

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024409.D
 Acq On : 22 Sep 2021 01:27
 Operator : JC/MD
 Sample : M3833-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB04-20210920

Quant Time: Oct 01 04:12:19 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)

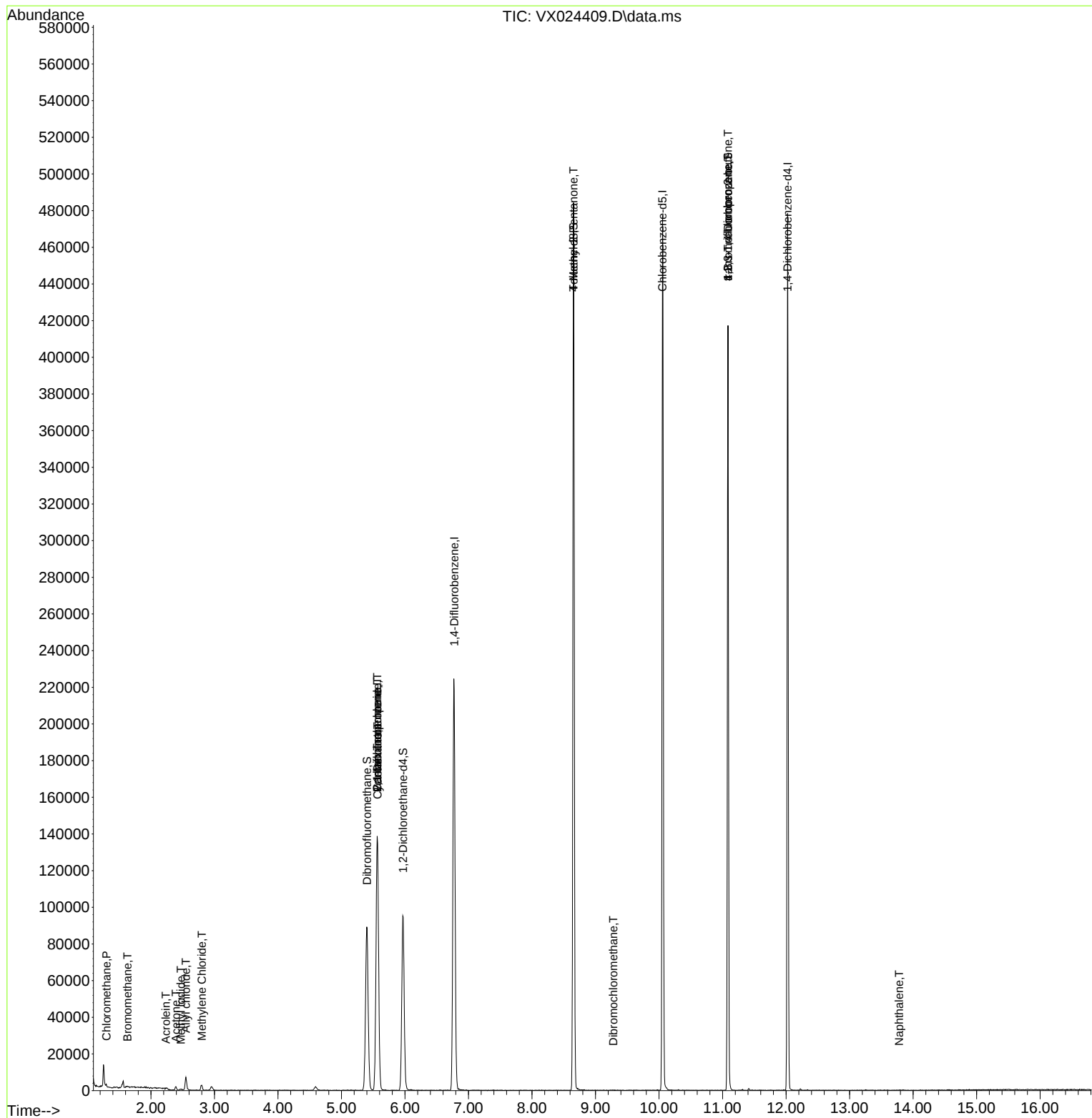
Internal Standards						
1) Pentafluorobenzene	5.562	168	128573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	220450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96285	52.517	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.040%		
35) Dibromofluoromethane	5.403	113	74680	50.513	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.020%		
50) Toluene-d8	8.653	98	272257	50.550	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.100%		
62) 4-Bromofluorobenzene	11.085	95	100312	47.859	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.720%		
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	568	0.440	ug/l	92
5) Bromomethane	1.630	94	494	0.646	ug/l	94
10) Methyl Iodide	2.471	142	682	0.389	ug/l #	85
11) Tert butyl alcohol	2.953	59	1396	Below Cal	#	73
13) Acrolein	2.233	56	50	0.414	ug/l #	73
14) Allyl chloride	2.550	41	703	0.326	ug/l #	21
16) Acetone	2.392	43	1992	2.548	ug/l	99
20) Methylene Chloride	2.800	84	1210	0.806	ug/l #	94
31) Cyclohexane	5.568	56	3206	1.495	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	10043	4.955	ug/l #	51
38) Carbon Tetrachloride	5.562	117	12591	5.519	ug/l #	19
51) 4-Methyl-2-Pentanone	8.653	43	1290	0.538	ug/l #	1
60) Dibromochloromethane	9.281	129	19	1.736	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	55348	25.685	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55348	75.539	ug/l #	12
95) Naphthalene	13.780	128	20	1.290	ug/l #	69

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

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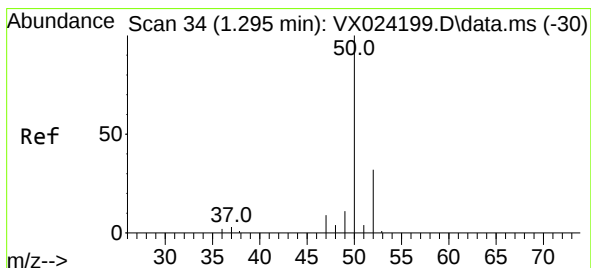
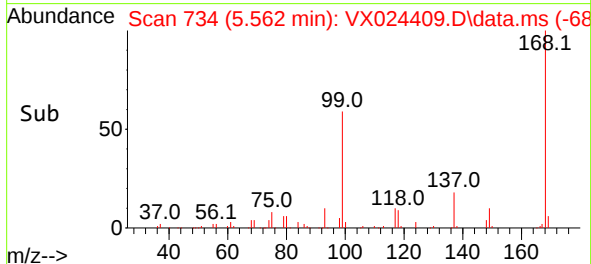
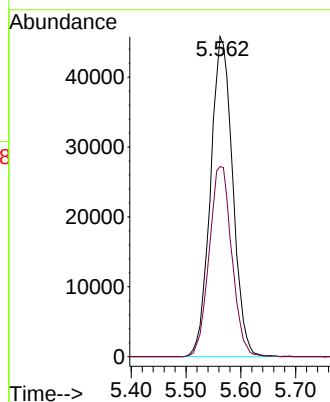
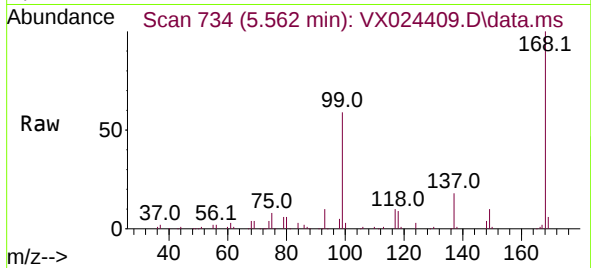




