

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031318.D
 Acq On : 14 Sep 2022 20:14
 Operator : JC/MD
 Sample : N4492-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-02-133-143-090122

Quant Time: Sep 15 06:05:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

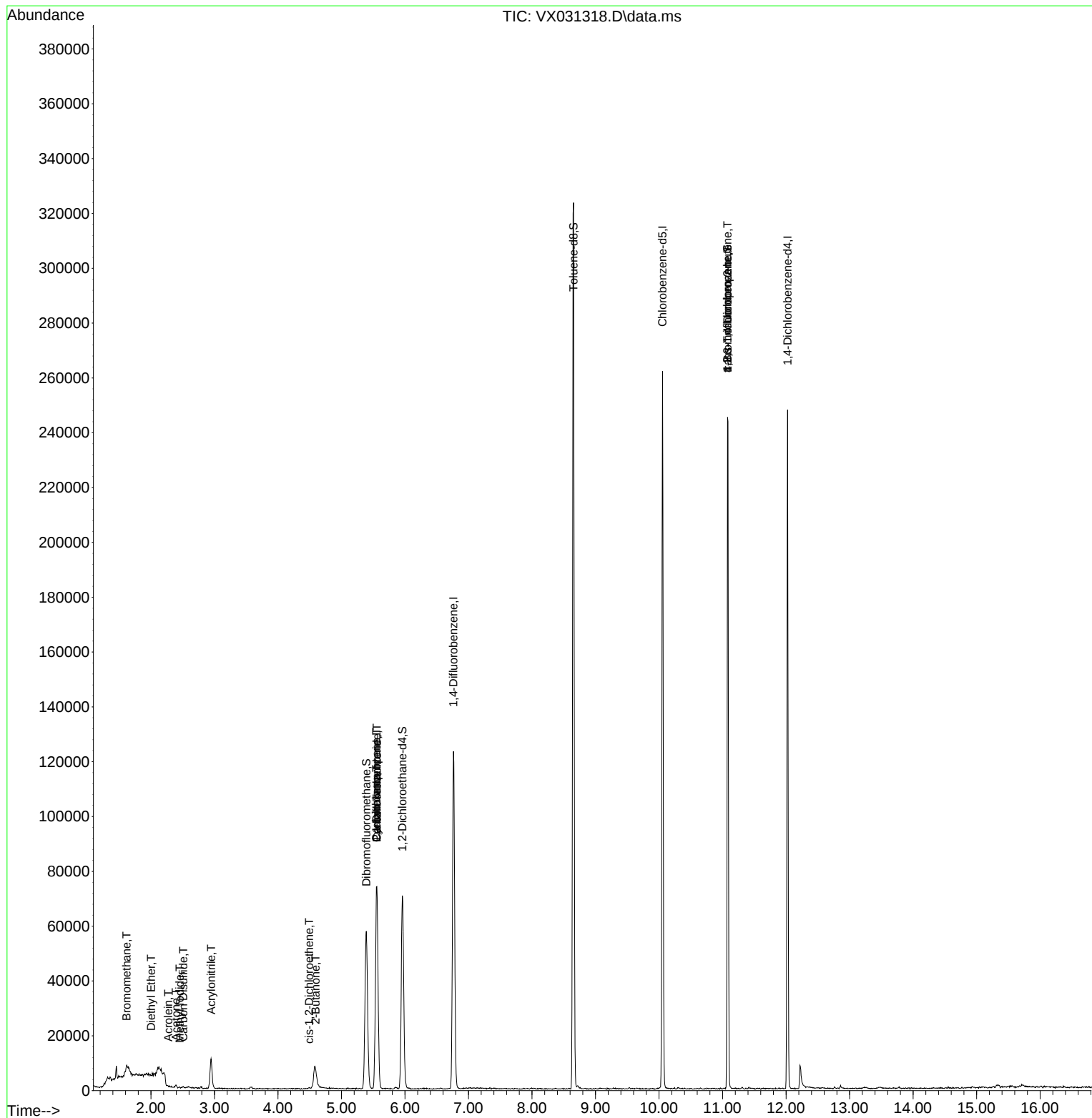
Internal Standards						
1) Pentafluorobenzene	5.556	168	65157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	117849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66673	41.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.380%
35) Dibromofluoromethane	5.391	113	48711	38.452	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	76.900%
50) Toluene-d8	8.653	98	185681	39.075	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	78.140%#
62) 4-Bromofluorobenzene	11.079	95	63360	36.411	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	72.820%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	220	Below Cal	#	41
5) Bromomethane	1.617	94	400	0.469	ug/l #	54
8) Diethyl Ether	2.002	74	19	0.549	ug/l #	1
10) Methyl Iodide	2.453	142	108	1.009	ug/l #	38
11) Tert butyl alcohol	2.946	59	6528	Below Cal	#	74
13) Acrolein	2.270	56	174	0.943	ug/l #	74
15) Acrylonitrile	2.946	53	163	0.221	ug/l #	17
16) Acetone	2.392	43	979	1.434	ug/l	94
17) Carbon Disulfide	2.508	76	707	1.199	ug/l #	75
20) Methylene Chloride	2.794	84	180	Below Cal	#	58
21) trans-1,2-Dichloroethene	3.087	96	22	Below Cal	#	1
25) 2-Butanone	4.593	43	1114	0.989	ug/l #	49
27) cis-1,2-Dichloroethene	4.489	96	269	0.201	ug/l	81
31) Cyclohexane	5.550	56	2091	1.217	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	6623	3.820	ug/l #	49
38) Carbon Tetrachloride	5.556	117	7088	3.761	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	36418	33.253	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36418	92.012	ug/l #	11

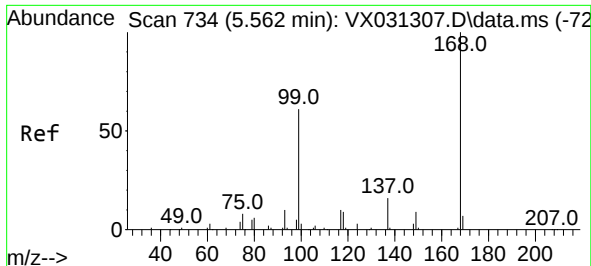
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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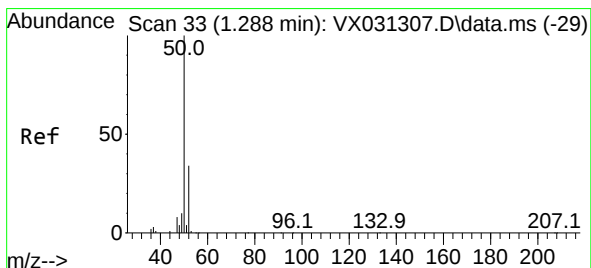
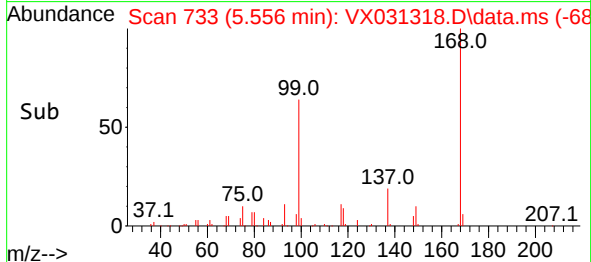
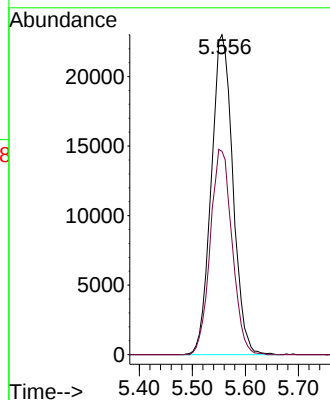
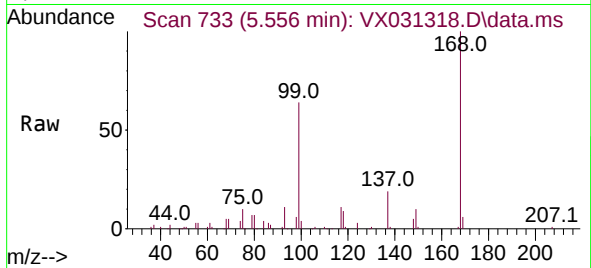




