

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031086.D
 Acq On : 03 Sep 2022 16:40
 Operator : JC/MD
 Sample : N4357-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20220823

Quant Time: Sep 06 00:13:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

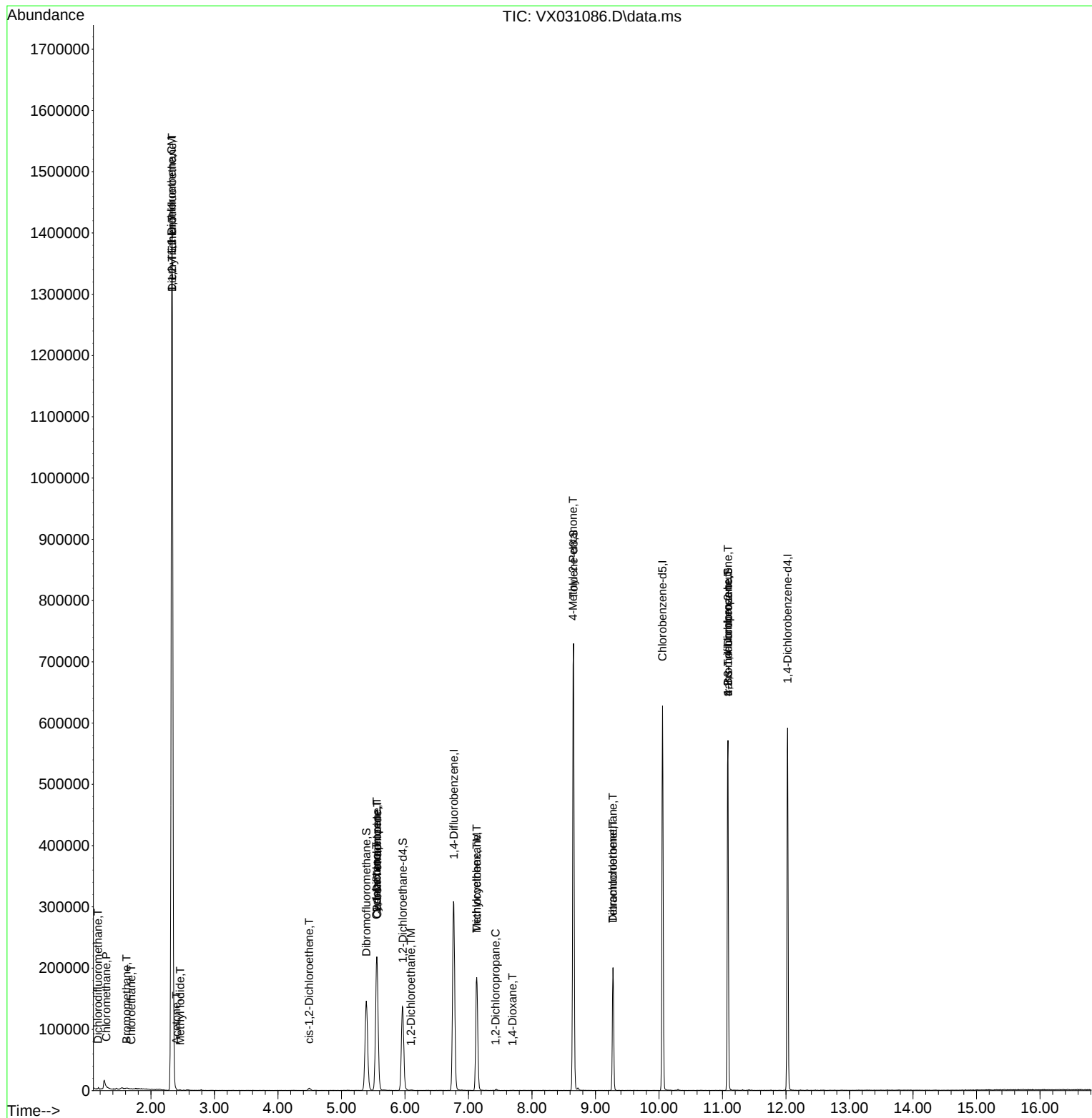
Internal Standards						
1) Pentafluorobenzene	5.556	168	219605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	349707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	309748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134895	47.740	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.480%		
35) Dibromofluoromethane	5.391	113	132291	51.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.680%		
50) Toluene-d8	8.653	98	466492	49.667	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.340%		
62) 4-Bromofluorobenzene	11.085	95	153629	46.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	467	0.207	ug/l	93
3) Chloromethane	1.295	50	582	0.966	ug/l	94
5) Bromomethane	1.618	94	339	0.321	ug/l	82
6) Chloroethane	1.691	64	671	2.113	ug/l #	75
8) Diethyl Ether	2.331	74	334	0.240	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	571551	216.343	ug/l	91
10) Methyl Iodide	2.459	142	695	3.165	ug/l	100
11) Tert butyl alcohol	2.983	59	54	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	3992	1.565	ug/l #	70
16) Acetone	2.398	43	861	0.789	ug/l #	73
20) Methylene Chloride	2.782	84	535	Below Cal	#	68
27) cis-1,2-Dichloroethene	4.489	96	2563	0.806	ug/l	83
31) Cyclohexane	5.550	56	3632	0.941	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13841	3.872	ug/l #	51
38) Carbon Tetrachloride	5.562	117	21304	5.742	ug/l #	18
39) Methylcyclohexane	7.129	83	979	0.221	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	787	0.232	ug/l #	73
44) Trichloroethene	7.129	130	79966	24.617	ug/l	95
45) 1,2-Dichloropropane	7.428	63	923	0.351	ug/l	93
49) 1,4-Dioxane	7.690	88	168	2.254	ug/l #	55
51) 4-Methyl-2-Pentanone	8.647	43	1708	0.547	ug/l #	1
60) Dibromochloromethane	9.275	129	38370	13.060	ug/l #	11
64) Tetrachloroethene	9.275	164	41133	13.300	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	74963	23.468	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	74963	73.755	ug/l #	13

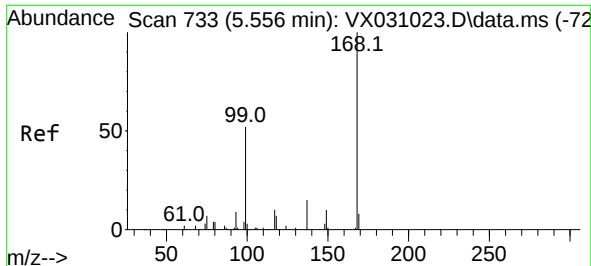
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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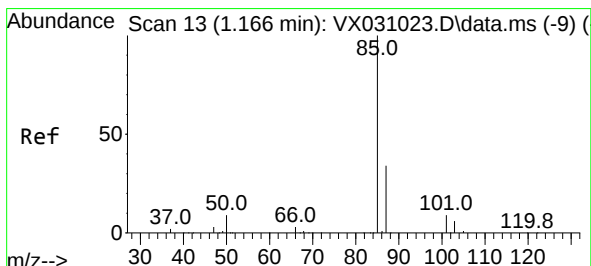
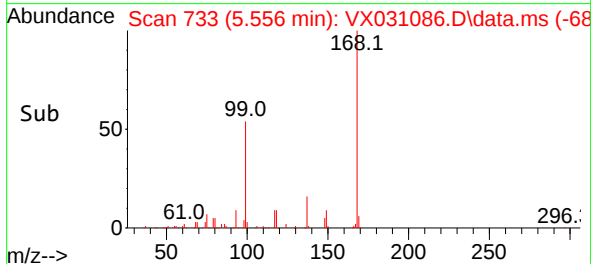
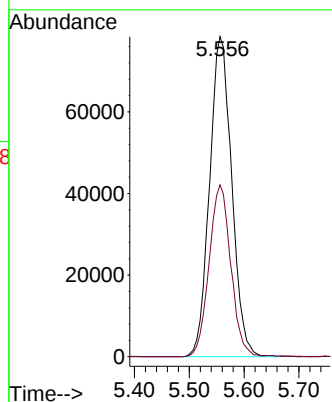
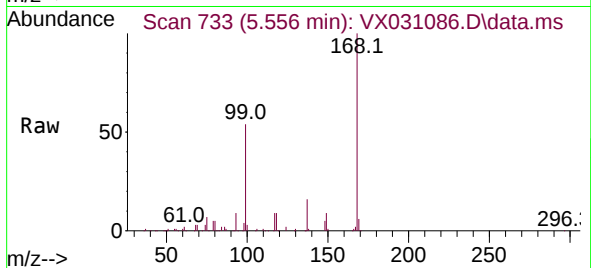




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

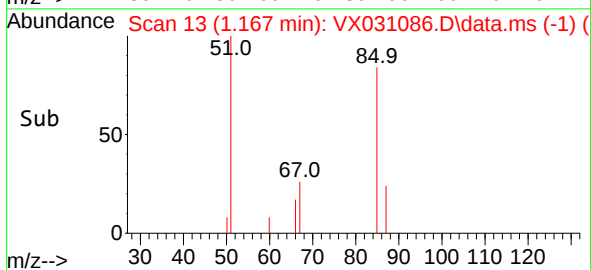
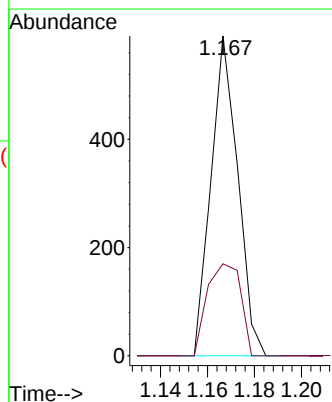
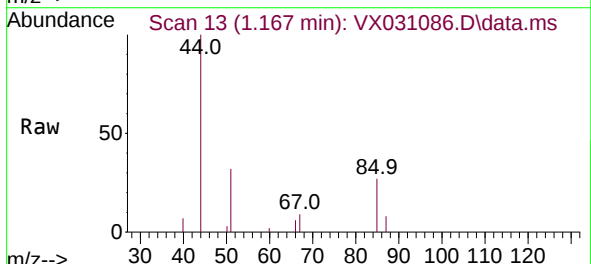
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