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

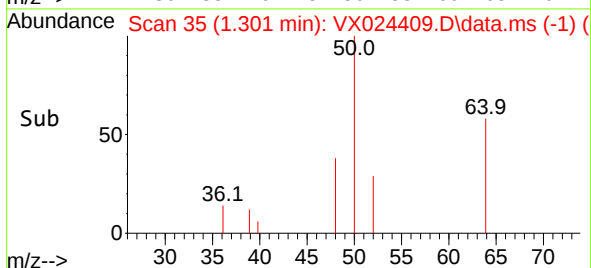
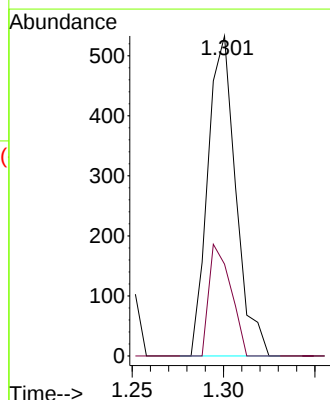
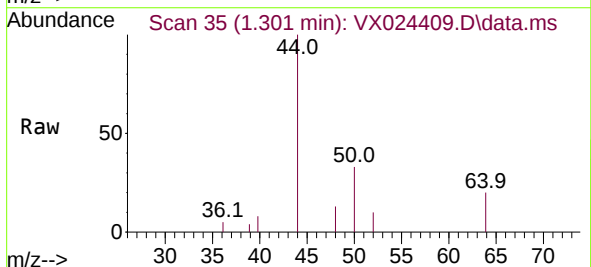
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

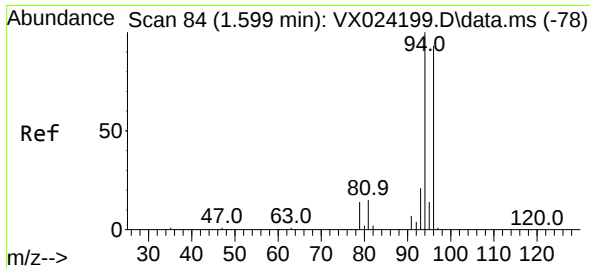
Tgt Ion:168 Resp: 128573
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.440 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 28.7 26.4 39.6

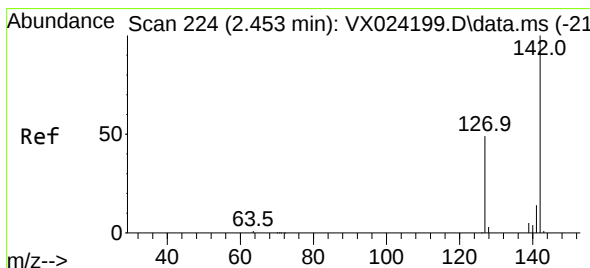
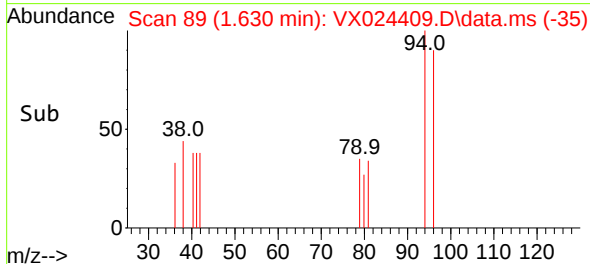
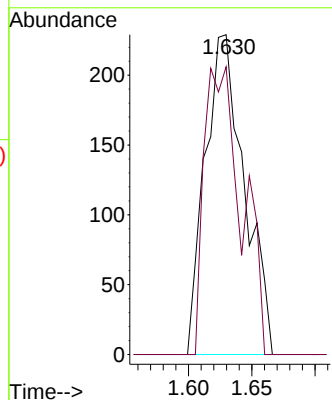
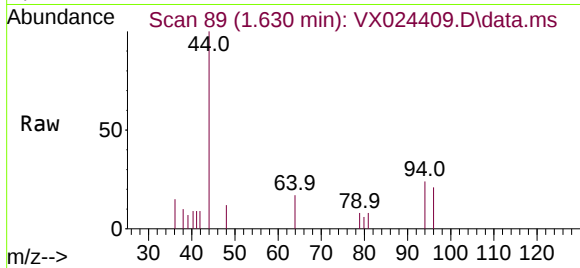




#5
Bromomethane
Concen: 0.646 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

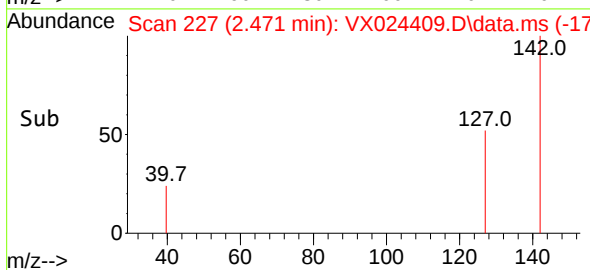
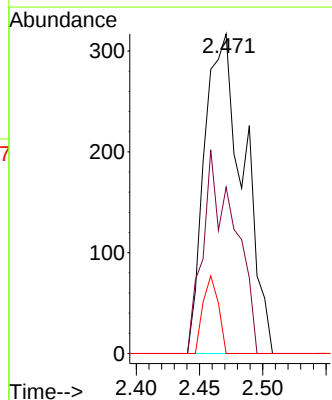
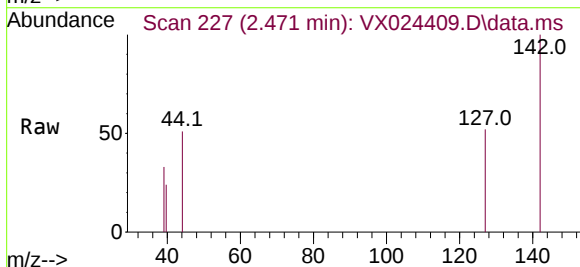
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 90.0 76.4 114.6



#10
Methyl Iodide
Concen: 0.389 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 142 Resp: 682
Ion Ratio Lower Upper
142 100
127 51.9 33.3 49.9#
141 9.5 11.4 17.0#



