

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029150.D
 Acq On : 02 Jun 2022 20:59
 Operator : JC/MD
 Sample : N3022-14 25X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 03 04:34:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

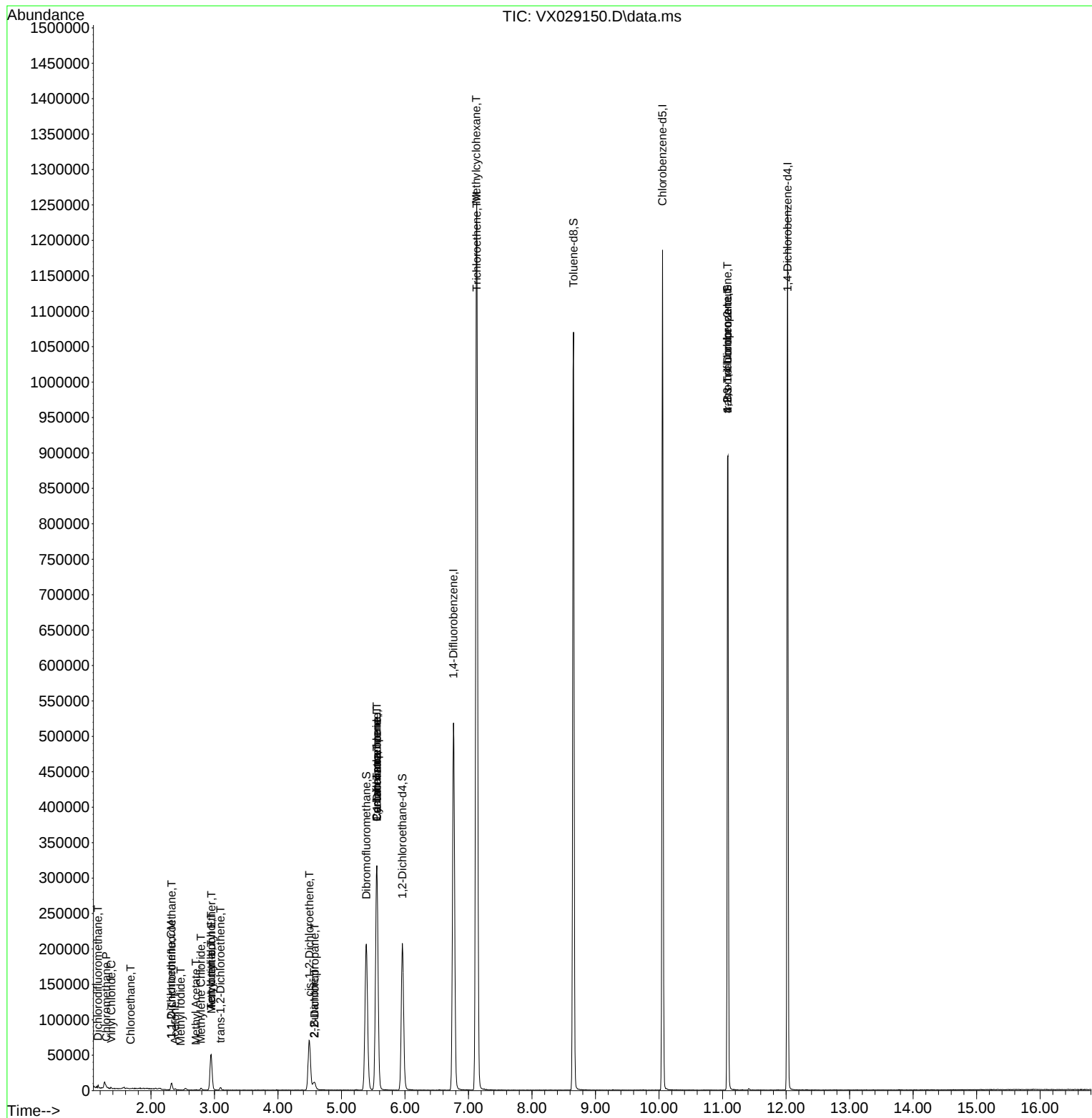
Internal Standards						
1) Pentafluorobenzene	5.556	168	299317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	549512	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	538498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	252997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196710	58.281	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.560%			
35) Dibromofluoromethane	5.391	113	183482	50.269	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.540%			
50) Toluene-d8	8.653	98	651770	48.824	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	262522	50.873	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	2057	0.790	ug/l	96
3) Chloromethane	1.294	50	565	0.207	ug/l #	42
4) Vinyl Chloride	1.374	62	1118	0.373	ug/l #	73
5) Bromomethane	1.611	94	601	Below Cal	#	71
6) Chloroethane	1.679	64	381	1.546	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	2143	0.776	ug/l	95
10) Methyl Iodide	2.465	142	304	4.309	ug/l #	49
11) Tert butyl alcohol	2.947	59	29901	38.242	ug/l #	76
12) 1,1-Dichloroethene	2.319	96	2143	0.794	ug/l	88
15) Acrylonitrile	2.947	53	364	0.226	ug/l #	18
16) Acetone	2.380	43	1717	1.292	ug/l #	87
18) Methyl Acetate	2.709	43	769	0.224	ug/l #	72
19) Methyl tert-butyl Ether	2.953	73	1986	0.217	ug/l #	81
20) Methylene Chloride	2.788	84	1157	0.373	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	1571	0.516	ug/l	98
25) 2-Butanone	4.568	43	594	0.277	ug/l #	44
26) 2,2-Dichloropropane	4.574	77	952	0.231	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	47010	12.952	ug/l	88
31) Cyclohexane	5.556	56	5877	1.339	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22688	4.831	ug/l #	50
38) Carbon Tetrachloride	5.556	117	30818	5.742	ug/l #	15
39) Methylcyclohexane	7.123	83	5850	1.008	ug/l #	1
44) Trichloroethene	7.129	130	506090	123.765	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	128217	25.000	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	128217	73.345	ug/l #	15

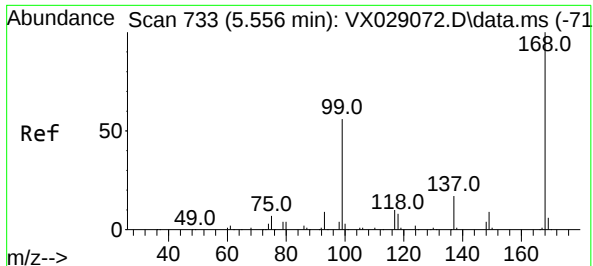
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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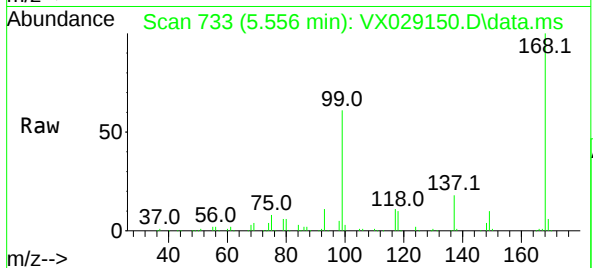
Quant Time: Jun 03 04:34:32 2022
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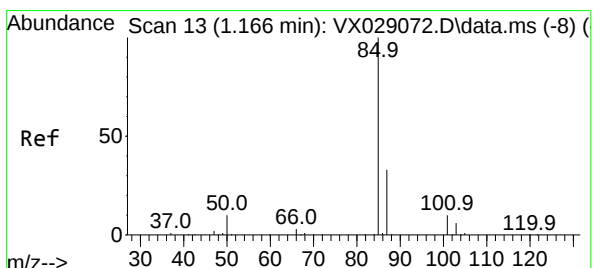
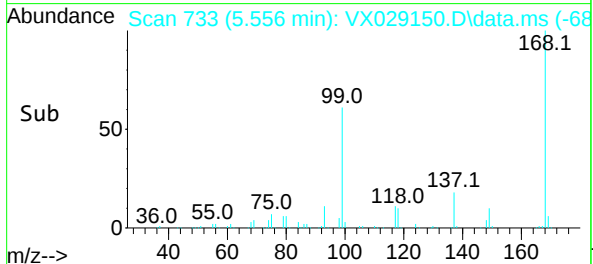
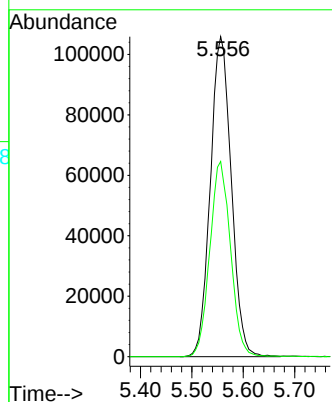


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Instrument :
MSVOA_X
ClientSampleId :

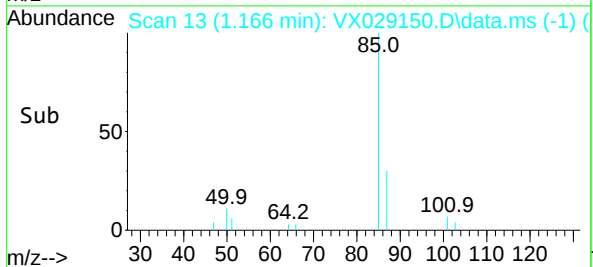
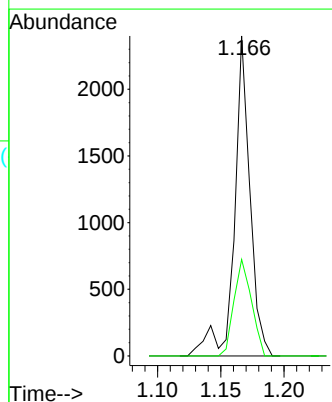
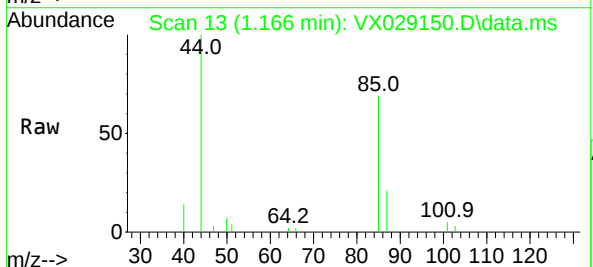


