

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031324.D
 Acq On : 14 Sep 2022 22:35
 Operator : JC/MD
 Sample : N4580-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CO-1

Quant Time: Sep 15 06:07:20 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)

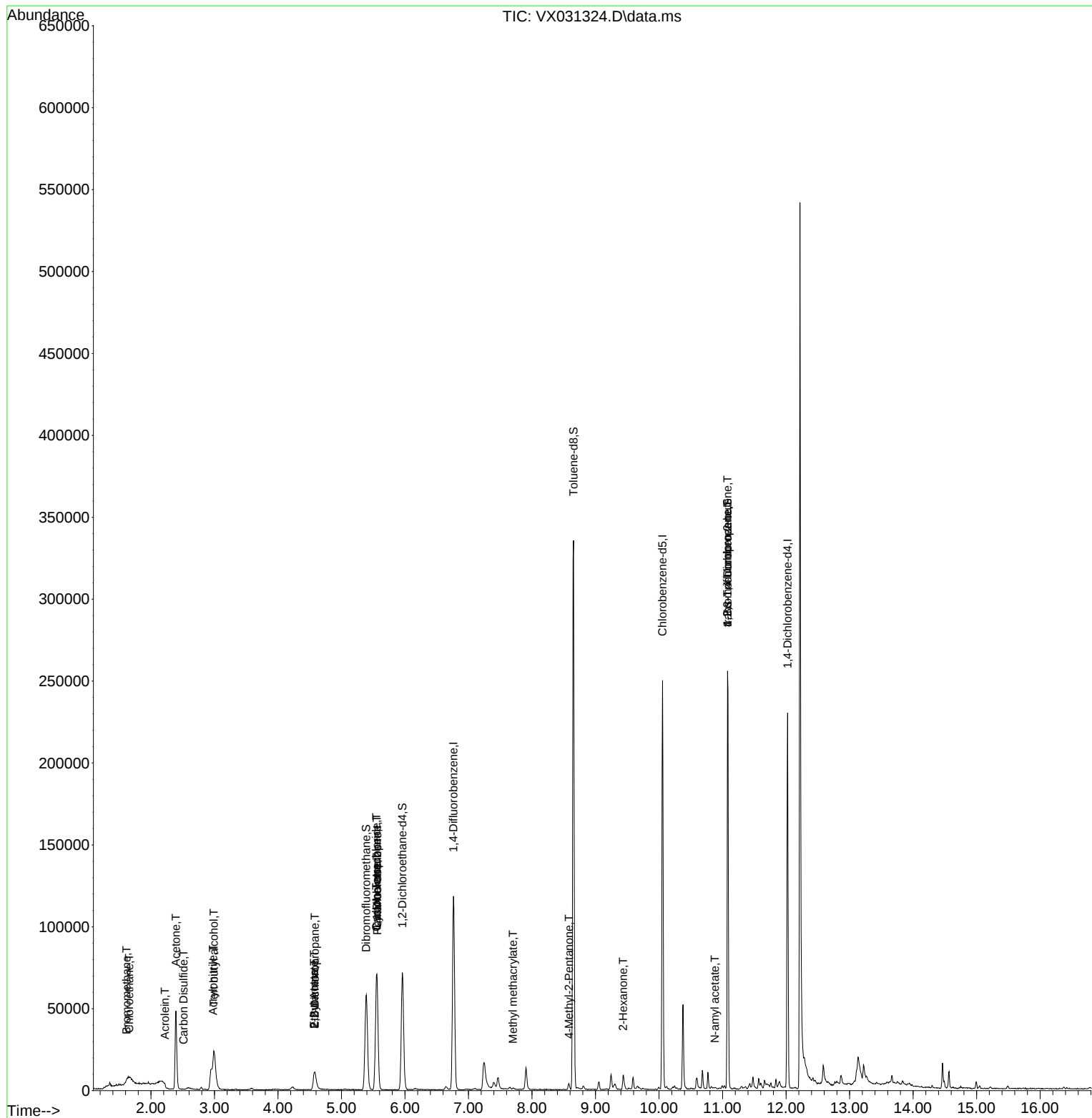
Internal Standards						
1) Pentafluorobenzene	5.562	168	62175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	112839	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66943	43.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.740%		
35) Dibromofluoromethane	5.385	113	48235	39.767	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	79.540%		
50) Toluene-d8	8.653	98	188659	41.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	82.920%#		
62) 4-Bromofluorobenzene	11.079	95	62137	37.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	74.580%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	176	Below Cal	#	41
5) Bromomethane	1.617	94	232	0.285	ug/l #	24
6) Chloroethane	1.654	64	335	0.410	ug/l #	43
11) Tert butyl alcohol	2.989	59	49900	142.136	ug/l	98
13) Acrolein	2.221	56	79	0.449	ug/l #	15
15) Acrylonitrile	2.977	53	442	0.628	ug/l #	20
16) Acetone	2.392	43	56082	86.081	ug/l	96
17) Carbon Disulfide	2.514	76	69	0.912	ug/l #	75
20) Methylene Chloride	2.794	84	632	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.093	96	25	Below Cal	#	1
25) 2-Butanone	4.568	43	13637	12.690	ug/l	94
26) 2,2-Dichloropropane	4.580	77	437	0.219	ug/l #	54
31) Cyclohexane	5.556	56	1816	1.108	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	6395	3.852	ug/l #	49
37) Ethyl Acetate	4.568	43	13637	6.251	ug/l #	70
38) Carbon Tetrachloride	5.550	117	6838	3.789	ug/l #	18
48) Methyl methacrylate	7.702	41	522	0.308	ug/l #	65
51) 4-Methyl-2-Pentanone	8.580	43	2772	1.225	ug/l	90
59) 2-Hexanone	9.433	43	5450	3.155	ug/l	87
74) N-amyl acetate	10.878	43	434	0.291	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	36634	35.749	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36634	98.918	ug/l #	11

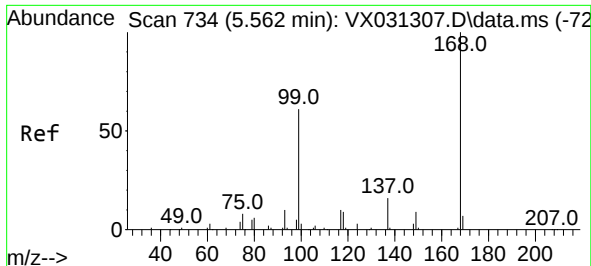
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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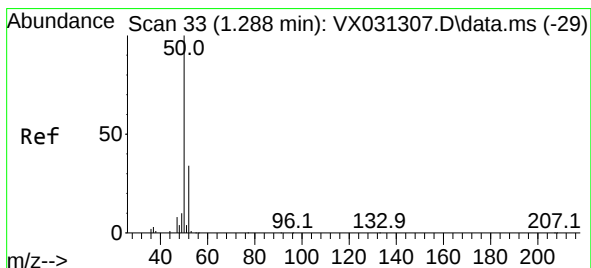
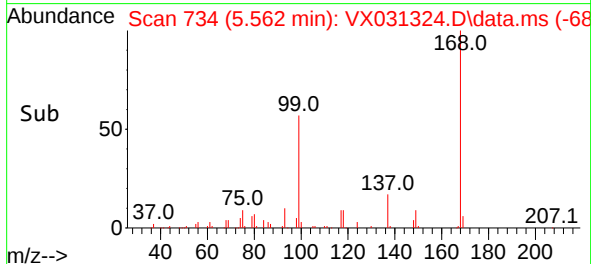
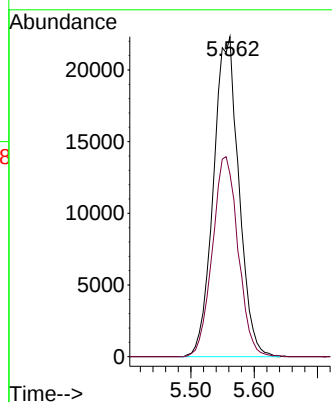
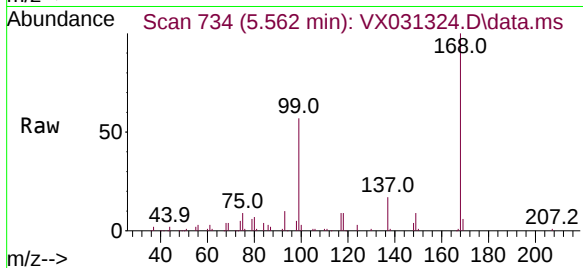




