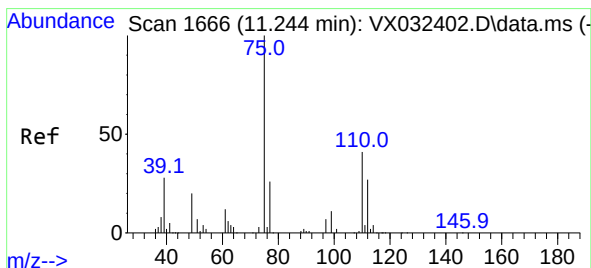
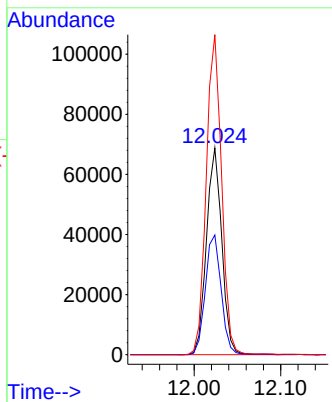
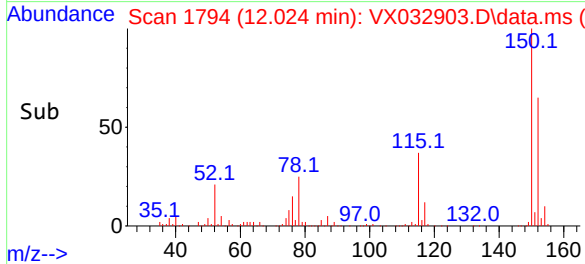


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115

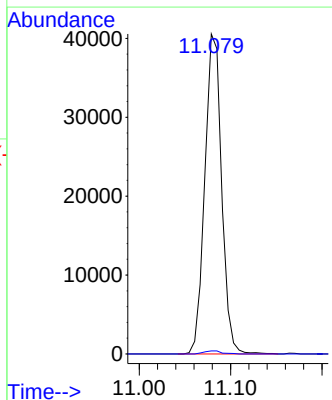
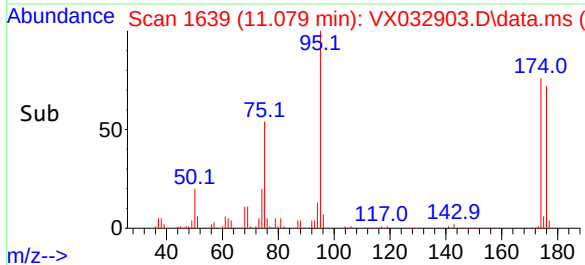
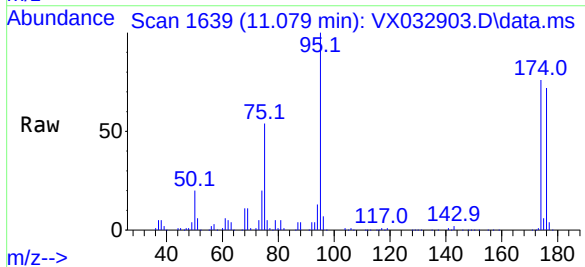


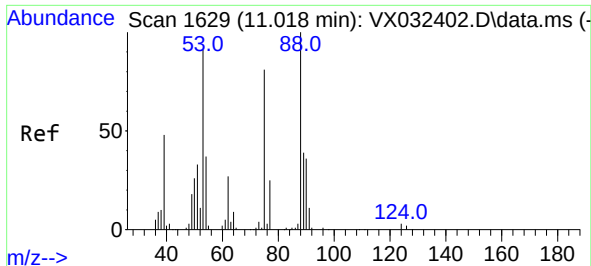
Tgt Ion:152 Resp: 84817
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 154.7 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

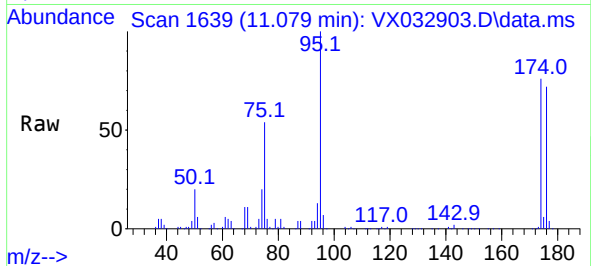
Tgt Ion: 75 Resp: 51687
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.160 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX032903.D
Acq: 17 Nov 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20221115



Tgt Ion: 75 Resp: 51687
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

