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 Data File : VX031382.D
 Acq On : 16 Sep 2022 03:29
 Operator : JC/MD
 Sample : N4509-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

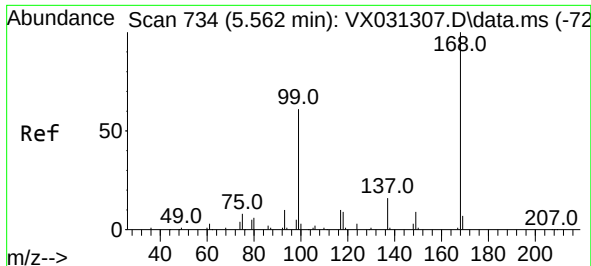
Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_112D-20220902

Quant Time: Sep 16 08:46:30 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	95432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119085	50.839	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.680%	
35) Dibromofluoromethane	5.391	113	97683	56.600	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.200%	
50) Toluene-d8	8.647	98	366220	56.569	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.140%#	
62) 4-Bromofluorobenzene	11.079	95	115389	48.673	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	326	Below Cal	#	41
5) Bromomethane	1.618	94	678	0.542	ug/l	89
6) Chloroethane	1.636	64	420	0.339	ug/l #	43
10) Methyl Iodide	2.459	142	428	1.181	ug/l #	73
11) Tert butyl alcohol	2.947	59	2208	Below Cal	#	73
16) Acetone	2.392	43	11481	11.481	ug/l	98
17) Carbon Disulfide	2.514	76	601	1.065	ug/l #	75
18) Methyl Acetate	2.703	43	2360	0.796	ug/l	92
20) Methylene Chloride	2.788	84	4646	0.603	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	95	Below Cal	#	49
25) 2-Butanone	4.581	43	2085	1.264	ug/l #	81
31) Cyclohexane	5.556	56	2478	0.985	ug/l #	37
36) 1,1-Dichloropropene	5.556	75	7931	3.357	ug/l #	46
37) Ethyl Acetate	4.727	43	15213	4.901	ug/l	97
38) Carbon Tetrachloride	5.556	117	9764	3.803	ug/l #	17
43) Isopropyl Acetate	6.342	43	67770	12.790	ug/l	98
48) Methyl methacrylate	7.799	41	61716	25.585	ug/l #	46
49) 1,4-Dioxane	7.799	88	68	1.406	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53105	16.488	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	22725	7.174	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	2809	0.863	ug/l #	43
59) 2-Hexanone	9.482	43	40170	16.341	ug/l #	52
74) N-amyl acetate	10.640	43	13588	5.482	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	66373	39.021	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	66373	107.972	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.591	180	299	0.250	ug/l #	76
94) Hexachlorobutadiene	13.725	225	149	0.319	ug/l #	61

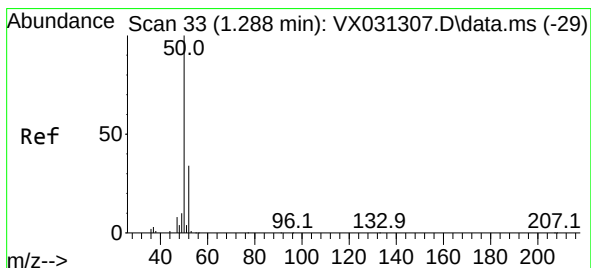
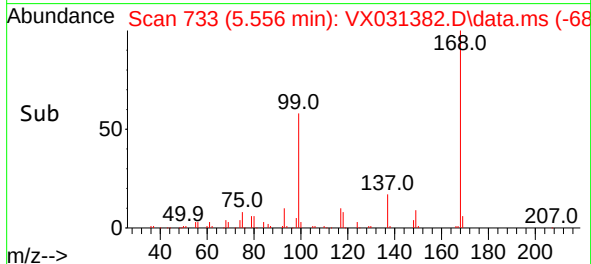
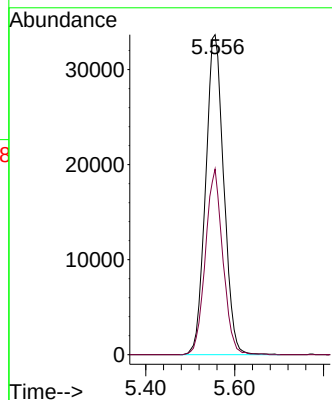
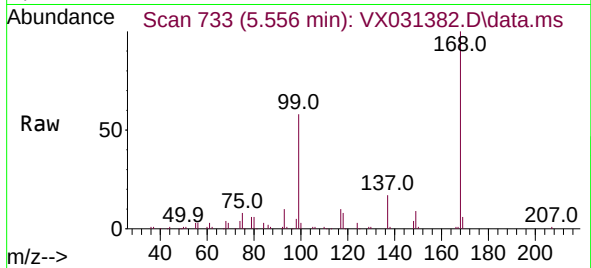
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

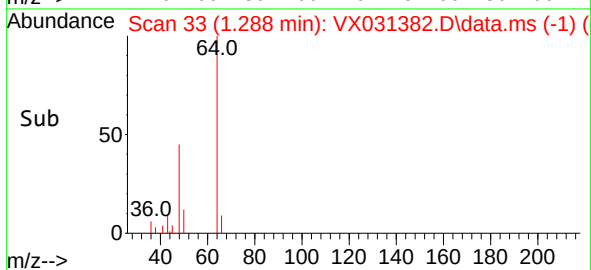
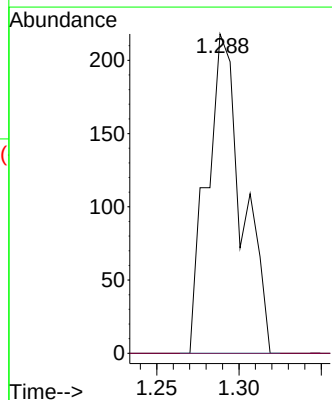
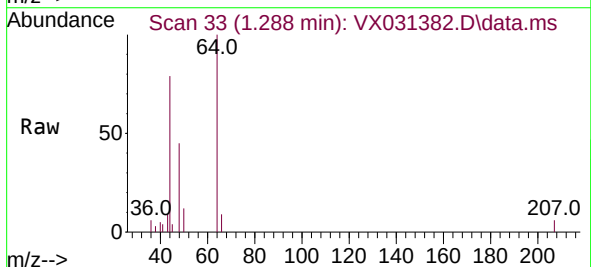
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

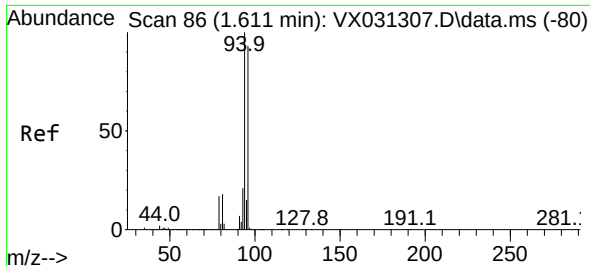
Tgt Ion:168 Resp: 95432
Ion Ratio Lower Upper
168 100
99 58.0 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 50 Resp: 326
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

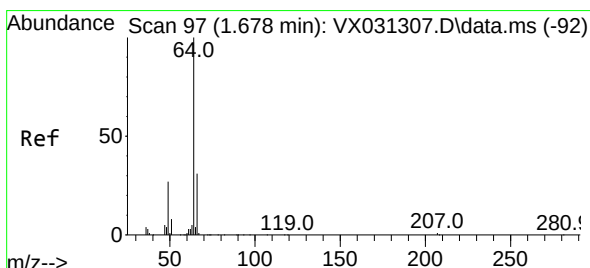
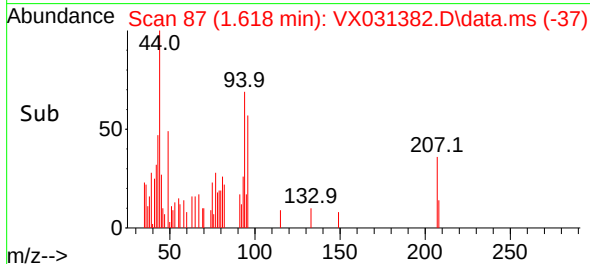
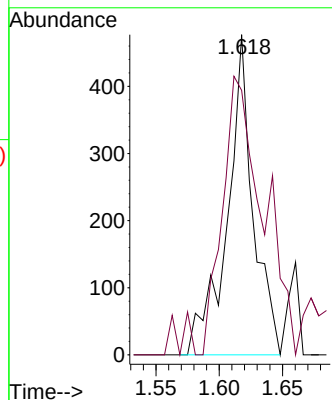
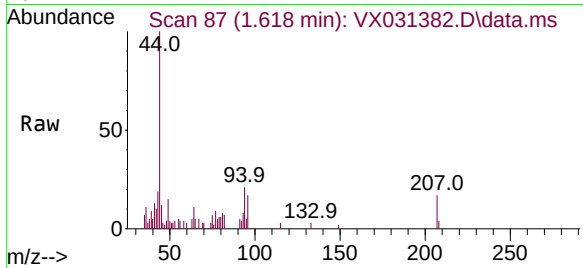




#5
Bromomethane
Concen: 0.542 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

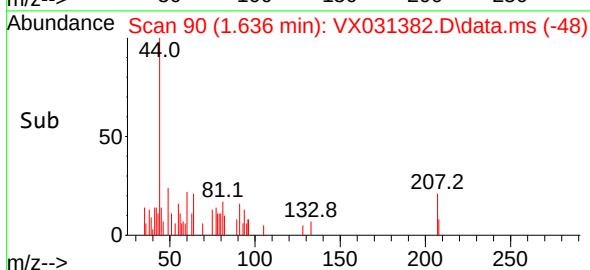
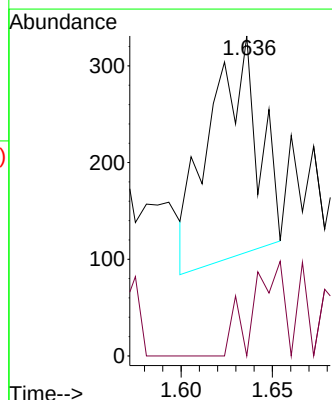
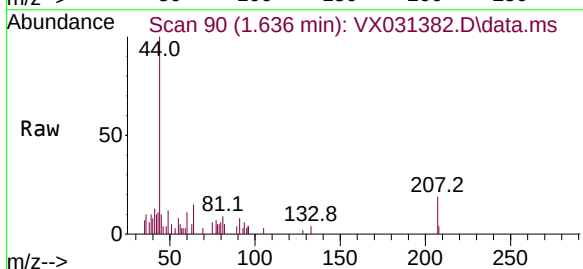
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