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

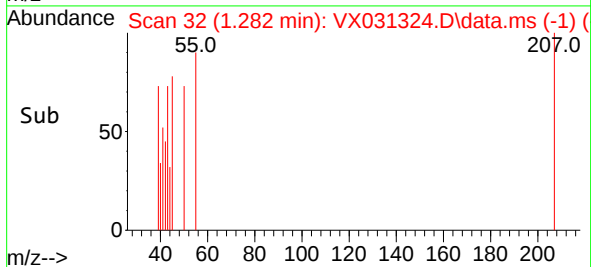
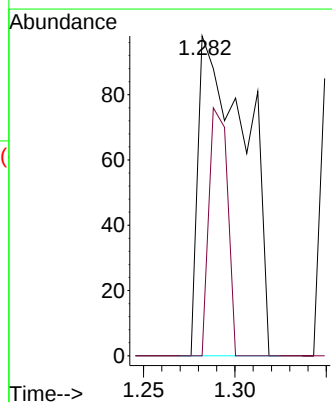
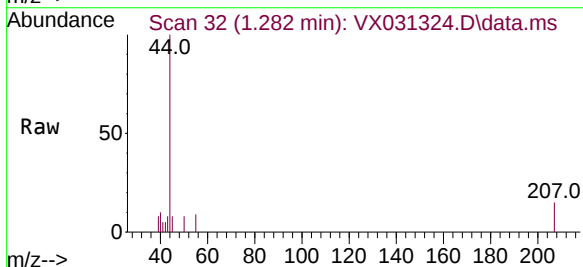
Instrument :
MSVOA_X
ClientSampleId :
CO-1

Tgt Ion:168 Resp: 62175
Ion Ratio Lower Upper
168 100
99 57.1 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 50 Resp: 176
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

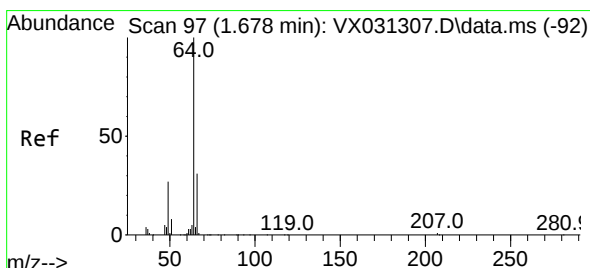
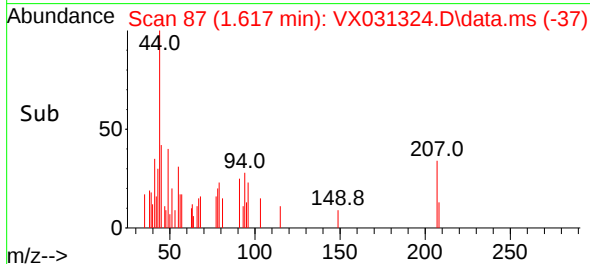
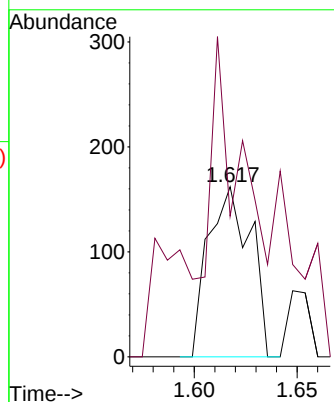
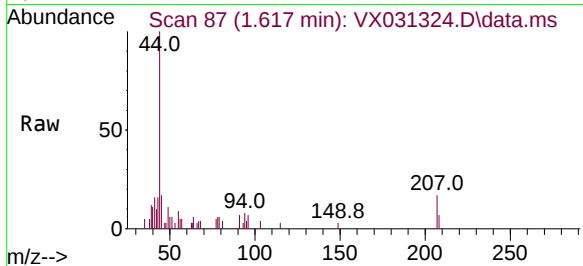




#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

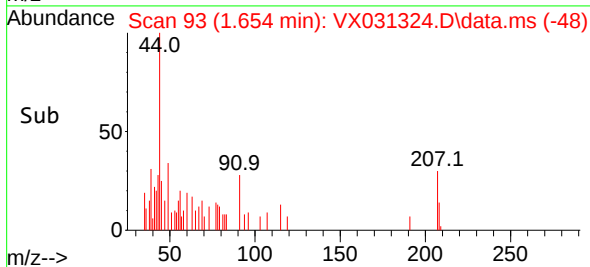
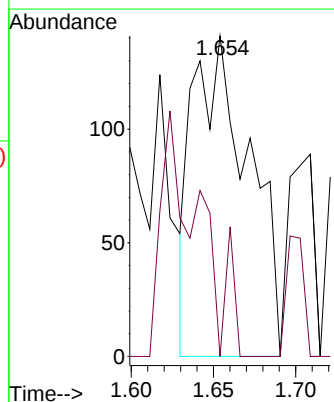
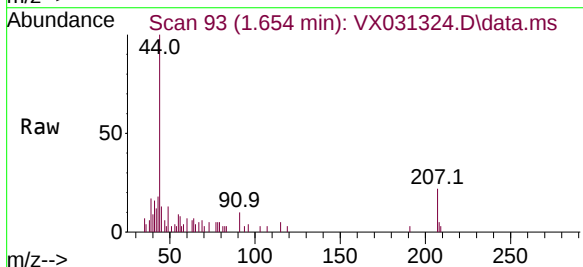
Instrument :
MSVOA_X
ClientSampleId :
CO-1

Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 19.8 74.4 111.6#



#6
Chloroethane
Concen: 0.410 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

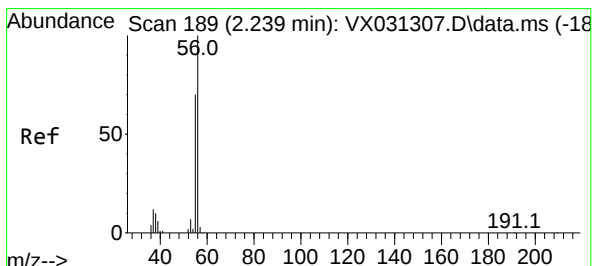
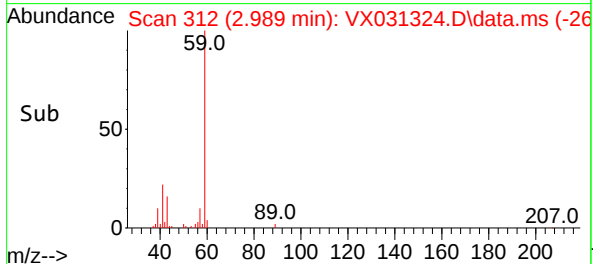
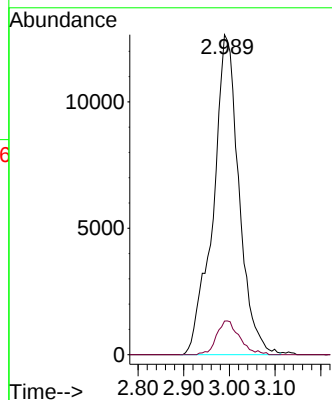
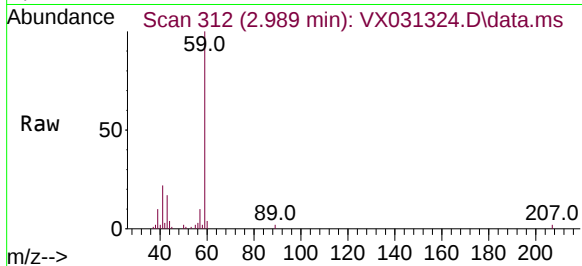




#11
Tert butyl alcohol
Concen: 142.136 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

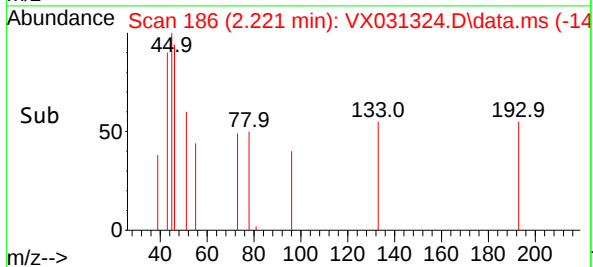
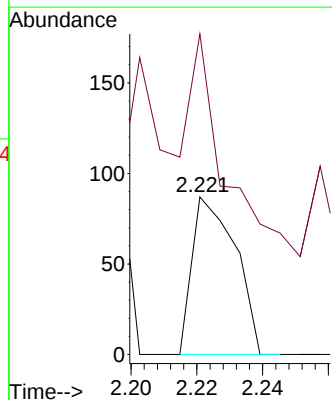
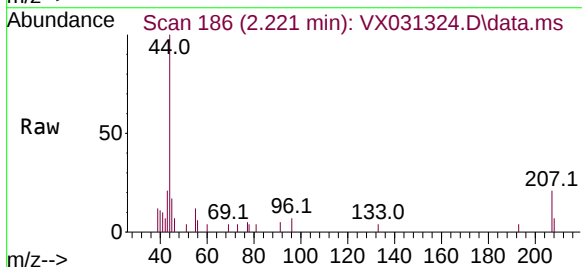
Instrument :
MSVOA_X
ClientSampleId :
CO-1

