

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031341.D
 Acq On : 15 Sep 2022 06:22
 Operator : JC/MD
 Sample : N4578-42
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:12:10 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)

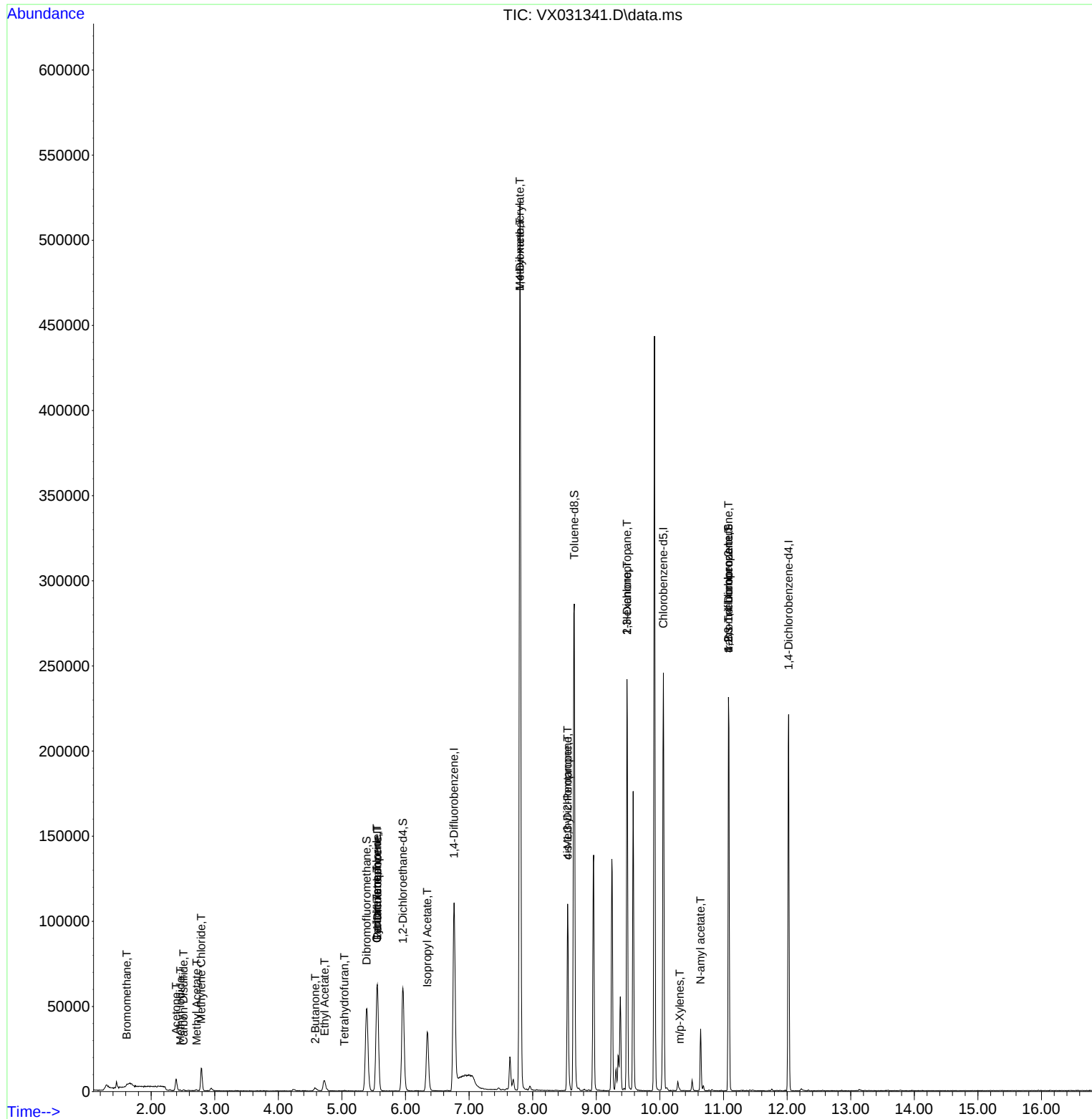
Internal Standards						
1) Pentafluorobenzene	5.556	168	55296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	100102	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56887	41.913	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.820%
35) Dibromofluoromethane	5.385	113	41946	38.982	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.960%
50) Toluene-d8	8.653	98	164927	40.861	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	81.720%#
62) 4-Bromofluorobenzene	11.079	95	55471	37.529	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.060%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	157	Below Cal	#	41
5) Bromomethane	1.618	94	259	0.357	ug/l	99
10) Methyl Iodide	2.459	142	221	1.151	ug/l #	82
11) Tert butyl alcohol	3.001	59	243	Below Cal	#	73
16) Acetone	2.392	43	8329	14.375	ug/l	91
17) Carbon Disulfide	2.508	76	712	1.258	ug/l #	75
18) Methyl Acetate	2.715	43	1078	0.627	ug/l #	63
20) Methylene Chloride	2.788	84	5520	3.872	ug/l	95
25) 2-Butanone	4.580	43	2467	2.581	ug/l	90
29) Tetrahydrofuran	5.038	42	381	0.644	ug/l #	41
31) Cyclohexane	5.550	56	1847	1.267	ug/l #	51
36) 1,1-Dichloropropene	5.556	75	5223	3.546	ug/l #	49
37) Ethyl Acetate	4.727	43	11640	6.014	ug/l	96
38) Carbon Tetrachloride	5.550	117	6316	3.945	ug/l #	16
43) Isopropyl Acetate	6.342	43	49467	14.973	ug/l	98
48) Methyl methacrylate	7.799	41	45647	30.352	ug/l #	45
49) 1,4-Dioxane	7.799	88	21	0.696	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	38275	19.060	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	15302	7.748	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1790	0.882	ug/l #	43
59) 2-Hexanone	9.482	43	29482	19.236	ug/l #	51
68) m/p-Xylenes	10.311	106	357	0.205	ug/l	88
74) N-amyl acetate	10.640	43	9079	6.071	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	31927	31.109	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31927	86.079	ug/l #	11

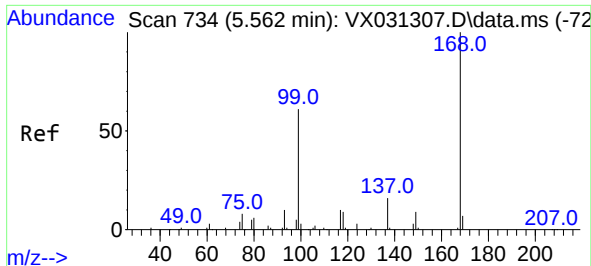
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
Data File : VX031341.D
Acq On : 15 Sep 2022 06:22
Operator : JC/MD
Sample : N4578-42
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 15 11:12:10 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

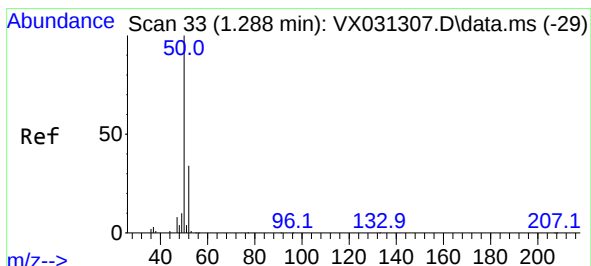
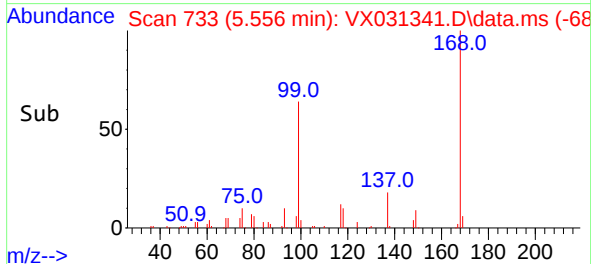
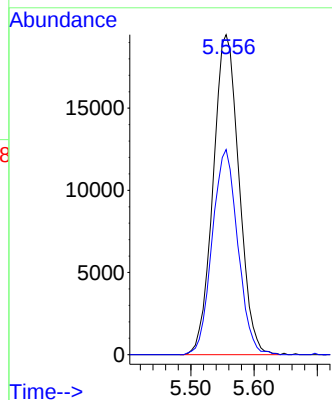
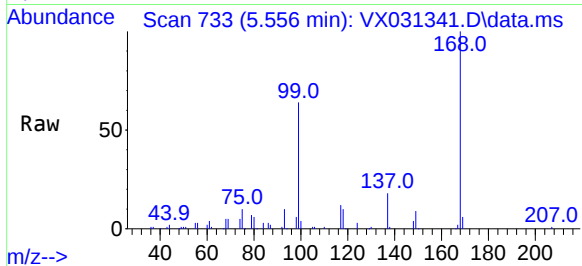




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

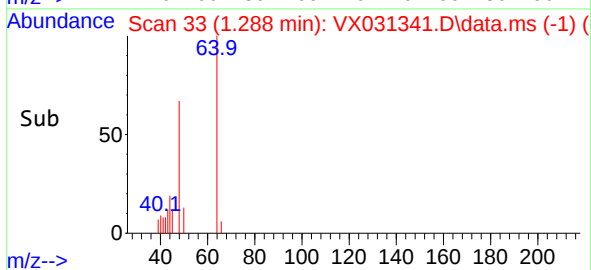
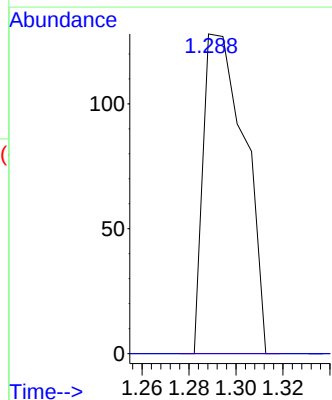
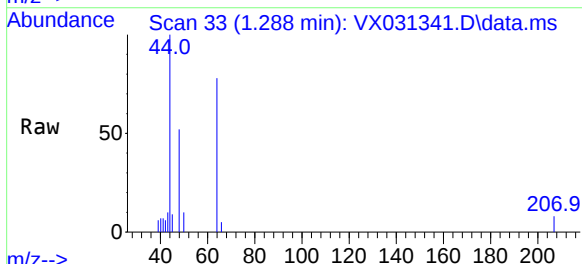
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 55296
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2

