

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031342.D
 Acq On : 15 Sep 2022 06:46
 Operator : JC/MD
 Sample : N4579-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:12:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

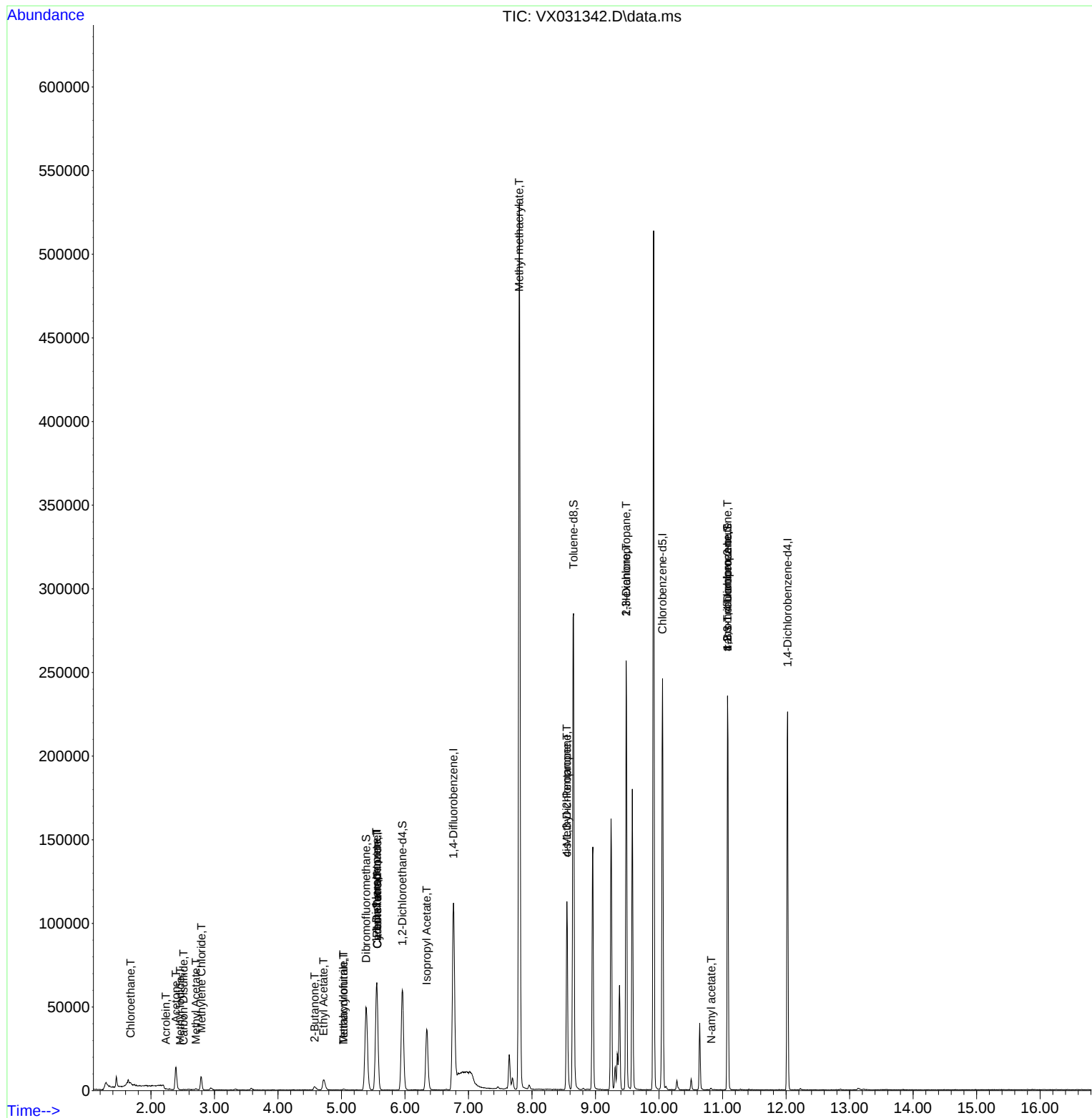
Internal Standards						
1) Pentafluorobenzene	5.556	168	55533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	103352	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56709	41.604	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.200%		
35) Dibromofluoromethane	5.385	113	41295	37.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	74.340%#		
50) Toluene-d8	8.653	98	162954	39.102	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	78.200%#		
62) 4-Bromofluorobenzene	11.079	95	55509	36.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	72.740%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	318	Below Cal	#	41
6) Chloroethane	1.679	64	173	0.246	ug/l #	43
10) Methyl Iodide	2.459	142	140	1.062	ug/l #	38
11) Tert butyl alcohol	2.941	59	797	Below Cal	#	73
13) Acrolein	2.233	56	148	0.941	ug/l #	54
16) Acetone	2.392	43	17081	29.354	ug/l	97
17) Carbon Disulfide	2.514	76	174	0.972	ug/l #	75
18) Methyl Acetate	2.709	43	1100	0.637	ug/l	92
20) Methylene Chloride	2.794	84	3369	1.369	ug/l	92
25) 2-Butanone	4.574	43	2863	2.983	ug/l	94
29) Tetrahydrofuran	5.032	42	500	0.841	ug/l #	48
31) Cyclohexane	5.562	56	1643	1.122	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	5609	3.689	ug/l #	49
37) Ethyl Acetate	4.715	43	10928	5.469	ug/l	98
38) Carbon Tetrachloride	5.562	117	6047	3.658	ug/l #	17
41) Methacrylonitrile	5.032	41	318	0.294	ug/l #	32
43) Isopropyl Acetate	6.342	43	52266	15.323	ug/l	97
48) Methyl methacrylate	7.799	41	46401	29.883	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	40820	19.688	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	16805	8.241	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	2091	0.998	ug/l #	43
59) 2-Hexanone	9.482	43	30784	19.454	ug/l #	50
74) N-amyl acetate	10.823	43	322	0.210	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	32490	30.859	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32490	85.387	ug/l #	11

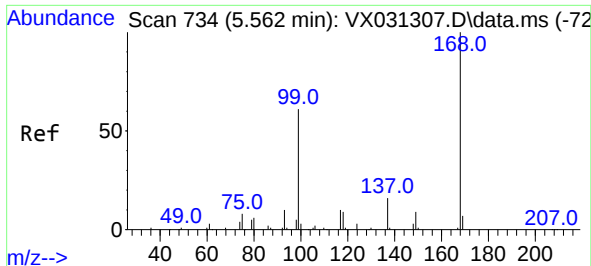
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

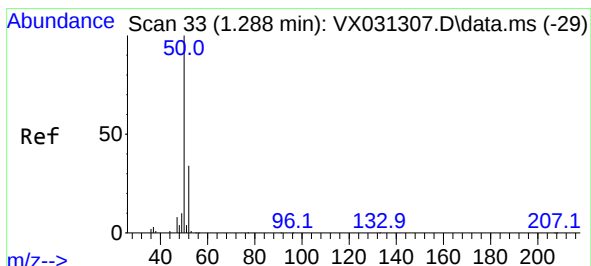
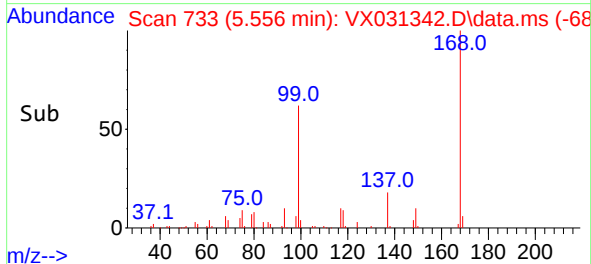
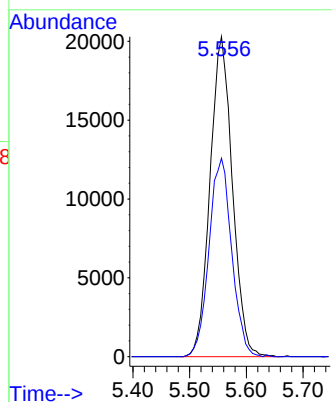
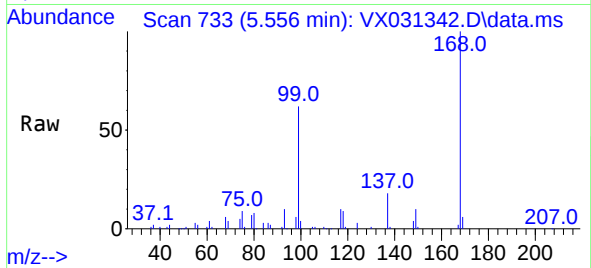




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

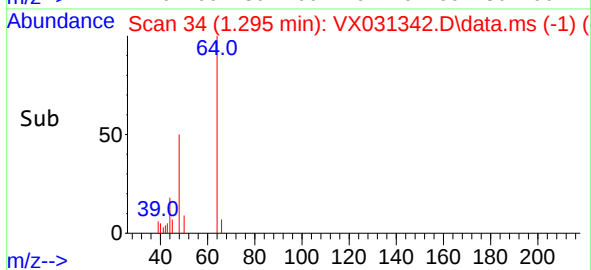
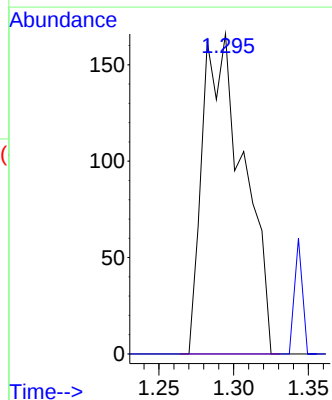
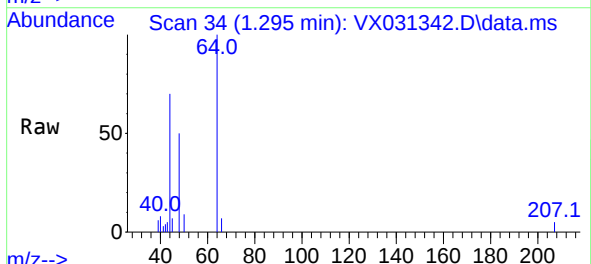
Instrument :
MSVOA_X
ClientSampleId :