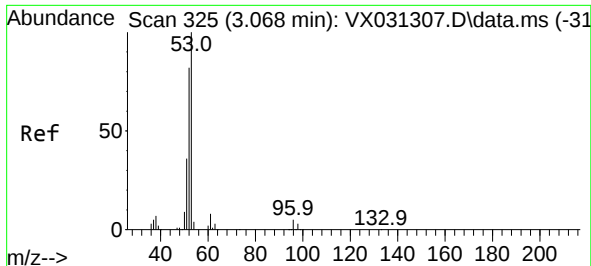
Tgt Ion: 59 Resp: 49900
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.2



#13
Acrolein
Concen: 0.449 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#





#15

Acrylonitrile

Concen: 0.628 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.091 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

Instrument :

MSVOA_X

ClientSampleId :

CO-1

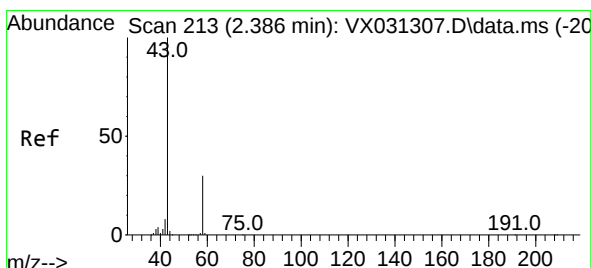
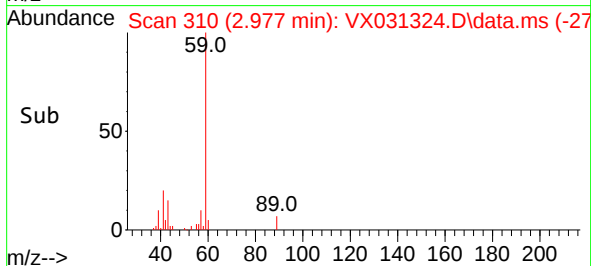
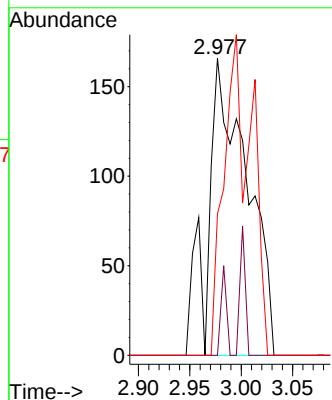
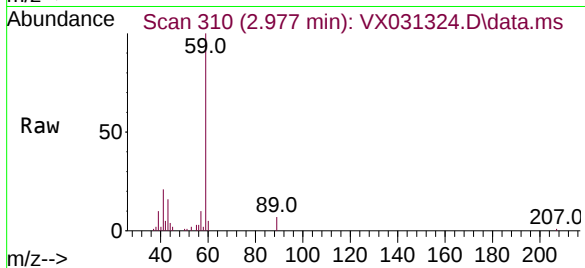
Tgt Ion: 53 Resp: 442

Ion Ratio Lower Upper

53 100

52 4.1 66.9 100.3#

51 0.0 30.0 45.0#



#16

Acetone

Concen: 86.081 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031324.D

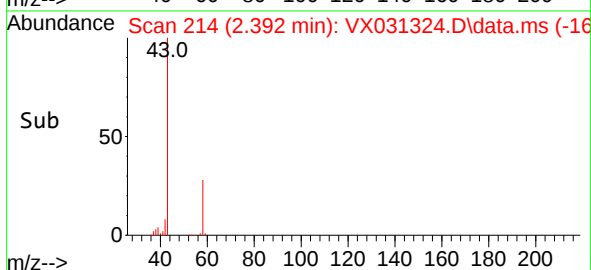
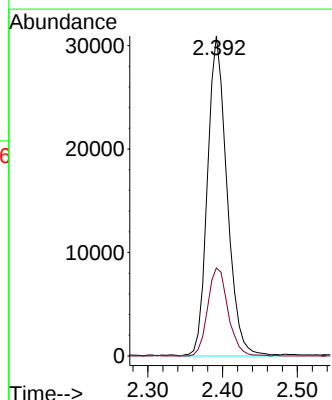
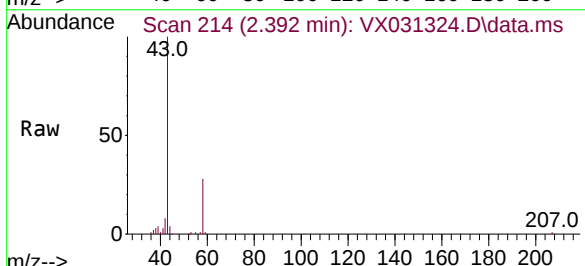
Acq: 14 Sep 2022 22:35

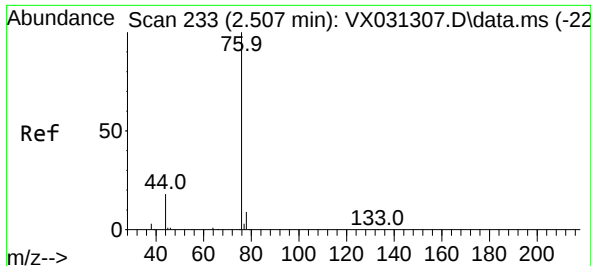
Tgt Ion: 43 Resp: 56082

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.8

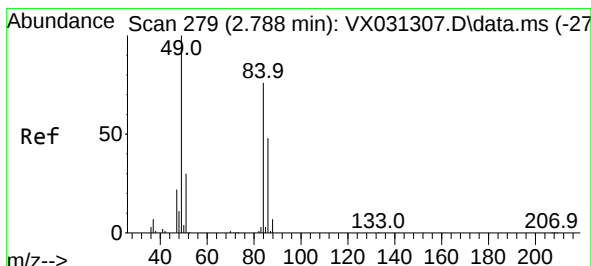
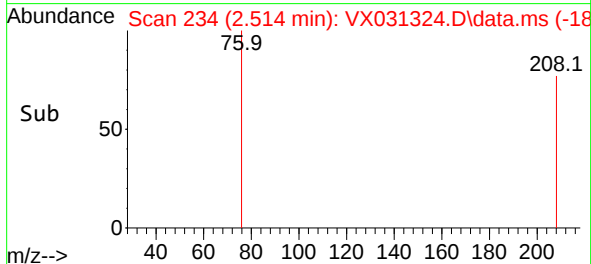
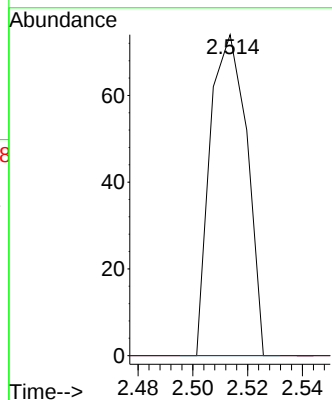
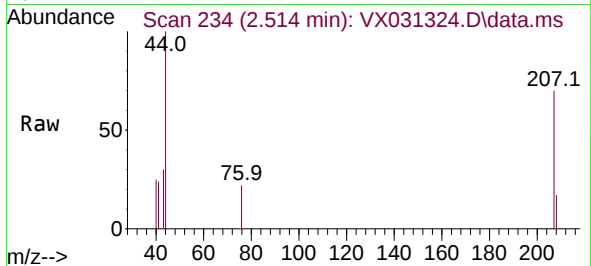




#17
Carbon Disulfide
Concen: 0.912 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

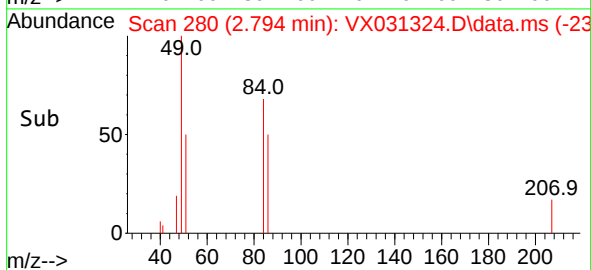
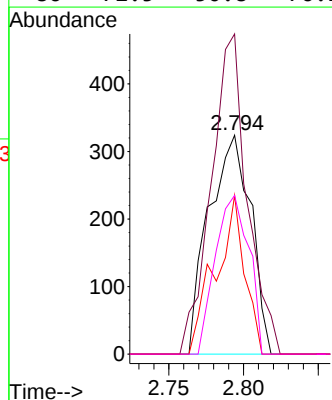
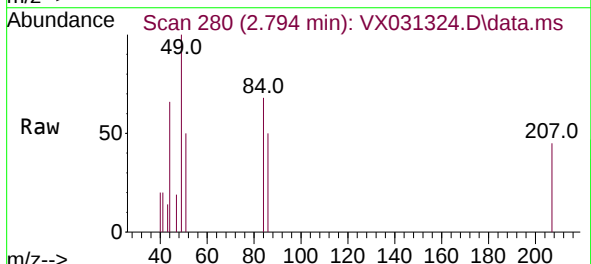
Instrument :
MSVOA_X
ClientSampleId :
CO-1