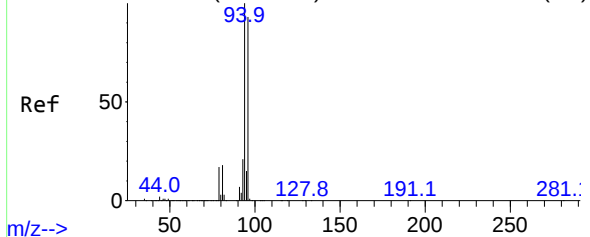


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 50 Resp: 157
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031307.D\data.ms (-80)

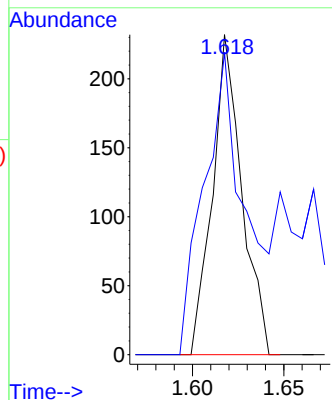
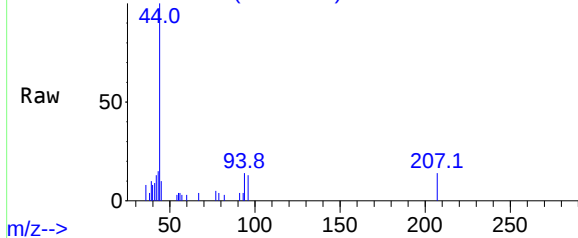


#5
Bromomethane
Concen: 0.357 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

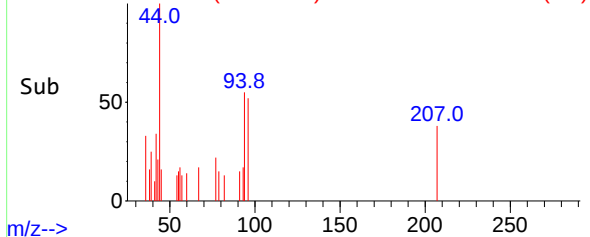
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 94.4 74.4 111.6

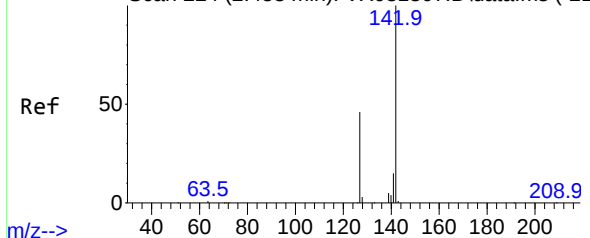
Abundance Scan 87 (1.618 min): VX031341.D\data.ms



Abundance Scan 87 (1.618 min): VX031341.D\data.ms (-37)



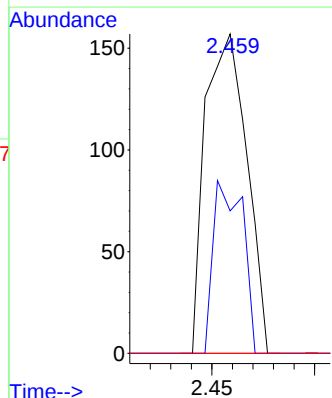
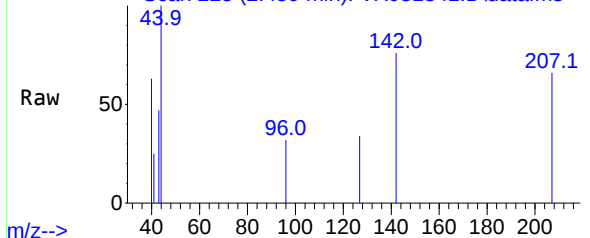
Abundance Scan 224 (2.453 min): VX031307.D\data.ms (-21)



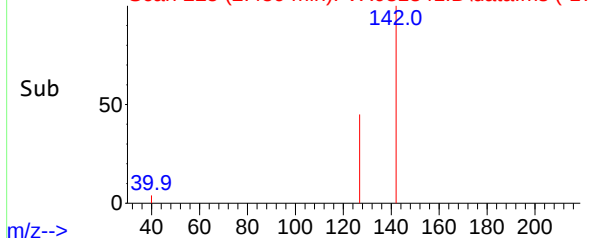
#10
Methyl Iodide
Concen: 1.151 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

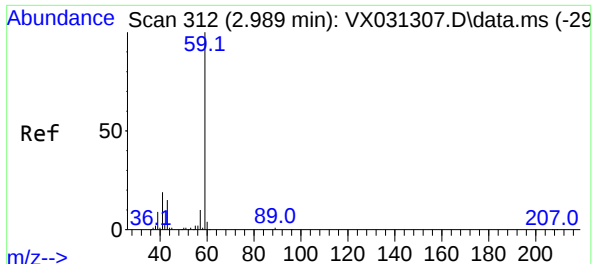
Tgt Ion: 142 Resp: 221
Ion Ratio Lower Upper
142 100
127 38.5 37.4 56.0
141 0.0 11.6 17.4#

Abundance Scan 225 (2.459 min): VX031341.D\data.ms



Abundance Scan 225 (2.459 min): VX031341.D\data.ms (-17)

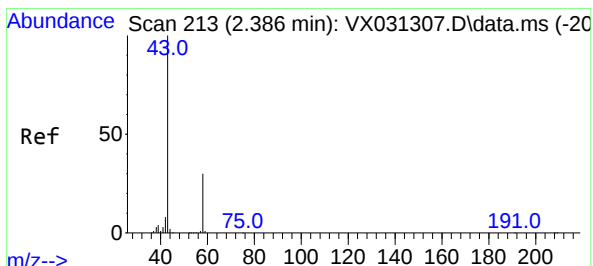
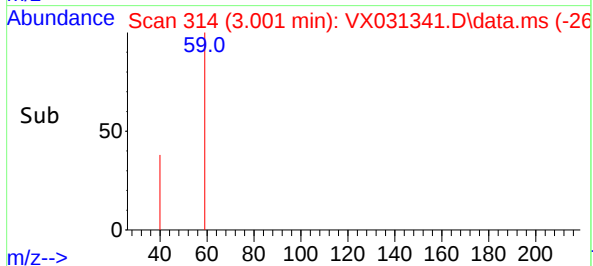
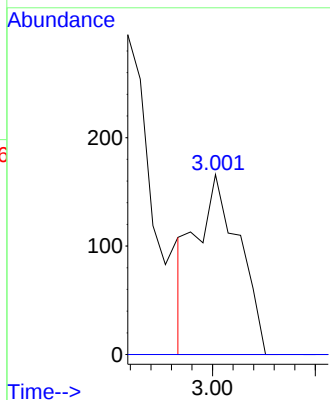
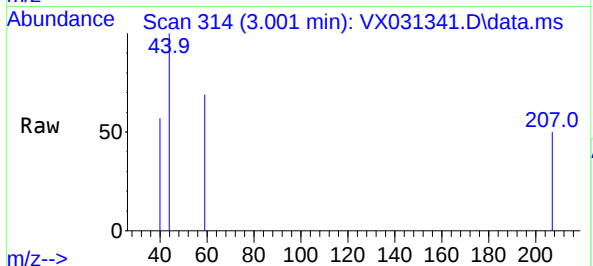




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.001 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

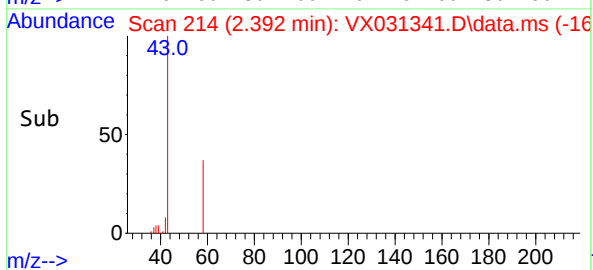
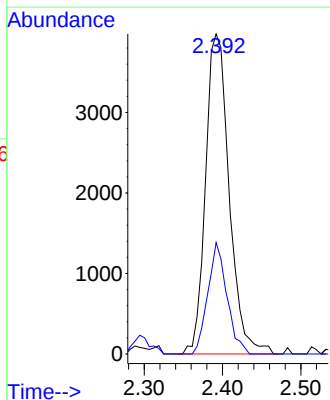
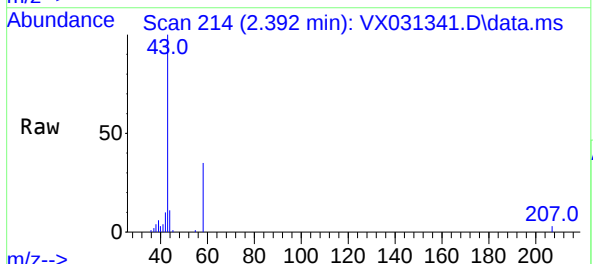
Instrument :
MSVOA_X
ClientSampleId :

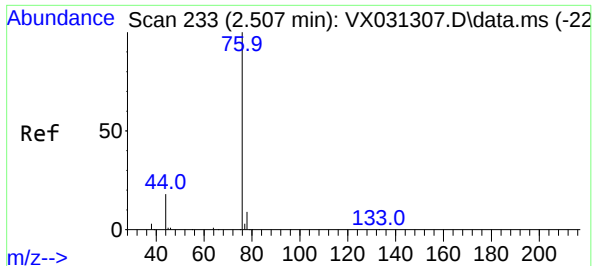
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 14.375 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