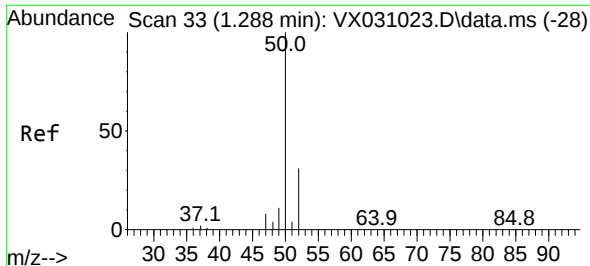
Tgt Ion:168 Resp: 219605
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.207 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 85 Resp: 467
Ion Ratio Lower Upper
85 100
87 28.8 16.5 49.5

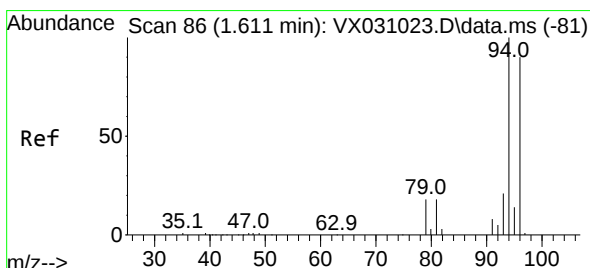
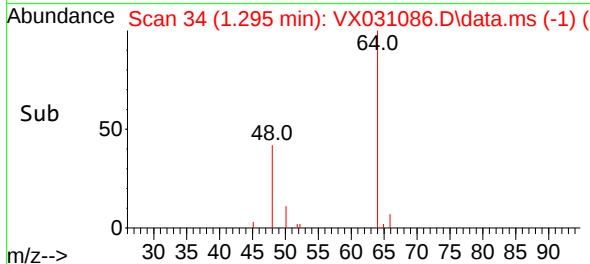
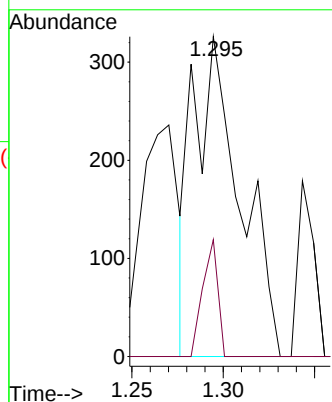
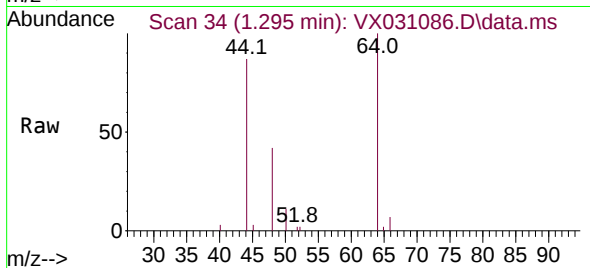




#3
Chloromethane
Concen: 0.966 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

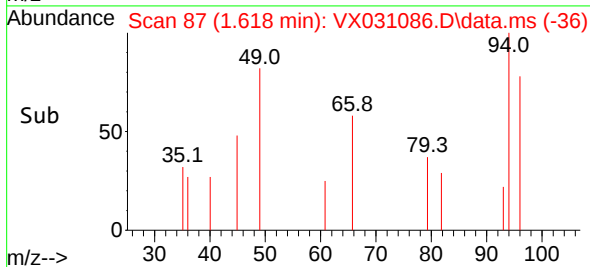
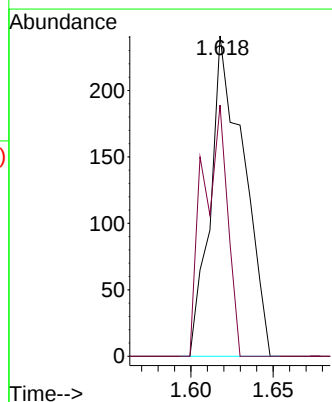
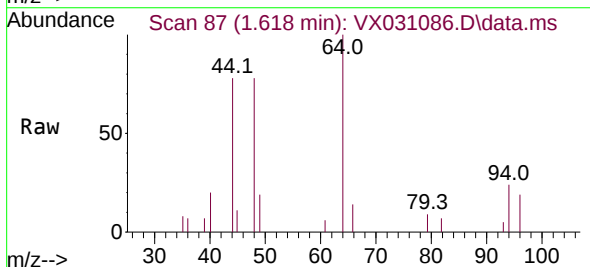
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

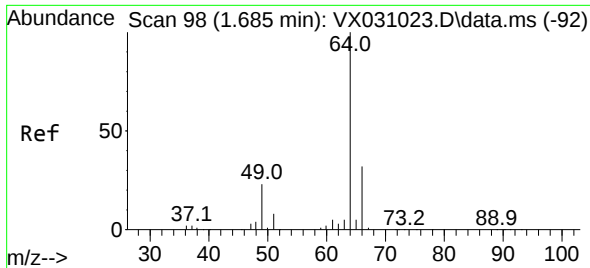
Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 36.5 26.3 39.5



#5
Bromomethane
Concen: 0.321 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 78.4 76.9 115.3

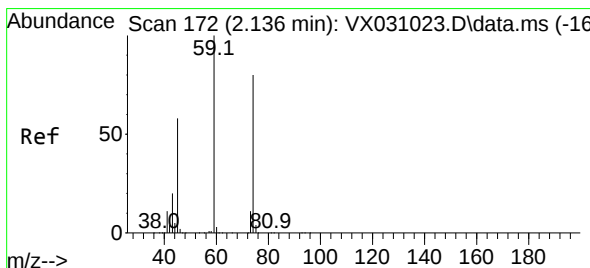
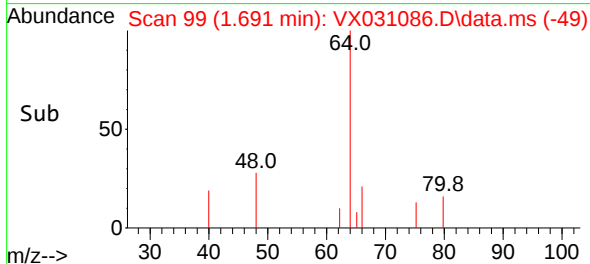
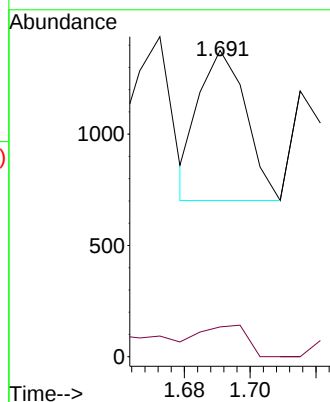
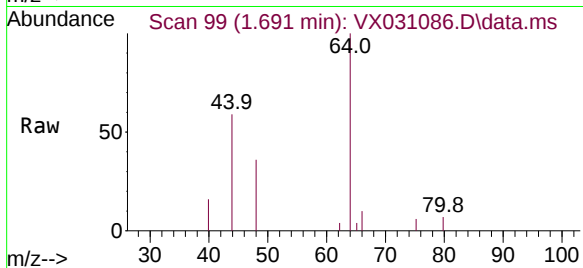




#6
Chloroethane
Concen: 2.113 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

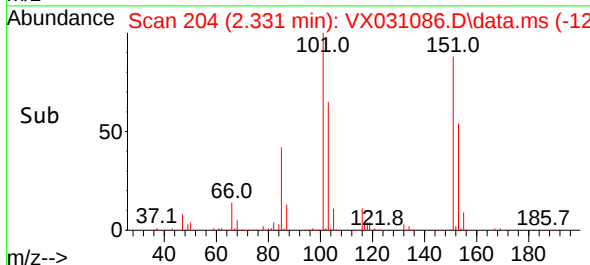
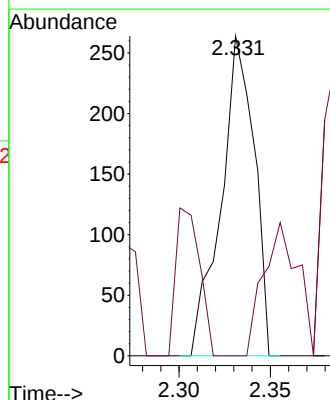
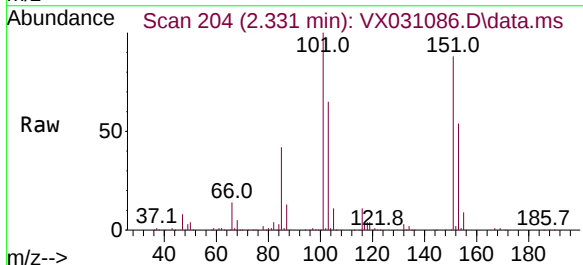
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

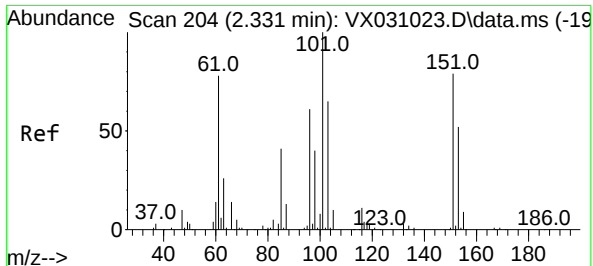
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 19.9 27.2 40.8#



