

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031463.D
 Acq On : 19 Sep 2022 16:22
 Operator : JC/MD
 Sample : N4509-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_114D-20220902

Quant Time: Sep 20 09:48:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

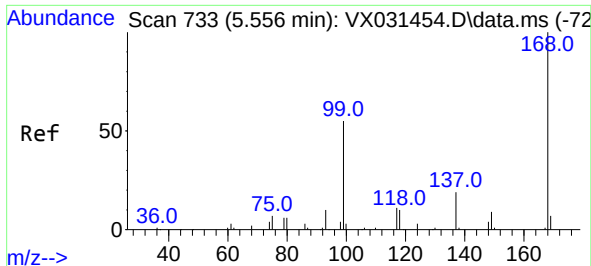
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	70728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65327	50.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.560%	
35) Dibromofluoromethane	5.391	113	53597	44.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.240%	
50) Toluene-d8	8.653	98	180689	38.661	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 77.320%#	
62) 4-Bromofluorobenzene	11.079	95	55926	35.326	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 70.660%#	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	578	0.264	ug/l	84
6) Chloroethane	1.703	64	196	Below Cal	#	43
10) Methyl Iodide	2.453	142	309	0.280	ug/l #	87
11) Tert butyl alcohol	2.953	59	1145	Below Cal	#	73
16) Acetone	2.380	43	9573	5.292	ug/l	95
17) Carbon Disulfide	2.514	76	611	0.206	ug/l #	75
18) Methyl Acetate	2.703	43	2181	1.125	ug/l	92
20) Methylene Chloride	2.788	84	4878	1.963	ug/l	87
25) 2-Butanone	4.568	43	1968	1.965	ug/l #	70
31) Cyclohexane	5.556	56	1957	1.017	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	5755	3.086	ug/l #	50
37) Ethyl Acetate	4.714	43	12852	5.777	ug/l	98
38) Carbon Tetrachloride	5.556	117	7063	3.417	ug/l #	17
43) Isopropyl Acetate	6.342	43	54550	15.955	ug/l	98
48) Methyl methacrylate	7.799	41	51432	32.927	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	41474	18.860	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	17917	7.823	ug/l #	64
56) Ethyl methacrylate	9.244	69	437	0.206	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2450	0.999	ug/l #	43
59) 2-Hexanone	9.482	43	31643	19.159	ug/l #	52
74) N-amyl acetate	10.823	43	410	0.282	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.079	83	68	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	32607	30.371	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32607	97.792	ug/l #	11
94) Hexachlorobutadiene	13.725	225	128	Below Cal	#	29
95) Naphthalene	13.780	128	789	0.229	ug/l #	81

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

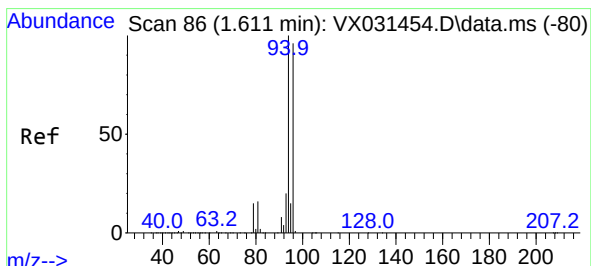
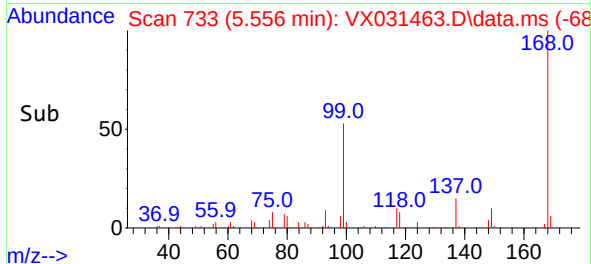
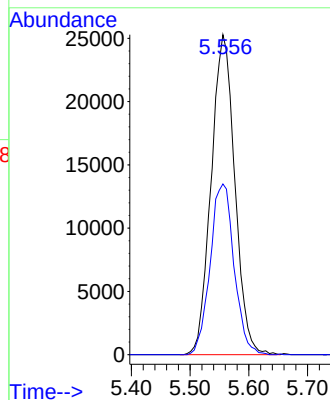
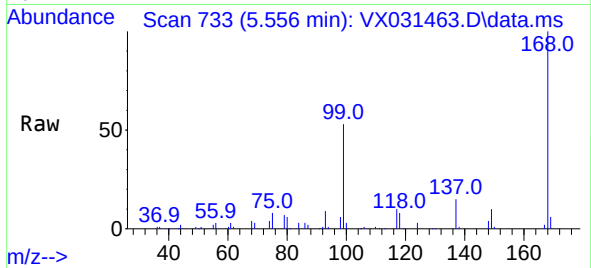




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

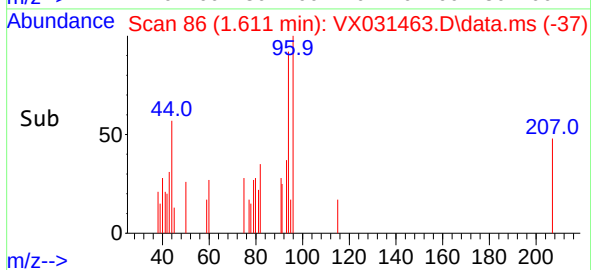
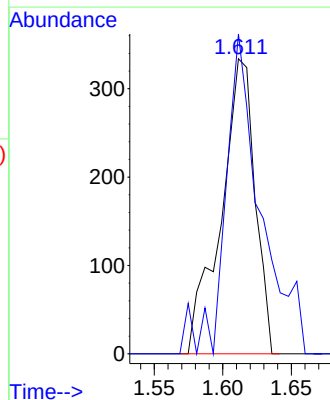
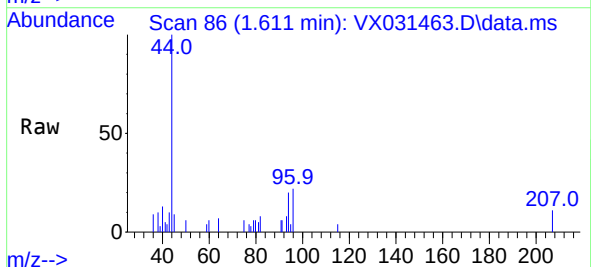
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

Tgt Ion:168 Resp: 70728
Ion Ratio Lower Upper
168 100
99 53.3 48.8 73.2

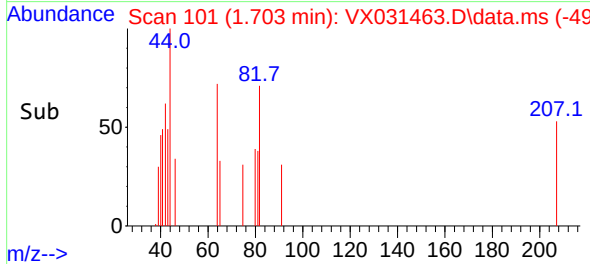
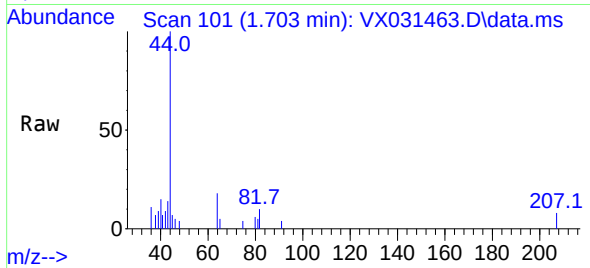
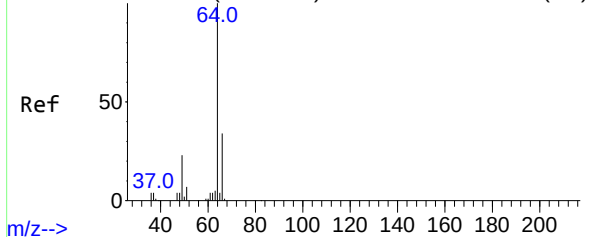


#5
Bromomethane
Concen: 0.264 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 94 Resp: 578
Ion Ratio Lower Upper
94 100
96 108.4 74.4 111.6



Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.703 min Scan# 101

Delta R.T. 0.018 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

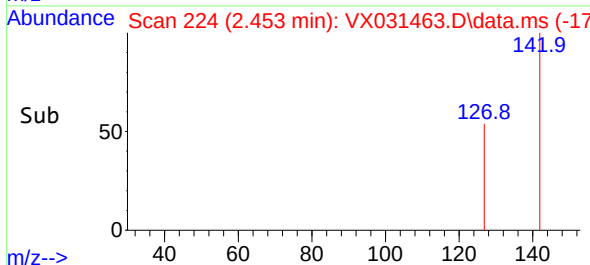
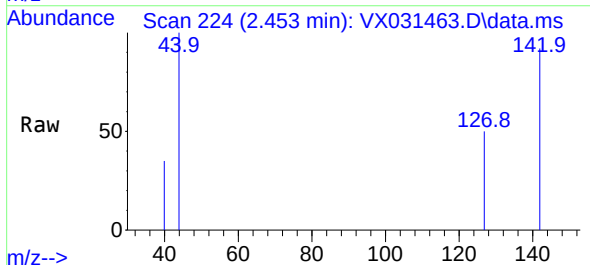
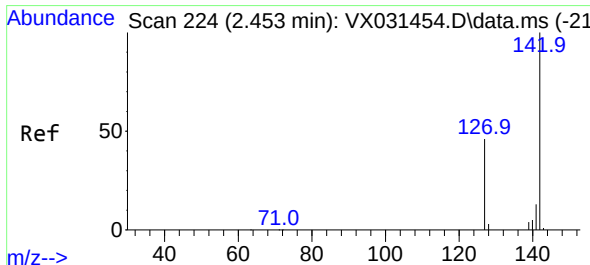
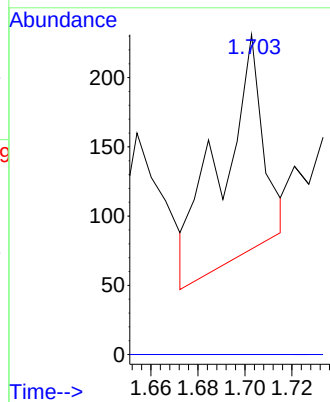
S1-SO_114D-20220902