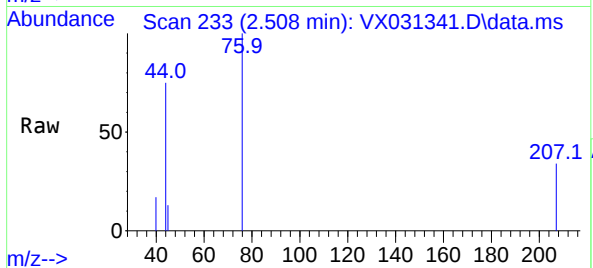
Tgt Ion: 43 Resp: 8329
Ion Ratio Lower Upper
43 100
58 34.8 23.8 35.8



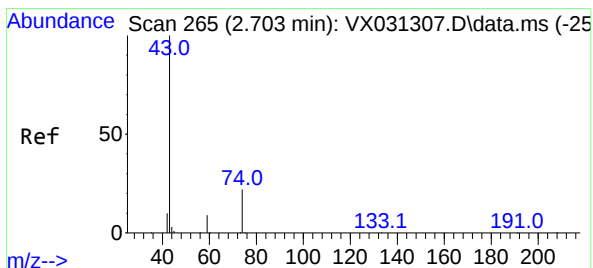
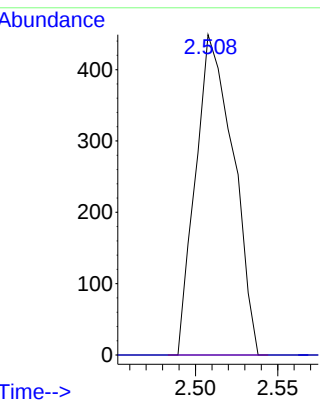
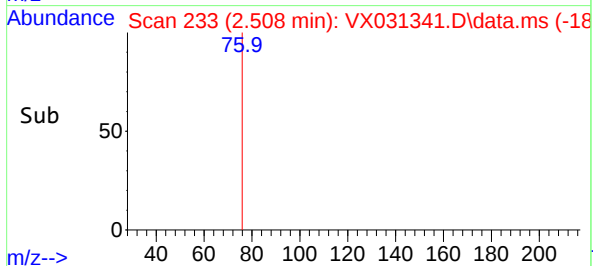


#17
Carbon Disulfide
Concen: 1.258 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

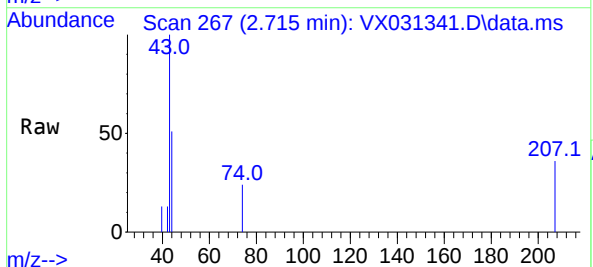
Instrument :
MSVOA_X
ClientSampleId :



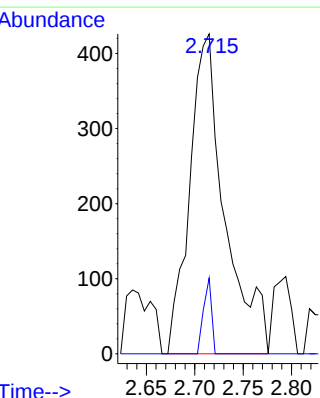
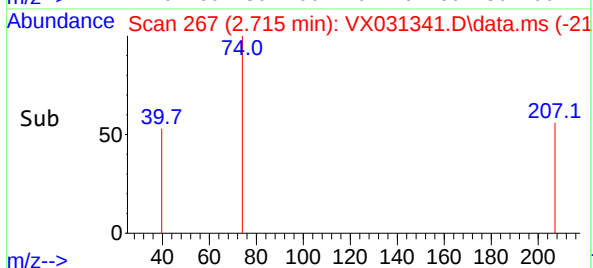
Tgt Ion: 76 Resp: 712
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

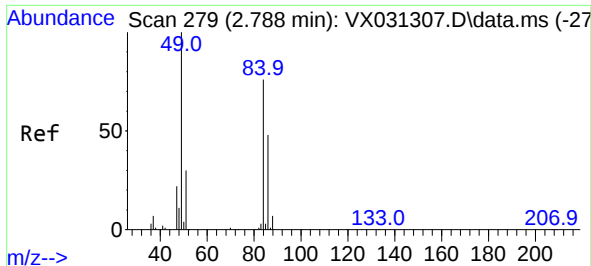


#18
Methyl Acetate
Concen: 0.627 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22



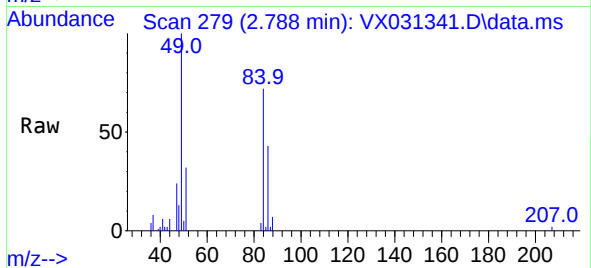
Tgt Ion: 43 Resp: 1078
Ion Ratio Lower Upper
43 100
74 5.4 18.6 27.8#





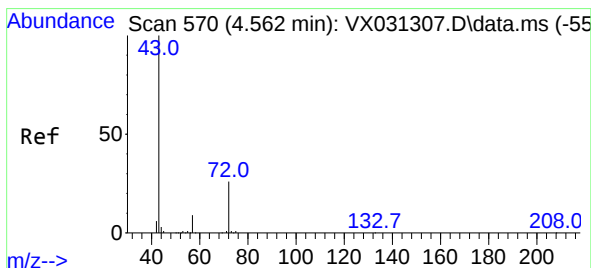
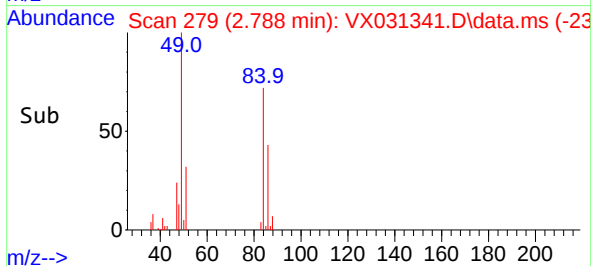
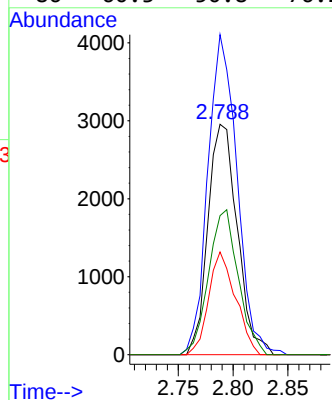
#20
Methylene Chloride
Concen: 3.872 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5520

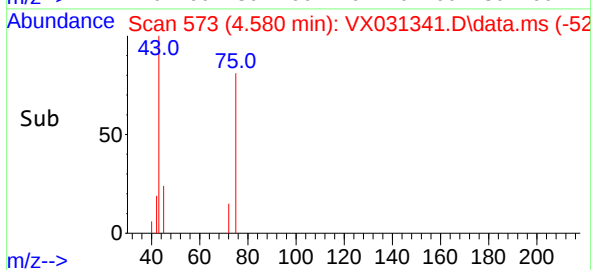
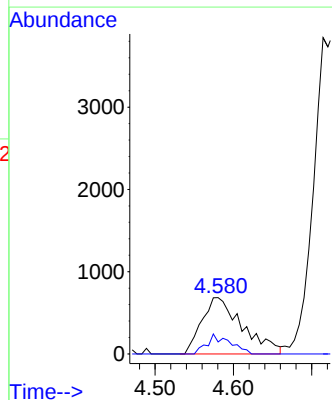
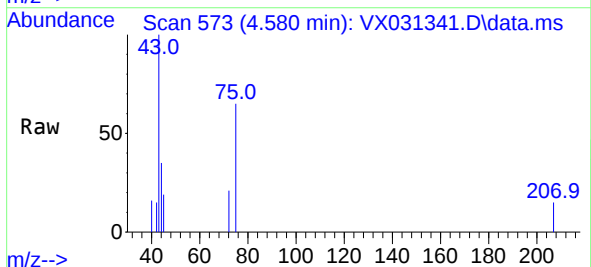
Ion	Ratio	Lower	Upper
84	100		
49	138.9	105.9	158.9
51	44.6	32.2	48.2
86	60.3	50.8	76.2

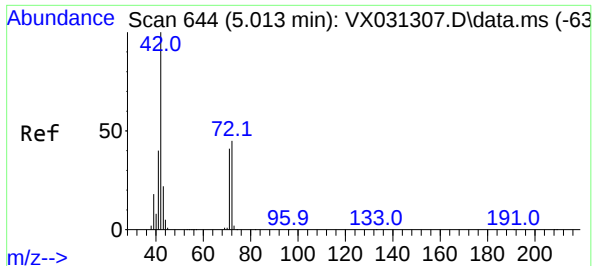


#25
2-Butanone
Concen: 2.581 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 43 Resp: 2467

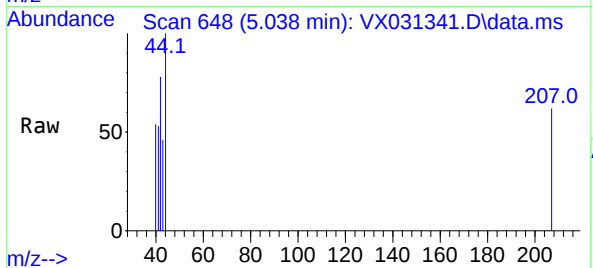
Ion	Ratio	Lower	Upper
43	100		
72	21.2	21.1	31.7