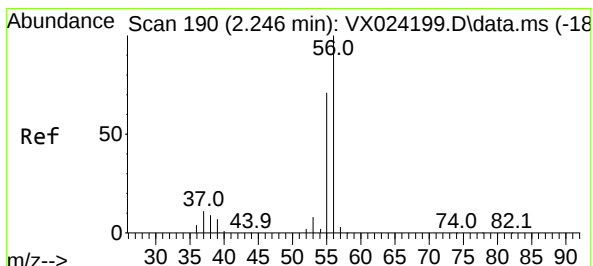
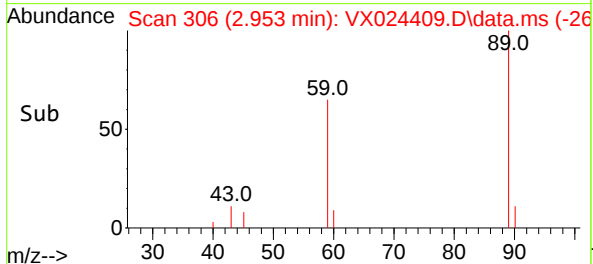
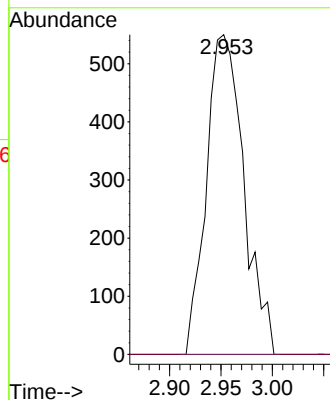
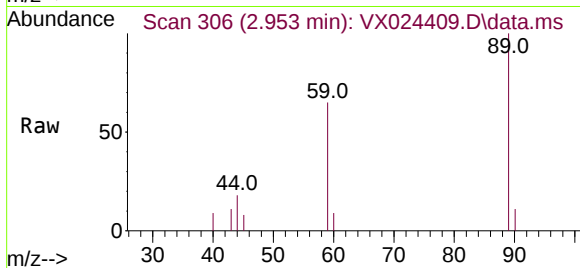


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

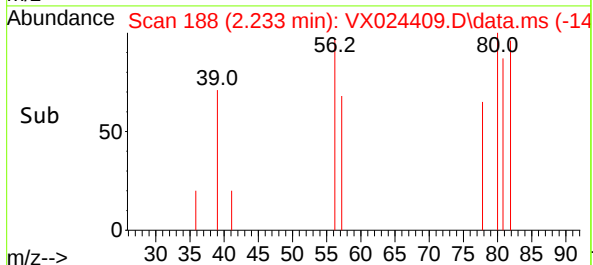
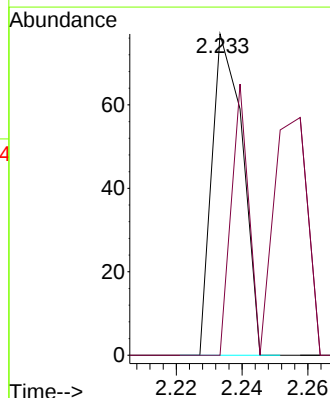
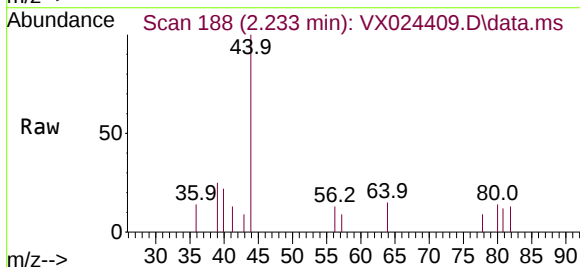
Tgt Ion: 59 Resp: 1396
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

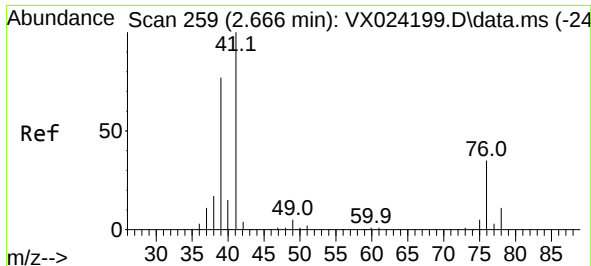


#13

Acrolein
Concen: 0.414 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.013 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 48.0 56.4 84.6#

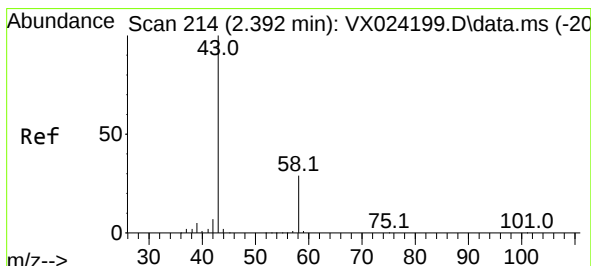
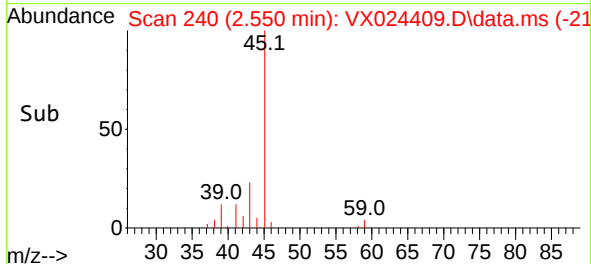
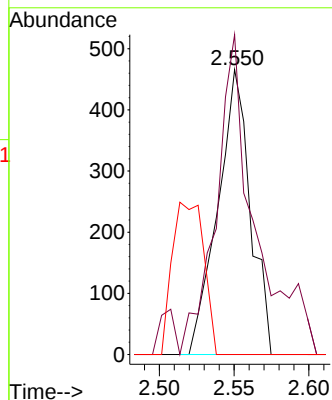
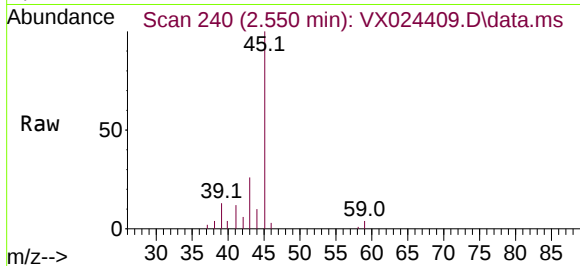




#14
 Allyl chloride
 Concen: 0.326 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX024409.D
 Acq: 22 Sep 2021 01:27

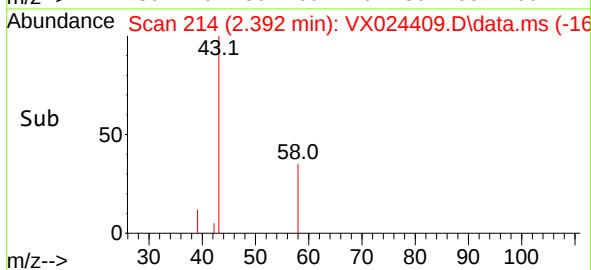
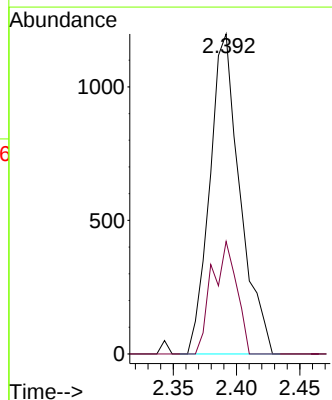
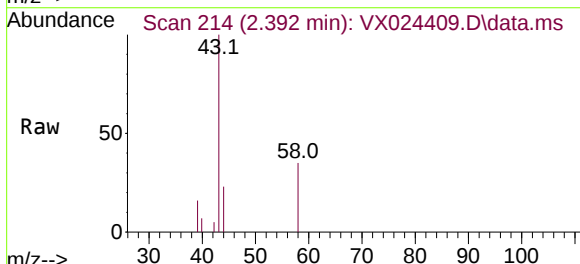
Instrument :
 MSVOA_X
 ClientSampleId :
 TB04-20210920