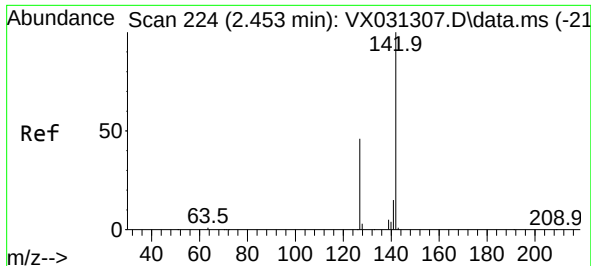
Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 82.6 74.4 111.6



#6
Chloroethane
Concen: 0.339 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

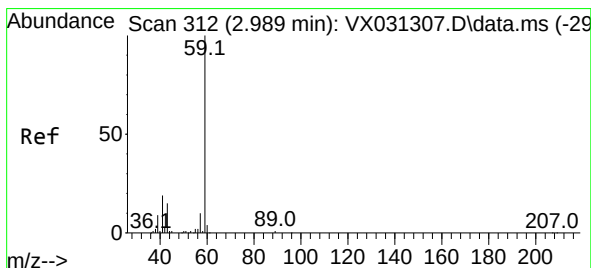
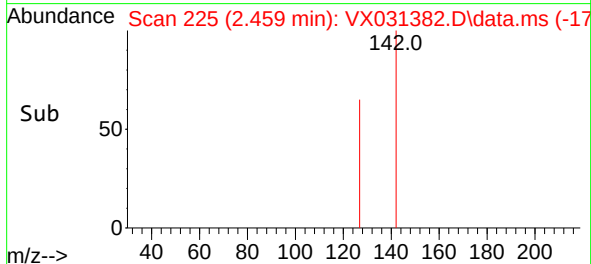
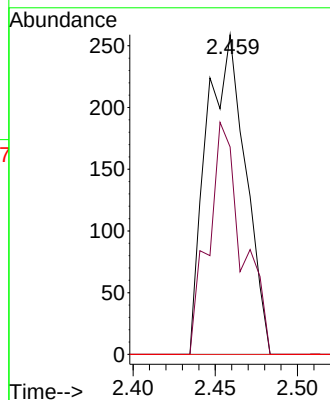
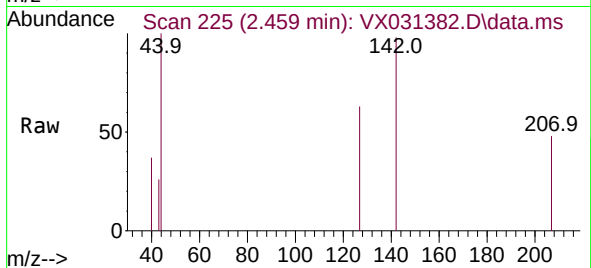




#10
Methyl Iodide
Concen: 1.181 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

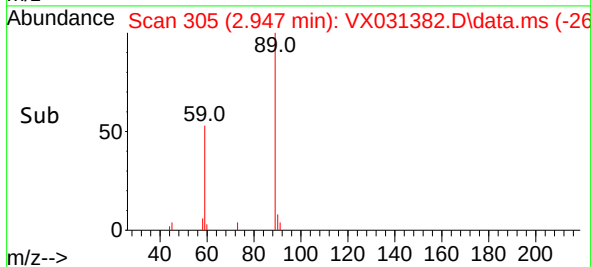
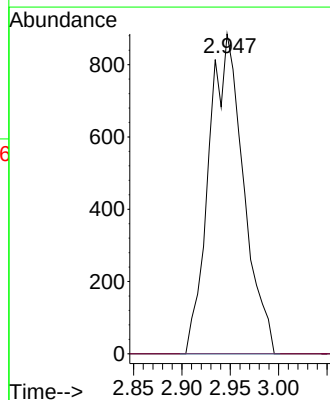
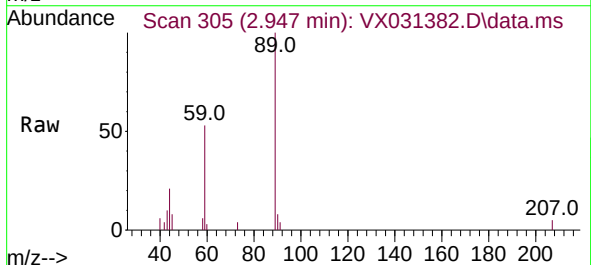
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

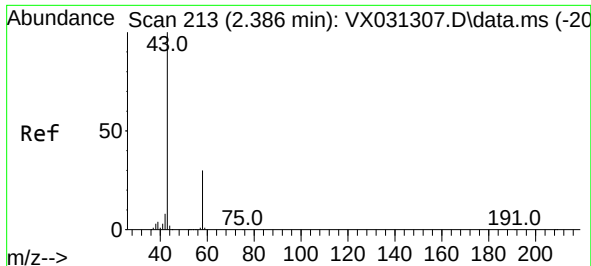
Tgt Ion:142 Resp: 428
Ion Ratio Lower Upper
142 100
127 62.9 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 59 Resp: 2208
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 11.481 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031382.D

Acq: 16 Sep 2022 03:29

Instrument :

MSVOA_X

ClientSampleId :

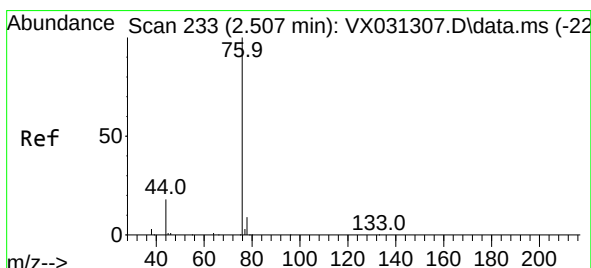
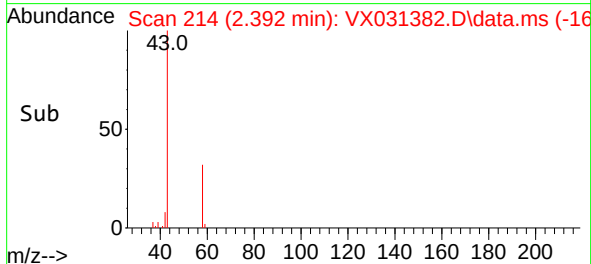
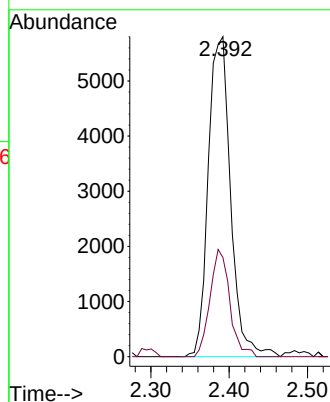
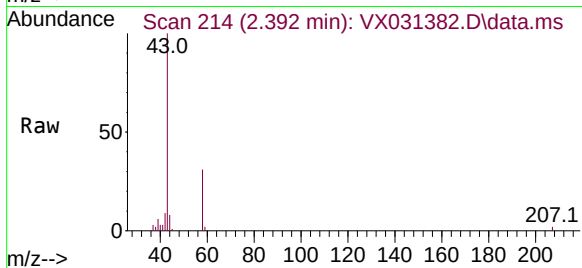
S1-SO_112D-20220902

Tgt Ion: 43 Resp: 11481

Ion Ratio Lower Upper

43 100

58 31.0 23.8 35.8



#17

Carbon Disulfide

Concen: 1.065 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX031382.D

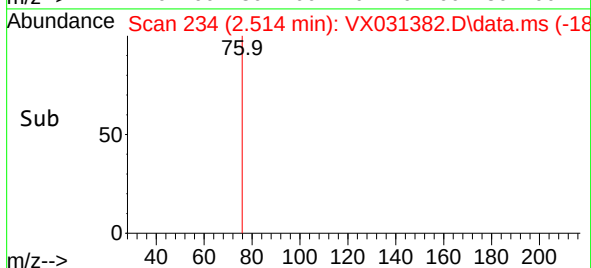
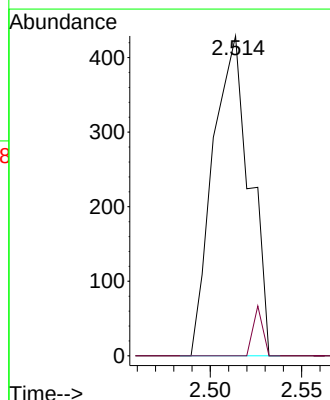
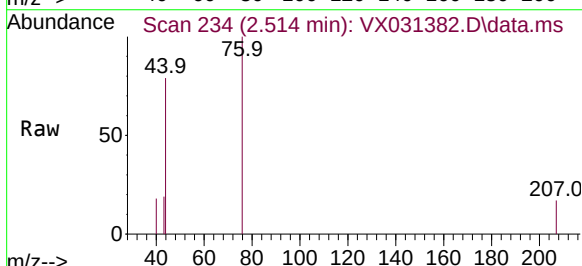
Acq: 16 Sep 2022 03:29