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

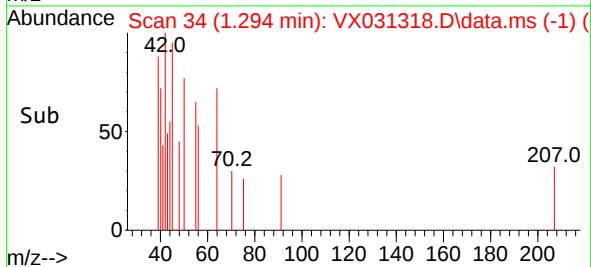
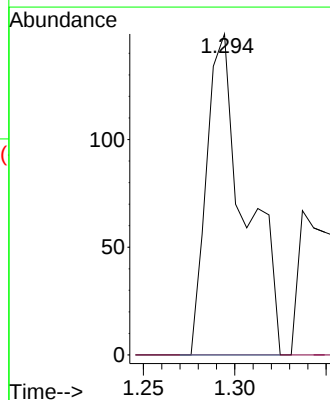
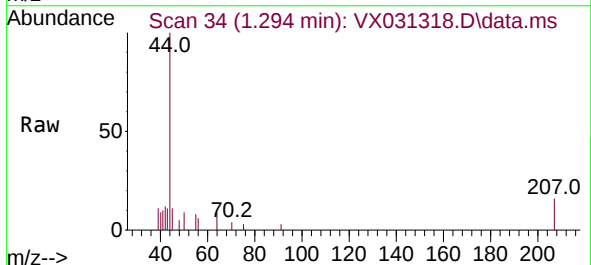
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

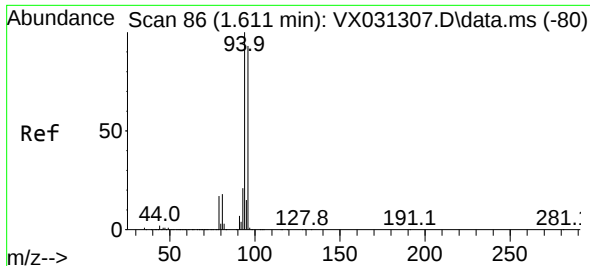
Tgt Ion:168 Resp: 65157
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 50 Resp: 220
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

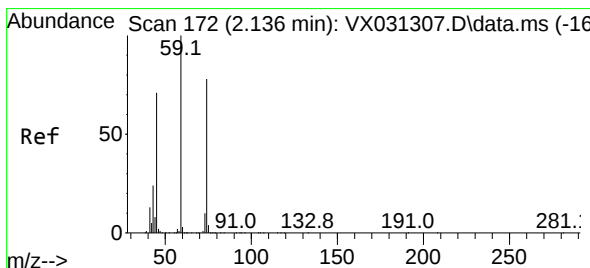
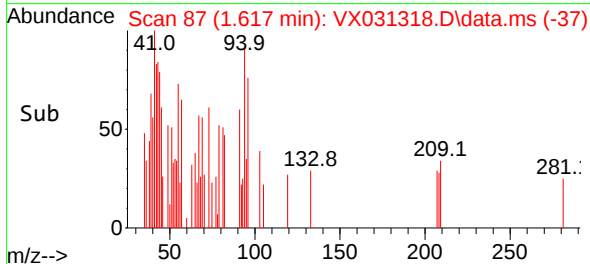
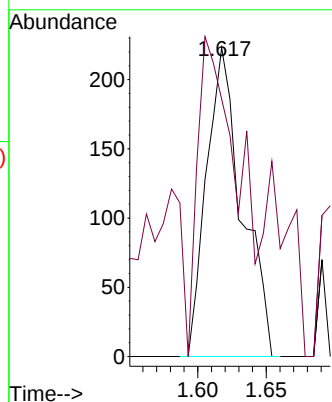
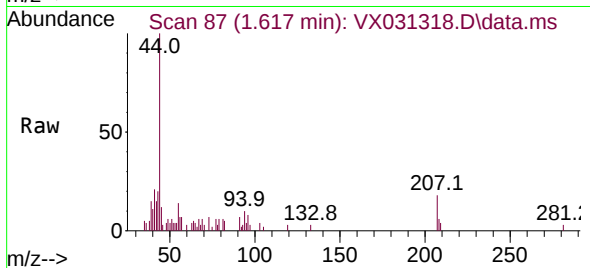




#5
Bromomethane
Concen: 0.469 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

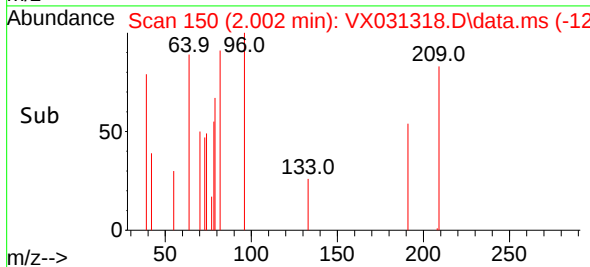
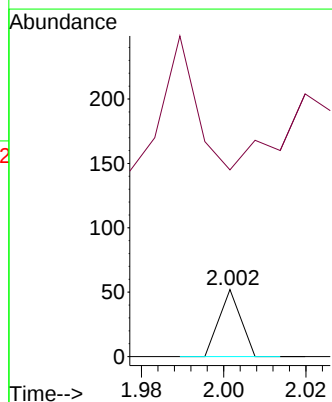
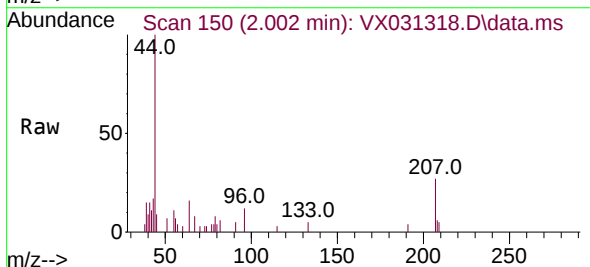
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

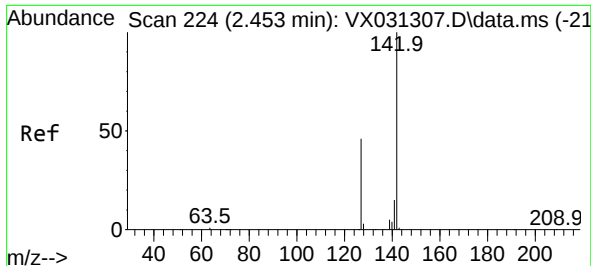
Tgt Ion: 94 Resp: 400
Ion Ratio Lower Upper
94 100
96 48.4 74.4 111.6#



#8
Diethyl Ether
Concen: 0.549 ug/l
RT: 2.002 min Scan# 150
Delta R.T. -0.134 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#





#10

Methyl Iodide

Concen: 1.009 ug/l

RT: 2.453 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031318.D

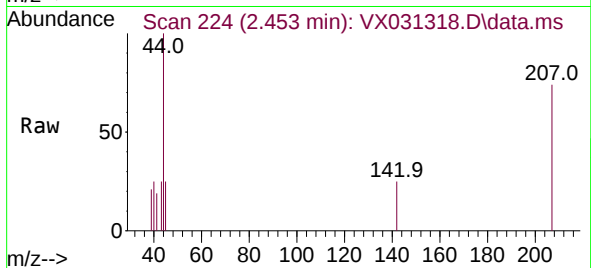
Acq: 14 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-143-090122



