

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032851.D
 Acq On : 16 Nov 2022 07:20
 Operator : JC/MD
 Sample : N5640-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 08:08:07 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)

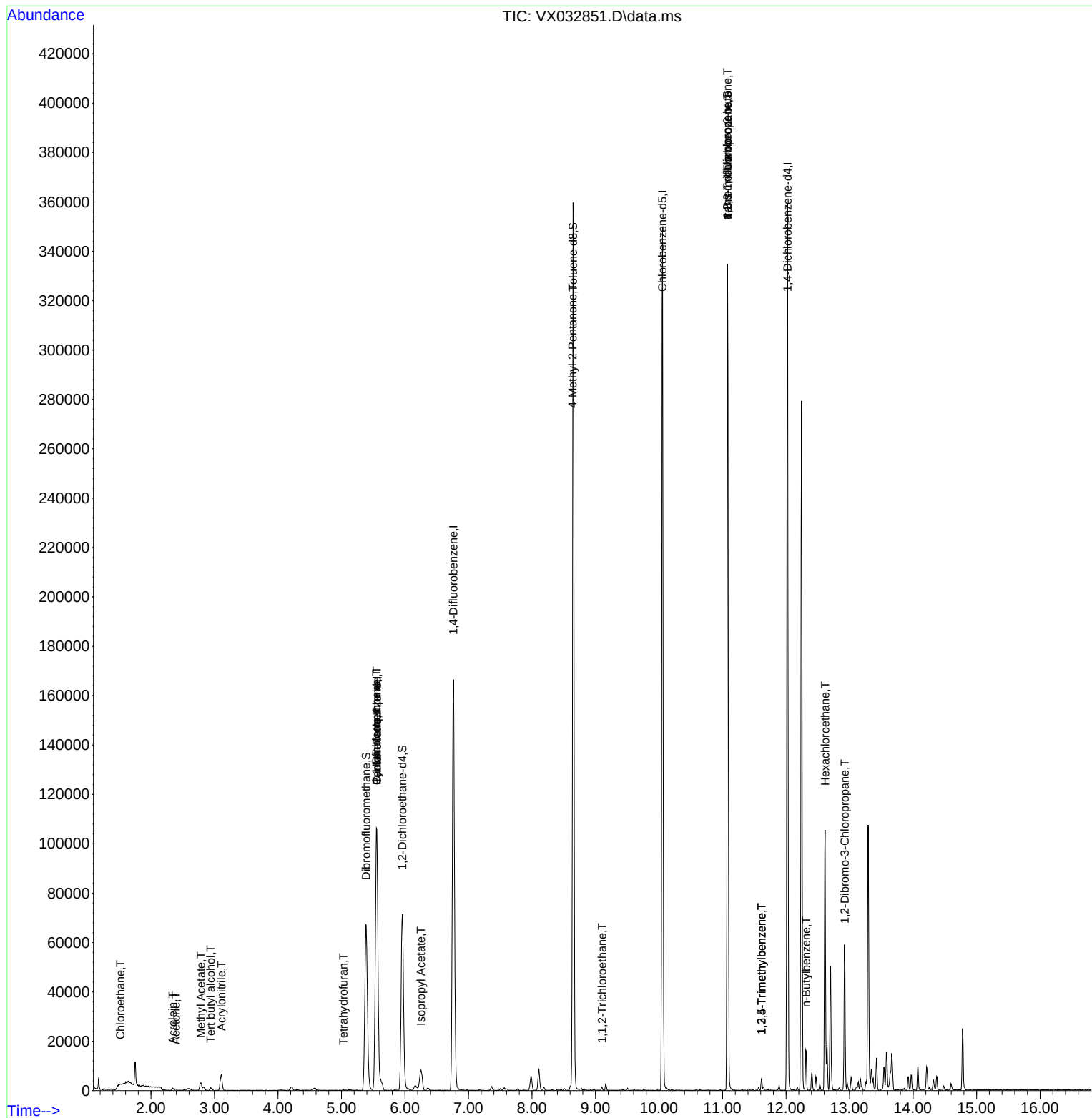
Internal Standards						
1) Pentafluorobenzene	5.556	168	101197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71821	51.078	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.160%			
35) Dibromofluoromethane	5.385	113	57077	46.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.520%			
50) Toluene-d8	8.647	98	211489	49.828	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	81878	49.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.780%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.520	64	5642	7.742	ug/l #	42
11) Tert butyl alcohol	2.940	59	761	3.718	ug/l #	72
13) Acrolein	2.343	56	78	0.382	ug/l #	14
15) Acrylonitrile	3.111	53	131	0.236	ug/l #	24
16) Acetone	2.392	43	669	1.309	ug/l	94
18) Methyl Acetate	2.788	43	2092	1.259	ug/l #	51
29) Tetrahydrofuran	5.031	42	266	0.527	ug/l #	37
31) Cyclohexane	5.556	56	2266	1.329	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	7642	4.496	ug/l #	49
38) Carbon Tetrachloride	5.556	117	10597	5.621	ug/l #	15
43) Isopropyl Acetate	6.251	43	1904	0.701	ug/l #	61
51) 4-Methyl-2-Pentanone	8.641	43	1066	0.623	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	469	0.355	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	44796	26.957	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.616	105	2532	0.501	ug/l	68
81) trans-1,4-Dichloro-2-b...	11.079	75	44796	85.779	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.616	105	2532	0.503	ug/l	72
89) n-Butylbenzene	12.317	91	1461	0.326	ug/l #	1
90) Hexachloroethane	12.615	117	4728	5.614	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.926	75	181	0.435	ug/l #	1

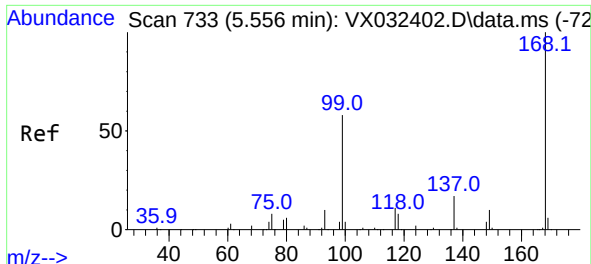
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Nov 16 08:08:07 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

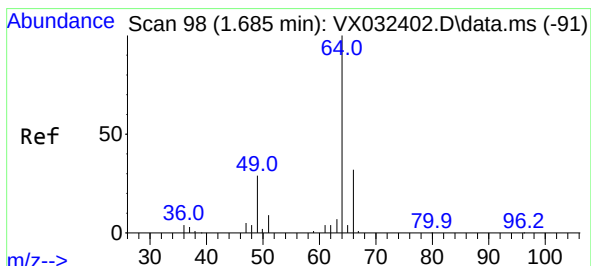
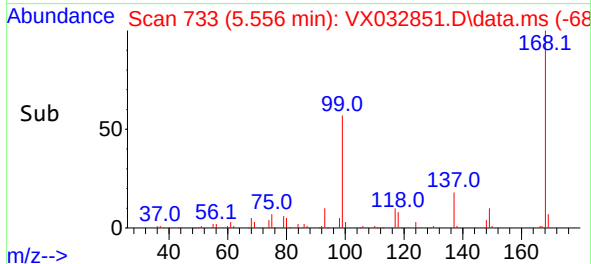
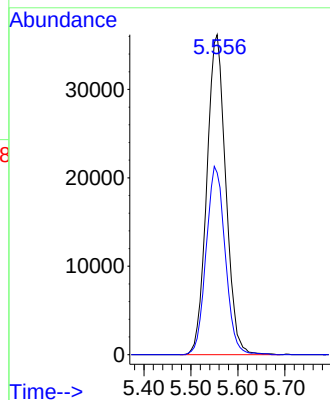
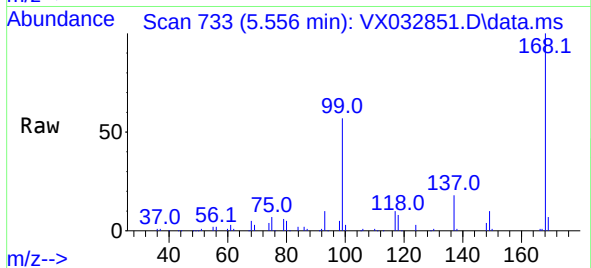