#8
Diethyl Ether
Concen: 0.240 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.195 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 74 Resp: 334
Ion Ratio Lower Upper
74 100
45 0.0 51.5 154.7#

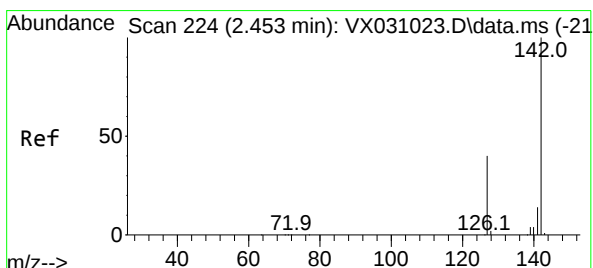
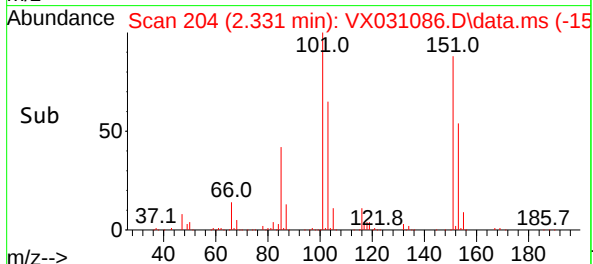
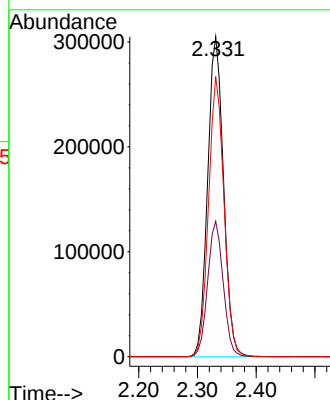
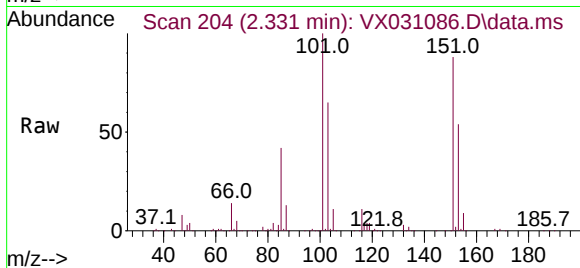




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 216.343 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX031086.D
 Acq: 03 Sep 2022 16:40

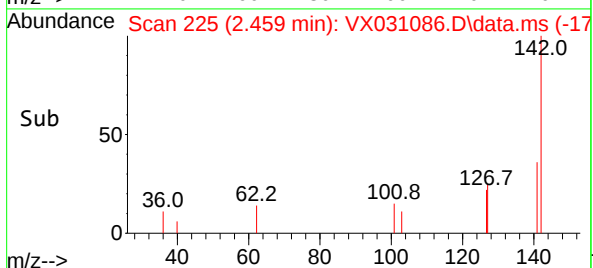
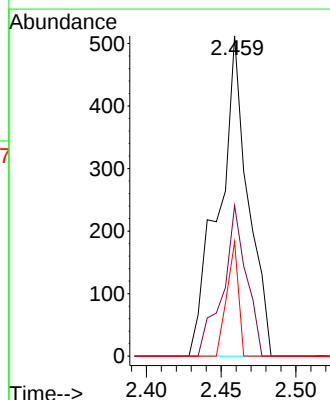
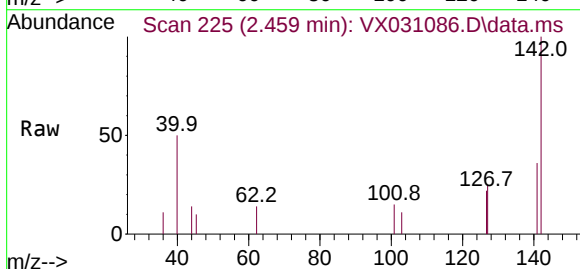
Instrument :
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 ClientSampleId :
 RE134D4-20220823

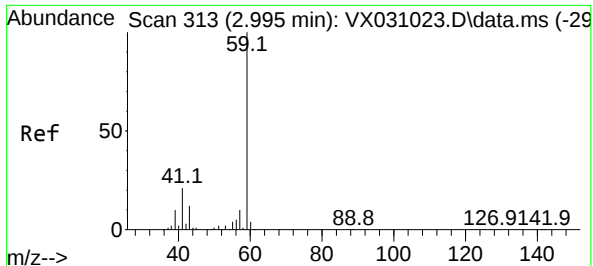
Tgt Ion:101 Resp: 571551
 Ion Ratio Lower Upper
 101 100
 85 41.5 34.0 51.0
 151 85.5 59.4 89.0



#10
 Methyl Iodide
 Concen: 3.165 ug/l
 RT: 2.459 min Scan# 225
 Delta R.T. 0.006 min
 Lab File: VX031086.D
 Acq: 03 Sep 2022 16:40

Tgt Ion:142 Resp: 695
 Ion Ratio Lower Upper
 142 100
 127 37.7 30.2 45.2
 141 14.1 11.3 16.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.983 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

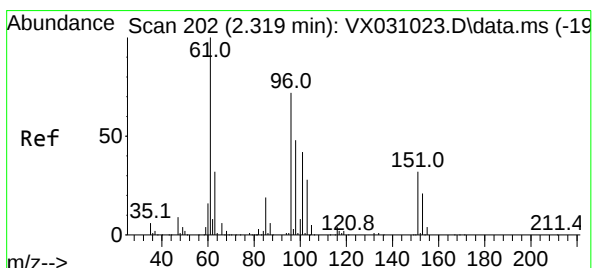
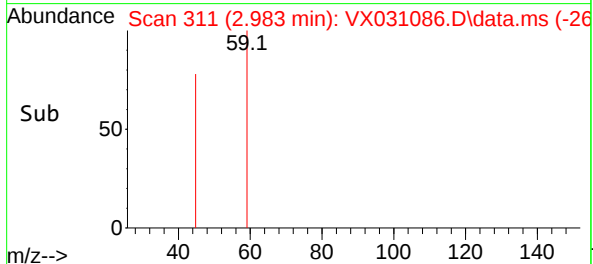
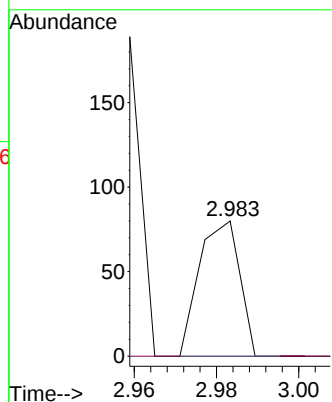
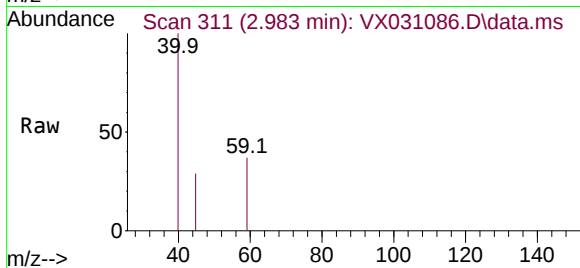
RE134D4-20220823

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 1.565 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

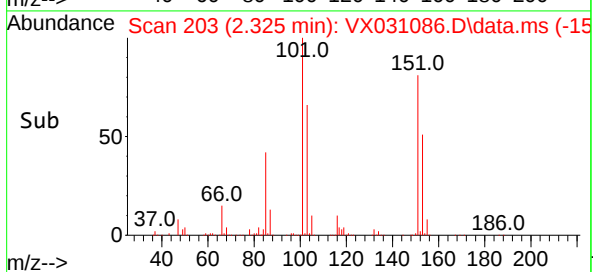
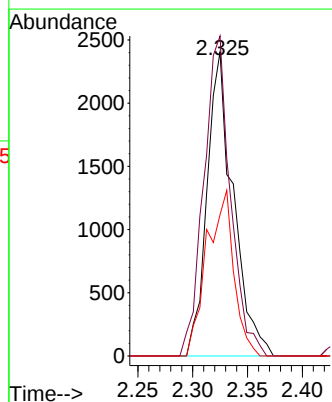
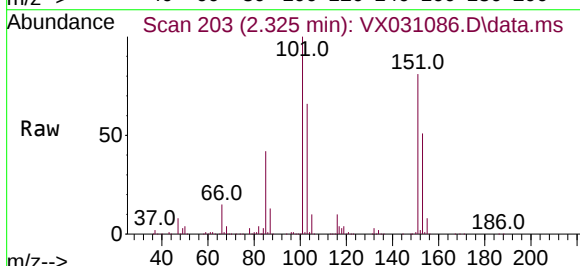
Tgt Ion: 96 Resp: 3992