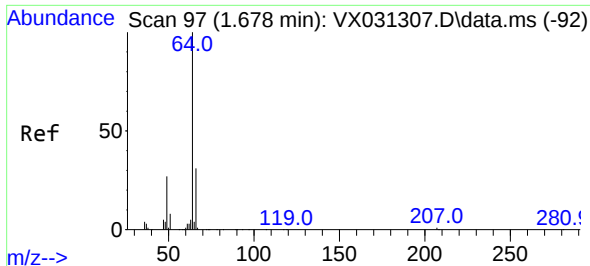
Tgt Ion:168 Resp: 55533
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

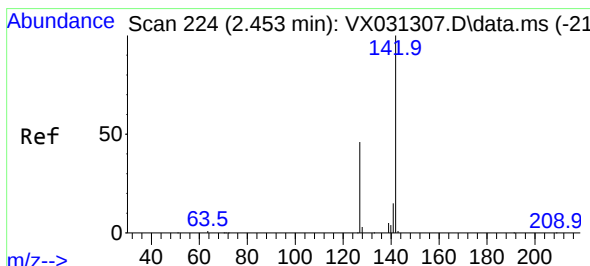
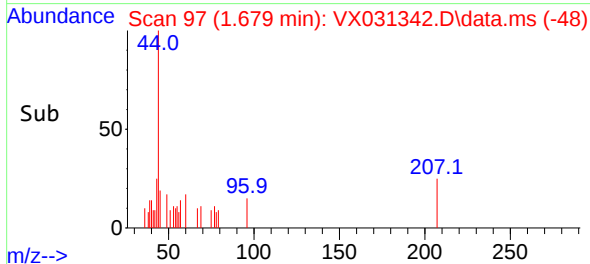
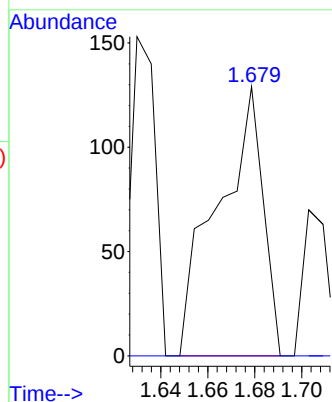
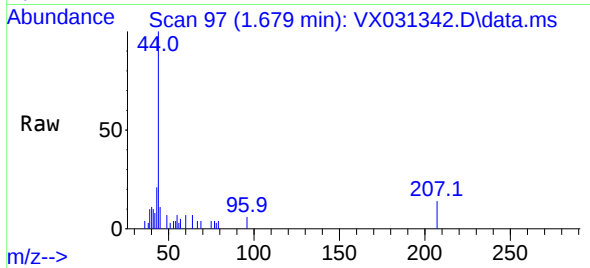




#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

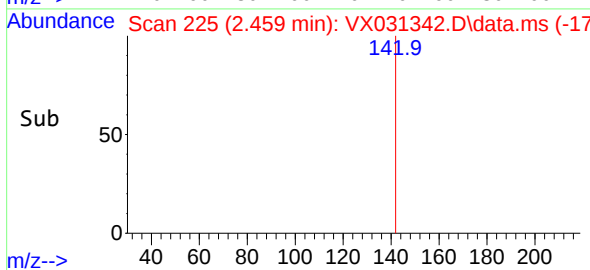
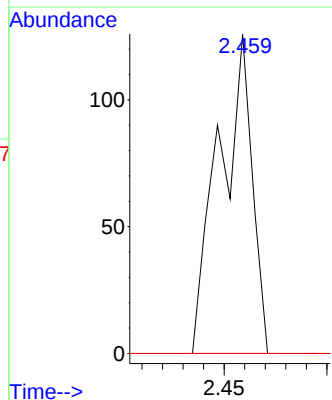
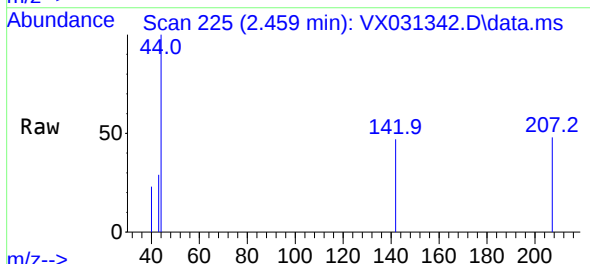
Instrument :
MSVOA_X
ClientSampleId :

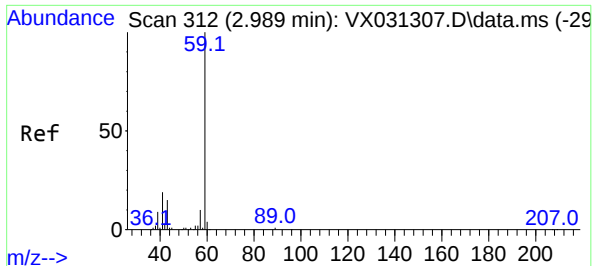
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.062 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Tgt Ion: 142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

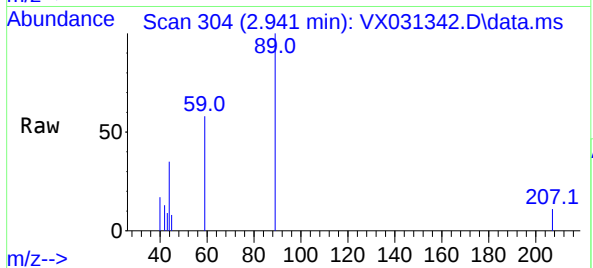
Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

Instrument :

MSVOA_X

ClientSampleId :

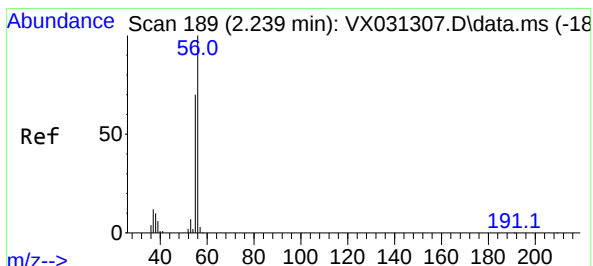
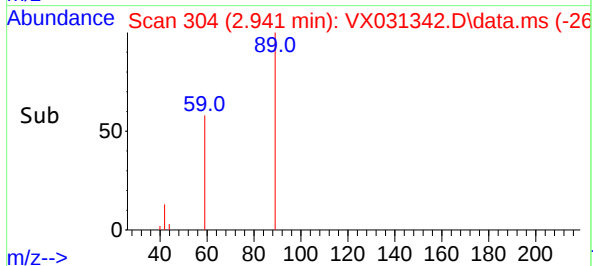
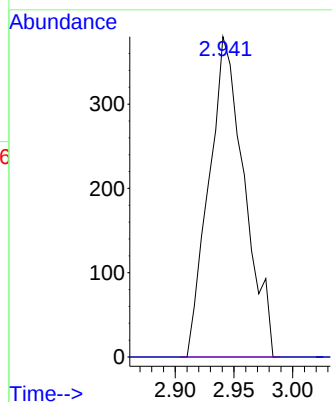


Tgt Ion: 59 Resp: 797

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.941 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX031342.D

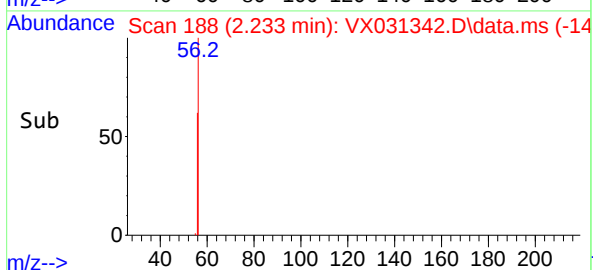
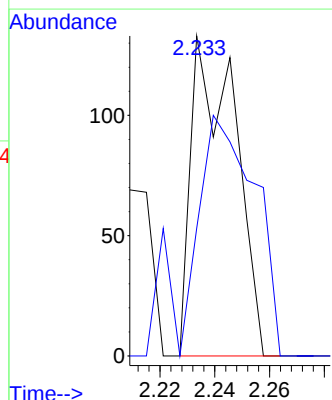
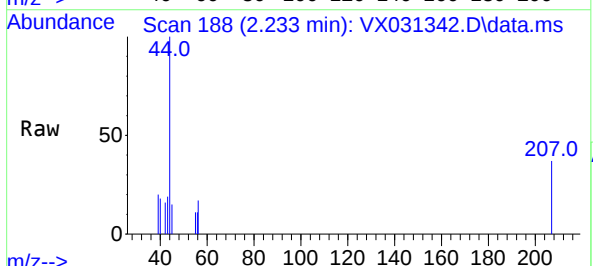
Acq: 15 Sep 2022 06:46

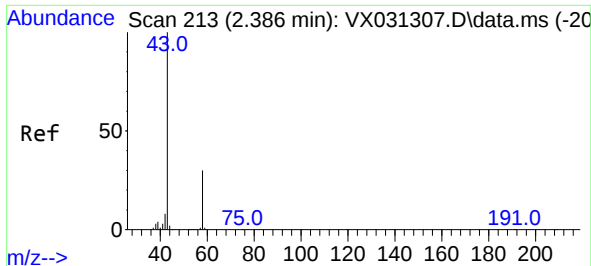
Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 108.1 56.0 84.0#