Tgt Ion: 64 Resp: 196

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



#10

Methyl Iodide

Concen: 0.280 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.000 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

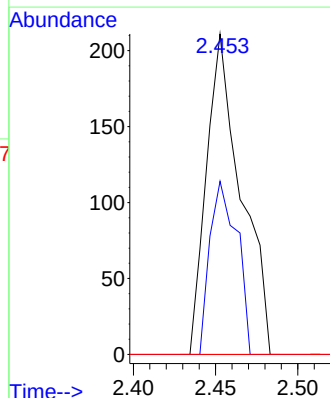
Tgt Ion: 142 Resp: 309

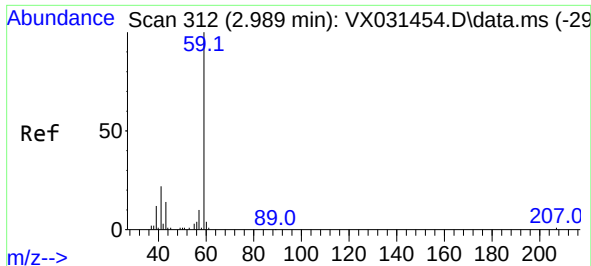
Ion Ratio Lower Upper

142 100

127 42.4 37.4 56.0

141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX031463.D

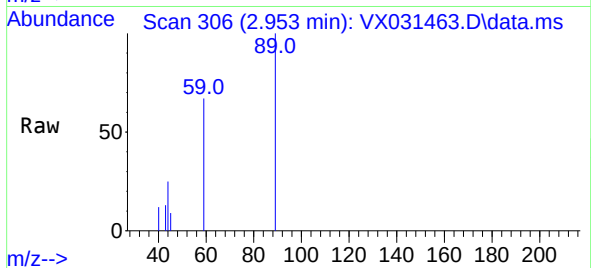
Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902

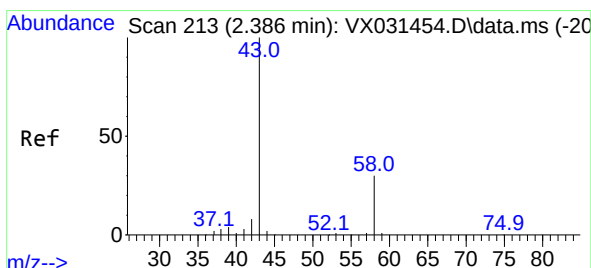
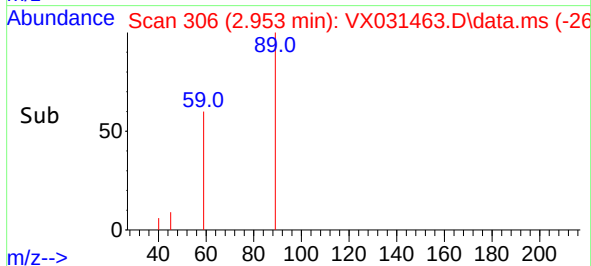
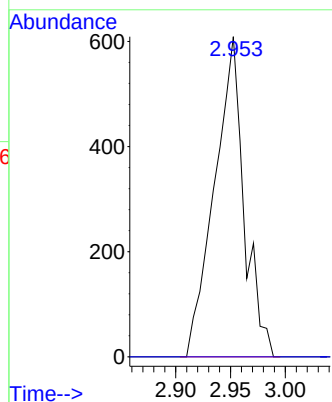


Tgt Ion: 59 Resp: 1145

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 5.292 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX031463.D

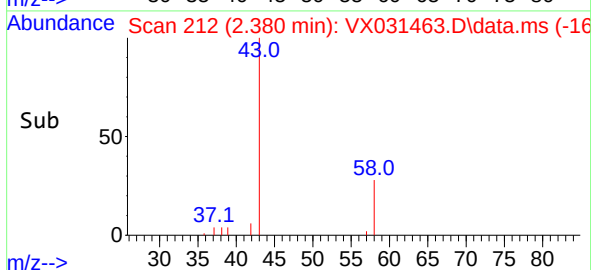
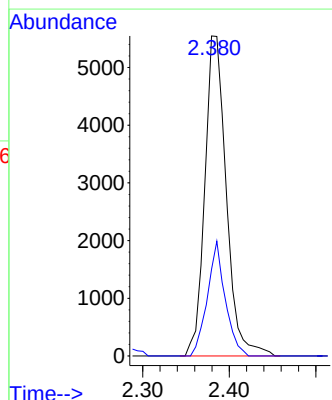
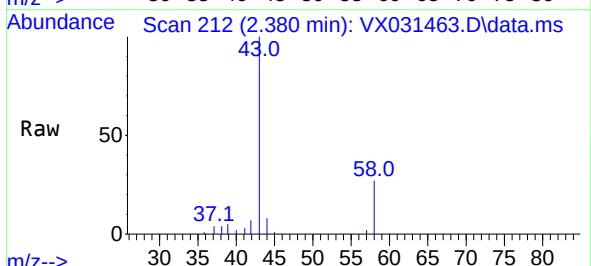
Acq: 19 Sep 2022 16:22

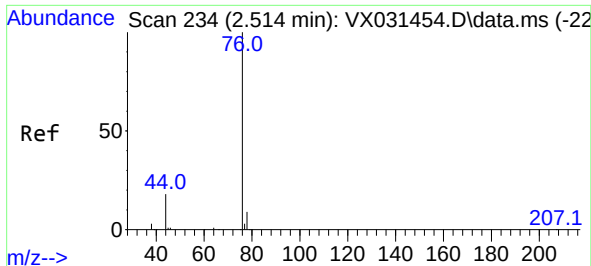
Tgt Ion: 43 Resp: 9573

Ion Ratio Lower Upper

43 100

58 27.1 23.8 35.8

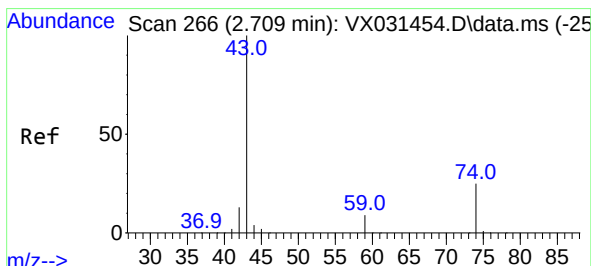
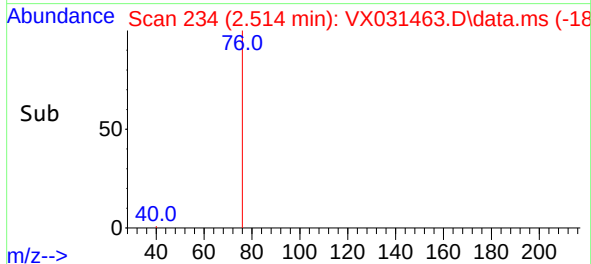
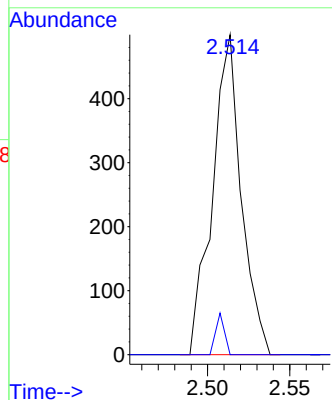
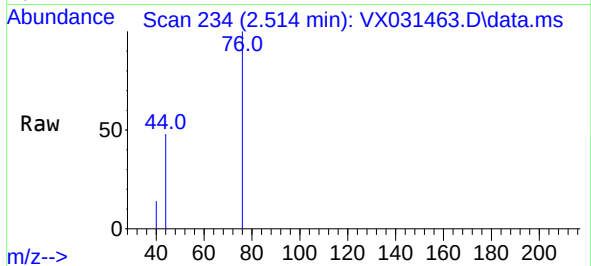




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

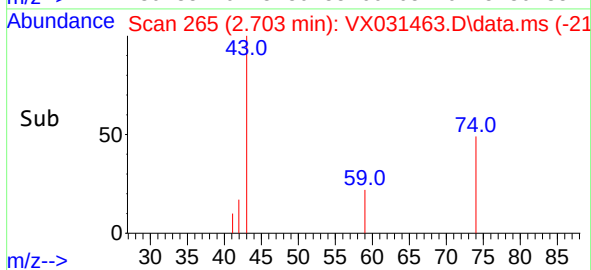
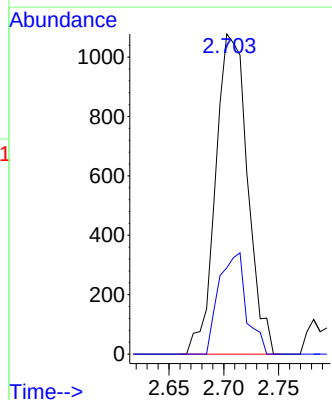
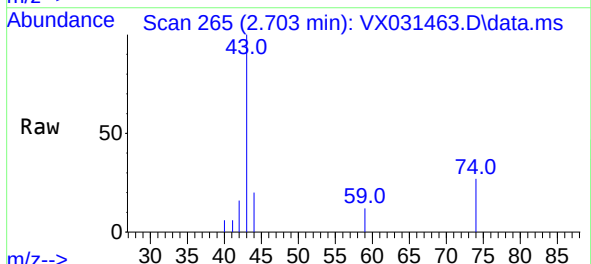
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