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

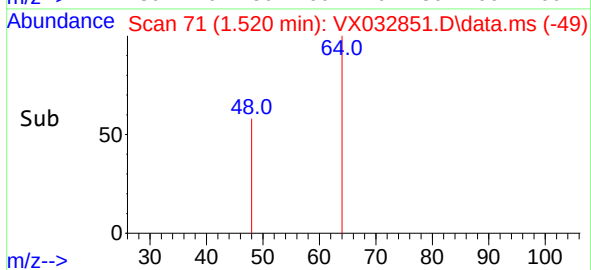
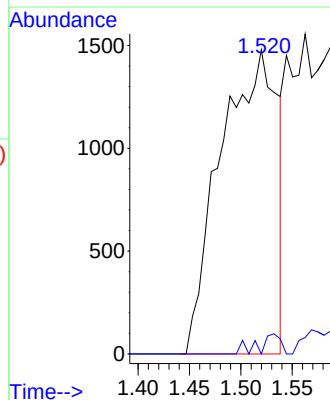
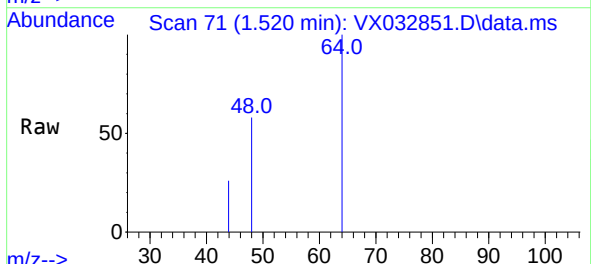
Instrument :
MSVOA_X
ClientSampleId :

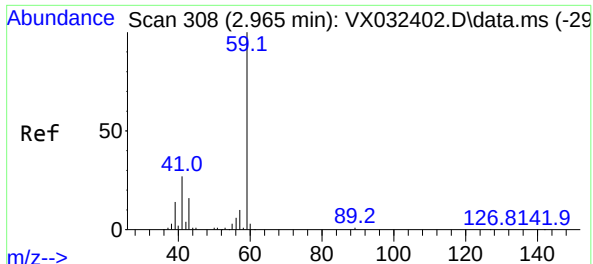
Tgt Ion:168 Resp: 101197
Ion Ratio Lower Upper
168 100
99 56.8 46.1 69.1



#6
Chloroethane
Concen: 7.742 ug/l
RT: 1.520 min Scan# 71
Delta R.T. -0.165 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 64 Resp: 5642
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 3.718 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.024 min

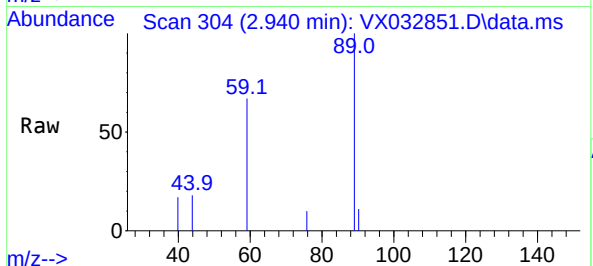
Lab File: VX032851.D

Acq: 16 Nov 2022 07:20

Instrument :

MSVOA_X

ClientSampleId :

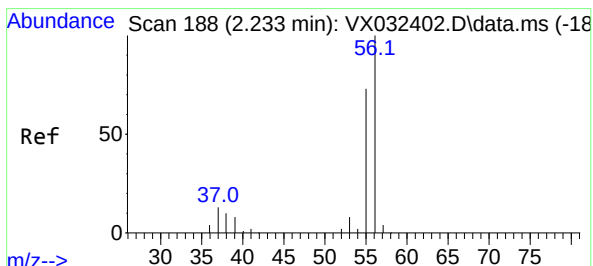
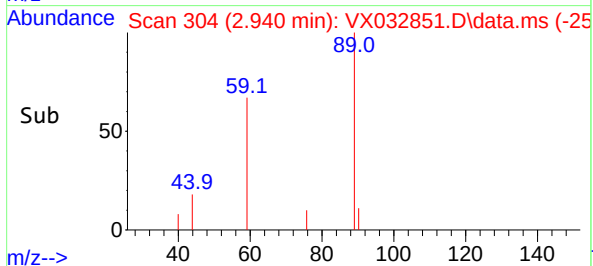
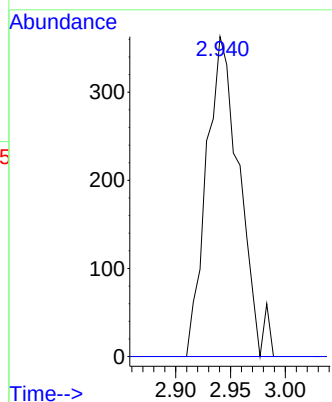


Tgt Ion: 59 Resp: 761

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.382 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.110 min

Lab File: VX032851.D

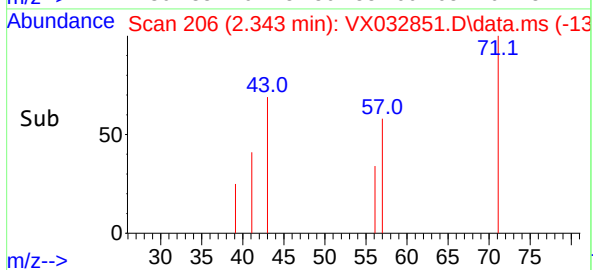
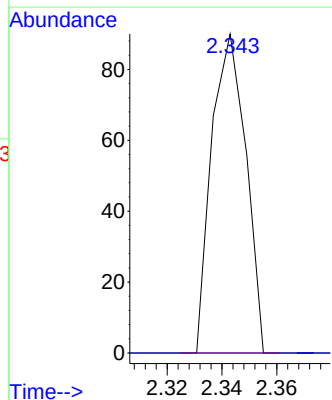
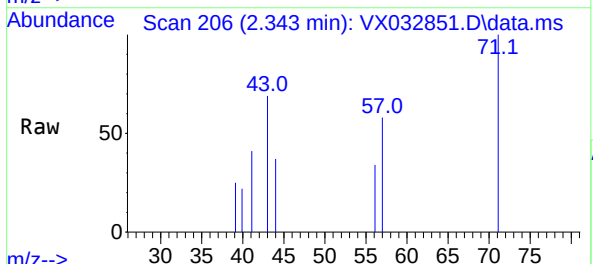
Acq: 16 Nov 2022 07:20

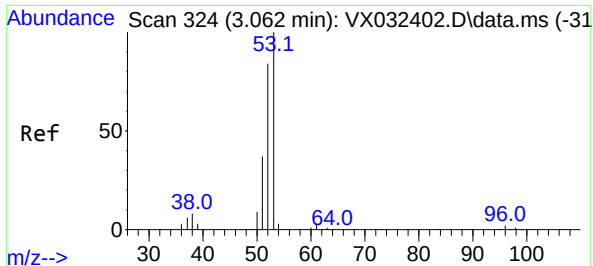
Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#

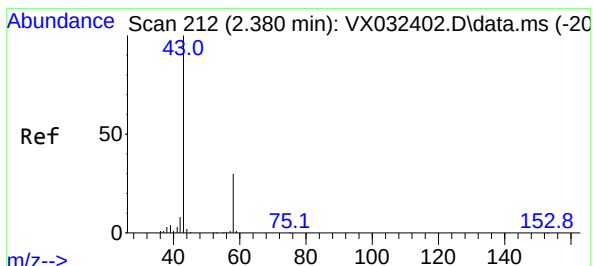
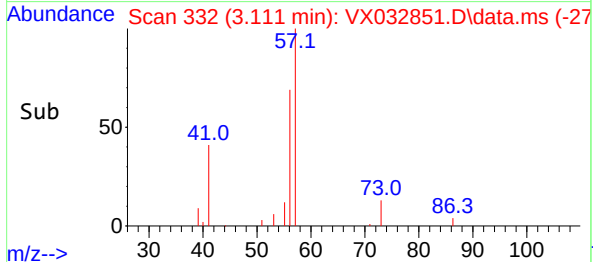
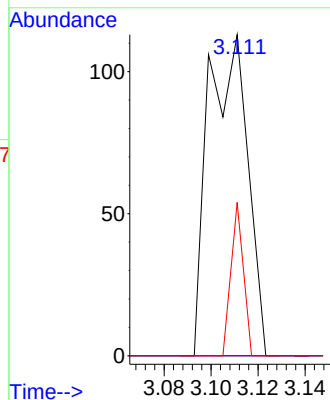
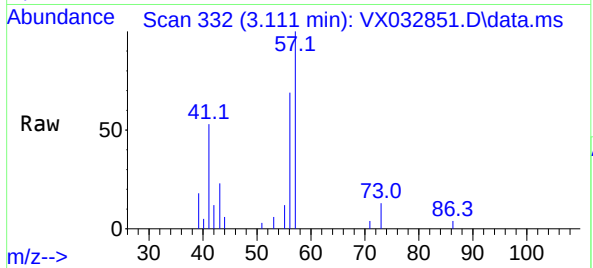




