

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024416.D
 Acq On : 22 Sep 2021 04:12
 Operator : JC/MD
 Sample : M3833-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20210920

Quant Time: Oct 01 04:13:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

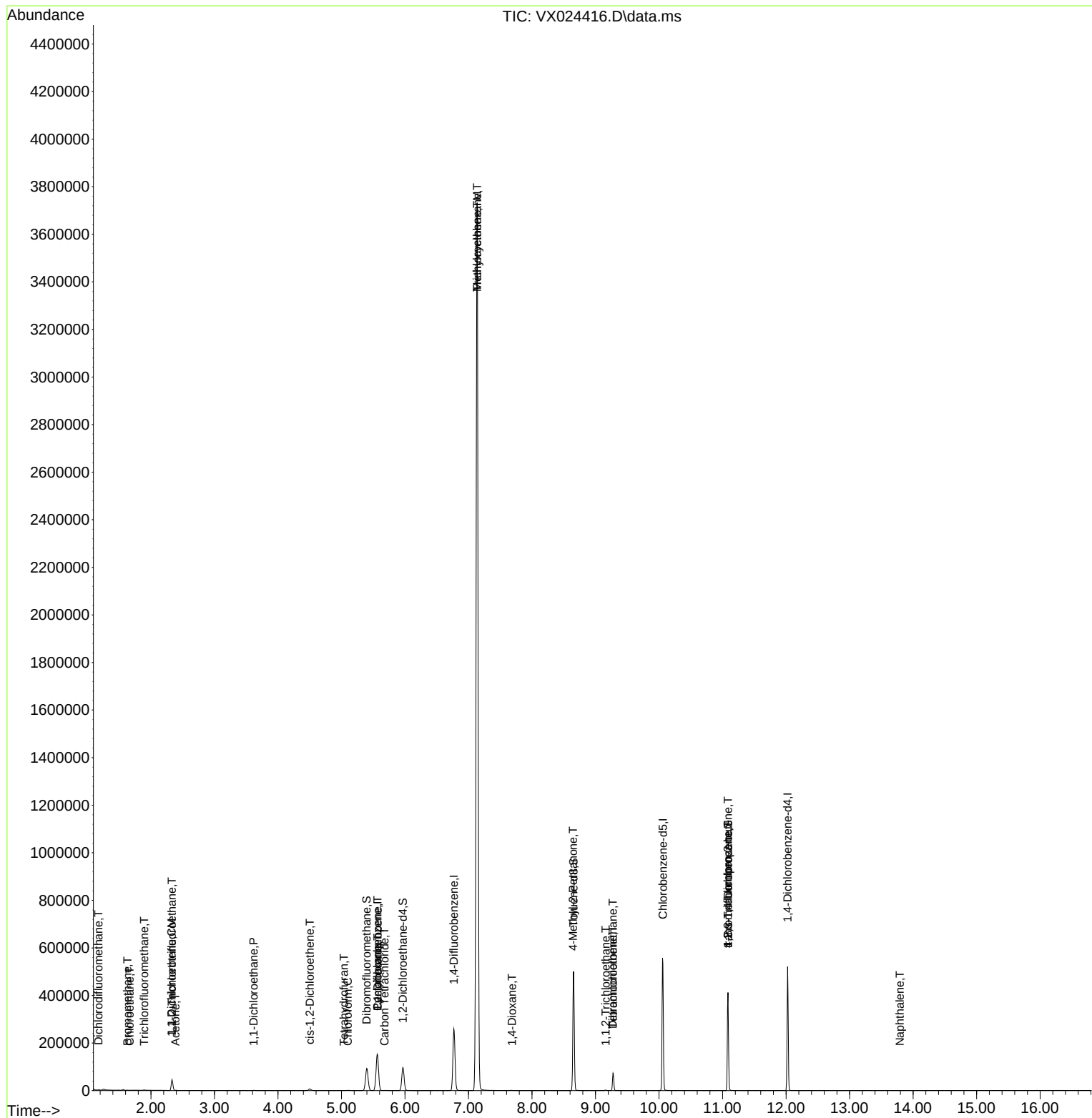
Internal Standards						
1) Pentafluorobenzene	5.568	168	140931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	252824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100289	49.904	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.800%
35) Dibromofluoromethane	5.397	113	78808	44.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.500%
50) Toluene-d8	8.653	98	290178	45.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.460%#
62) 4-Bromofluorobenzene	11.085	95	103354	41.399	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	468	0.345	ug/l	99
5) Bromomethane	1.630	94	374	0.446	ug/l	91
6) Chloroethane	1.666	64	245	0.263	ug/l #	43
7) Trichlorofluoromethane	1.892	101	889	0.376	ug/l #	61
9) 1,1,2-Trichlorotrifluo...	2.331	101	13233	9.538	ug/l	98
12) 1,1-Dichloroethene	2.325	96	4604	3.543	ug/l	81
16) Acetone	2.386	43	541	0.631	ug/l #	67
24) 1,1-Dichloroethane	3.617	63	1531	0.563	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	4832	2.941	ug/l	92
29) Tetrahydrofuran	5.038	42	211	0.267	ug/l #	44
30) Chloroform	5.099	83	1502	0.519	ug/l #	54
31) Cyclohexane	5.568	56	3206	1.364	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	10817	4.481	ug/l #	50
38) Carbon Tetrachloride	5.678	117	868	0.319	ug/l #	57
39) Methylcyclohexane	7.135	83	17045	5.914	ug/l #	1
44) Trichloroethene	7.135	130	1408462	723.976	ug/l	98
49) 1,4-Dioxane	7.684	88	1059	22.637	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1398	0.490	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	801	0.414	ug/l #	79
60) Dibromochloromethane	9.275	129	13296	7.583	ug/l #	11
64) Tetrachloroethene	9.275	164	13949	7.122	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	56378	23.798	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56378	69.989	ug/l #	12
95) Naphthalene	13.792	128	19	1.290	ug/l #	69

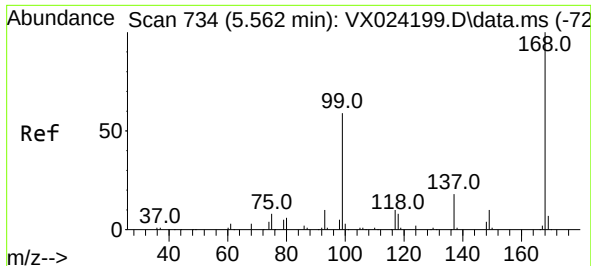
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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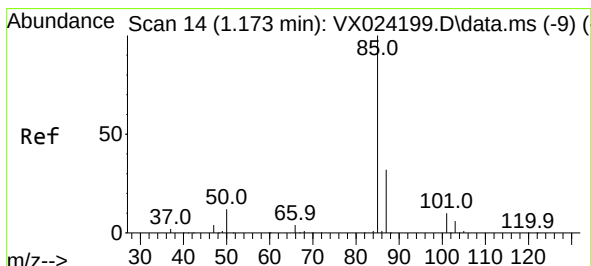
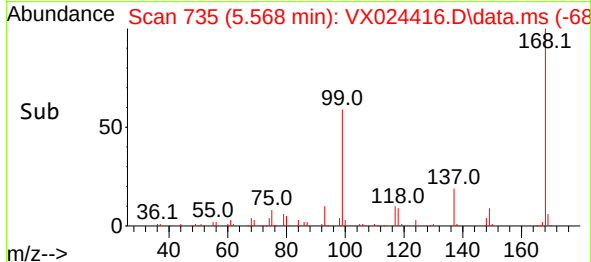
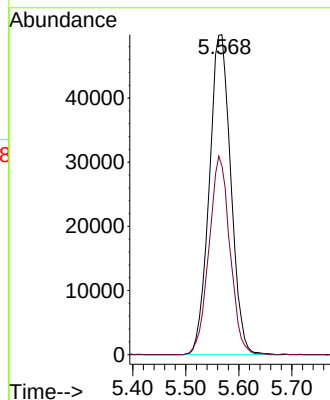
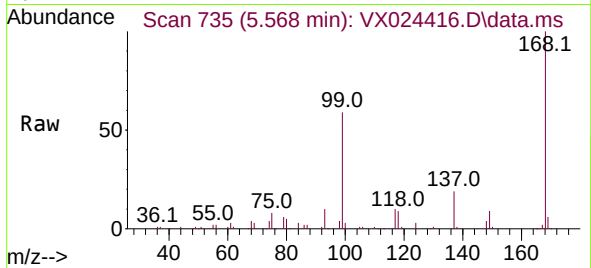




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

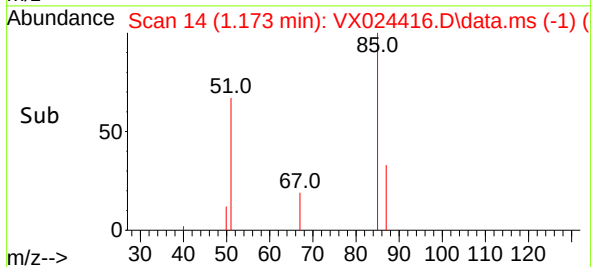
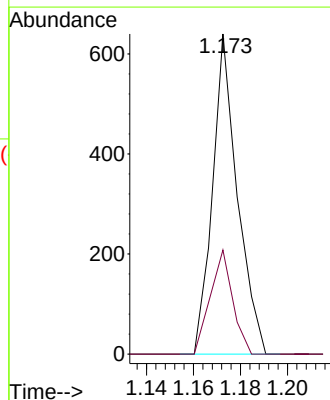
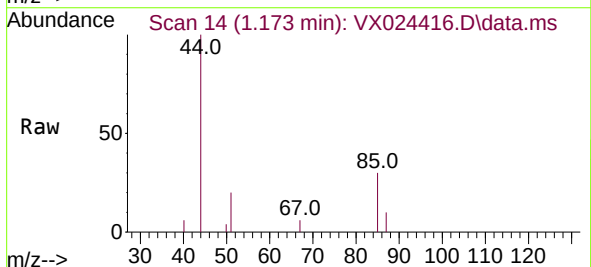
Instrument :
MSVOA_X
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RE103D1-20210920