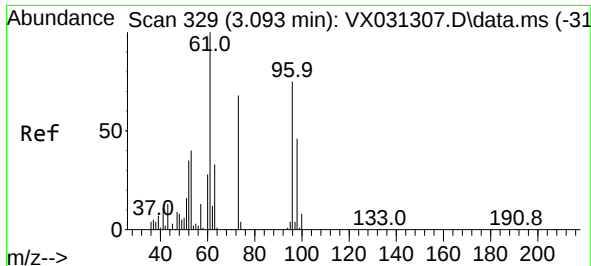
Tgt Ion: 76 Resp: 69
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

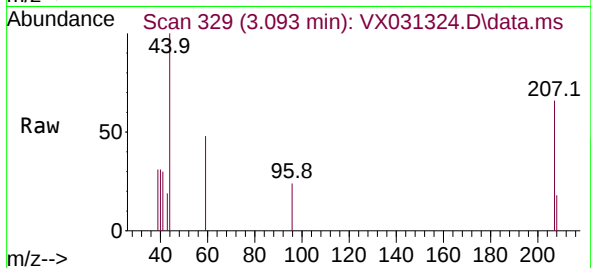
Tgt Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 146.3 105.9 158.9
51 72.5 32.2 48.2#
86 72.5 50.8 76.2



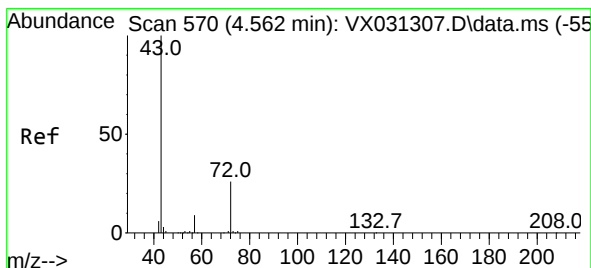
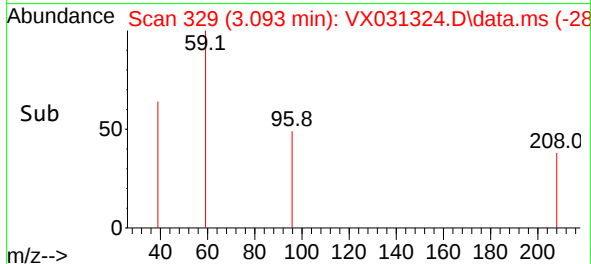
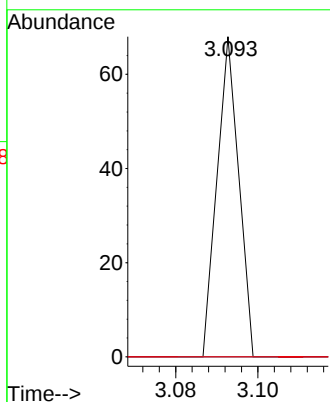


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Instrument :
MSVOA_X
ClientSampleId :
CO-1

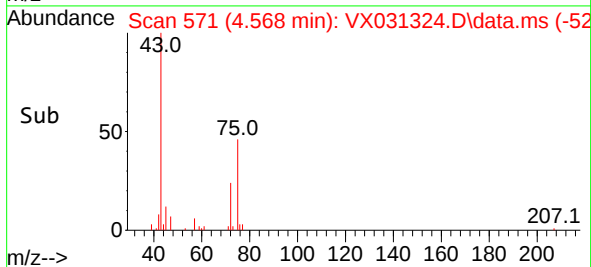
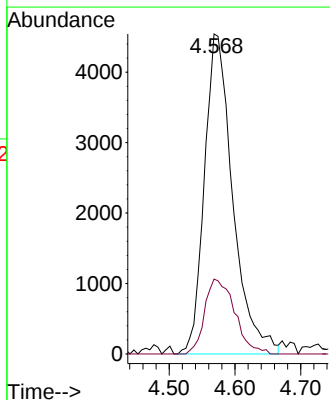
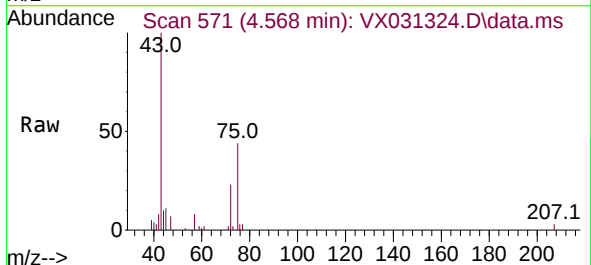


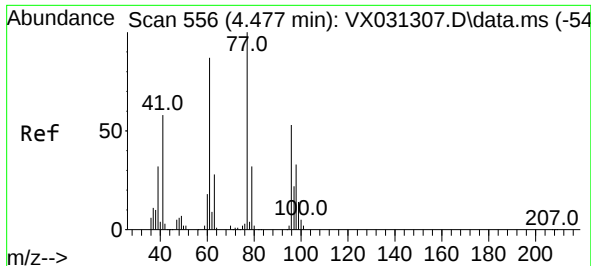
Tgt Ion: 96 Resp: 25
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 12.690 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 43 Resp: 13637
Ion Ratio Lower Upper
43 100
72 23.4 21.1 31.7





#26

2,2-Dichloropropane

Concen: 0.219 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.104 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

Instrument :

MSVOA_X

ClientSampleId :

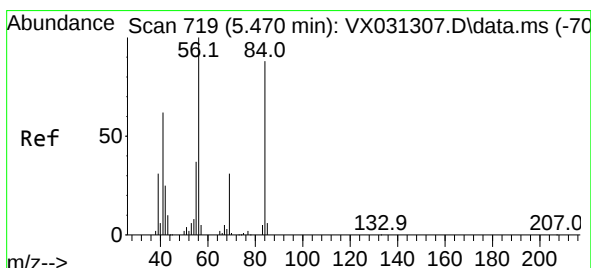
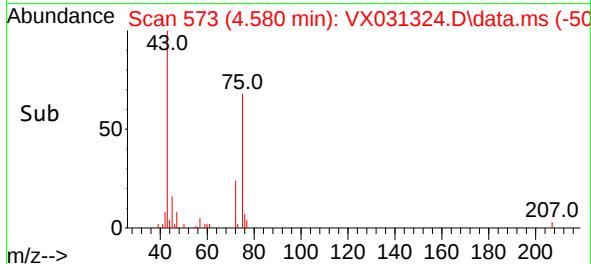
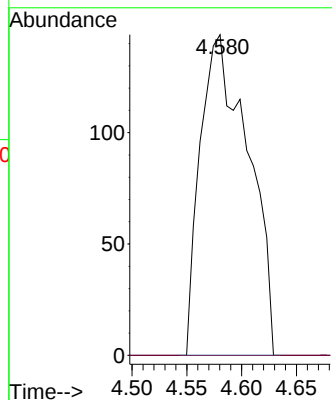
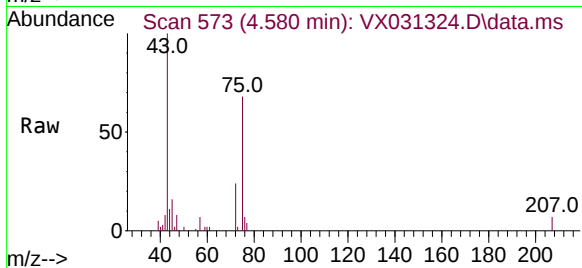
CO-1

Tgt Ion: 77 Resp: 437

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.6#



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

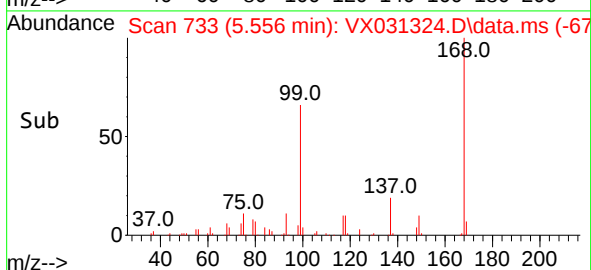
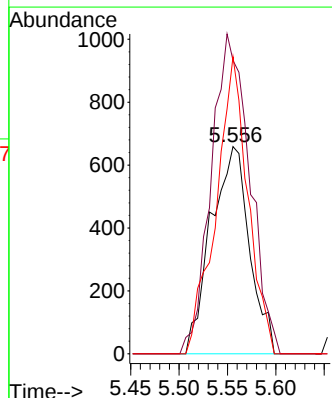
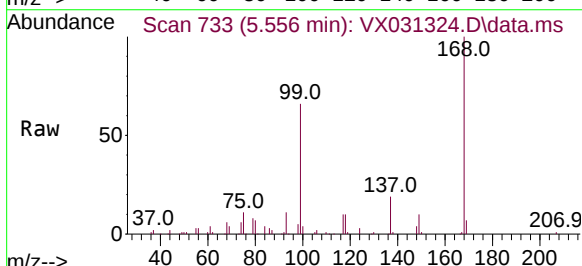
Tgt Ion: 56 Resp: 1816