#15
Acrylonitrile
Concen: 0.236 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.049 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

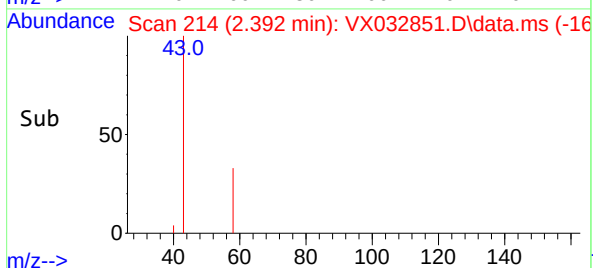
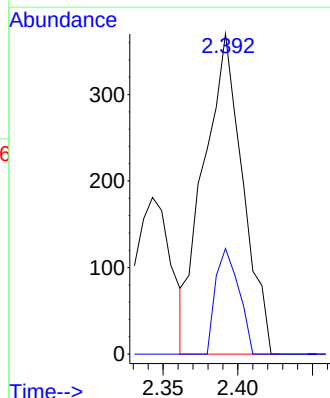
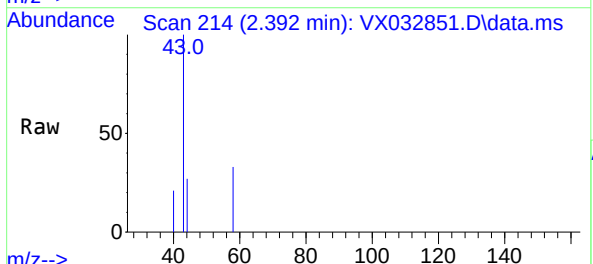
Instrument :
MSVOA_X
ClientSampleId :

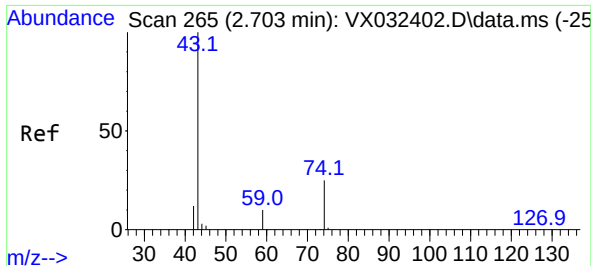
Tgt Ion: 53 Resp: 131
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 15.3 30.3 45.5#



#16
Acetone
Concen: 1.309 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.8





#18

Methyl Acetate

Concen: 1.259 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.085 min

Lab File: VX032851.D

Acq: 16 Nov 2022 07:20

Instrument :

MSVOA_X

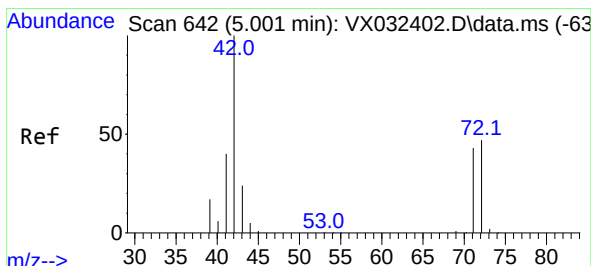
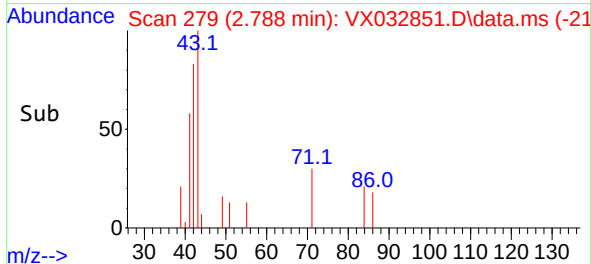
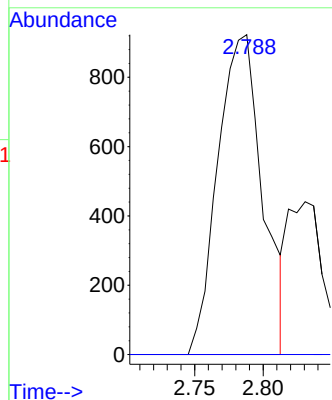
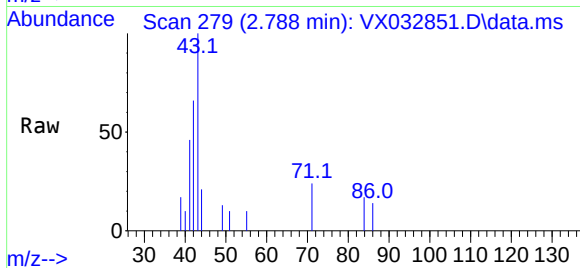
ClientSampleId :

Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#29

Tetrahydrofuran

Concen: 0.527 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX032851.D

Acq: 16 Nov 2022 07:20

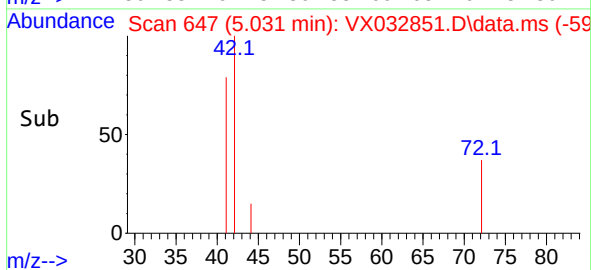
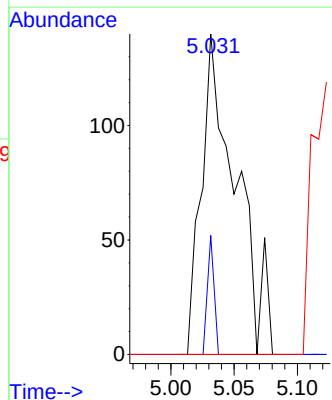
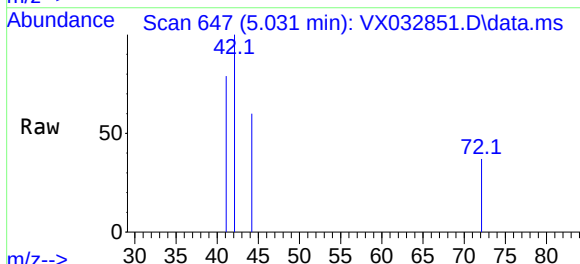
Tgt Ion: 42 Resp: 266

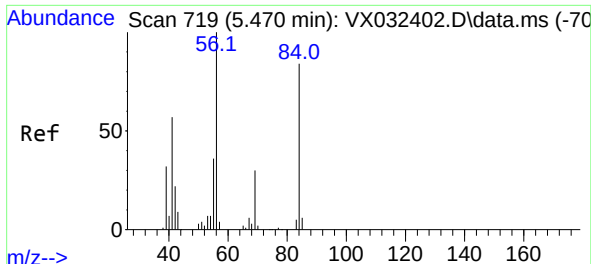
Ion Ratio Lower Upper

42 100

72 7.1 37.6 56.4#

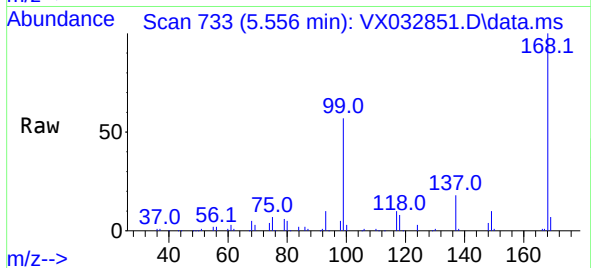
71 0.0 34.7 52.1#



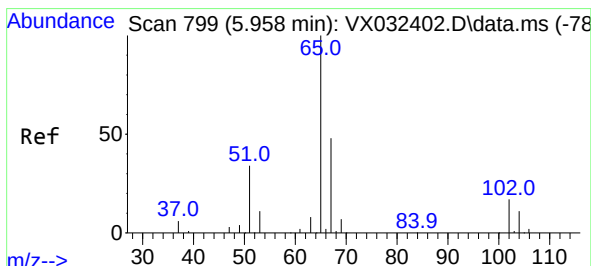
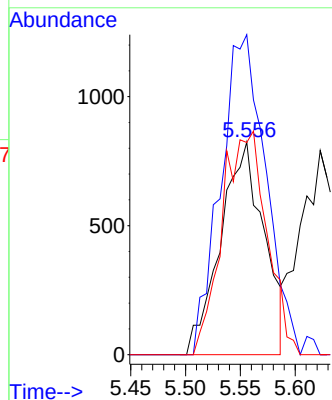
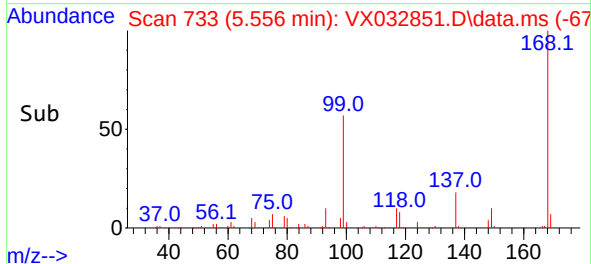