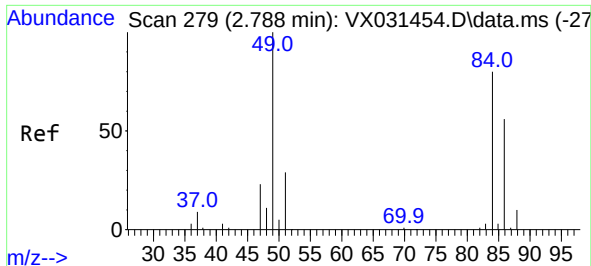
Tgt Ion: 76 Resp: 611
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.125 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 43 Resp: 2181
Ion Ratio Lower Upper
43 100
74 27.1 18.6 27.8





#20

Methylene Chloride

Concen: 1.963 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031463.D

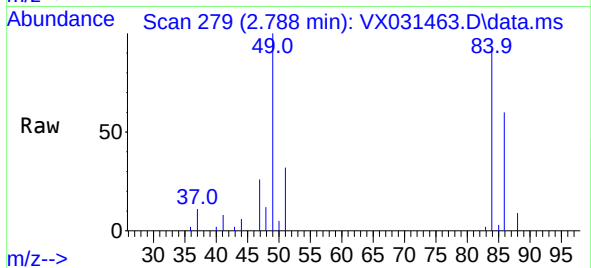
Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902



Tgt Ion: 84 Resp: 4878

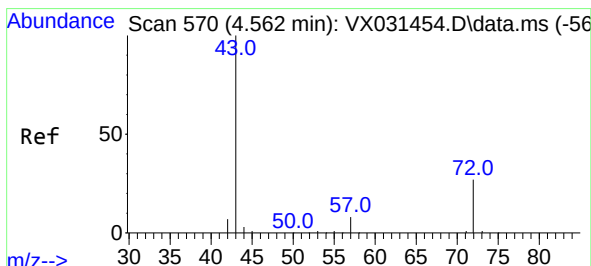
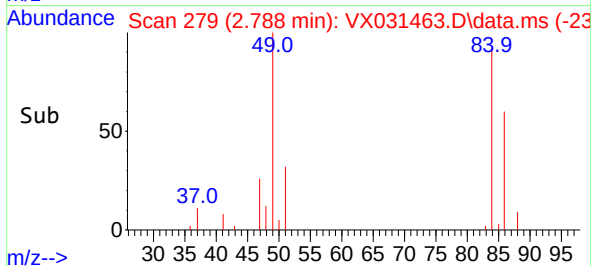
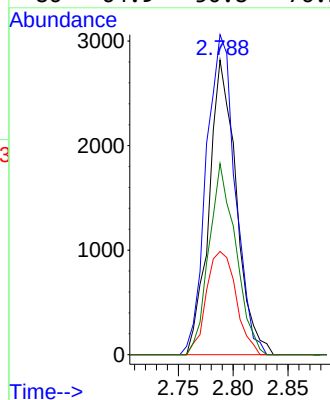
Ion Ratio Lower Upper

84 100

49 108.6 105.9 158.9

51 35.0 32.2 48.2

86 64.9 50.8 76.2



#25

2-Butanone

Concen: 1.965 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX031463.D

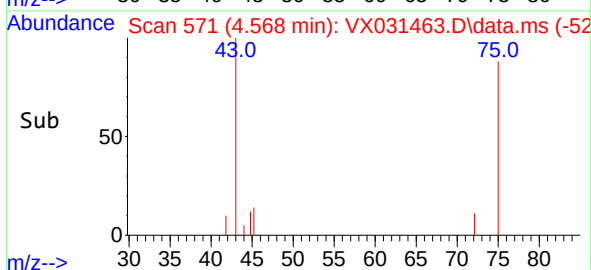
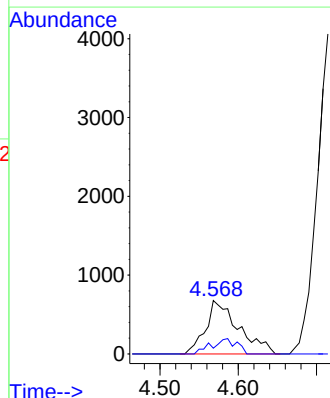
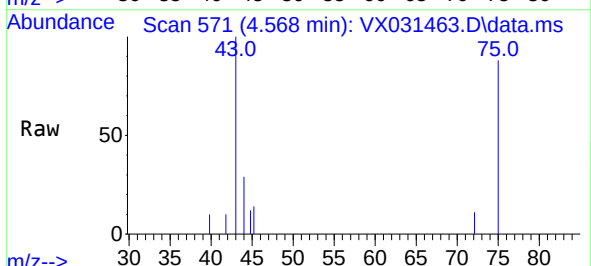
Acq: 19 Sep 2022 16:22

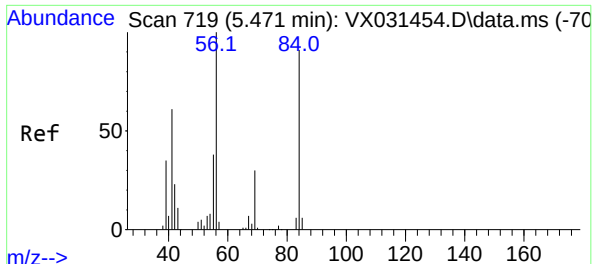
Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

43 100

72 10.8 21.1 31.7#

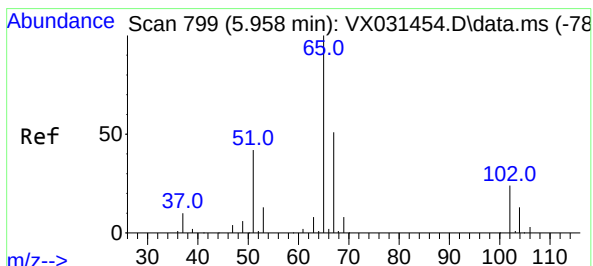
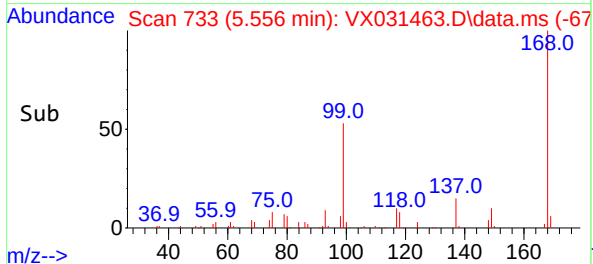
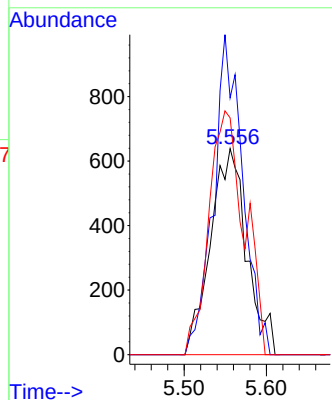
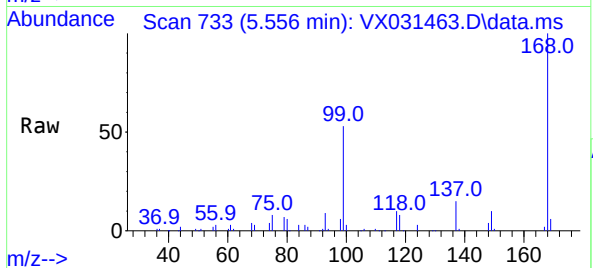




#31
Cyclohexane
Concen: 1.017 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

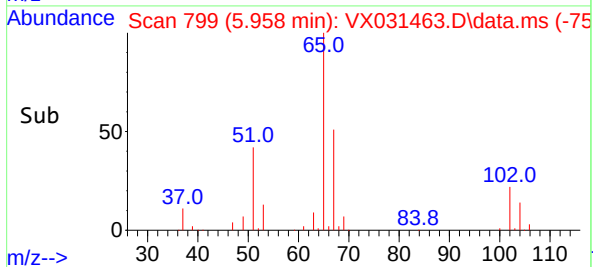
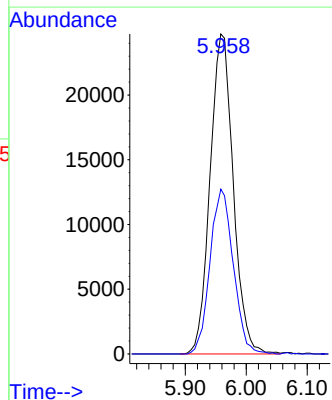
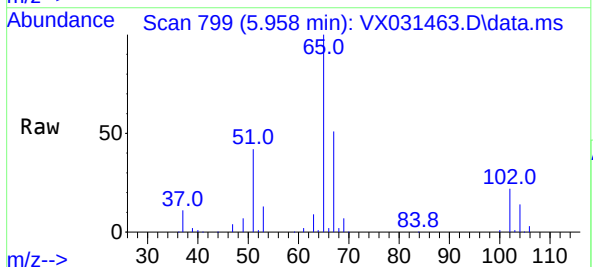
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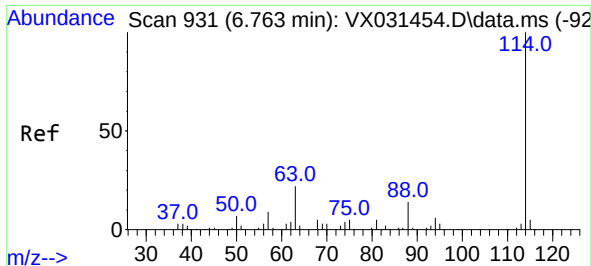
Tgt Ion: 56 Resp: 1957
Ion Ratio Lower Upper
56 100
69 124.6 25.1 37.7#
84 114.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 50.276 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 65 Resp: 65327
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