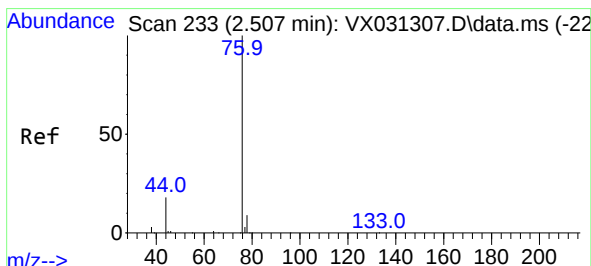
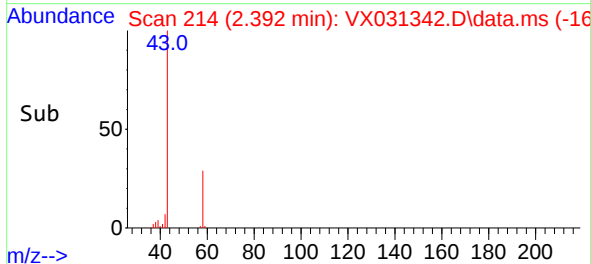
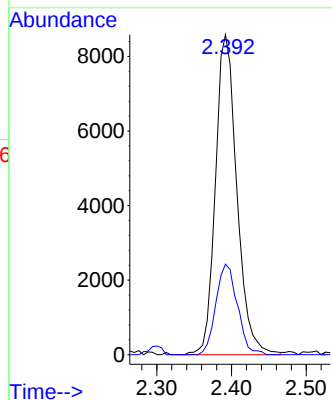
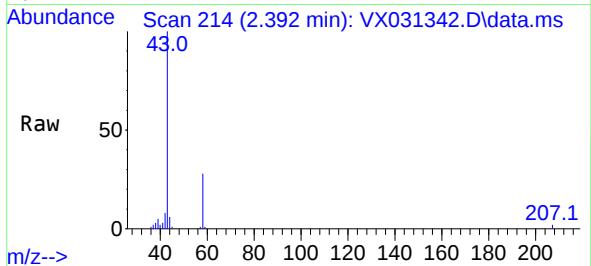




#16
Acetone
Concen: 29.354 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

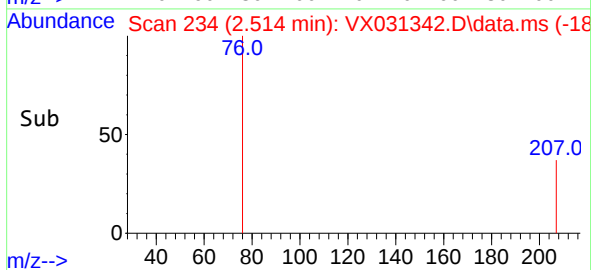
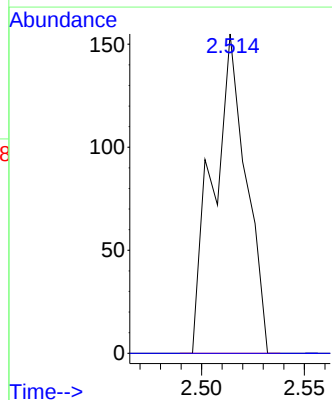
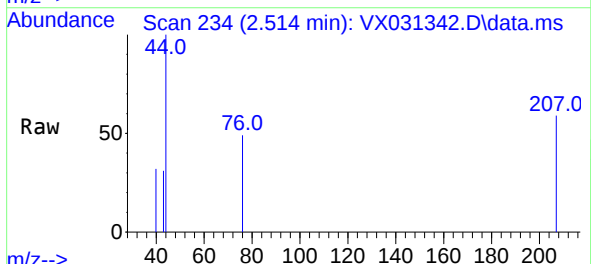
Instrument :
MSVOA_X
ClientSampleId :

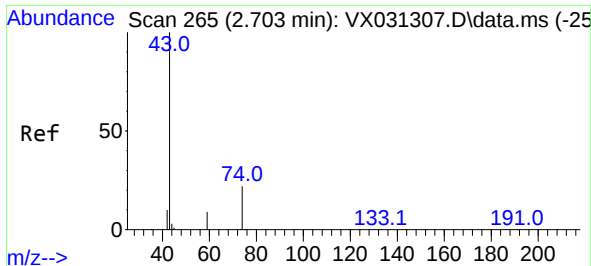
Tgt Ion: 43 Resp: 17081
Ion Ratio Lower Upper
43 100
58 28.3 23.8 35.8



#17
Carbon Disulfide
Concen: 0.972 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Tgt Ion: 76 Resp: 174
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.637 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

Instrument :

MSVOA_X

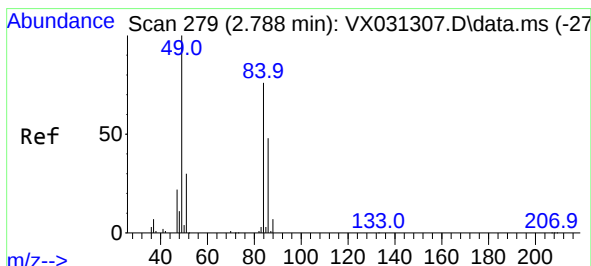
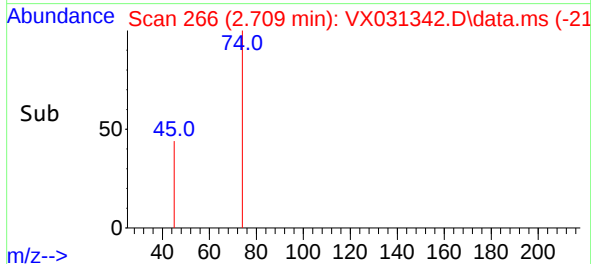
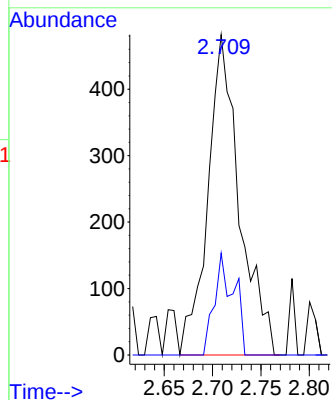
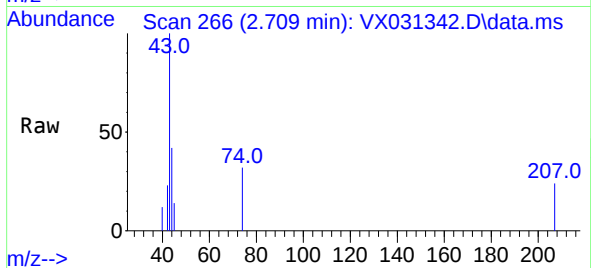
ClientSampleId :

Tgt Ion: 43 Resp: 1100

Ion Ratio Lower Upper

43 100

74 19.5 18.6 27.8



#20

Methylene Chloride

Concen: 1.369 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

Tgt Ion: 84 Resp: 3369

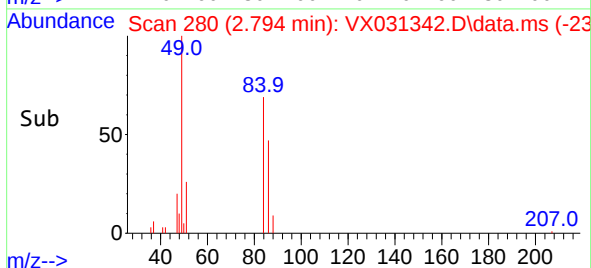
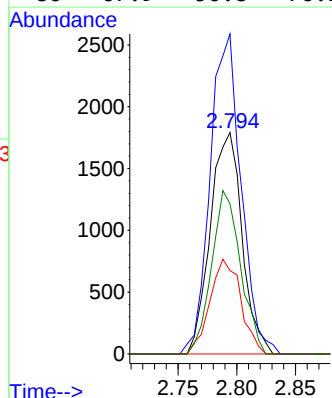
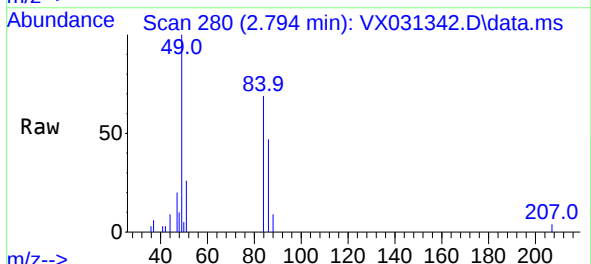
Ion Ratio Lower Upper

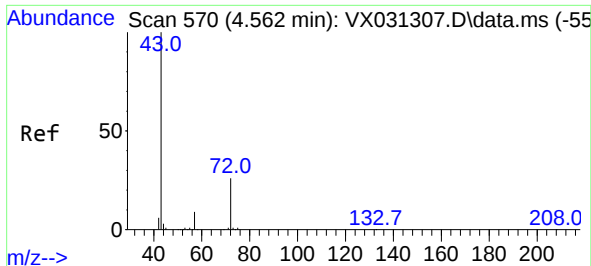
84 100

49 144.6 105.9 158.9

51 37.6 32.2 48.2

86 67.9 50.8 76.2





#25

2-Butanone

Concen: 2.983 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

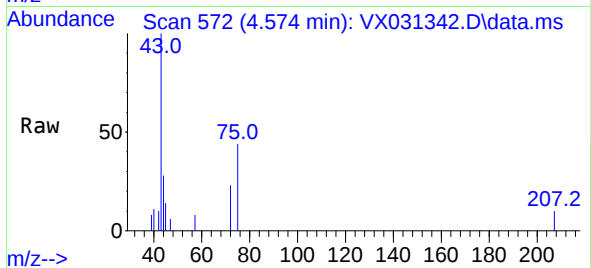
Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

Instrument :

MSVOA_X

ClientSampleId :