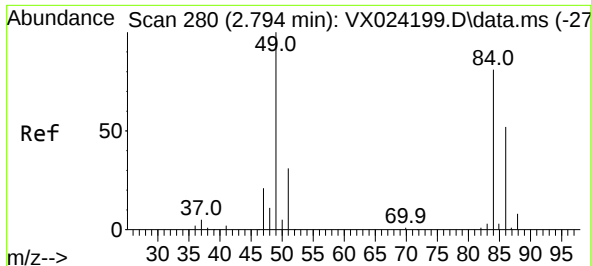
Tgt Ion: 41 Resp: 703
 Ion Ratio Lower Upper
 41 100
 39 133.6 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 2.548 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX024409.D
 Acq: 22 Sep 2021 01:27

Tgt Ion: 43 Resp: 1992
 Ion Ratio Lower Upper
 43 100
 58 35.1 27.8 41.8





#20

Methylene Chloride

Concen: 0.806 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024409.D

Acq: 22 Sep 2021 01:27

Tgt Ion: 84 Resp: 1210

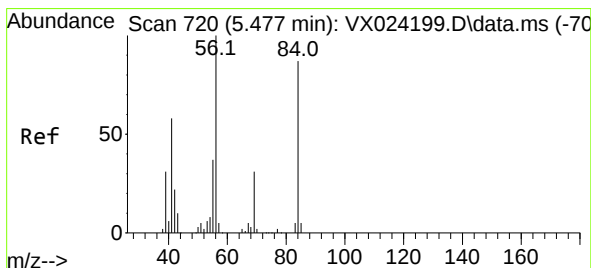
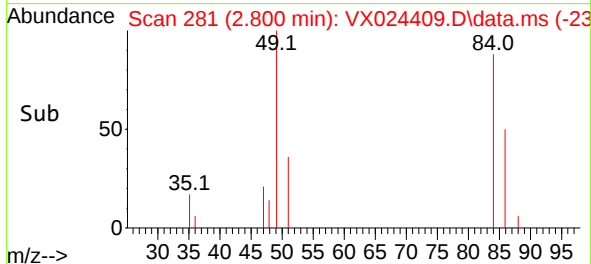
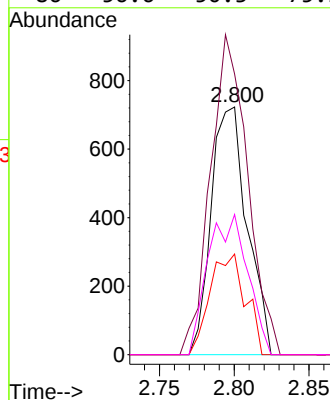
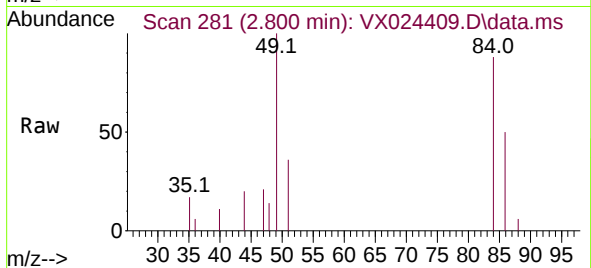
Ion Ratio Lower Upper

84 100

49 113.3 88.6 132.8

51 40.7 27.0 40.6#

86 56.6 50.3 75.5



#31

Cyclohexane

Concen: 1.495 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX024409.D

Acq: 22 Sep 2021 01:27

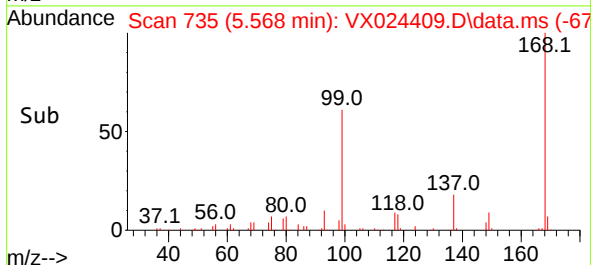
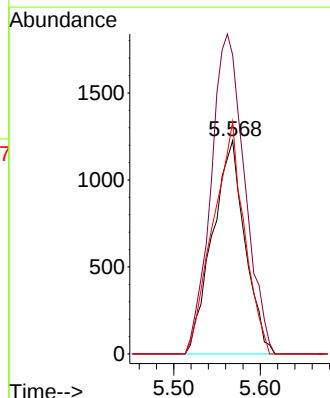
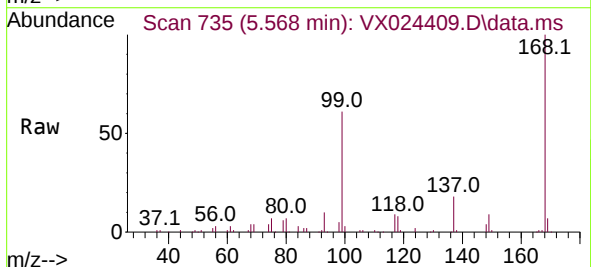
Tgt Ion: 56 Resp: 3206