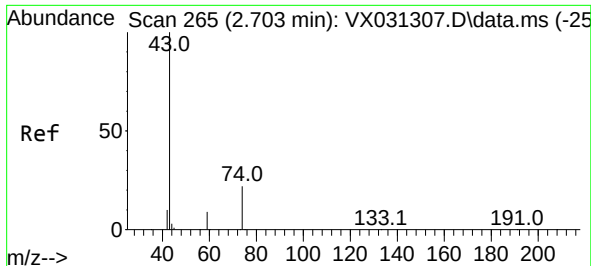
Tgt Ion: 76 Resp: 601

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

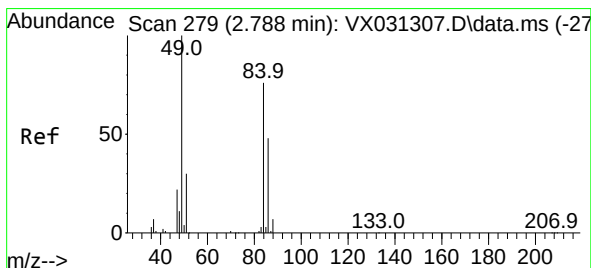
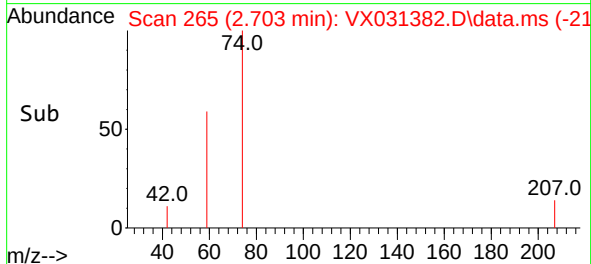
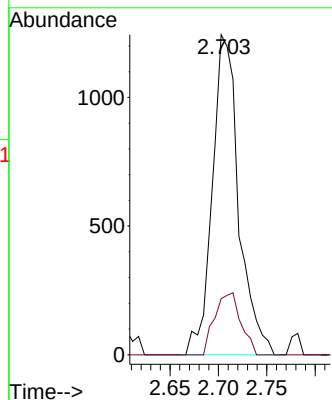
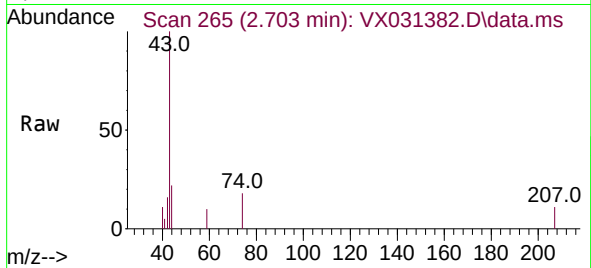




#18
Methyl Acetate
Concen: 0.796 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

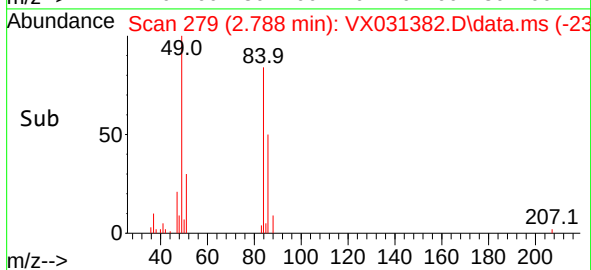
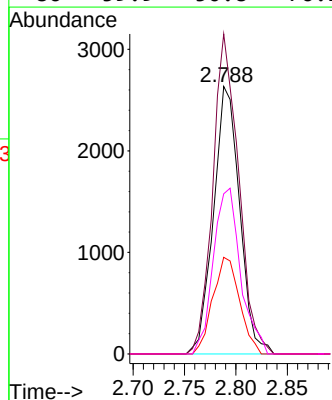
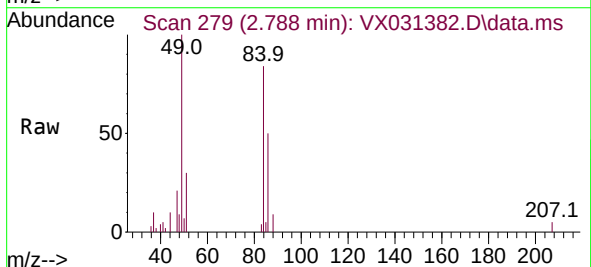
Instrument :
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S1-SO_112D-20220902

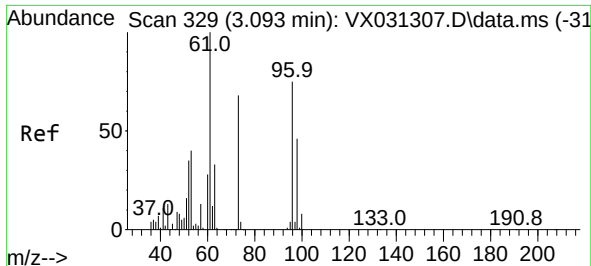
Tgt Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
74 19.1 18.6 27.8



#20
Methylene Chloride
Concen: 0.603 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 84 Resp: 4646
Ion Ratio Lower Upper
84 100
49 119.6 105.9 158.9
51 36.1 32.2 48.2
86 59.9 50.8 76.2

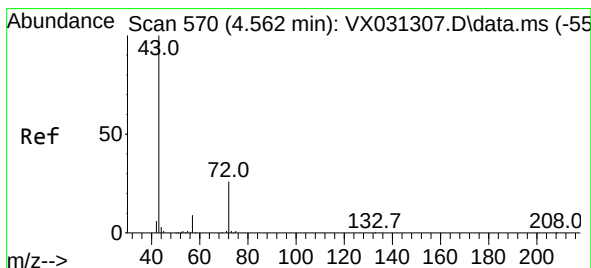
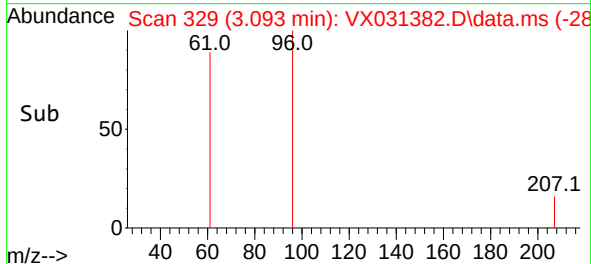
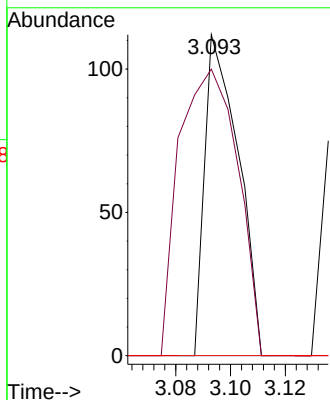
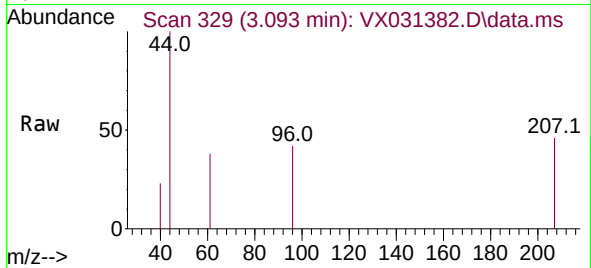




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

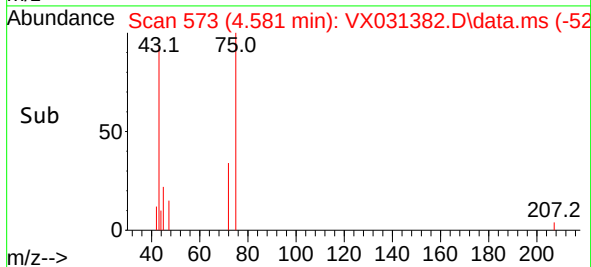
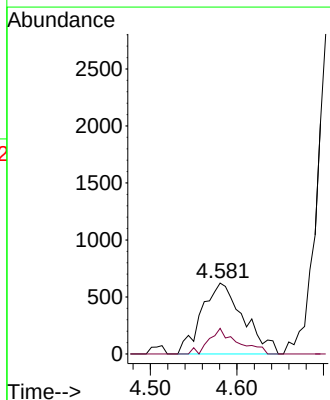
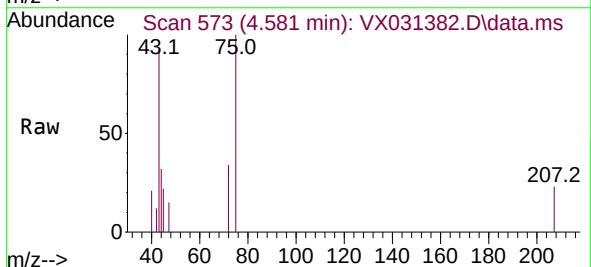
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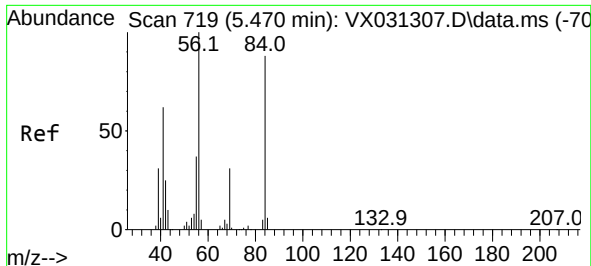
Tgt Ion: 96 Resp: 95
Ion Ratio Lower Upper
96 100
61 89.3 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 1.264 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
72 36.2 21.1 31.7#