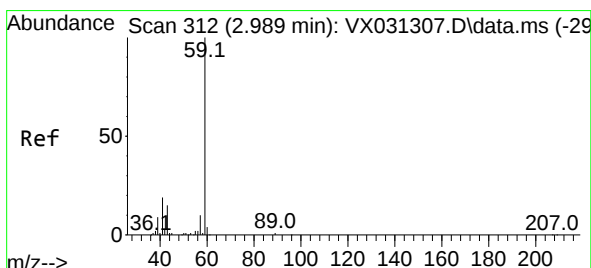
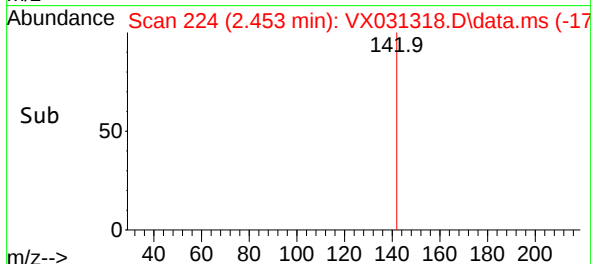
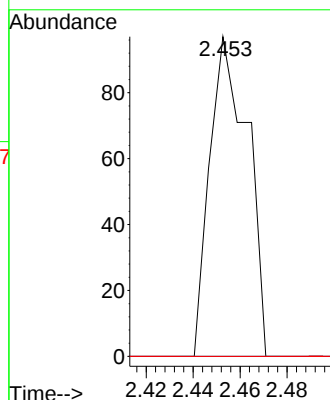
Tgt Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 37.4 56.0#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.043 min

Lab File: VX031318.D

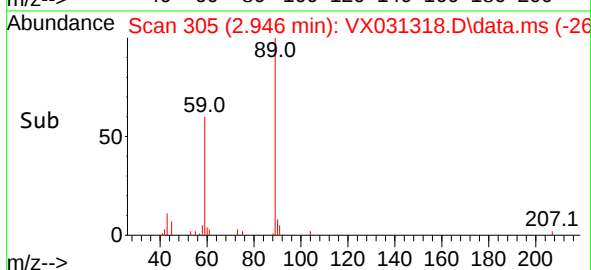
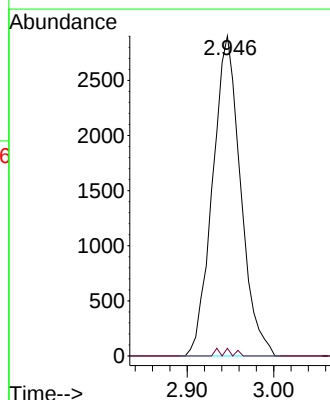
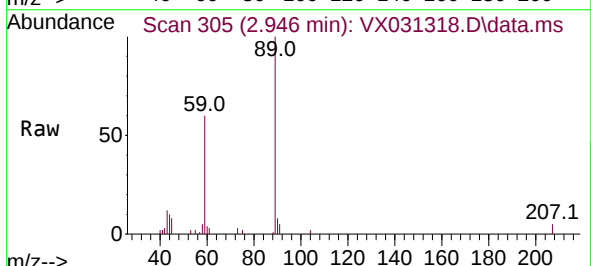
Acq: 14 Sep 2022 20:14

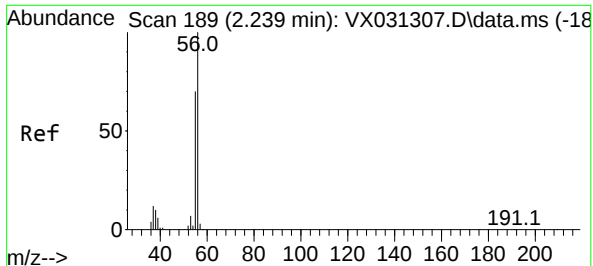
Tgt Ion: 59 Resp: 6528

Ion Ratio Lower Upper

59 100

57 0.4 8.2 12.2#

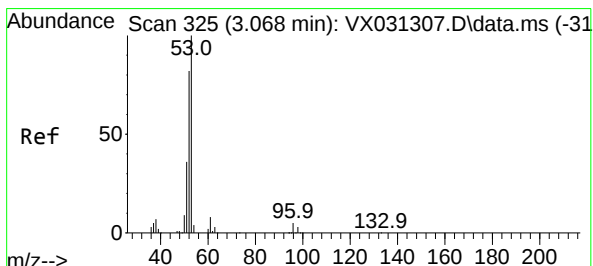
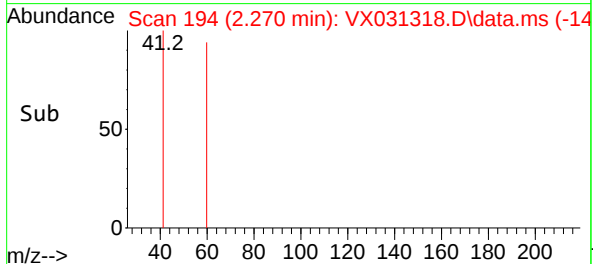
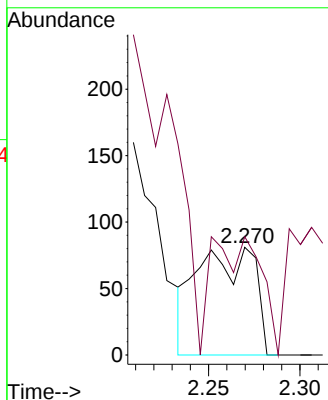
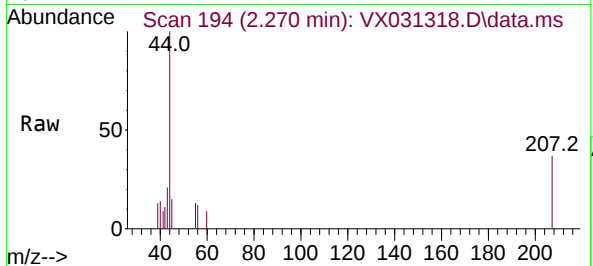




#13
Acrolein
Concen: 0.943 ug/l
RT: 2.270 min Scan# 194
Delta R.T. 0.031 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

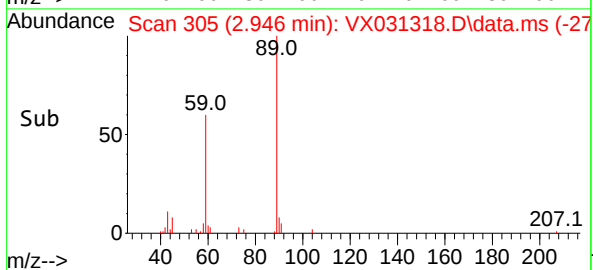
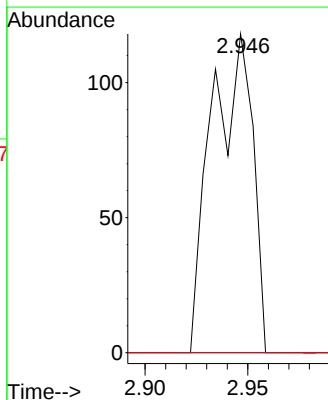
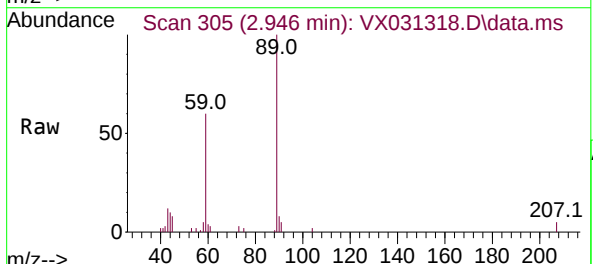
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