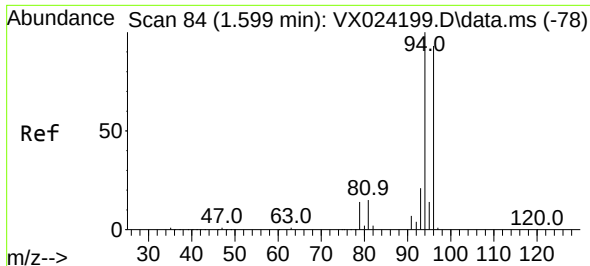
Tgt Ion:168 Resp: 140931
Ion Ratio Lower Upper
168 100
99 59.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.345 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 85 Resp: 468
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.2

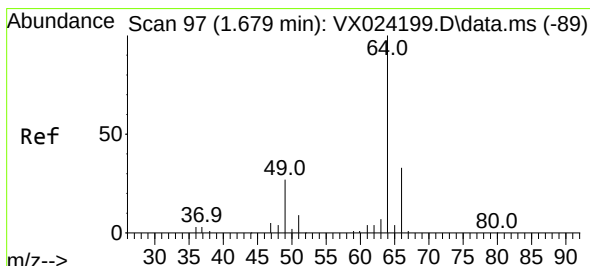
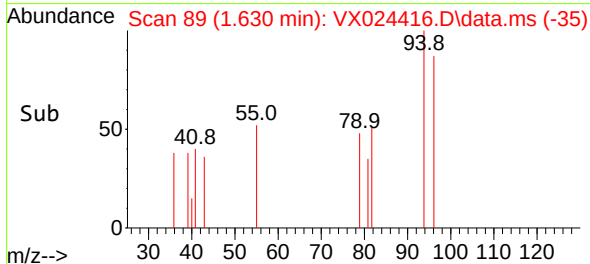
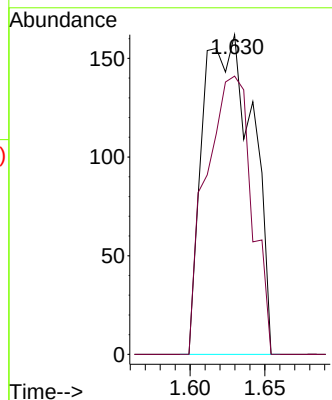
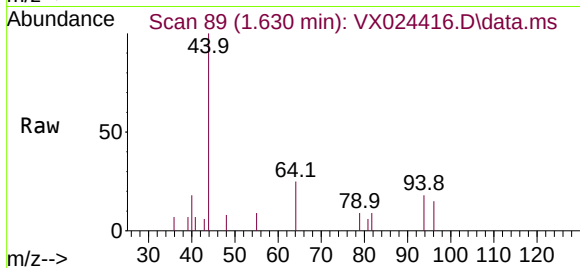




#5
Bromomethane
Concen: 0.446 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

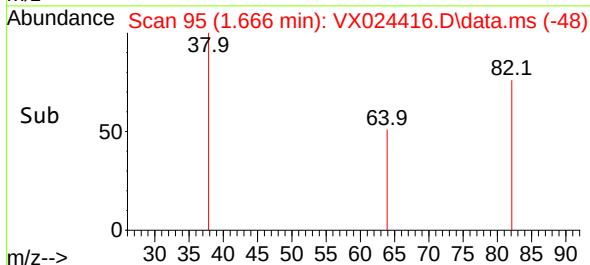
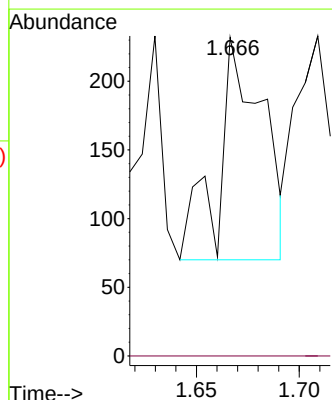
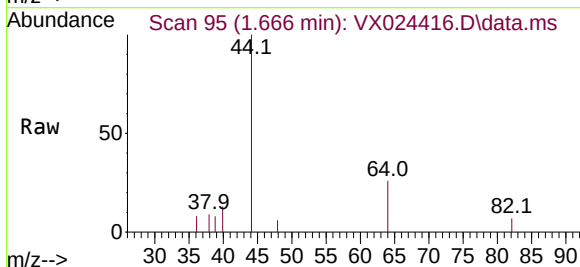
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

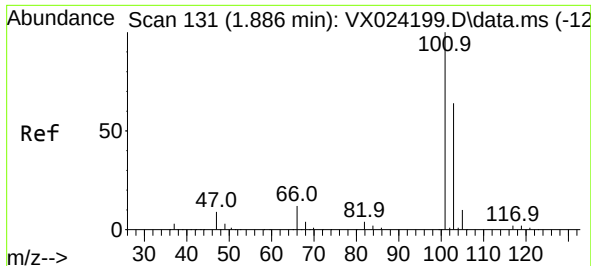
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 87.0 76.4 114.6



#6
Chloroethane
Concen: 0.263 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

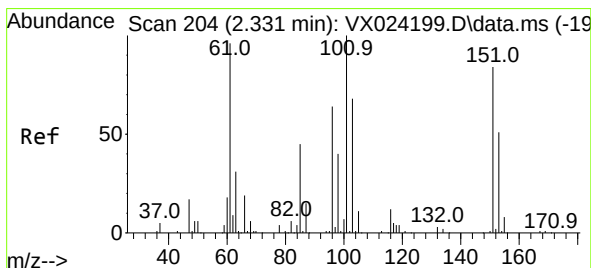
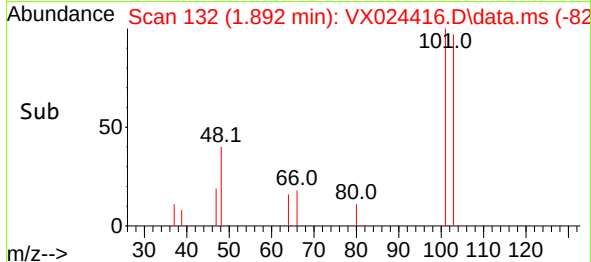
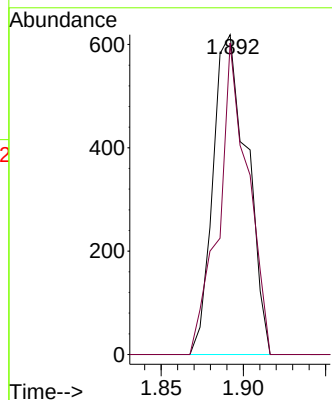
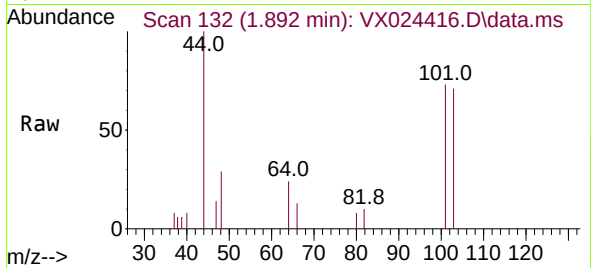




#7
Trichlorofluoromethane
Concen: 0.376 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

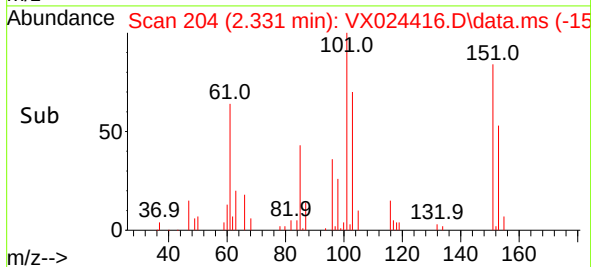
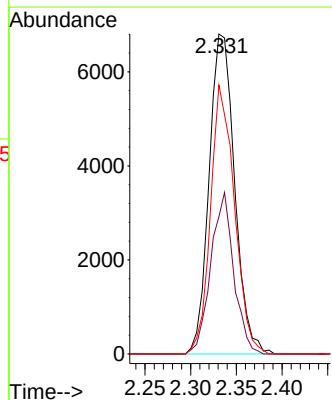
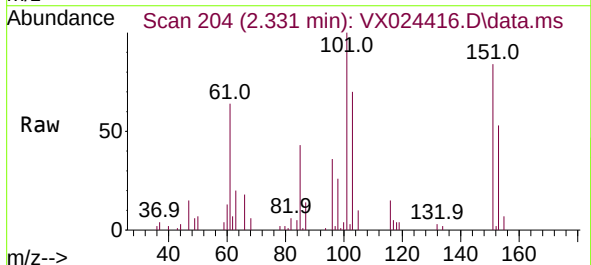
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