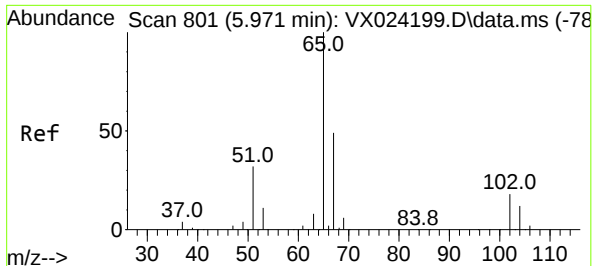
Ion Ratio Lower Upper

56 100

69 140.1 25.3 37.9#

84 108.9 71.4 107.0#

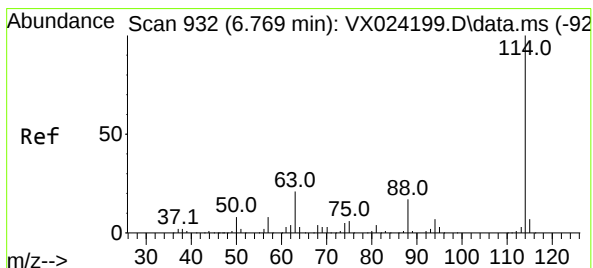
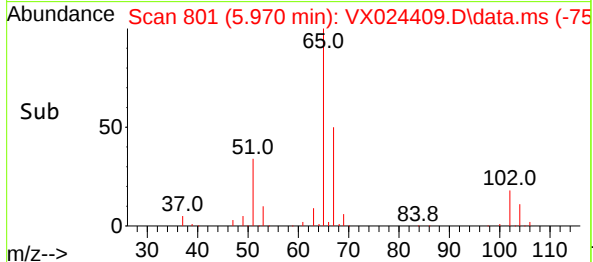
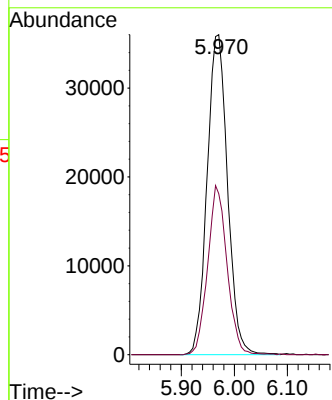
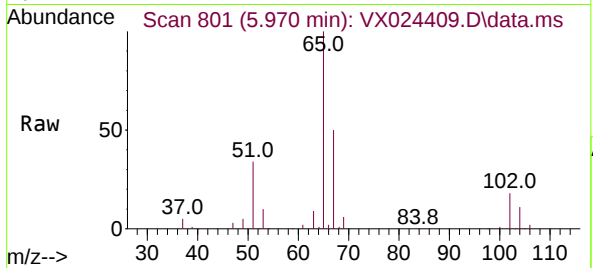




#33
1,2-Dichloroethane-d4
Concen: 52.517 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

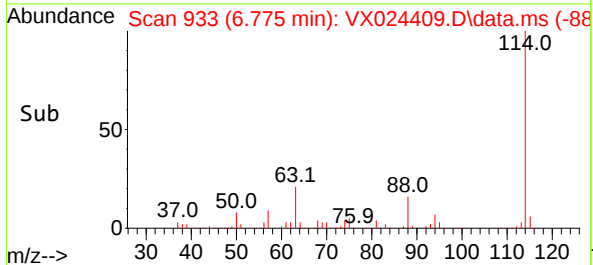
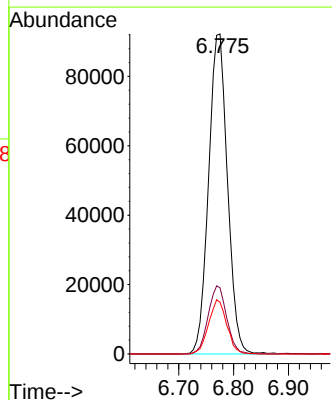
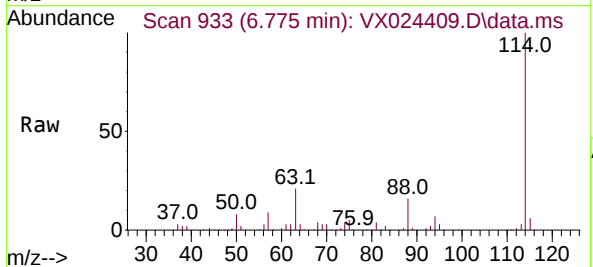
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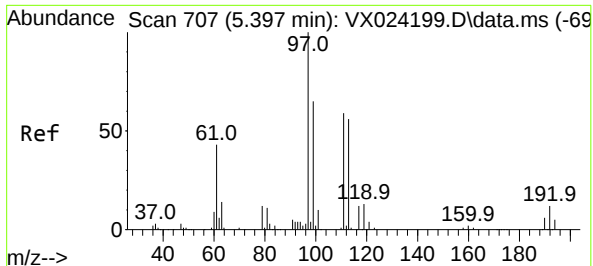
Tgt Ion: 65 Resp: 96285
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 114 Resp: 220450
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.1 0.0 32.8

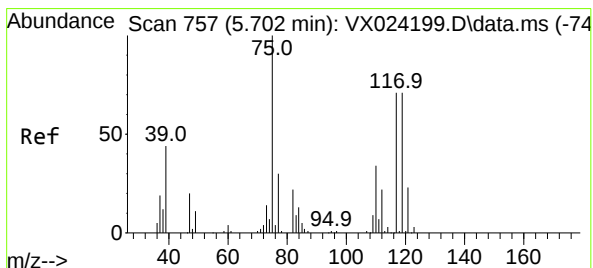
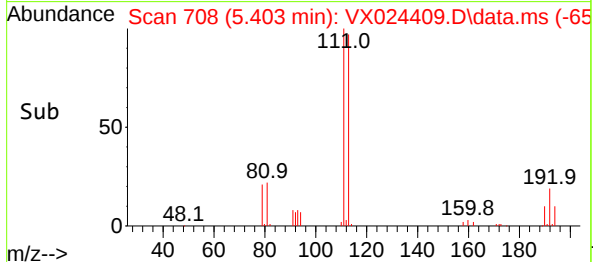
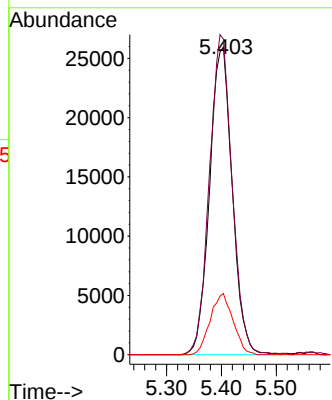
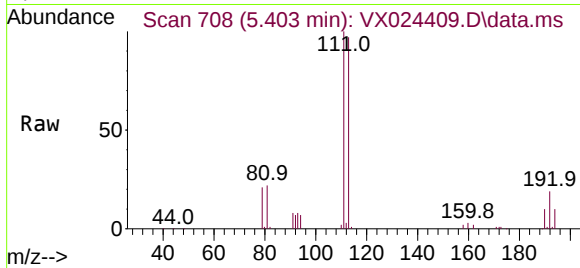




#35
Dibromofluoromethane
Concen: 50.513 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

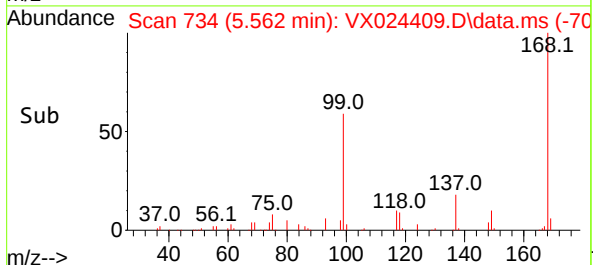
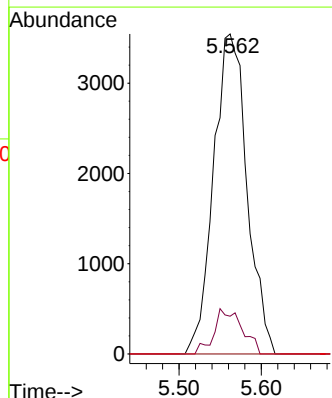
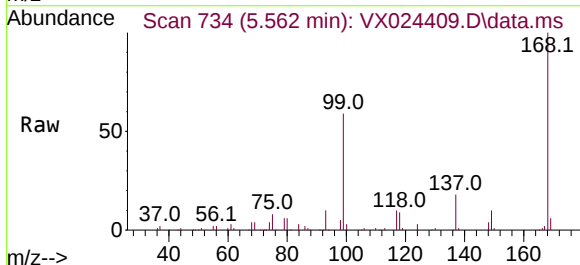
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