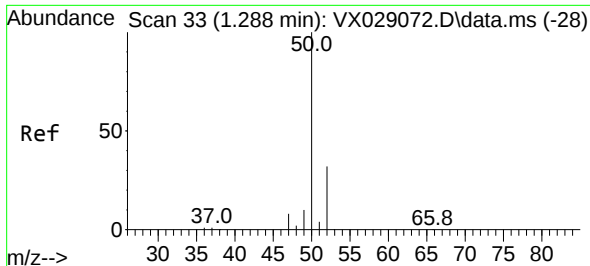
Tgt Ion:168 Resp: 299317
Ion Ratio Lower Upper
168 100
99 61.0 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.790 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 85 Resp: 2057
Ion Ratio Lower Upper
85 100
87 30.2 16.2 48.6

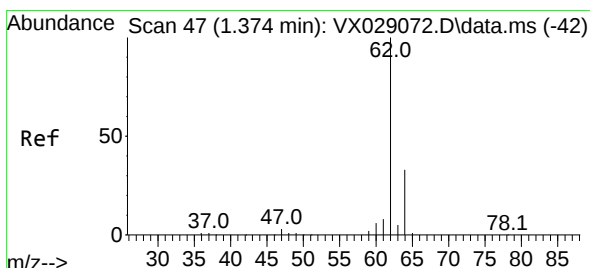
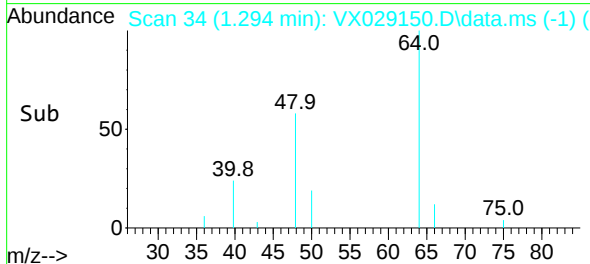
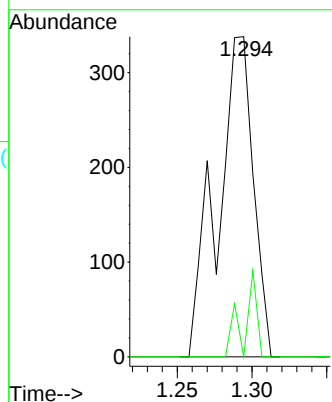
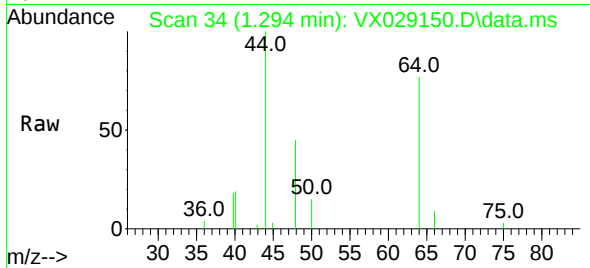




#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

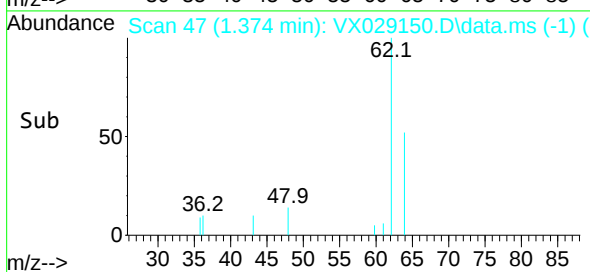
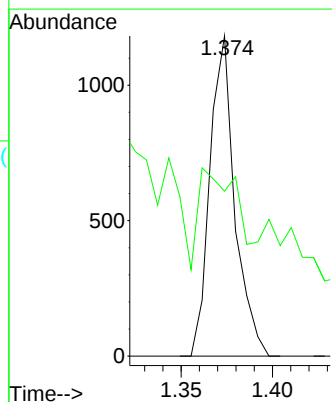
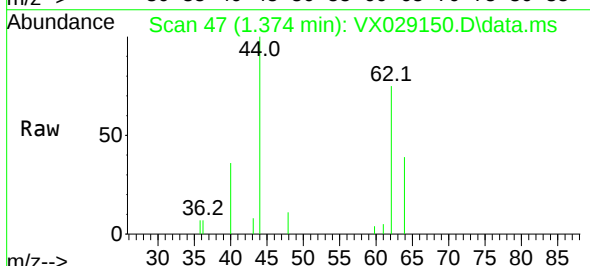
Instrument :
MSVOA_X
ClientSampleId :

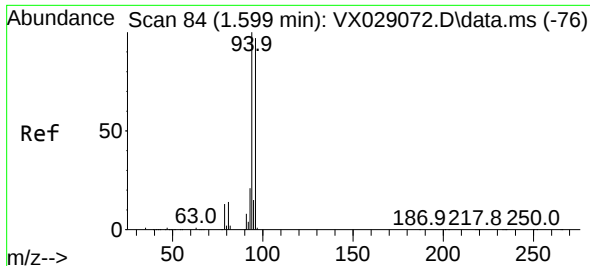
Tgt Ion: 50 Resp: 565
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 0.373 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 62 Resp: 1118
Ion Ratio Lower Upper
62 100
64 17.0 25.5 38.3#

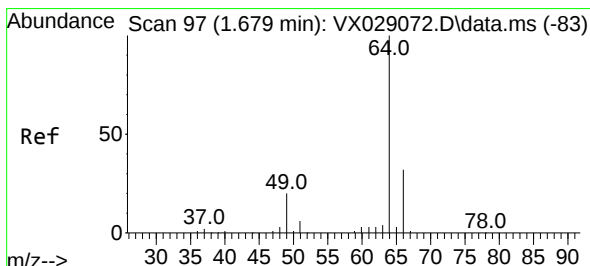
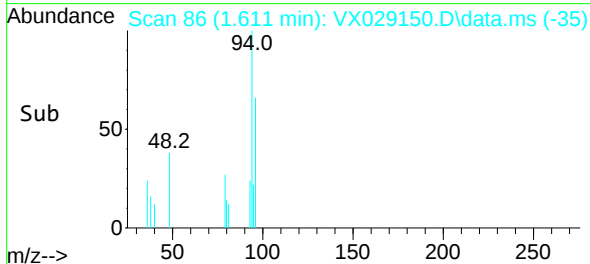
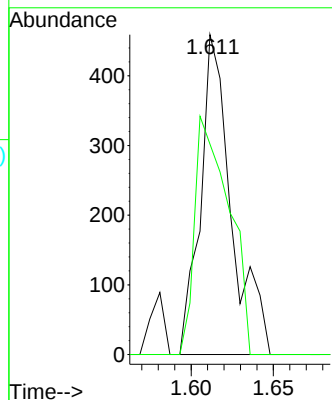
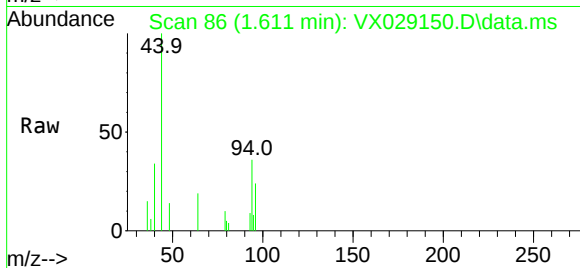




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

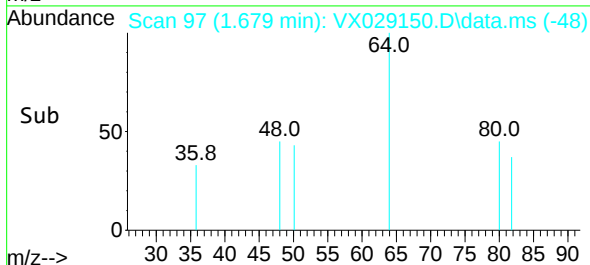
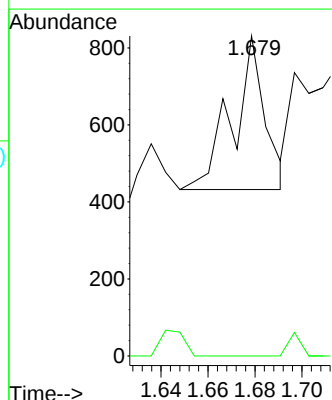
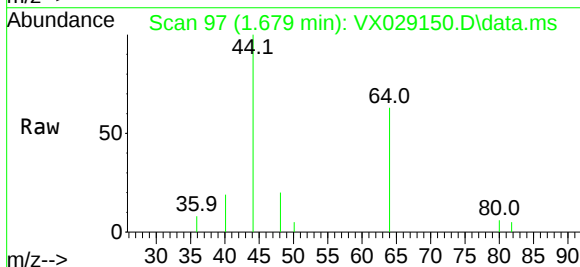
Instrument :
MSVOA_X
ClientSampleId :

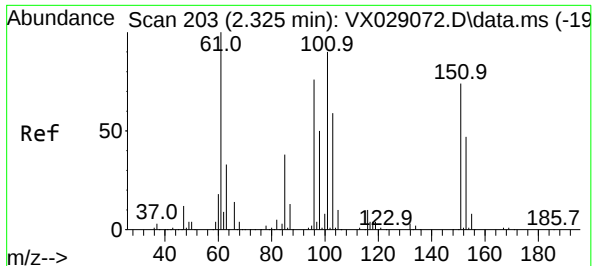
Tgt Ion: 94 Resp: 601
Ion Ratio Lower Upper
94 100
96 65.8 75.3 112.9#