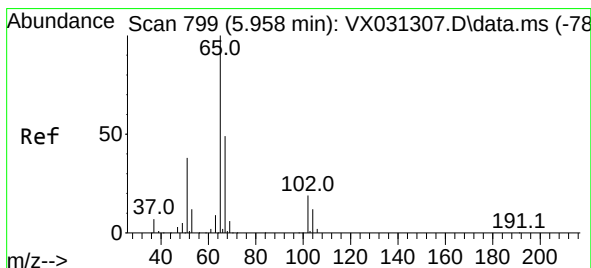
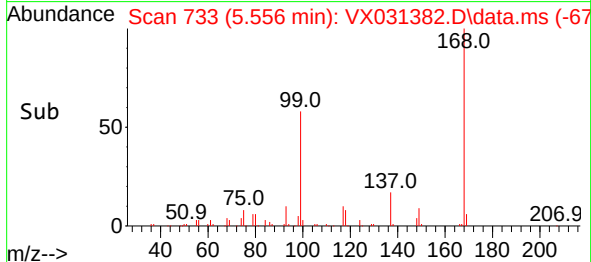
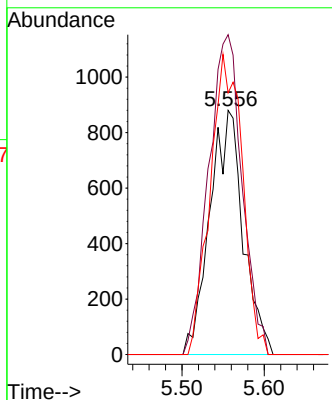
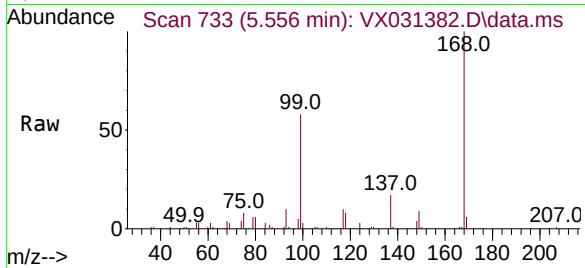




#31
Cyclohexane
Concen: 0.985 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

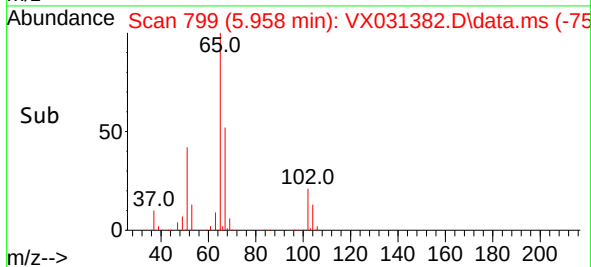
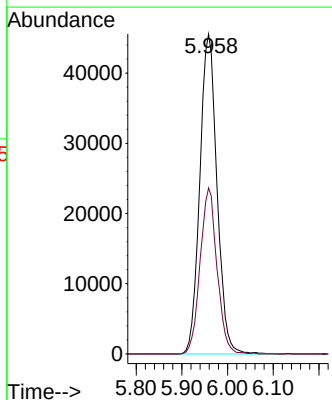
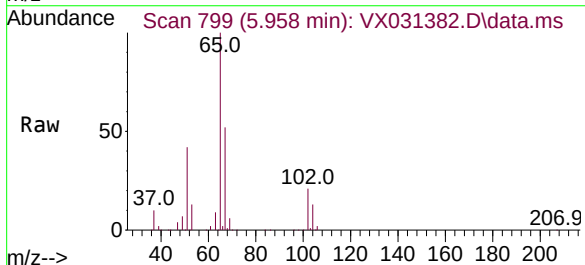
Instrument :
MSVOA_X
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S1-SO_112D-20220902

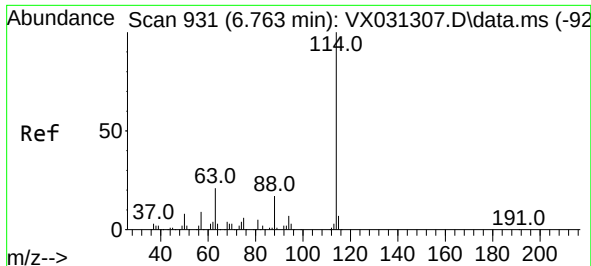
Tgt Ion: 56 Resp: 2478
Ion Ratio Lower Upper
56 100
69 131.0 25.1 37.7#
84 107.2 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 50.839 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 65 Resp: 119085
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

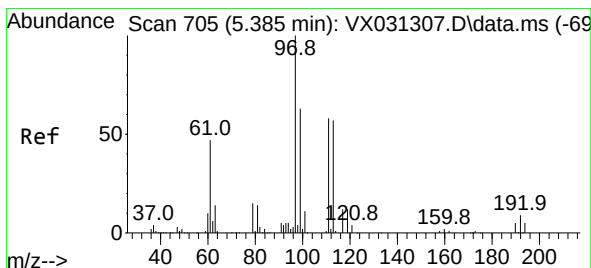
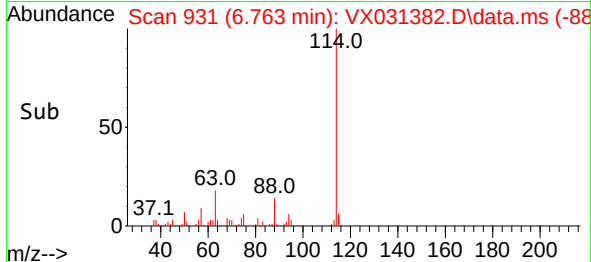
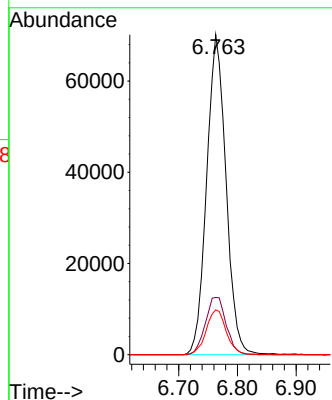
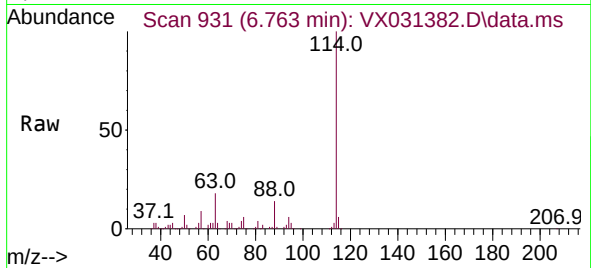




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

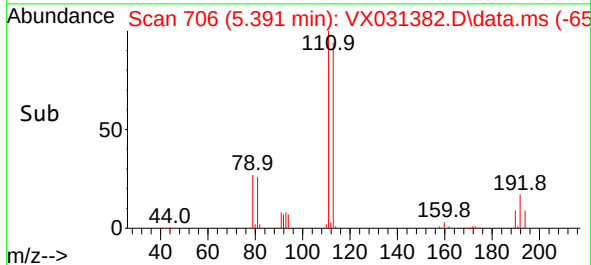
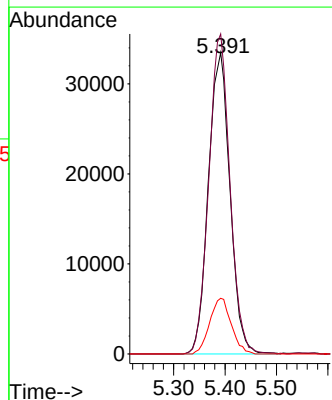
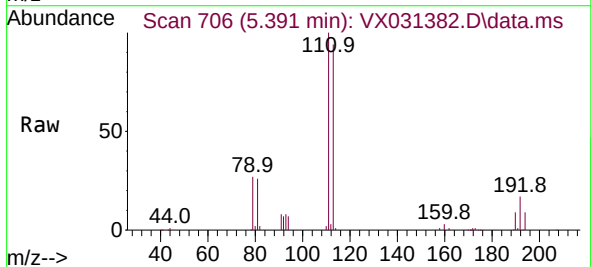
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

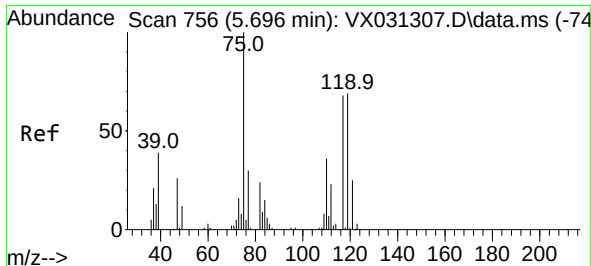
Tgt Ion:114 Resp: 160554
Ion Ratio Lower Upper
114 100
63 17.9 0.0 42.6
88 14.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 56.600 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion:113 Resp: 97683
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 18.4 14.1 21.1

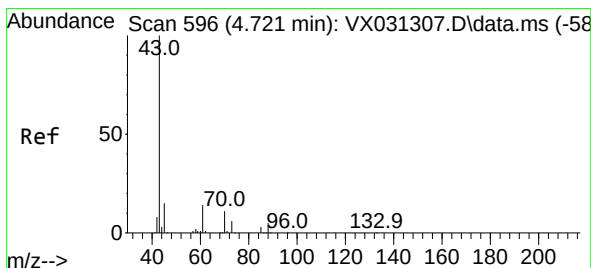
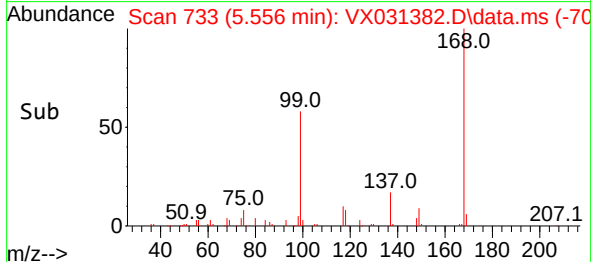
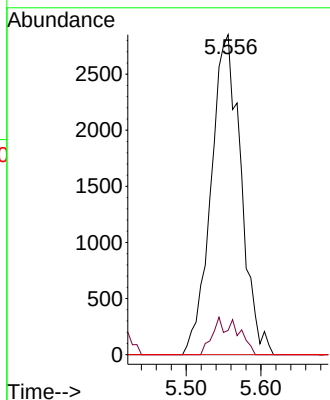
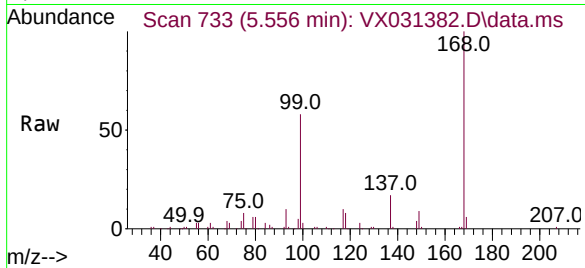