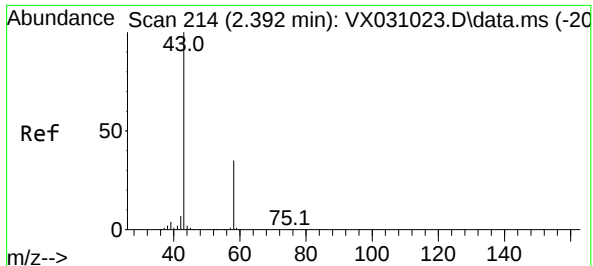
Ion Ratio Lower Upper

96 100

61 105.3 117.4 176.0#

98 46.5 52.2 78.4#

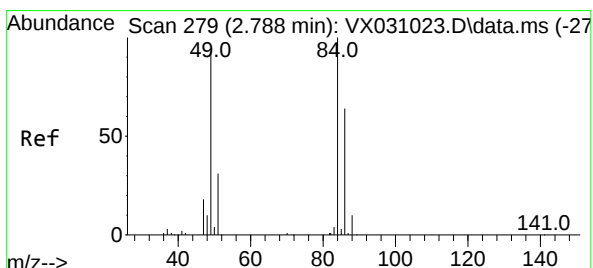
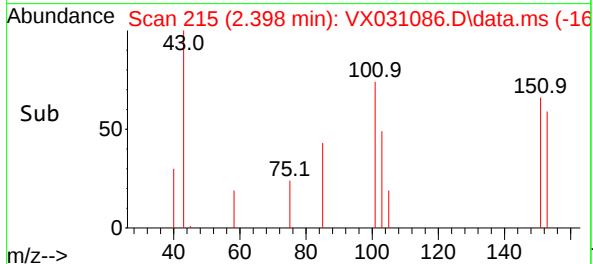
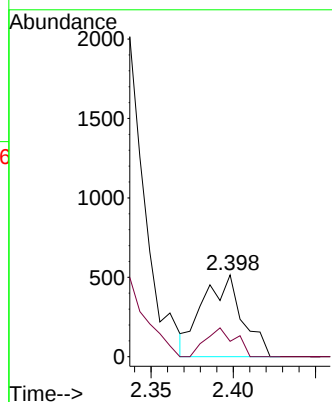
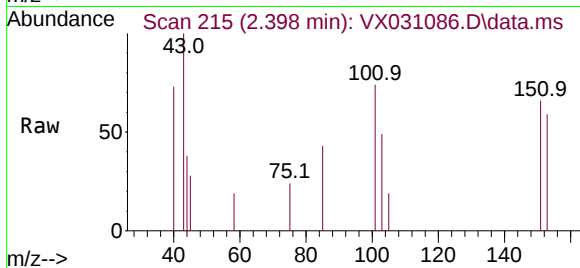




#16
Acetone
Concen: 0.789 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

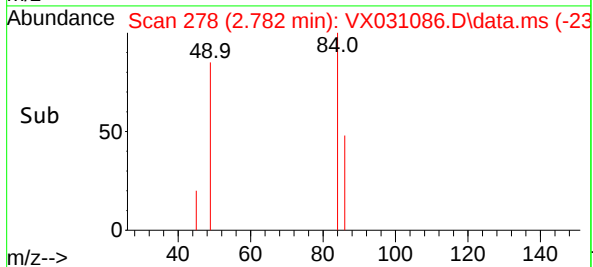
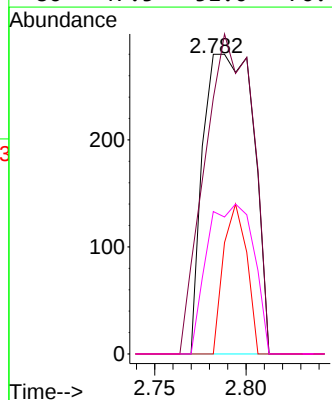
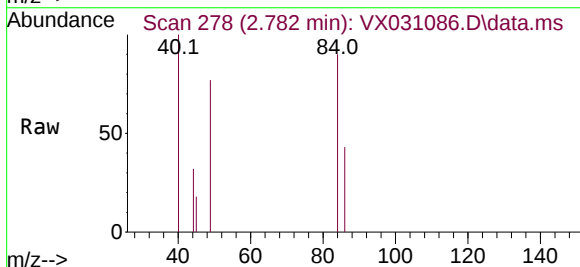
Instrument :
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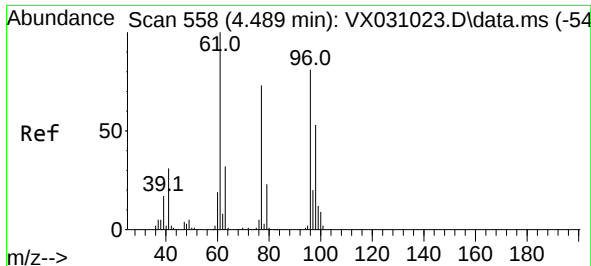
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 18.8 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 84 Resp: 535
Ion Ratio Lower Upper
84 100
49 85.4 93.8 140.6#
51 0.0 29.4 44.0#
86 47.5 51.0 76.4#





#27

cis-1,2-Dichloroethene

Concen: 0.806 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20220823

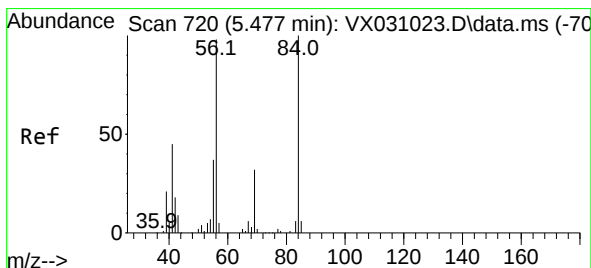
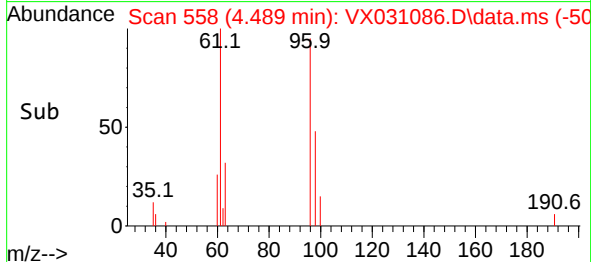
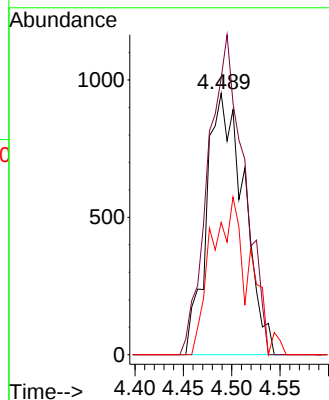
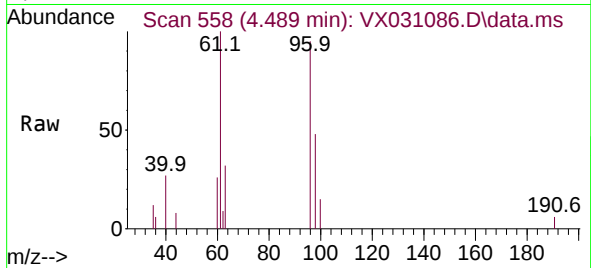
Tgt Ion: 96 Resp: 2563

Ion Ratio Lower Upper

96 100

61 117.7 0.0 270.0

98 46.5 0.0 127.8



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

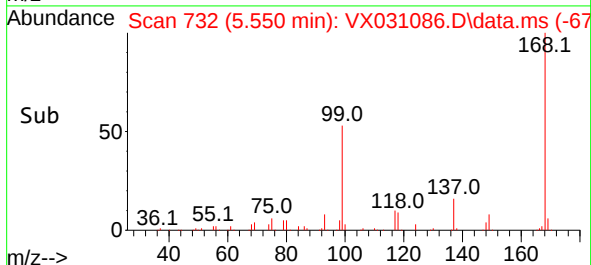
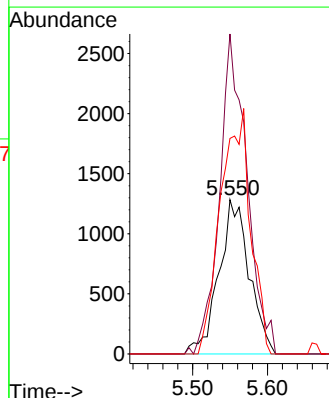
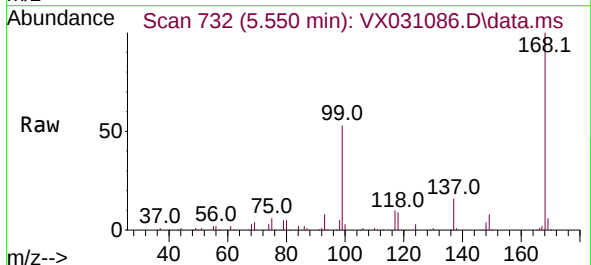
Tgt Ion: 56 Resp: 3632

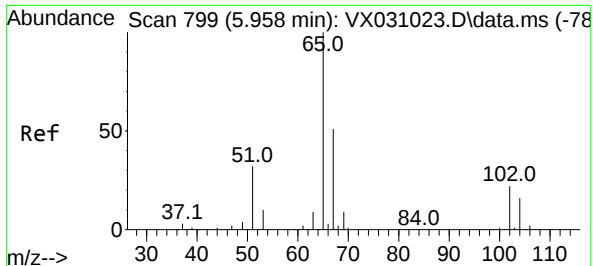
Ion Ratio Lower Upper

56 100

69 207.6 25.4 38.0#

84 139.8 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.740 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

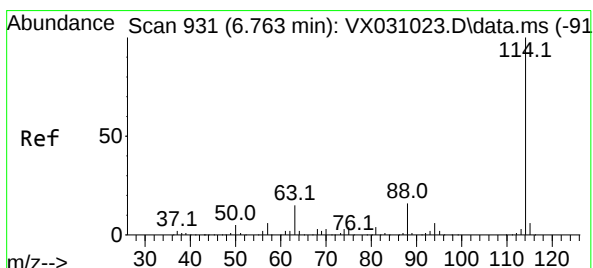
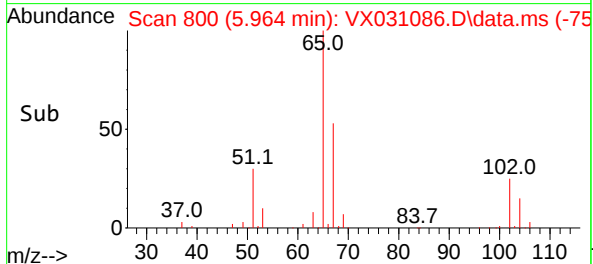
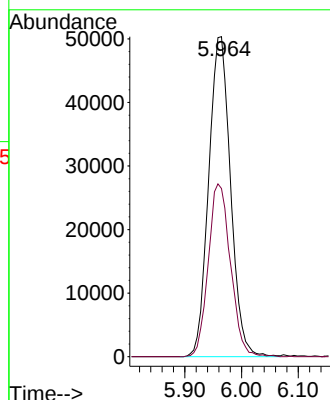
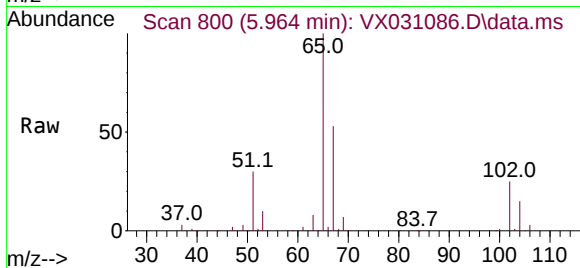
RE134D4-20220823