#6
Chloroethane
Concen: 1.546 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 64 Resp: 381
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

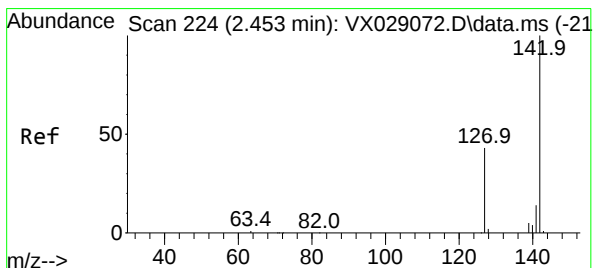
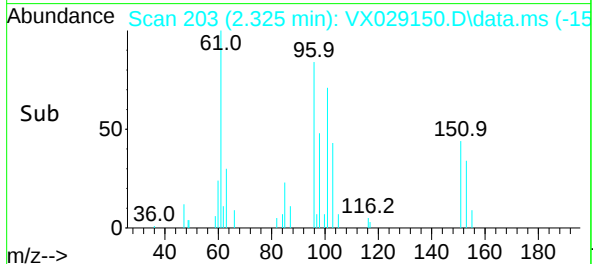
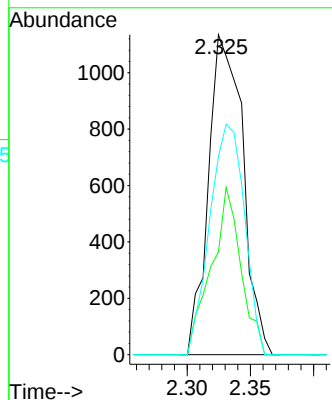
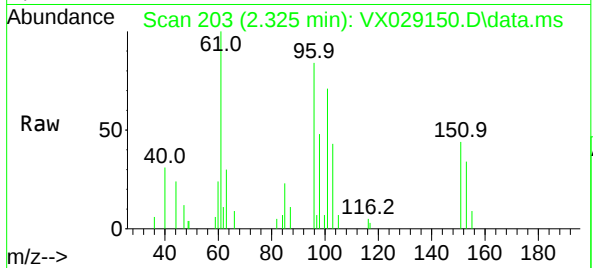




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.776 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

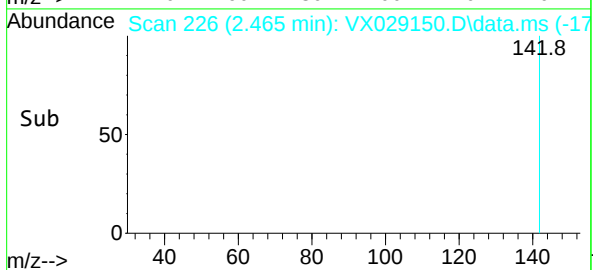
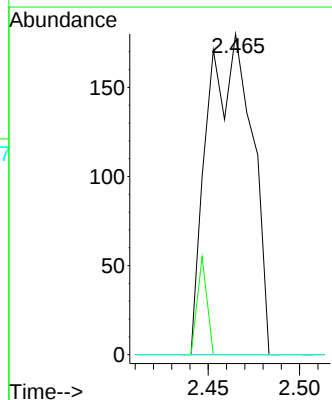
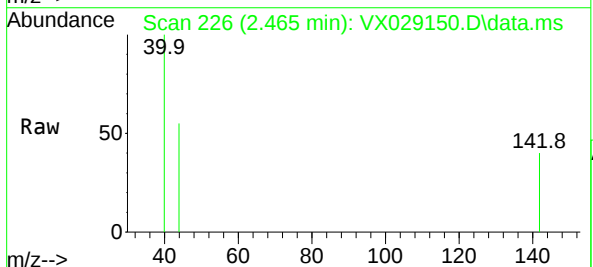
Instrument :
MSVOA_X
ClientSampleId :

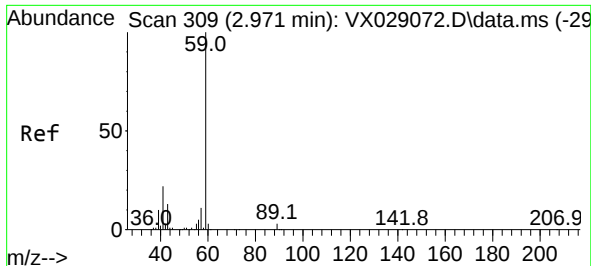
Tgt Ion:101 Resp: 2143
Ion Ratio Lower Upper
101 100
85 45.1 33.5 50.3
151 72.9 61.8 92.6



#10
Methyl Iodide
Concen: 4.309 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

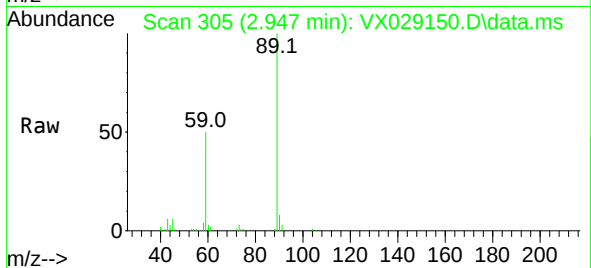
Tgt Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 6.6 33.9 50.9#
141 0.0 11.4 17.2#



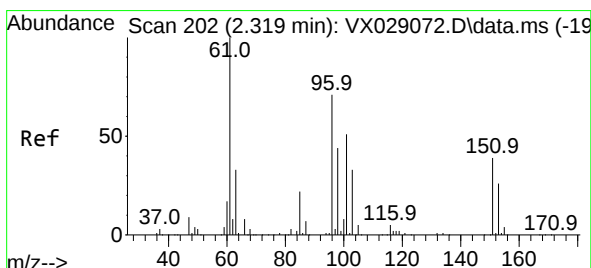
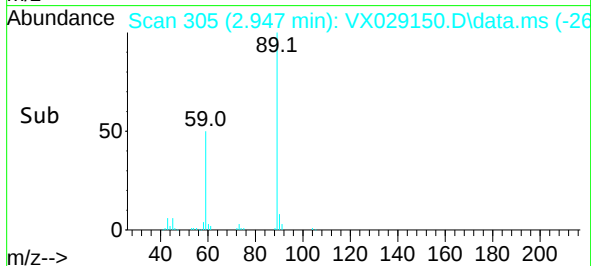
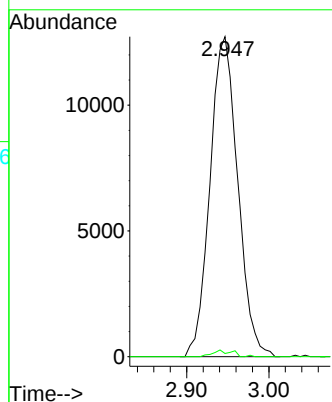


#11
Tert butyl alcohol
Concen: 38.242 ug/l
RT: 2.947 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Instrument :
MSVOA_X
ClientSampleId :

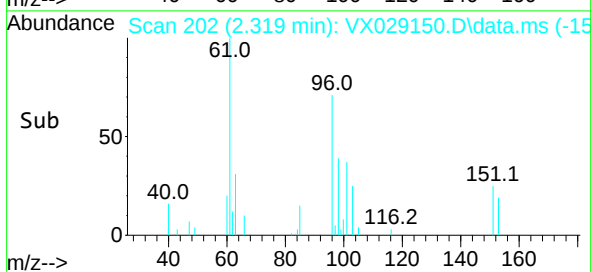
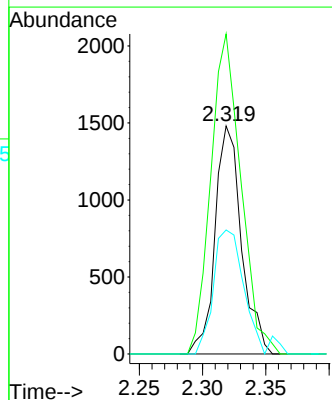
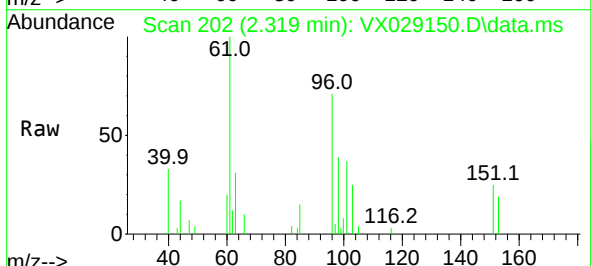


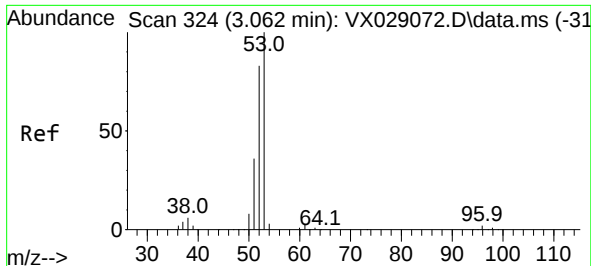
Tgt Ion: 59 Resp: 29901
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.794 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 96 Resp: 2143
Ion Ratio Lower Upper
96 100
61 140.3 124.6 187.0
98 54.4 51.0 76.4