#36
1,1-Dichloropropene
Concen: 3.357 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

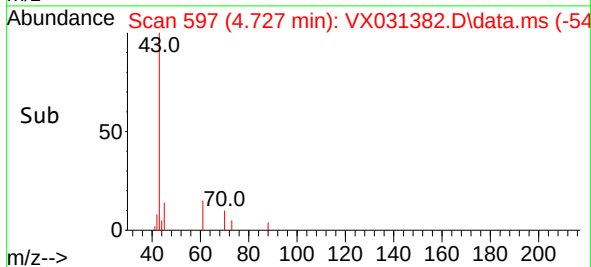
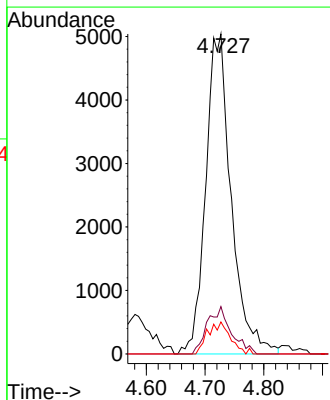
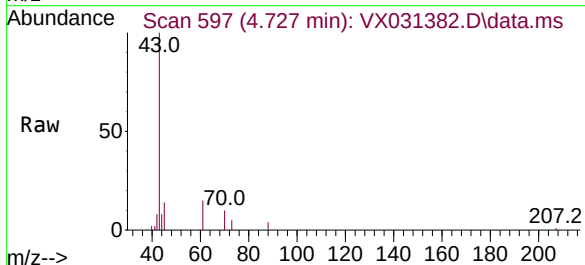
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

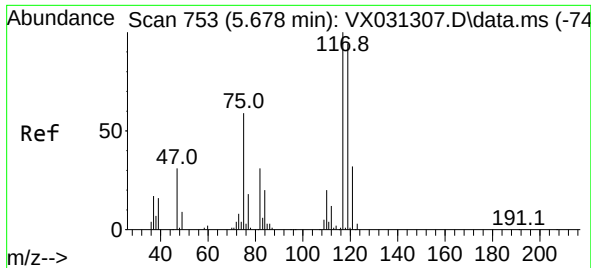
Tgt Ion: 75 Resp: 7931
Ion Ratio Lower Upper
75 100
110 5.4 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.901 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 43 Resp: 15213
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 8.7 8.6 13.0

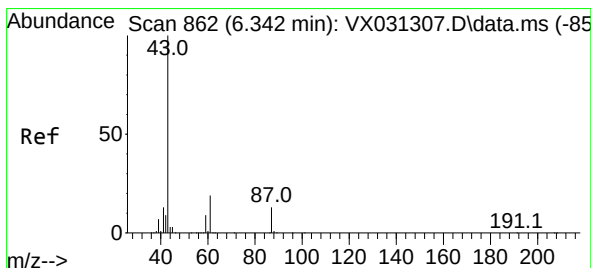
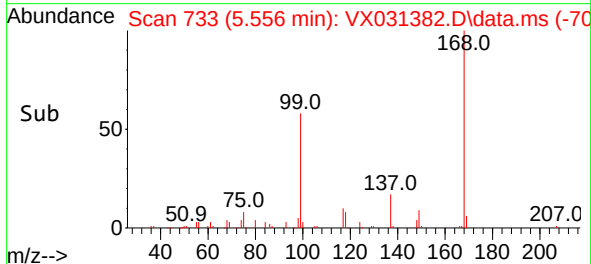
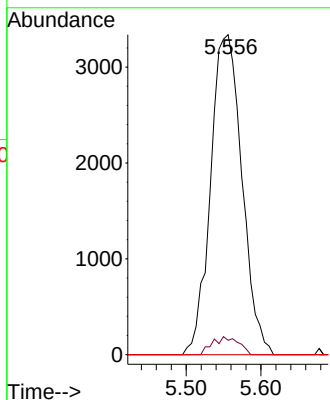
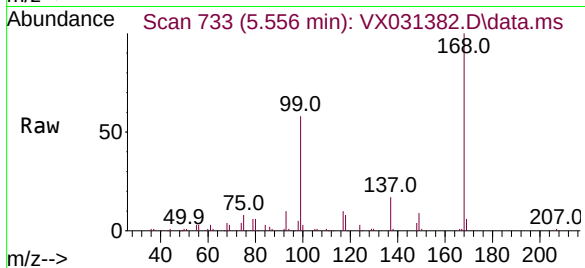




#38
Carbon Tetrachloride
Concen: 3.803 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

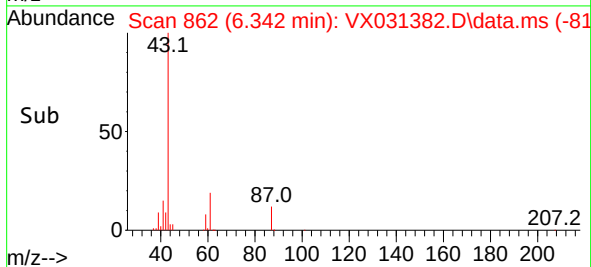
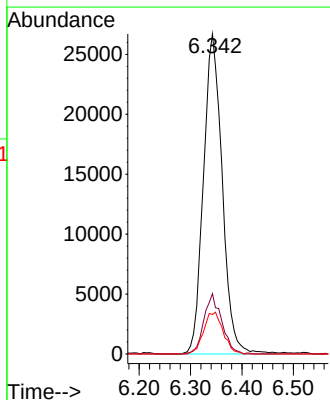
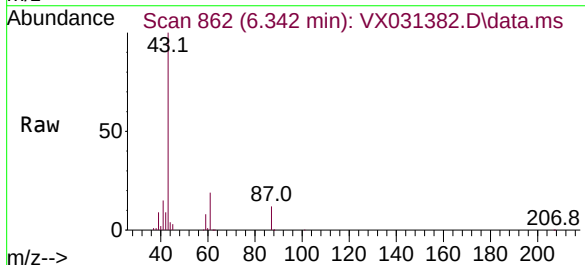
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

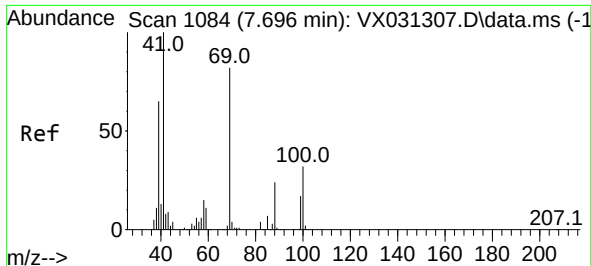
Tgt Ion:117 Resp: 9764
Ion Ratio Lower Upper
117 100
119 4.5 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 12.790 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 43 Resp: 67770
Ion Ratio Lower Upper
43 100
61 17.8 15.3 22.9
87 13.6 10.6 15.8

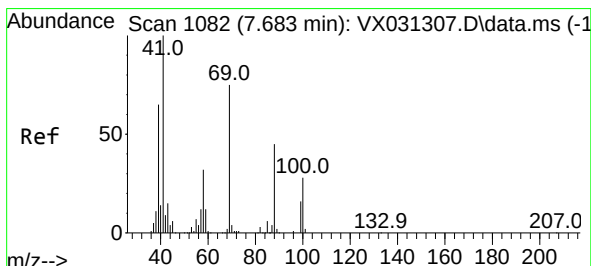
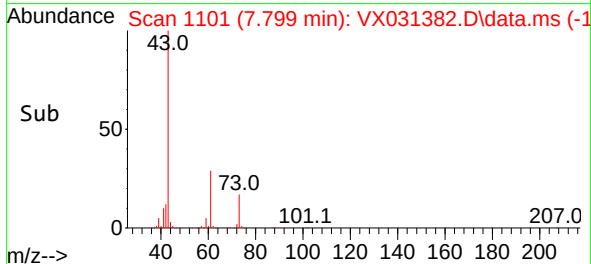
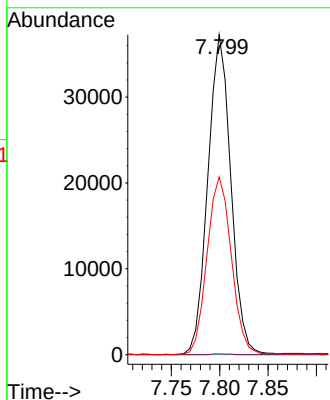
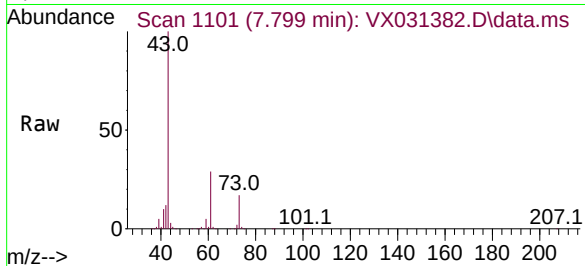




#48
Methyl methacrylate
Concen: 25.585 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

