

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090822\
 Data File : VX031215.D
 Acq On : 08 Sep 2022 16:40
 Operator : JC/MD
 Sample : N4505-01ME
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

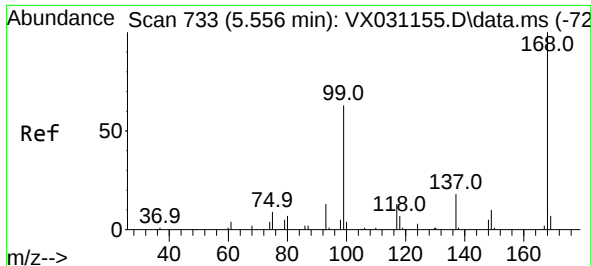
Instrument :
 MSVOA_X
 ClientSampleId :
 31181ME

Quant Time: Sep 08 18:40:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	73196	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	125141	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	107193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59021	34.058	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	68.120%#		
35) Dibromofluoromethane	5.391	113	40126	29.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	58.840%#		
50) Toluene-d8	8.647	98	141794	28.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	57.240%#		
62) 4-Bromofluorobenzene	11.085	95	54456	29.992	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	59.980%#		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	223	0.327	ug/l	# 76
10) Methyl Iodide	2.428	142	774	0.476	ug/l	# 74
11) Tert butyl alcohol	3.014	59	206	Below Cal		# 74
13) Acrolein	1.983	56	70	0.291	ug/l	# 14
16) Acetone	2.422	43	423	0.705	ug/l	# 40
18) Methyl Acetate	2.727	43	424	0.273	ug/l	# 51
20) Methylene Chloride	2.770	84	528	0.374	ug/l	# 61
25) 2-Butanone	4.605	43	4538	5.106	ug/l	# 80
29) Tetrahydrofuran	5.056	42	210	0.400	ug/l	# 86
31) Cyclohexane	5.556	56	1778	0.918	ug/l	# 32
36) 1,1-Dichloropropene	5.544	75	6963	3.409	ug/l	# 48
37) Ethyl Acetate	4.702	43	574	0.317	ug/l	# 67
38) Carbon Tetrachloride	5.544	117	9612	4.473	ug/l	# 17
43) Isopropyl Acetate	6.373	43	1218	0.426	ug/l	# 60
51) 4-Methyl-2-Pentanone	8.641	43	640	0.366	ug/l	# 1
52) Toluene	8.720	92	4054	1.108	ug/l	96
67) Ethyl Benzene	10.195	91	1182	0.207	ug/l	96
68) m/p-Xylenes	10.305	106	1612	0.760	ug/l	91
69) o-Xylene	10.640	106	430	0.203	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	27763	21.086	ug/l	# 37
80) 1,3,5-Trimethylbenzene	11.457	105	990	0.281	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	27763	68.000	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	2083	0.608	ug/l	91
89) n-Butylbenzene	12.323	91	1853	0.619	ug/l	# 45
90) Hexachloroethane	12.543	117	503	0.843	ug/l	# 16
93) 1,2,4-Trichlorobenzene	13.585	180	320	0.330	ug/l	# 1
94) Hexachlorobutadiene	13.725	225	94	0.228	ug/l	87
95) Naphthalene	13.774	128	2728	0.718	ug/l	# 92
96) 1,2,3-Trichlorobenzene	13.957	180	264	0.267	ug/l	# 1

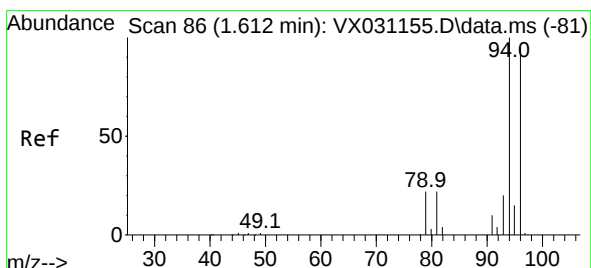
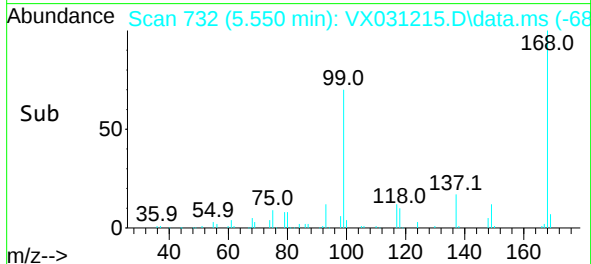
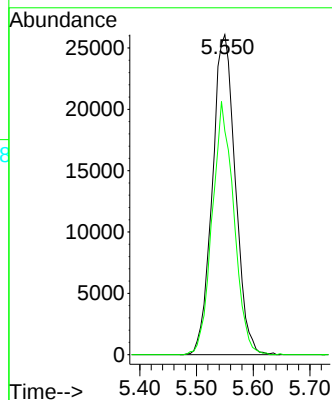
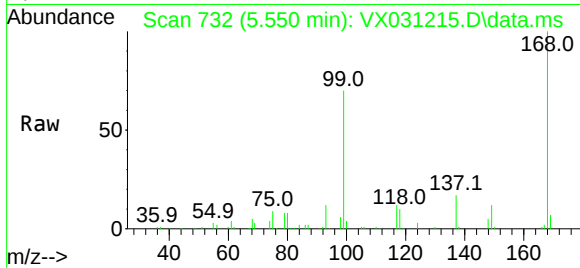
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

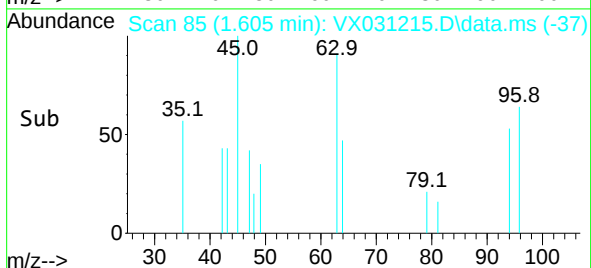
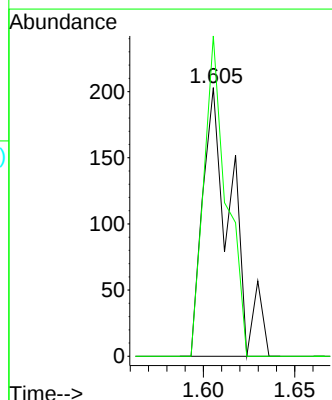
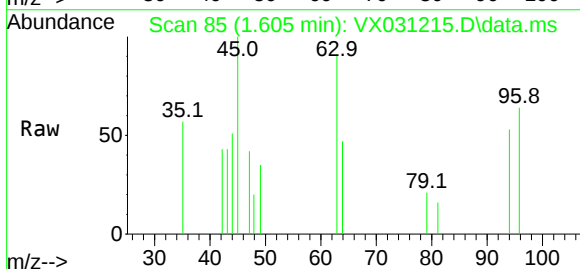
Instrument :
MSVOA_X
ClientSampleId :
31181ME

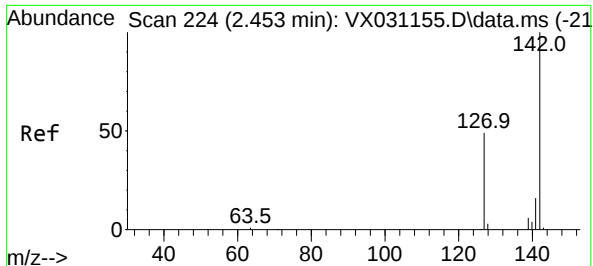
Tgt Ion:168 Resp: 73196
Ion Ratio Lower Upper
168 100
99 69.9 44.0 66.0#



#5
Bromomethane
Concen: 0.327 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 119.2 76.9 115.3#

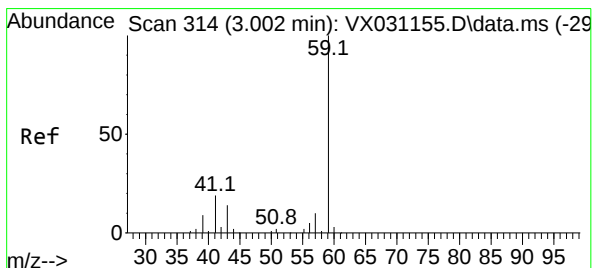
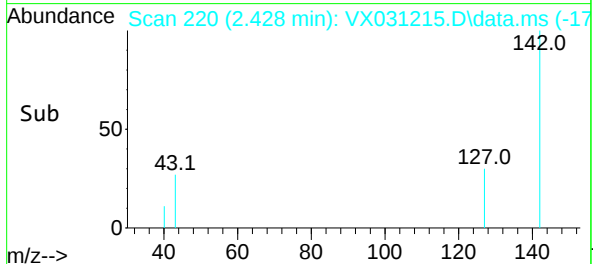
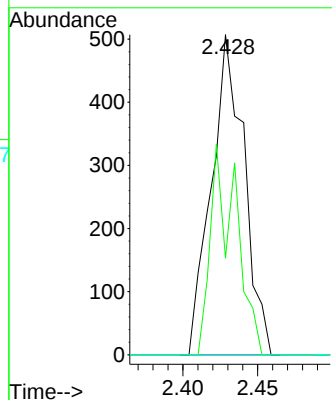
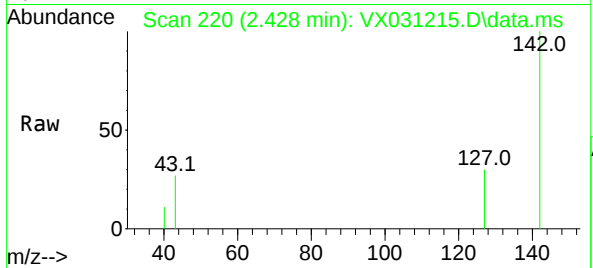




#10
Methyl Iodide
Concen: 0.476 ug/l
RT: 2.428 min Scan# 21
Delta R.T. -0.024 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