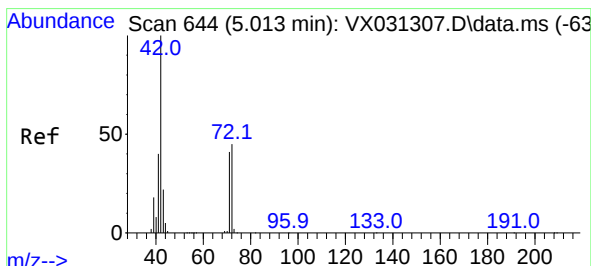
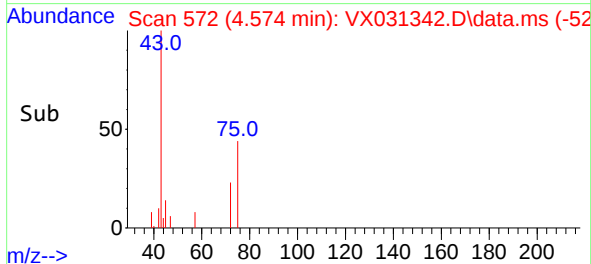
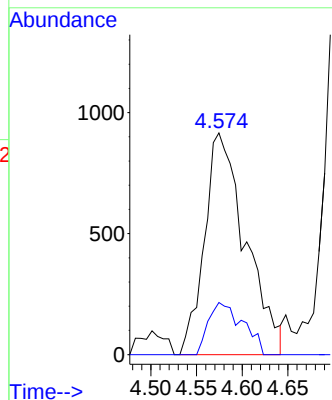


Tgt Ion: 43 Resp: 2863

Ion Ratio Lower Upper

43 100

72 23.5 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.841 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

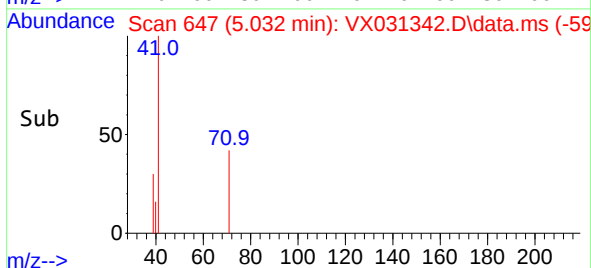
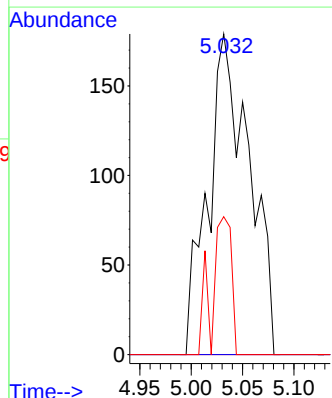
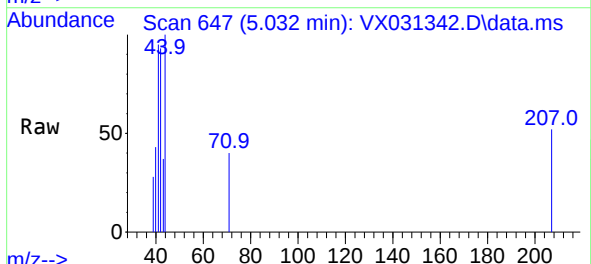
Tgt Ion: 42 Resp: 500

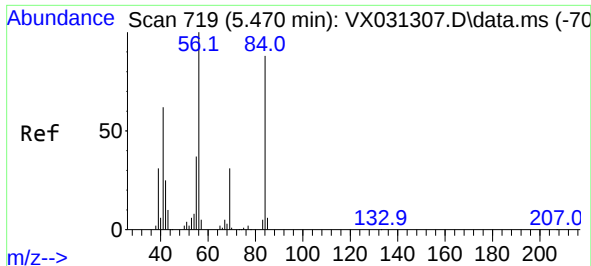
Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

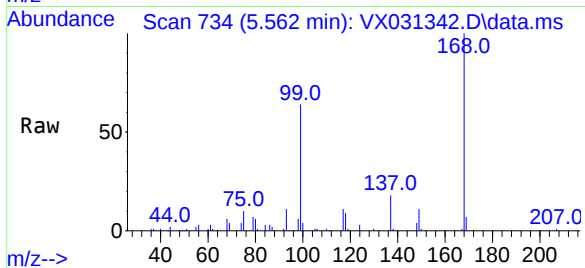
71 20.2 33.5 50.3#



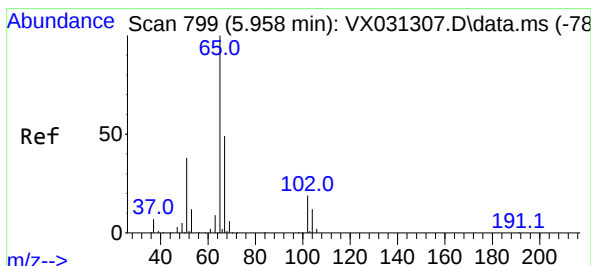
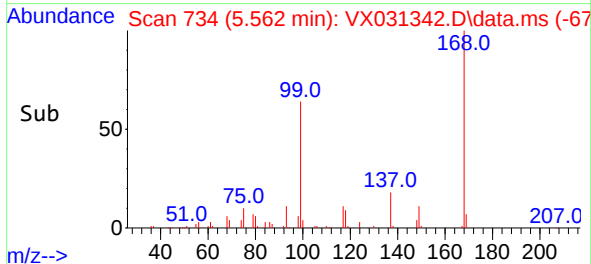
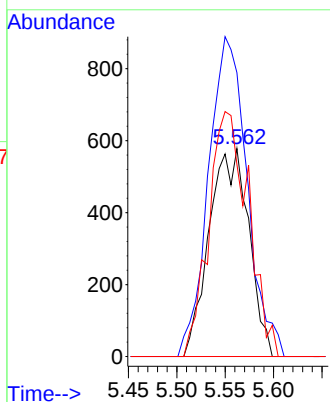


#31
Cyclohexane
Concen: 1.122 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

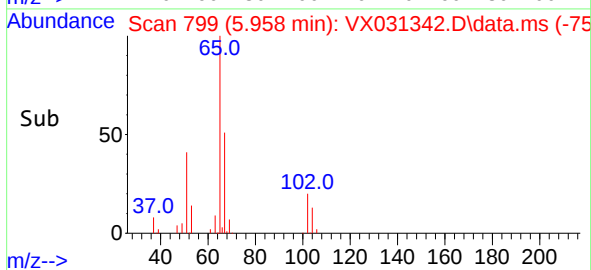
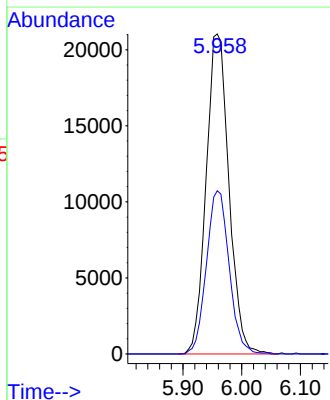
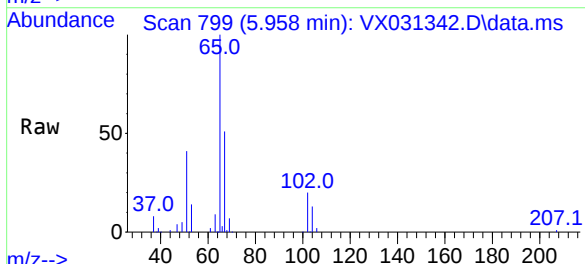


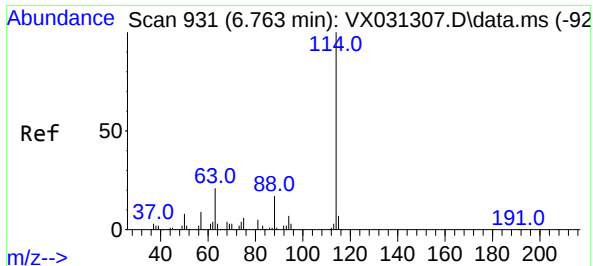
Tgt Ion: 56 Resp: 1643
Ion Ratio Lower Upper
56 100
69 136.5 25.1 37.7#
84 92.4 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 41.604 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

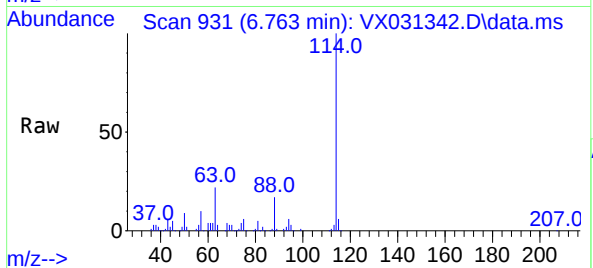
Tgt Ion: 65 Resp: 56709
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4



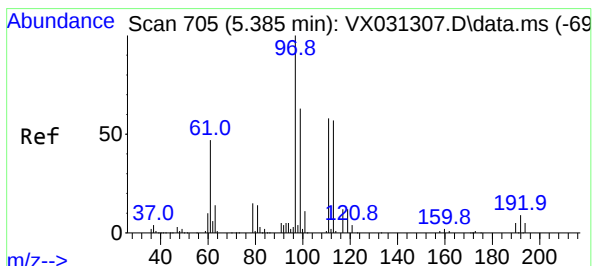
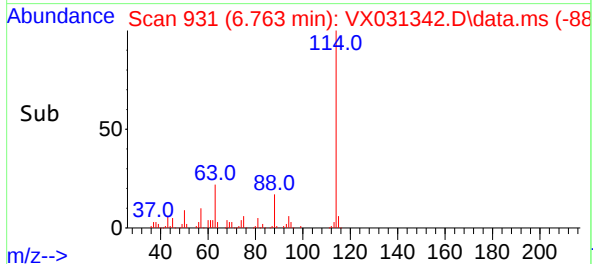
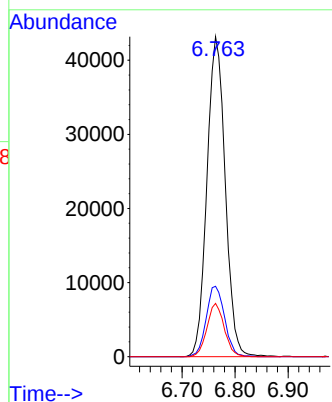