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Instrument :
MSVOA_X
ClientSampleId :

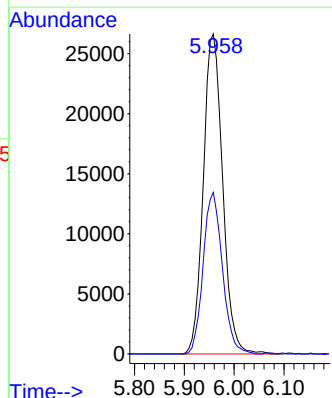
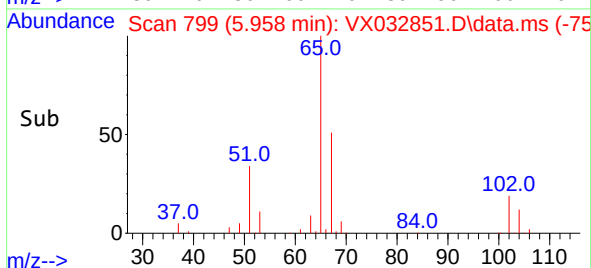
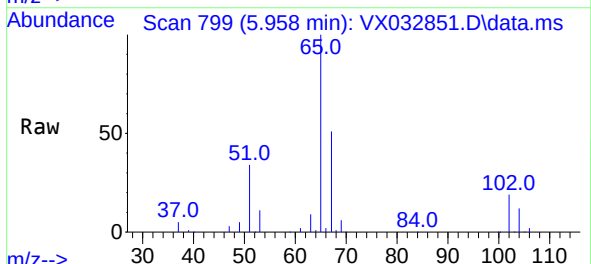


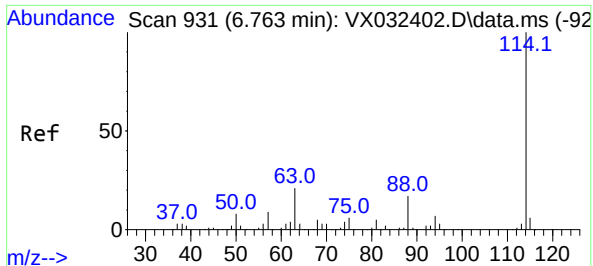
Tgt Ion: 56 Resp: 2266
Ion Ratio Lower Upper
56 100
69 150.5 24.1 36.1#
84 99.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 51.078 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

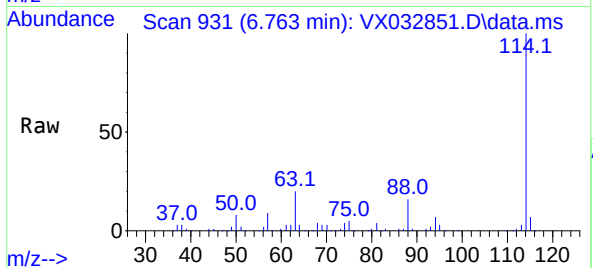
Tgt Ion: 65 Resp: 71821
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8



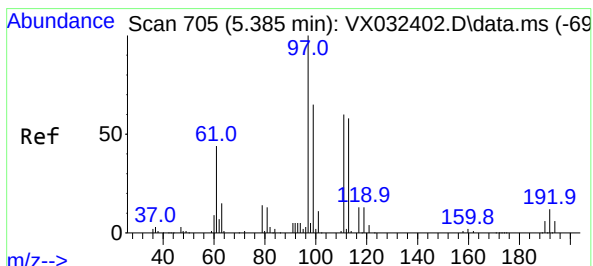
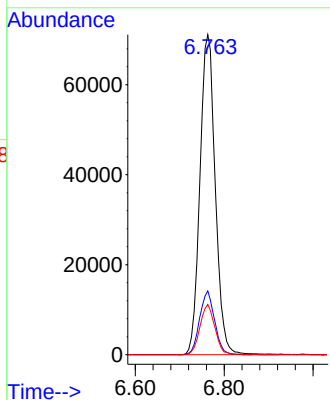
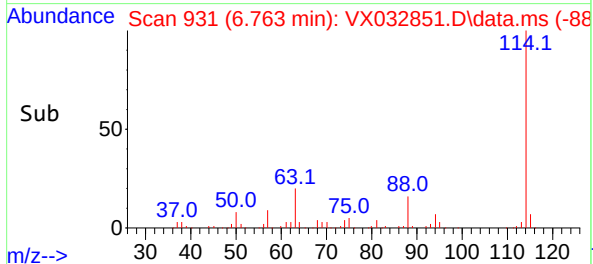


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Instrument :
MSVOA_X
ClientSampleId :

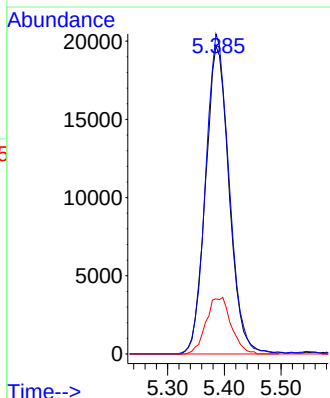
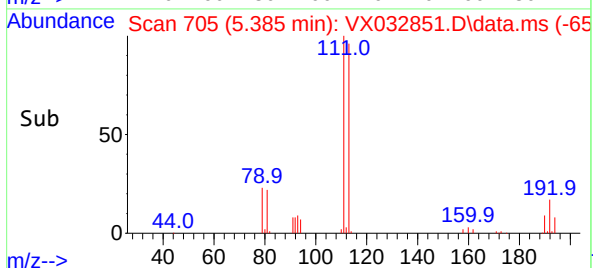
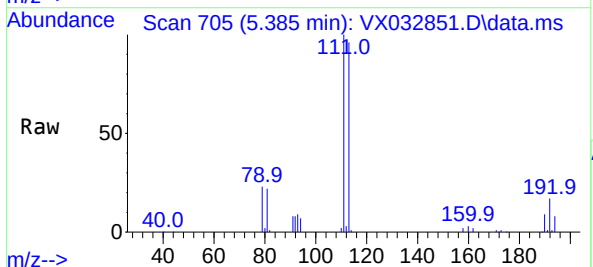


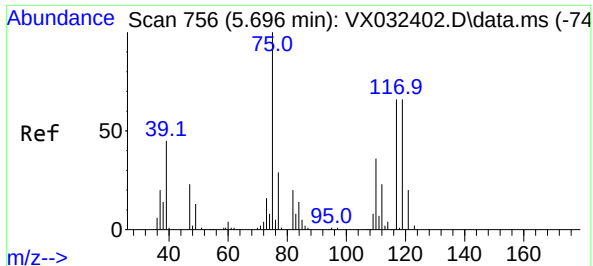
Tgt Ion:114 Resp: 171121
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.6
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.761 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

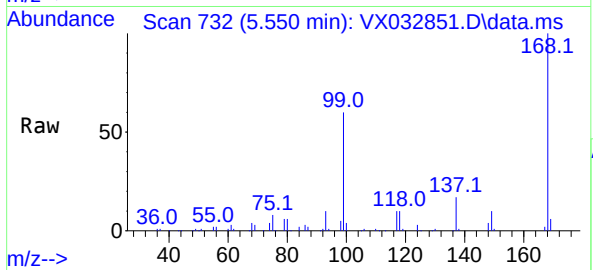
Tgt Ion:113 Resp: 57077
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 19.4 15.4 23.2