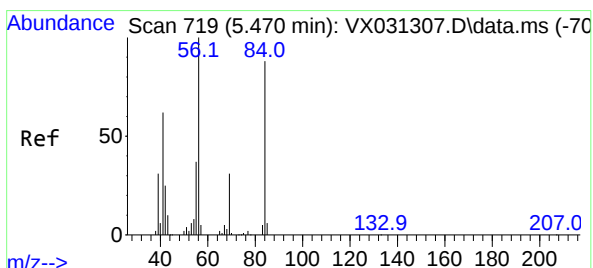
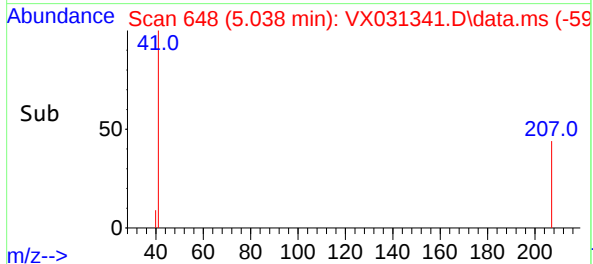
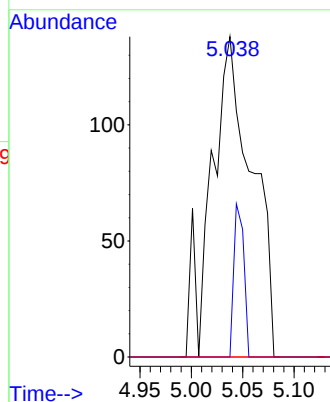


#29
Tetrahydrofuran
Concen: 0.644 ug/l
RT: 5.038 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Instrument :
MSVOA_X
ClientSampleId :

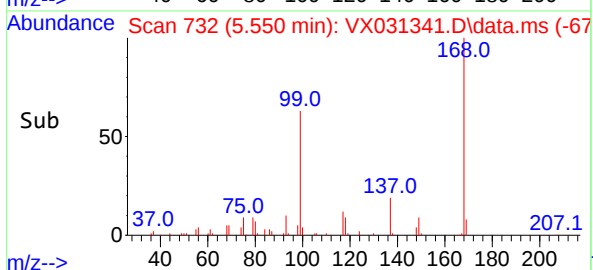
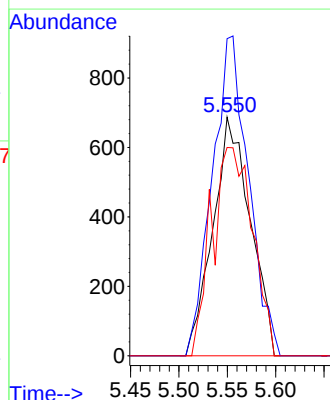
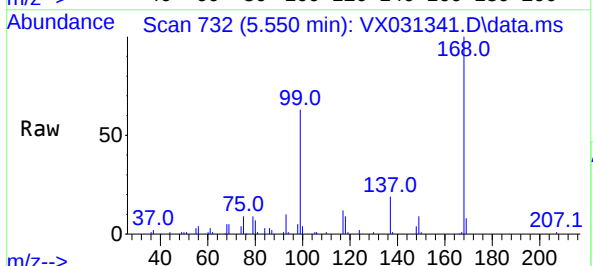


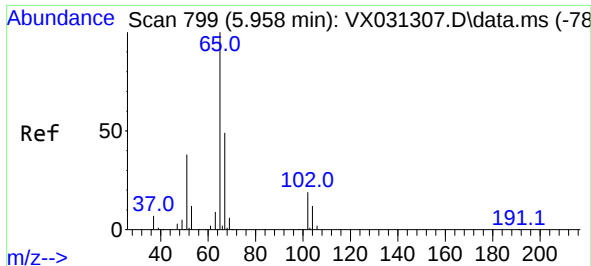
Tgt Ion: 42 Resp: 381
Ion Ratio Lower Upper
42 100
72 11.5 36.4 54.6#
71 0.0 33.5 50.3#



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 56 Resp: 1847
Ion Ratio Lower Upper
56 100
69 132.9 25.1 37.7#
84 87.3 70.2 105.4

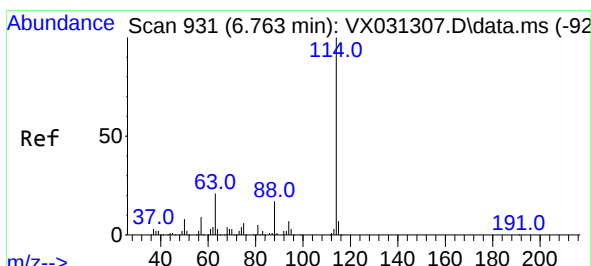
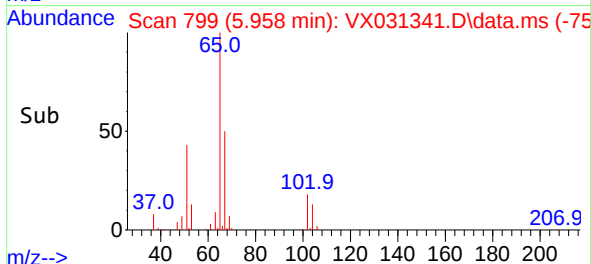
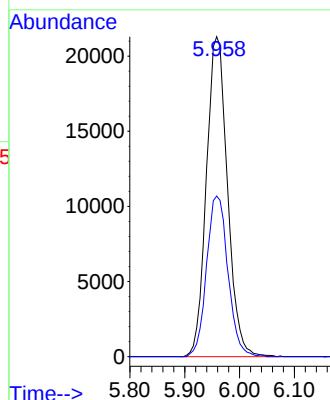
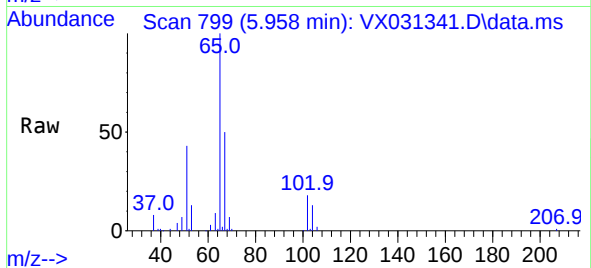




#33
 1,2-Dichloroethane-d4
 Concen: 41.913 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031341.D
 Acq: 15 Sep 2022 06:22

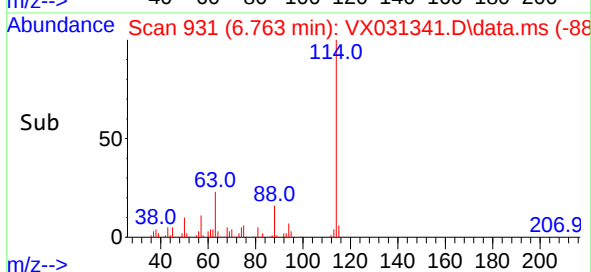
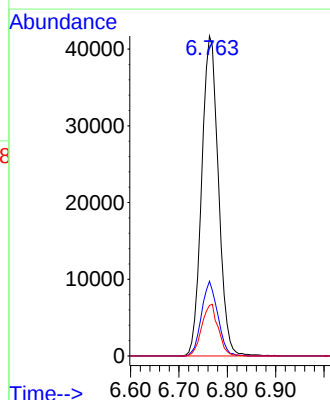
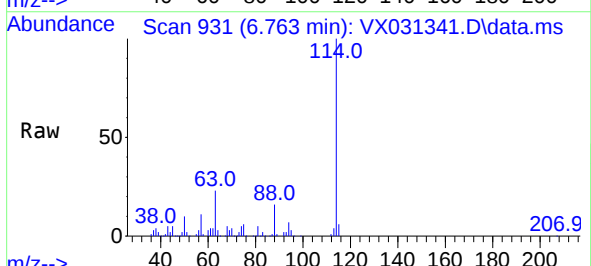
Instrument :
 MSVOA_X
 ClientSampleId :

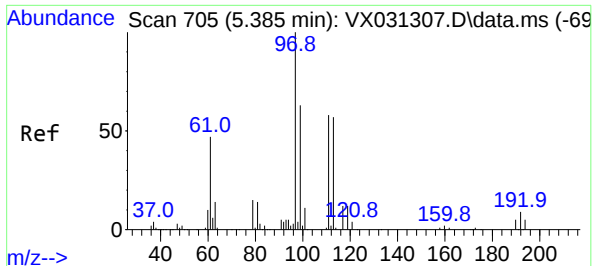
Tgt Ion: 65 Resp: 56887
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031341.D
 Acq: 15 Sep 2022 06:22

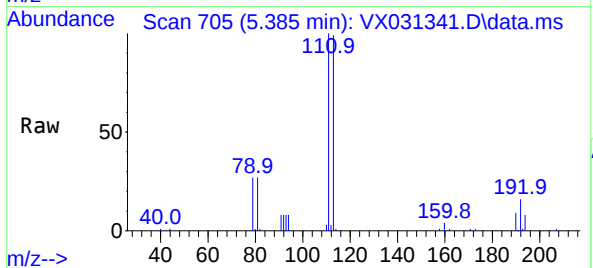
Tgt Ion: 114 Resp: 100102
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 42.6
 88 15.8 0.0 33.0



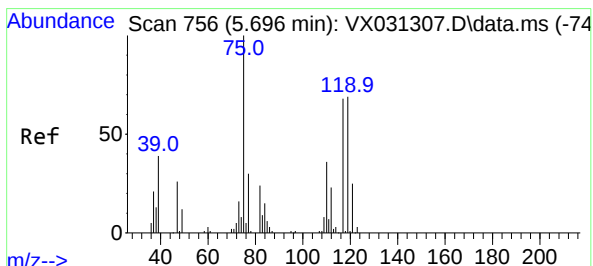
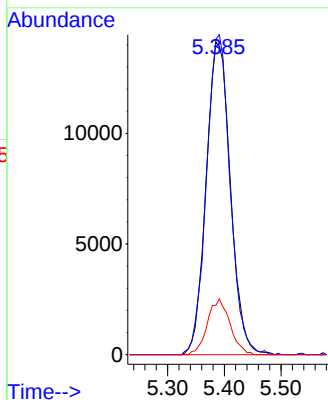
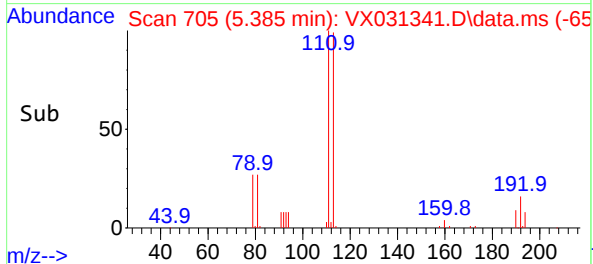