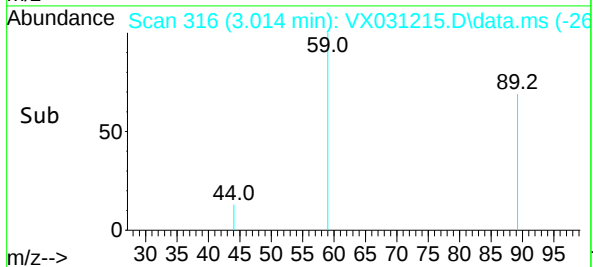
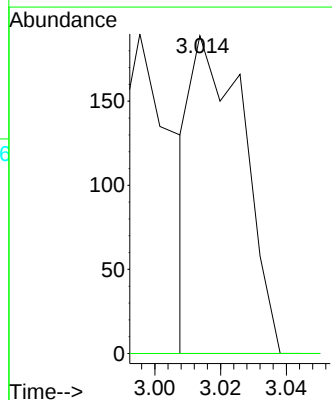
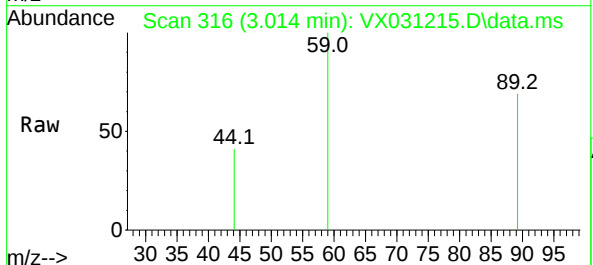
Instrument :
MSVOA_X
ClientSampleId :
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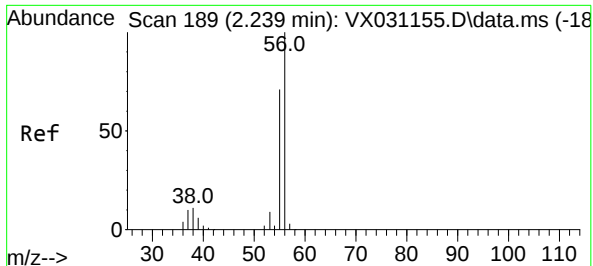
Tgt Ion:142 Resp: 774
Ion Ratio Lower Upper
142 100
127 51.3 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.014 min Scan# 316
Delta R.T. 0.012 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

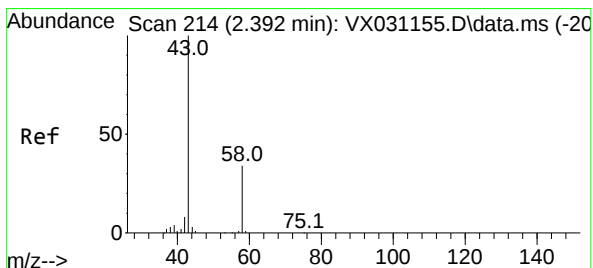
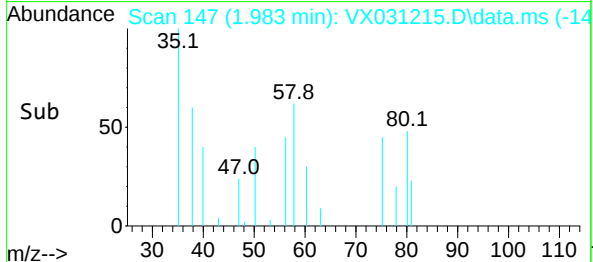
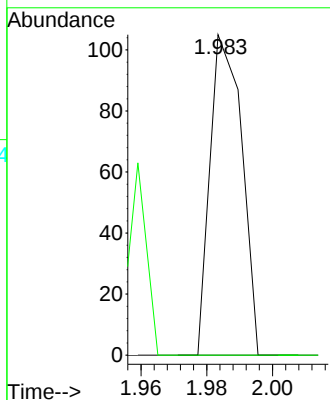
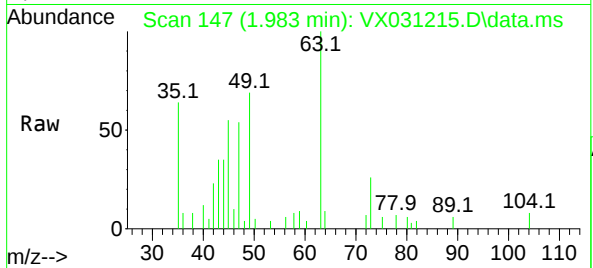




#13
Acrolein
Concen: 0.291 ug/l
RT: 1.983 min Scan# 14
Delta R.T. -0.256 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

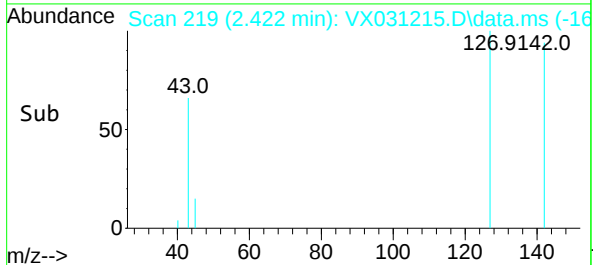
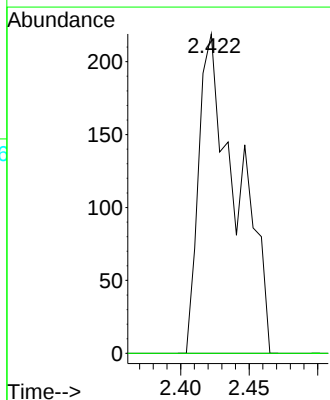
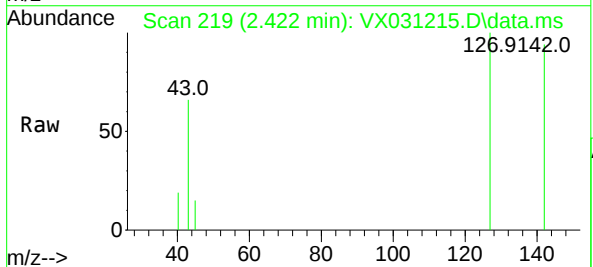
Instrument :
MSVOA_X
ClientSampleId :
31181ME

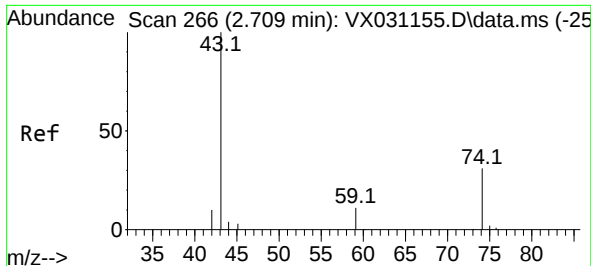
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.705 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.030 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 2.727 min Scan# 2

Delta R.T. 0.018 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

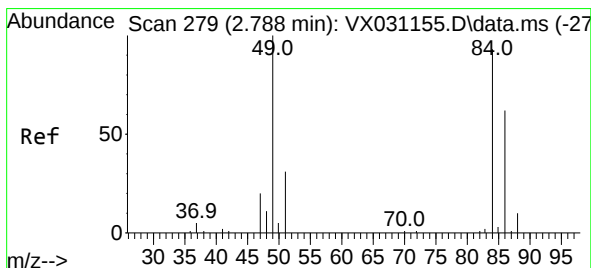
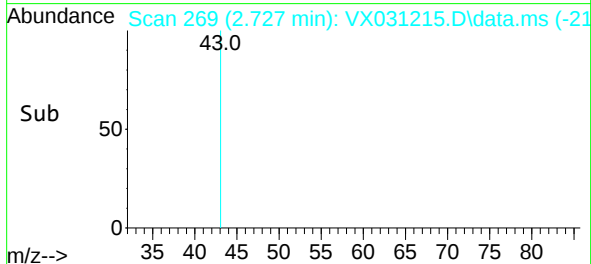
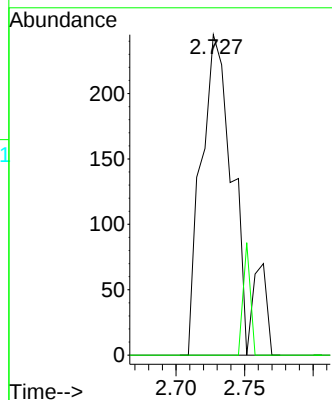
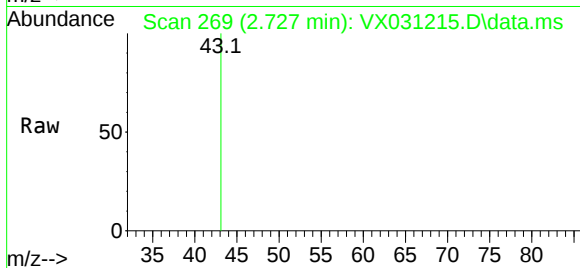
31181ME

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#20

Methylene Chloride

Concen: 0.374 ug/l

RT: 2.770 min Scan# 276

Delta R.T. -0.018 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Tgt Ion: 84 Resp: 528

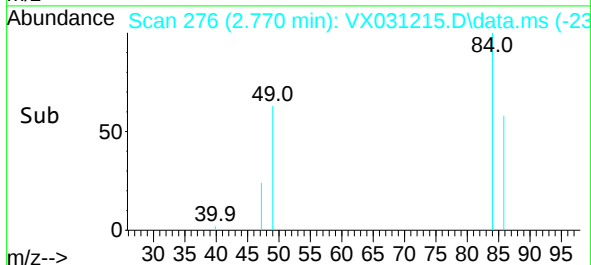
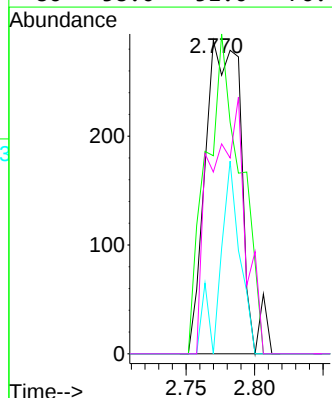
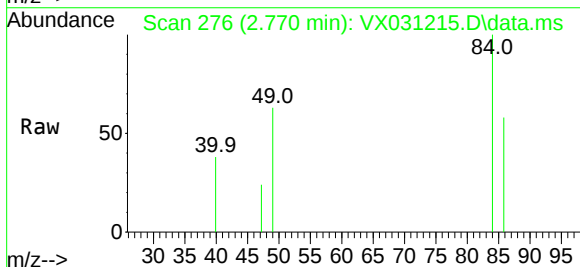
Ion Ratio Lower Upper