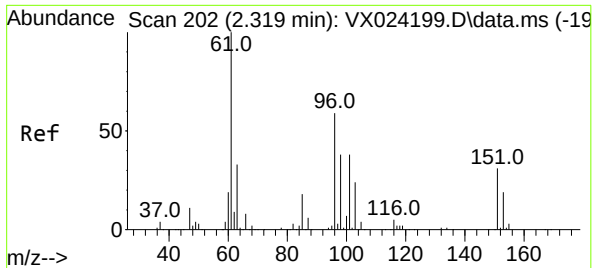
Tgt Ion:101 Resp: 889
Ion Ratio Lower Upper
101 100
103 97.4 53.2 79.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.538 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion:101 Resp: 13233
Ion Ratio Lower Upper
101 100
85 45.3 34.9 52.3
151 78.8 61.4 92.2





#12

1,1-Dichloroethene

Concen: 3.543 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

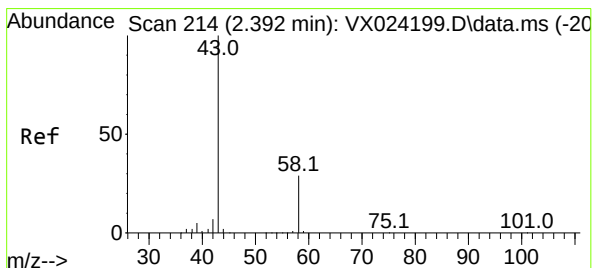
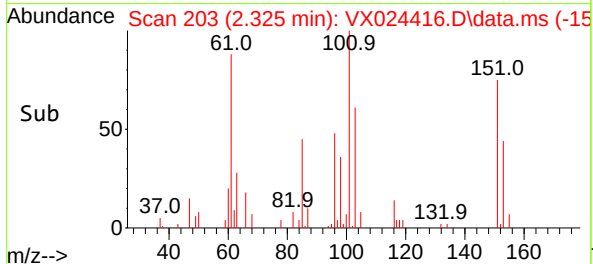
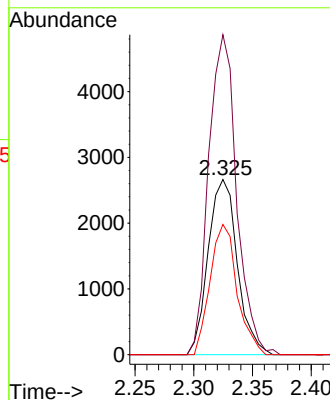
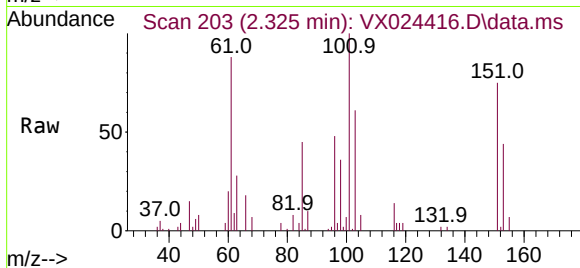
Tgt Ion: 96 Resp: 4604

Ion Ratio Lower Upper

96 100

61 182.6 124.6 187.0

98 74.3 50.6 76.0



#16

Acetone

Concen: 0.631 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024416.D

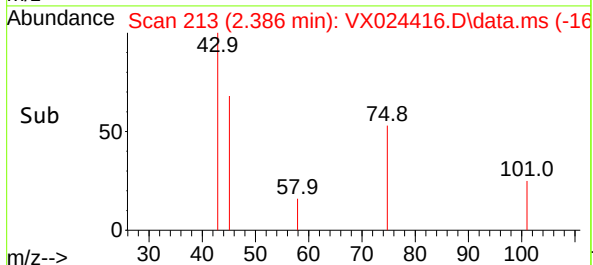
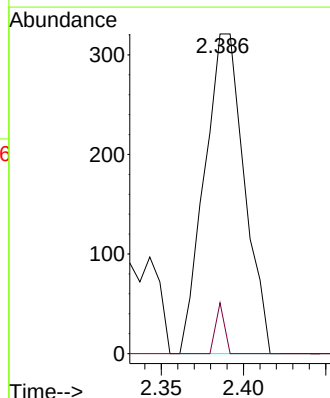
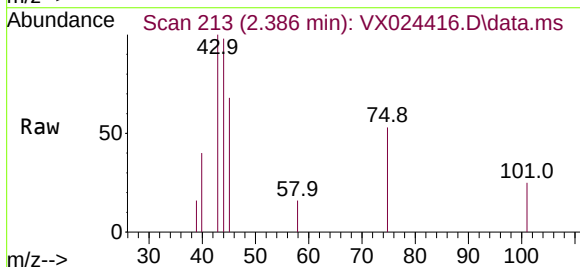
Acq: 22 Sep 2021 04:12

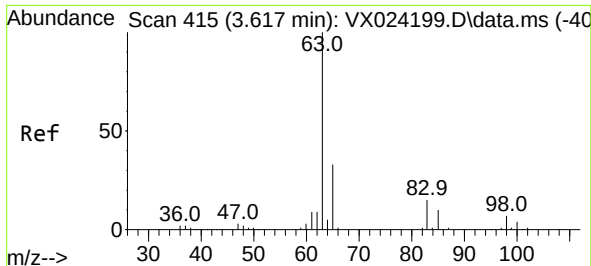
Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

58 15.9 27.8 41.8#

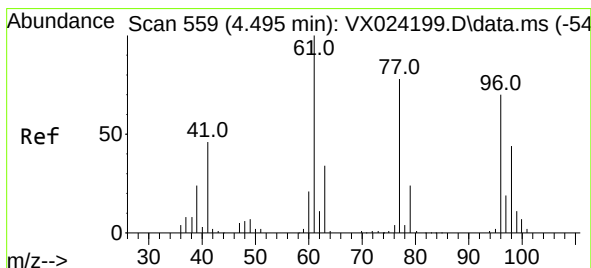
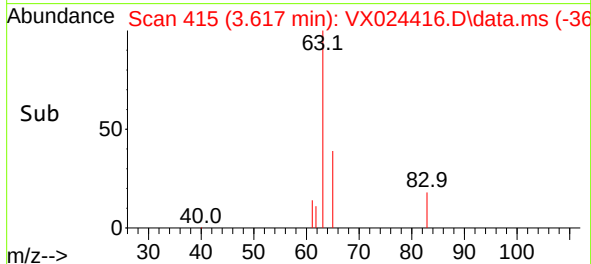
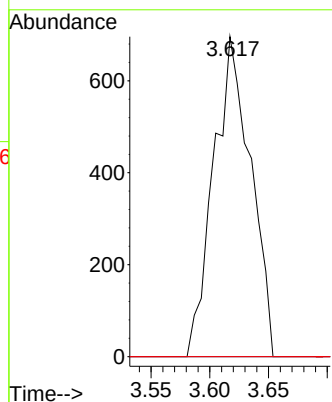
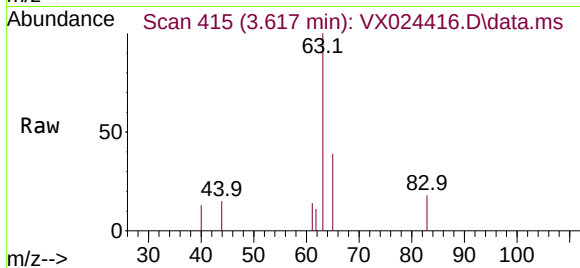




#24
1,1-Dichloroethane
Concen: 0.563 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

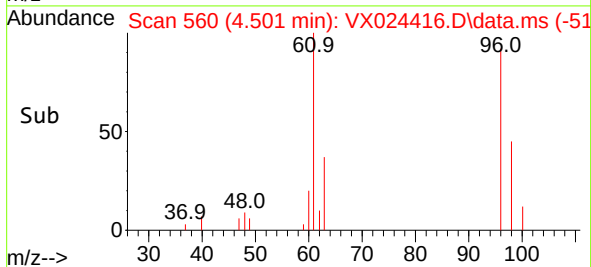
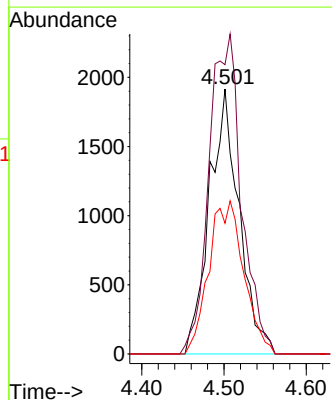
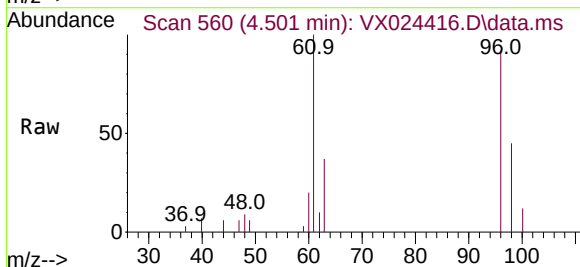
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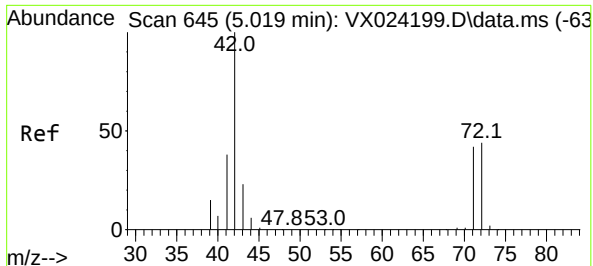
Tgt Ion: 63 Resp: 1531
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.941 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 96 Resp: 4832
Ion Ratio Lower Upper
96 100
61 131.1 0.0 285.6
98 67.6 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.267 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