#35
Dibromofluoromethane
Concen: 38.982 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Instrument :
MSVOA_X
ClientSampleId :

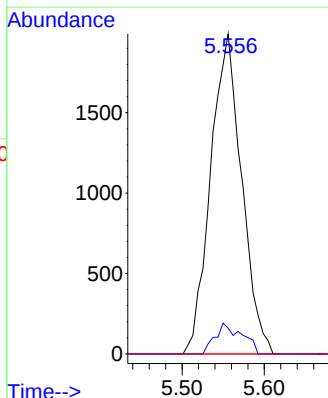
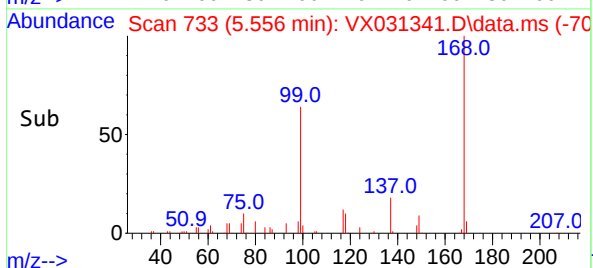
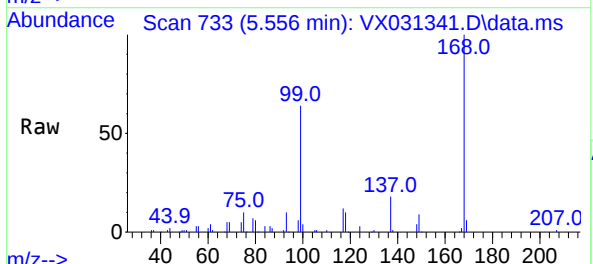


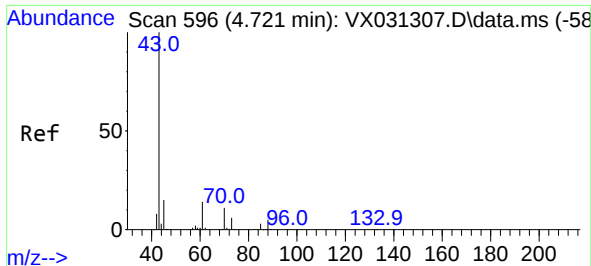
Tgt Ion:113 Resp: 41946
Ion Ratio Lower Upper
113 100
111 100.1 82.4 123.6
192 16.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.546 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 75 Resp: 5223
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.9 37.3#

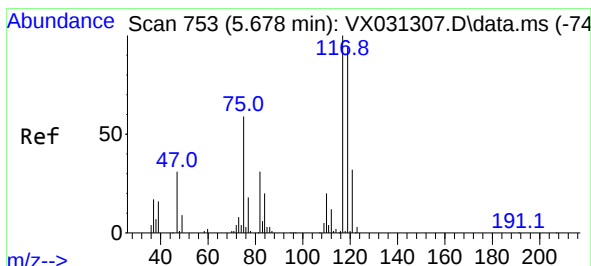
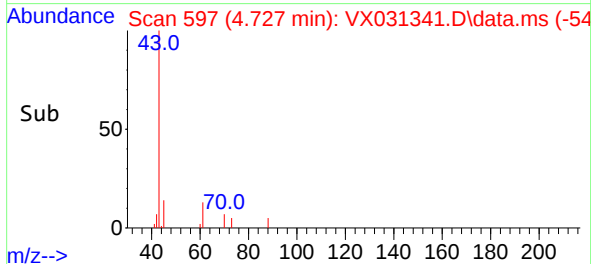
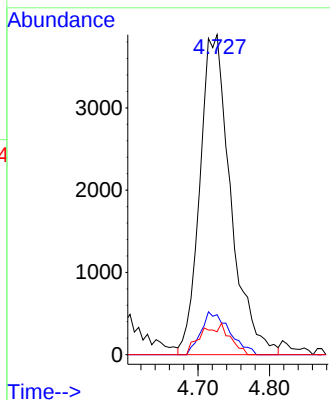
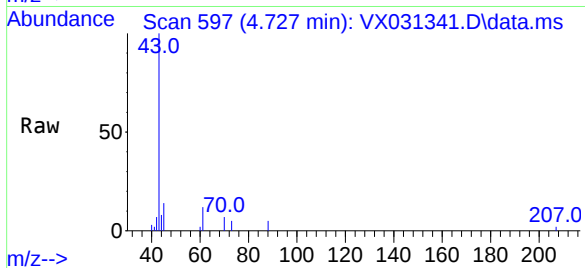




#37
Ethyl Acetate
Concen: 6.014 ug/l
RT: 4.727 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

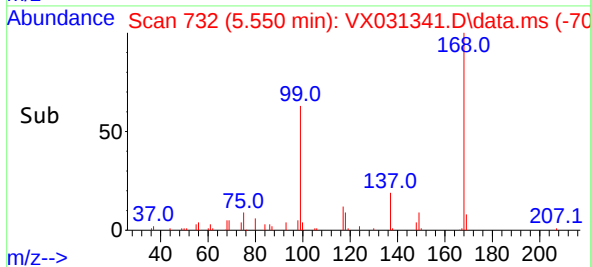
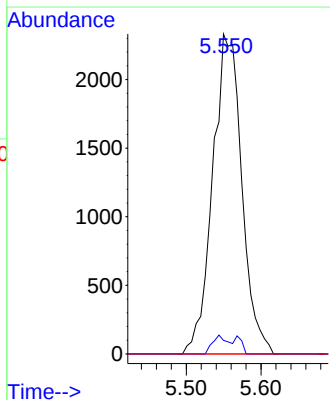
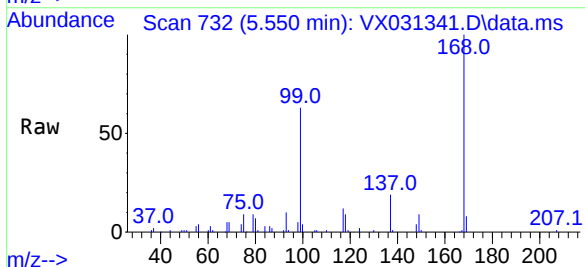
Instrument :
MSVOA_X
ClientSampleId :

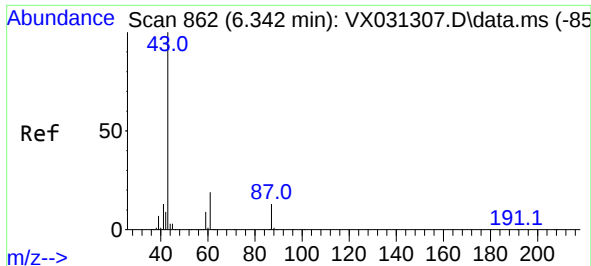
Tgt Ion: 43 Resp: 11640
Ion Ratio Lower Upper
43 100
61 12.4 11.1 16.7
70 8.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 3.945 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 117 Resp: 6316
Ion Ratio Lower Upper
117 100
119 4.2 74.6 112.0#
121 0.0 25.3 37.9#

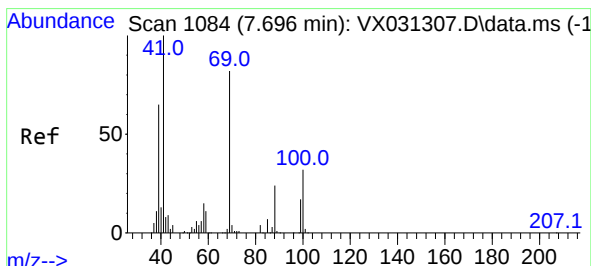
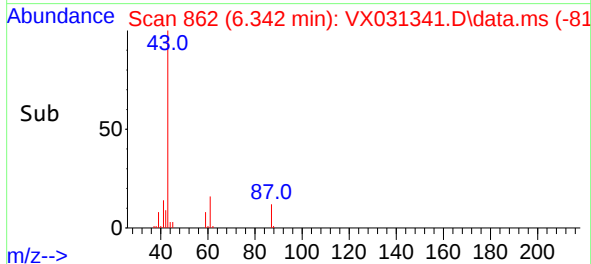
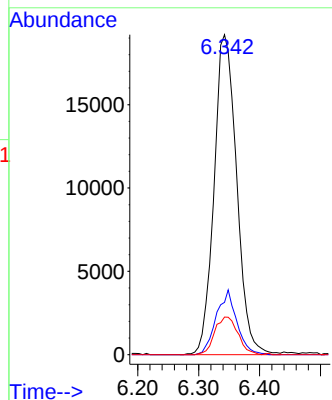
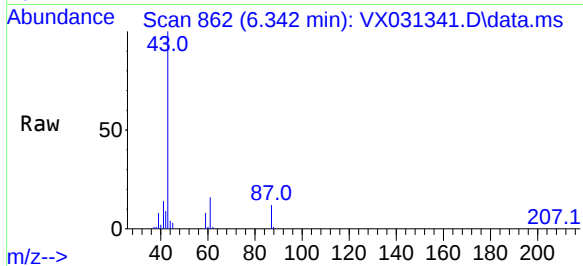




#43
Isopropyl Acetate
Concen: 14.973 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