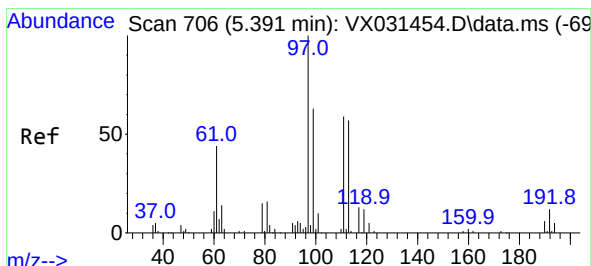
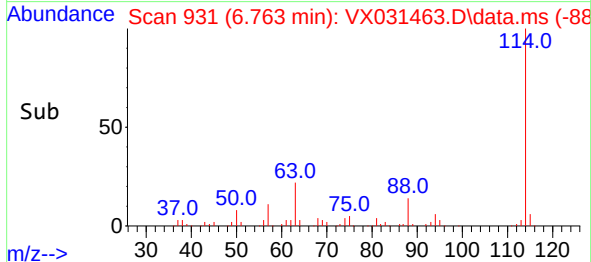
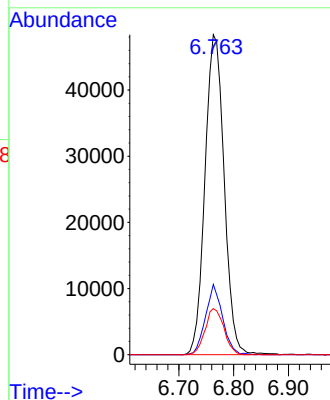
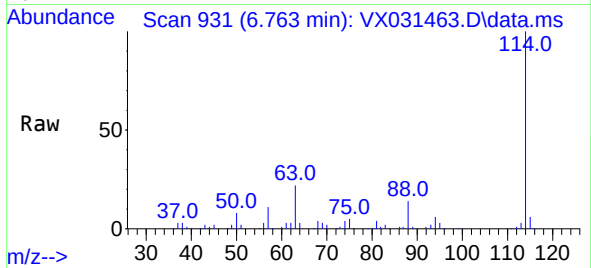




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

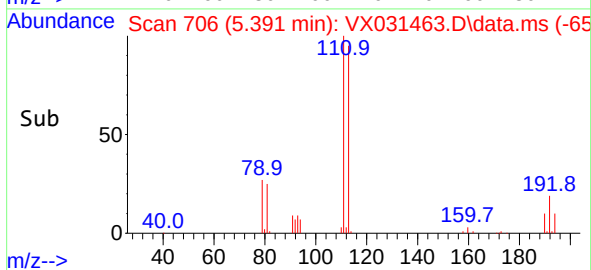
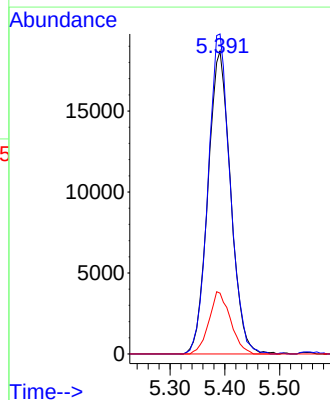
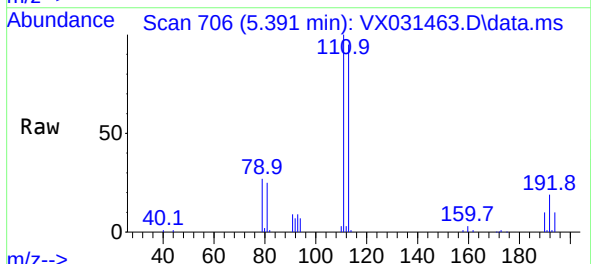
Instrument :
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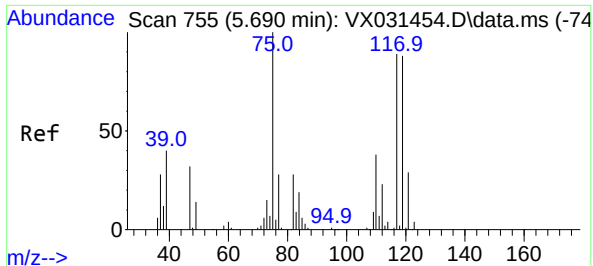
Tgt Ion:114 Resp: 117309
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.6
88 14.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 44.118 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion:113 Resp: 53597
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 19.5 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.086 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031463.D

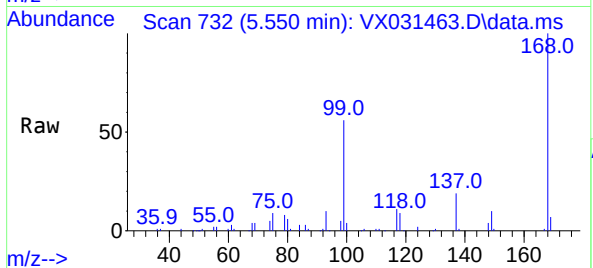
Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_114D-20220902



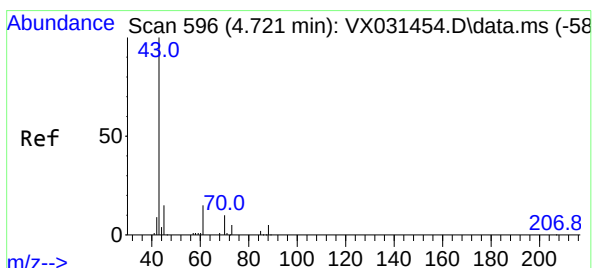
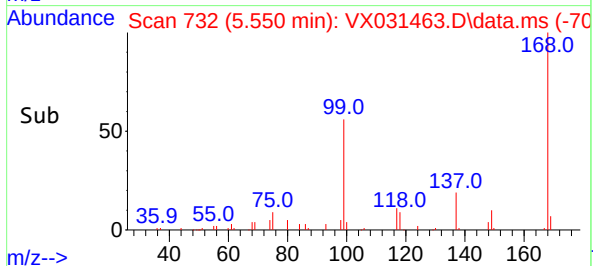
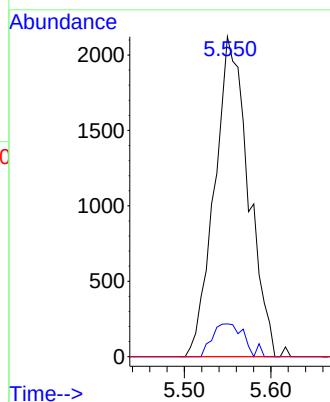
Tgt Ion: 75 Resp: 5755

Ion Ratio Lower Upper

75 100

110 9.1 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 5.777 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.007 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

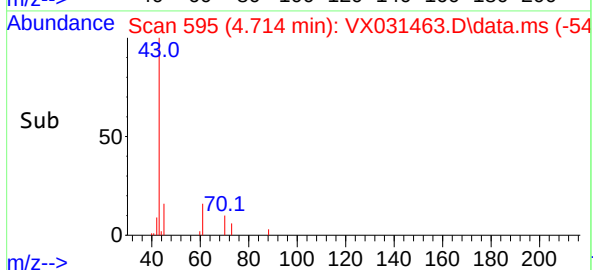
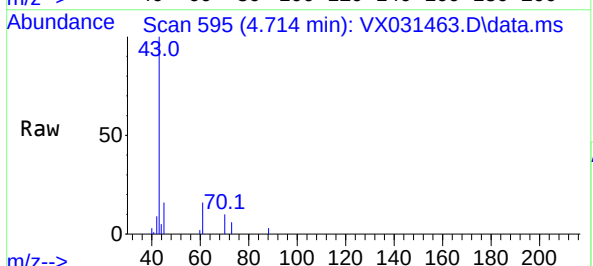
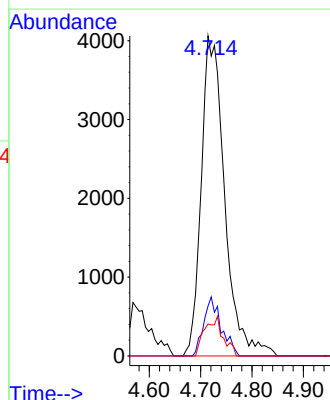
Tgt Ion: 43 Resp: 12852