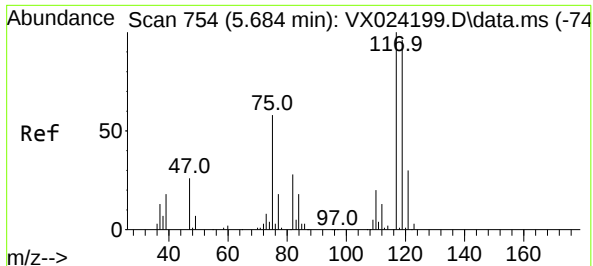
Tgt Ion:113 Resp: 74680
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 20.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

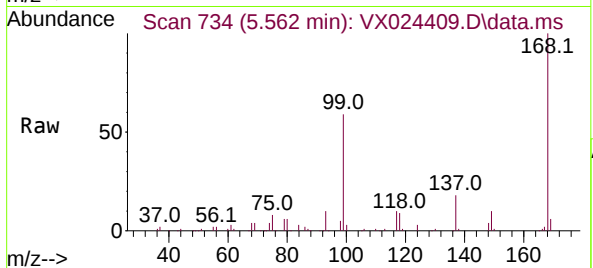
Tgt Ion: 75 Resp: 10043
Ion Ratio Lower Upper
75 100
110 11.8 18.1 54.4#
77 0.0 25.3 37.9#



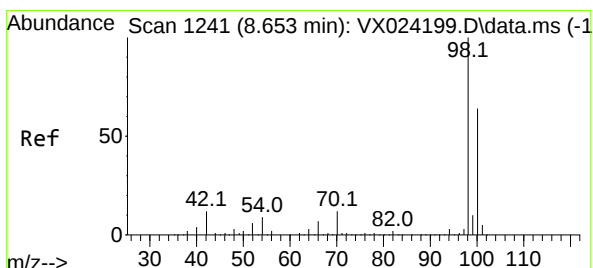
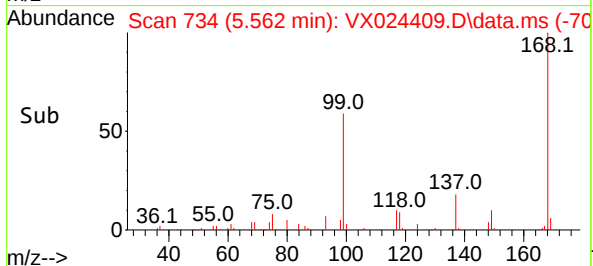
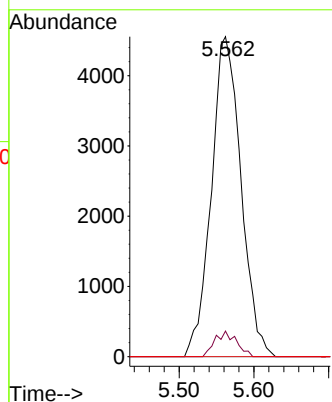


#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

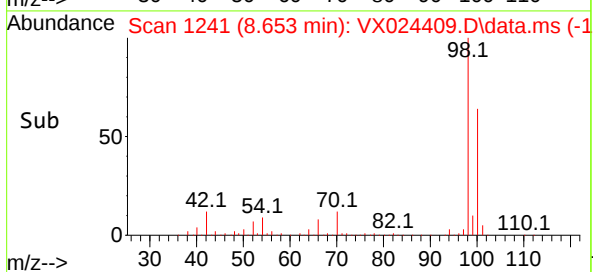
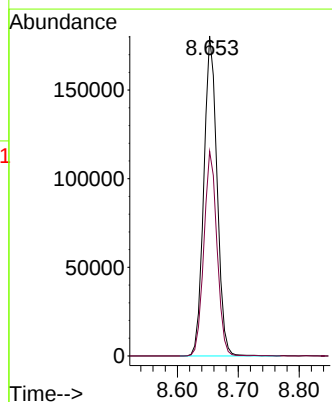
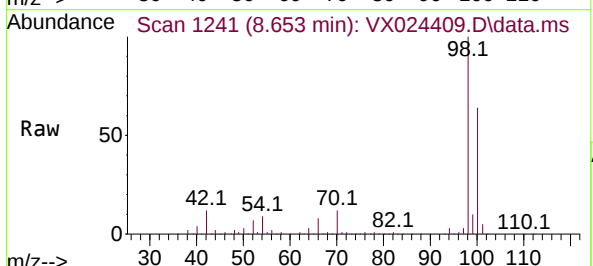


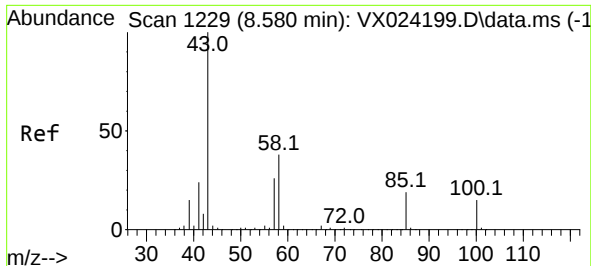
Tgt Ion:117 Resp: 12591
Ion Ratio Lower Upper
117 100
119 8.0 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.550 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 98 Resp: 272257
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

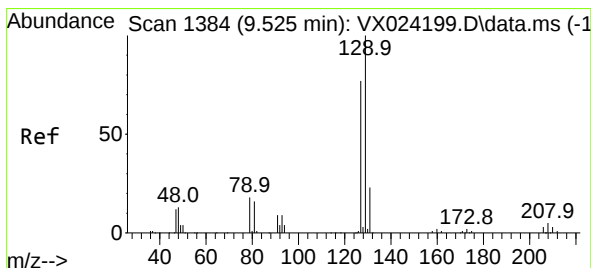
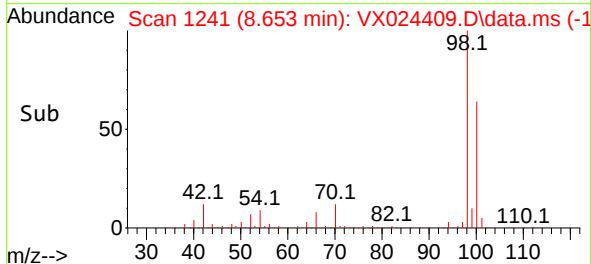
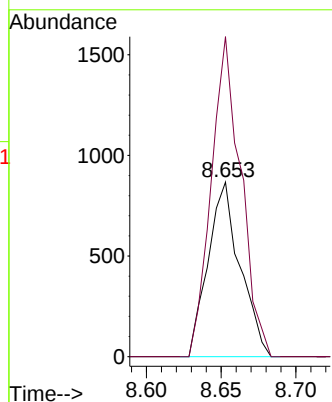
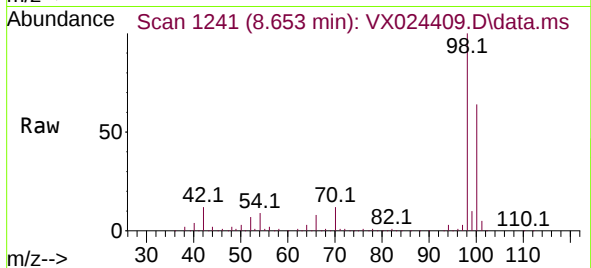




