

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029641.D
 Acq On : 21 Jun 2022 05:22
 Operator : JC/MD
 Sample : N3354-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-49

Quant Time: Jun 21 08:47:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

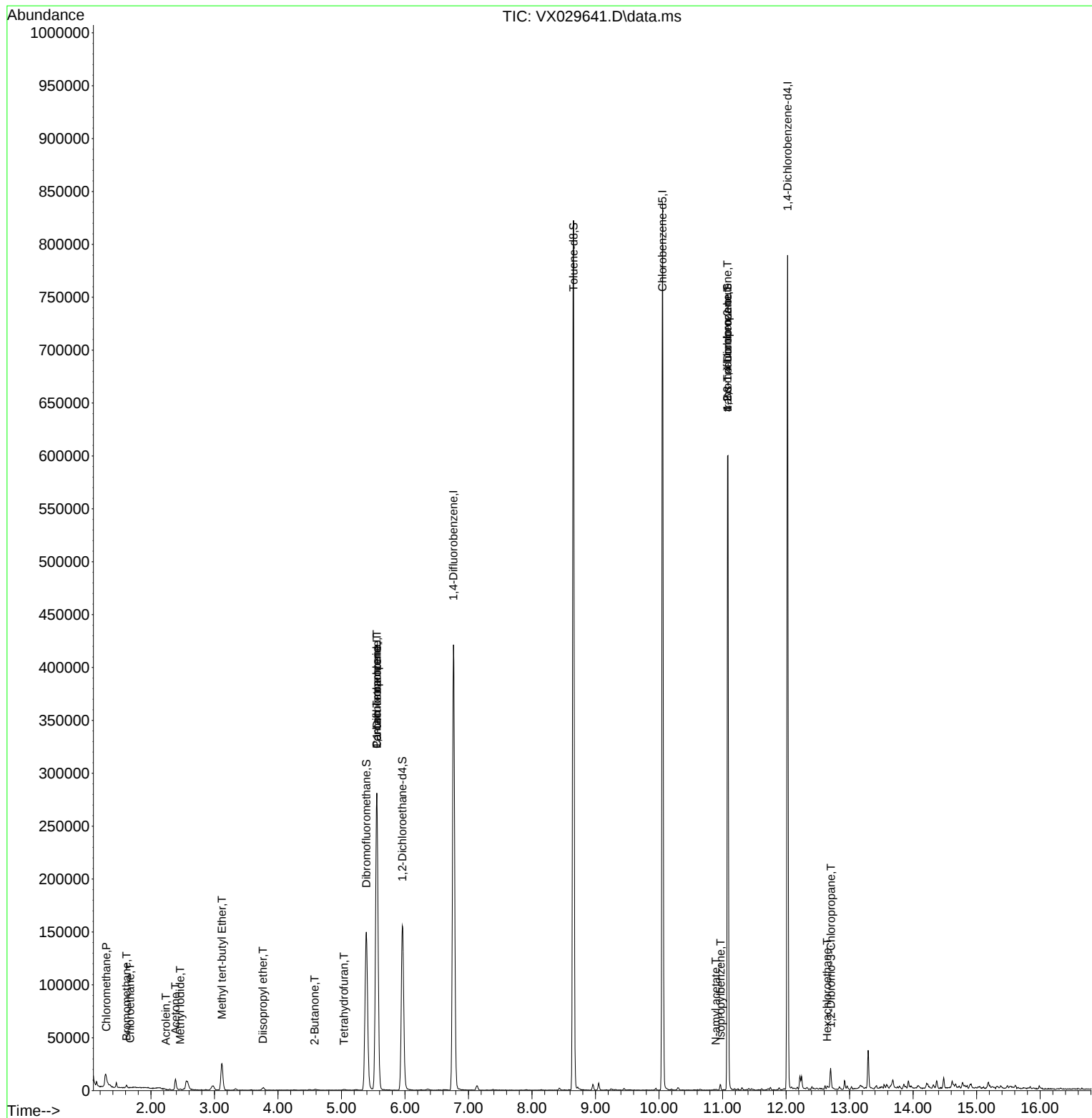
Internal Standards						
1) Pentafluorobenzene	5.556	168	268055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151676	42.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.500%
35) Dibromofluoromethane	5.391	113	132854	44.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.900%
50) Toluene-d8	8.653	98	507140	46.967	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.940%
62) 4-Bromofluorobenzene	11.079	95	176792	43.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1497	0.428	ug/l #	74
5) Bromomethane	1.618	94	648	0.394	ug/l #	75
6) Chloroethane	1.672	64	706	1.565	ug/l #	66
10) Methyl Iodide	2.459	142	983	3.306	ug/l #	90
11) Tert butyl alcohol	2.983	59	6758	Below Cal	#	94
13) Acrolein	2.233	56	51	0.261	ug/l #	1
16) Acetone	2.386	43	11203	7.921	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	29424	3.121	ug/l	99
22) Diisopropyl ether	3.764	45	2474	0.285	ug/l #	77
25) 2-Butanone	4.574	43	546	0.244	ug/l	91
29) Tetrahydrofuran	5.038	42	641	0.430	ug/l #	73
36) 1,1-Dichloropropene	5.556	75	20098	5.024	ug/l #	50
38) Carbon Tetrachloride	5.556	117	27298	6.939	ug/l #	16
44) Trichloroethene	7.141	130	2021	Below Cal		85
73) Isopropylbenzene	10.970	105	2898	0.236	ug/l	97
74) N-amyl acetate	10.896	43	921	0.216	ug/l #	37
76) 1,2,3-Trichloropropane	11.079	75	84338	23.642	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	84338	78.650	ug/l #	15
90) Hexachloroethane	12.646	117	1213	0.810	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	12.707	75	184	0.209	ug/l #	5