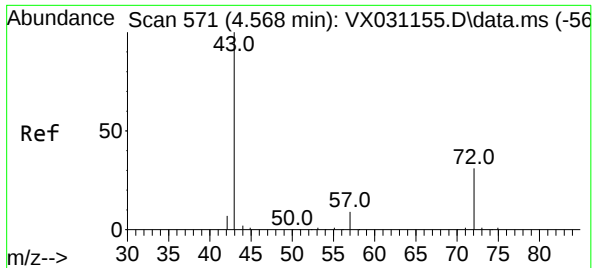
84 100

49 63.2 93.8 140.6#

51 0.0 29.4 44.0#

86 58.0 51.0 76.4





#25

2-Butanone

Concen: 5.106 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

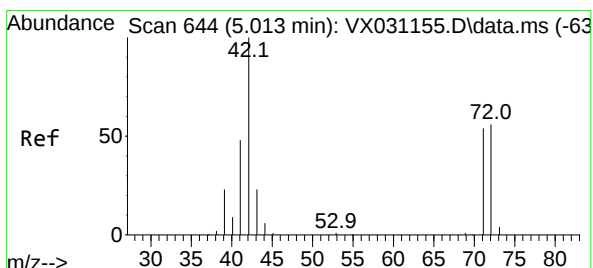
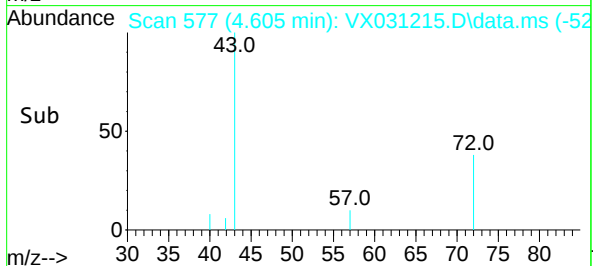
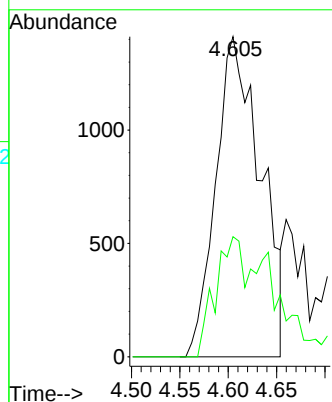
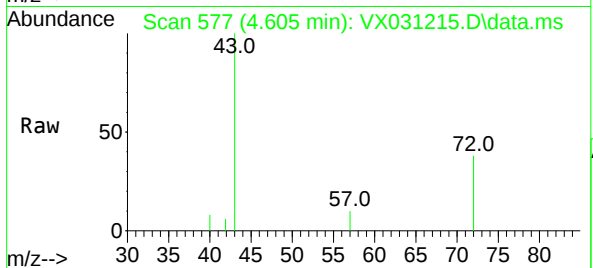
31181ME

Tgt Ion: 43 Resp: 4538

Ion Ratio Lower Upper

43 100

72 37.5 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.400 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.043 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

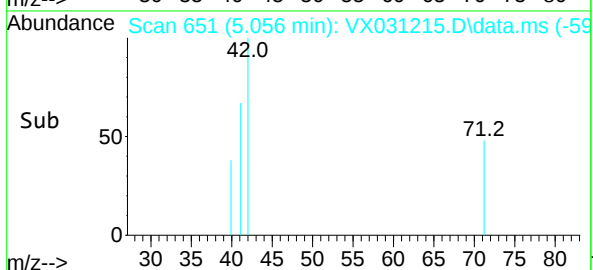
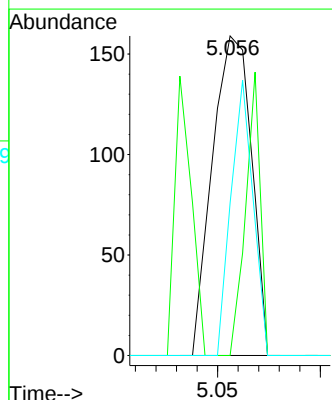
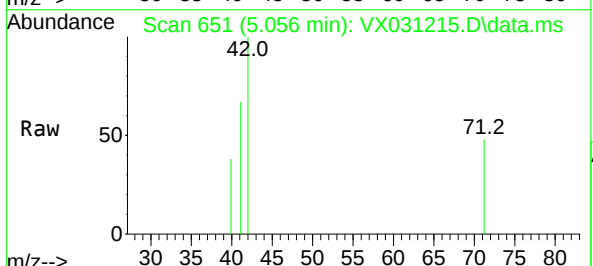
Tgt Ion: 42 Resp: 210

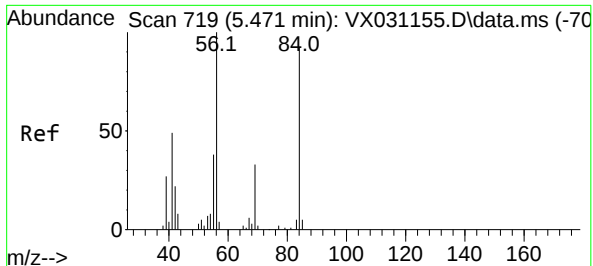
Ion Ratio Lower Upper

42 100

72 33.3 36.5 54.7#

71 48.6 33.9 50.9

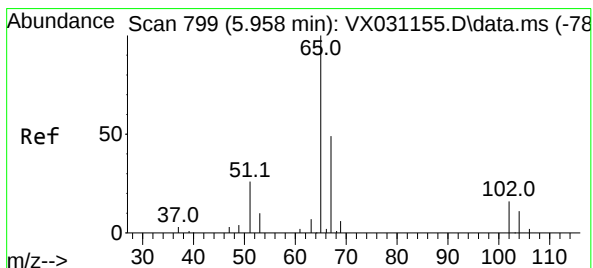
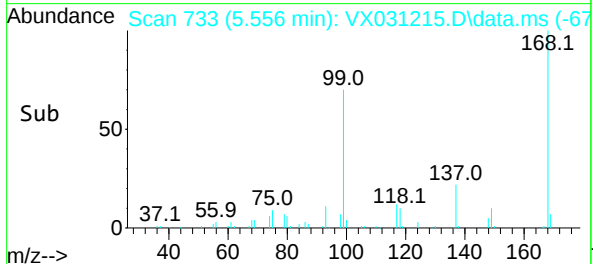
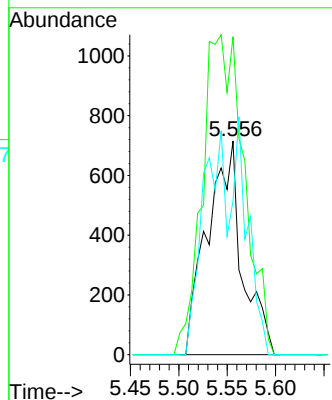
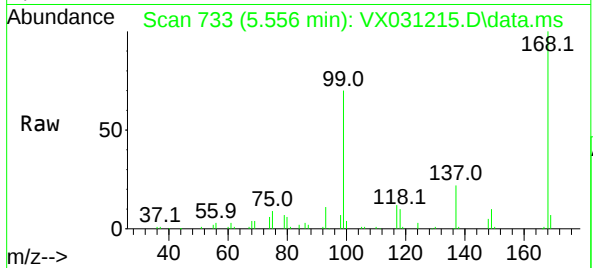




#31
Cyclohexane
Concen: 0.918 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

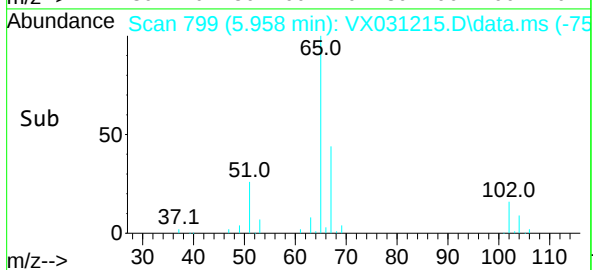
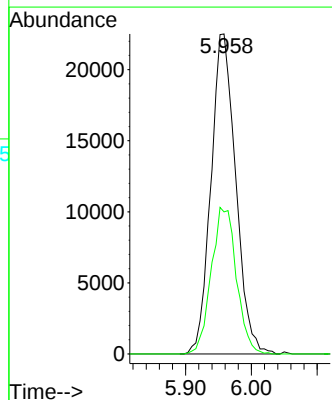
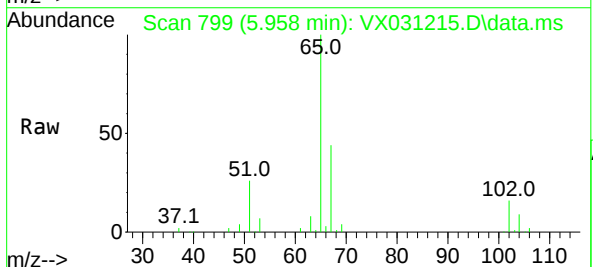
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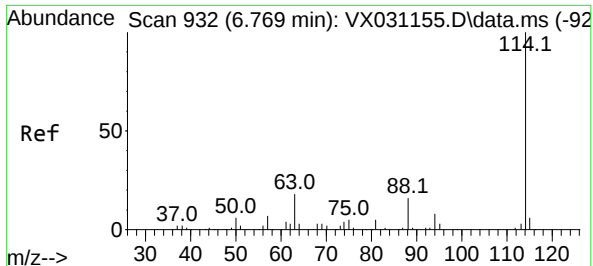
Tgt Ion: 56 Resp: 1778
Ion Ratio Lower Upper
56 100
69 148.8 25.4 38.0#
84 71.9 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 34.058 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 65 Resp: 59021
Ion Ratio Lower Upper
65 100
67 46.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.012 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

31181ME

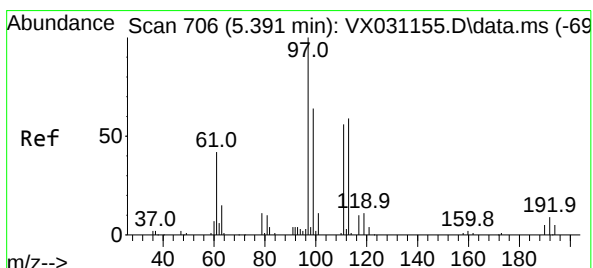
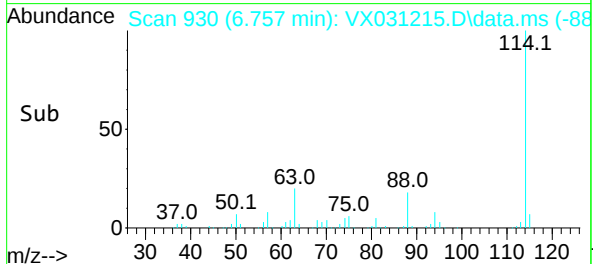
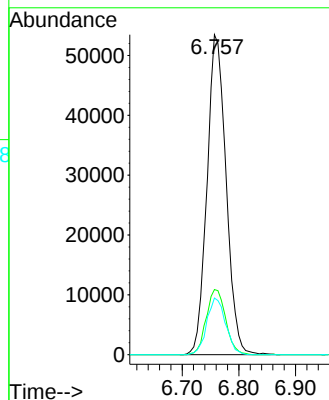
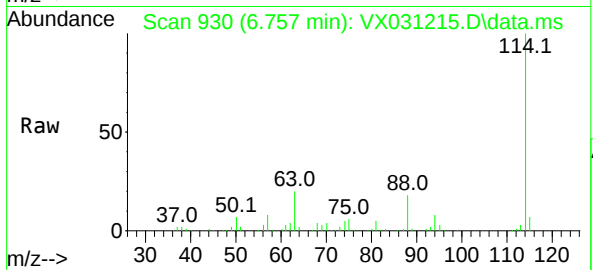
Tgt Ion:114 Resp: 125141