#51
4-Methyl-2-Pentanone
Concen: 0.538 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

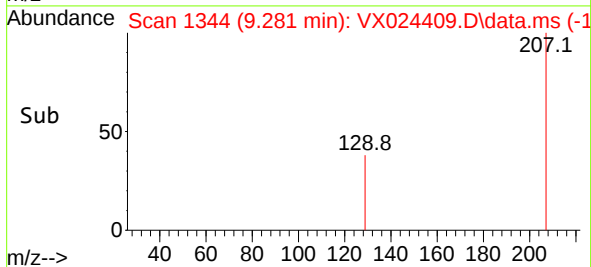
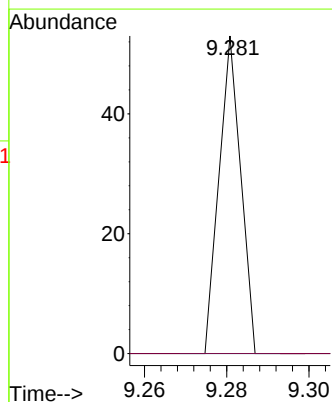
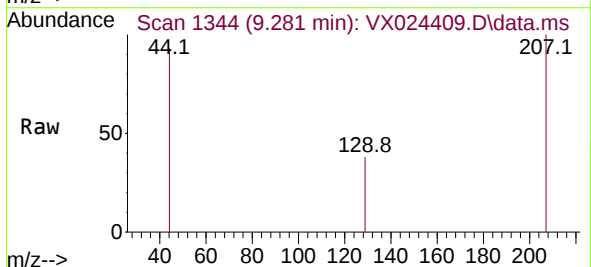
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

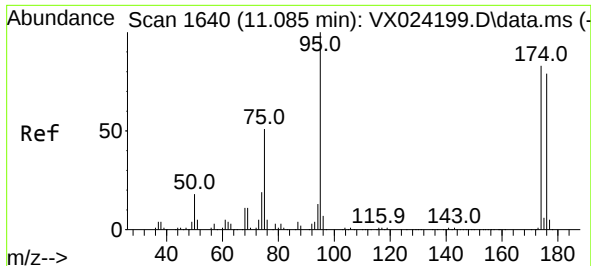
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 169.9 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.736 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

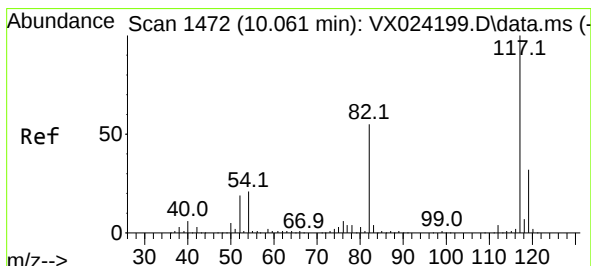
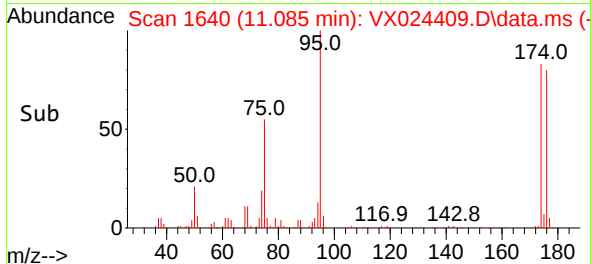
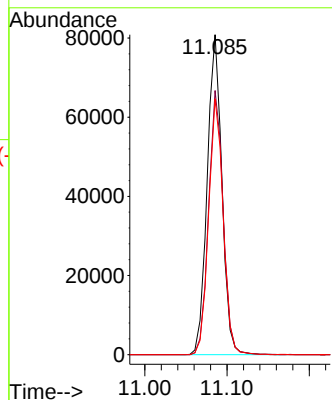
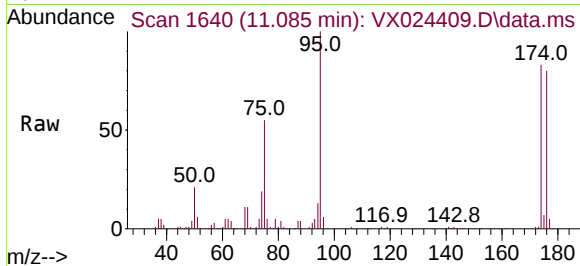




#62
4-Bromofluorobenzene
Concen: 47.859 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

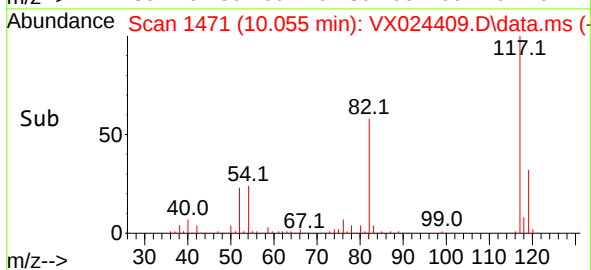
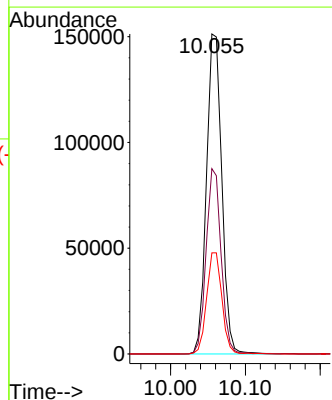
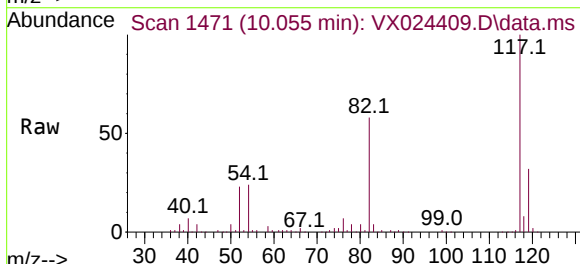
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