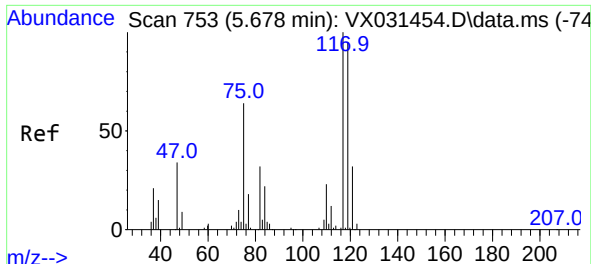
Ion Ratio Lower Upper

43 100

61 13.8 11.1 16.7

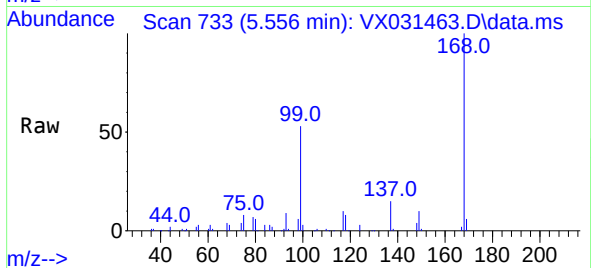
70 9.6 8.6 13.0



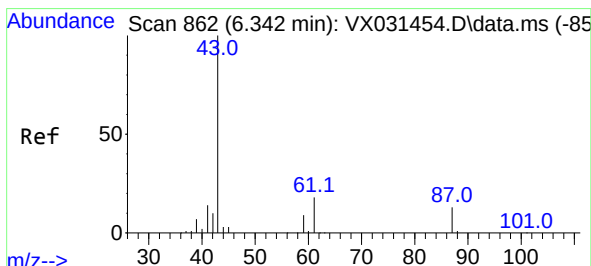
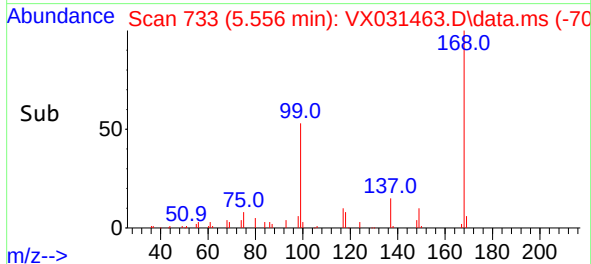
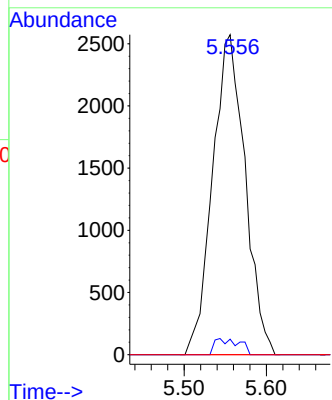


#38
Carbon Tetrachloride
Concen: 3.417 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

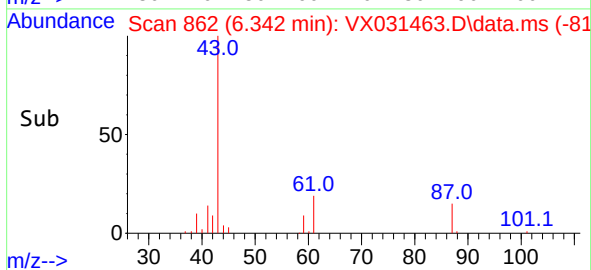
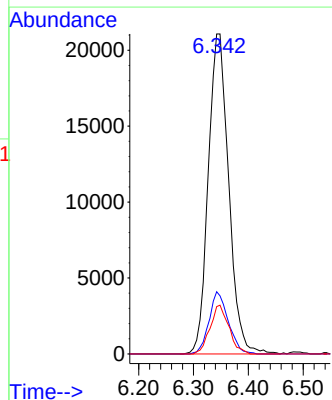
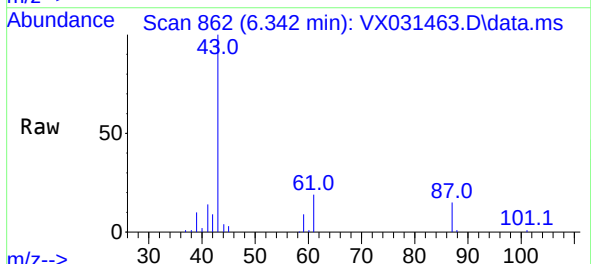


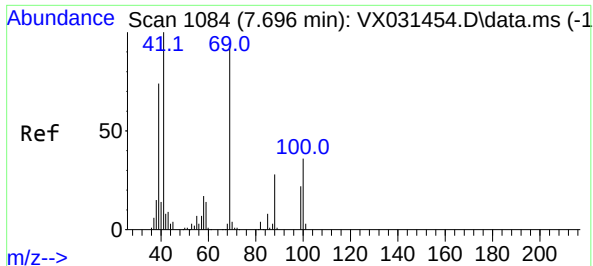
Tgt Ion:117 Resp: 7063
Ion Ratio Lower Upper
117 100
119 4.9 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 15.955 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 43 Resp: 54550
Ion Ratio Lower Upper
43 100
61 18.3 15.3 22.9
87 14.1 10.6 15.8





#48

Methyl methacrylate

Concen: 32.927 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031463.D

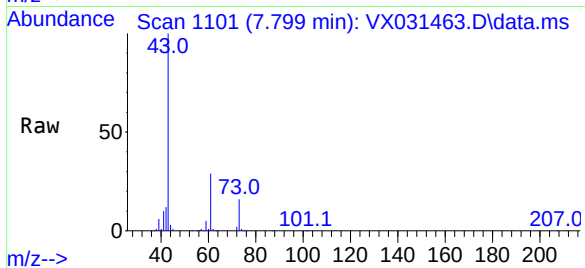
Acq: 19 Sep 2022 16:22

Instrument :

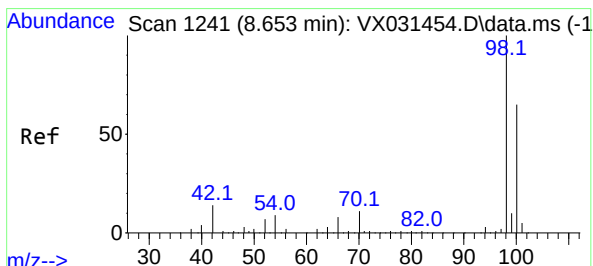
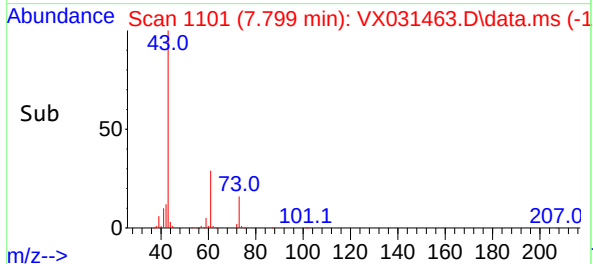
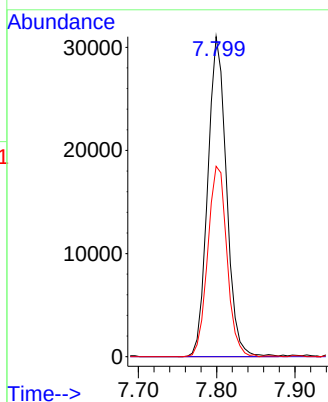
MSVOA_X

ClientSampleId :

S1-SO_114D-20220902



Tgt Ion:	41	Resp:	51432
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	61.2	51.4	77.0



#50

Toluene-d8

Concen: 38.661 ug/l

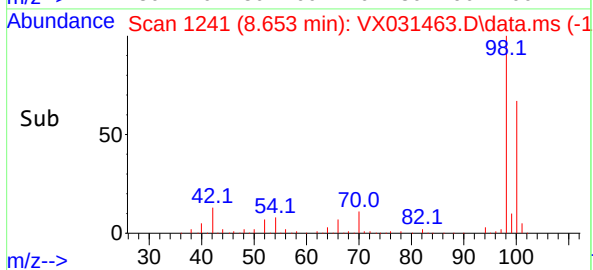
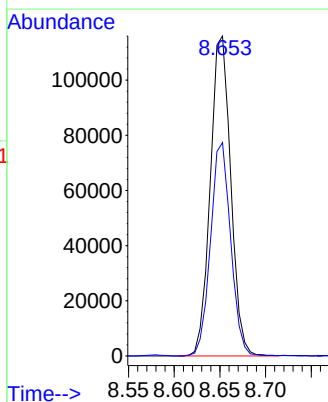
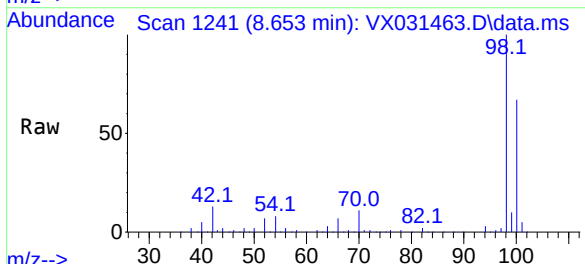
RT: 8.653 min Scan# 1241

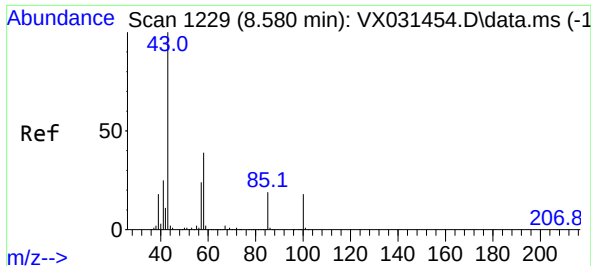
Delta R.T. -0.000 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

Tgt Ion:	98	Resp:	180689
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 18.860 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