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

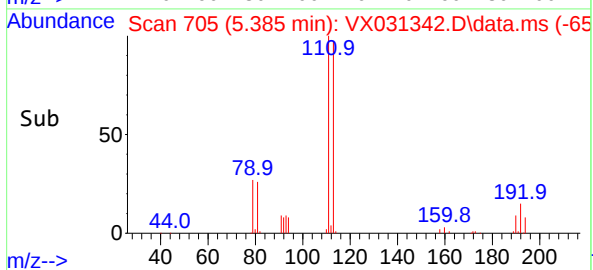
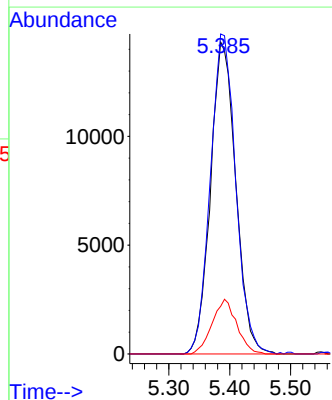
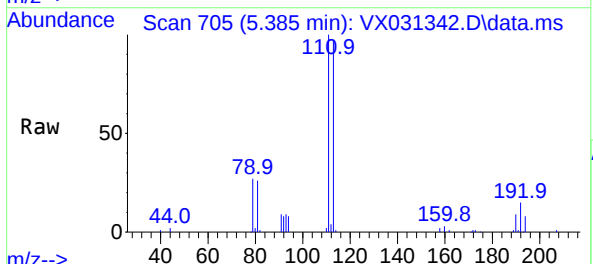


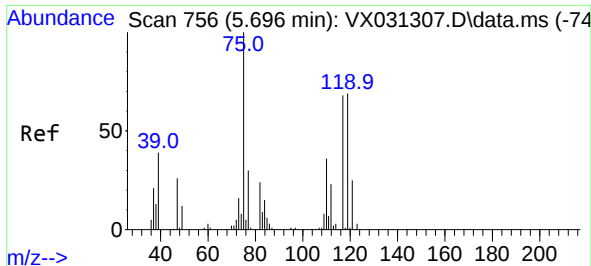
Tgt Ion:114 Resp: 103352
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.6
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 37.171 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

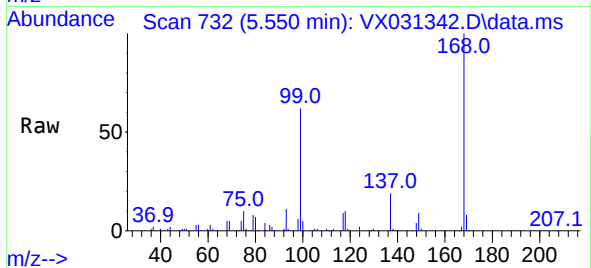
Tgt Ion:113 Resp: 41295
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 17.1 14.1 21.1



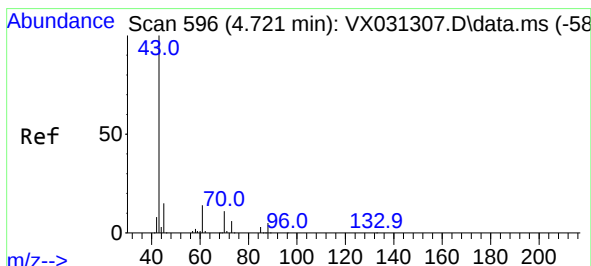
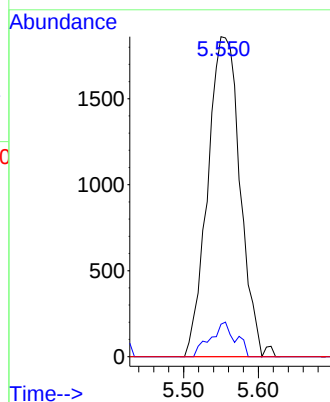
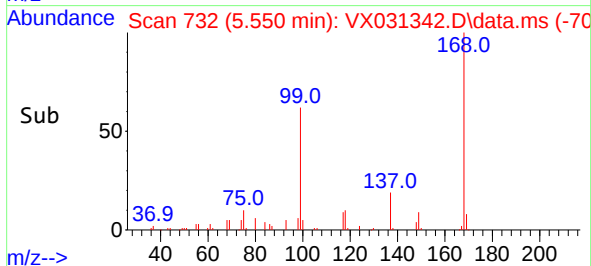


#36
1,1-Dichloropropene
Concen: 3.689 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

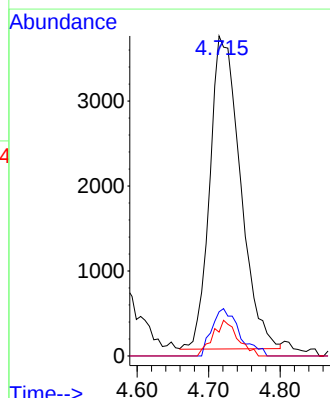
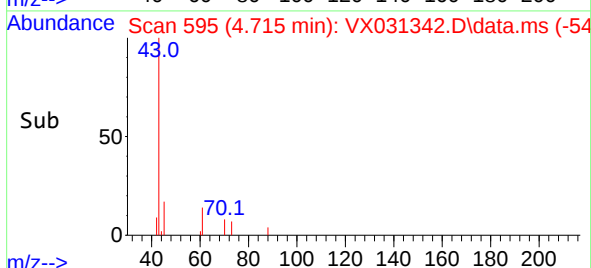
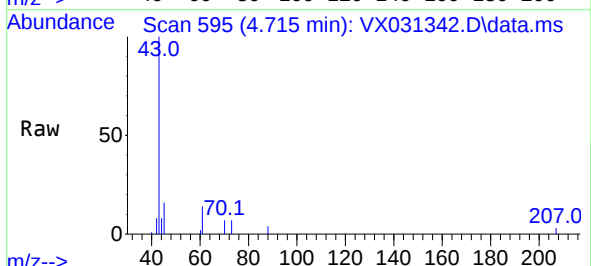


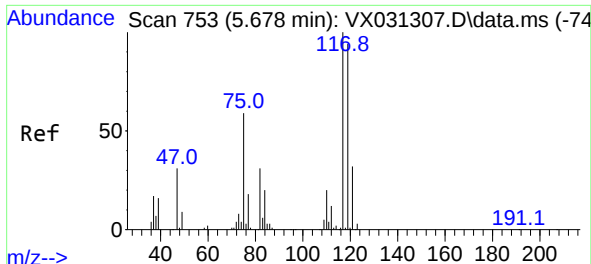
Tgt Ion: 75 Resp: 5609
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 5.469 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.006 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

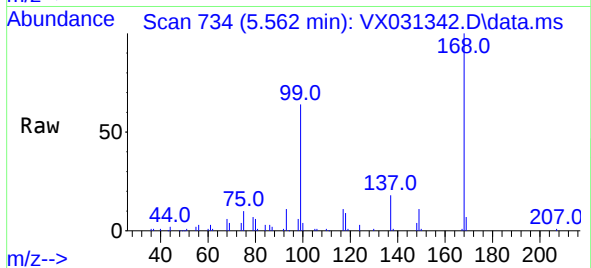
Tgt Ion: 43 Resp: 10928
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 9.2 8.6 13.0



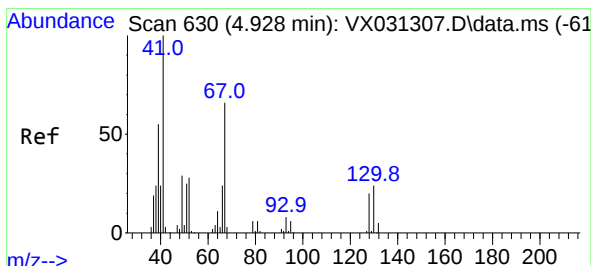
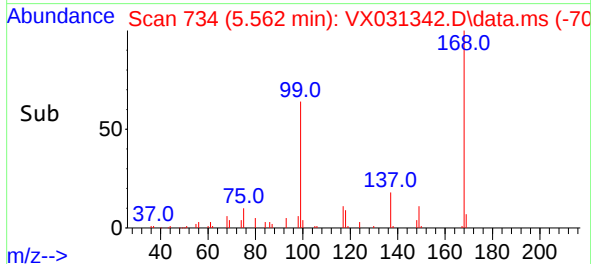
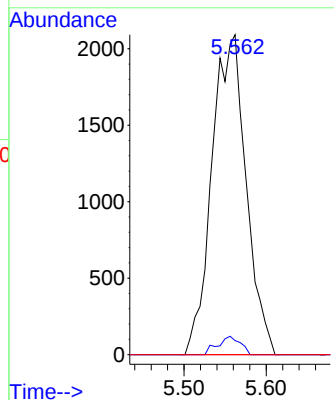


#38
Carbon Tetrachloride
Concen: 3.658 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