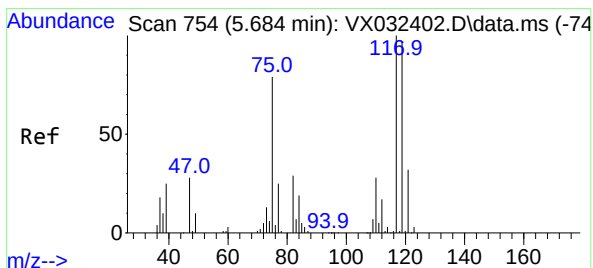
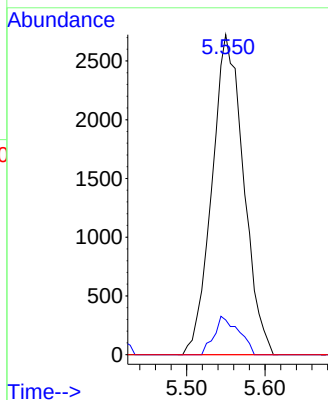
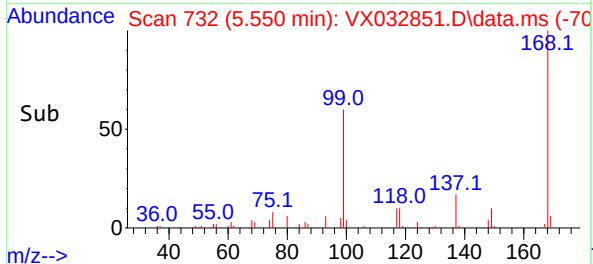


#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

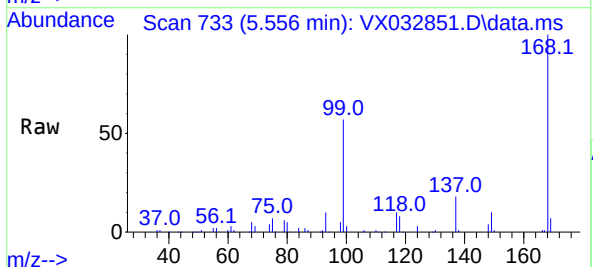
Instrument :
MSVOA_X
ClientSampleId :



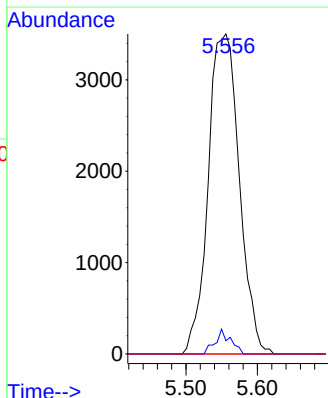
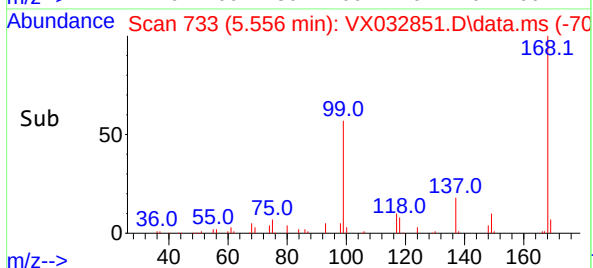
Tgt Ion: 75 Resp: 7642
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.5 36.7#

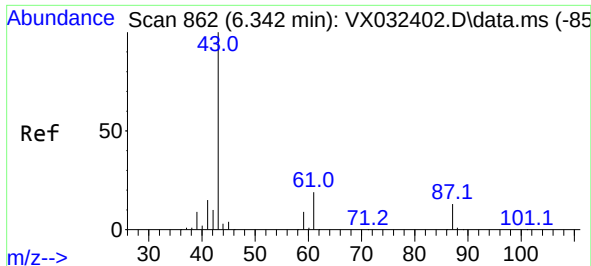


#38
Carbon Tetrachloride
Concen: 5.621 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20



Tgt Ion: 117 Resp: 10597
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 25.8 38.6#

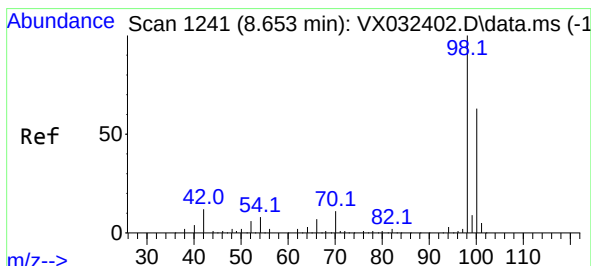
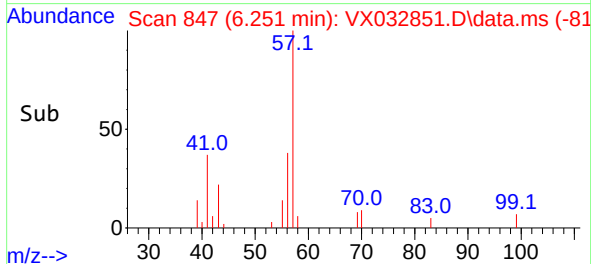
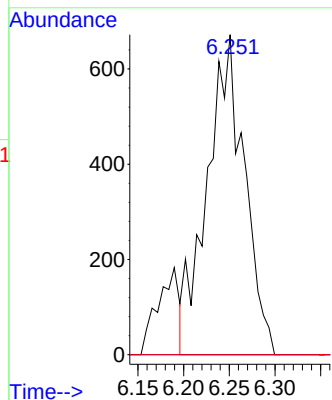
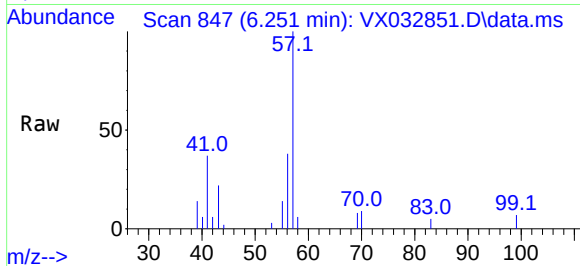




#43
Isopropyl Acetate
Concen: 0.701 ug/l
RT: 6.251 min Scan# 84
Delta R.T. -0.091 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

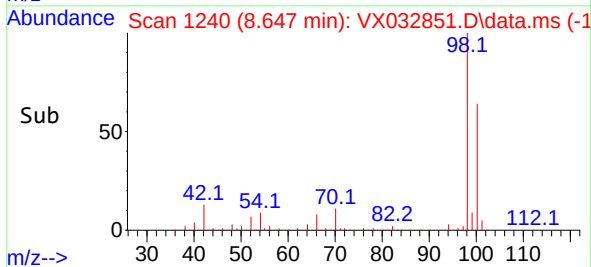
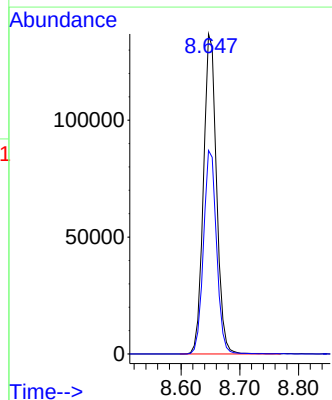
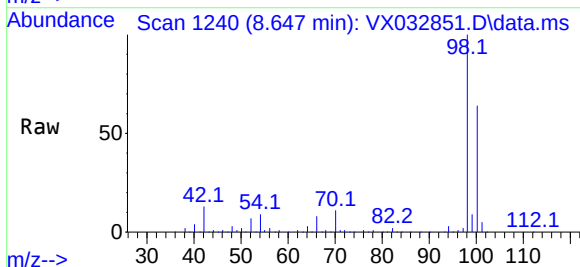
Instrument :
MSVOA_X
ClientSampleId :

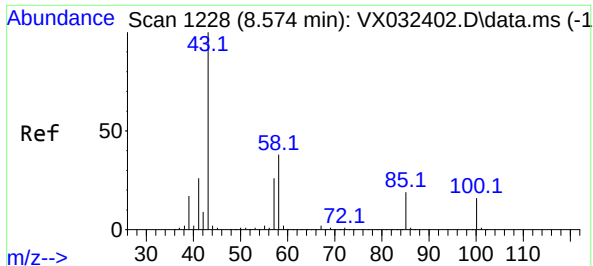
Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#



#50
Toluene-d8
Concen: 49.828 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 98 Resp: 211489
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.623 ug/l

RT: 8.641 min Scan# 1315

Delta R.T. 0.067 min

Lab File: VX032851.D

Acq: 16 Nov 2022 07:20

Instrument :