Tgt Ion: 42 Resp: 211

Ion Ratio Lower Upper

42 100

72 14.2 41.7 62.5#

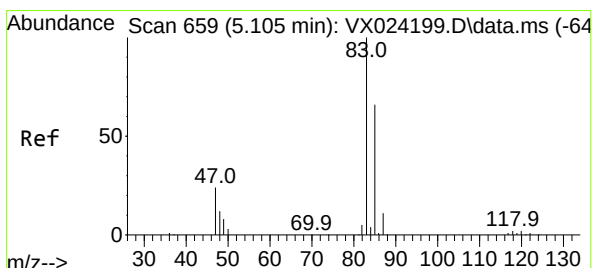
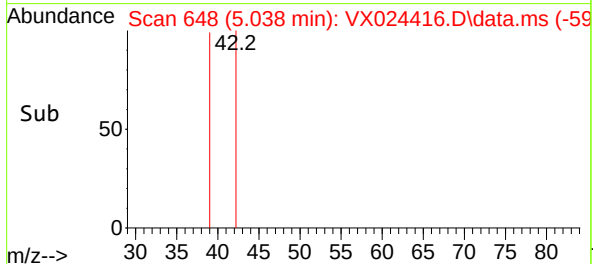
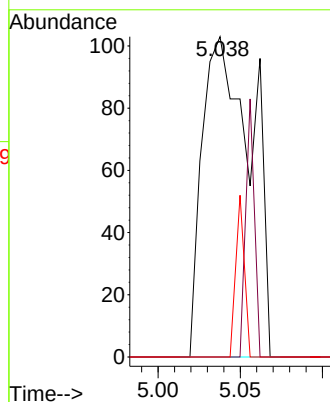
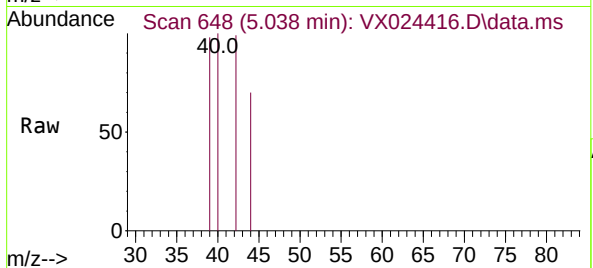
71 9.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

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#30

Chloroform

Concen: 0.519 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX024416.D

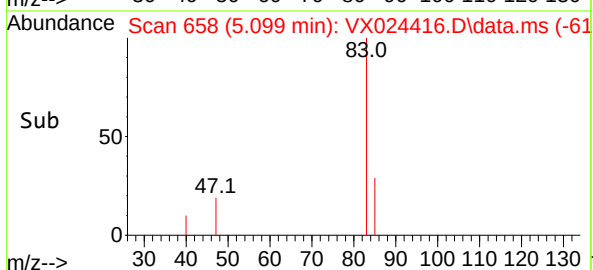
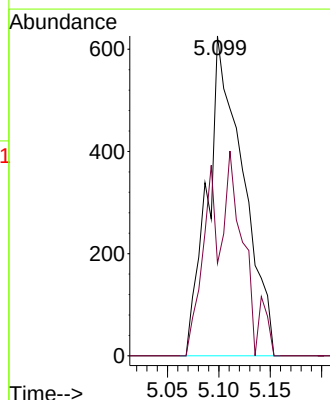
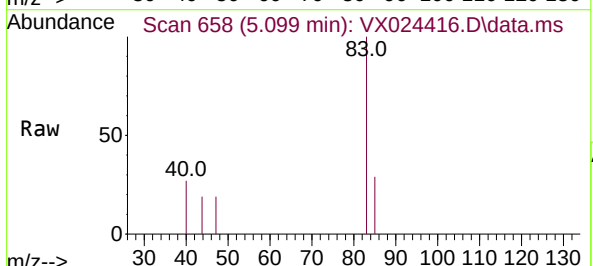
Acq: 22 Sep 2021 04:12

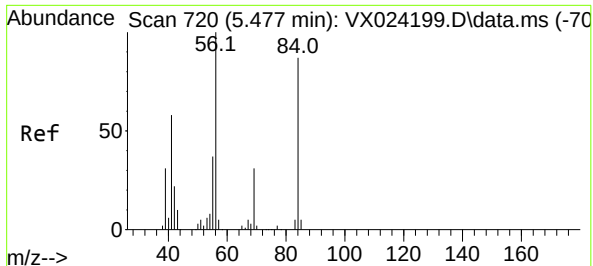
Tgt Ion: 83 Resp: 1502

Ion Ratio Lower Upper

83 100

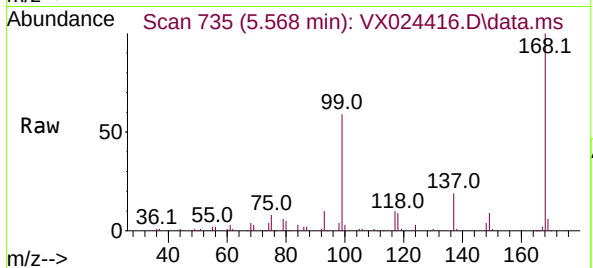
85 28.9 52.0 78.0#



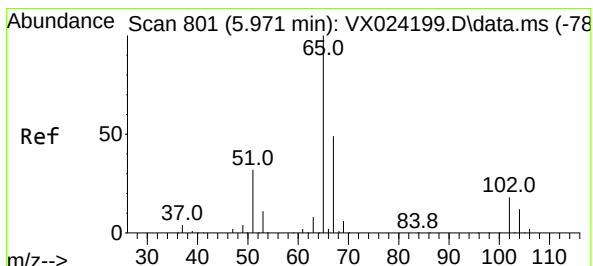
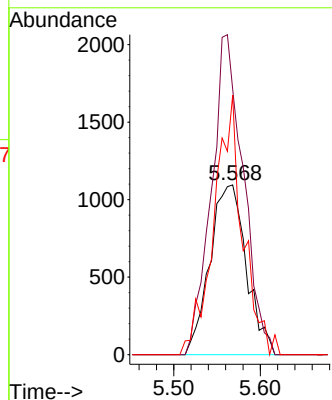
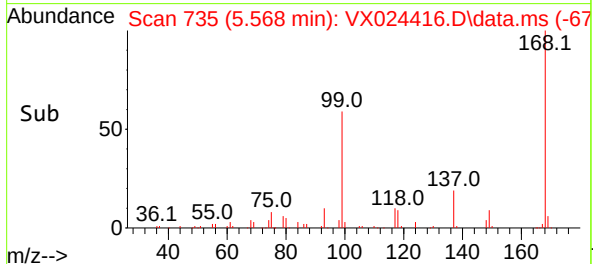


#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

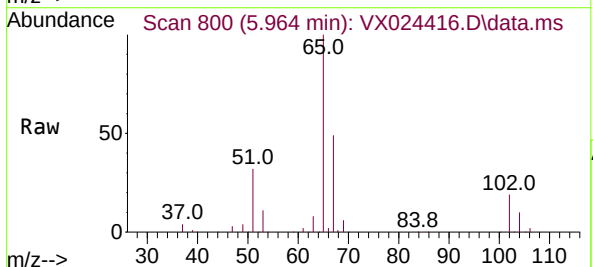
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MSVOA_X
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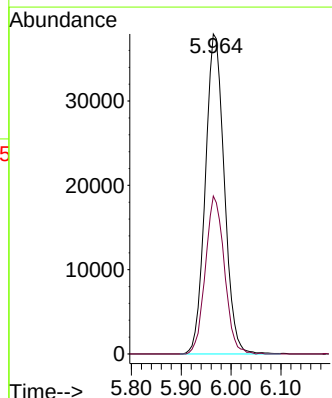
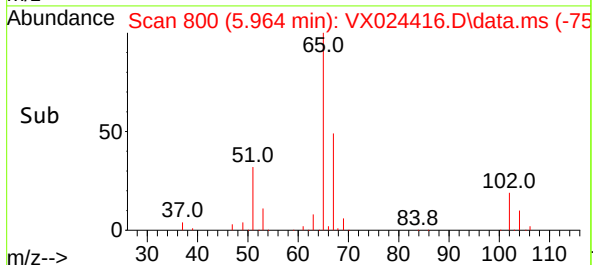
Tgt Ion: 56 Resp: 3206
Ion Ratio Lower Upper
56 100
69 156.3 25.3 37.9#
84 152.9 71.4 107.0#

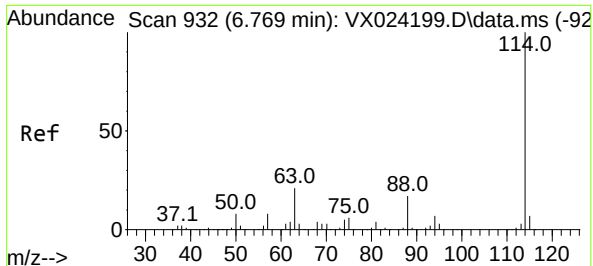


#33
1,2-Dichloroethane-d4
Concen: 49.904 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12