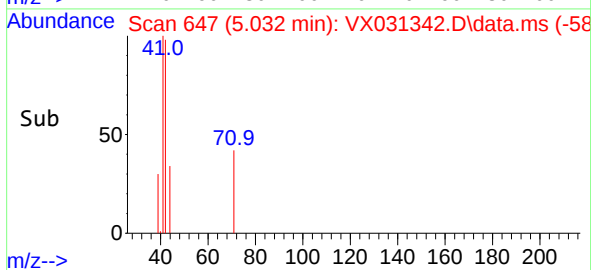
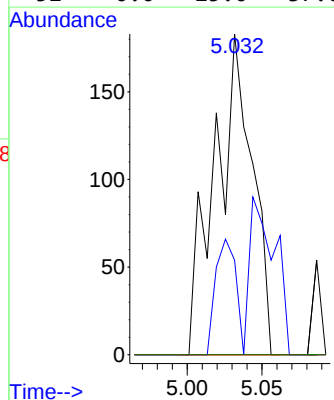
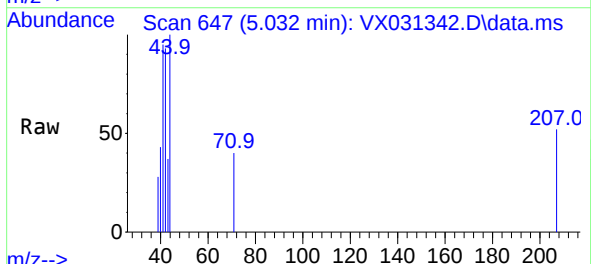


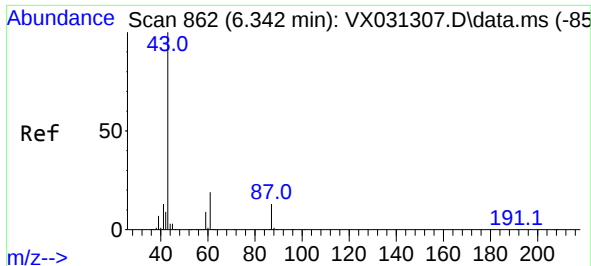
Tgt Ion:117 Resp: 6047
Ion Ratio Lower Upper
117 100
119 4.4 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 0.294 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Tgt Ion: 41 Resp: 318
Ion Ratio Lower Upper
41 100
39 19.5 45.0 67.6#
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

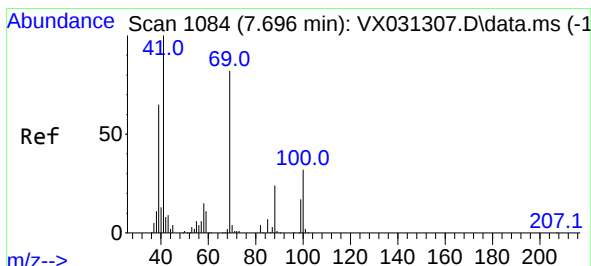
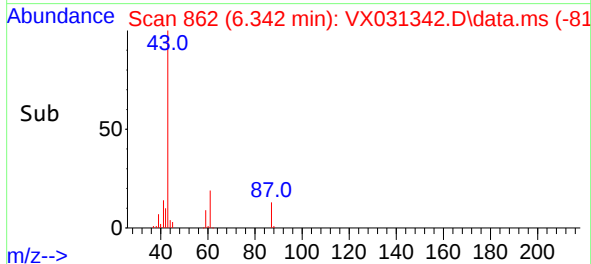
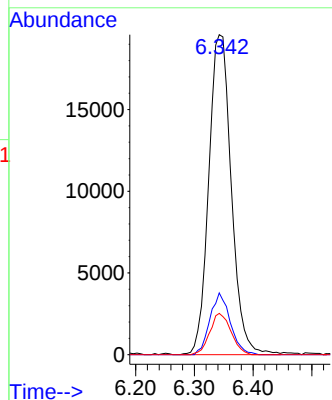
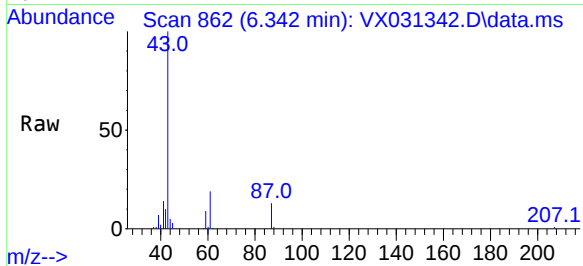




#43
Isopropyl Acetate
Concen: 15.323 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

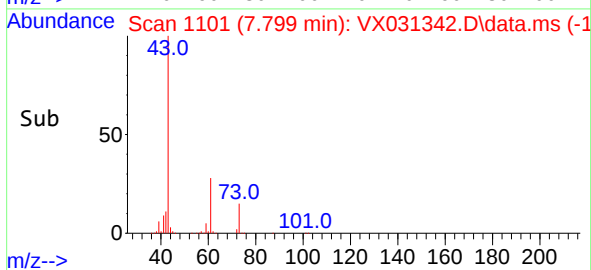
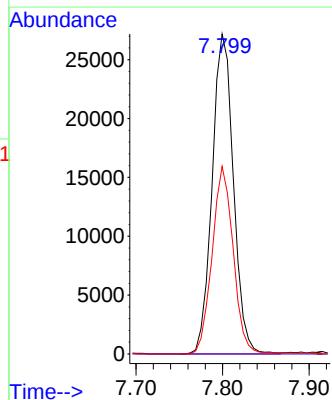
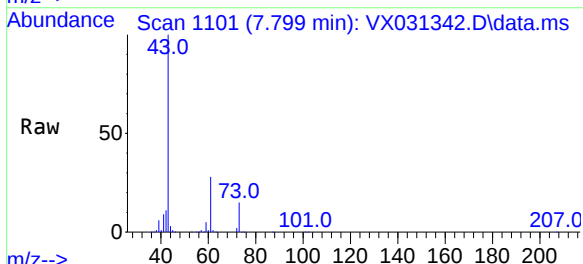
Instrument :
MSVOA_X
ClientSampleId :

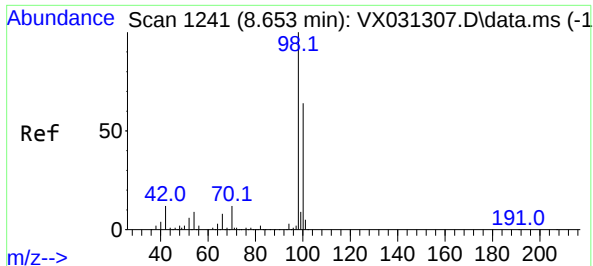
Tgt Ion: 43 Resp: 52266
Ion Ratio Lower Upper
43 100
61 17.4 15.3 22.9
87 12.1 10.6 15.8



#48
Methyl methacrylate
Concen: 29.883 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Tgt Ion: 41 Resp: 46401
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 58.4 51.4 77.0

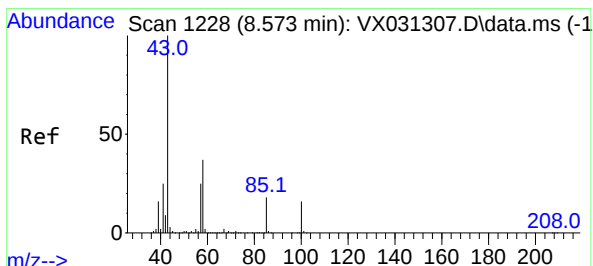
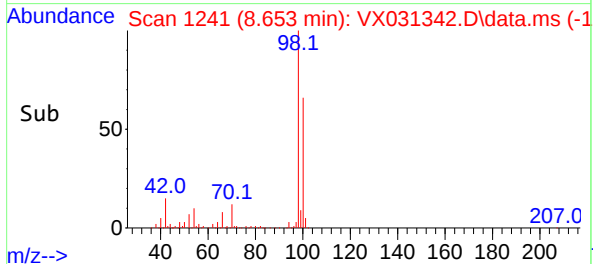
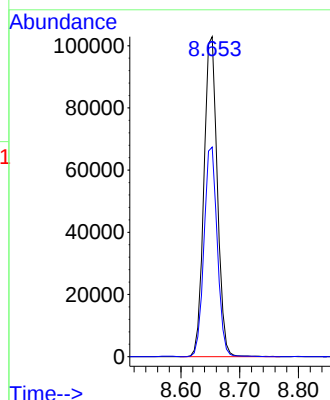
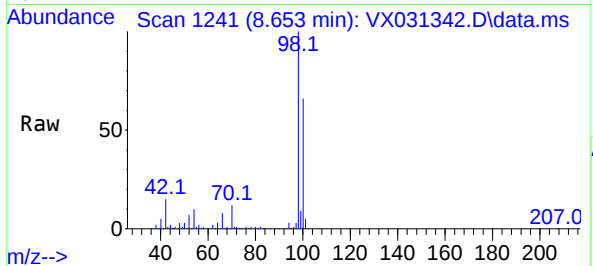




#50
Toluene-d8
Concen: 39.102 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

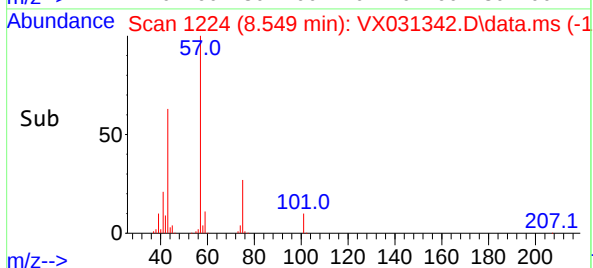
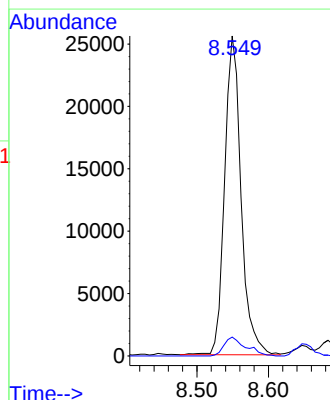
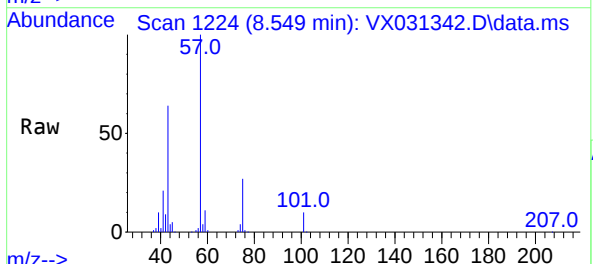
Instrument :
MSVOA_X
ClientSampleId :