MSVOA_X

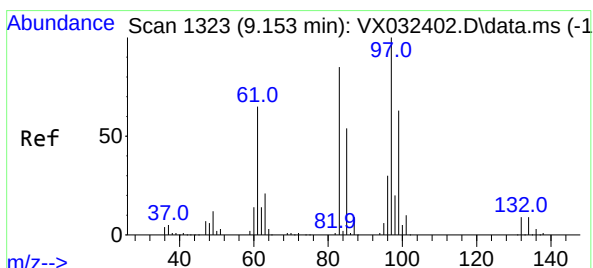
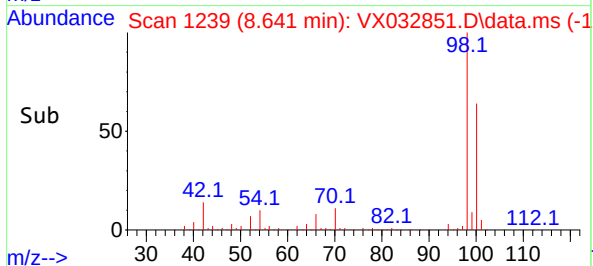
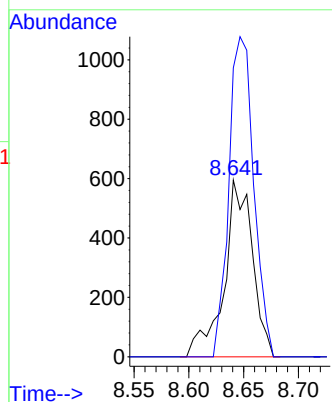
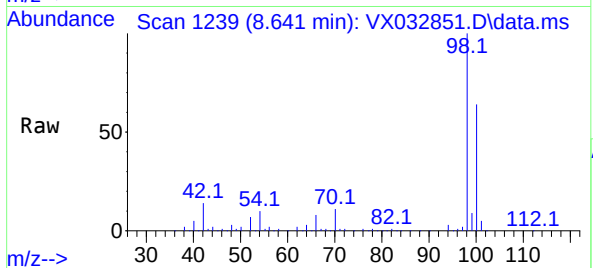
ClientSampleId :

Tgt Ion: 43 Resp: 1066

Ion Ratio Lower Upper

43 100

58 159.7 30.9 46.3#



#55

1,1,2-Trichloroethane

Concen: 0.355 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX032851.D

Acq: 16 Nov 2022 07:20

Tgt Ion: 97 Resp: 469

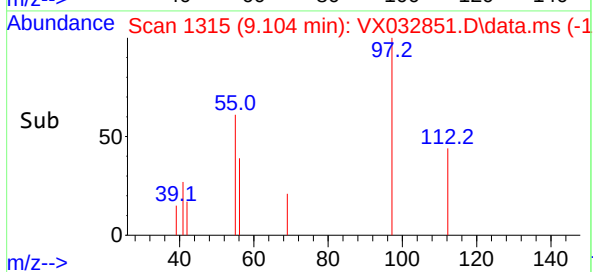
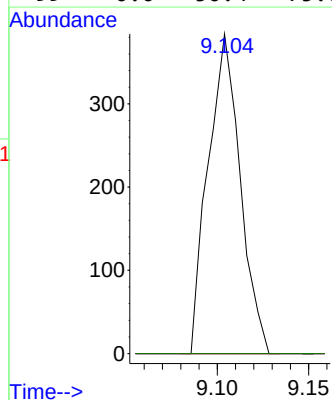
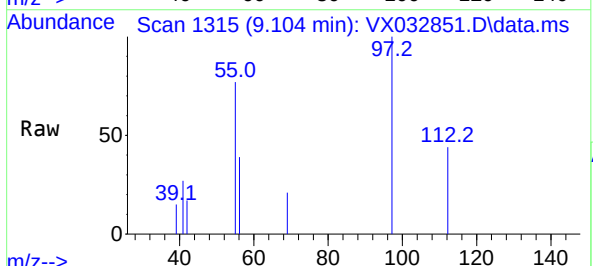
Ion Ratio Lower Upper

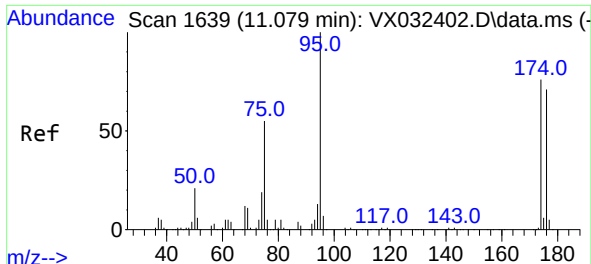
97 100

83 0.0 68.1 102.1#

85 0.0 43.3 64.9#

99 0.0 50.4 75.6#

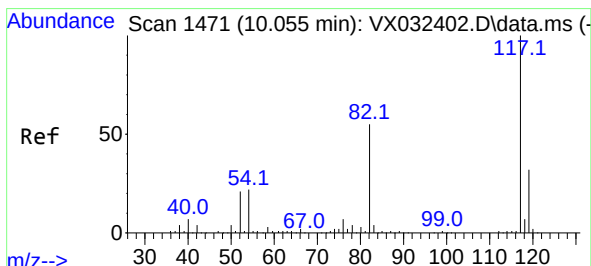
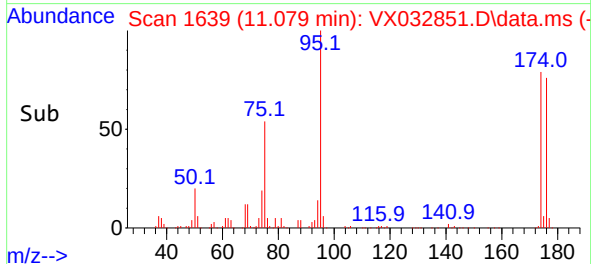
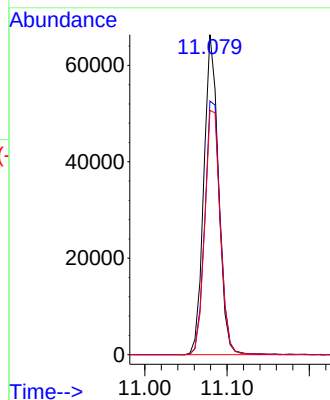
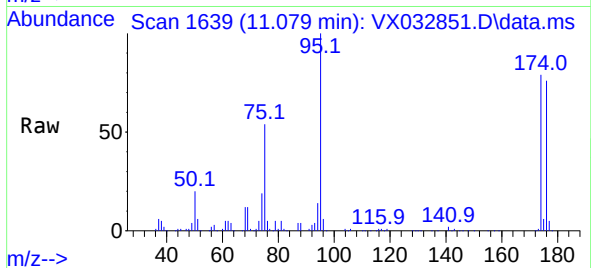




#62
4-Bromofluorobenzene
Concen: 49.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

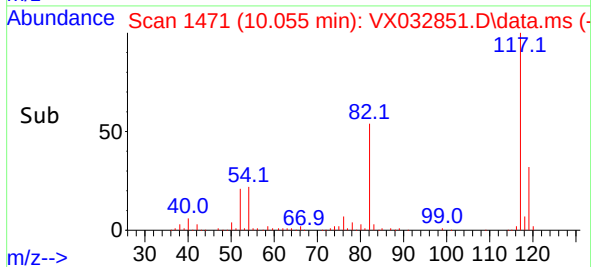
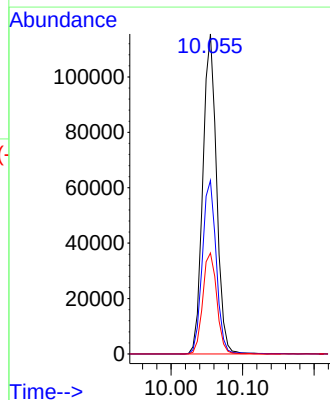
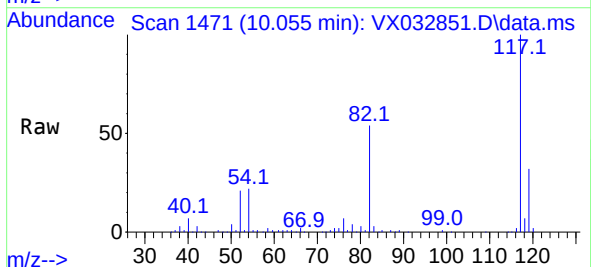
Instrument :
MSVOA_X
ClientSampleId :