Tgt Ion: 65 Resp: 134895

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

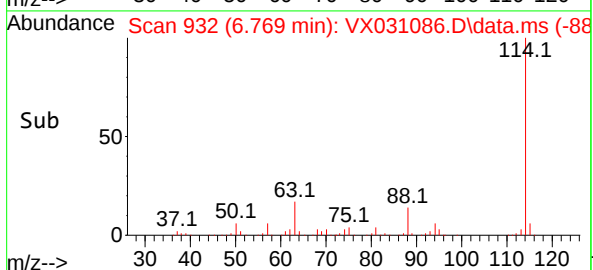
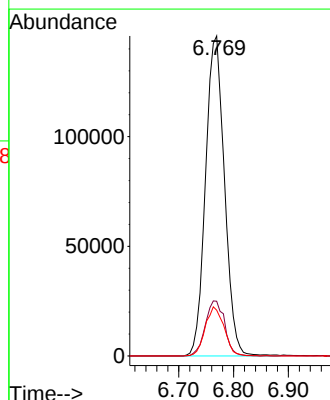
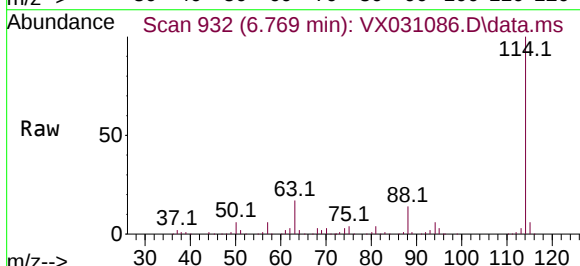
Tgt Ion: 114 Resp: 349707

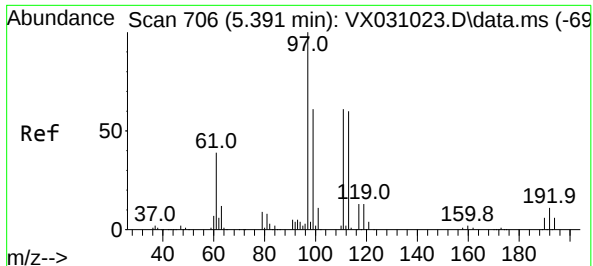
Ion Ratio Lower Upper

114 100

63 17.1 0.0 38.4

88 14.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.837 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031086.D

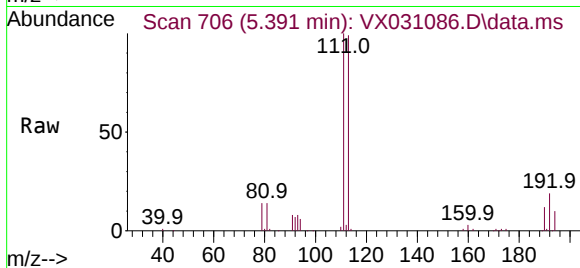
Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20220823



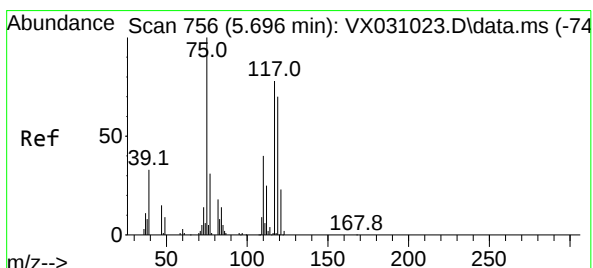
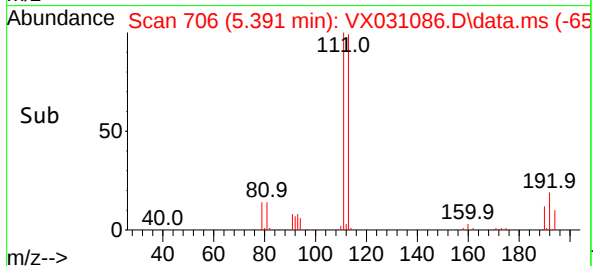
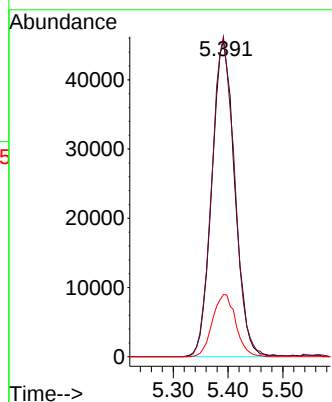
Tgt Ion:113 Resp: 132291

Ion Ratio Lower Upper

113 100

111 101.1 83.2 124.8

192 20.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.872 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

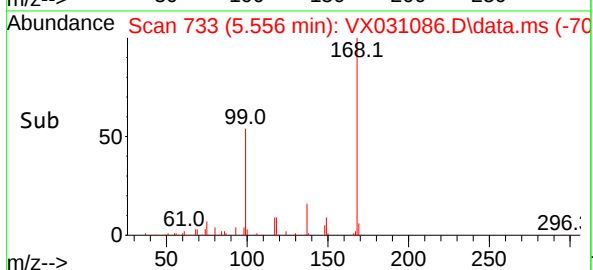
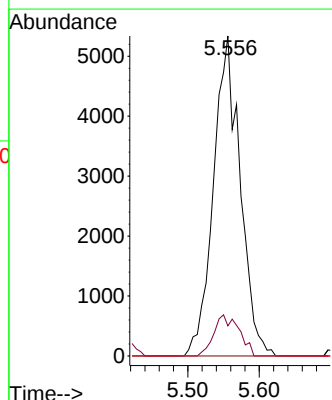
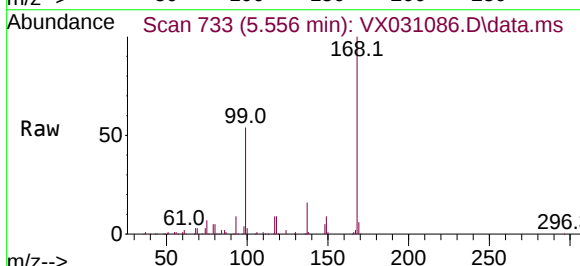
Tgt Ion: 75 Resp: 13841

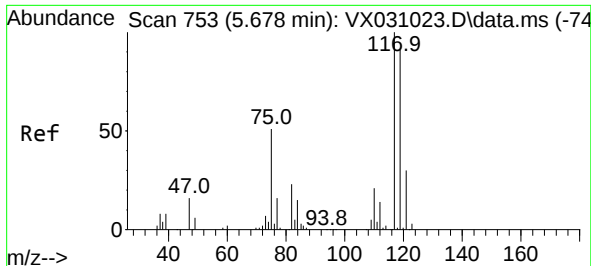
Ion Ratio Lower Upper

75 100

110 12.1 19.3 57.9#

77 0.0 24.4 36.6#

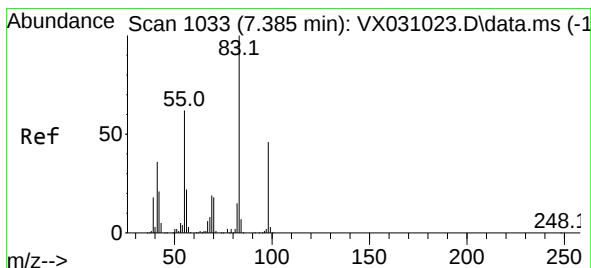
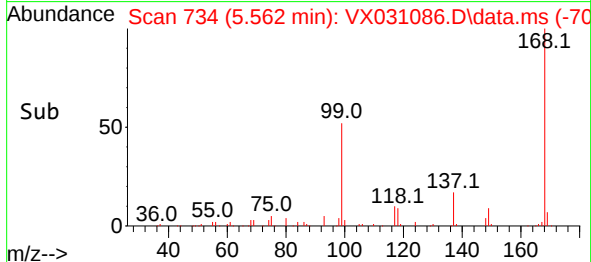
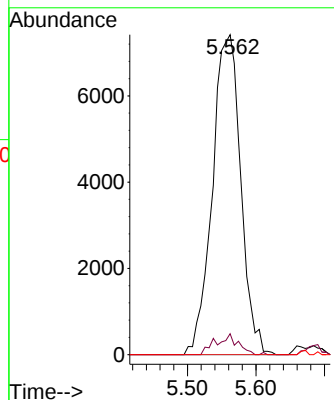
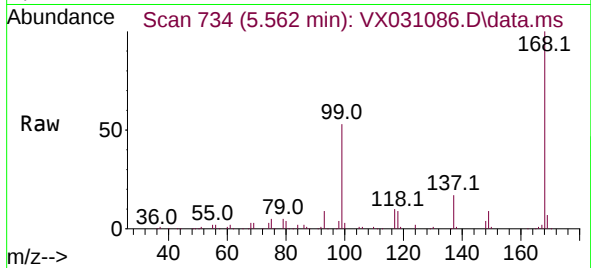