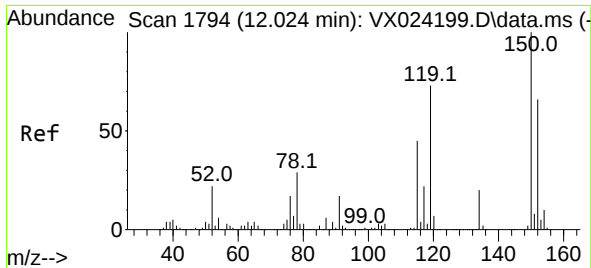
Tgt Ion: 95 Resp: 100312
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 79.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 117 Resp: 215078
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 31.6 26.6 39.8

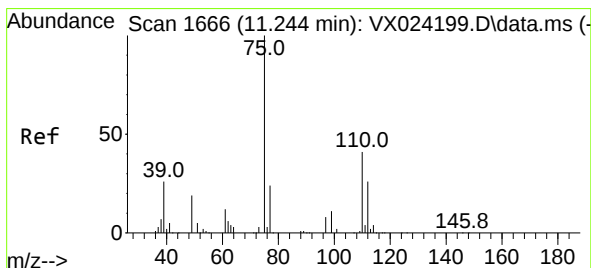
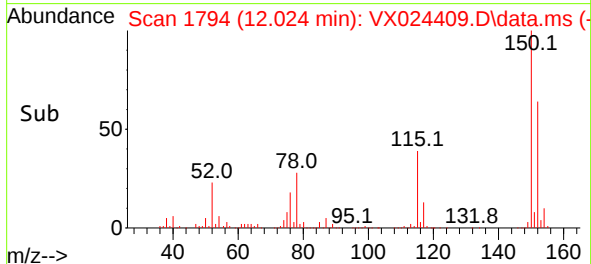
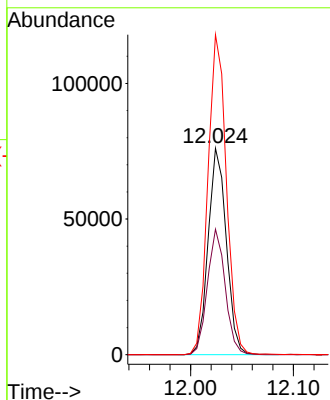
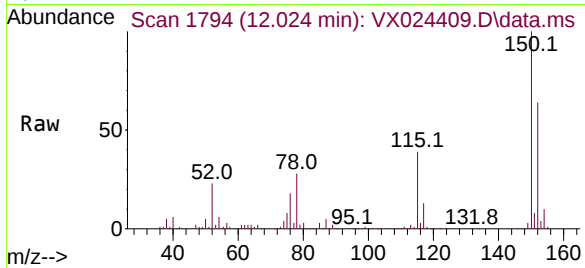




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

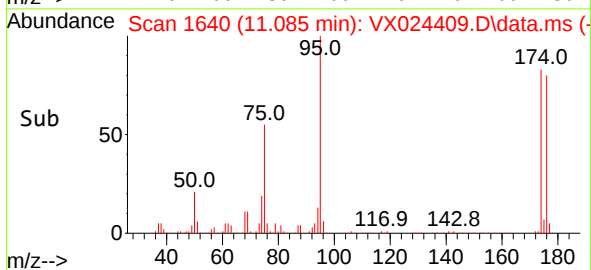
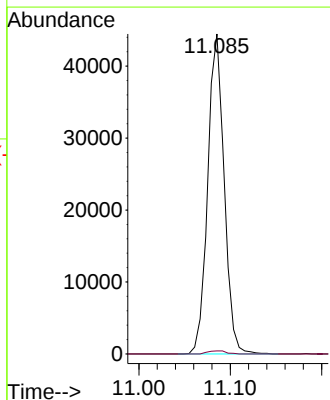
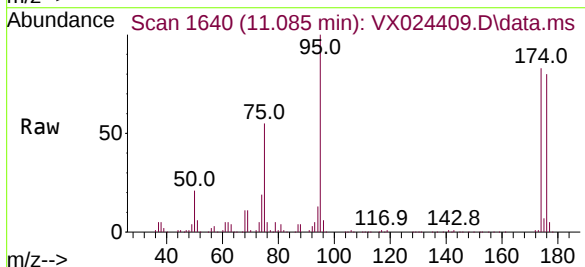
Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

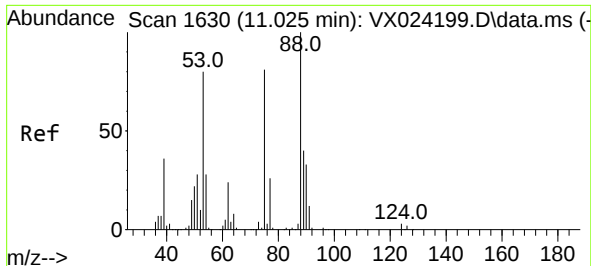
Tgt Ion:152 Resp: 93715
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 156.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.685 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion: 75 Resp: 55348
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

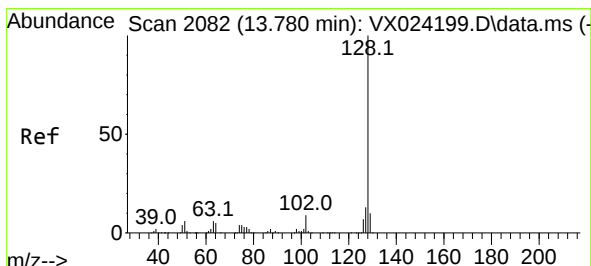
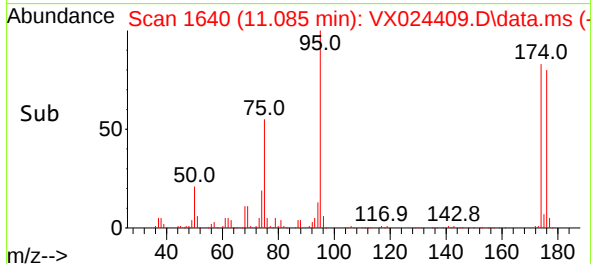
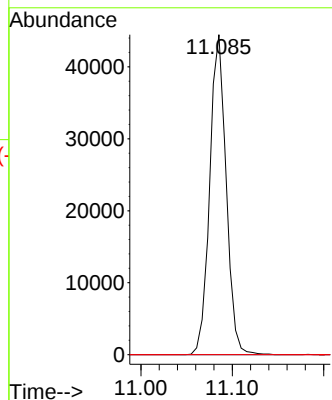
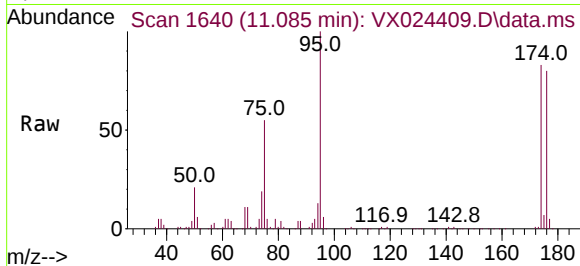




#81
trans-1,4-Dichloro-2-butene
Concen: 75.539 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Instrument :
MSVOA_X
ClientSampleId :
TB04-20210920

Tgt Ion: 75 Resp: 55348
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: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024409.D
Acq: 22 Sep 2021 01:27

Tgt Ion:128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