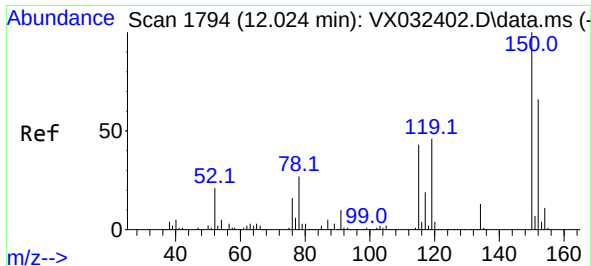
Tgt Ion: 95 Resp: 81878
Ion Ratio Lower Upper
95 100
174 84.0 0.0 164.0
176 81.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

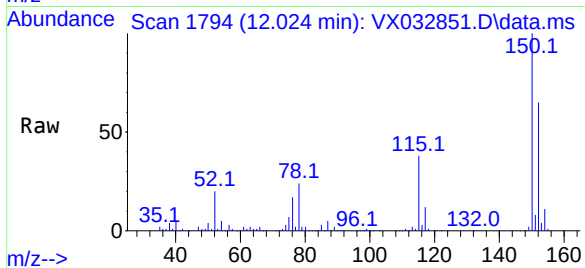
Tgt Ion: 117 Resp: 153985
Ion Ratio Lower Upper
117 100
82 54.2 44.3 66.5
119 31.6 25.7 38.5



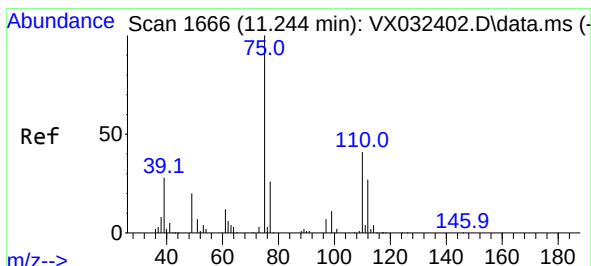
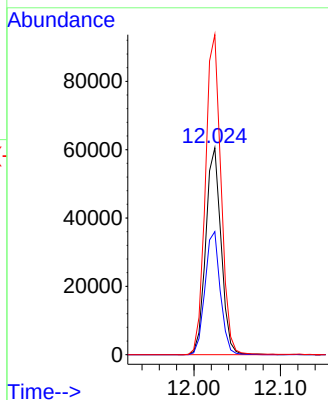
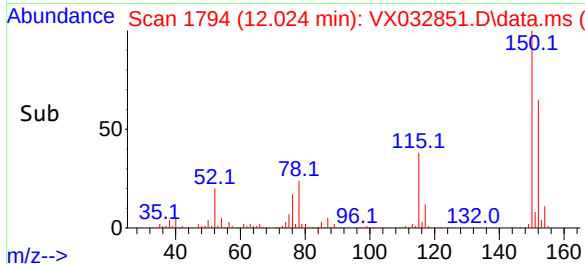


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

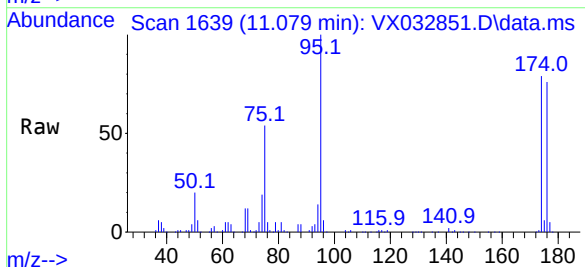
Instrument :
MSVOA_X
ClientSampleId :



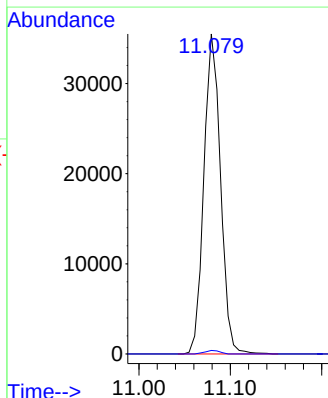
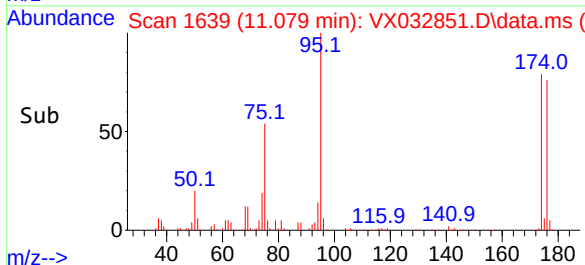
Tgt Ion:152 Resp: 74693
Ion Ratio Lower Upper
152 100
115 59.1 44.0 132.0
150 156.7 0.0 351.8

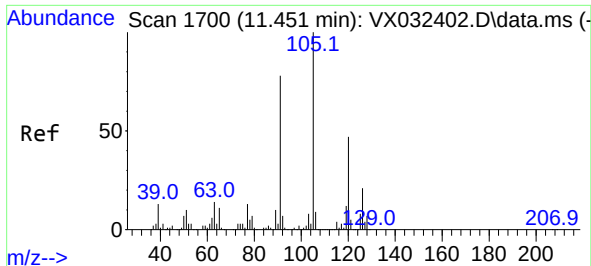


#76
1,2,3-Trichloropropane
Concen: 26.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20



Tgt Ion: 75 Resp: 44796
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#

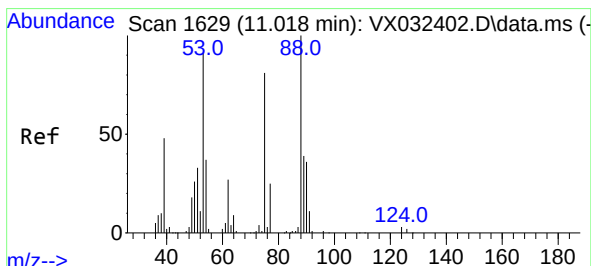
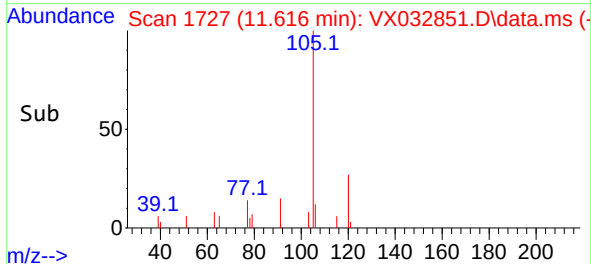
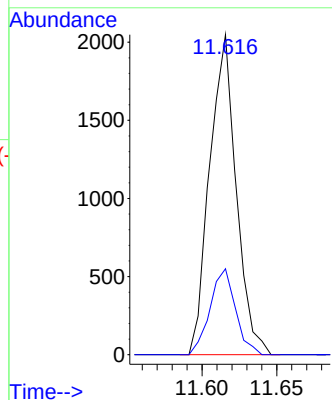
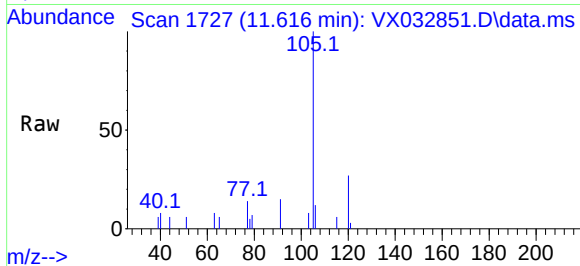




#80
1,3,5-Trimethylbenzene
Concen: 0.501 ug/l
RT: 11.616 min Scan# 11
Delta R.T. 0.165 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

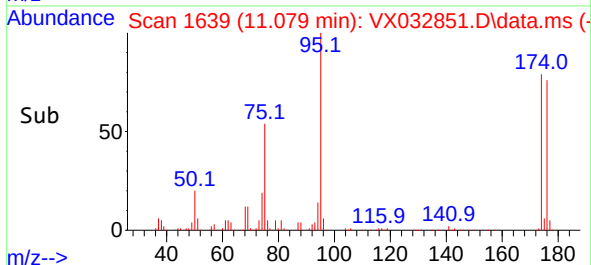
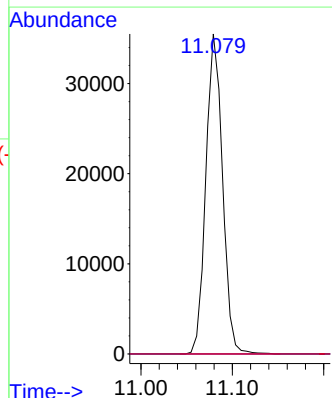
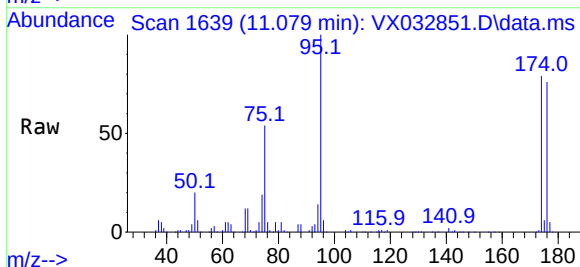
Instrument :
MSVOA_X
ClientSampleId :