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

88 17.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 29.424 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

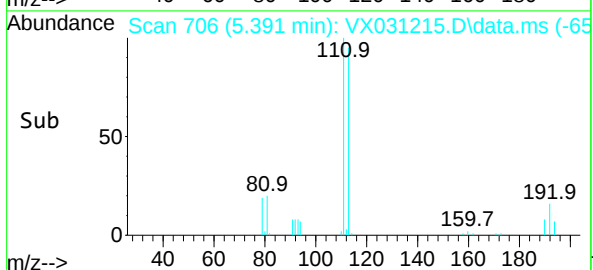
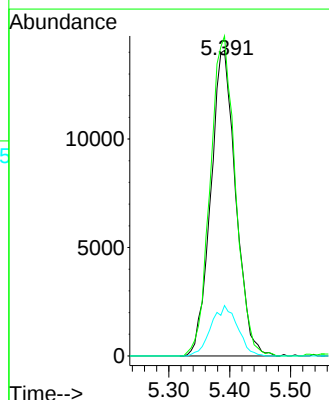
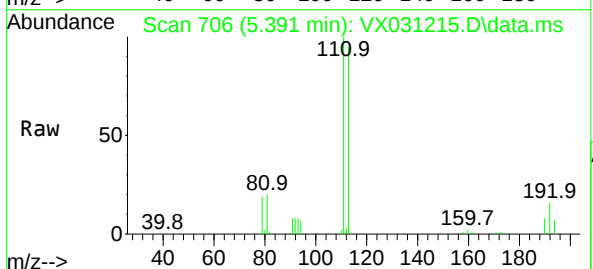
Tgt Ion:113 Resp: 40126

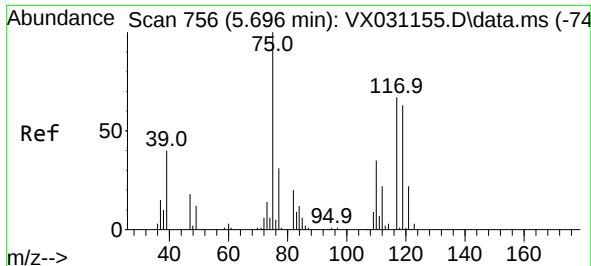
Ion Ratio Lower Upper

113 100

111 105.8 83.2 124.8

192 17.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.409 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

31181ME

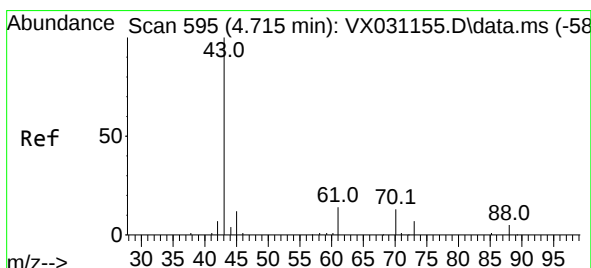
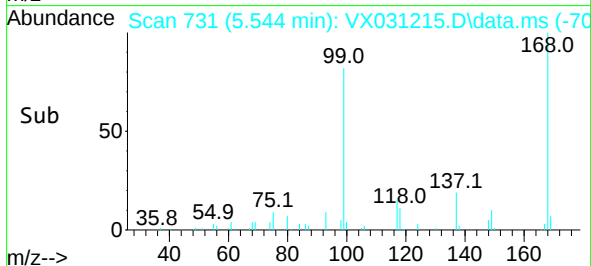
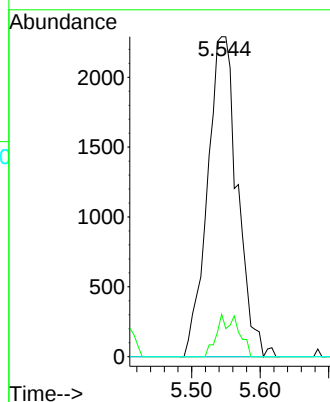
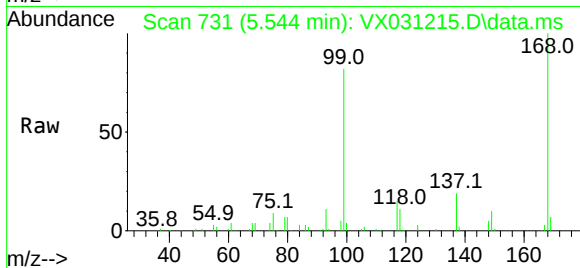
Tgt Ion: 75 Resp: 6963

Ion Ratio Lower Upper

75 100

110 9.4 19.3 57.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.317 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

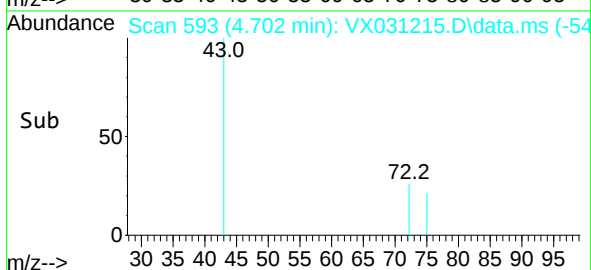
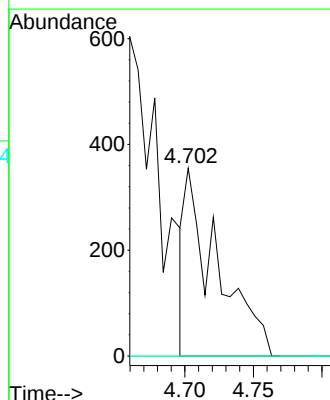
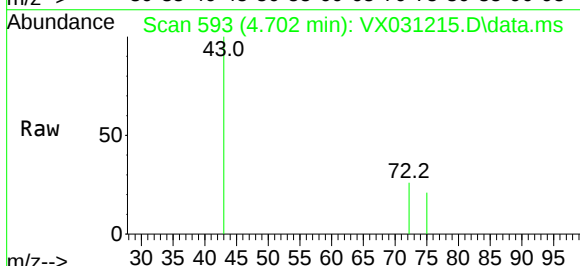
Tgt Ion: 43 Resp: 574

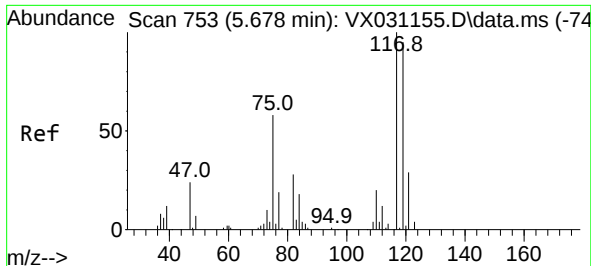
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

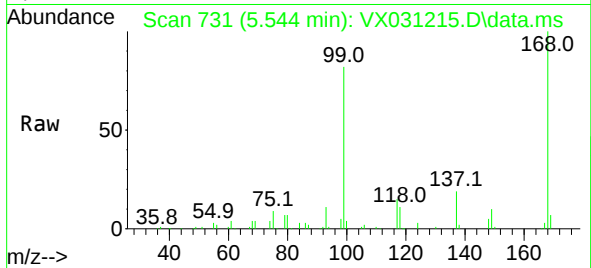
70 0.0 9.3 13.9#



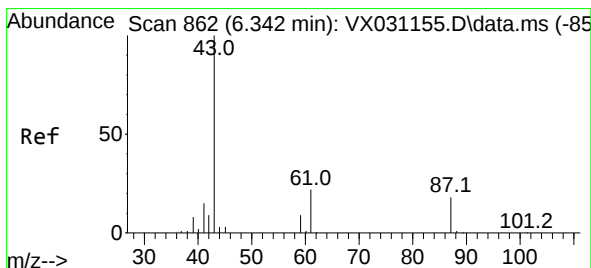
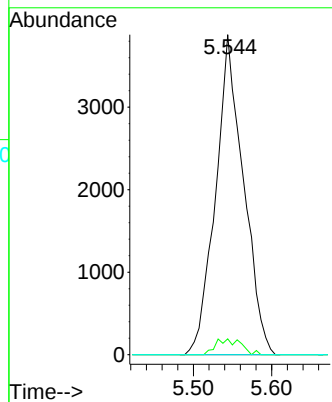
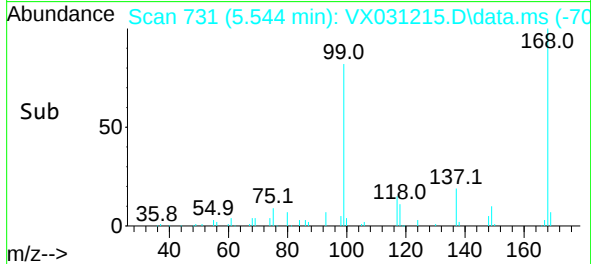


#38
Carbon Tetrachloride
Concen: 4.473 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :
31181ME

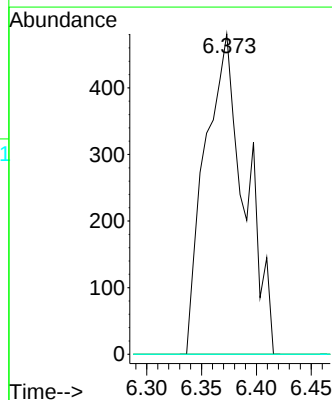
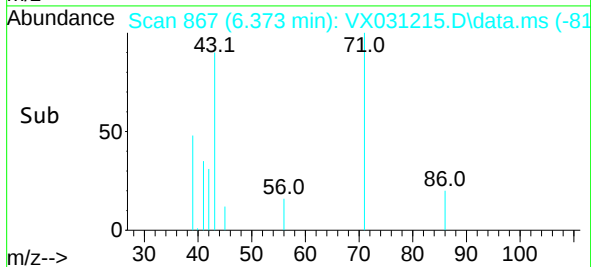
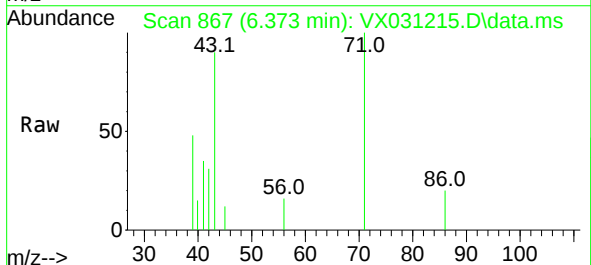