Tgt Ion: 65 Resp: 100289
Ion Ratio Lower Upper
65 100
67 49.4 0.0 105.4

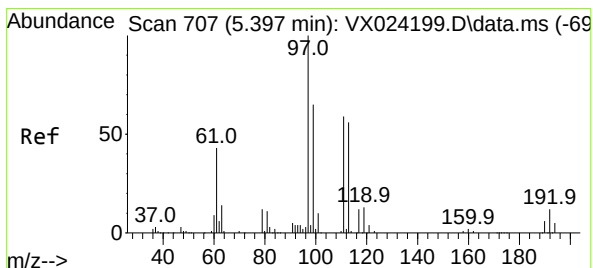
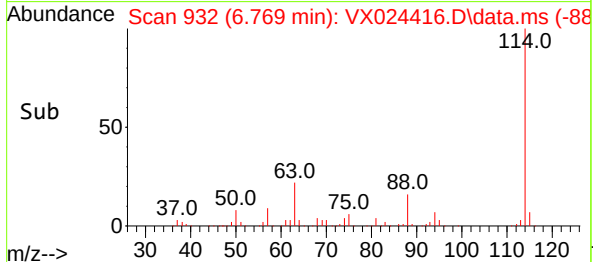
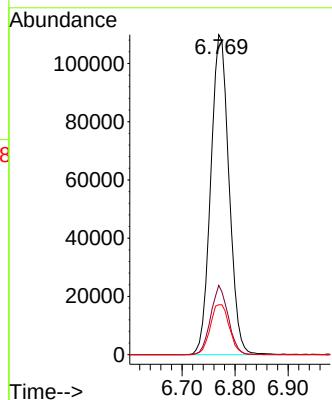
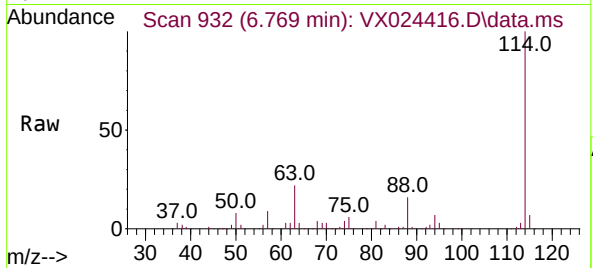




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

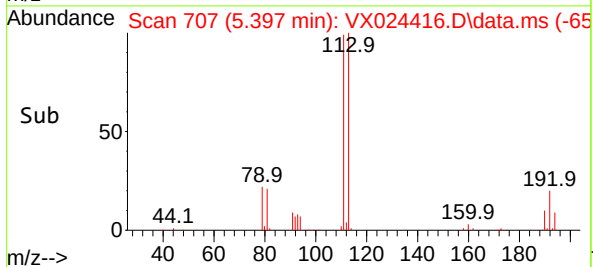
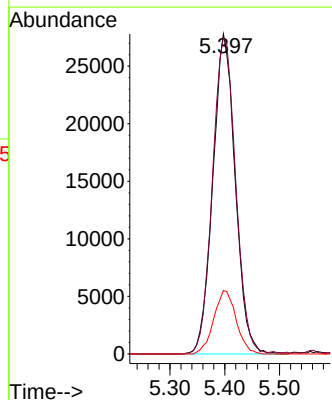
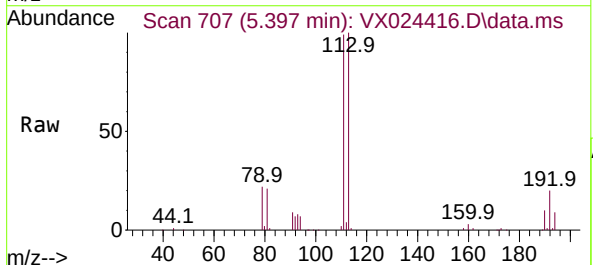
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

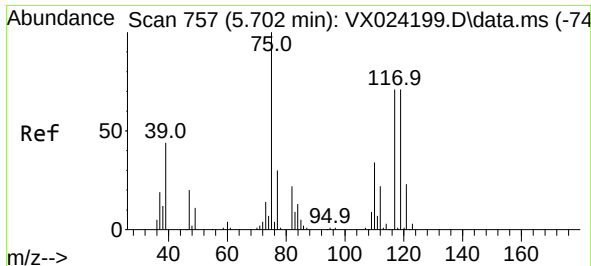
Tgt Ion:114 Resp: 262579
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 44.753 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion:113 Resp: 78808
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.481 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

Tgt Ion: 75 Resp: 10817

Ion Ratio Lower Upper

75 100

110 10.0 18.1 54.4#

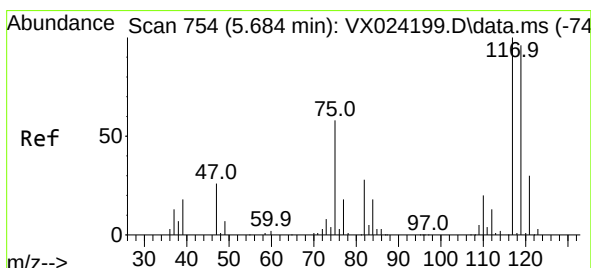
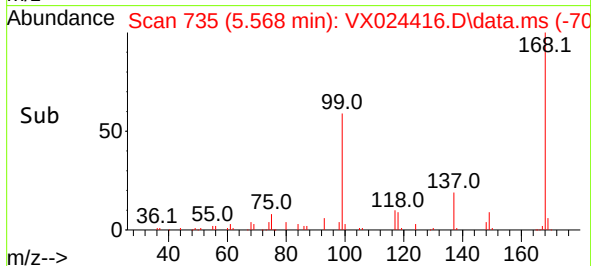
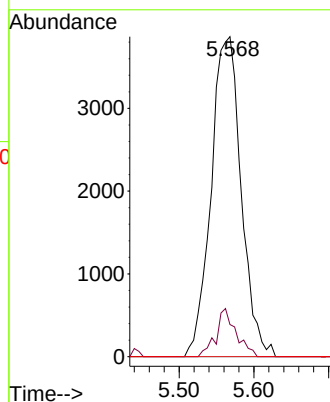
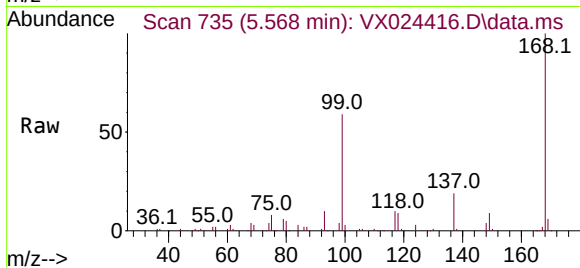
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210920



#38

Carbon Tetrachloride

Concen: 0.319 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

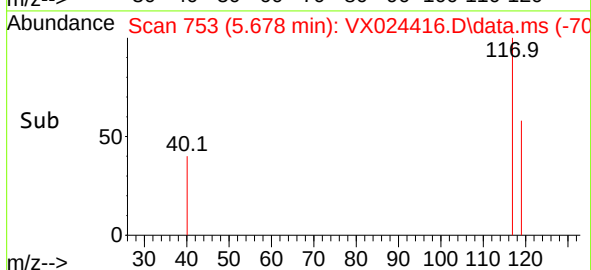
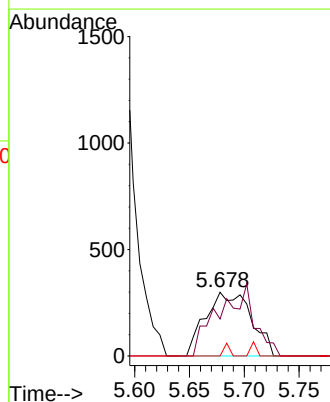
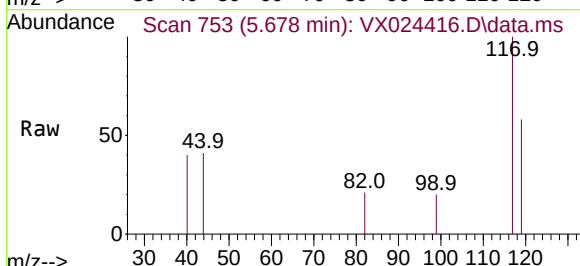
Tgt Ion: 117 Resp: 868

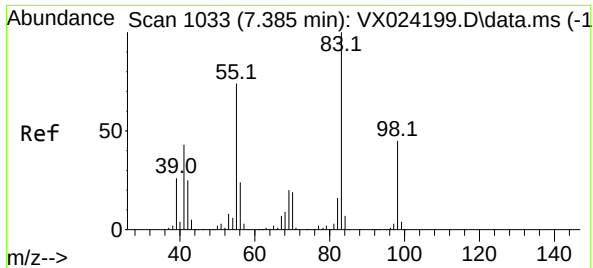
Ion Ratio Lower Upper

117 100

119 58.2 76.2 114.2#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 5.914 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