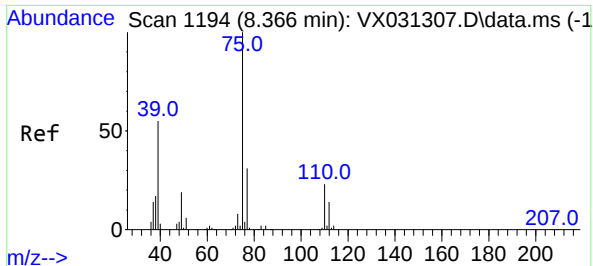
Tgt Ion: 98 Resp: 162954
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 19.688 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

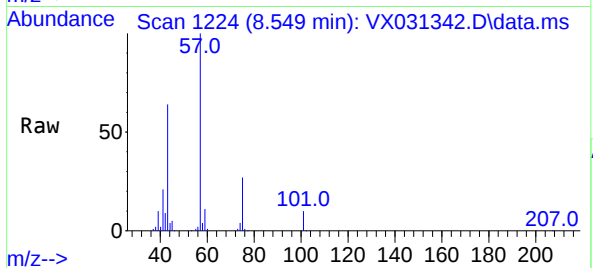
Tgt Ion: 43 Resp: 40820
Ion Ratio Lower Upper
43 100
58 7.9 30.6 46.0#



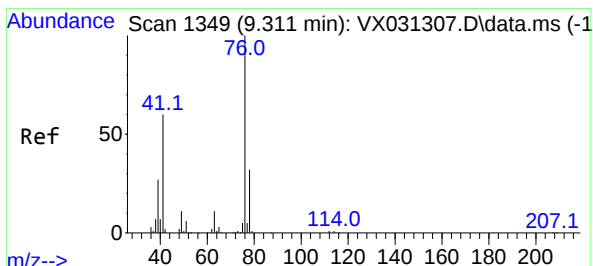
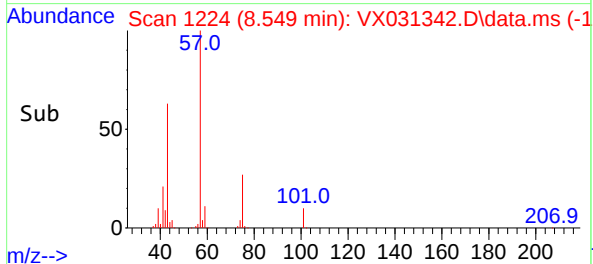
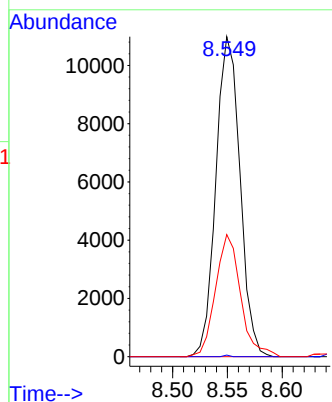


#54
 cis-1,3-Dichloropropene
 Concen: 8.241 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031342.D
 Acq: 15 Sep 2022 06:46

Instrument :
 MSVOA_X
 ClientSampleId :

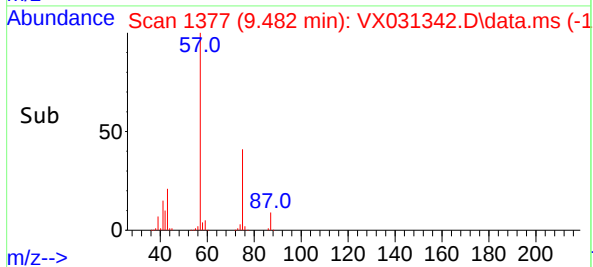
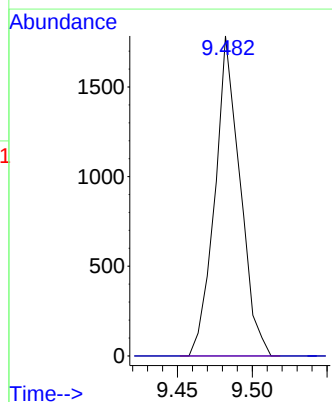
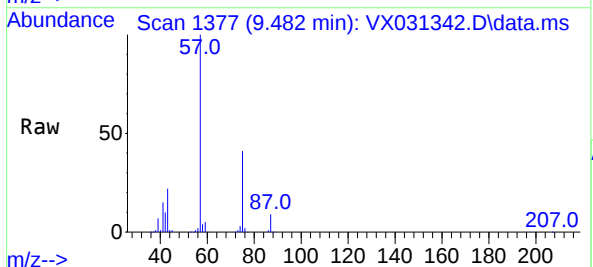


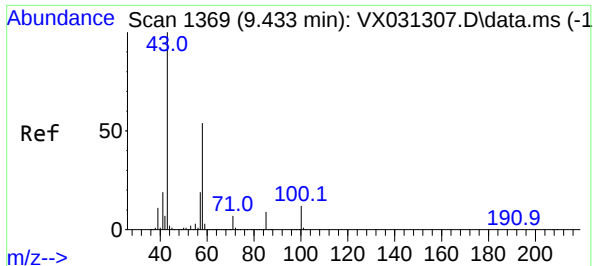
Tgt Ion: 75 Resp: 16805
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.4 36.6#
 39 38.2 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.998 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031342.D
 Acq: 15 Sep 2022 06:46

Tgt Ion: 76 Resp: 2091
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 19.454 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

Instrument :

MSVOA_X

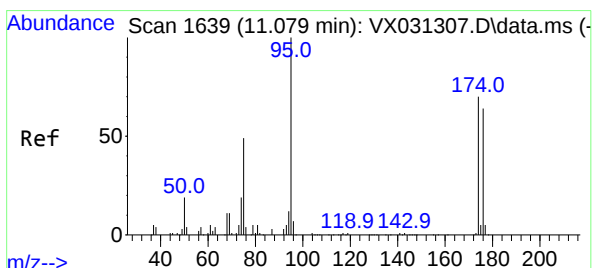
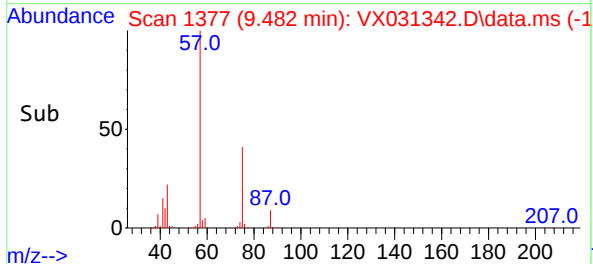
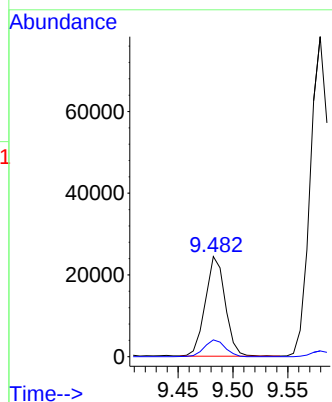
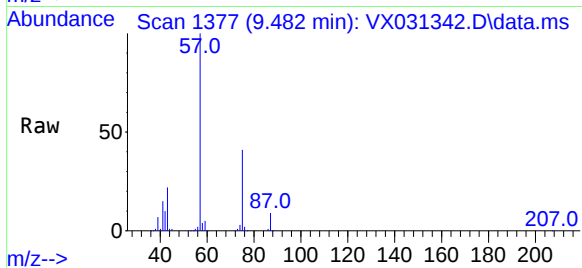
ClientSampleId :

Tgt Ion: 43 Resp: 30784

Ion Ratio Lower Upper

43 100

58 17.7 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 36.374 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031342.D

Acq: 15 Sep 2022 06:46

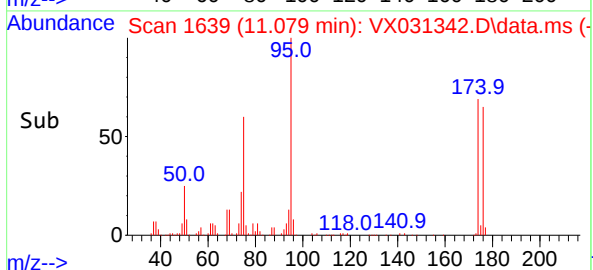
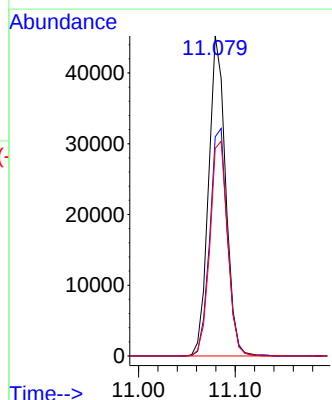
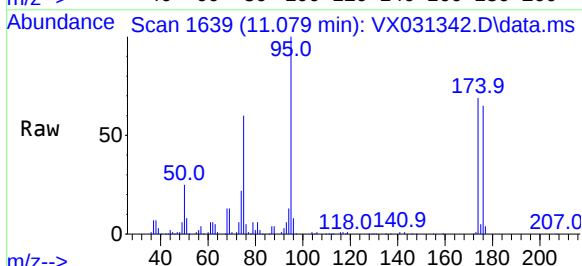
Tgt Ion: 95 Resp: 55509