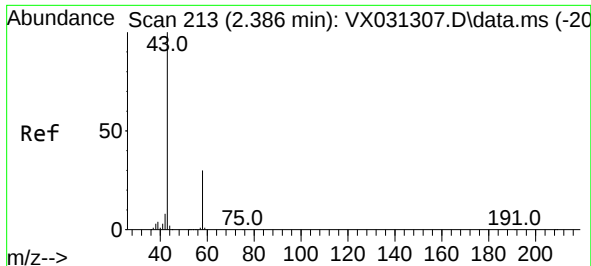
Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 48.3 56.0 84.0#



#15
Acrylonitrile
Concen: 0.221 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.122 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 53 Resp: 163
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 0.0 30.0 45.0#





#16

Acetone

Concen: 1.434 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX031318.D

Acq: 14 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

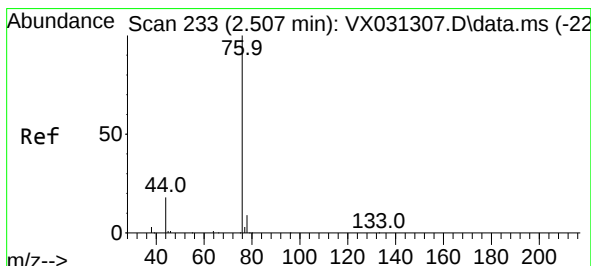
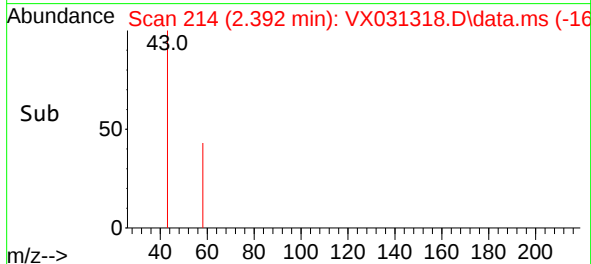
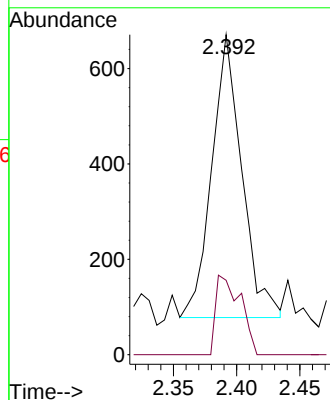
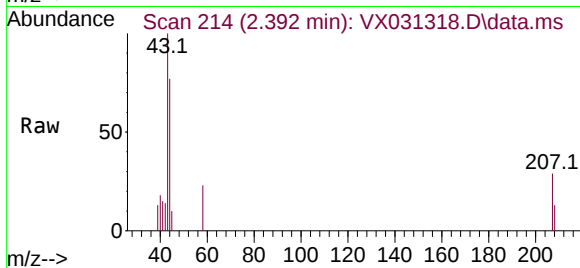
BR-02-133-143-090122

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 26.3 23.8 35.8



#17

Carbon Disulfide

Concen: 1.199 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.001 min

Lab File: VX031318.D

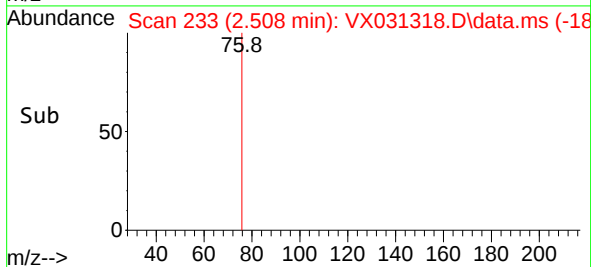
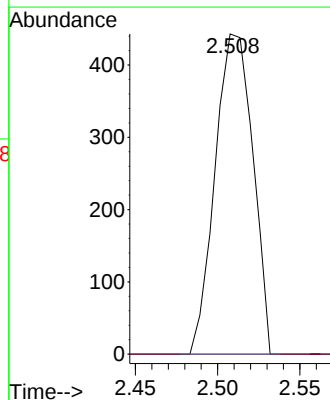
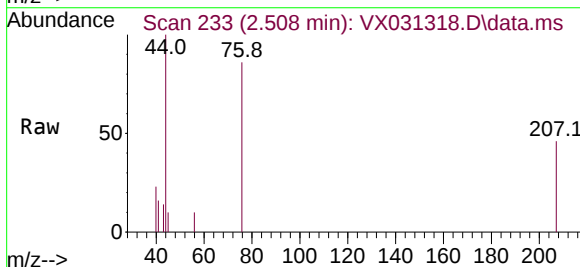
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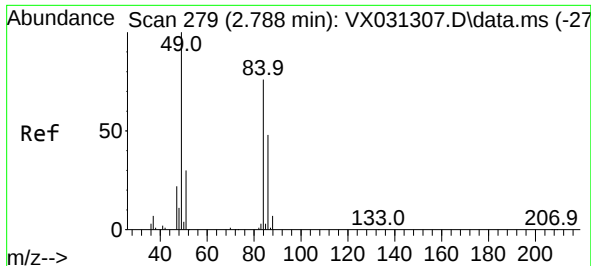
Tgt Ion: 76 Resp: 707

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

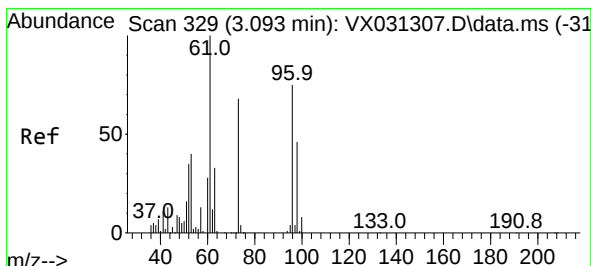
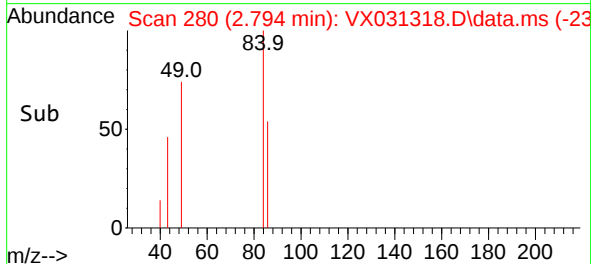
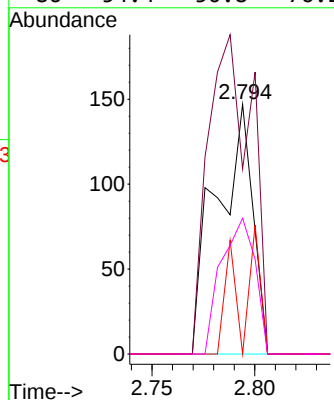
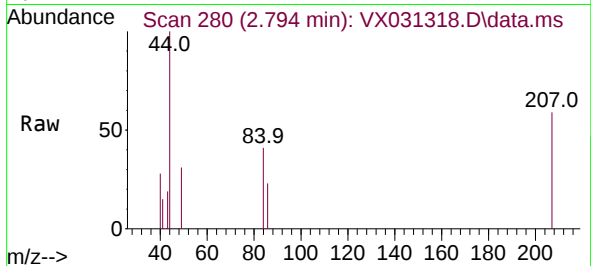