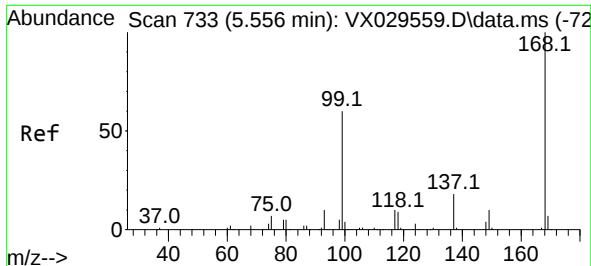
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 20 01:31:01 2022
Response via : Initial Calibration

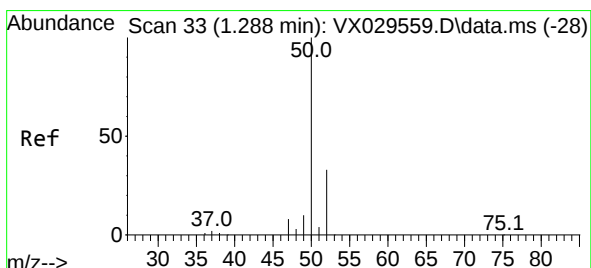
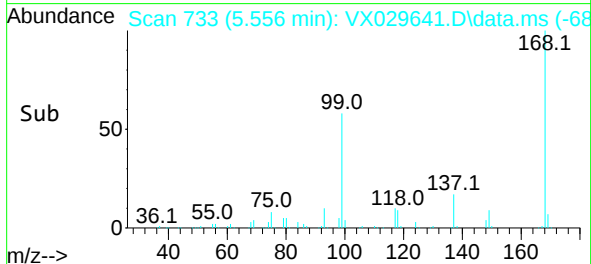
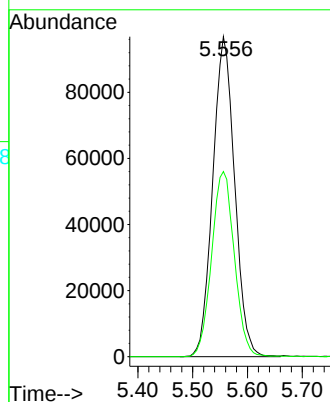
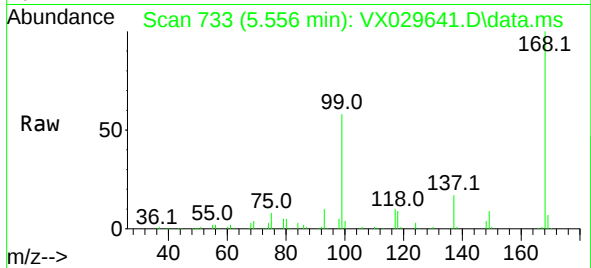