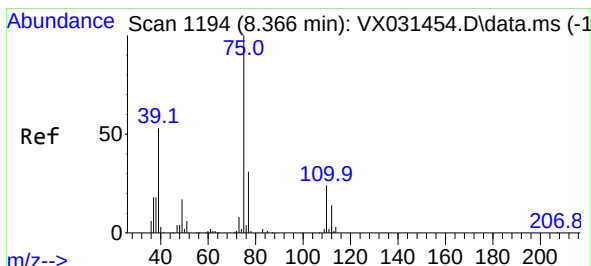
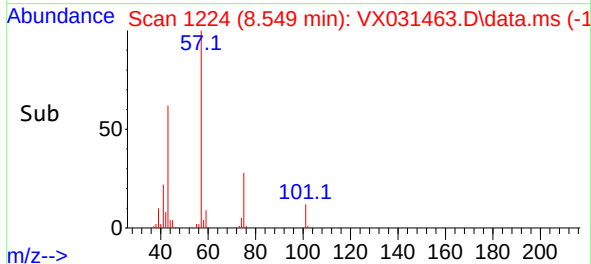
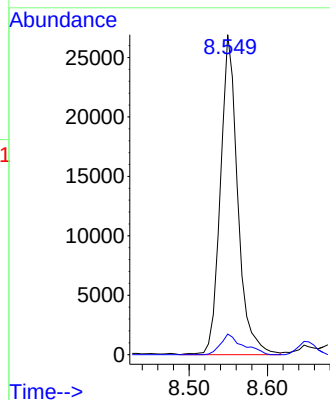
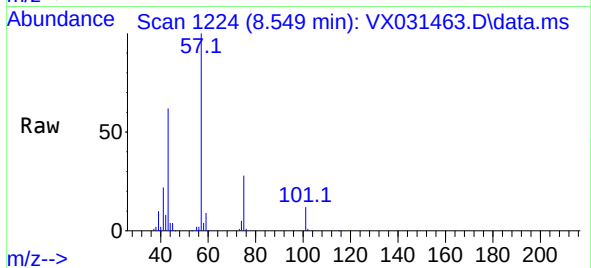
S1-SO_114D-20220902

Tgt Ion: 43 Resp: 41474

Ion Ratio Lower Upper

43 100

58 8.2 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.823 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

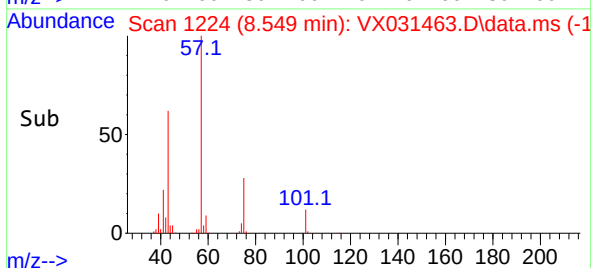
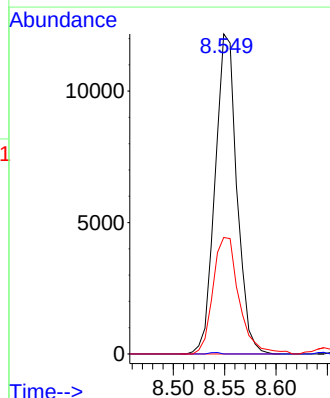
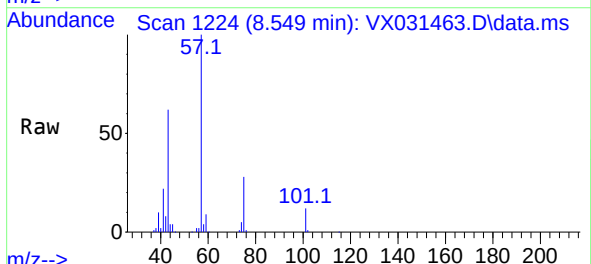
Tgt Ion: 75 Resp: 17917

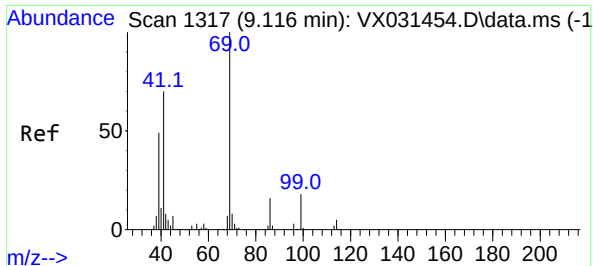
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 36.4 43.7 65.5#

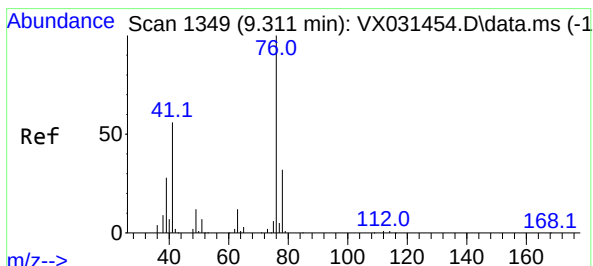
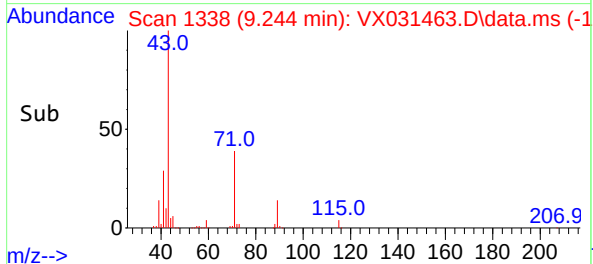
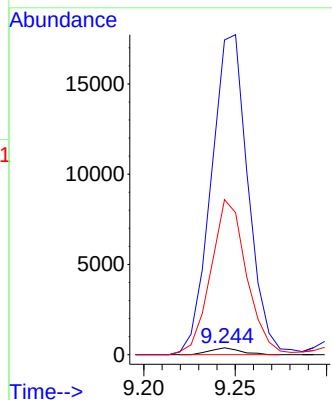
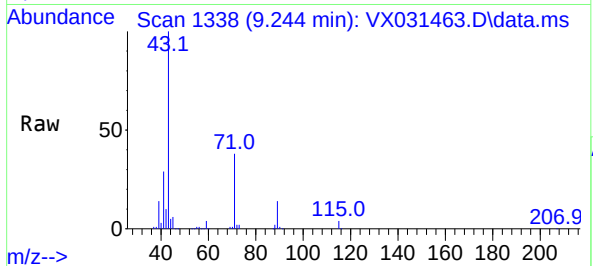




#56
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

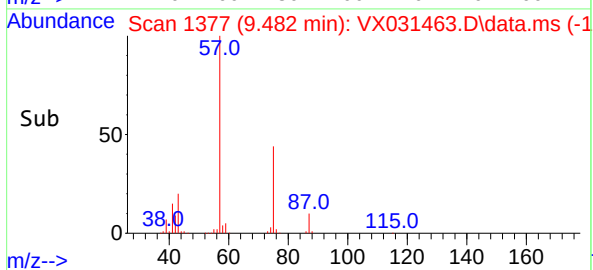
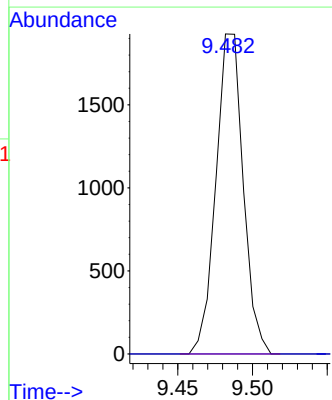
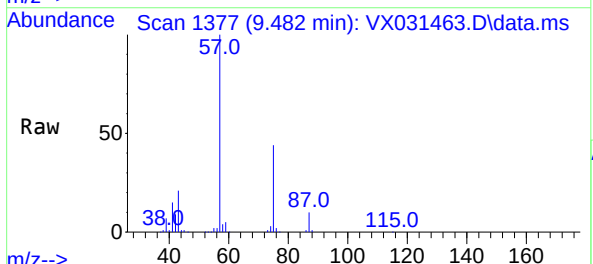
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

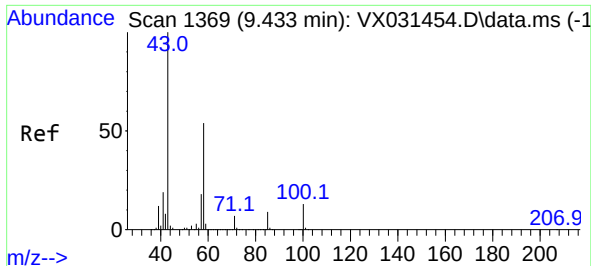
Tgt Ion: 69 Resp: 437
Ion Ratio Lower Upper
69 100
41 5716.5 54.2 81.4#
39 2691.8 34.2 51.2#



#57
1,3-Dichloropropane
Concen: 0.999 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 76 Resp: 2450
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 19.159 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

Instrument :

MSVOA_X

ClientSampleId :

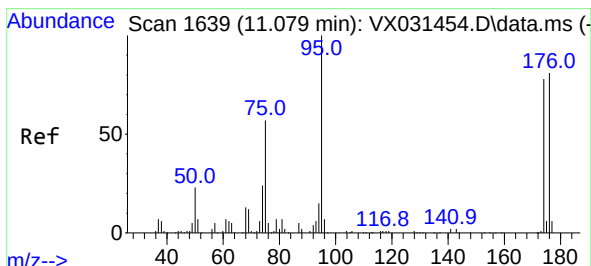
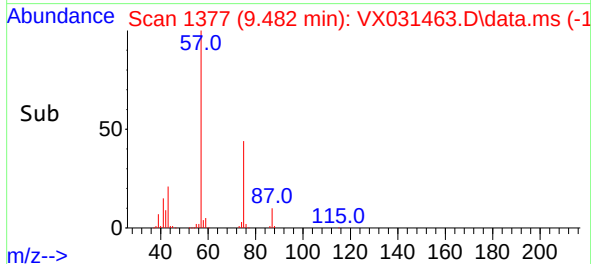
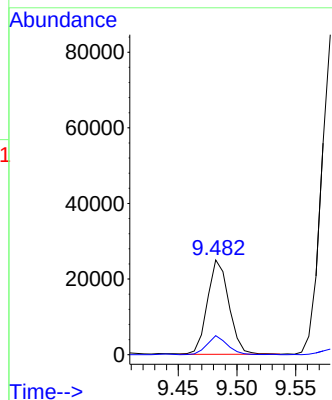
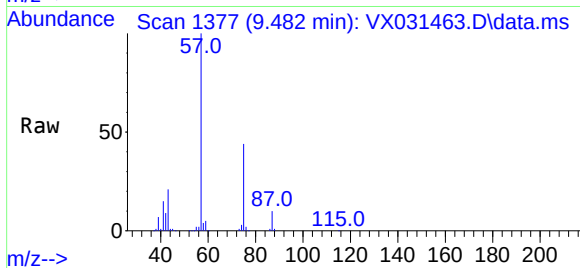
S1-SO_114D-20220902