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

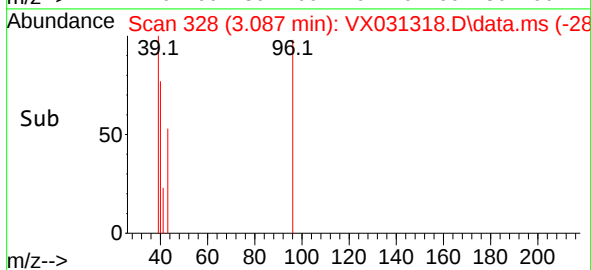
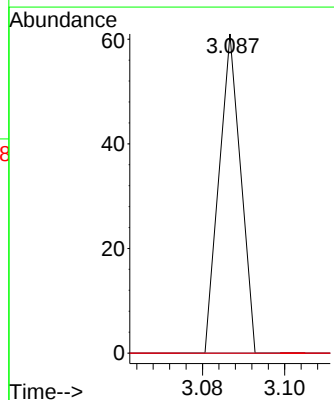
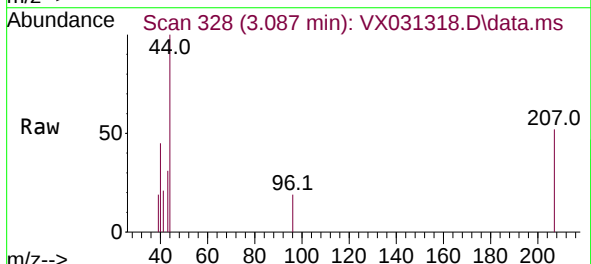
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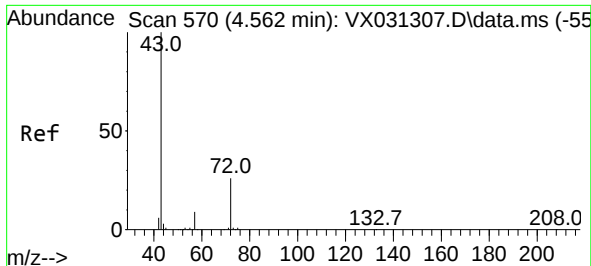
Tgt Ion: 84 Resp: 180
Ion Ratio Lower Upper
84 100
49 74.1 105.9 158.9#
51 0.0 32.2 48.2#
86 54.4 50.8 76.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 96 Resp: 22
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#

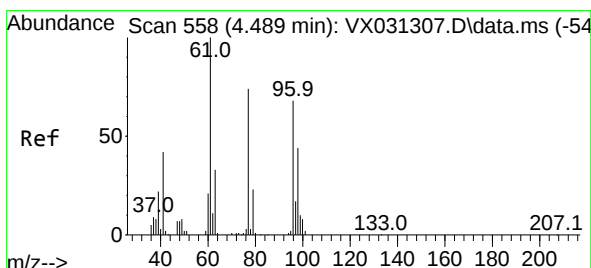
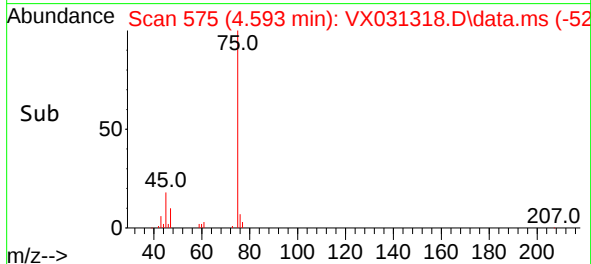
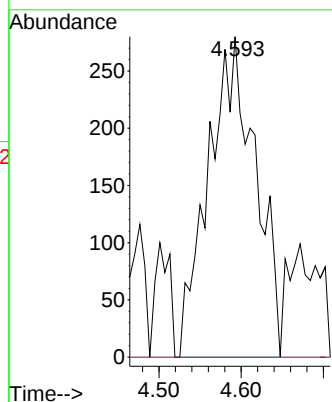
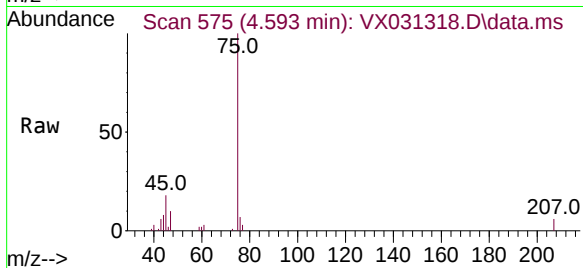




#25
2-Butanone
Concen: 0.989 ug/l
RT: 4.593 min Scan# 511
Delta R.T. 0.031 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

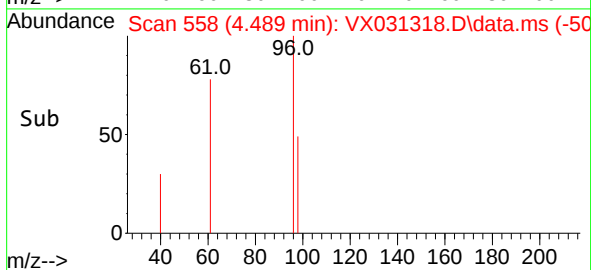
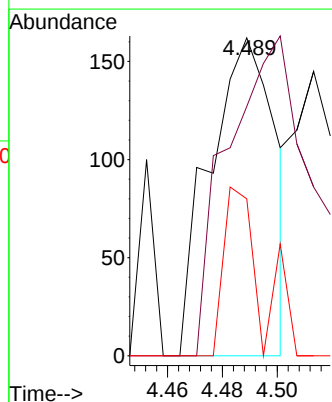
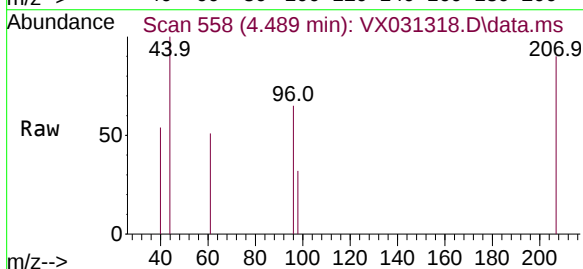
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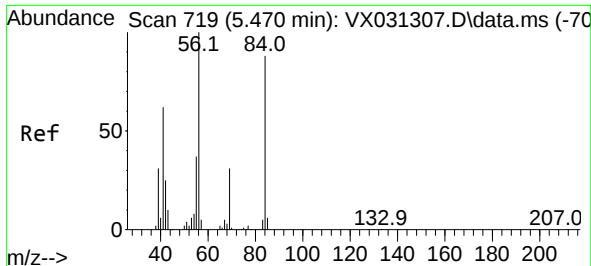
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 0.201 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 96 Resp: 269
Ion Ratio Lower Upper
96 100
61 142.0 0.0 305.2
98 30.5 0.0 128.4

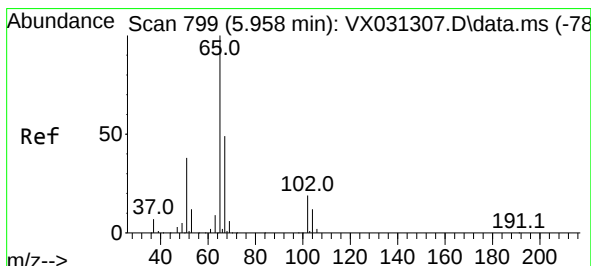
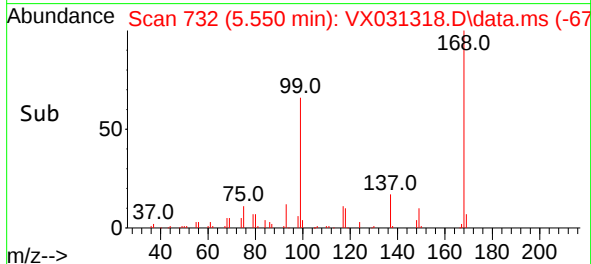
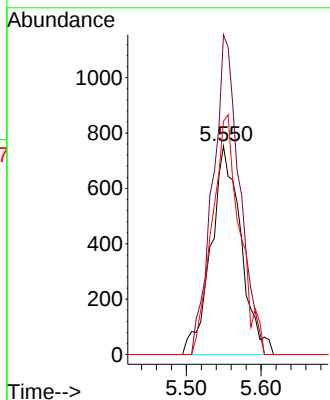
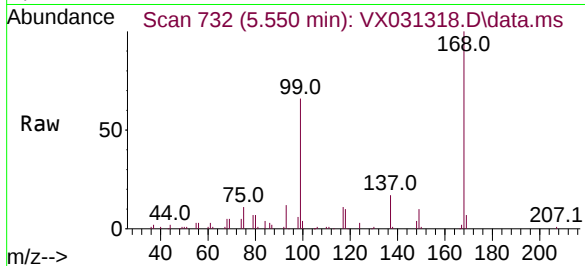