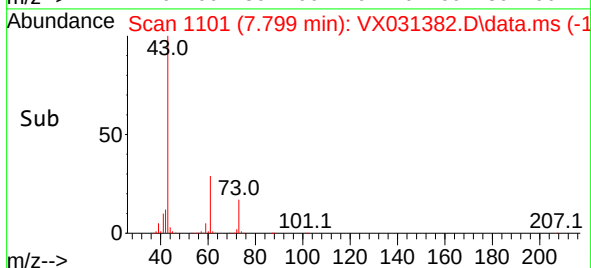
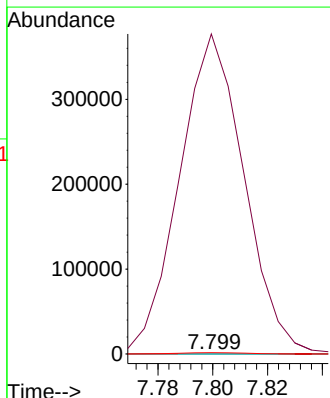
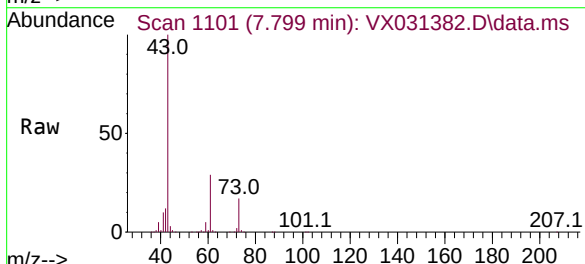
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

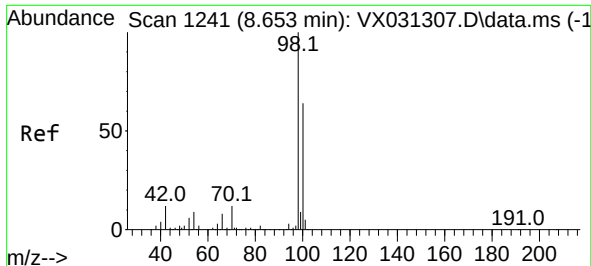
Tgt Ion: 41 Resp: 61716
Ion Ratio Lower Upper
41 100
69 0.2 64.6 96.8#
39 58.6 51.4 77.0



#49
1,4-Dioxane
Concen: 1.406 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.116 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 914636.8 27.1 40.7#
58 3758.8 53.9 80.9#

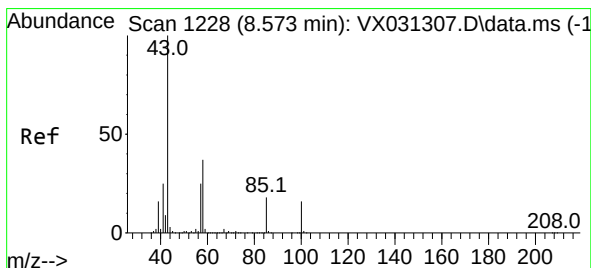
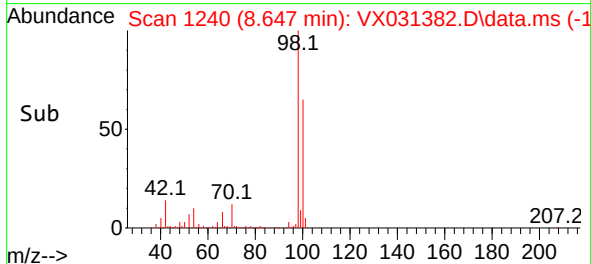
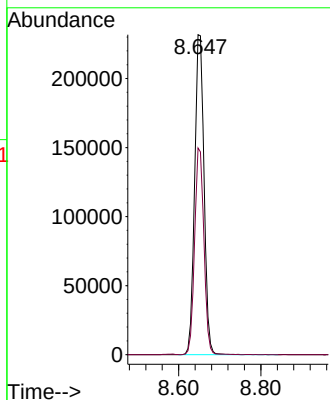
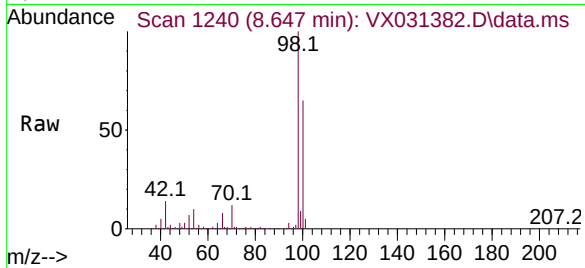




#50
Toluene-d8
Concen: 56.569 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

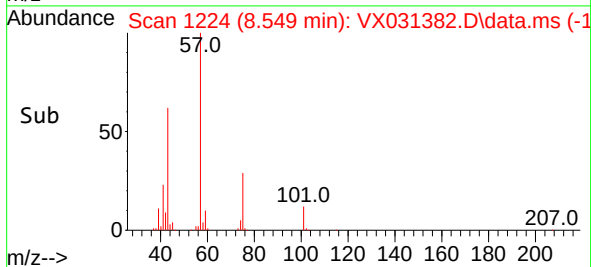
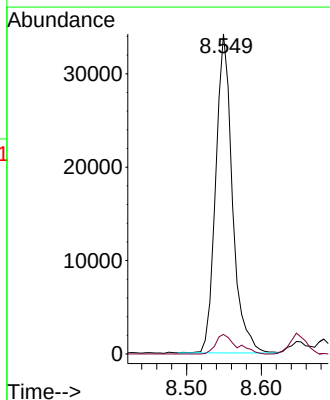
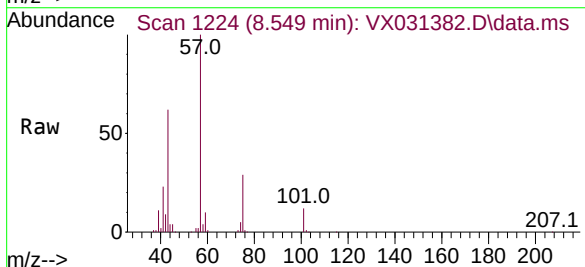
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

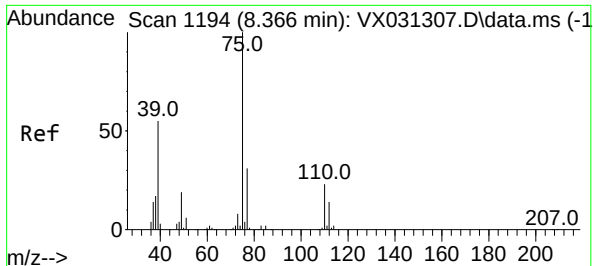
Tgt Ion: 98 Resp: 366220
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 16.488 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 43 Resp: 53105
Ion Ratio Lower Upper
43 100
58 7.6 30.6 46.0#

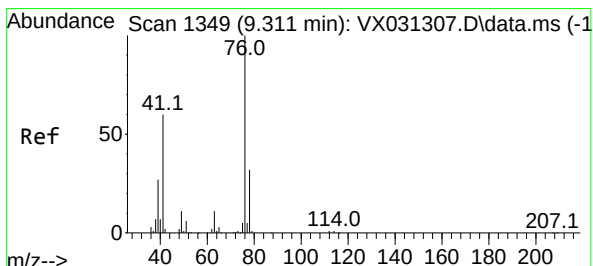
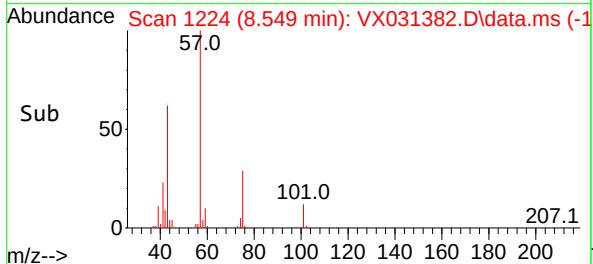
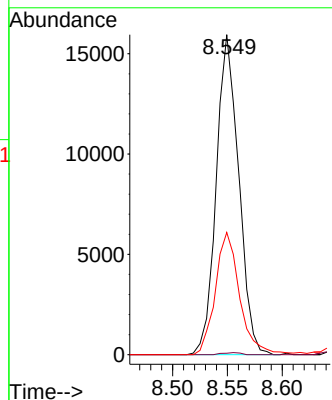
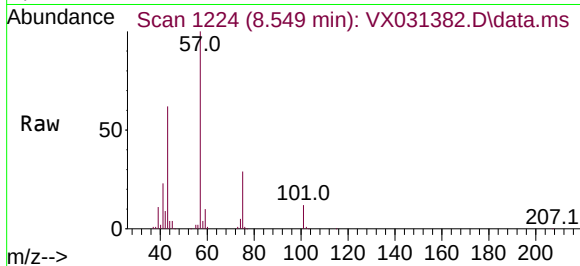




#54
 cis-1,3-Dichloropropene
 Concen: 7.174 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031382.D
 Acq: 16 Sep 2022 03:29

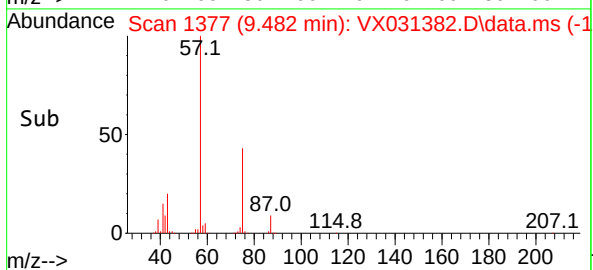
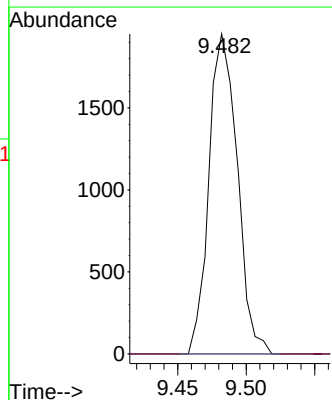
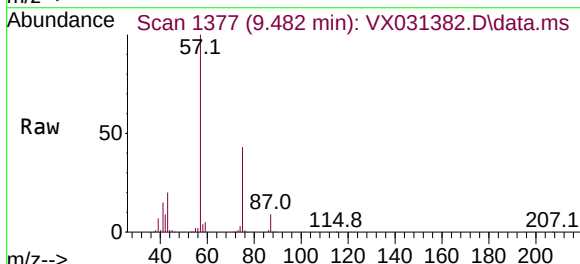
Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_112D-20220902