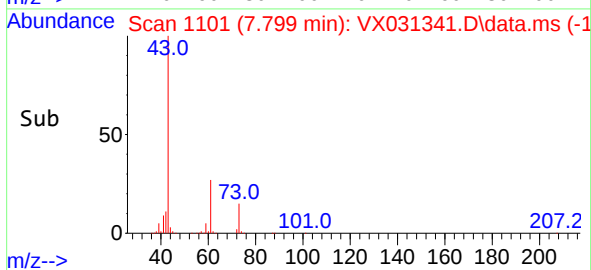
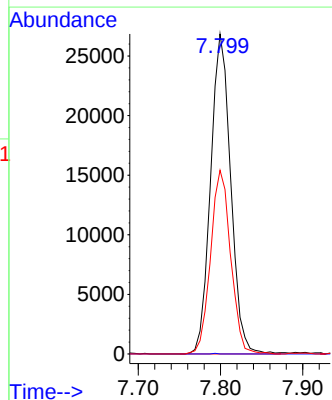
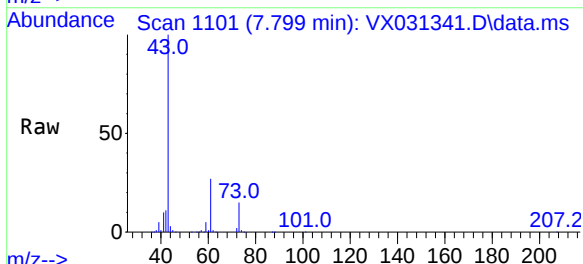
Instrument :
MSVOA_X
ClientSampleId :

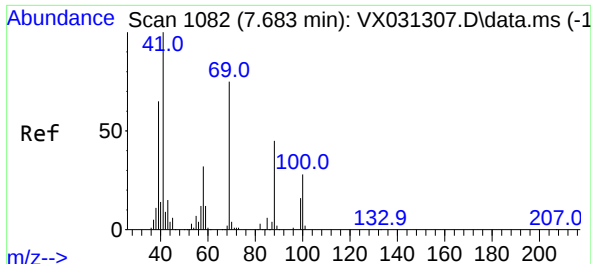
Tgt Ion: 43 Resp: 49467
Ion Ratio Lower Upper
43 100
61 18.4 15.3 22.9
87 12.1 10.6 15.8



#48
Methyl methacrylate
Concen: 30.352 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 41 Resp: 45647
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 57.3 51.4 77.0





#49

1,4-Dioxane

Concen: 0.696 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.116 min

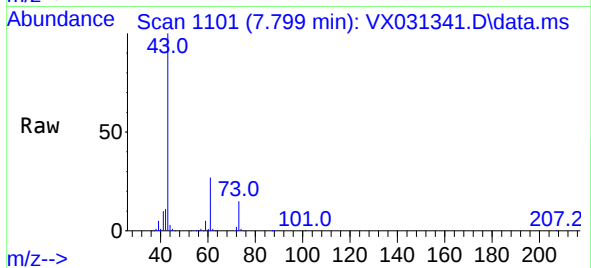
Lab File: VX031341.D

Acq: 15 Sep 2022 06:22

Instrument :

MSVOA_X

ClientSampleId :



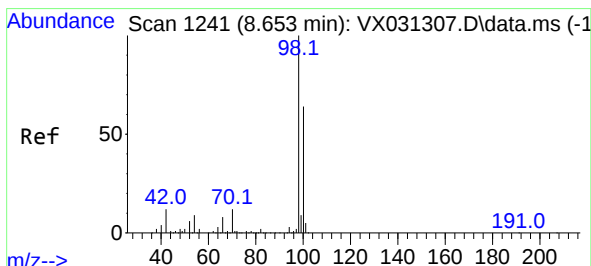
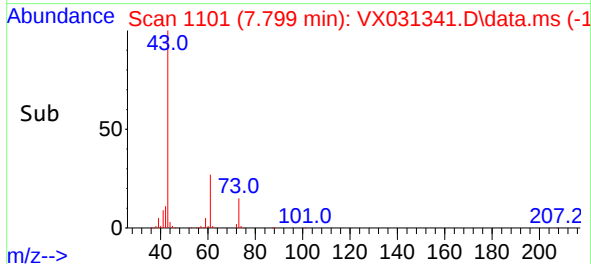
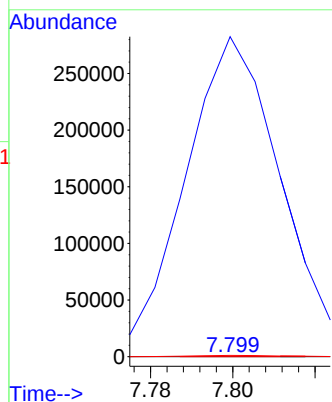
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 2218842.9 27.1 40.7#

58 8352.4 53.9 80.9#



#50

Toluene-d8

Concen: 40.861 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031341.D

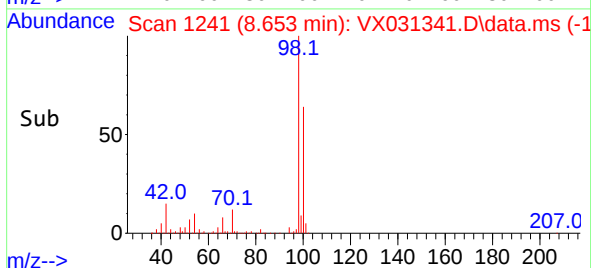
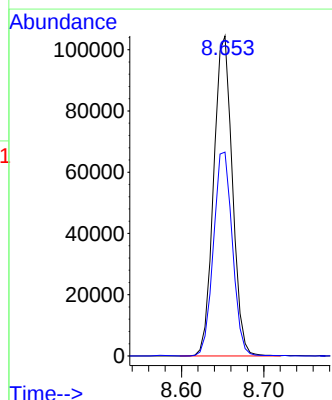
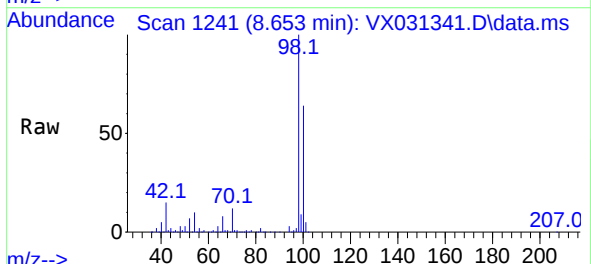
Acq: 15 Sep 2022 06:22

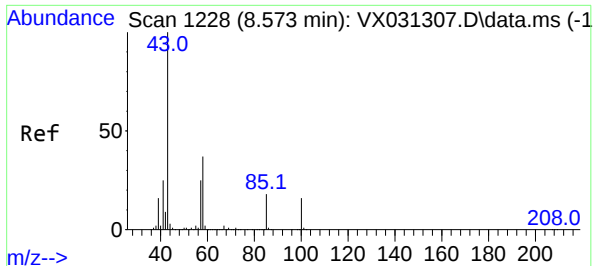
Tgt Ion: 98 Resp: 164927

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 19.060 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031341.D

Acq: 15 Sep 2022 06:22

Instrument :

MSVOA_X

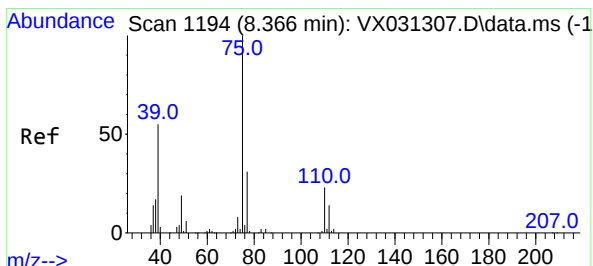
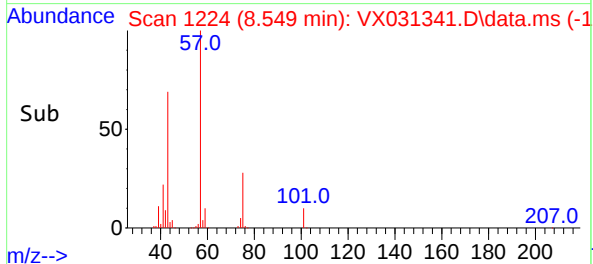
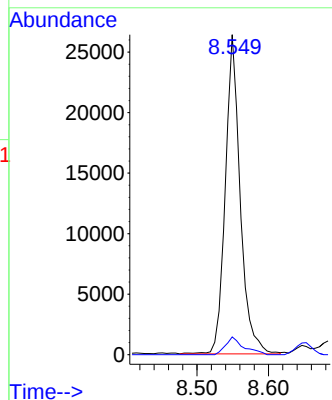
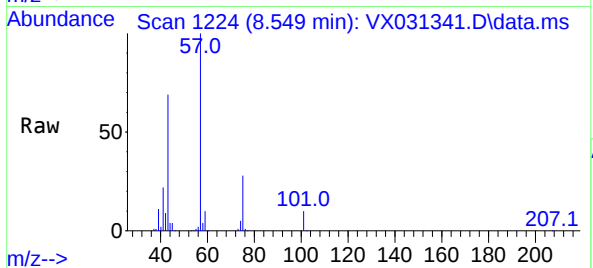
ClientSampleId :

Tgt Ion: 43 Resp: 38275

Ion Ratio Lower Upper

43 100

58 6.7 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.748 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031341.D

Acq: 15 Sep 2022 06:22

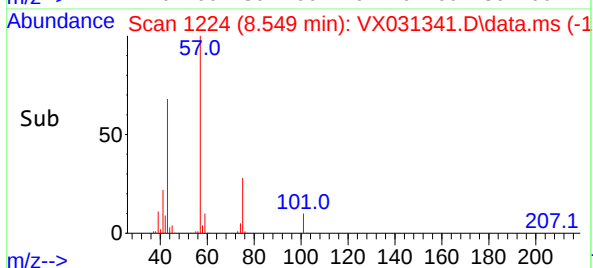
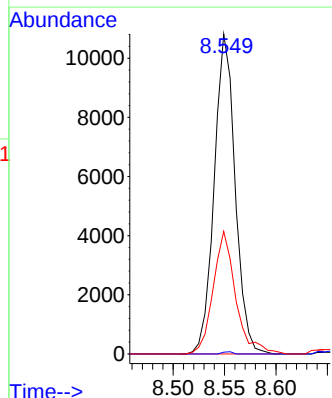
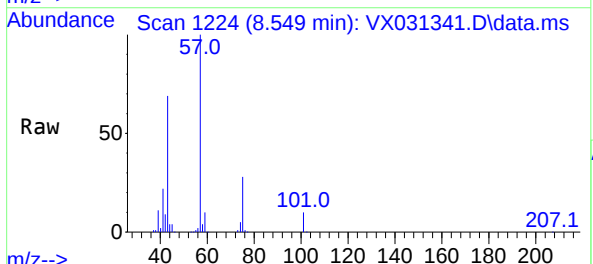
Tgt Ion: 75 Resp: 15302