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

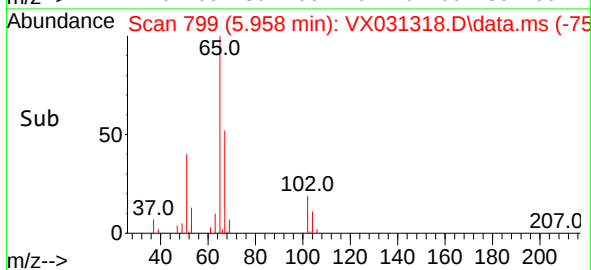
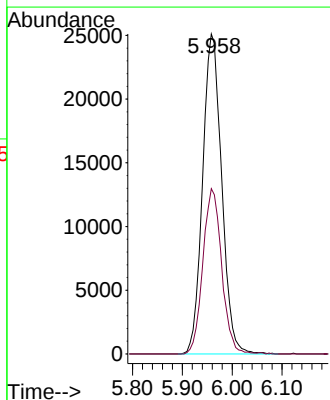
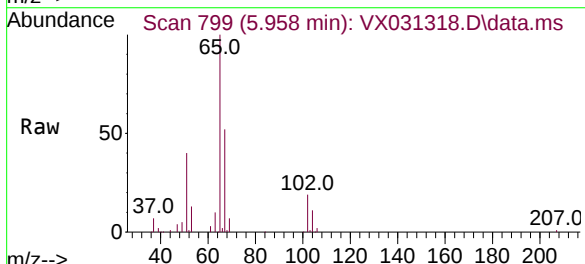
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

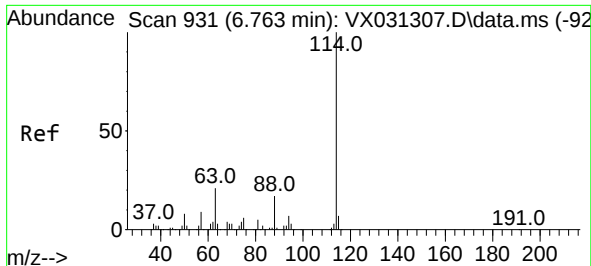
Tgt Ion: 56 Resp: 2091
Ion Ratio Lower Upper
56 100
69 153.4 25.1 37.7#
84 111.8 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 41.689 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 65 Resp: 66673
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

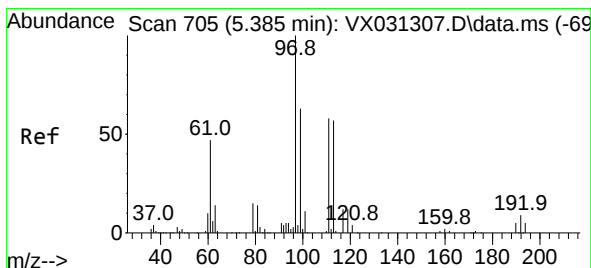
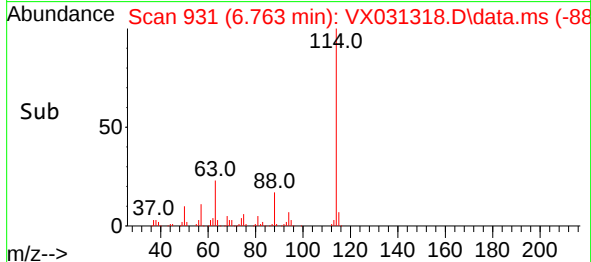
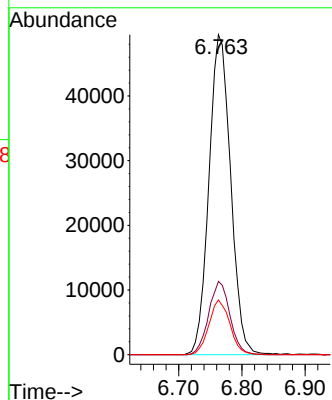
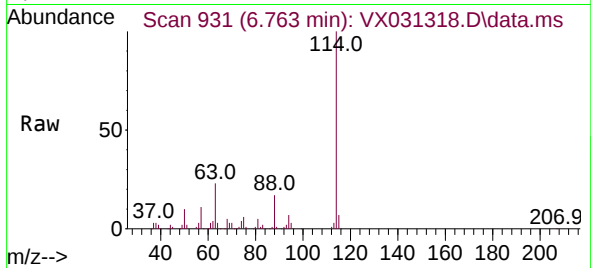




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

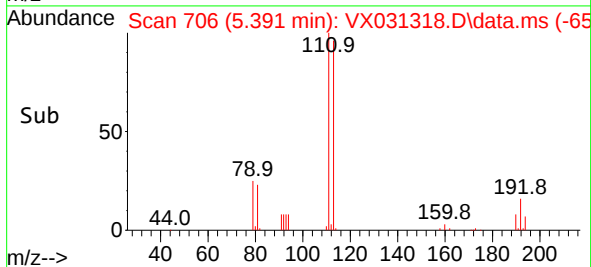
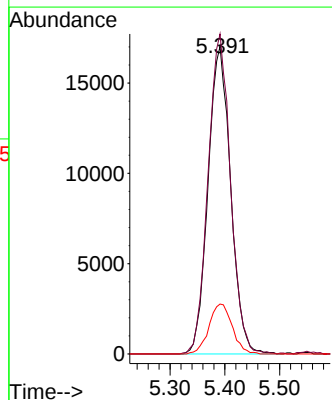
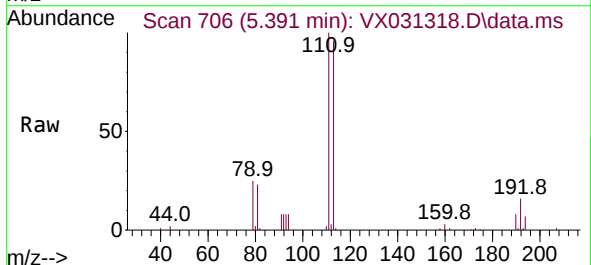
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

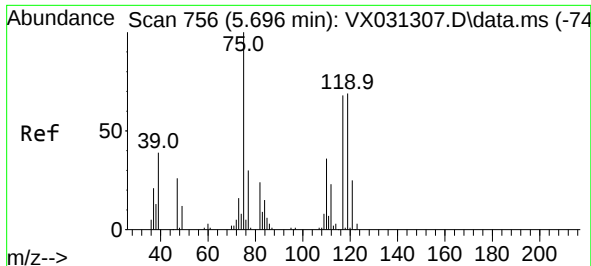
Tgt Ion:114 Resp: 117849
Ion Ratio Lower Upper
114 100
63 22.9 0.0 42.6
88 17.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 38.452 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion:113 Resp: 48711
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 16.8 14.1 21.1