Tgt Ion: 83 Resp: 17045

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

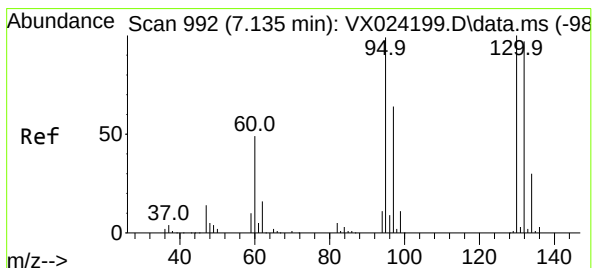
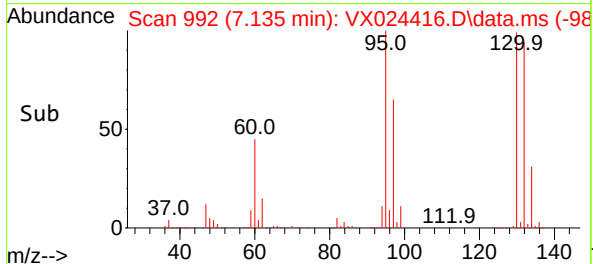
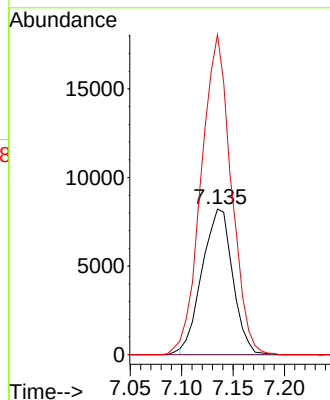
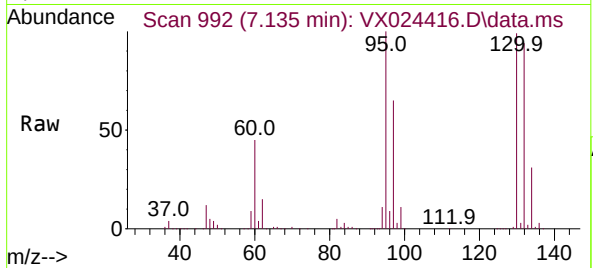
98 219.8 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20210920



#44

Trichloroethene

Concen: 723.976 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX024416.D

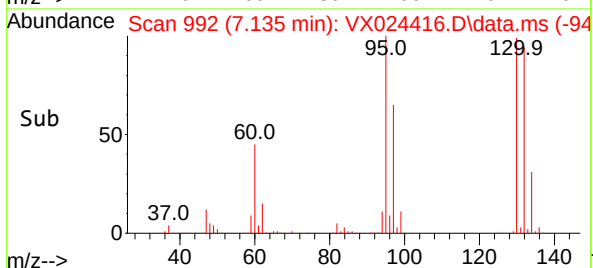
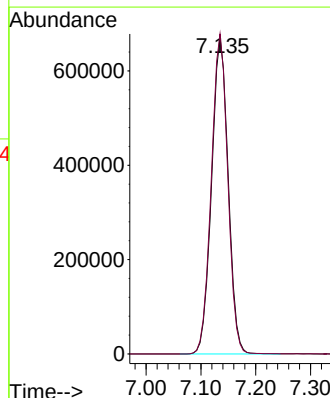
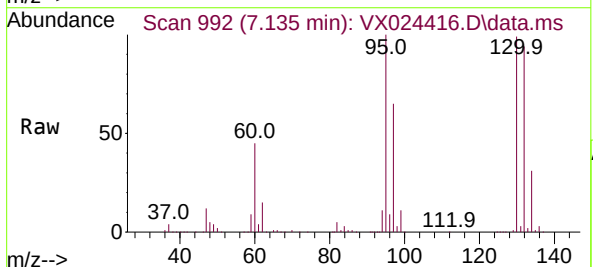
Acq: 22 Sep 2021 04:12

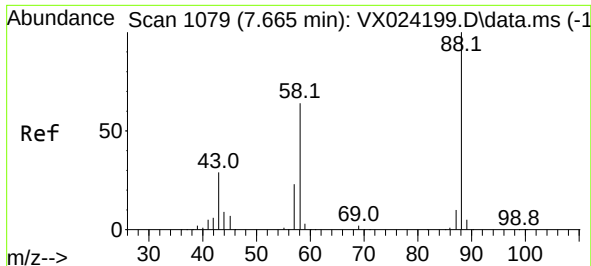
Tgt Ion:130 Resp: 1408462

Ion Ratio Lower Upper

130 100

95 100.9 0.0 198.0





#49

1,4-Dioxane

Concen: 22.637 ug/l

RT: 7.684 min Scan# 1082

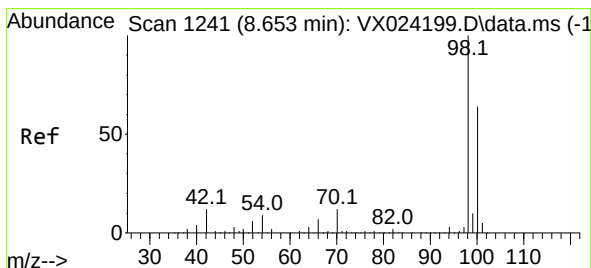
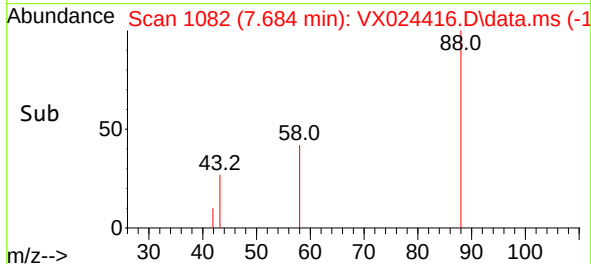
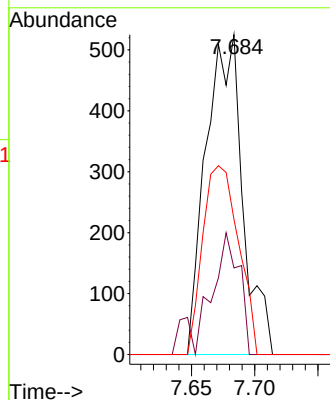
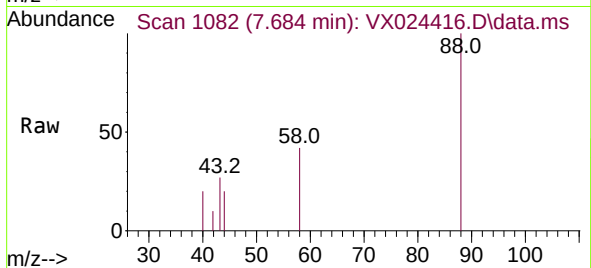
Delta R.T. 0.019 min

Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

Tgt Ion: 88 Resp: 1059

Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.2	34.8
58	57.8	55.0	82.4



#50

Toluene-d8

Concen: 45.233 ug/l

RT: 8.653 min Scan# 1241

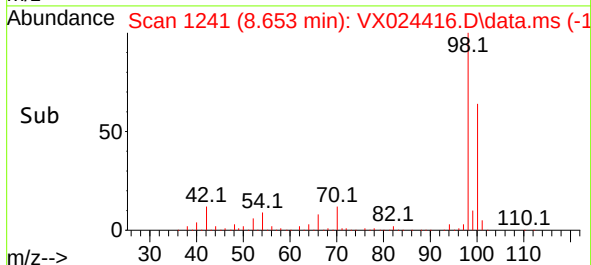
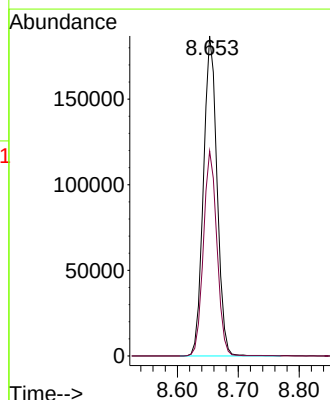
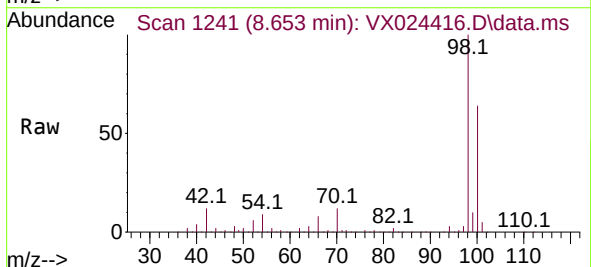
Delta R.T. -0.000 min

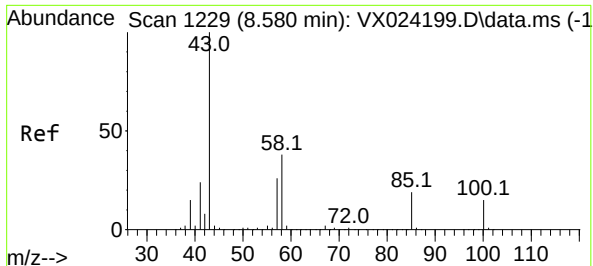
Lab File: VX024416.D

Acq: 22 Sep 2021 04:12

Tgt Ion: 98 Resp: 290178

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.9	77.9

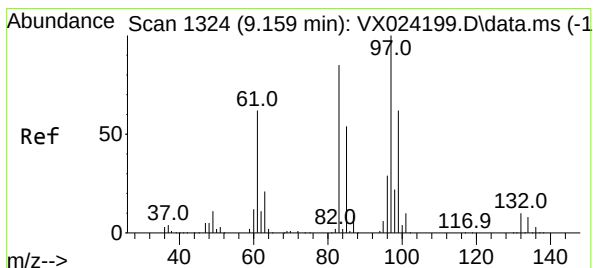
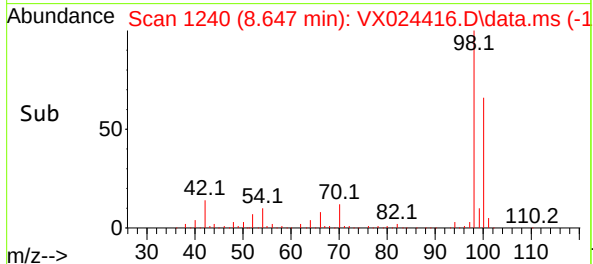
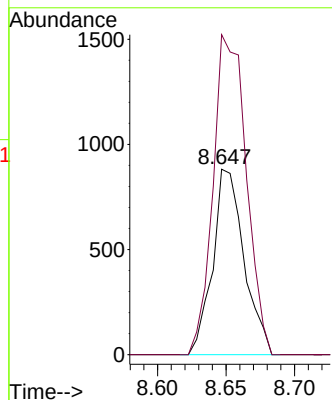
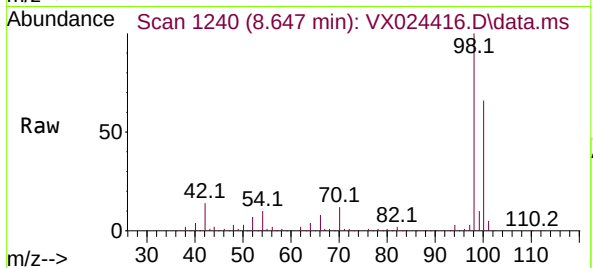