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.115 min

Lab File: VX029150.D

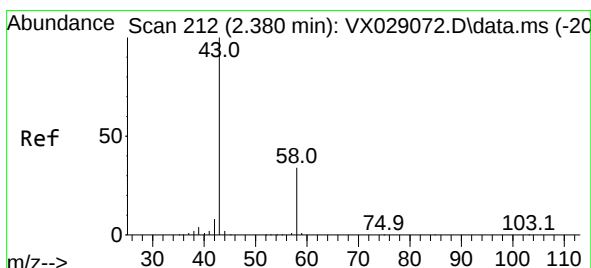
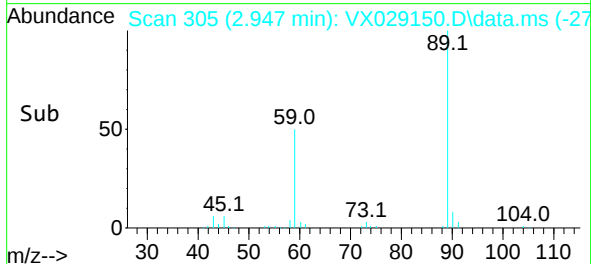
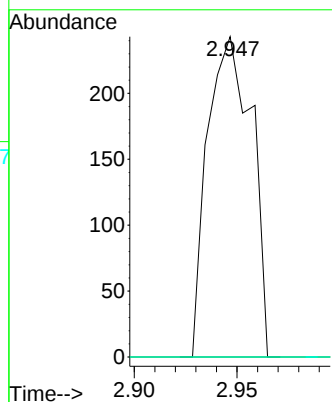
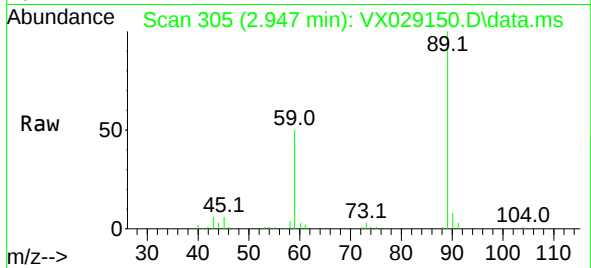
Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 364
Ion Ratio	Lower Upper
53 100	
52 0.0	65.7 98.5#
51 0.0	28.4 42.6#



#16

Acetone

Concen: 1.292 ug/l

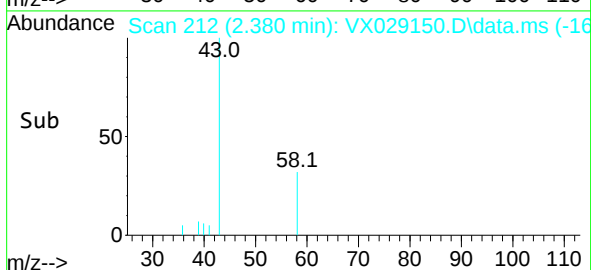
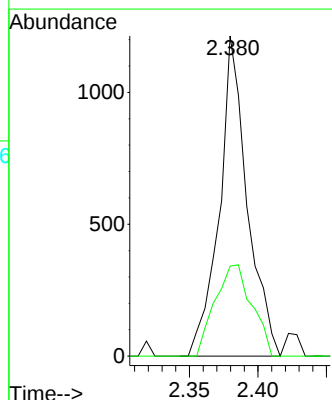
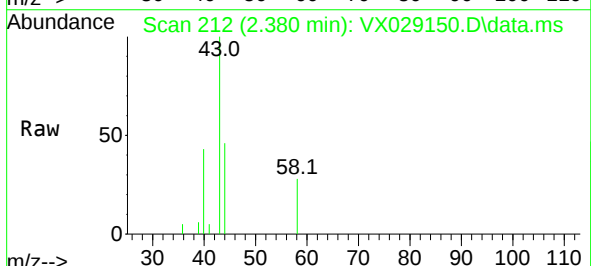
RT: 2.380 min Scan# 212

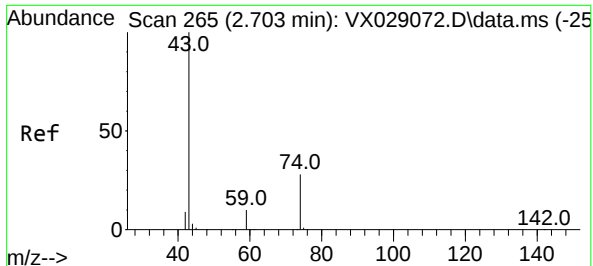
Delta R.T. -0.000 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Tgt Ion: 43	Resp: 1717
Ion Ratio	Lower Upper
43 100	
58 28.1	28.8 43.2#

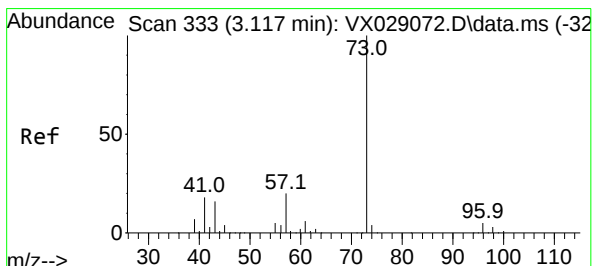
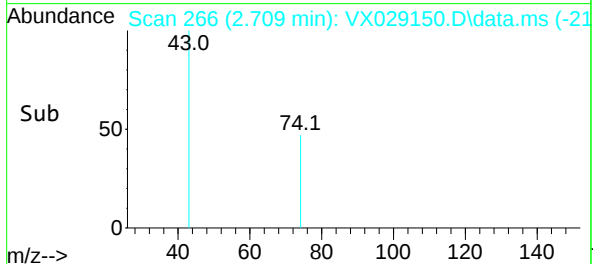
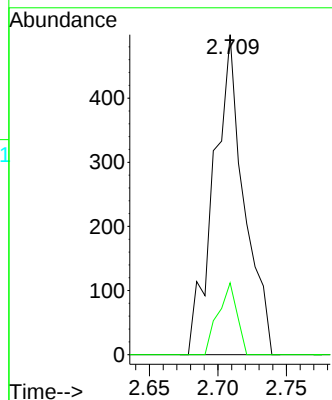
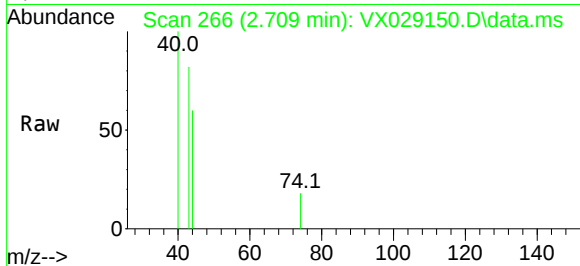




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

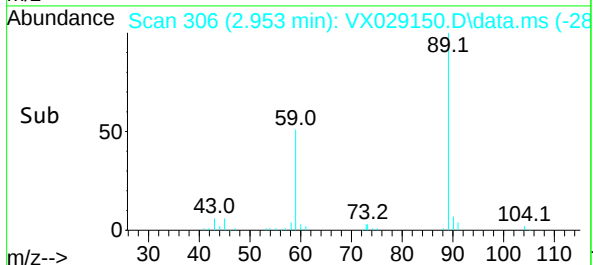
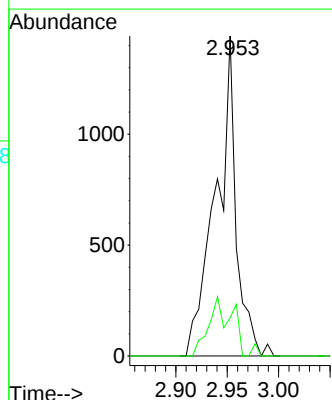
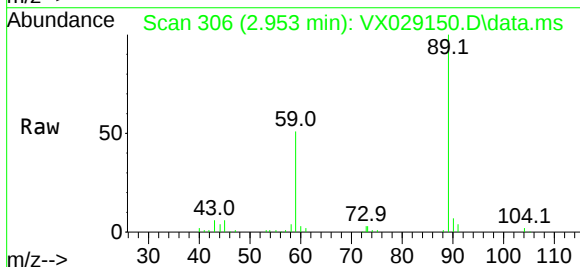
Instrument :
MSVOA_X
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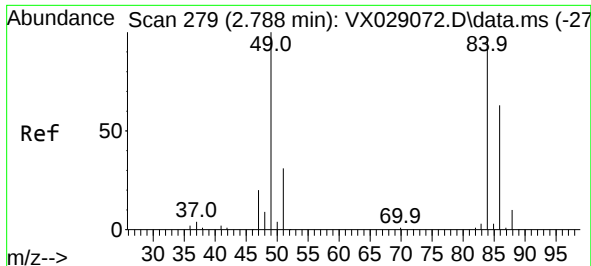
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
74 13.9 22.8 34.2#



#19
Methyl tert-butyl Ether
Concen: 0.217 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.164 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 73 Resp: 1986
Ion Ratio Lower Upper
73 100
57 11.9 16.8 25.2#





#20

Methylene Chloride

Concen: 0.373 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

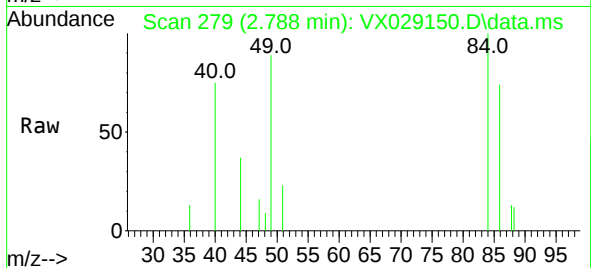
Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1157

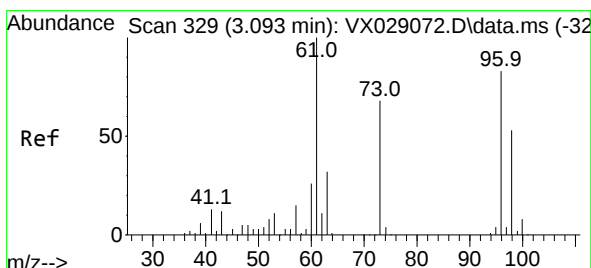
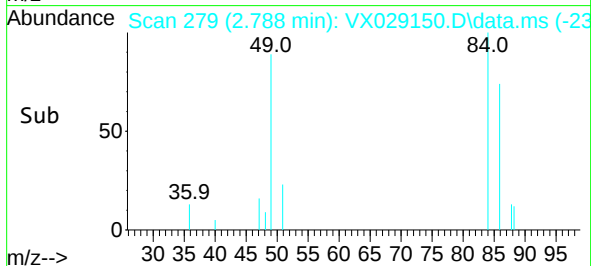
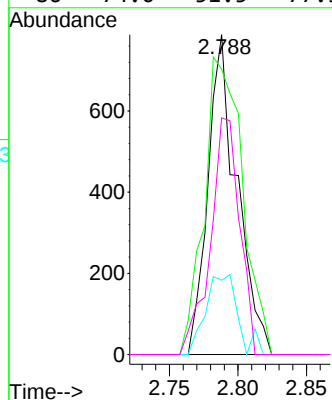
Ion Ratio Lower Upper