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

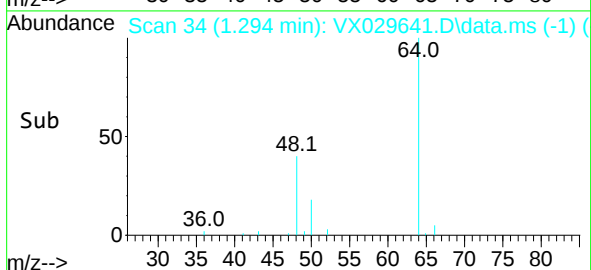
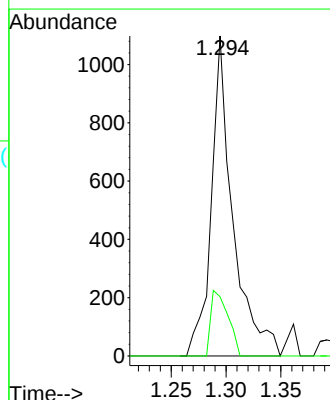
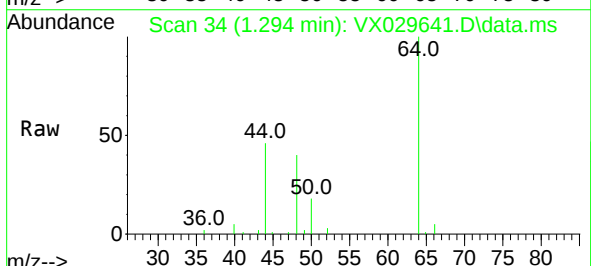
Instrument :
MSVOA_X
ClientSampleId :
MW-49

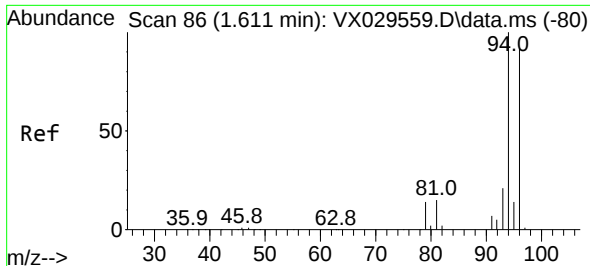
Tgt Ion:168 Resp: 268055
Ion Ratio Lower Upper
168 100
99 57.8 41.7 62.5



#3
Chloromethane
Concen: 0.428 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 50 Resp: 1497
Ion Ratio Lower Upper
50 100
52 18.5 26.4 39.6#