#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

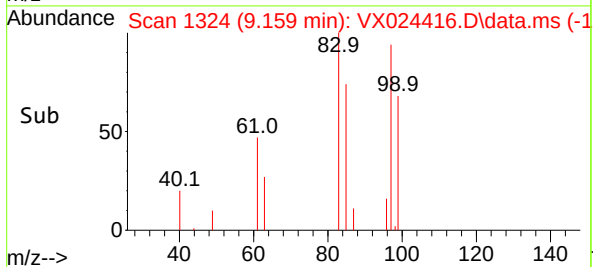
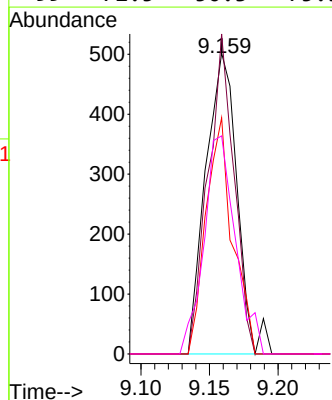
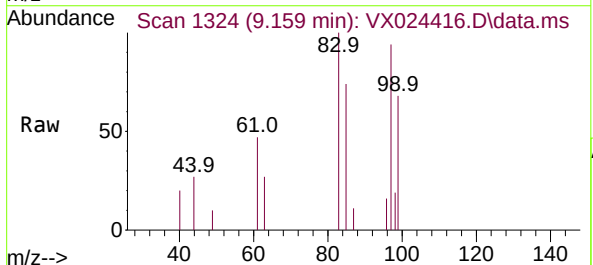
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

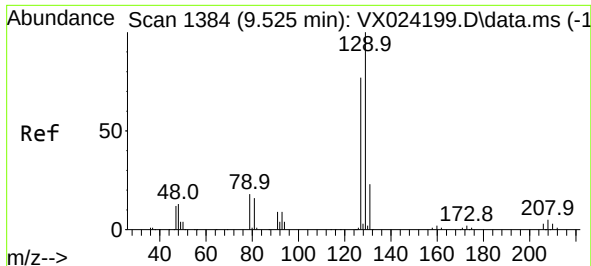
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
58 183.4 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.414 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 97 Resp: 801
Ion Ratio Lower Upper
97 100
83 106.4 69.3 103.9#
85 78.5 44.3 66.5#
99 72.5 50.3 75.5

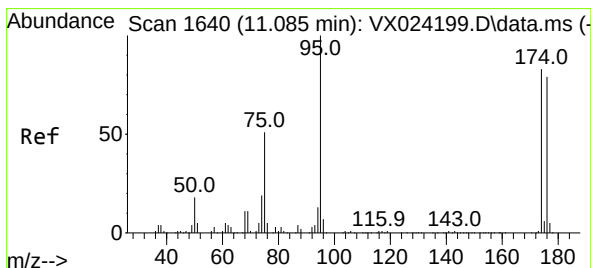
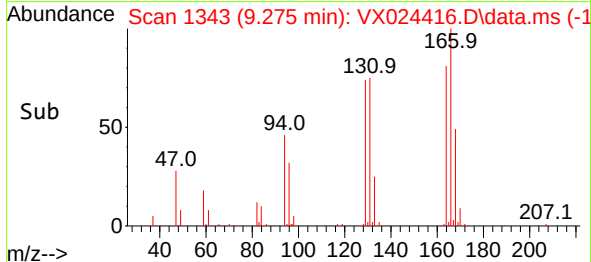
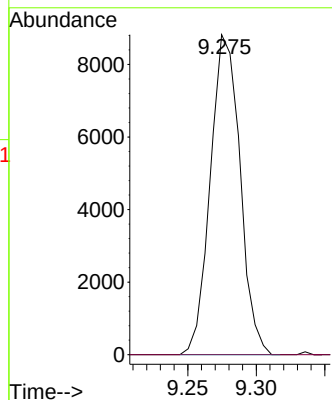
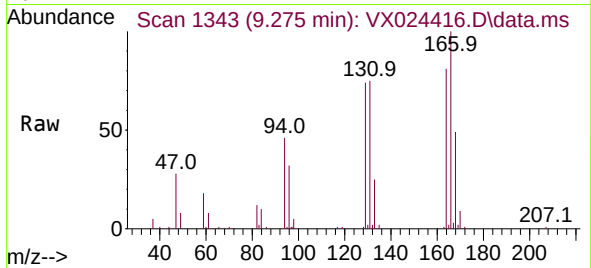




#60
Dibromochloromethane
Concen: 7.583 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

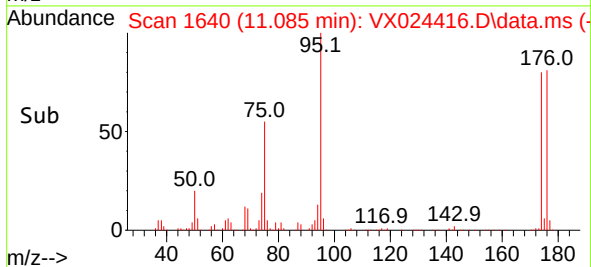
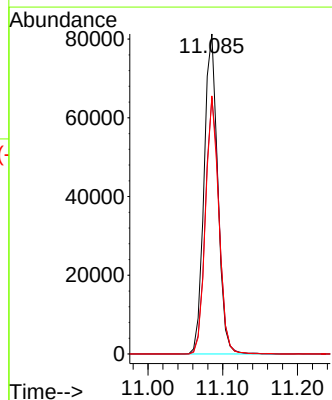
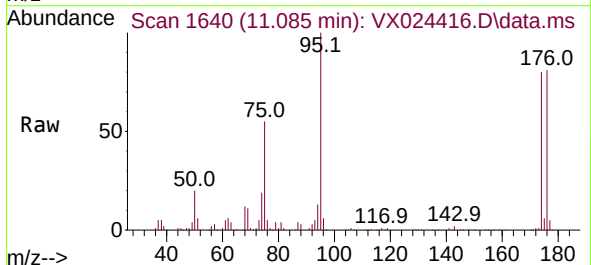
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

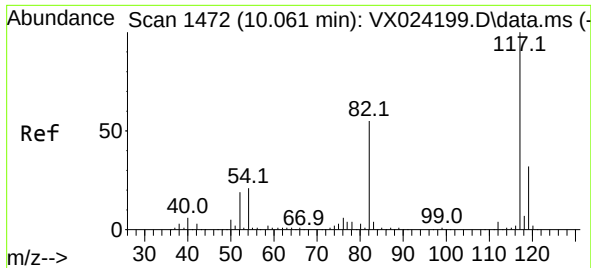
Tgt Ion:129 Resp: 13296
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 41.399 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 95 Resp: 103354
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 78.2 0.0 155.8

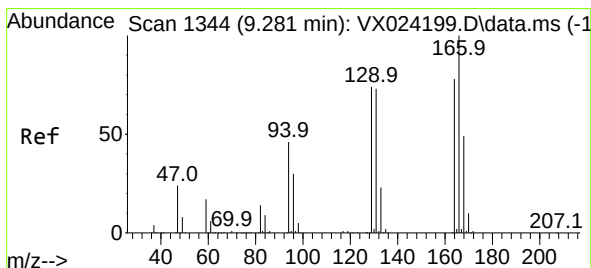
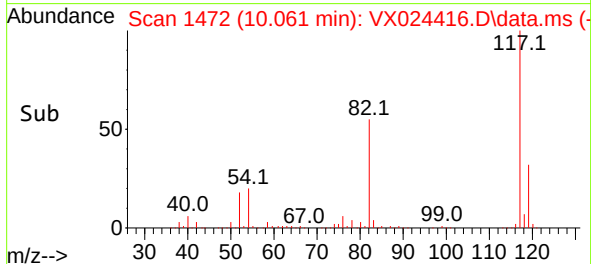
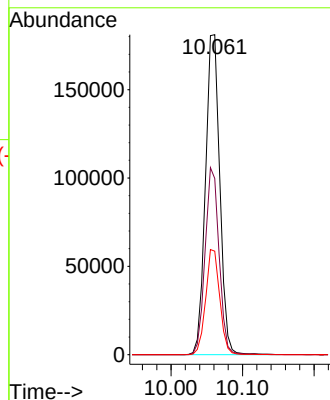
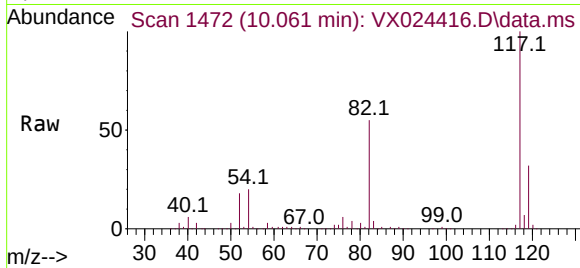