#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

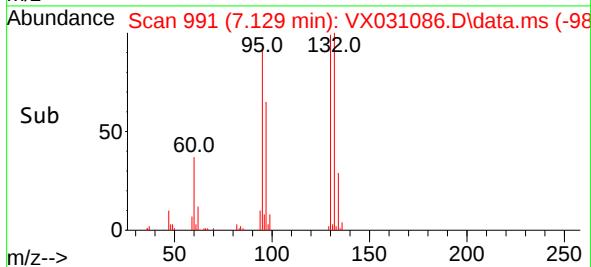
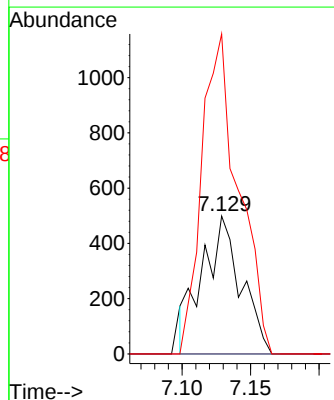
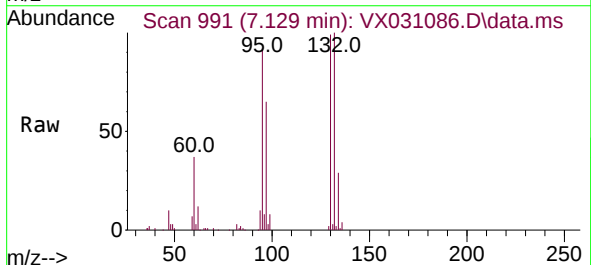
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

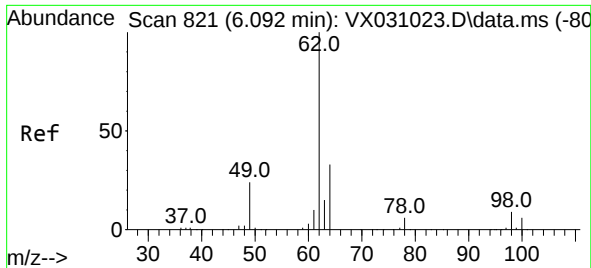
Tgt Ion:117 Resp: 21304
Ion Ratio Lower Upper
117 100
119 6.6 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.221 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 83 Resp: 979
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 232.1 36.5 54.7#





#42

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

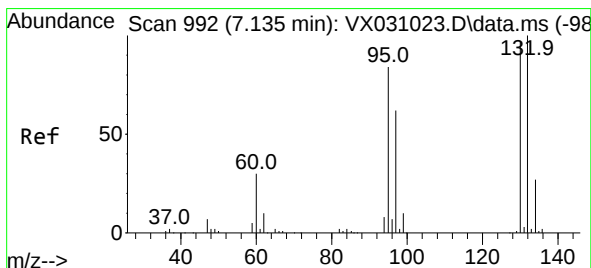
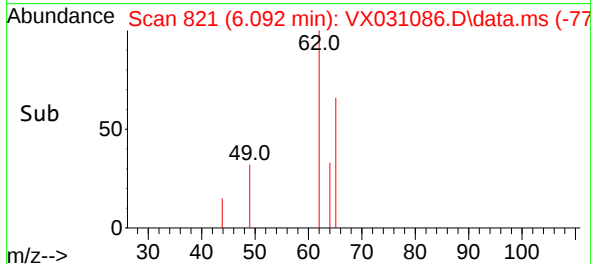
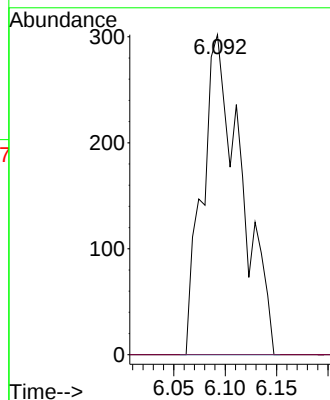
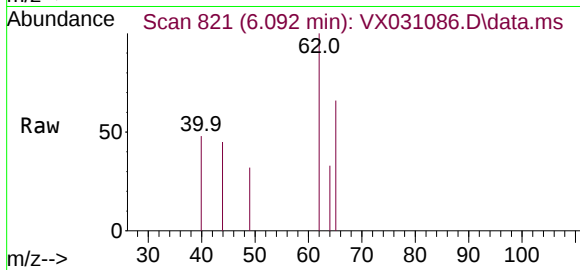
RE134D4-20220823

Tgt Ion: 62 Resp: 787

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 24.617 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031086.D

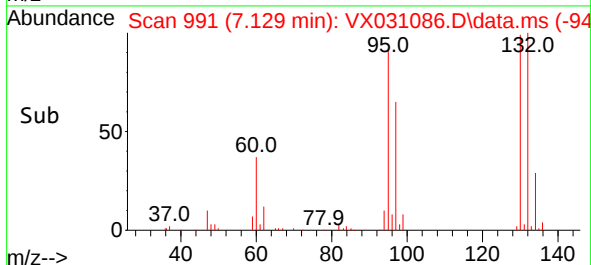
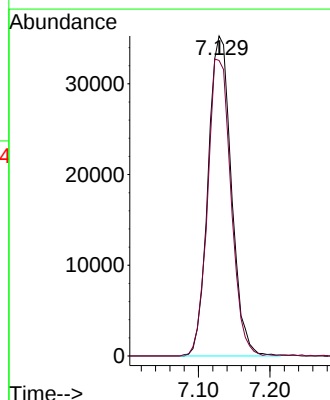
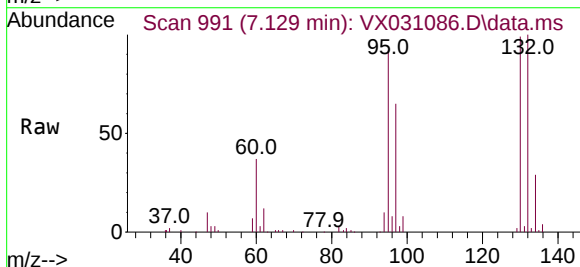
Acq: 03 Sep 2022 16:40

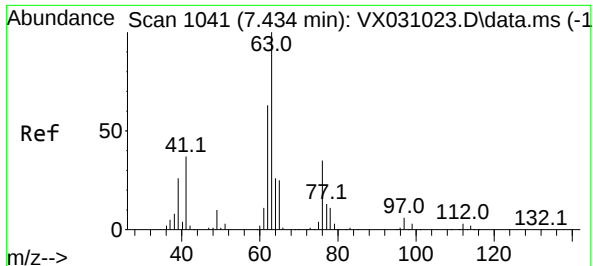
Tgt Ion:130 Resp: 79966

Ion Ratio Lower Upper

130 100

95 92.3 0.0 194.8





#45

1,2-Dichloropropane

Concen: 0.351 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.012 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

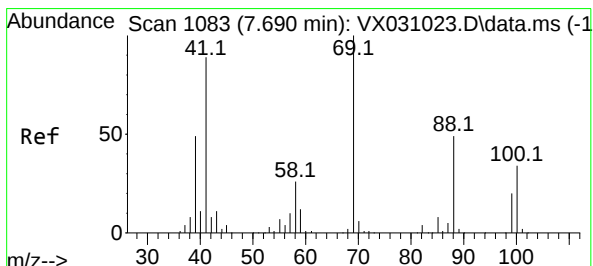
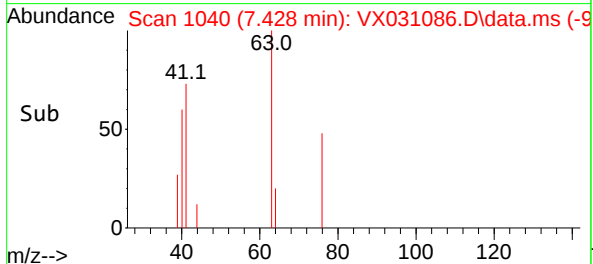
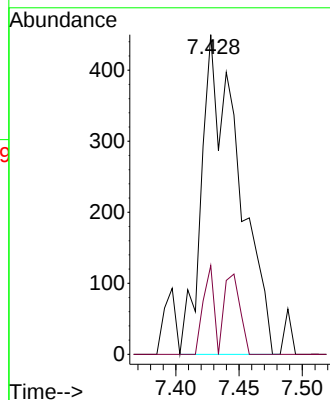
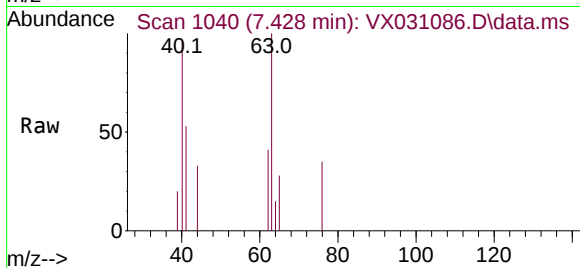
RE134D4-20220823