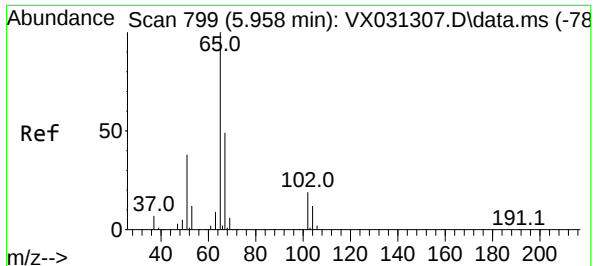
Ion Ratio Lower Upper

56 100

69 141.6 25.1 37.7#

84 143.4 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 43.865 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

Instrument :

MSVOA_X

ClientSampleId :

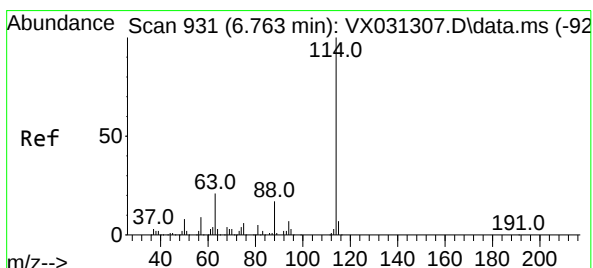
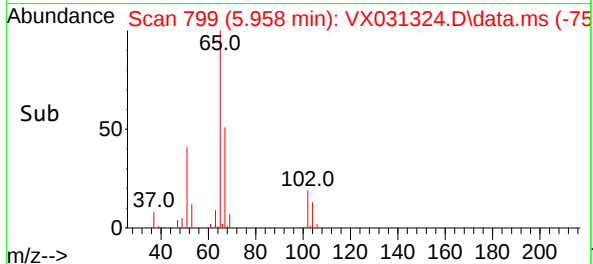
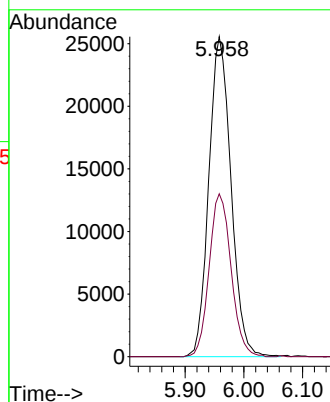
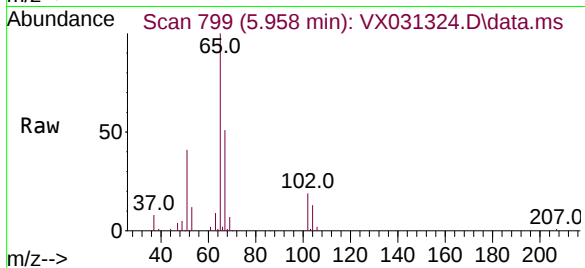
CO-1

Tgt Ion: 65 Resp: 66943

Ion Ratio Lower Upper

65 100

67 50.3 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: VX031324.D

Acq: 14 Sep 2022 22:35

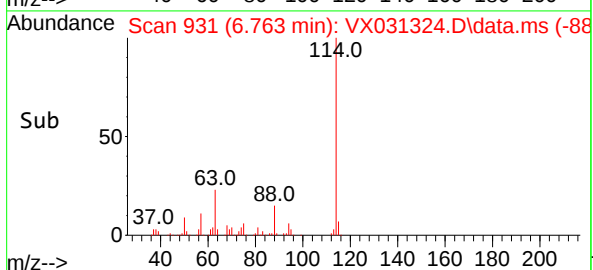
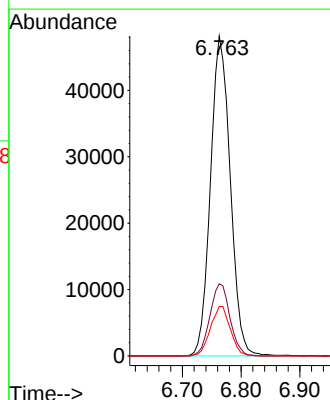
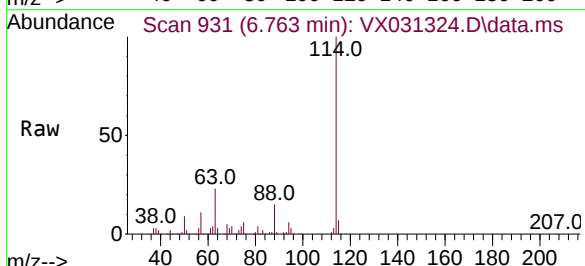
Tgt Ion: 114 Resp: 112839

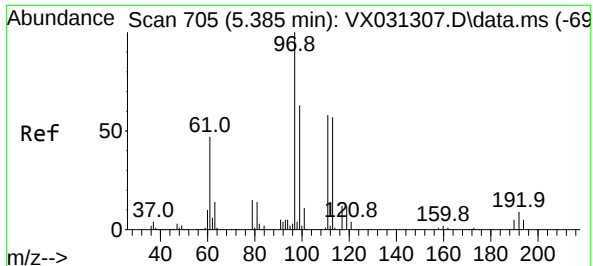
Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.6

88 15.4 0.0 33.0

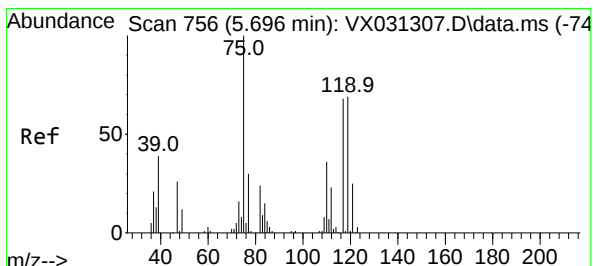
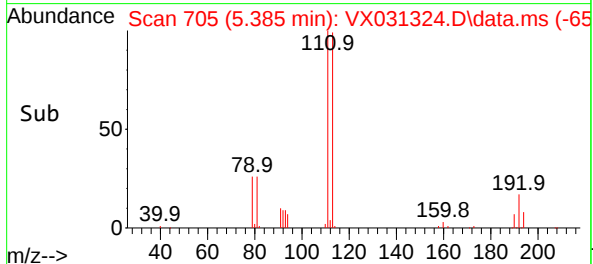
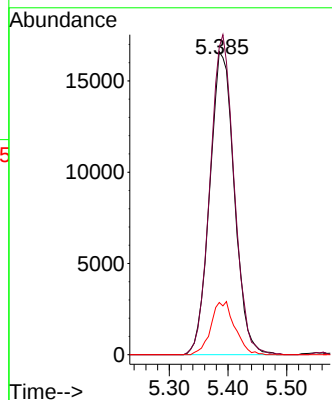
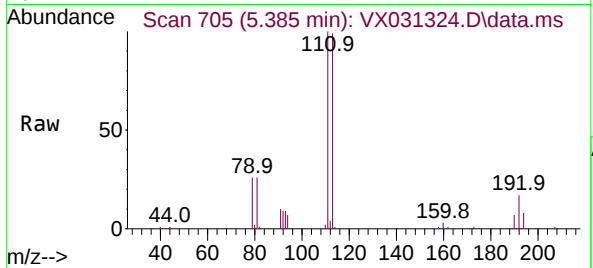




#35
Dibromofluoromethane
Concen: 39.767 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

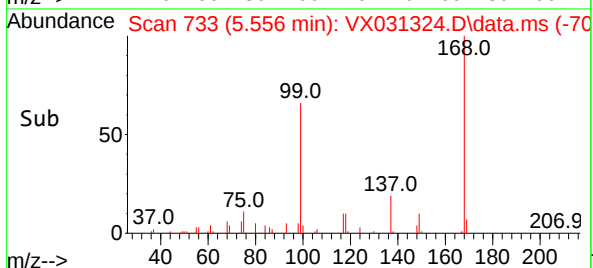
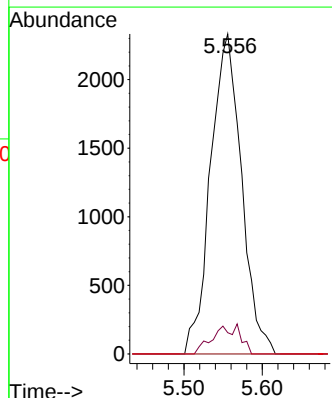
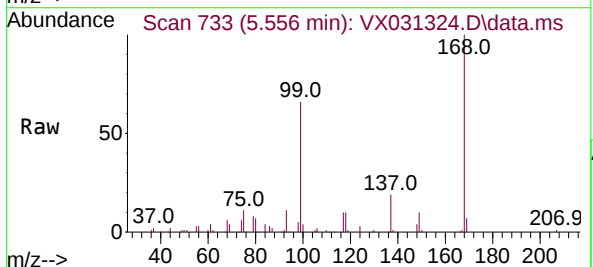
Instrument :
MSVOA_X
ClientSampleId :
CO-1