Tgt Ion: 43 Resp: 31643

Ion Ratio Lower Upper

43 100

58 19.1 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 35.326 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031463.D

Acq: 19 Sep 2022 16:22

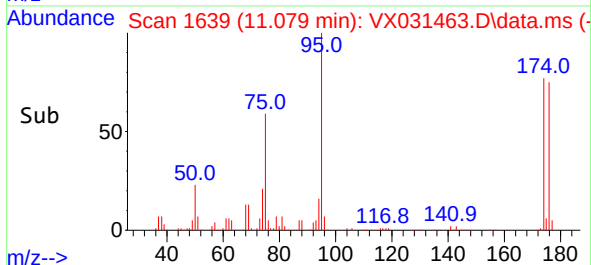
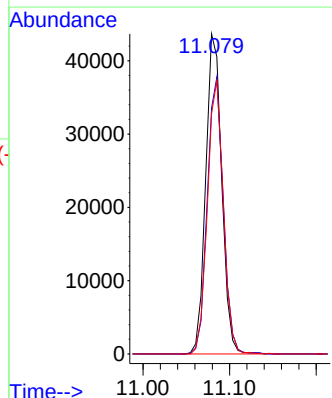
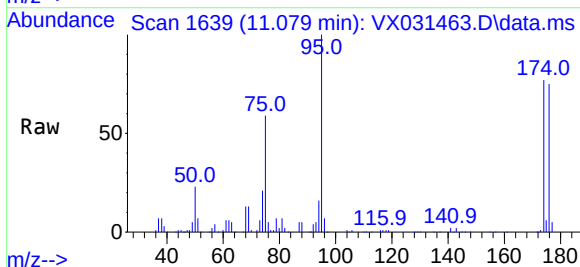
Tgt Ion: 95 Resp: 55926

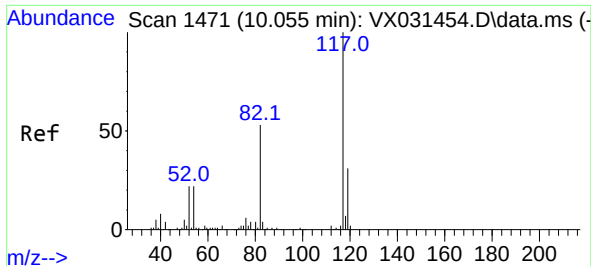
Ion Ratio Lower Upper

95 100

174 86.7 0.0 153.2

176 85.1 0.0 144.0

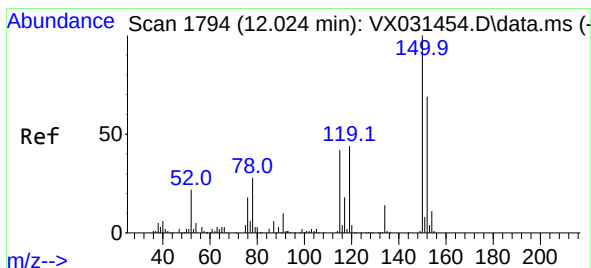
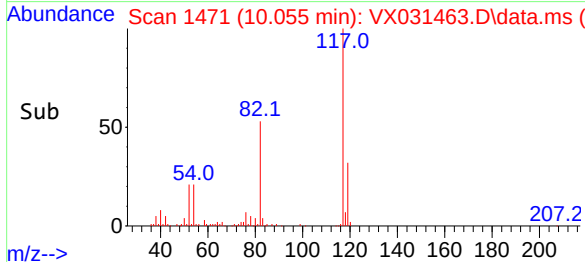
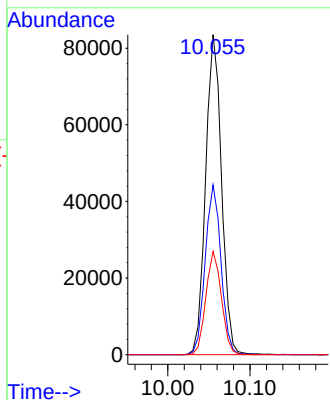
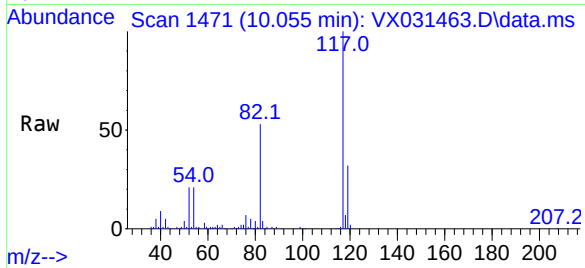




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

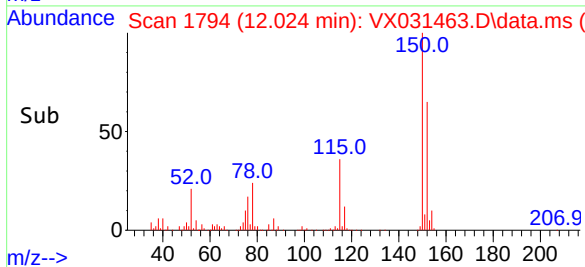
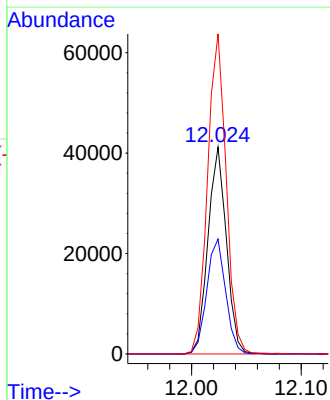
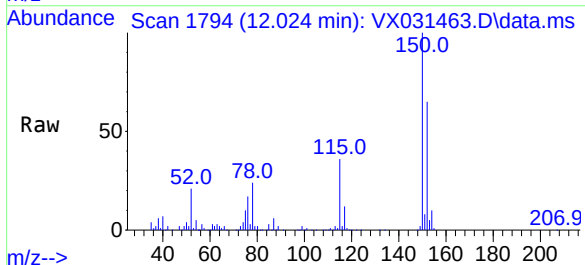
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

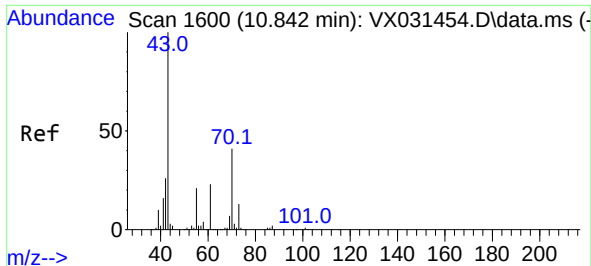
Tgt Ion:117 Resp: 112366
Ion Ratio Lower Upper
117 100
82 53.1 46.8 70.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

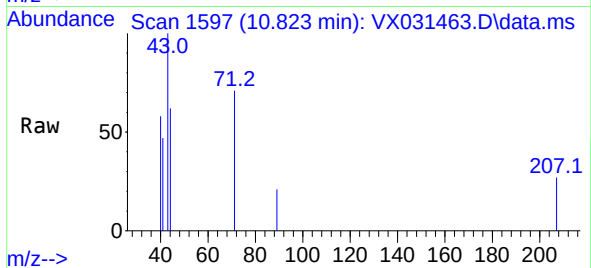
Tgt Ion:152 Resp: 48103
Ion Ratio Lower Upper
152 100
115 57.0 43.4 130.1
150 156.3 0.0 346.8



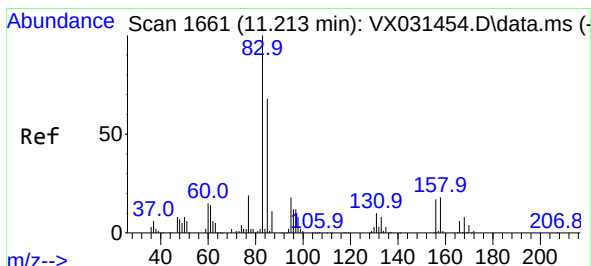
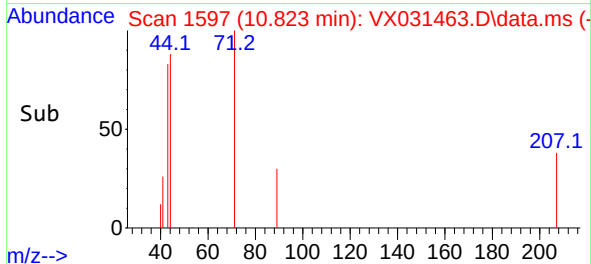
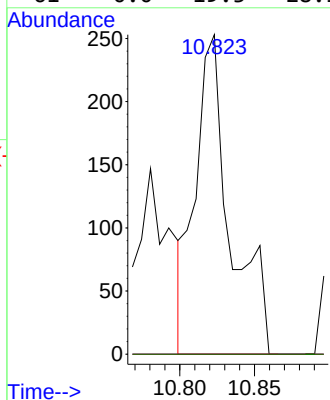