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

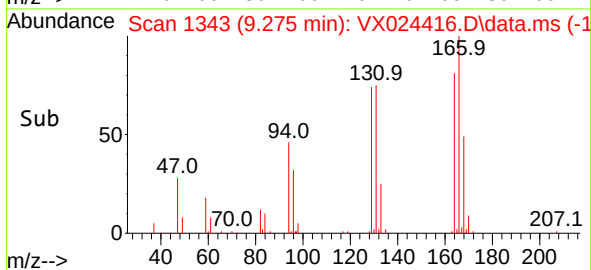
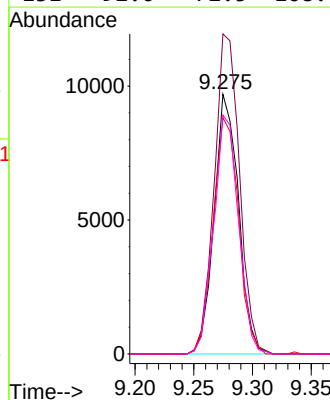
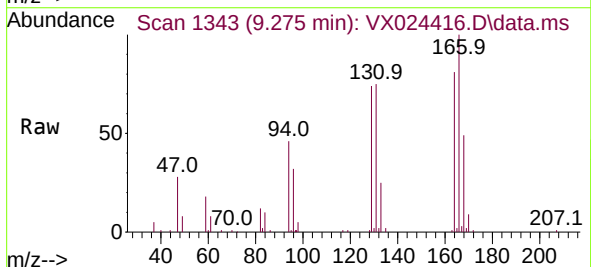
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

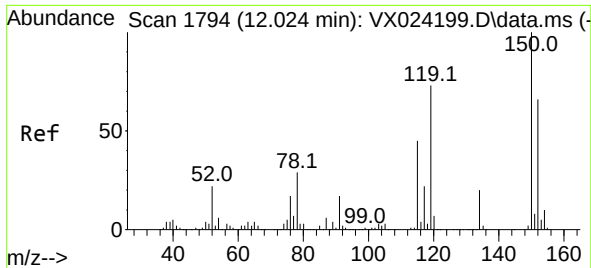
Tgt Ion:117 Resp: 252824
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 32.4 26.6 39.8



#64
Tetrachloroethene
Concen: 7.122 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion:164 Resp: 13949
Ion Ratio Lower Upper
164 100
166 123.2 103.4 155.2
129 91.0 70.8 106.2
131 92.0 72.5 108.7

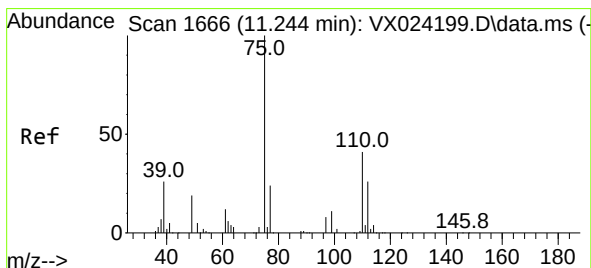
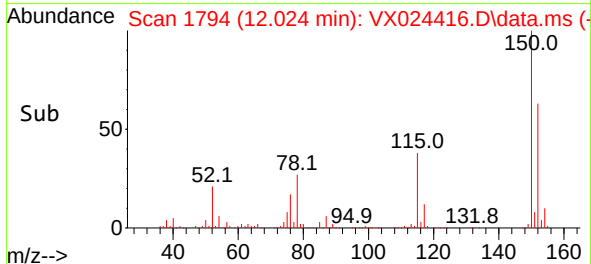
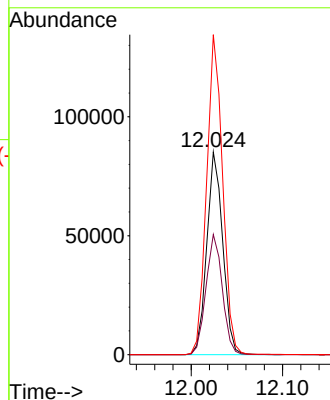
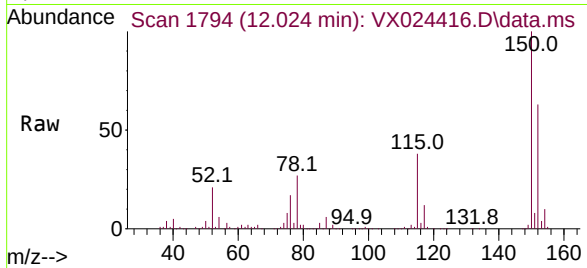




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024416.D
 Acq: 22 Sep 2021 04:12

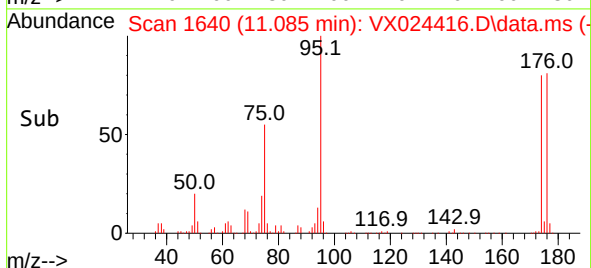
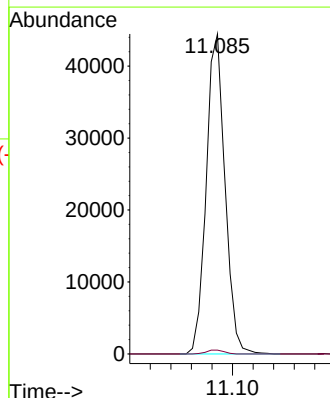
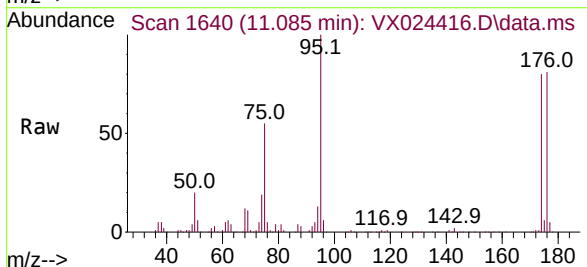
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20210920

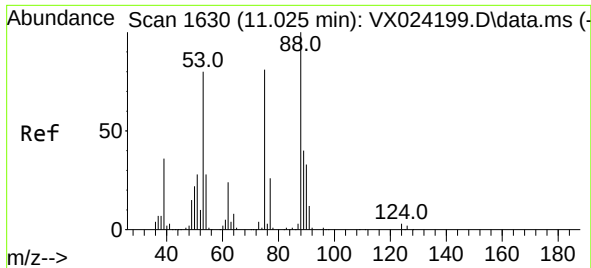
Tgt Ion:152 Resp: 103029
 Ion Ratio Lower Upper
 152 100
 115 61.0 41.1 123.3
 150 158.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.798 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024416.D
 Acq: 22 Sep 2021 04:12

Tgt Ion: 75 Resp: 56378
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

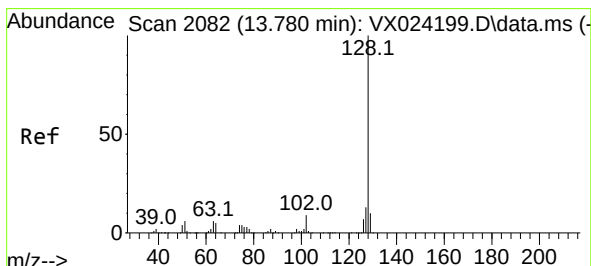
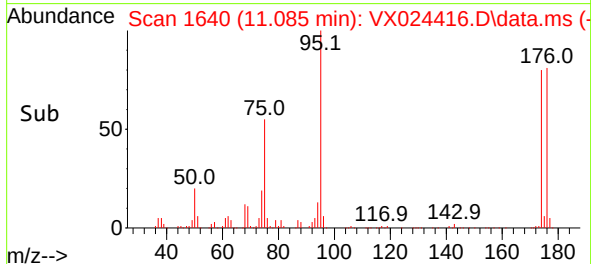
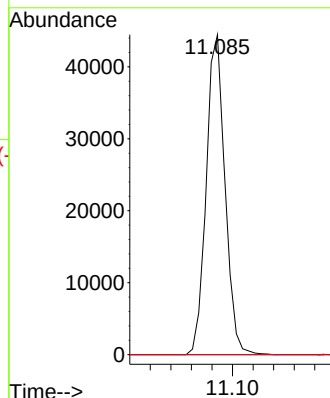
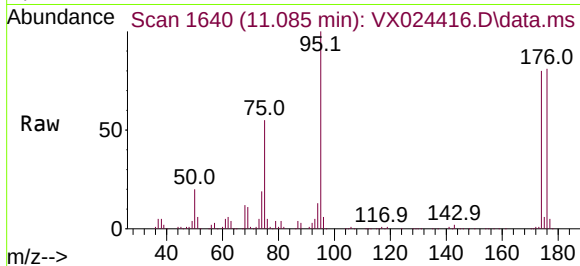




#81
trans-1,4-Dichloro-2-butene
Concen: 69.989 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20210920

Tgt Ion: 75 Resp: 56378
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.290 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX024416.D
Acq: 22 Sep 2021 04:12

Tgt Ion: 128 Resp: 19
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