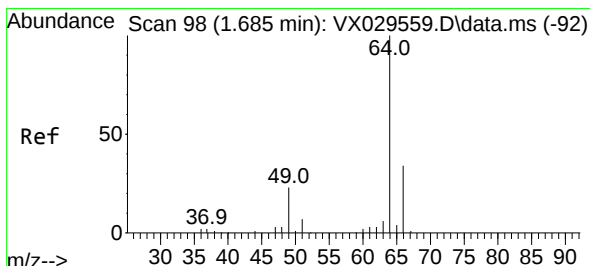
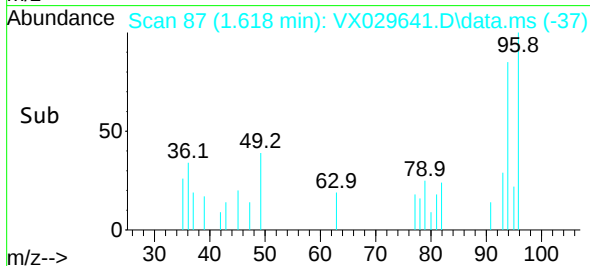
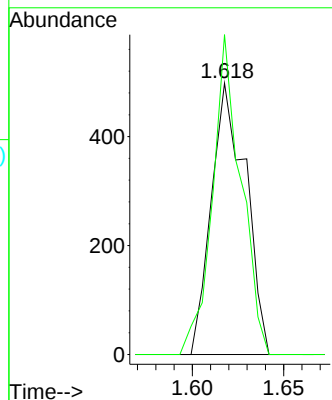
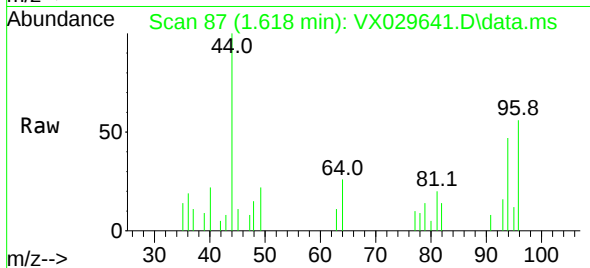




#5
Bromomethane
Concen: 0.394 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

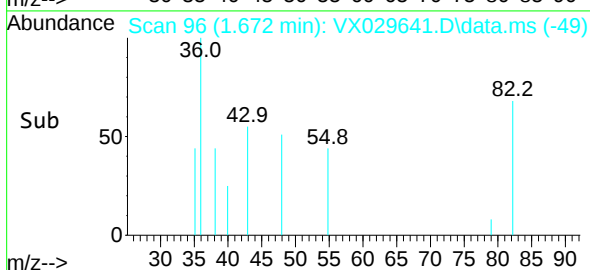
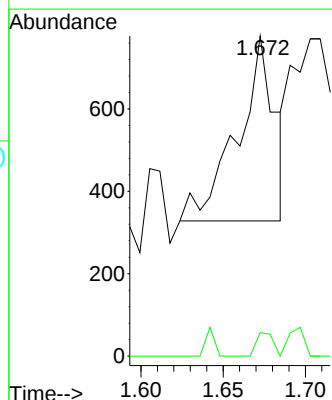
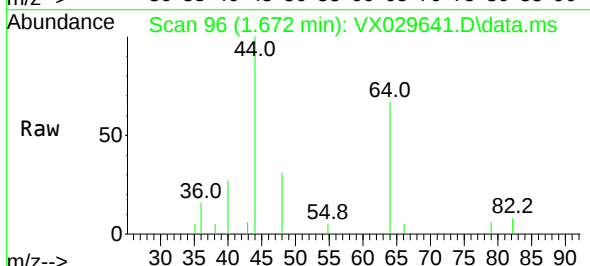
Instrument :
MSVOA_X
ClientSampleId :
MW-49

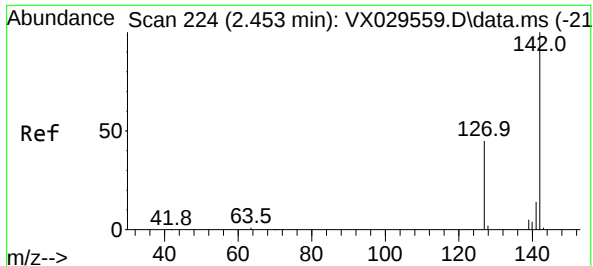
Tgt Ion: 94 Resp: 648
Ion Ratio Lower Upper
94 100
96 117.9 75.3 112.9#



#6
Chloroethane
Concen: 1.565 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 12.7 25.3 37.9#