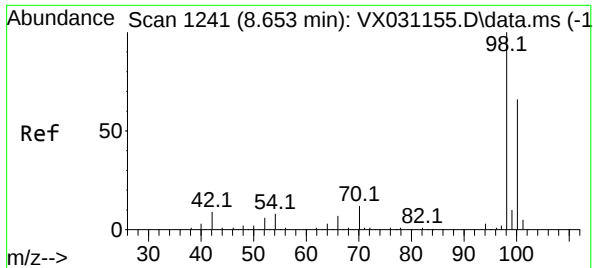
Tgt Ion:117 Resp: 9612
Ion Ratio Lower Upper
117 100
119 4.9 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 0.426 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.030 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
61 0.0 16.5 24.7#
87 0.0 11.1 16.7#

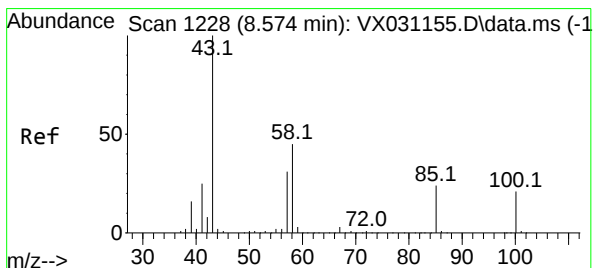
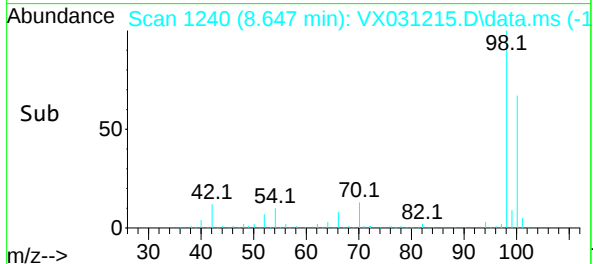
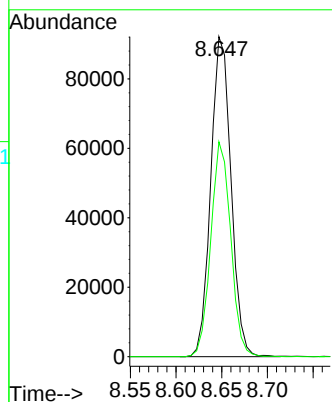
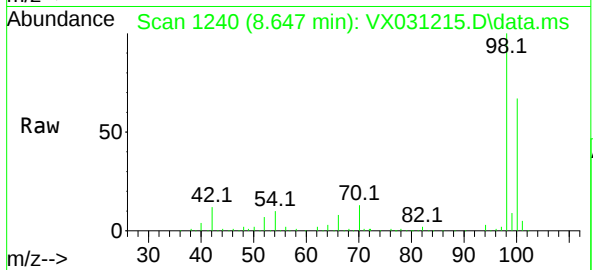




#50
Toluene-d8
Concen: 28.619 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

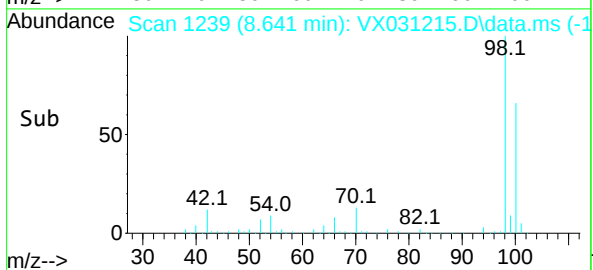
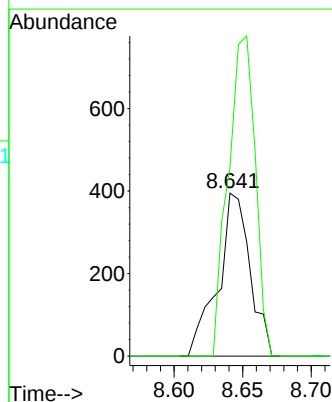
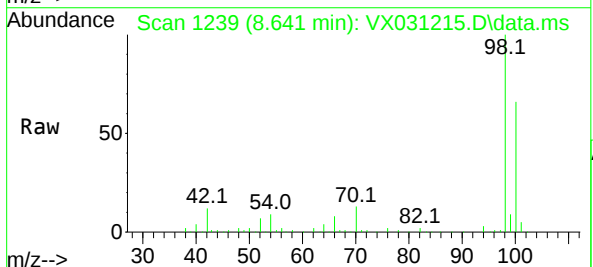
Instrument :
MSVOA_X
ClientSampleId :
31181ME

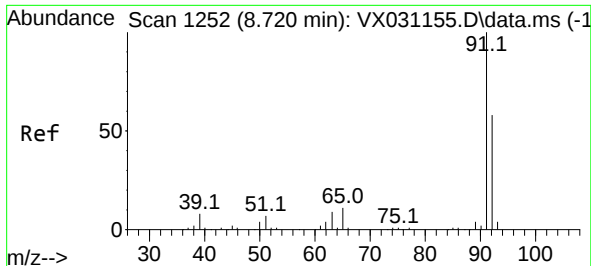
Tgt Ion: 98 Resp: 141794
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.366 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 167.2 31.4 47.2#

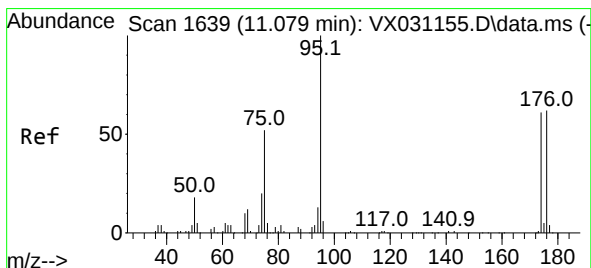
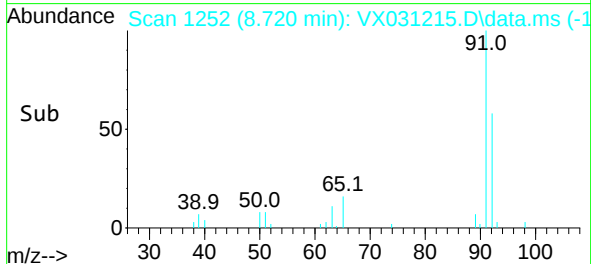
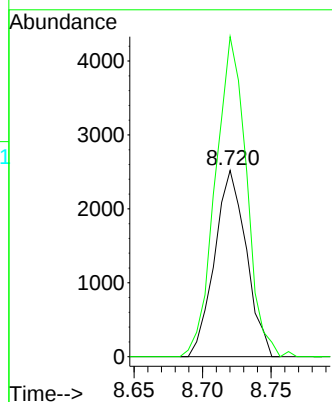
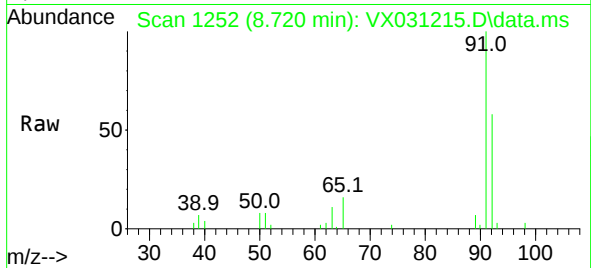




#52
Toluene
Concen: 1.108 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

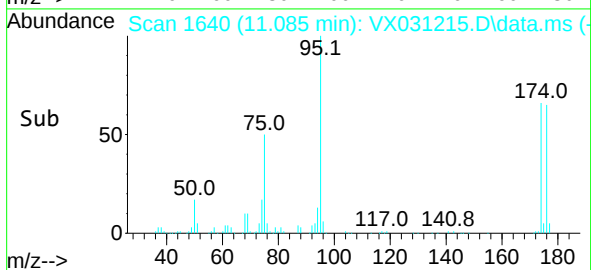
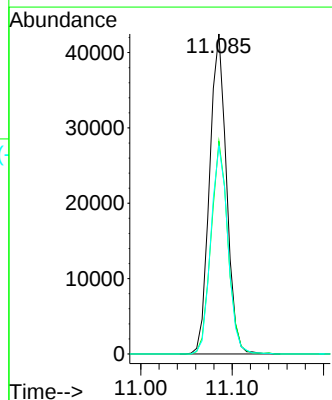
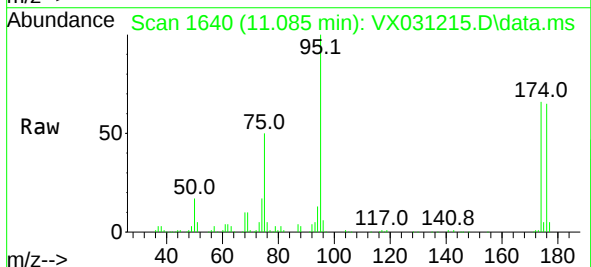
Instrument :
MSVOA_X
ClientSampleId :
31181ME

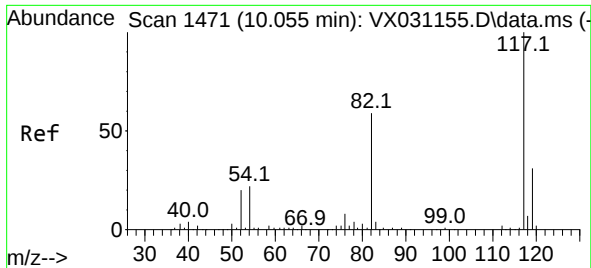
Tgt Ion: 92 Resp: 4054
Ion Ratio Lower Upper
92 100
91 168.9 139.2 208.8



#62
4-Bromofluorobenzene
Concen: 29.992 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 95 Resp: 54456
Ion Ratio Lower Upper
95 100
174 66.1 0.0 149.0
176 65.6 0.0 146.0