84 100

49 89.2 85.5 128.3

51 23.2 26.6 39.8#

86 74.0 51.5 77.3



#21

trans-1,2-Dichloroethene

Concen: 0.516 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

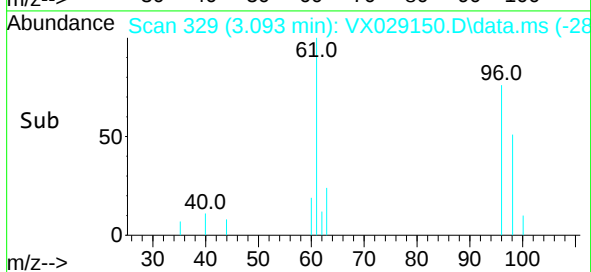
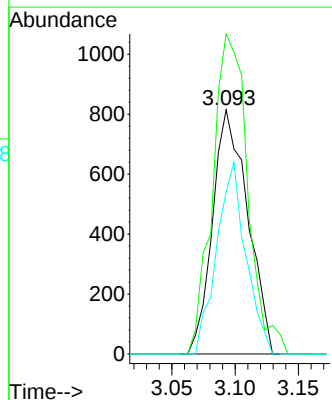
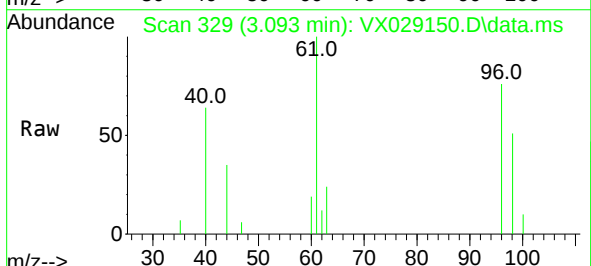
Tgt Ion: 96 Resp: 1571

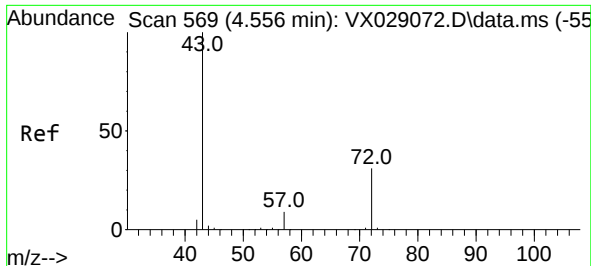
Ion Ratio Lower Upper

96 100

61 131.0 105.4 158.2

98 66.3 50.0 75.0





#25

2-Butanone

Concen: 0.277 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

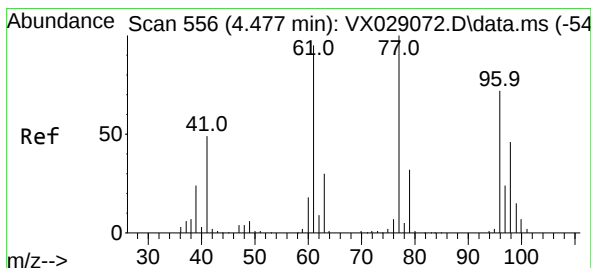
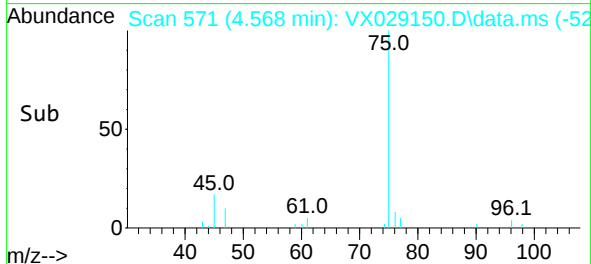
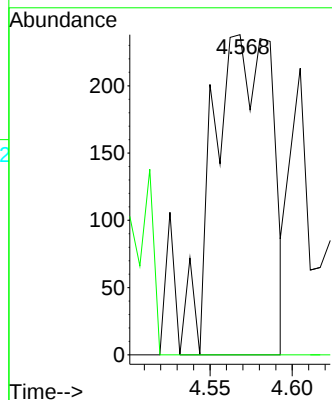
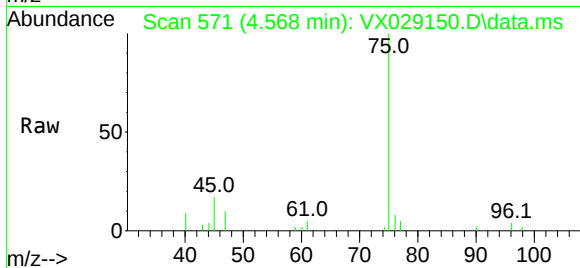
ClientSampleId :

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#26

2,2-Dichloropropane

Concen: 0.231 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.097 min

Lab File: VX029150.D

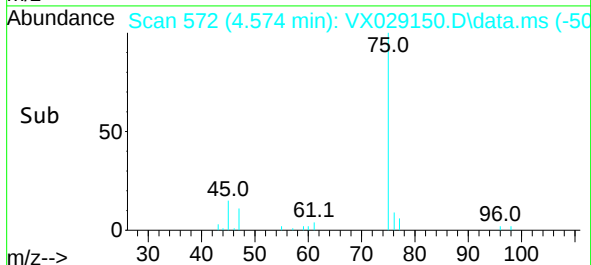
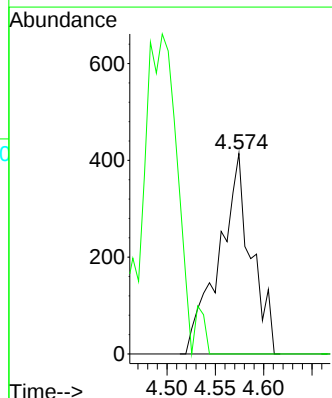
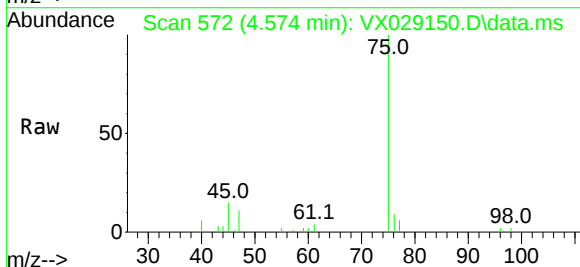
Acq: 02 Jun 2022 20:59

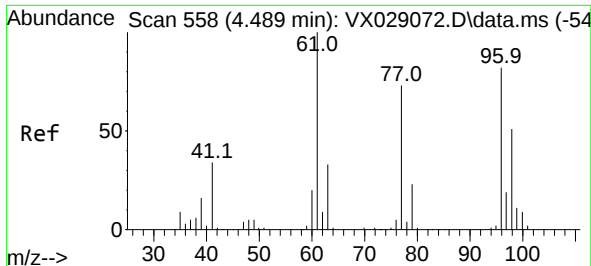
Tgt Ion: 77 Resp: 952

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#27

cis-1,2-Dichloroethene

Concen: 12.952 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

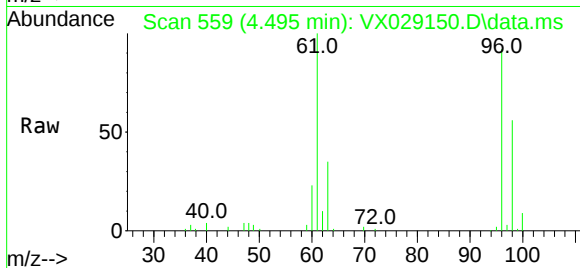
Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :



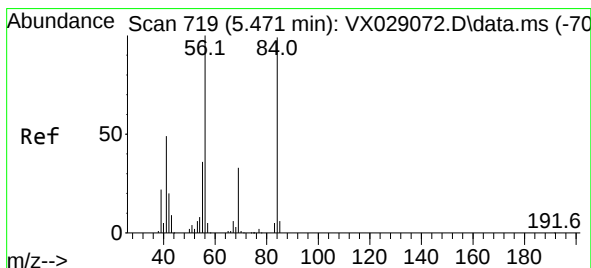
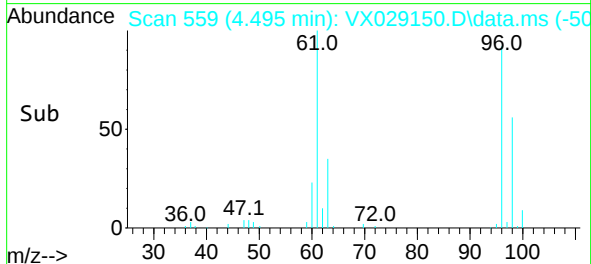
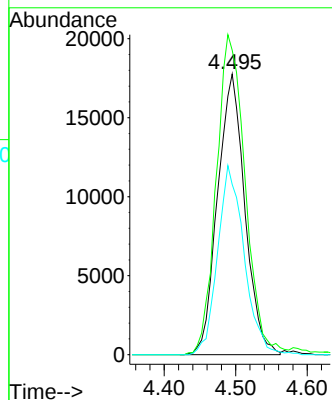
Tgt Ion: 96 Resp: 47010