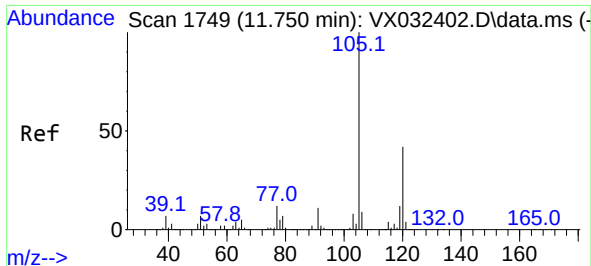
Tgt Ion:105 Resp: 2532
Ion Ratio Lower Upper
105 100
120 25.8 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 85.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 75 Resp: 44796
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

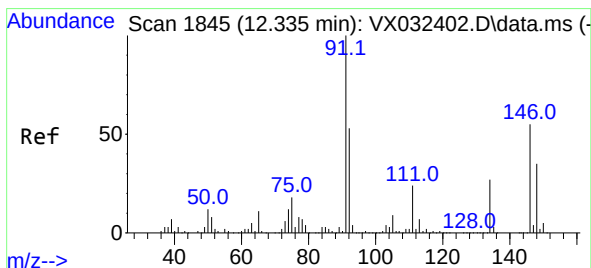
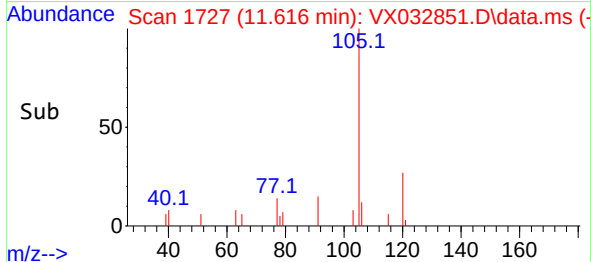
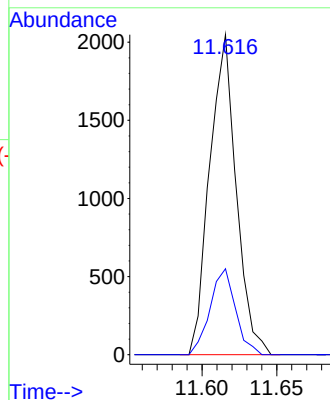
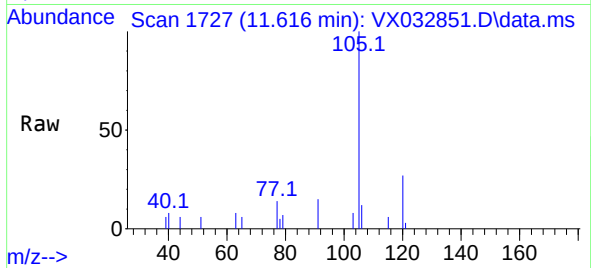




#84
1,2,4-Trimethylbenzene
Concen: 0.503 ug/l
RT: 11.616 min Scan# 11
Delta R.T. -0.134 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

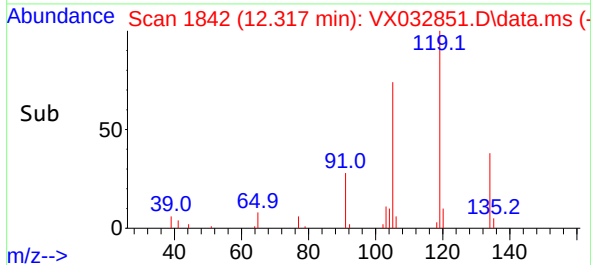
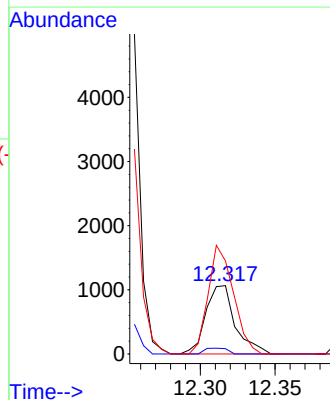
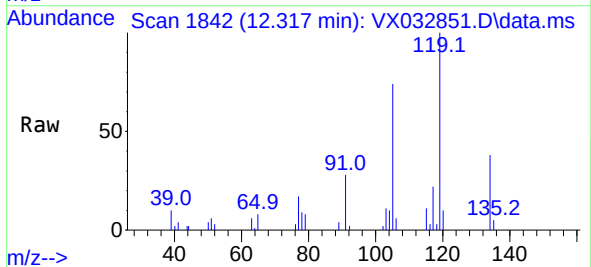
Instrument :
MSVOA_X
ClientSampleId :

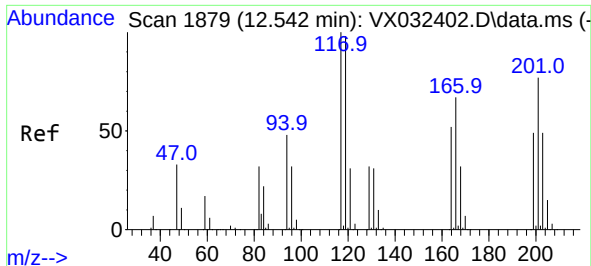
Tgt Ion:105 Resp: 2532
Ion Ratio Lower Upper
105 100
120 25.8 21.9 65.5



#89
n-Butylbenzene
Concen: 0.326 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 91 Resp: 1461
Ion Ratio Lower Upper
91 100
92 6.5 26.2 78.6#
134 136.4 12.9 38.6#

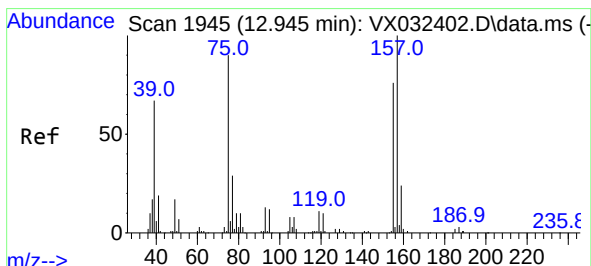
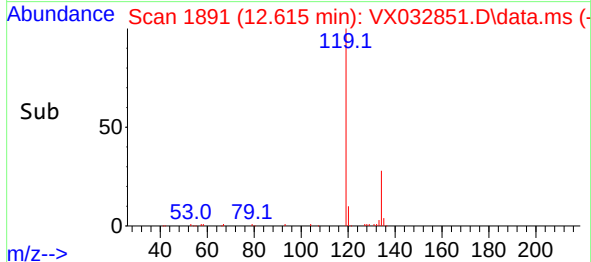
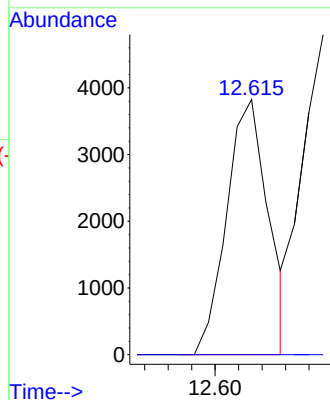
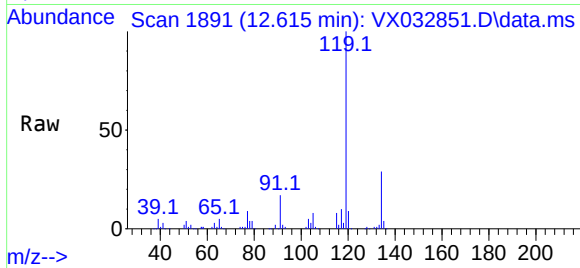




#90
Hexachloroethane
Concen: 5.614 ug/l
RT: 12.615 min Scan# 1879
Delta R.T. 0.073 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 4728
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.435 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. -0.018 min
Lab File: VX032851.D
Acq: 16 Nov 2022 07:20

Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#