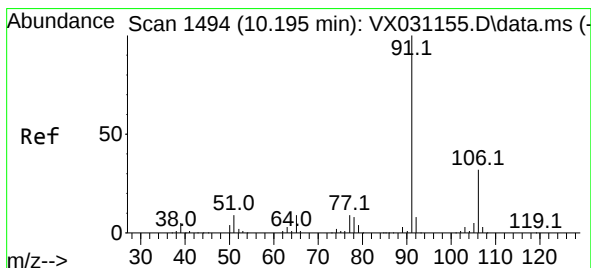
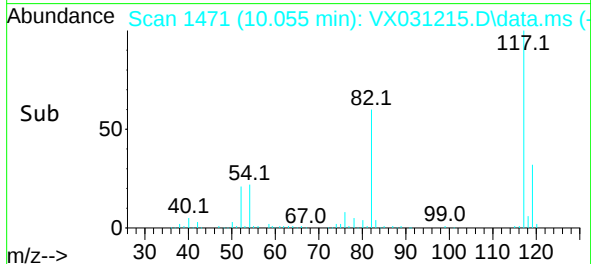
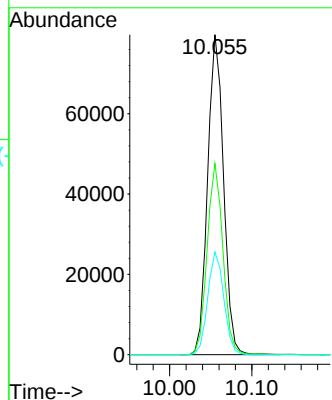
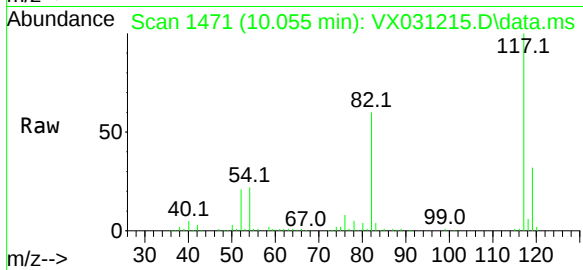




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

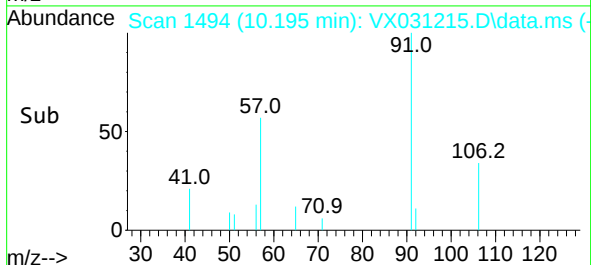
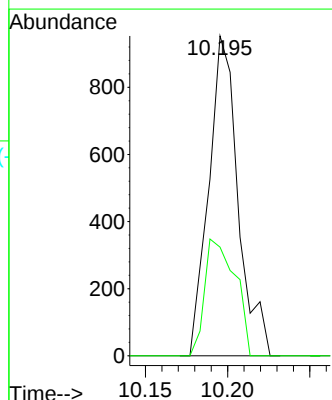
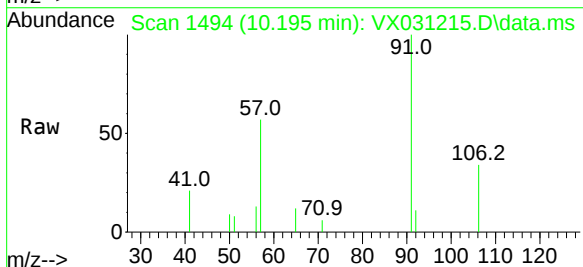
Instrument :
MSVOA_X
ClientSampleId :
31181ME

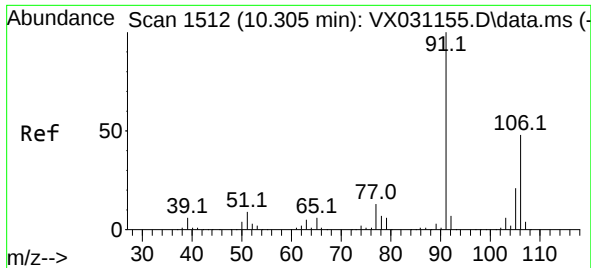
Tgt Ion:117 Resp: 107193
Ion Ratio Lower Upper
117 100
82 59.8 42.7 64.1
119 32.1 25.4 38.2



#67
Ethyl Benzene
Concen: 0.207 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 91 Resp: 1182
Ion Ratio Lower Upper
91 100
106 34.0 25.5 38.3

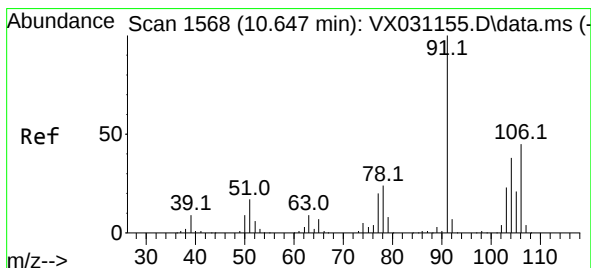
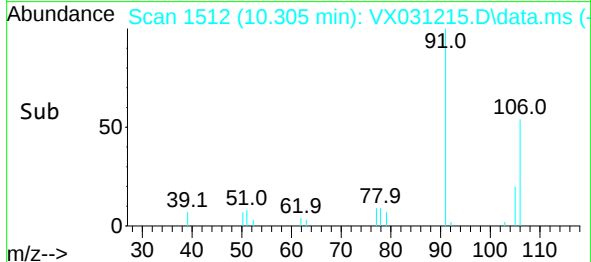
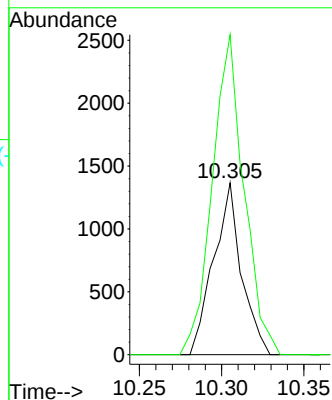
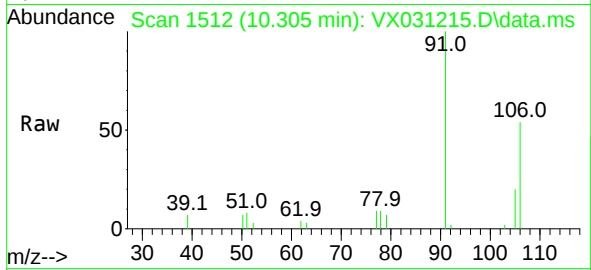




#68
m/p-Xylenes
Concen: 0.760 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

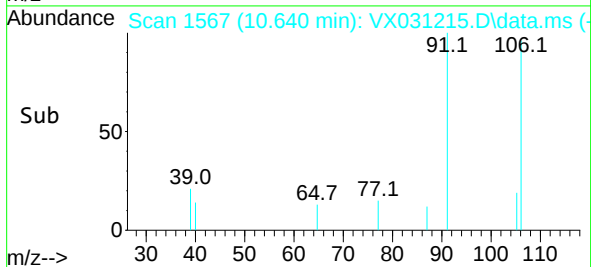
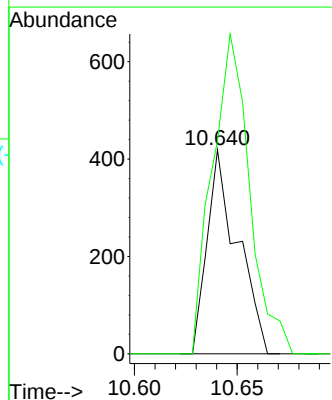
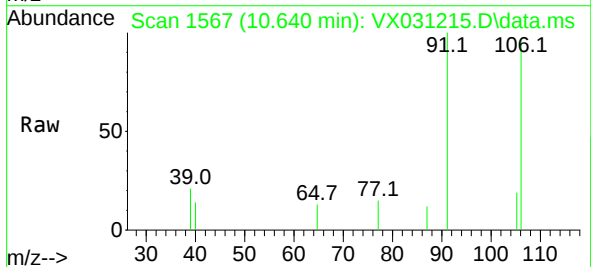
Instrument :
MSVOA_X
ClientSampleId :
31181ME

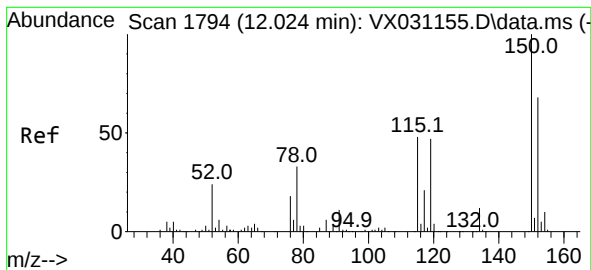
Tgt Ion:106 Resp: 1612
Ion Ratio Lower Upper
106 100
91 211.4 158.2 237.4



#69
o-Xylene
Concen: 0.203 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion:106 Resp: 430
Ion Ratio Lower Upper
106 100
91 193.0 103.8 311.6

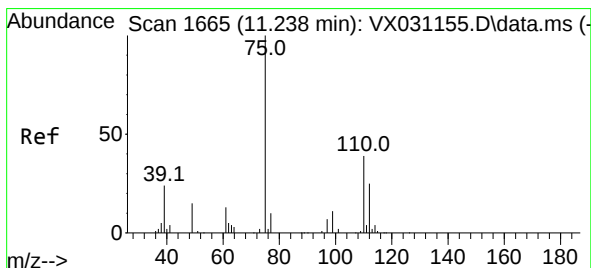
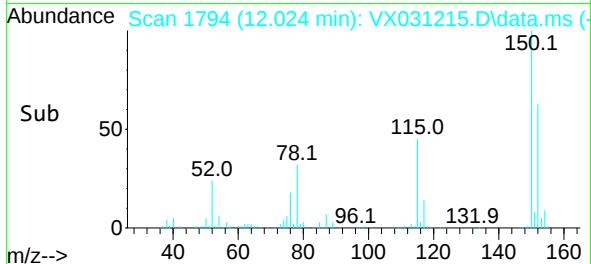
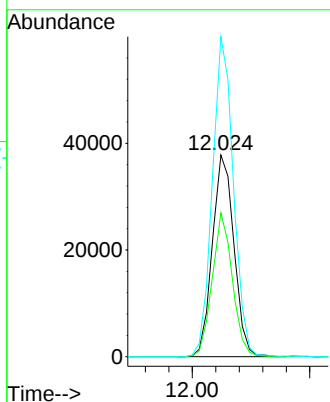
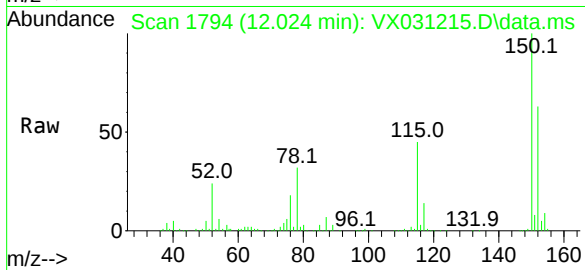