Ion Ratio Lower Upper

96 100

61 120.4 0.0 283.8

98 65.8 0.0 129.8



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

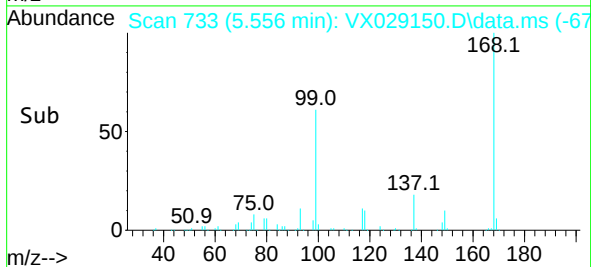
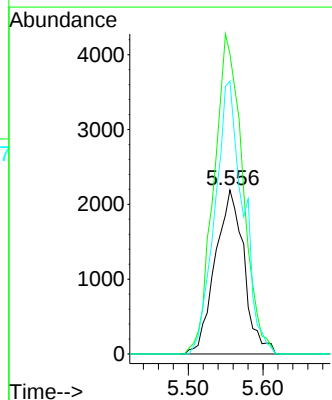
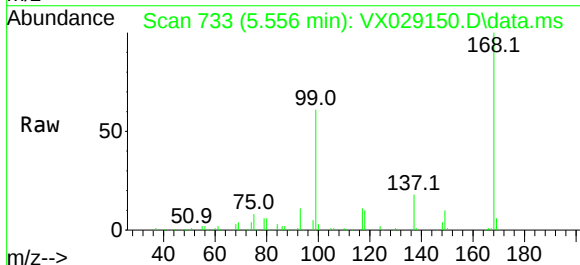
Tgt Ion: 56 Resp: 5877

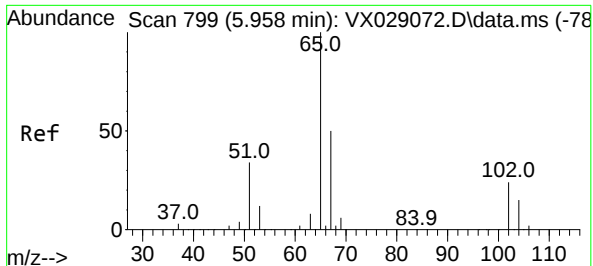
Ion Ratio Lower Upper

56 100

69 183.0 26.7 40.1#

84 166.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.281 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

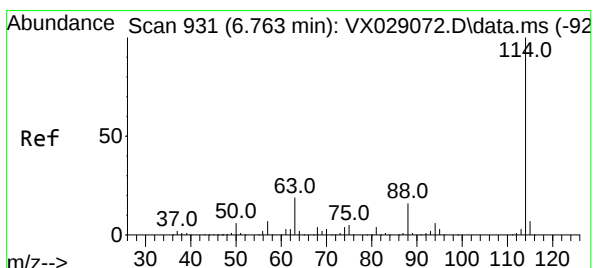
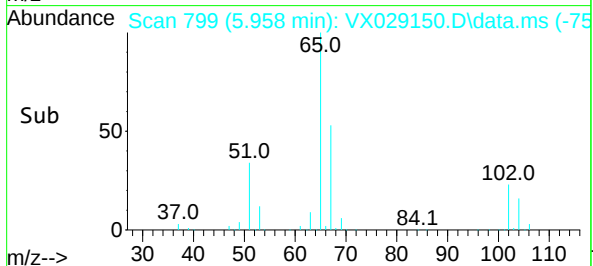
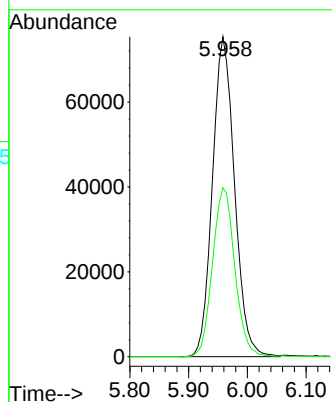
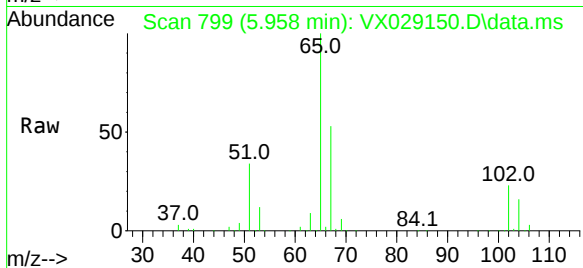
ClientSampleId :

Tgt Ion: 65 Resp: 196710

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

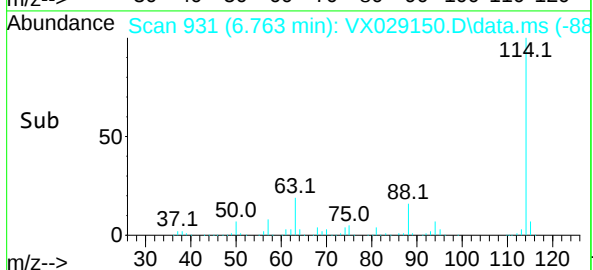
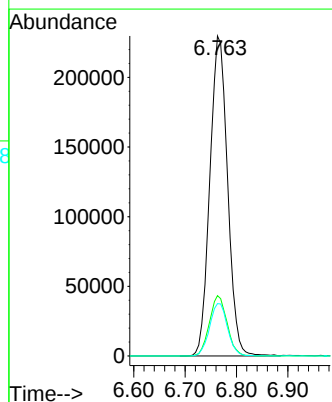
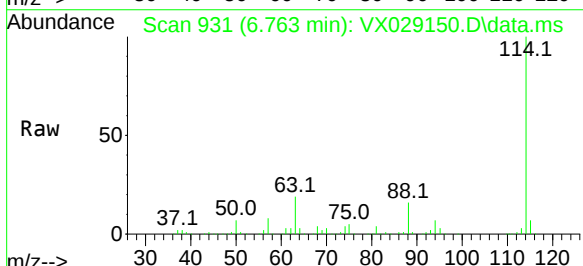
Tgt Ion: 114 Resp: 549512

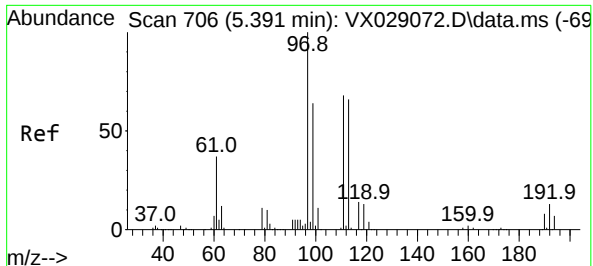
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.269 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

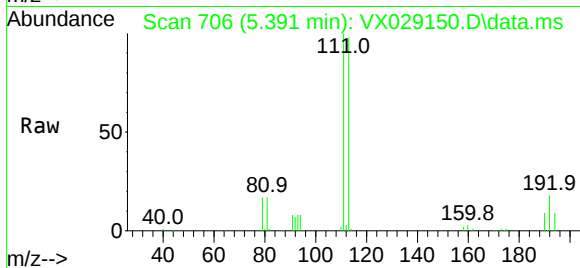
Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :



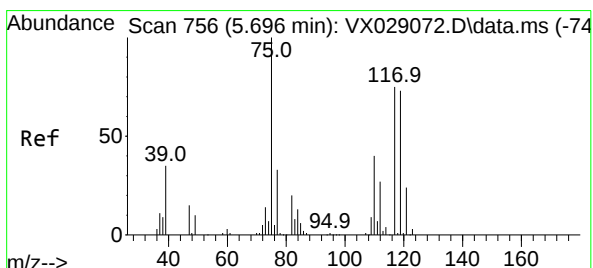
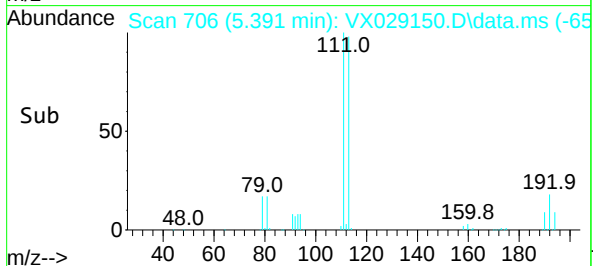
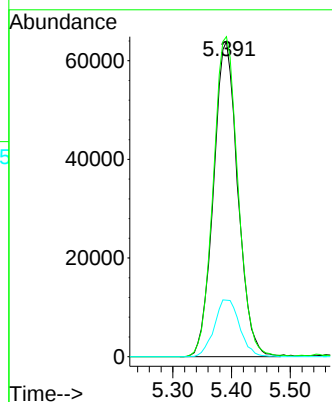
Tgt Ion:113 Resp: 183482

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

192 18.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

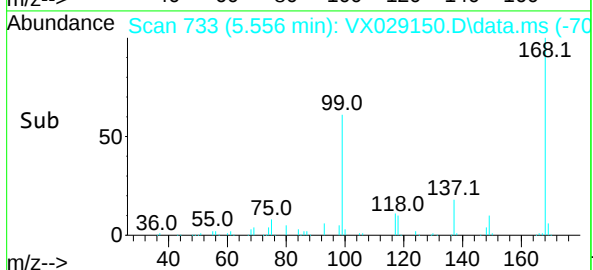
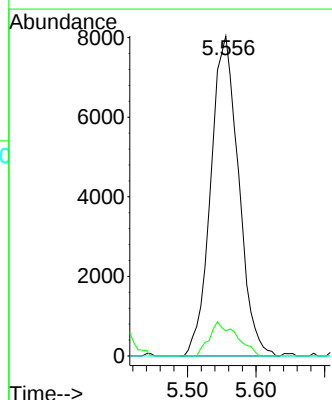
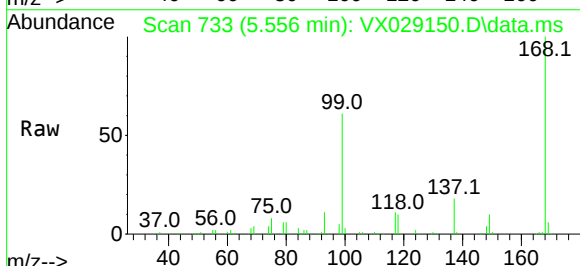
Tgt Ion: 75 Resp: 22688