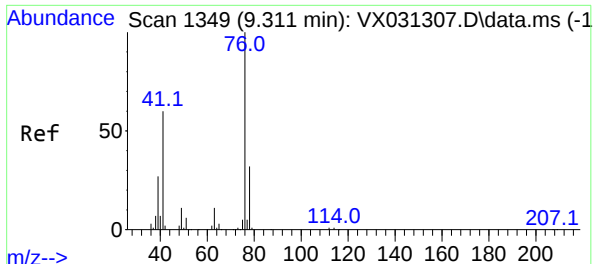
Ion Ratio Lower Upper

75 100

77 0.6 24.4 36.6#

39 38.3 43.7 65.5#

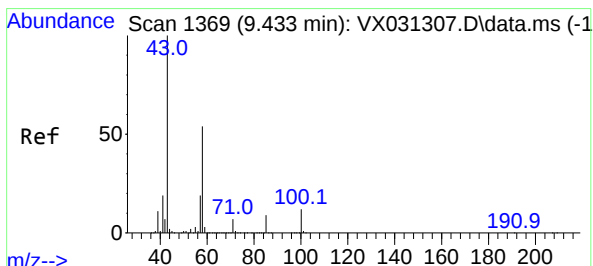
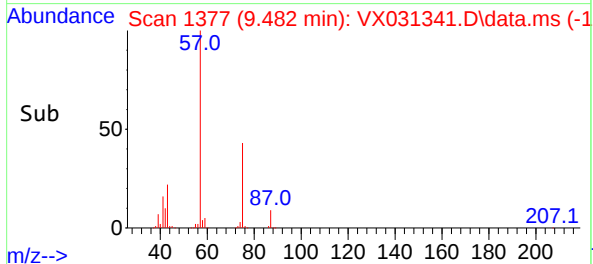
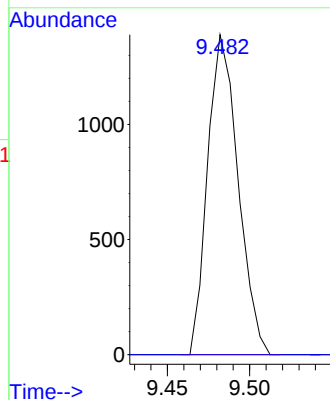
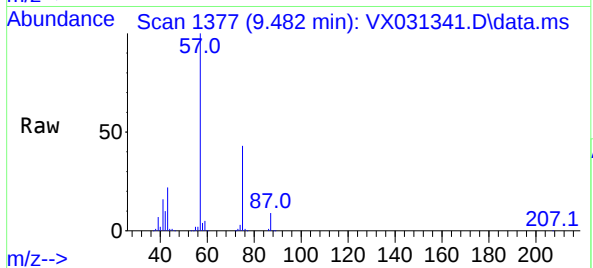




#57
1,3-Dichloropropane
Concen: 0.882 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

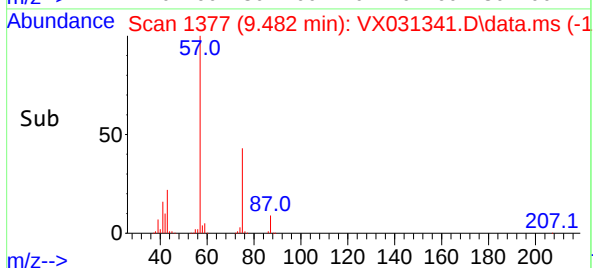
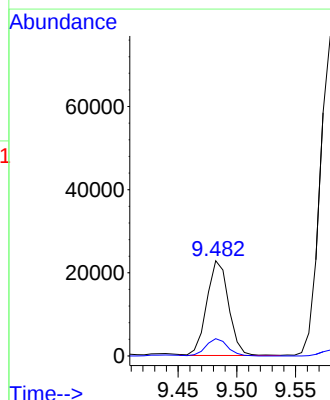
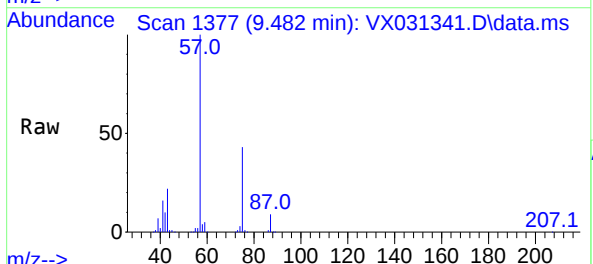
Instrument :
MSVOA_X
ClientSampleId :

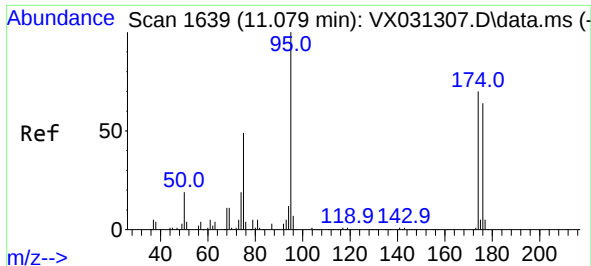
Tgt Ion: 76 Resp: 1790
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 19.236 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 43 Resp: 29482
Ion Ratio Lower Upper
43 100
58 18.1 26.7 80.0#

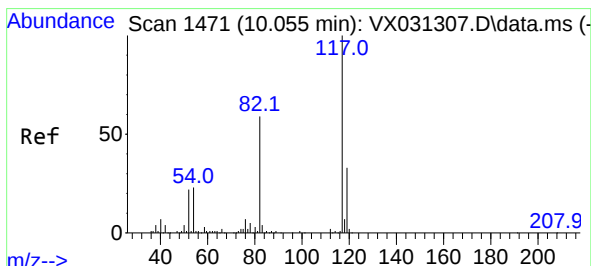
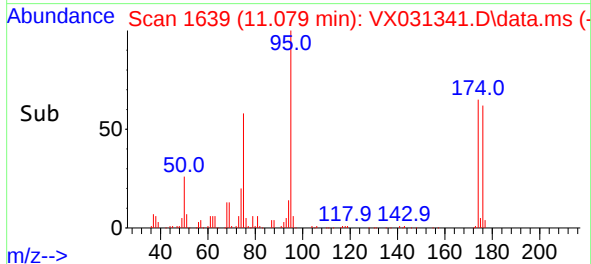
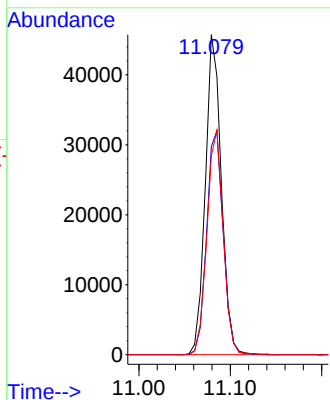
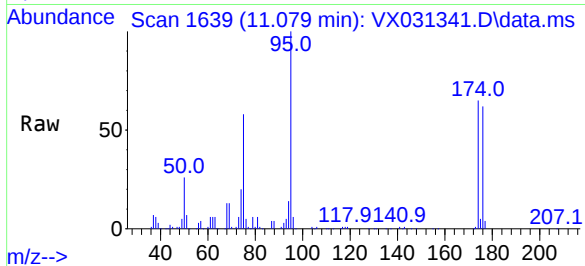




#62
4-Bromofluorobenzene
Concen: 37.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

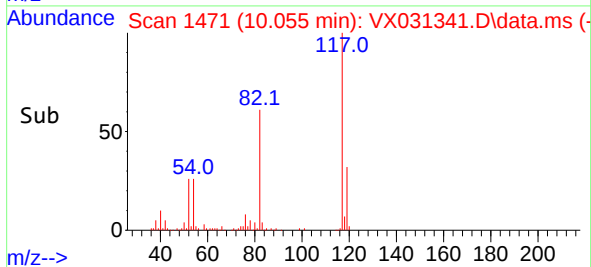
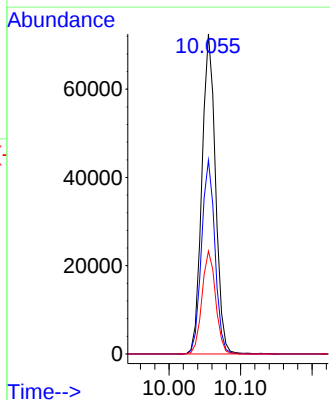
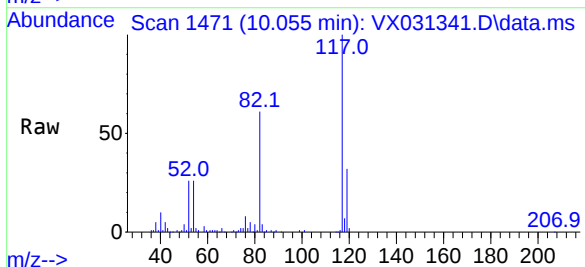
Instrument :
MSVOA_X
ClientSampleId :

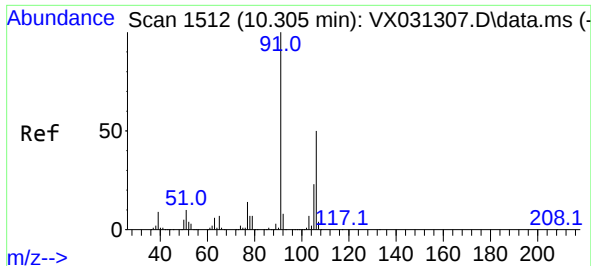
Tgt Ion: 95 Resp: 55471
Ion Ratio Lower Upper
95 100
174 72.5 0.0 153.2
176 71.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Tgt Ion: 117 Resp: 95688
Ion Ratio Lower Upper
117 100
82 60.6 46.8 70.2
119 32.1 26.4 39.6