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

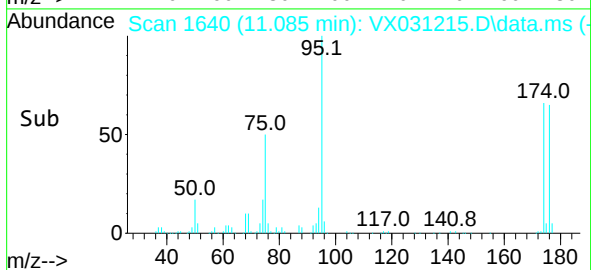
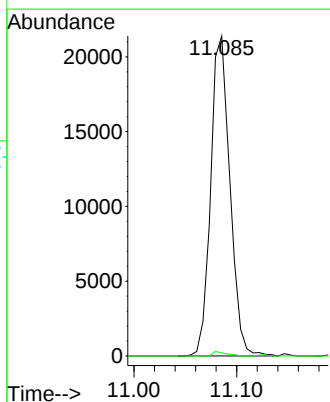
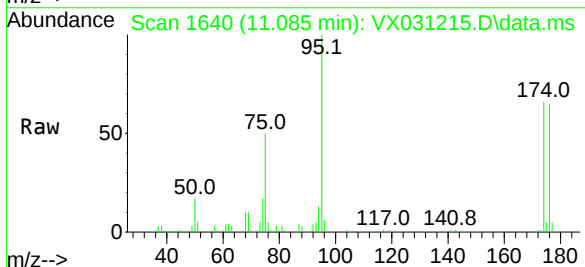
Instrument :
MSVOA_X
ClientSampleId :
31181ME

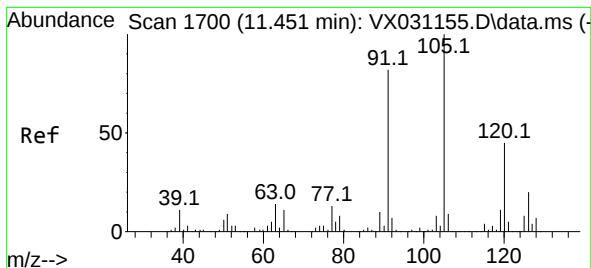
Tgt Ion:152 Resp: 48244
Ion Ratio Lower Upper
152 100
115 66.6 40.5 121.5
150 154.8 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 21.086 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.152 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 75 Resp: 27763
Ion Ratio Lower Upper
75 100
77 1.0 19.8 59.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.281 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

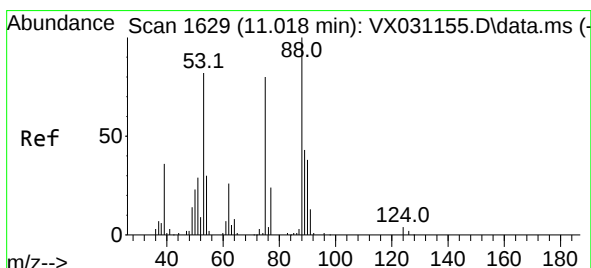
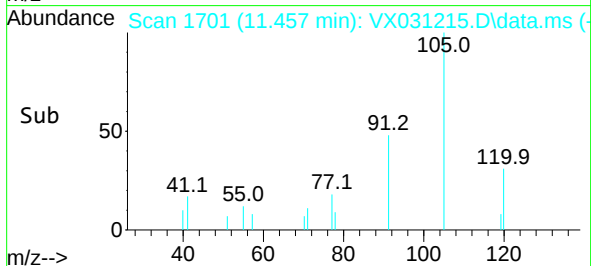
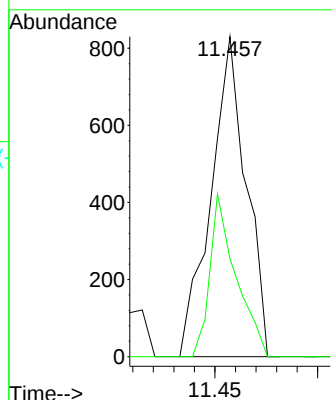
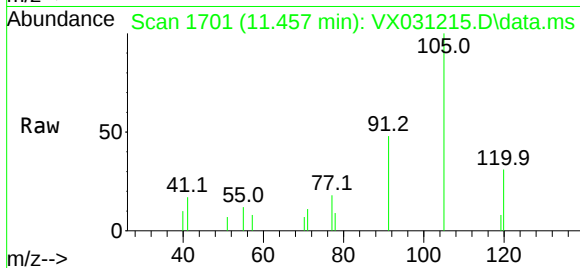
31181ME

Tgt Ion:105 Resp: 990

Ion Ratio Lower Upper

105 100

120 37.7 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 68.000 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

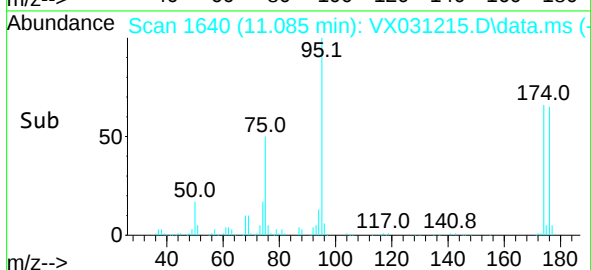
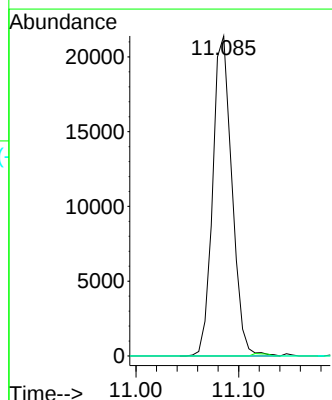
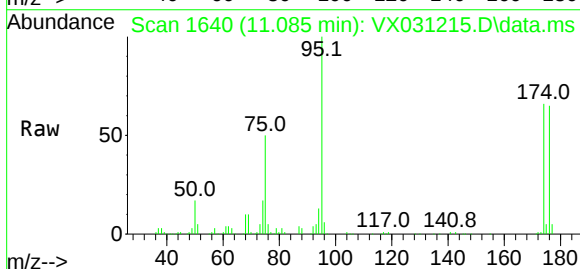
Tgt Ion: 75 Resp: 27763

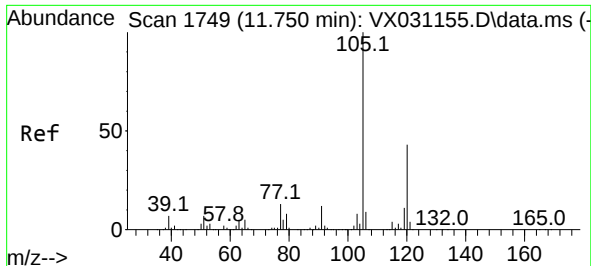
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

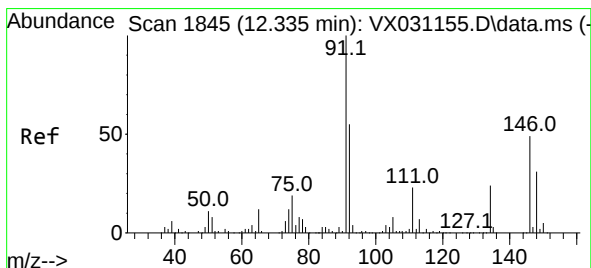
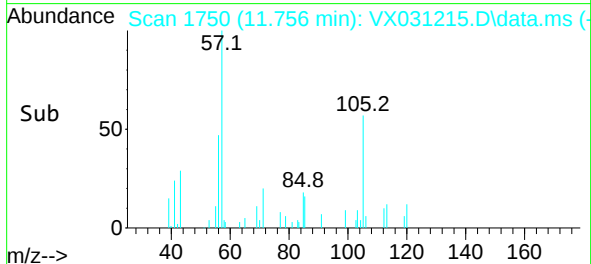
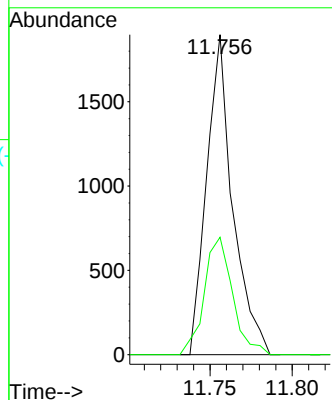
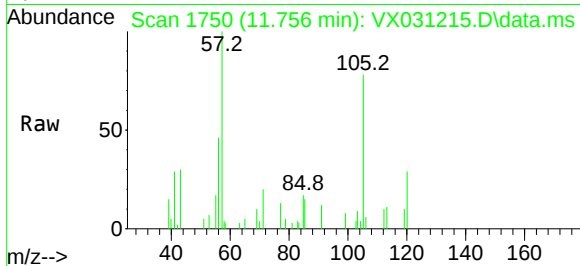




#84
1,2,4-Trimethylbenzene
Concen: 0.608 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

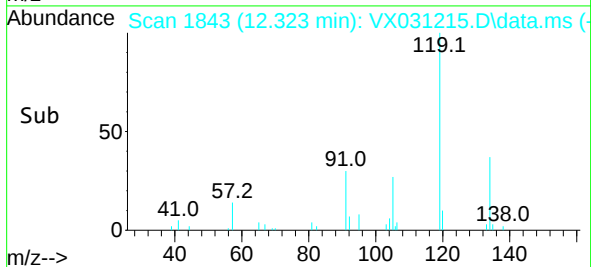
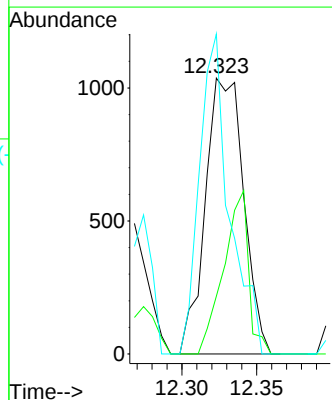
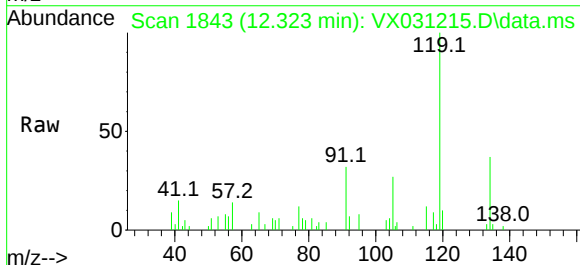
Instrument :
MSVOA_X
ClientSampleId :
31181ME