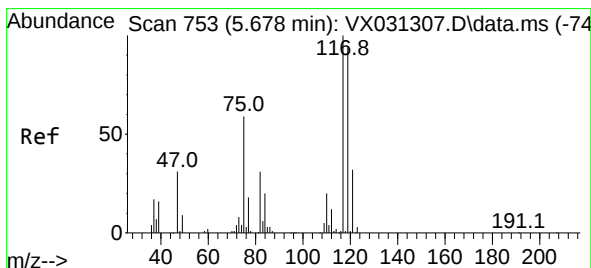
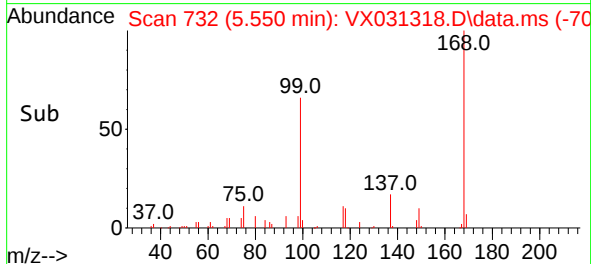
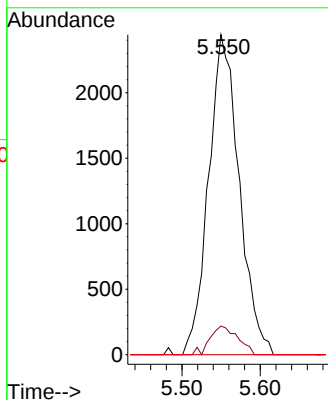
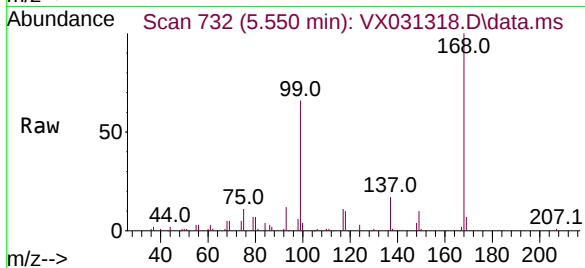




#36
1,1-Dichloropropene
Concen: 3.820 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

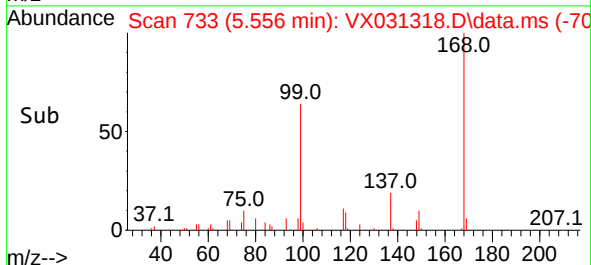
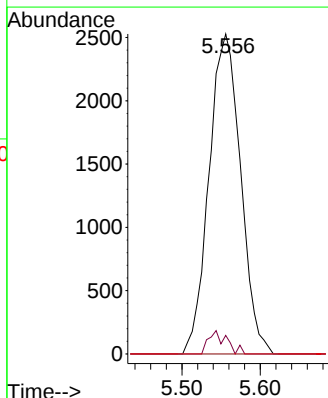
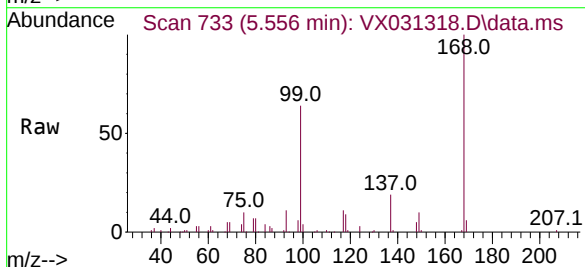
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

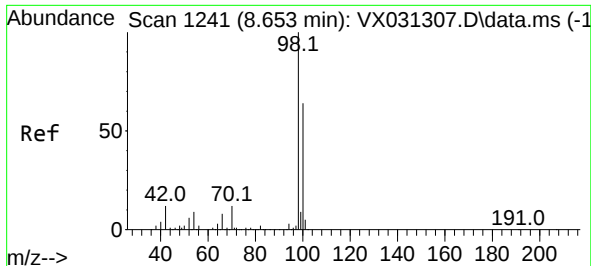
Tgt Ion: 75 Resp: 6623
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.761 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 117 Resp: 7088
Ion Ratio Lower Upper
117 100
119 5.8 74.6 112.0#
121 0.0 25.3 37.9#

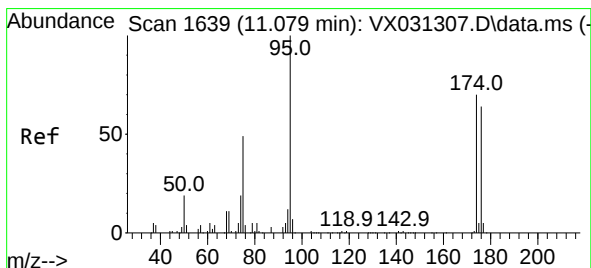
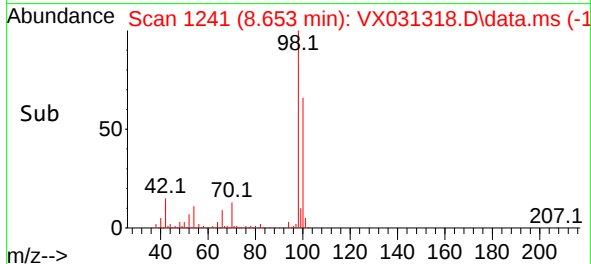
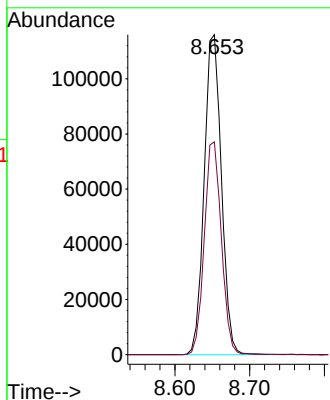
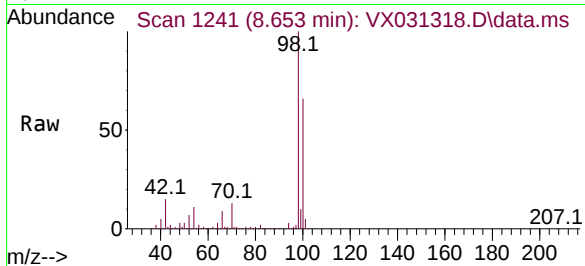




#50
Toluene-d8
Concen: 39.075 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

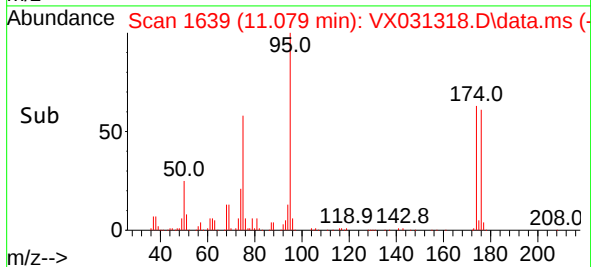
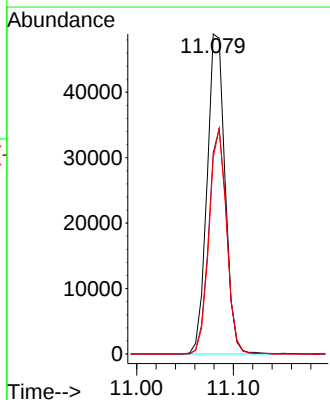
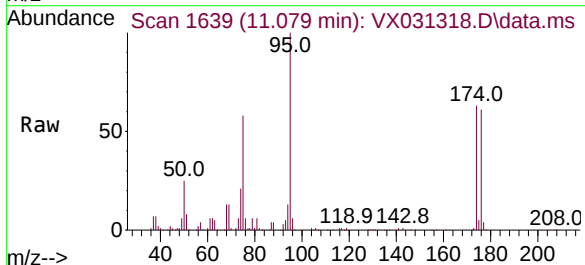
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