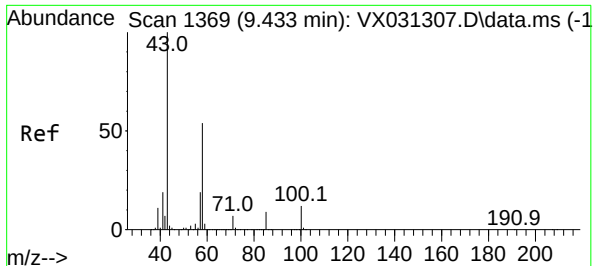
Tgt Ion: 75 Resp: 22725
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.4 36.6#
 39 38.2 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.863 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031382.D
 Acq: 16 Sep 2022 03:29

Tgt Ion: 76 Resp: 2809
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 16.341 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031382.D

Acq: 16 Sep 2022 03:29

Instrument :

MSVOA_X

ClientSampleId :

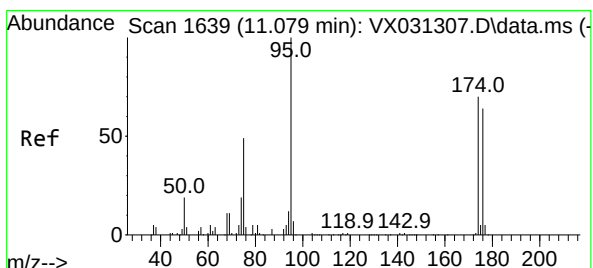
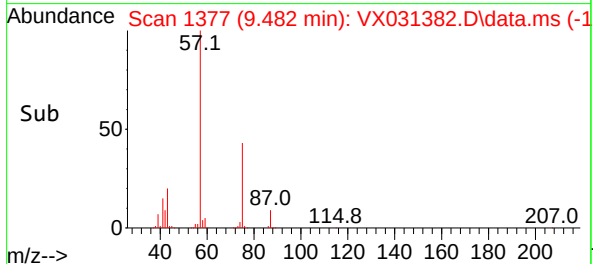
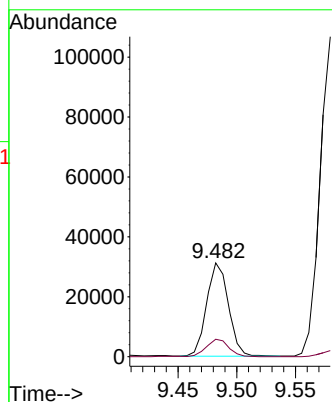
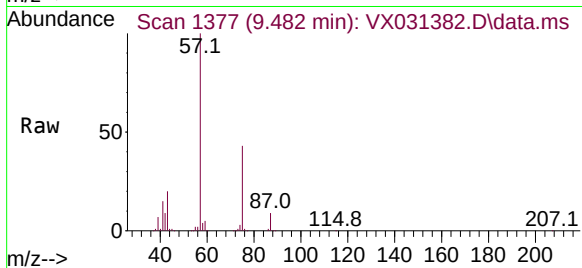
S1-SO_112D-20220902

Tgt Ion: 43 Resp: 40170

Ion Ratio Lower Upper

43 100

58 19.2 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 48.673 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031382.D

Acq: 16 Sep 2022 03:29

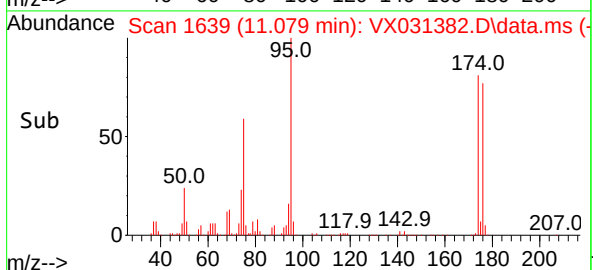
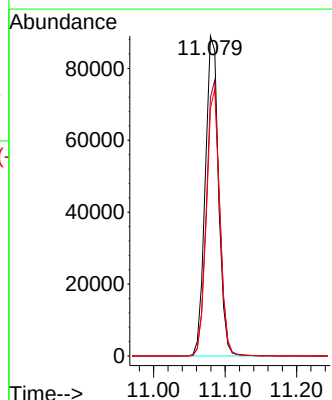
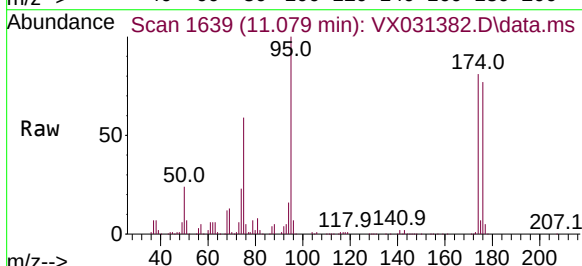
Tgt Ion: 95 Resp: 115389

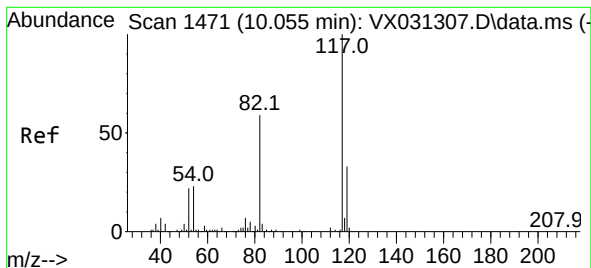
Ion Ratio Lower Upper

95 100

174 86.1 0.0 153.2

176 83.2 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: VX031382.D

Acq: 16 Sep 2022 03:29

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_112D-20220902

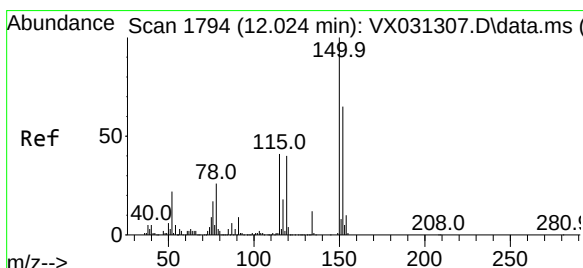
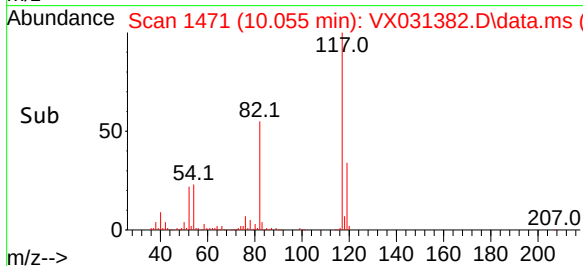
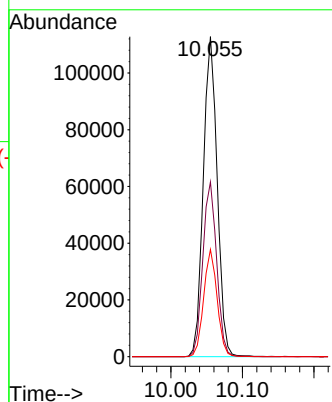
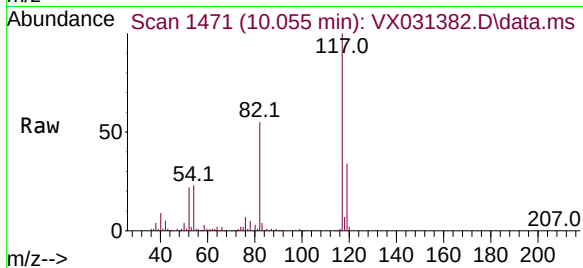
Tgt Ion:117 Resp: 152496

Ion Ratio Lower Upper

117 100

82 54.6 46.8 70.2

119 33.5 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: VX031382.D

Acq: 16 Sep 2022 03:29

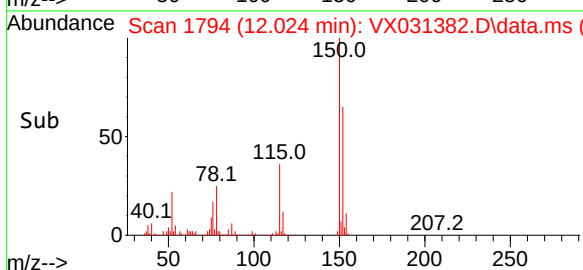
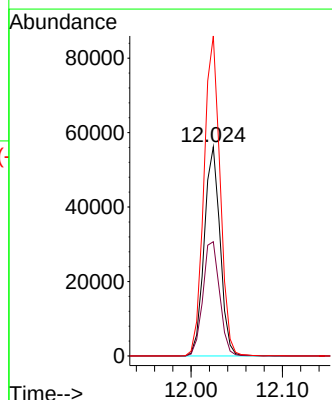
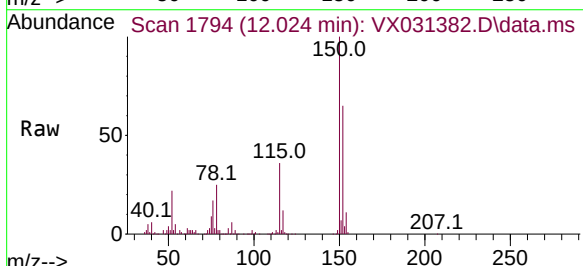
Tgt Ion:152 Resp: 67498