#74
N-amy1 acetate
Concen: 0.282 ug/l
RT: 10.823 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

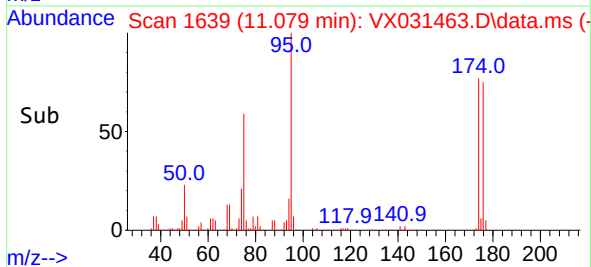
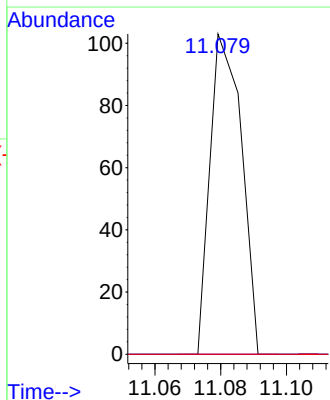
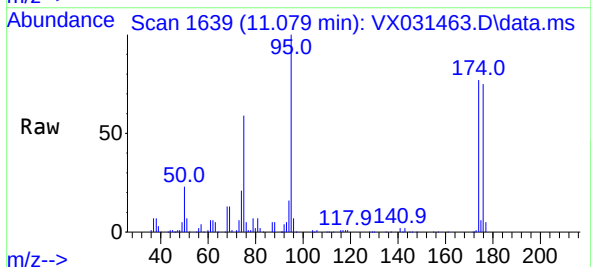


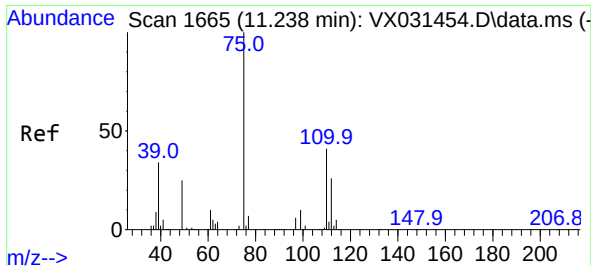
Tgt Ion:	43	Resp:	410
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.2#
55	0.0	18.2	27.2#
61	0.0	19.3	28.9#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion:	83	Resp:	68
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	0.0	32.6	97.8#

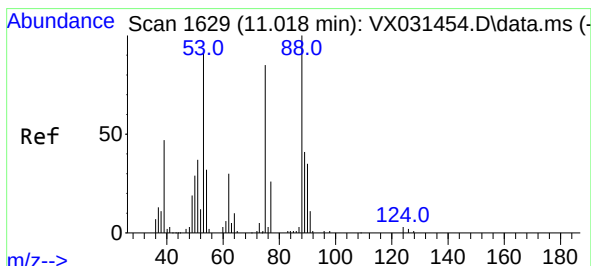
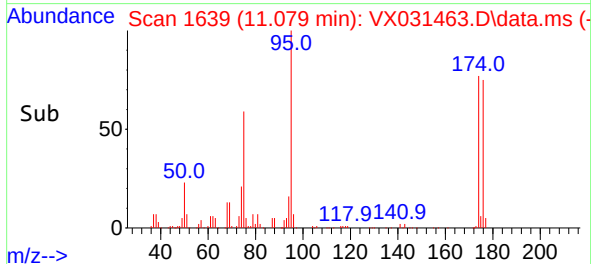
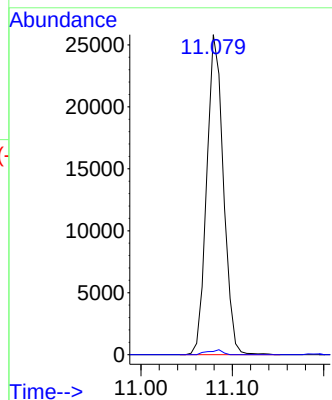
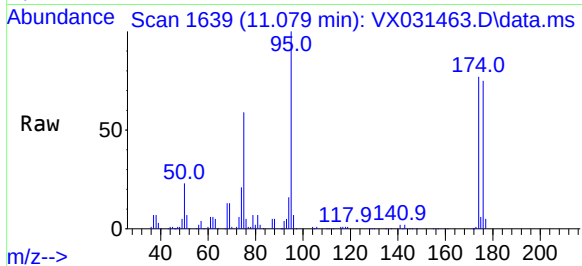




#76
1,2,3-Trichloropropane
Concen: 30.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

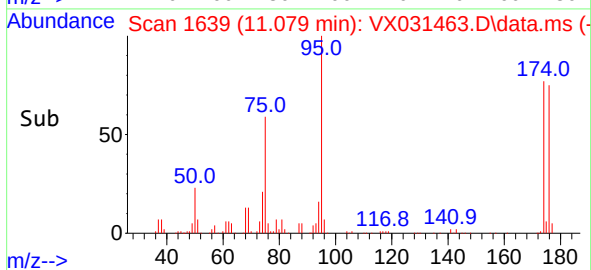
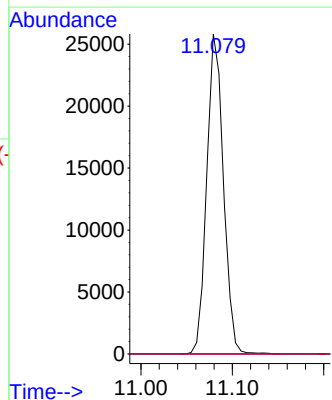
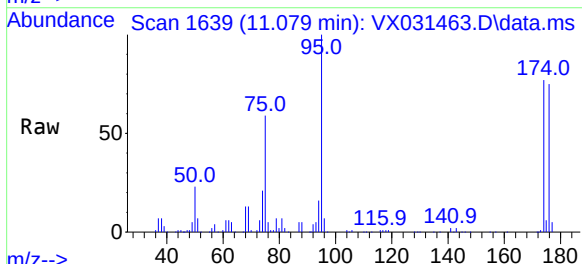
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

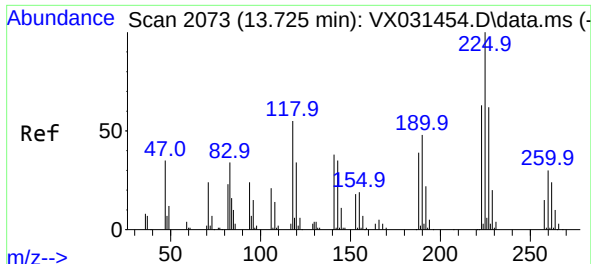
Tgt Ion: 75 Resp: 32607
Ion Ratio Lower Upper
75 100
77 1.4 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion: 75 Resp: 32607
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

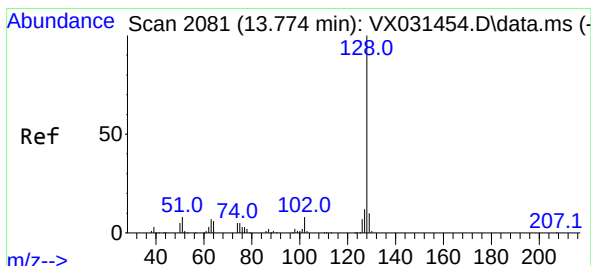
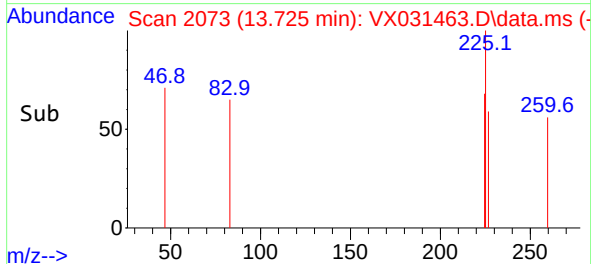
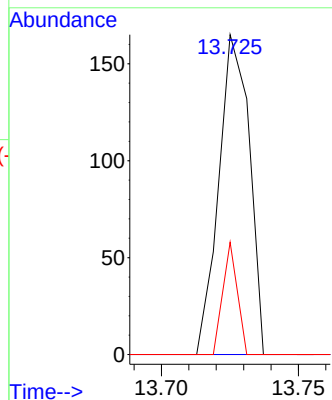
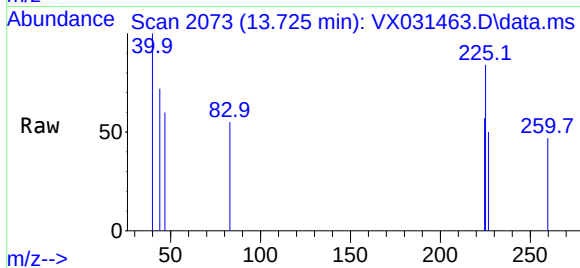




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902

Tgt Ion:225 Resp: 128
Ion Ratio Lower Upper
225 100
223 0.0 30.8 92.4#
227 16.4 32.3 96.9#



#95
Naphthalene
Concen: 0.229 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031463.D
Acq: 19 Sep 2022 16:22

Tgt Ion:128 Resp: 789
Ion Ratio Lower Upper
128 100
127 6.1 10.4 15.6#
129 2.9 8.8 13.2#