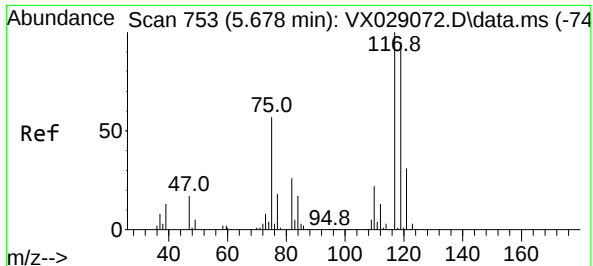
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

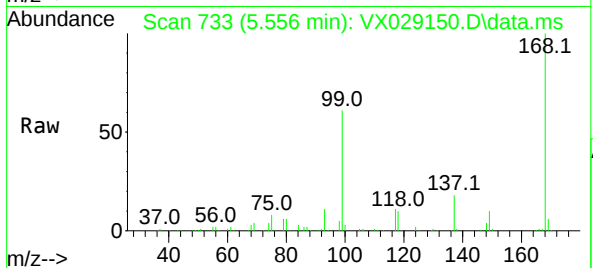
77 0.0 24.8 37.2#



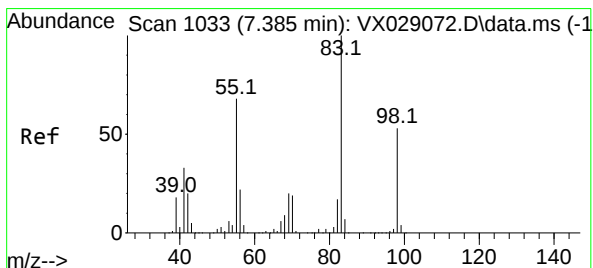
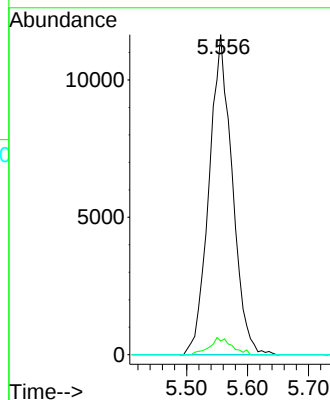
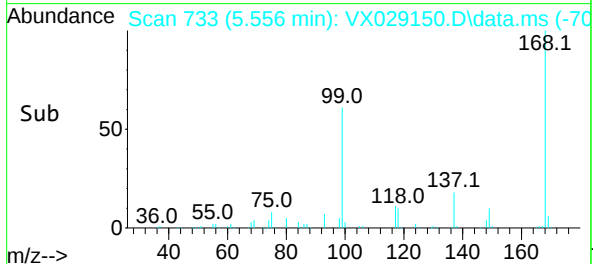


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Instrument :
MSVOA_X
ClientSampleId :

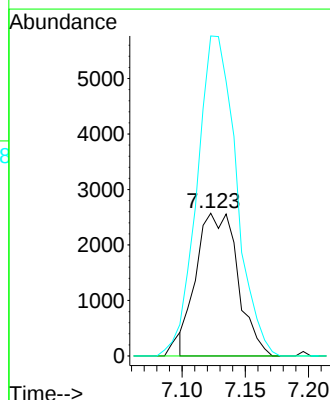
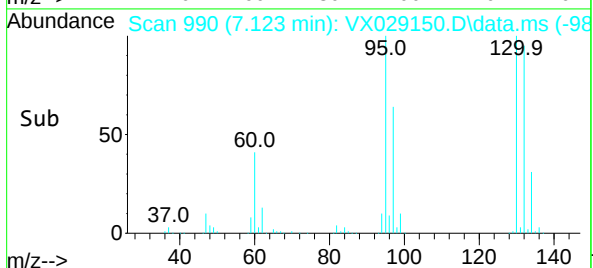
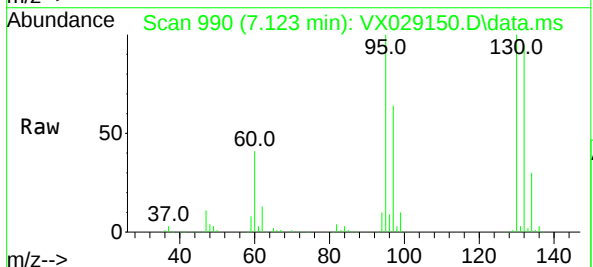


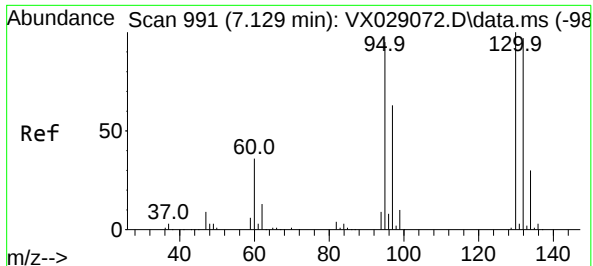
Tgt Ion:117 Resp: 30818
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.008 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

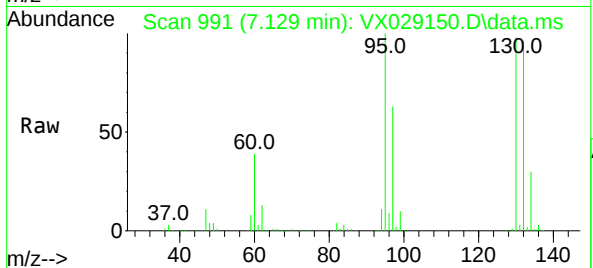
Tgt Ion: 83 Resp: 5850
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 224.1 37.4 56.2#



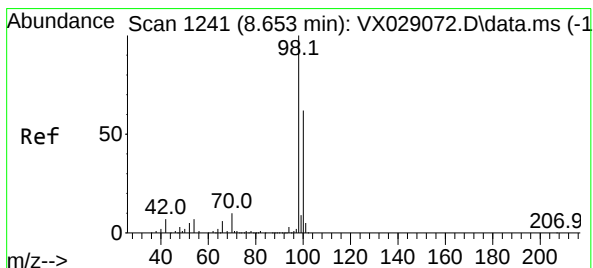
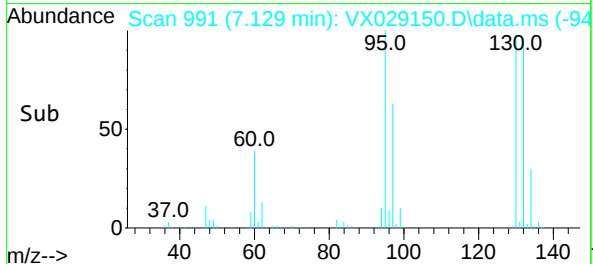
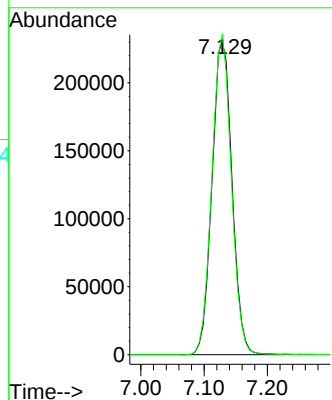


#44
Trichloroethene
Concen: 123.765 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Instrument :
MSVOA_X
ClientSampleId :

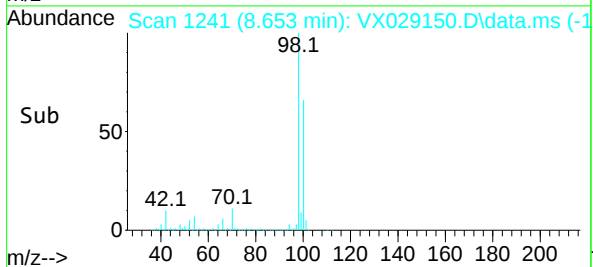
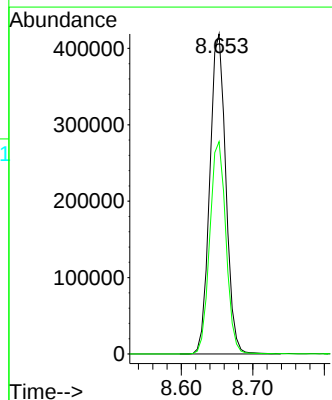
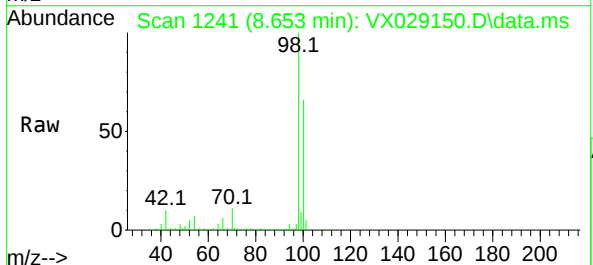


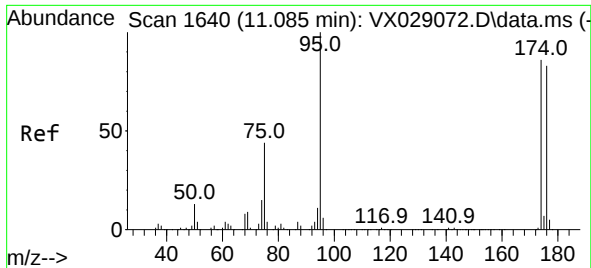
Tgt Ion:130 Resp: 506090
Ion Ratio Lower Upper
130 100
95 102.1 0.0 188.8