Tgt Ion: 63 Resp: 923

Ion Ratio Lower Upper

63 100

65 27.8 25.2 37.8



#49

1,4-Dioxane

Concen: 2.254 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.013 min

Lab File: VX031086.D

Acq: 03 Sep 2022 16:40

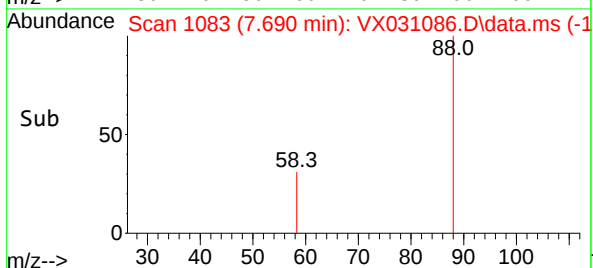
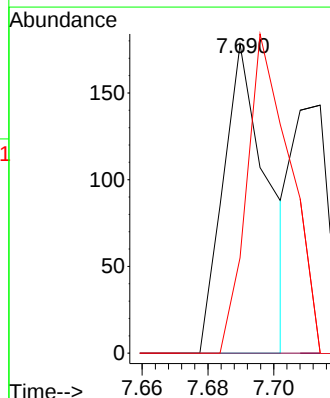
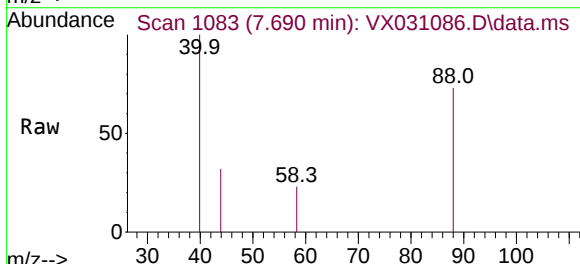
Tgt Ion: 88 Resp: 168

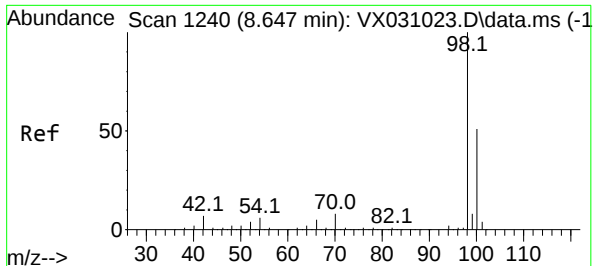
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 100.0 53.8 80.6#

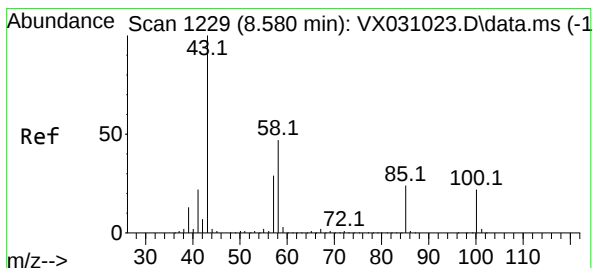
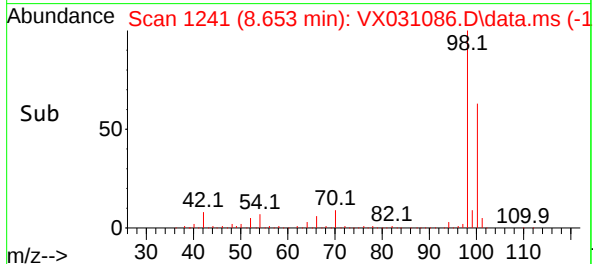
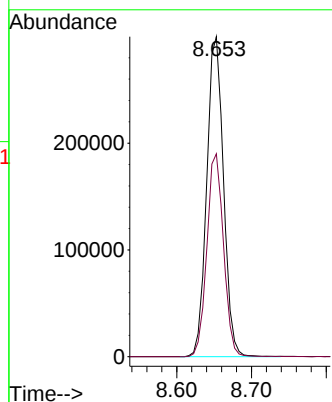
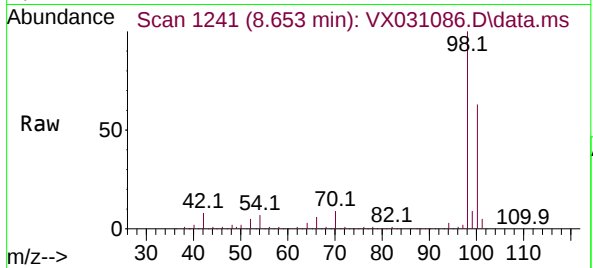




#50
Toluene-d8
Concen: 49.667 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

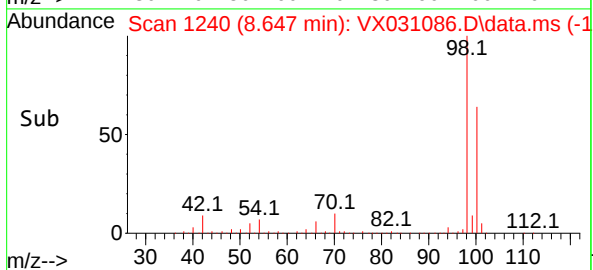
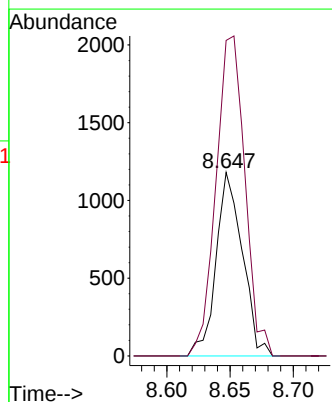
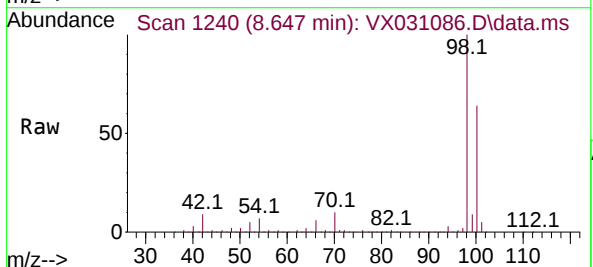
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

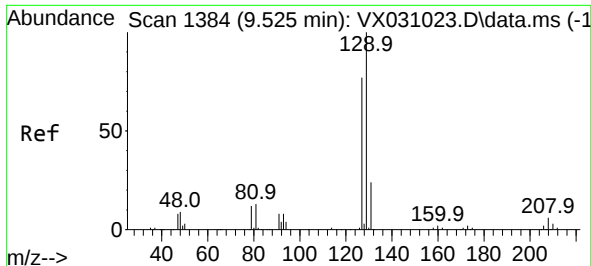
Tgt Ion: 98 Resp: 466492
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
58 191.5 31.4 47.2#

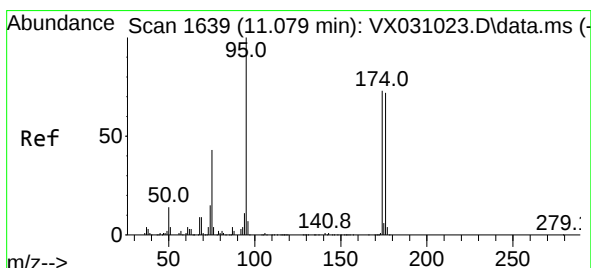
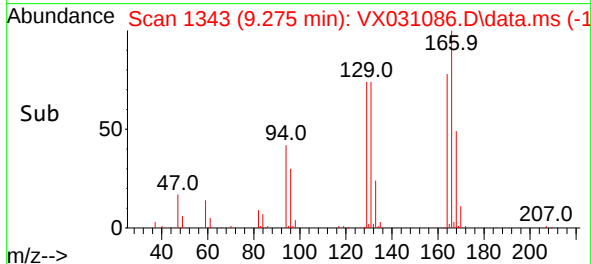
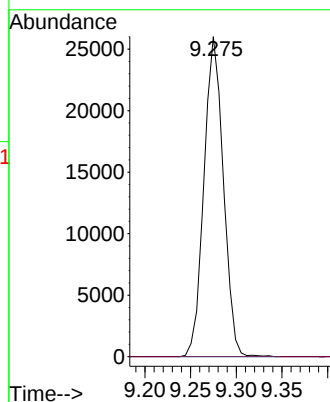
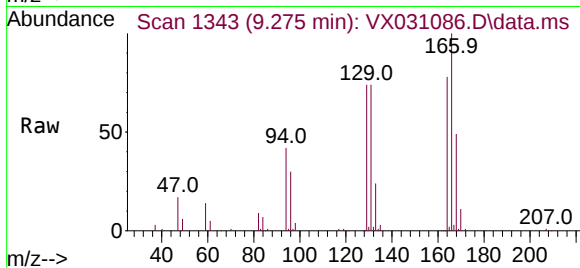




#60
Dibromochloromethane
Concen: 13.060 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

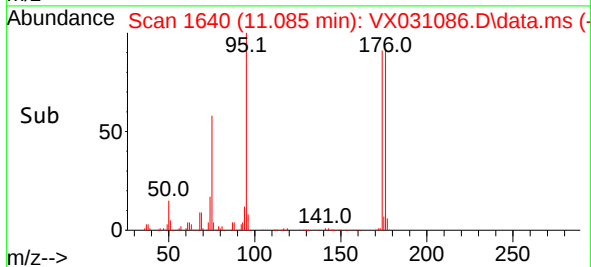
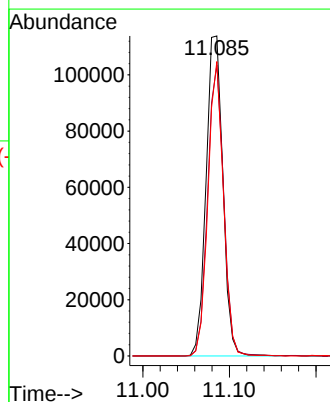
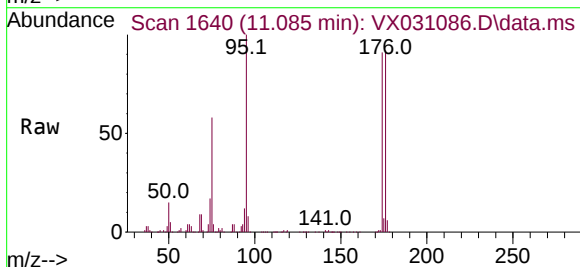
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