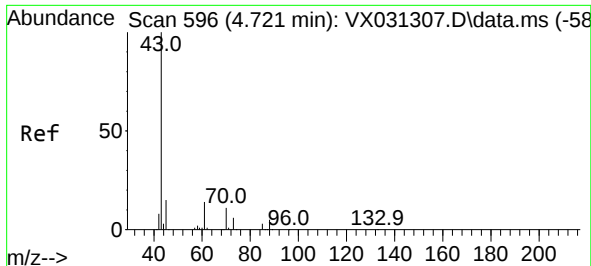
Tgt Ion:113 Resp: 48235
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 17.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.852 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 75 Resp: 6395
Ion Ratio Lower Upper
75 100
110 8.0 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 6.251 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

Instrument :

MSVOA_X

ClientSampleId :

CO-1

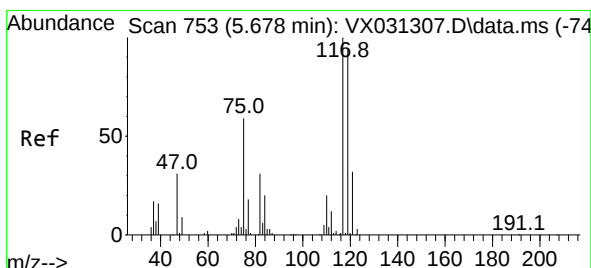
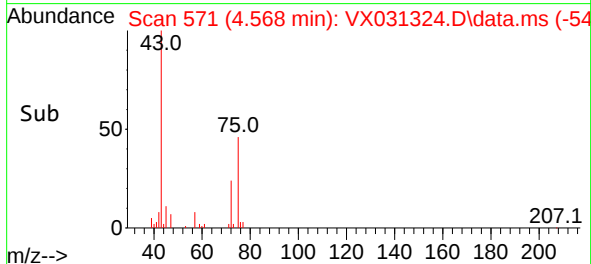
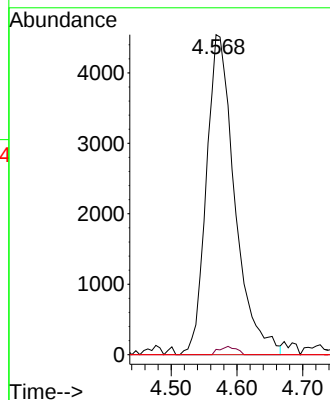
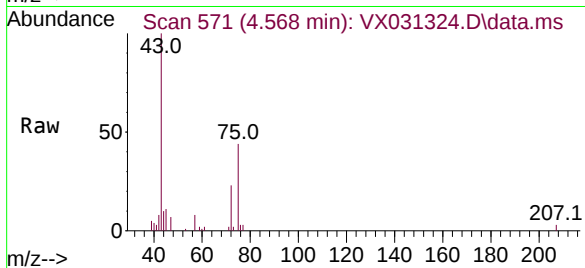
Tgt Ion: 43 Resp: 13637

Ion Ratio Lower Upper

43 100

61 1.6 11.1 16.7#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.789 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

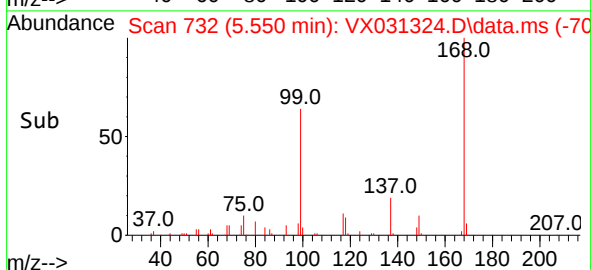
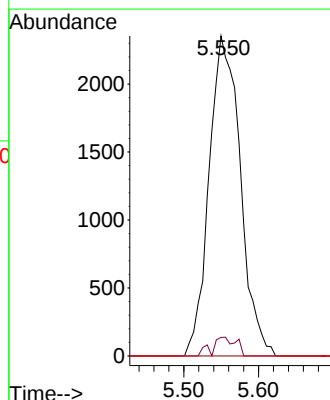
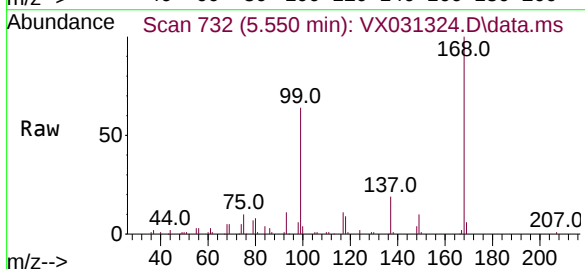
Tgt Ion: 117 Resp: 6838

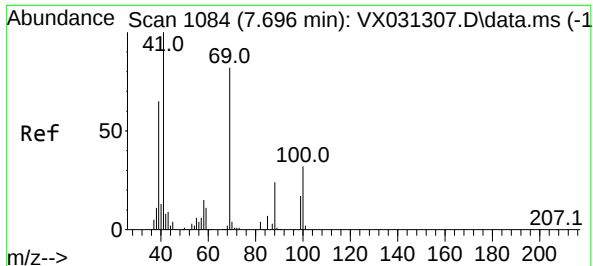
Ion Ratio Lower Upper

117 100

119 5.8 74.6 112.0#

121 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 0.308 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VX031324.D

Acq: 14 Sep 2022 22:35

Instrument :

MSVOA_X

ClientSampleId :

CO-1

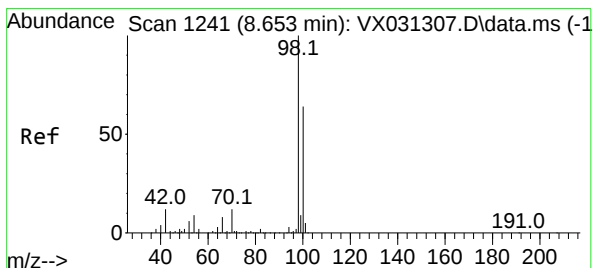
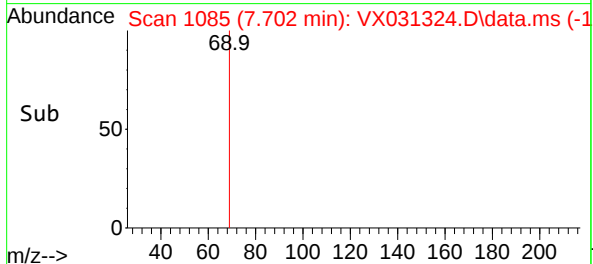
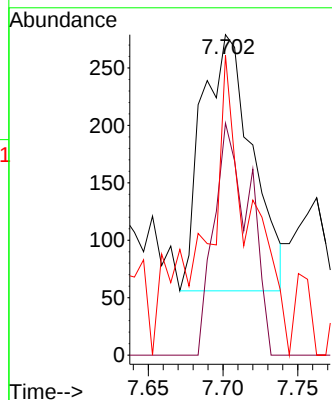
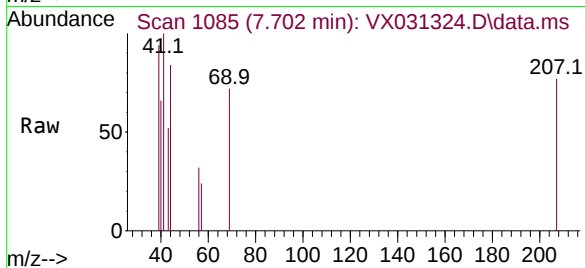
Tgt Ion: 41 Resp: 522