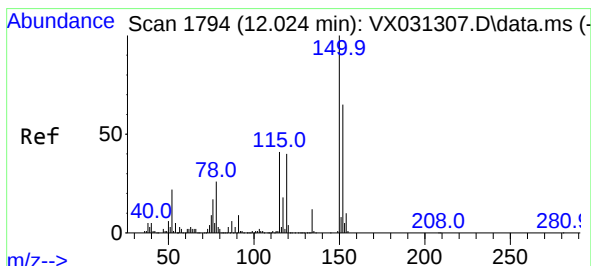
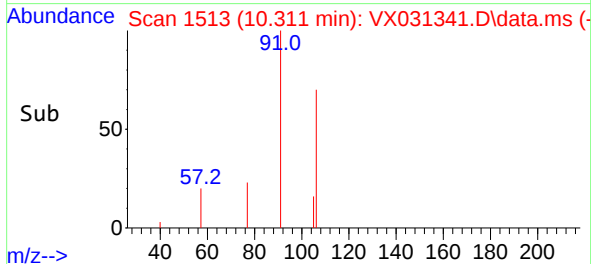
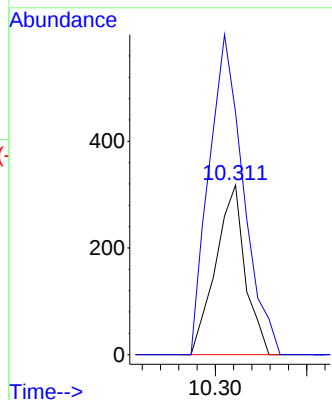
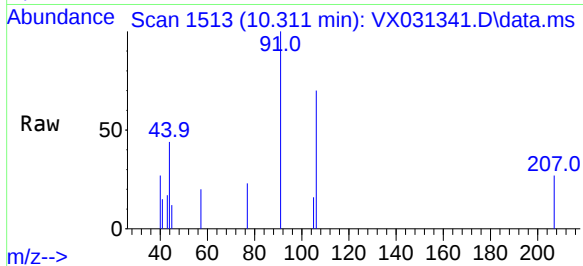




#68
m/p-Xylenes
Concen: 0.205 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

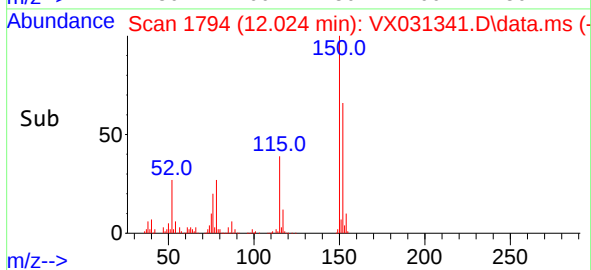
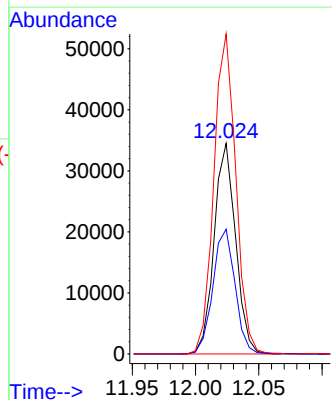
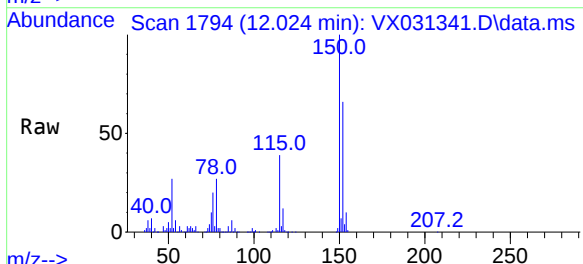
Instrument :
MSVOA_X
ClientSampleId :

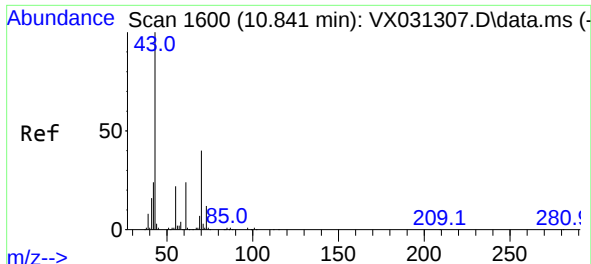
Tgt Ion:106 Resp: 357
Ion Ratio Lower Upper
106 100
91 219.6 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

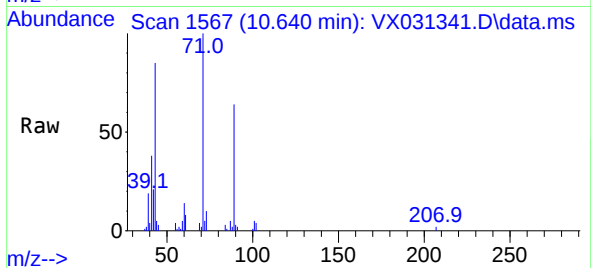
Tgt Ion:152 Resp: 40726
Ion Ratio Lower Upper
152 100
115 61.1 43.4 130.1
150 155.4 0.0 346.8



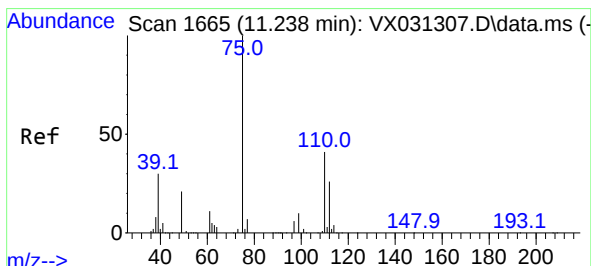
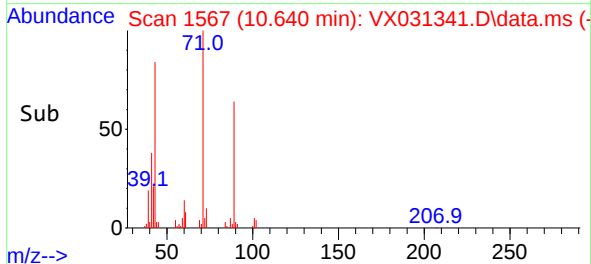
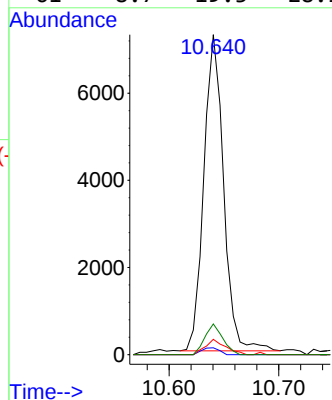


#74
N-amy1 acetate
Concen: 6.071 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

Instrument :
MSVOA_X
ClientSampleId :

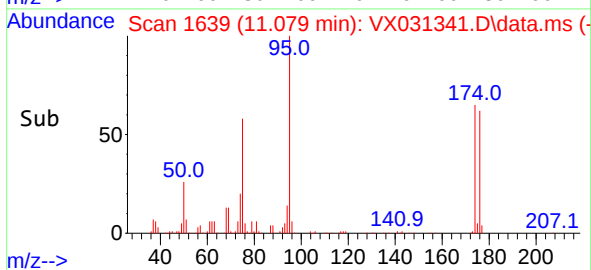
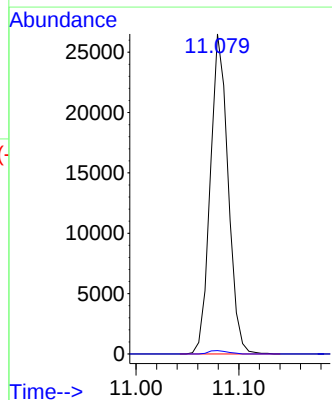
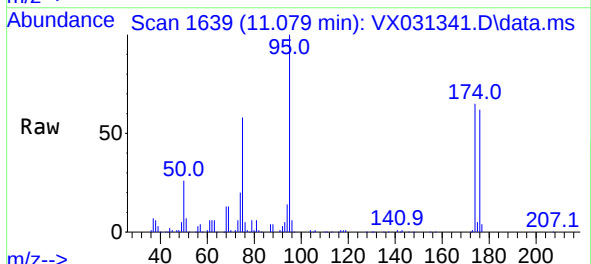


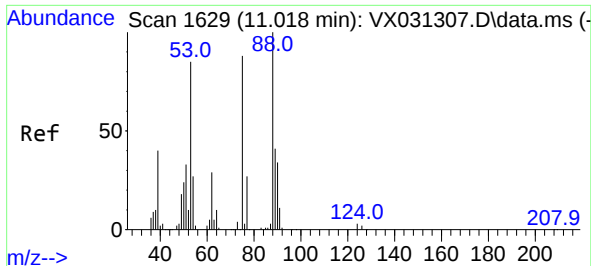
Tgt Ion: 43 Resp: 9079
Ion Ratio Lower Upper
43 100
70 1.9 33.4 50.2#
55 5.0 18.2 27.2#
61 8.7 19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 31.109 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031341.D
Acq: 15 Sep 2022 06:22

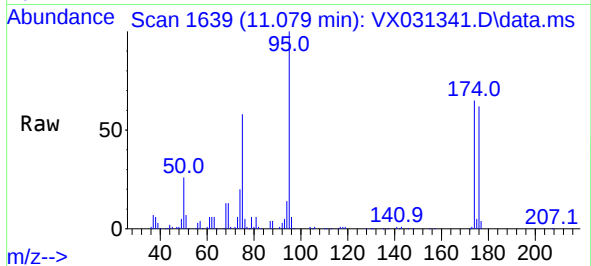
Tgt Ion: 75 Resp: 31927
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.079 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031341.D
 Acq: 15 Sep 2022 06:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31927
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