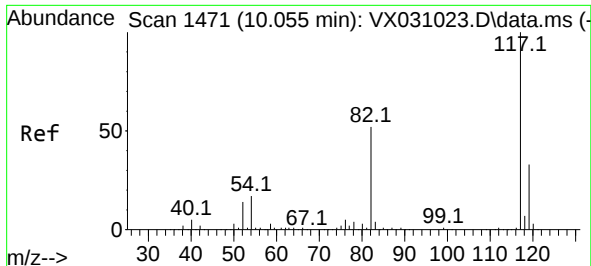
Tgt Ion:129 Resp: 38370
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.310 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 95 Resp: 153629
Ion Ratio Lower Upper
95 100
174 86.7 0.0 149.0
176 84.4 0.0 146.0

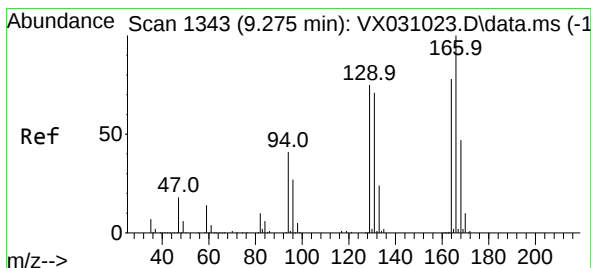
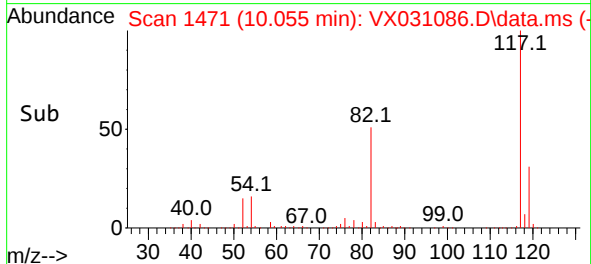
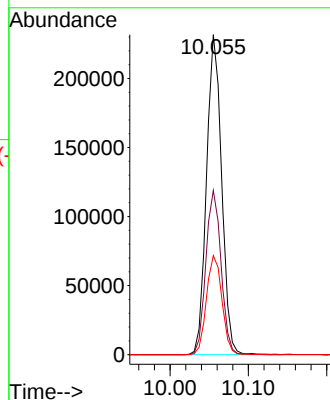
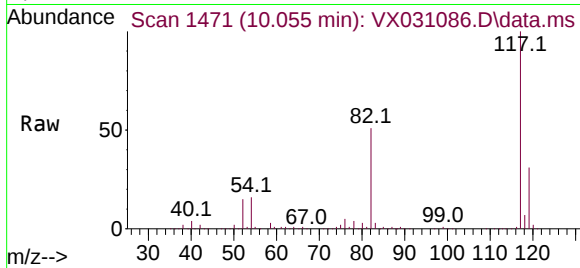




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

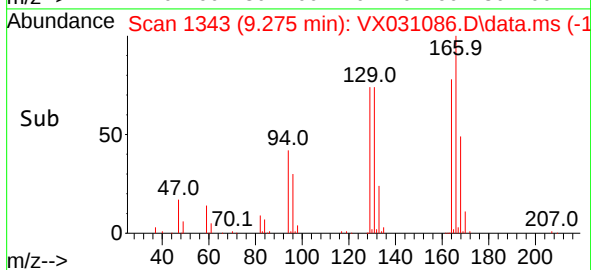
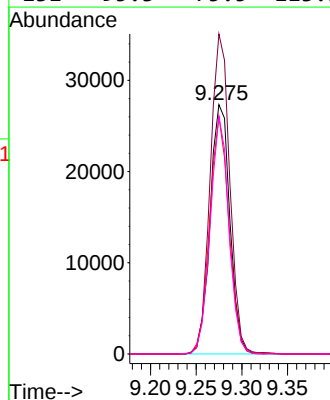
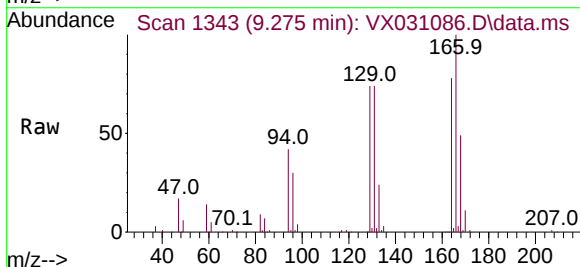
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

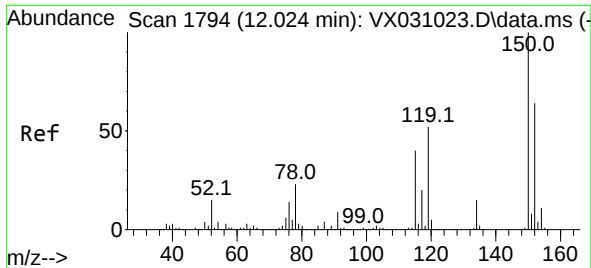
Tgt Ion:117 Resp: 309748
Ion Ratio Lower Upper
117 100
82 51.4 42.7 64.1
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 13.300 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion:164 Resp: 41133
Ion Ratio Lower Upper
164 100
166 128.3 98.2 147.4
129 95.2 80.8 121.2
131 95.3 75.5 113.3

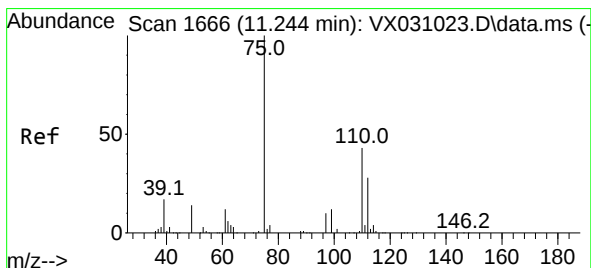
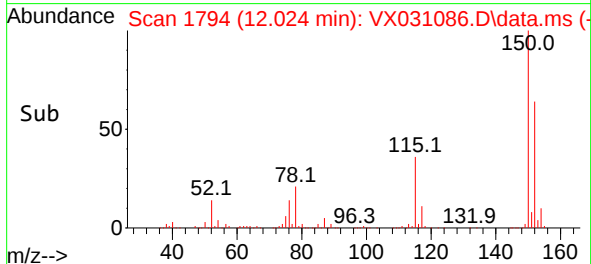
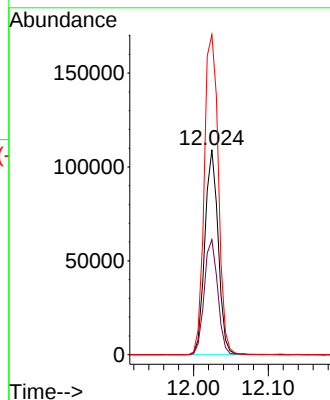
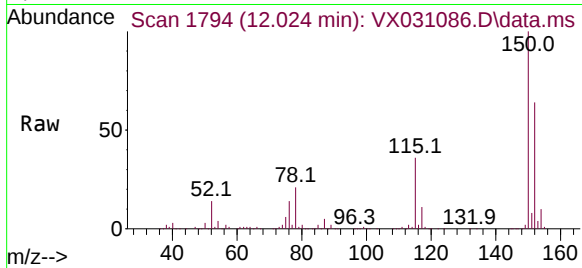




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

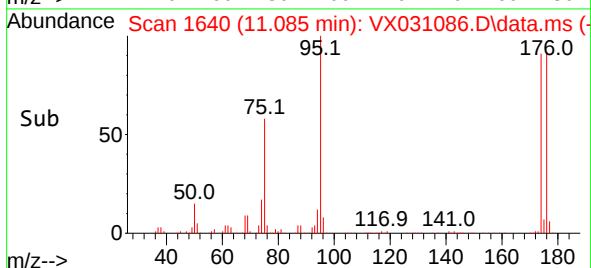
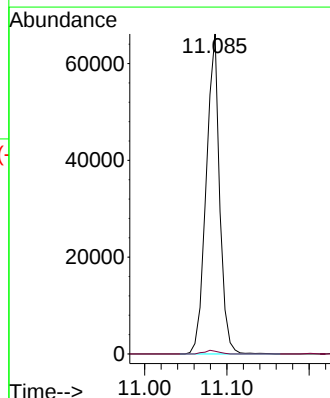
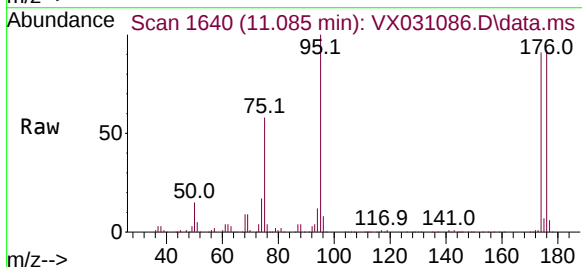
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20220823

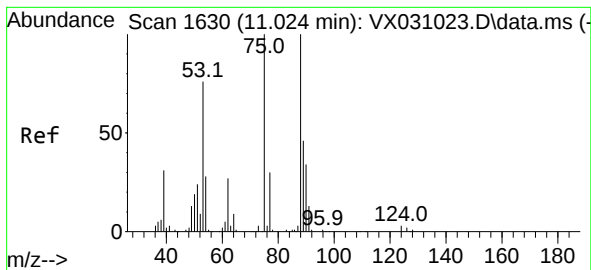
Tgt Ion:152 Resp: 135124
Ion Ratio Lower Upper
152 100
115 56.9 40.5 121.5
150 165.4 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 23.468 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX031086.D
Acq: 03 Sep 2022 16:40

Tgt Ion: 75 Resp: 74963
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.755 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031086.D
 Acq: 03 Sep 2022 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20220823

Tgt Ion: 75 Resp: 74963
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