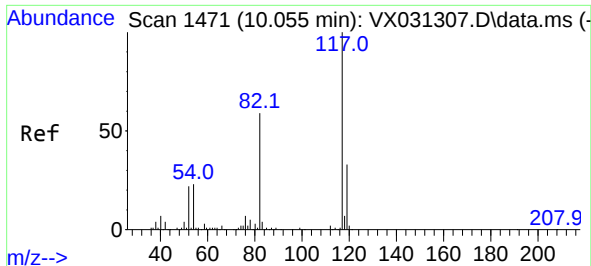
Ion Ratio Lower Upper

95 100

174 73.2 0.0 153.2

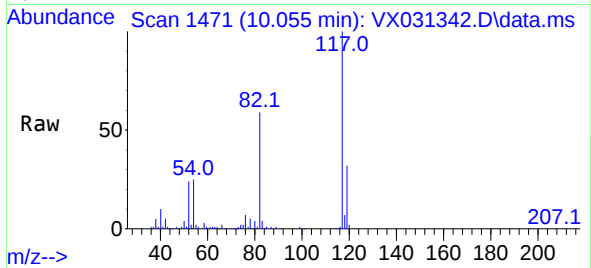
176 69.7 0.0 144.0



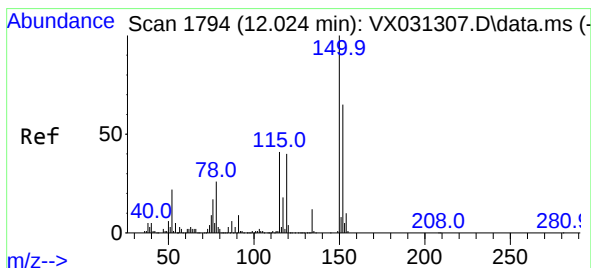
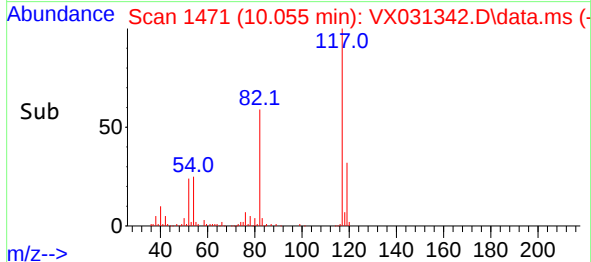
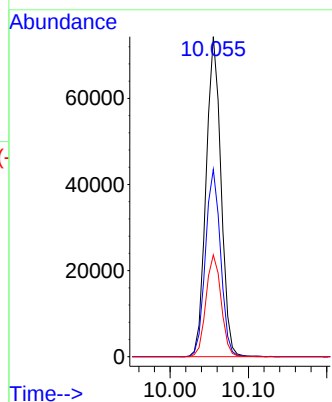


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

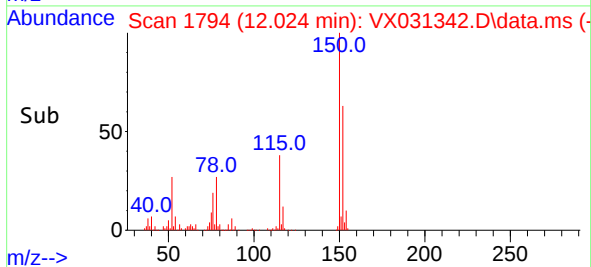
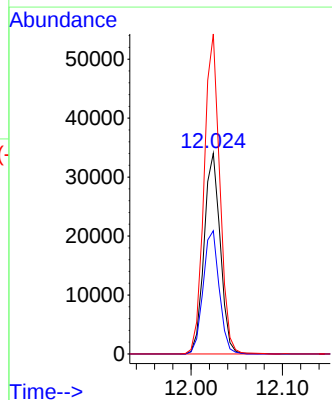
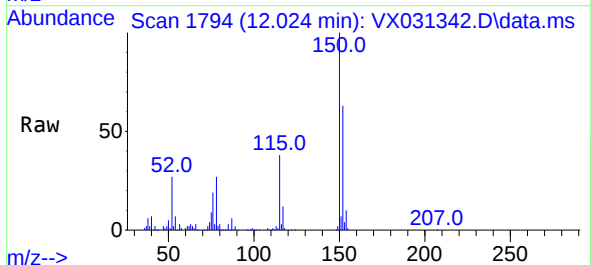


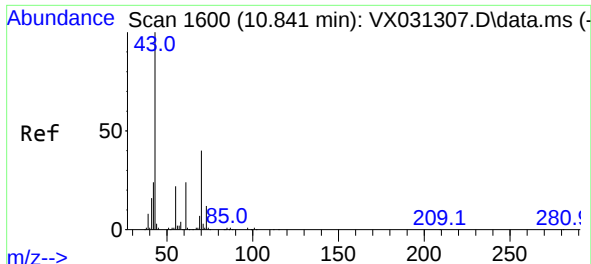
Tgt Ion:117 Resp: 98099
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 31.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

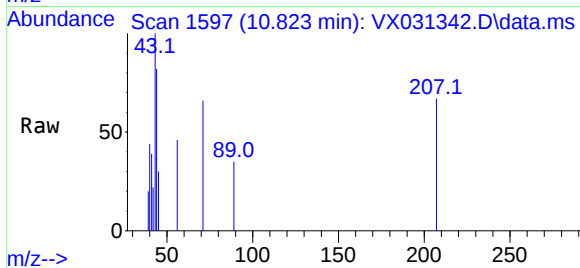
Tgt Ion:152 Resp: 41780
Ion Ratio Lower Upper
152 100
115 61.3 43.4 130.1
150 155.3 0.0 346.8



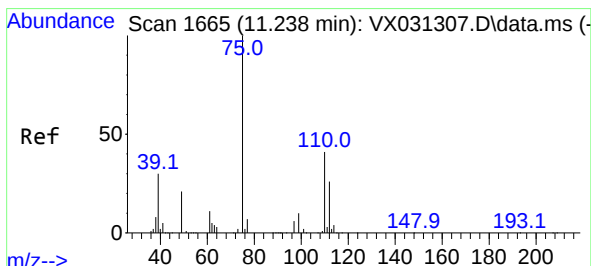
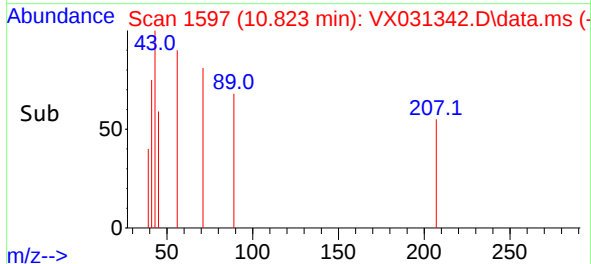
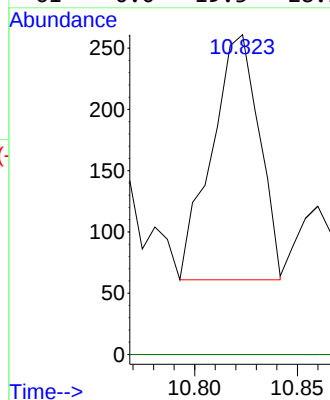


#74
N-amy1 acetate
Concen: 0.210 ug/l
RT: 10.823 min Scan# 1639
Delta R.T. -0.018 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

Instrument :
MSVOA_X
ClientSampleId :

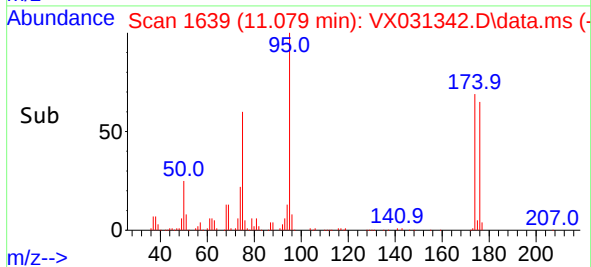
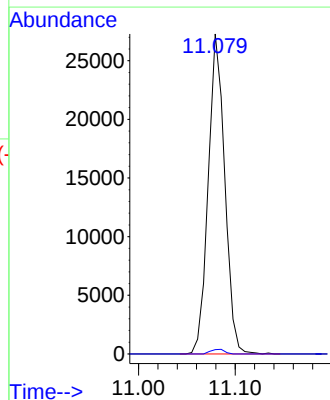
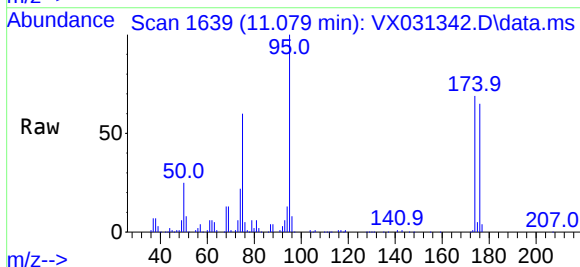


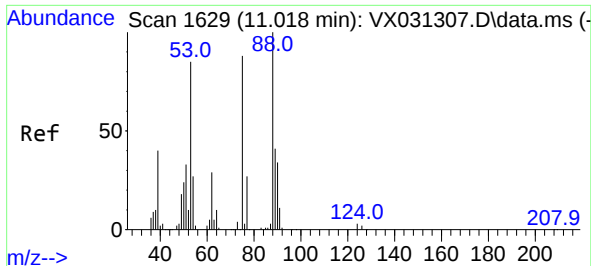
Tgt Ion: 43	Resp: 322
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.2#
55 0.0	18.2 27.2#
61 0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 30.859 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031342.D
Acq: 15 Sep 2022 06:46

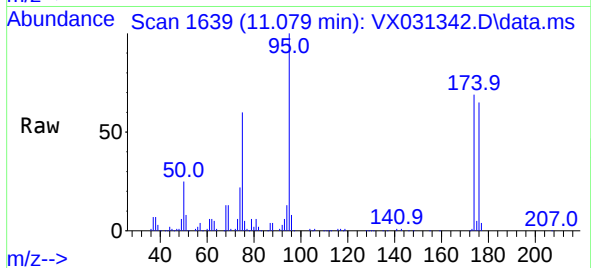
Tgt Ion: 75	Resp: 32490
Ion Ratio	Lower Upper
75 100	
77 1.2	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.387 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031342.D
 Acq: 15 Sep 2022 06:46

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 32490
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