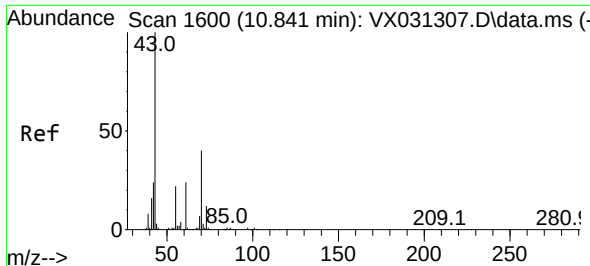
Ion Ratio Lower Upper

152 100

115 57.7 43.4 130.1

150 155.7 0.0 346.8

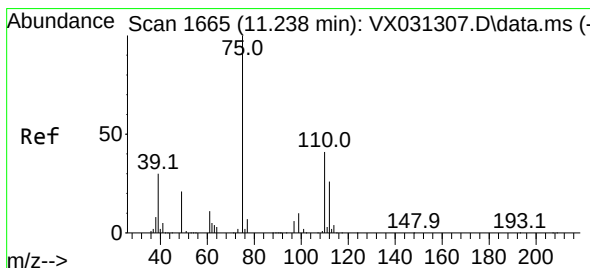
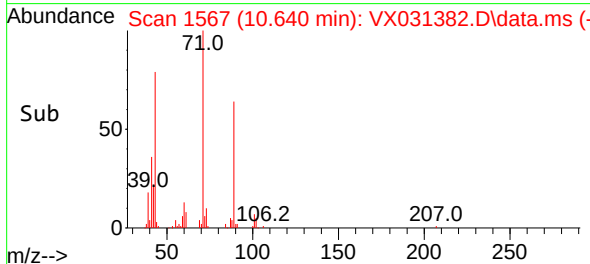
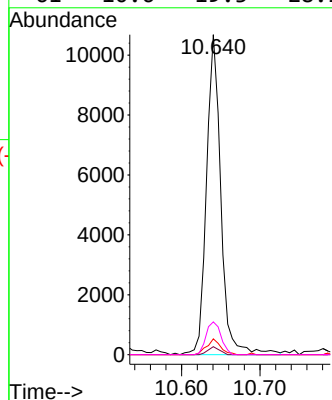
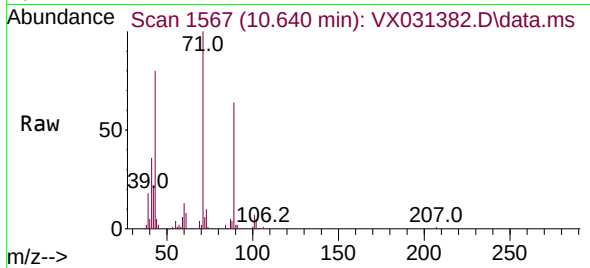




#74
N-amy1 acetate
Concen: 5.482 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

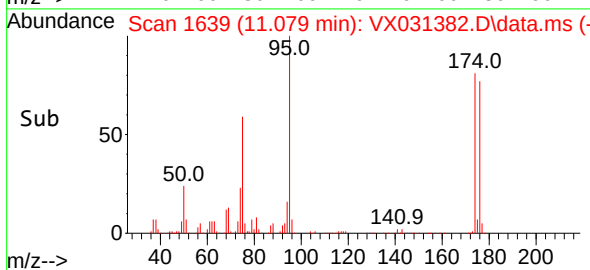
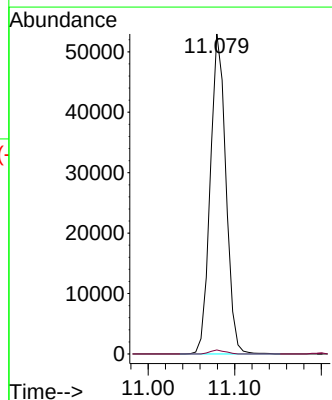
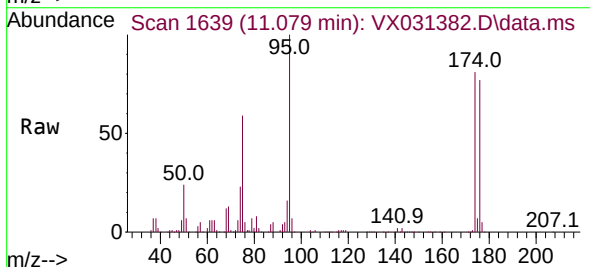
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

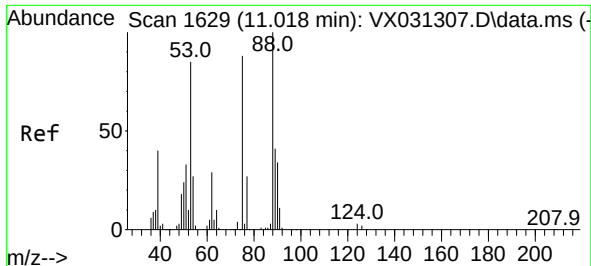
Tgt Ion: 43	Resp: 13588
Ion Ratio	Lower Upper
43 100	
70 2.0	33.4 50.2#
55 4.8	18.2 27.2#
61 10.6	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 39.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion: 75	Resp: 66373
Ion Ratio	Lower Upper
75 100	
77 1.2	20.3 60.9#

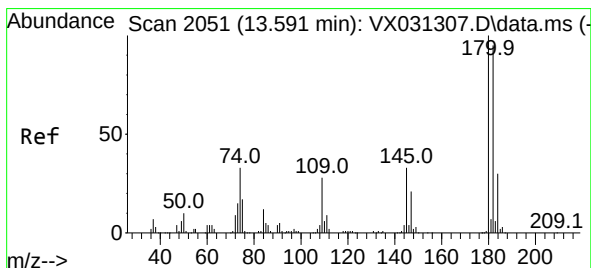
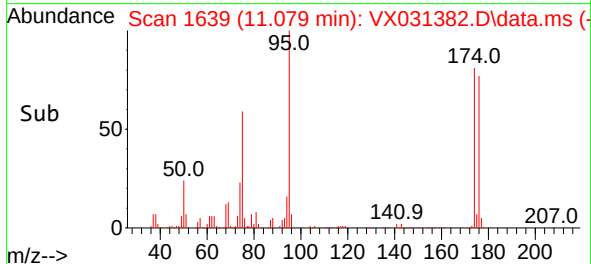
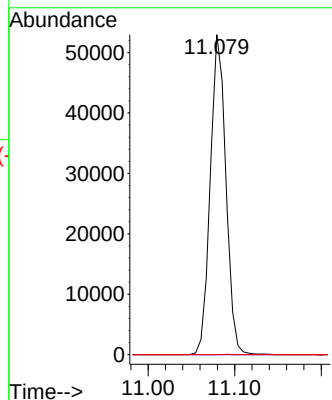
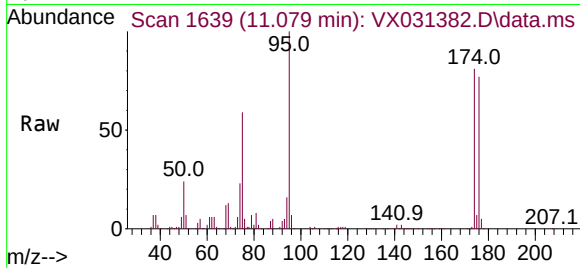




#81
trans-1,4-Dichloro-2-butene
Concen: 107.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

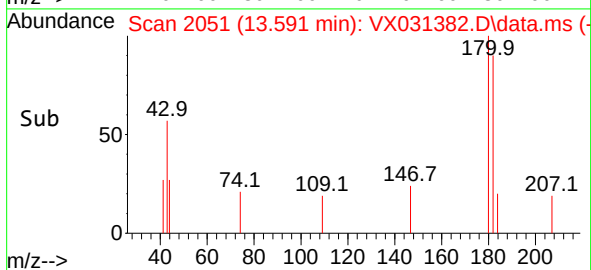
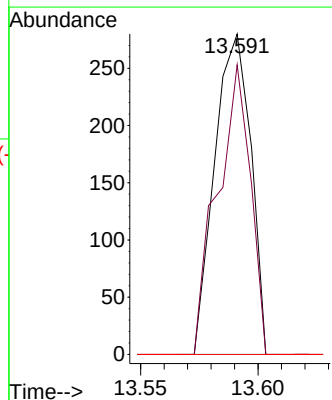
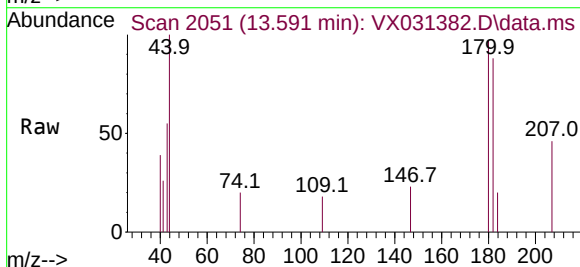
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_112D-20220902

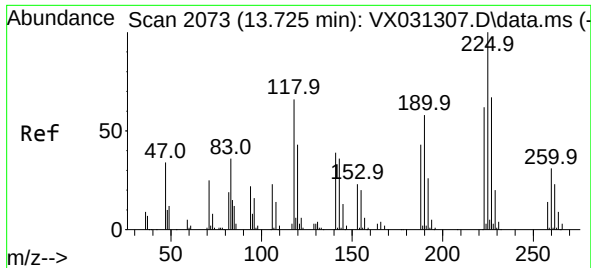
Tgt Ion: 75 Resp: 66373
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.250 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX031382.D
Acq: 16 Sep 2022 03:29

Tgt Ion:180 Resp: 299
Ion Ratio Lower Upper
180 100
182 82.9 46.9 140.6
145 0.0 16.7 50.1#





#94

Hexachlorobutadiene

Concen: 0.319 ug/l

RT: 13.725 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX031382.D

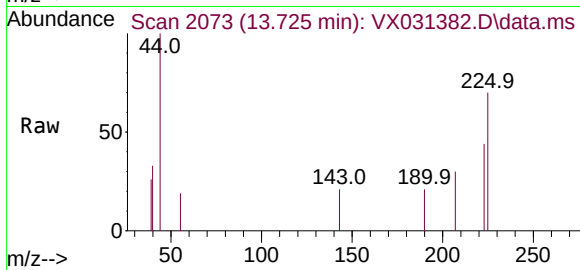
Acq: 16 Sep 2022 03:29

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_112D-20220902



Tgt Ion:	225	Resp:	149
Ion	Ratio	Lower	Upper
225	100		
223	49.7	30.8	92.4
227	16.1	32.3	96.9