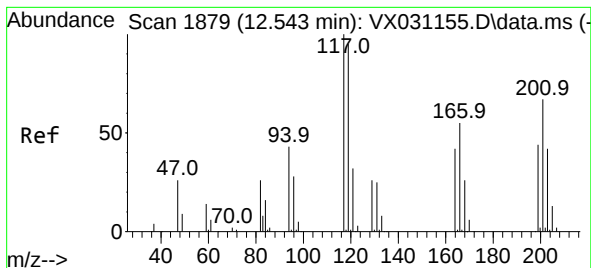
Tgt Ion:105 Resp: 2083
Ion Ratio Lower Upper
105 100
120 39.9 22.9 68.8



#89
n-Butylbenzene
Concen: 0.619 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

Tgt Ion: 91 Resp: 1853
Ion Ratio Lower Upper
91 100
92 38.5 26.2 78.5
134 90.4 12.6 37.8#





#90

Hexachloroethane

Concen: 0.843 ug/l

RT: 12.543 min Scan# 117

Delta R.T. 0.000 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

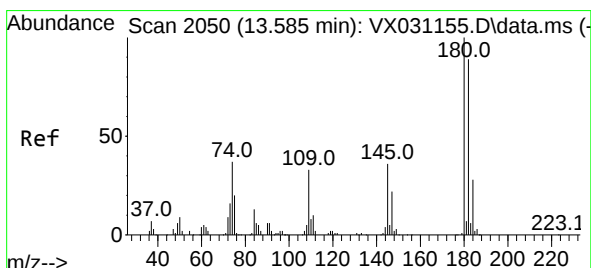
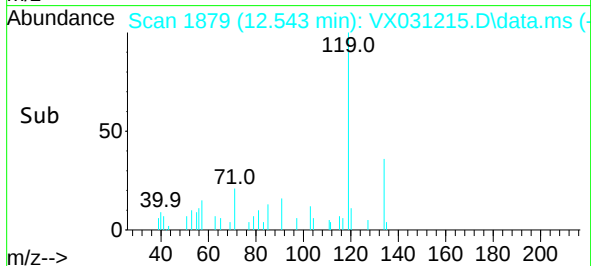
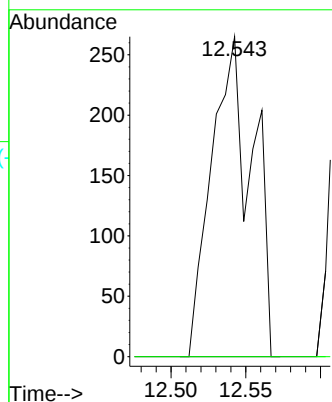
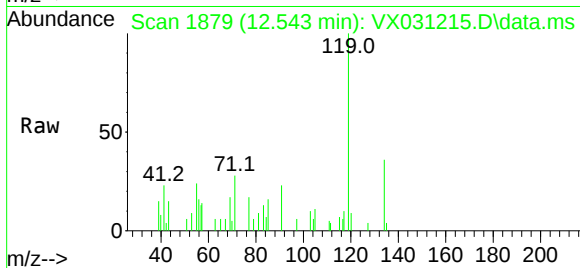
31181ME

Tgt Ion:117 Resp: 503

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.330 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX031215.D

Acq: 08 Sep 2022 16:40

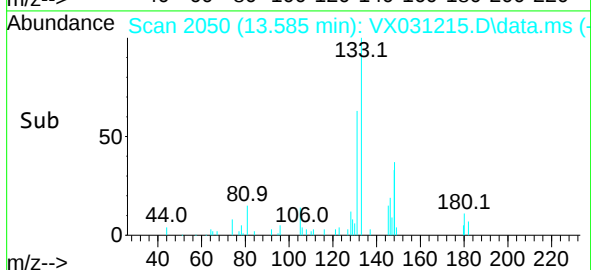
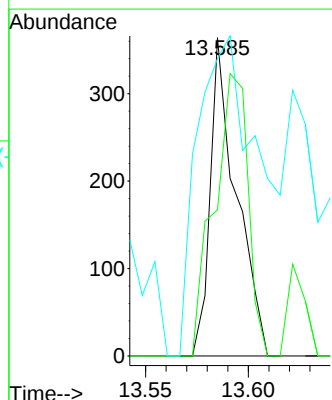
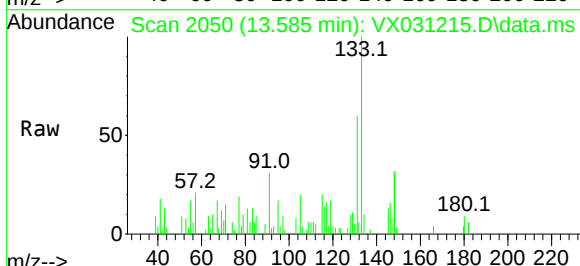
Tgt Ion:180 Resp: 320

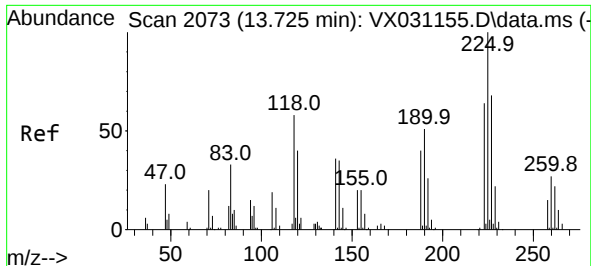
Ion Ratio Lower Upper

180 100

182 115.6 48.2 144.6

145 241.6 15.9 47.6#

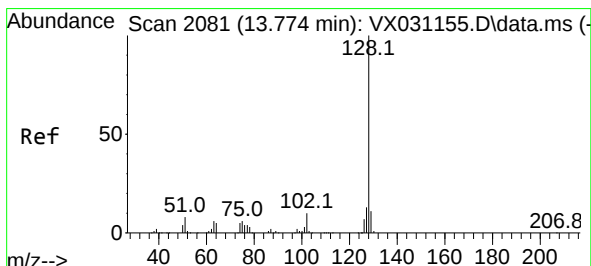
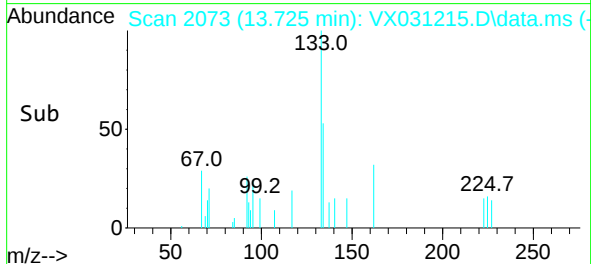
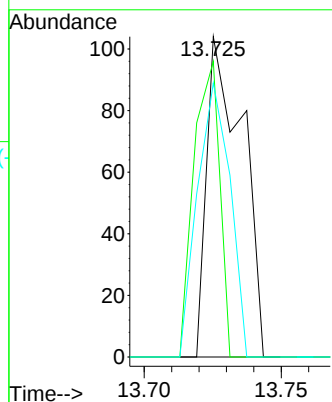
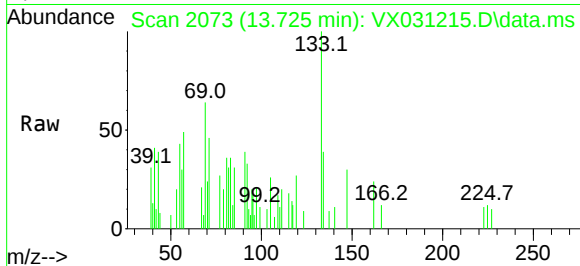




#94
Hexachlorobutadiene
Concen: 0.228 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

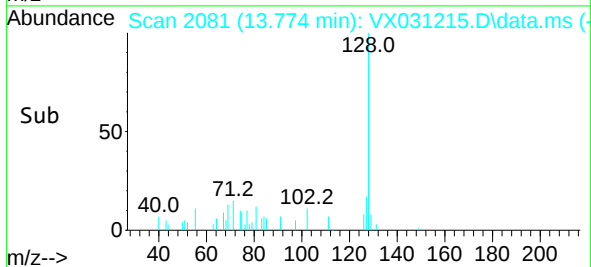
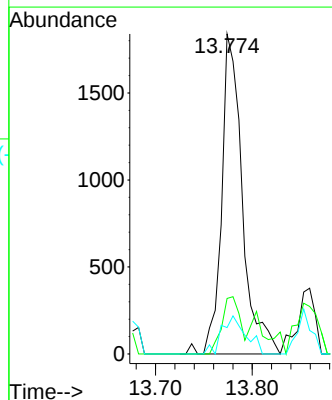
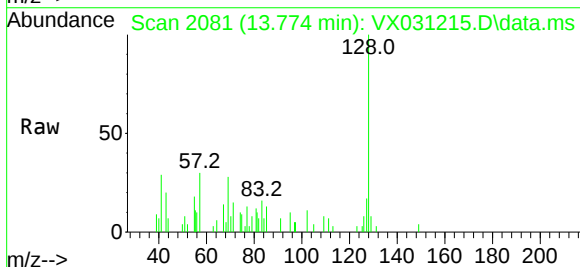
Instrument :
MSVOA_X
ClientSampleId :
31181ME

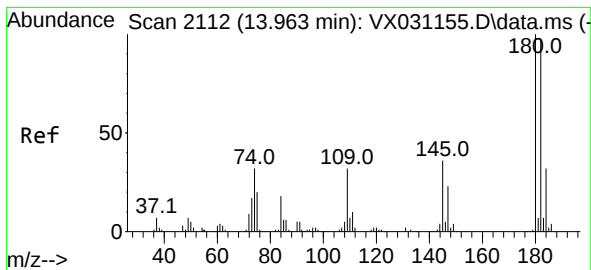
Tgt Ion:	225	Resp:	94
Ion	Ratio	Lower	Upper
225	100		
223	67.0	30.6	91.6
227	78.7	31.9	95.9



#95
Naphthalene
Concen: 0.718 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX031215.D
Acq: 08 Sep 2022 16:40

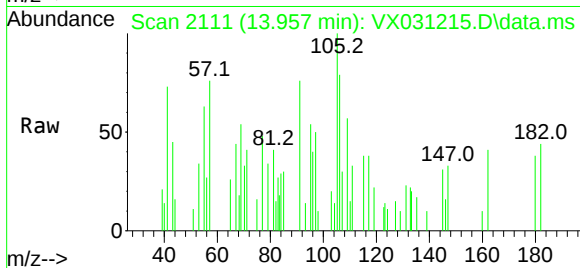
Tgt Ion:	128	Resp:	2728
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.2	15.2#
129	13.9	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX031215.D
 Acq: 08 Sep 2022 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 31181ME



Tgt Ion:180 Resp: 264
 Ion Ratio Lower Upper
 180 100
 182 121.6 47.0 141.0
 145 272.3 17.0 50.9#