#50
Toluene-d8
Concen: 48.824 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 98 Resp: 651770
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

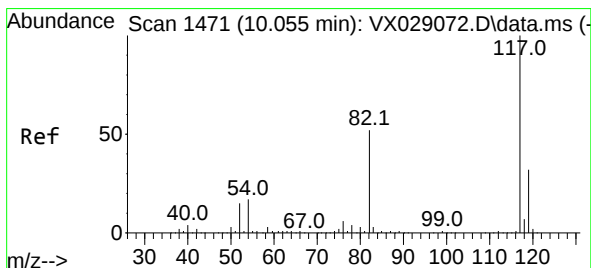
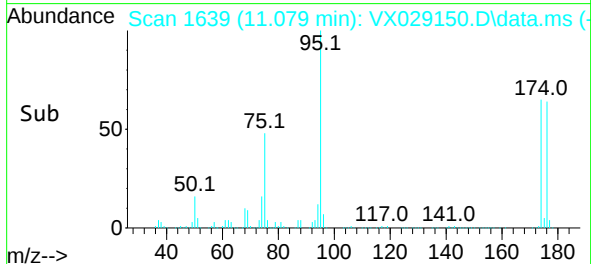
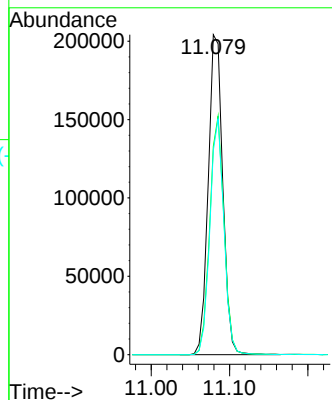
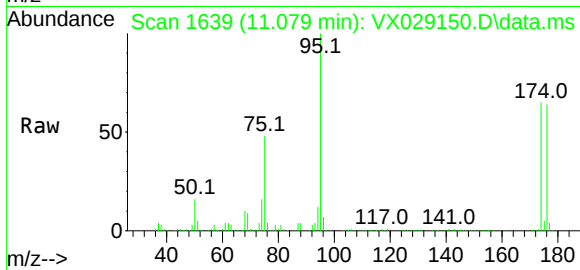




#62
4-Bromofluorobenzene
Concen: 50.873 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

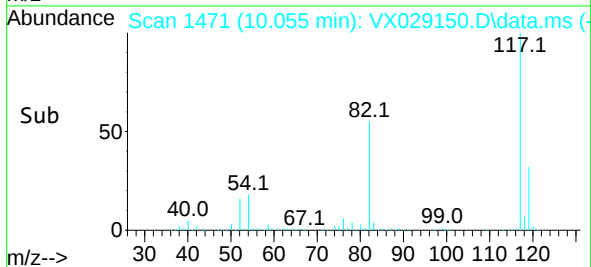
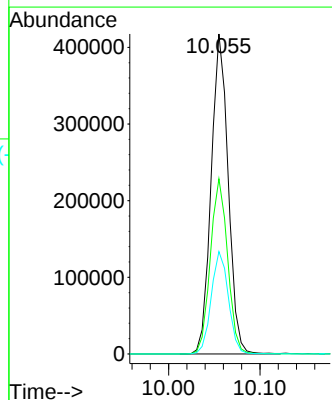
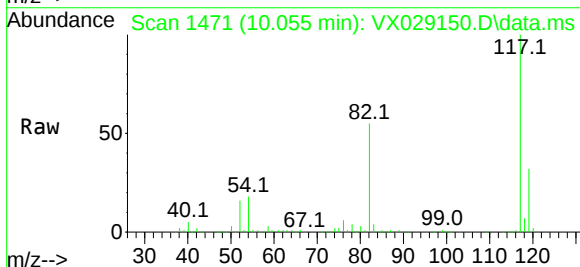
Instrument :
MSVOA_X
ClientSampleId :

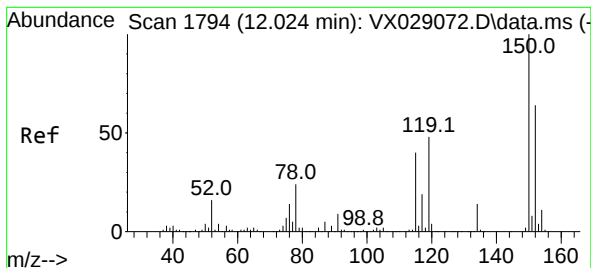
Tgt Ion: 95 Resp: 262522
Ion Ratio Lower Upper
95 100
174 73.2 0.0 163.0
176 71.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029150.D
Acq: 02 Jun 2022 20:59

Tgt Ion: 117 Resp: 538498
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 32.0 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX029150.D

Acq: 02 Jun 2022 20:59

Instrument :

MSVOA_X

ClientSampleId :

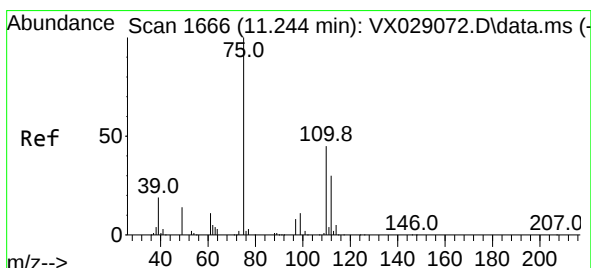
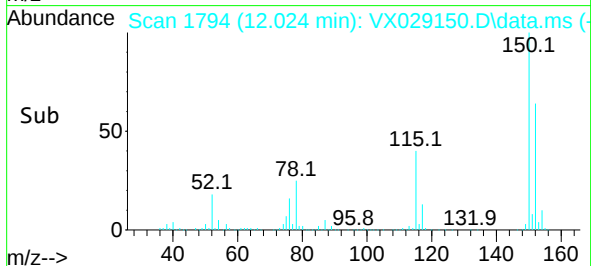
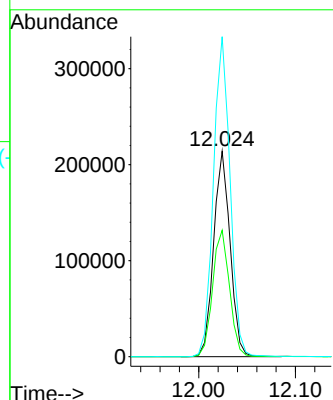
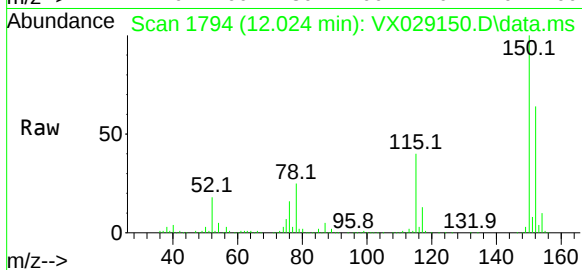
Tgt Ion:152 Resp: 252997

Ion Ratio Lower Upper

152 100

115 63.3 37.5 112.7

150 157.5 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 25.000 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029150.D

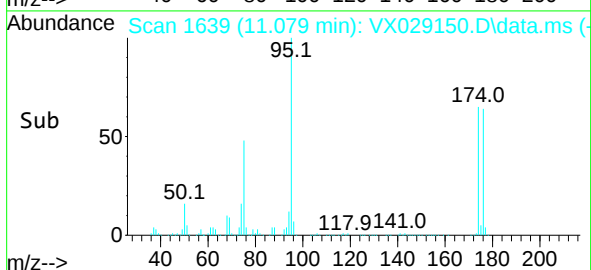
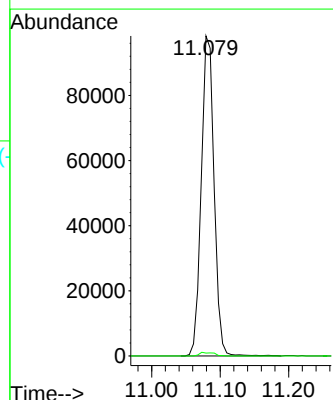
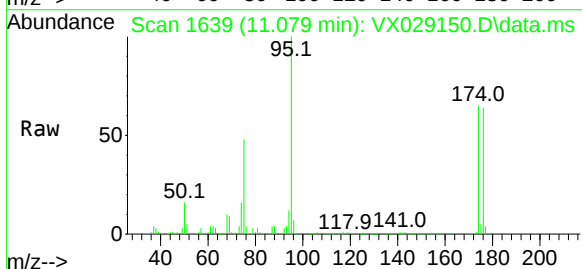
Acq: 02 Jun 2022 20:59

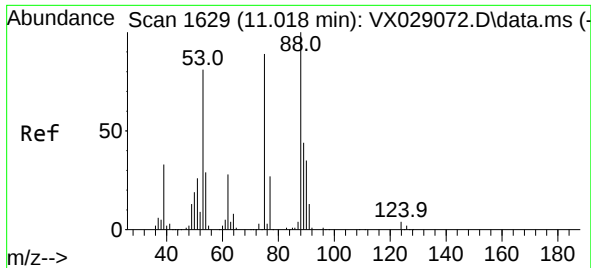
Tgt Ion: 75 Resp: 128217

Ion Ratio Lower Upper

75 100

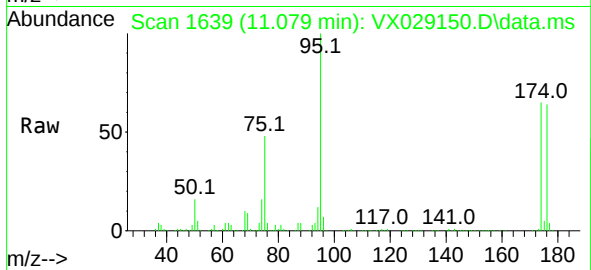
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.345 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029150.D
 Acq: 02 Jun 2022 20:59

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 128217
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