Ion Ratio Lower Upper

41 100

69 64.2 64.6 96.8#

39 107.1 51.4 77.0#



#50

Toluene-d8

Concen: 41.464 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031324.D

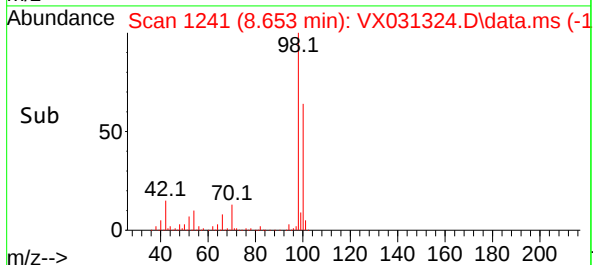
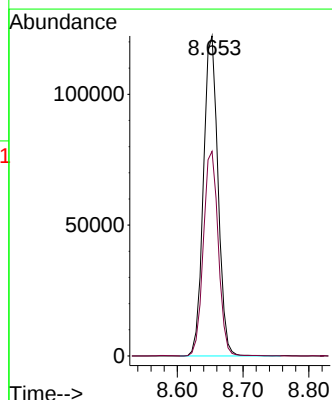
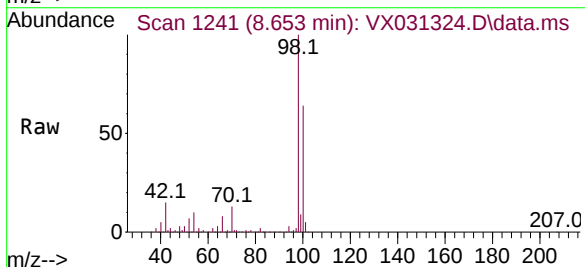
Acq: 14 Sep 2022 22:35

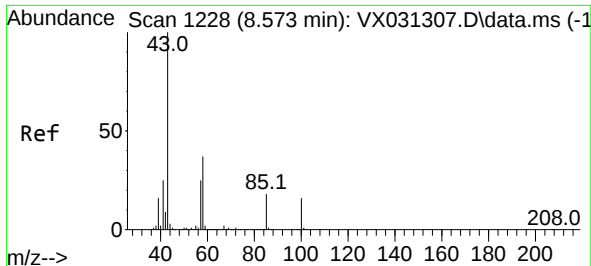
Tgt Ion: 98 Resp: 188659

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

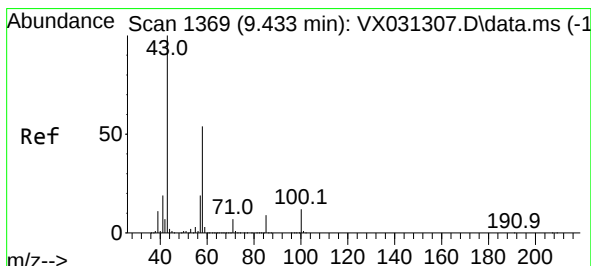
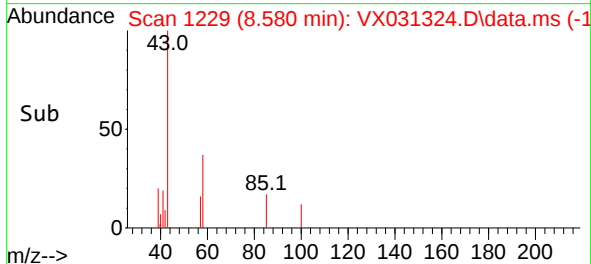
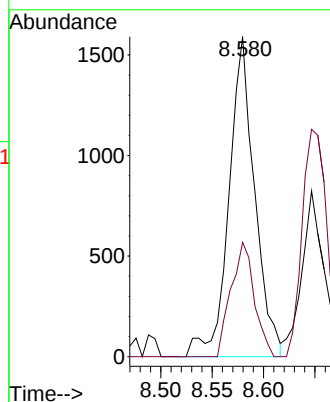
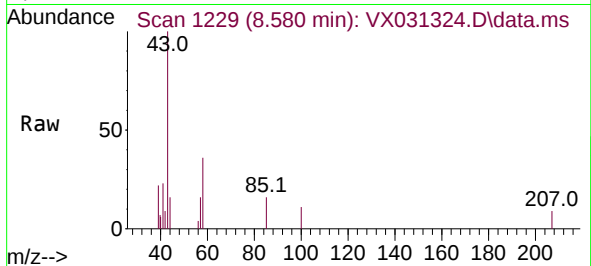




#51
4-Methyl-2-Pentanone
Concen: 1.225 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

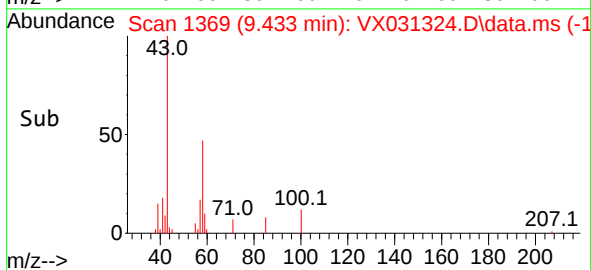
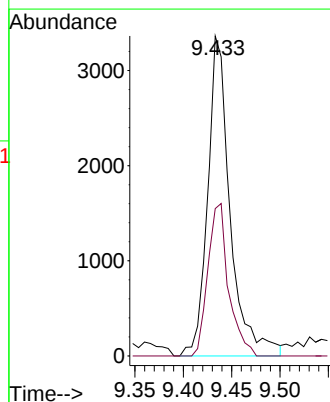
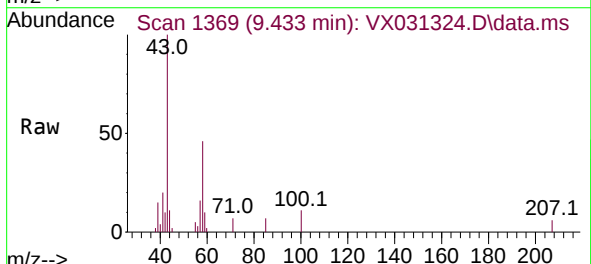
Instrument :
MSVOA_X
ClientSampleId :
CO-1

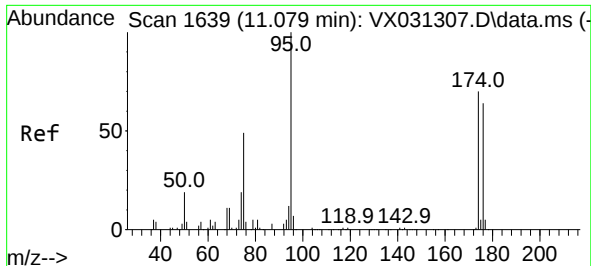
Tgt Ion: 43 Resp: 2772
Ion Ratio Lower Upper
43 100
58 32.3 30.6 46.0



#59
2-Hexanone
Concen: 3.155 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 43 Resp: 5450
Ion Ratio Lower Upper
43 100
58 43.7 26.7 80.0

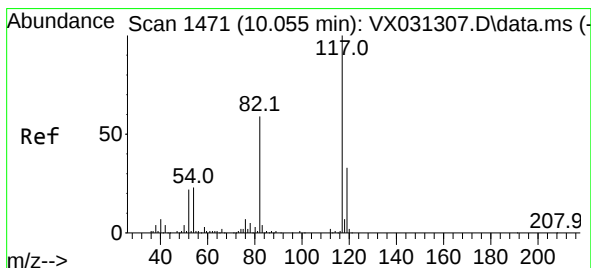
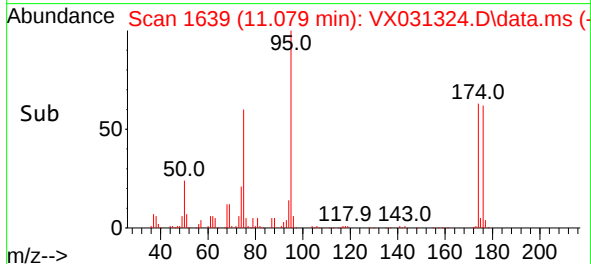
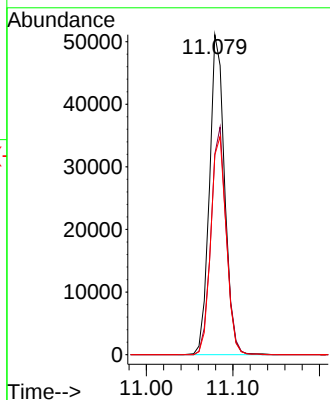
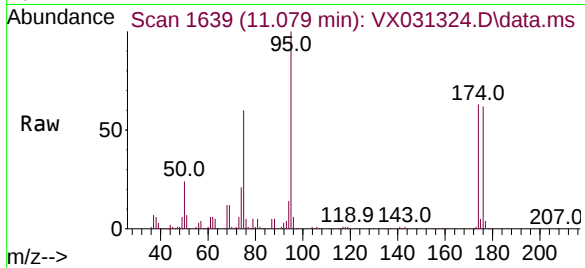




#62
4-Bromofluorobenzene
Concen: 37.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