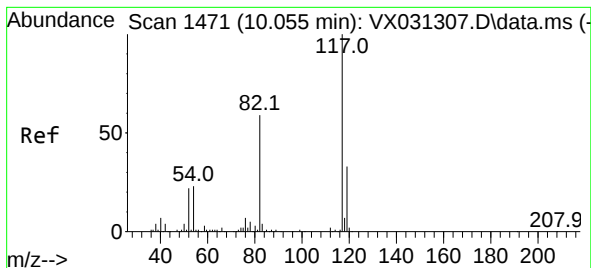
Tgt Ion: 98 Resp: 185681
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 36.411 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 95 Resp: 63360
Ion Ratio Lower Upper
95 100
174 69.9 0.0 153.2
176 68.3 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031318.D

Acq: 14 Sep 2022 20:14

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-143-090122

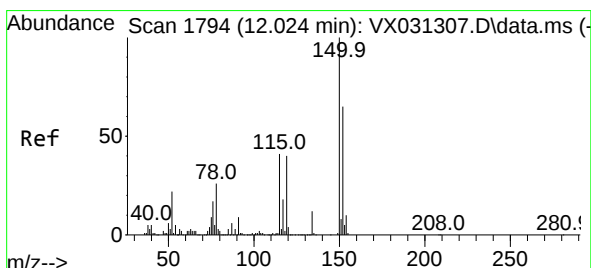
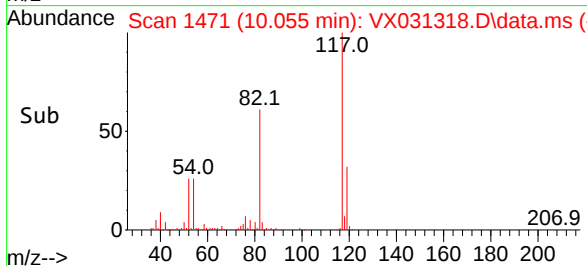
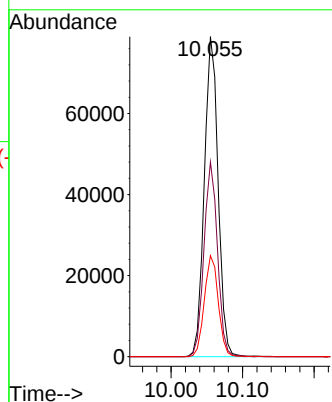
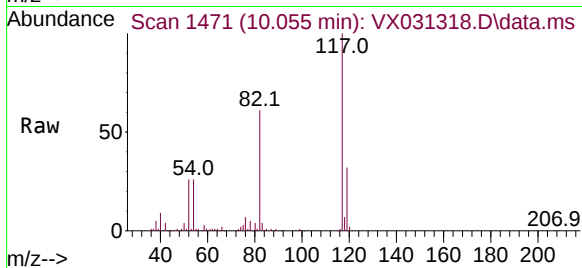
Tgt Ion:117 Resp: 105898

Ion Ratio Lower Upper

117 100

82 60.9 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# 1794

Delta R.T. 0.000 min

Lab File: VX031318.D

Acq: 14 Sep 2022 20:14

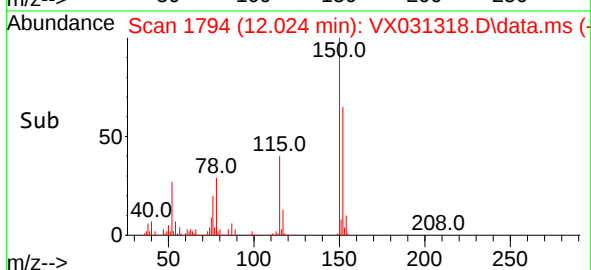
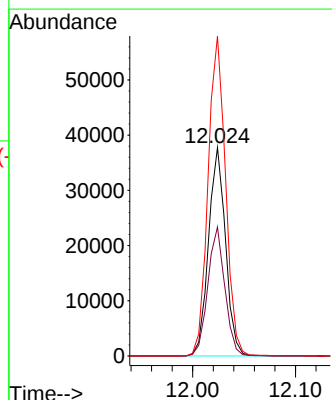
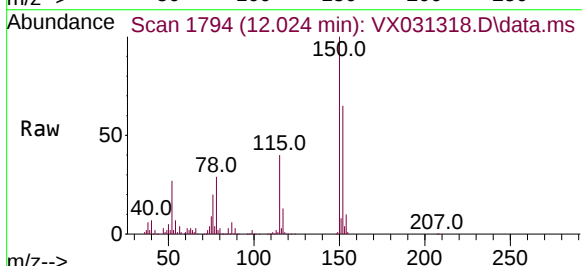
Tgt Ion:152 Resp: 43459

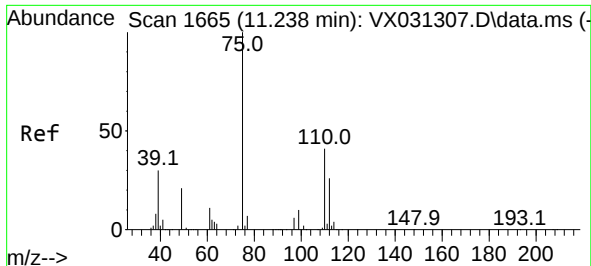
Ion Ratio Lower Upper

152 100

115 61.8 43.4 130.1

150 157.5 0.0 346.8

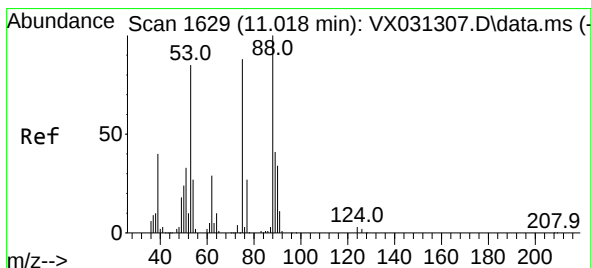
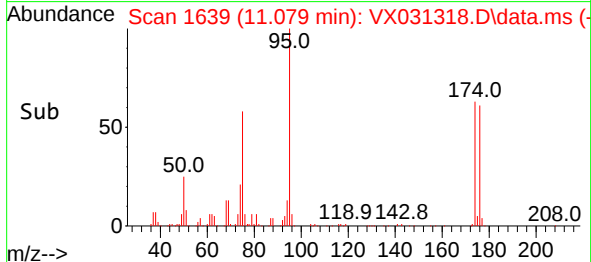
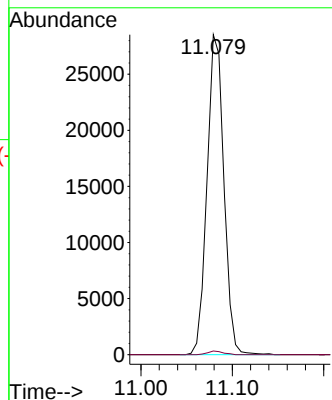
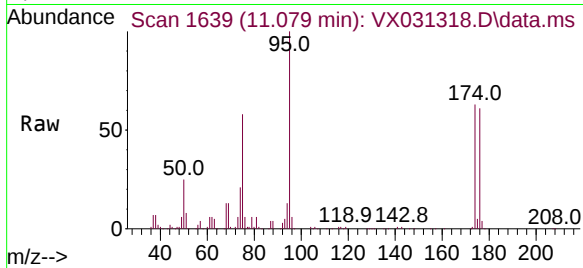




#76
1,2,3-Trichloropropane
Concen: 33.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-143-090122

Tgt Ion: 75 Resp: 36418
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.012 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031318.D
Acq: 14 Sep 2022 20:14

Tgt Ion: 75 Resp: 36418
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