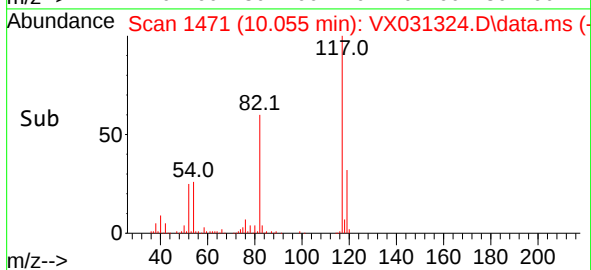
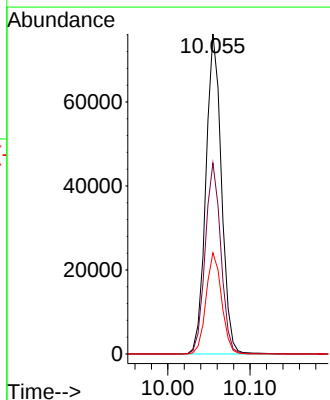
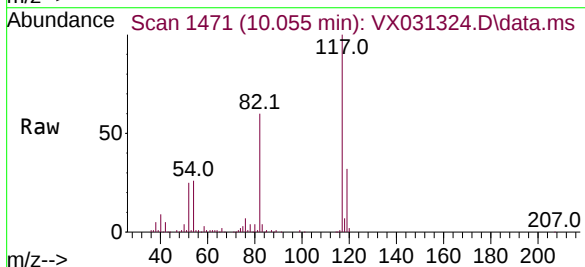
Instrument :
MSVOA_X
ClientSampleId :
CO-1

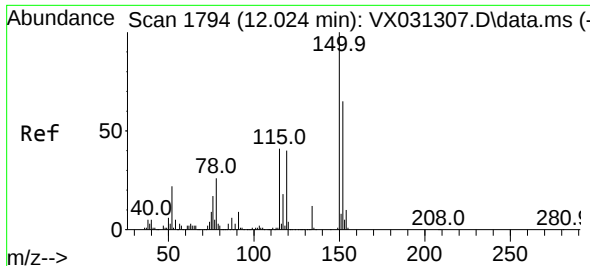
Tgt Ion: 95 Resp: 62137
Ion Ratio Lower Upper
95 100
174 71.6 0.0 153.2
176 69.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 117 Resp: 100032
Ion Ratio Lower Upper
117 100
82 59.7 46.8 70.2
119 31.6 26.4 39.6

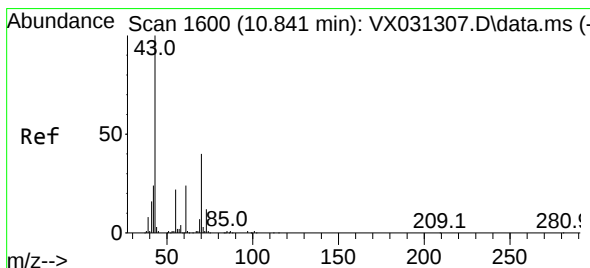
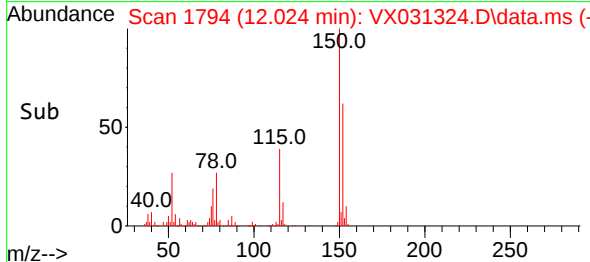
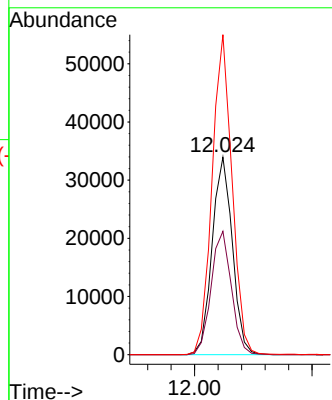
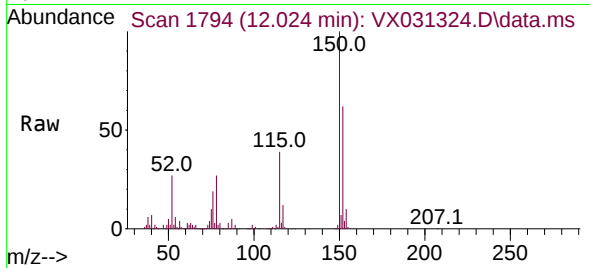




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

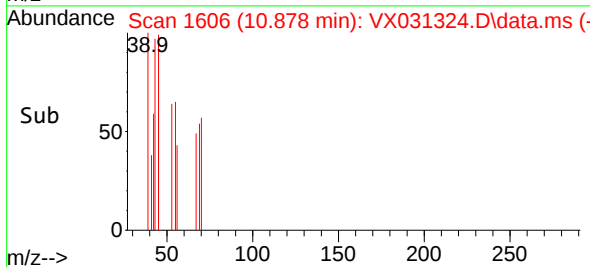
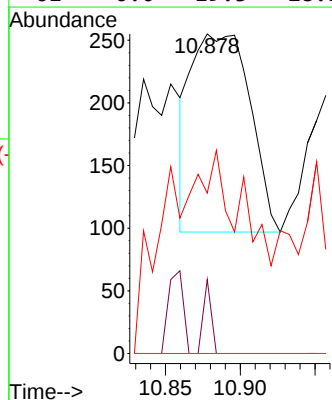
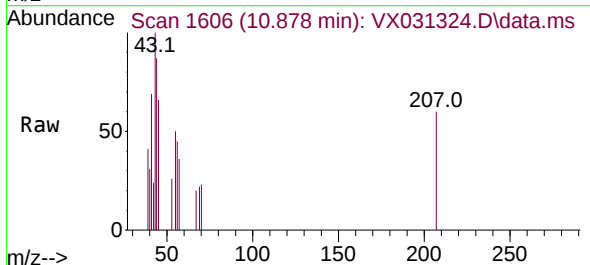
Instrument :
MSVOA_X
ClientSampleId :
CO-1

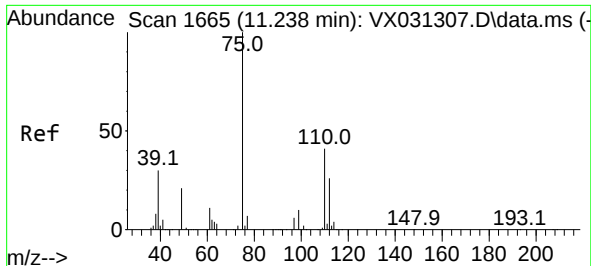
Tgt Ion:152 Resp: 40665
Ion Ratio Lower Upper
152 100
115 62.6 43.4 130.1
150 159.6 0.0 346.8



#74
N-ethyl acetate
Concen: 0.291 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.037 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 43 Resp: 434
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#

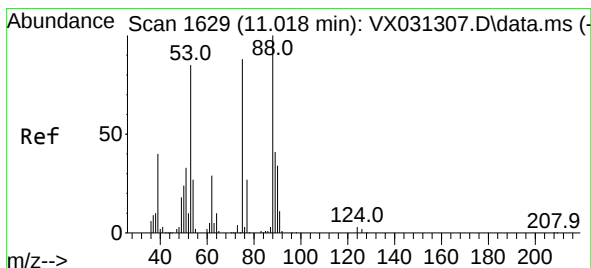
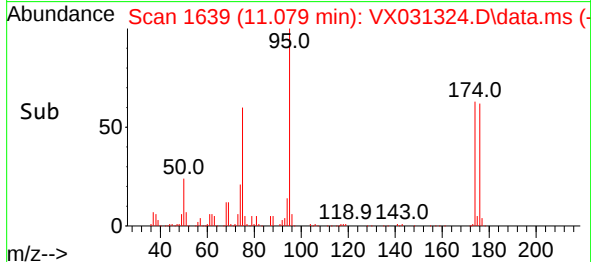
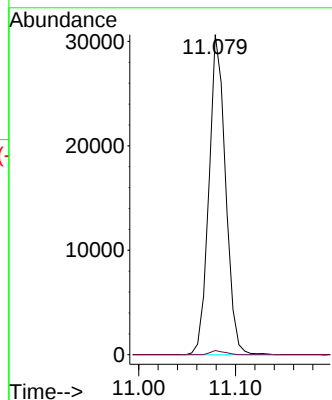
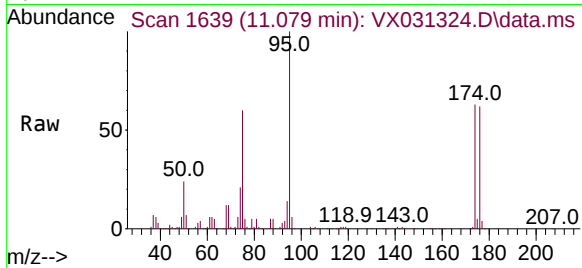




#76
1,2,3-Trichloropropane
Concen: 35.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Instrument :
MSVOA_X
ClientSampleId :
CO-1

Tgt Ion: 75 Resp: 36634
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031324.D
Acq: 14 Sep 2022 22:35

Tgt Ion: 75 Resp: 36634
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