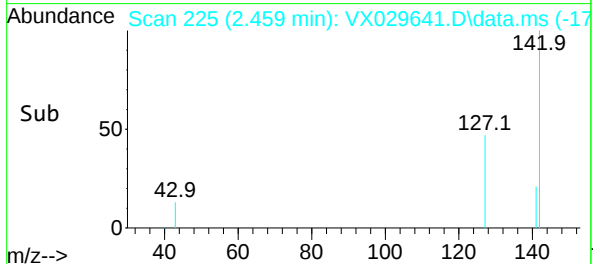
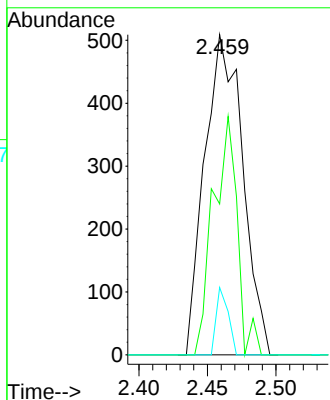
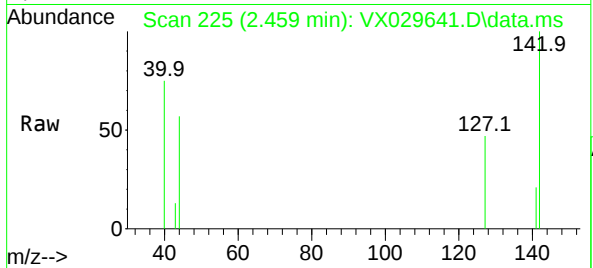




#10
Methyl Iodide
Concen: 3.306 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

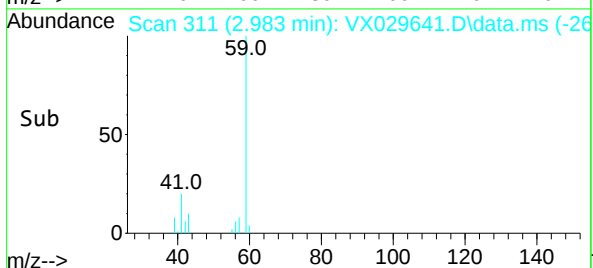
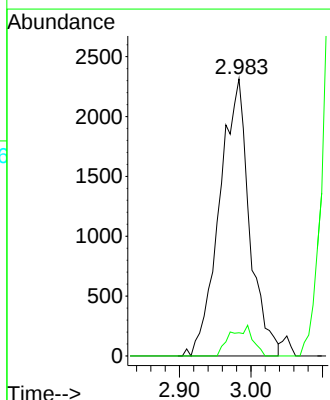
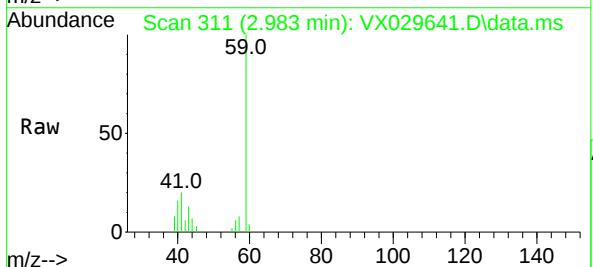
Instrument :
MSVOA_X
ClientSampleId :
MW-49

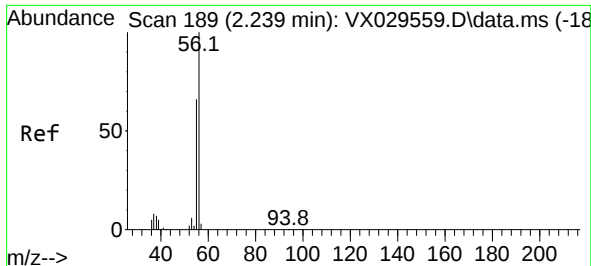
Tgt Ion:142 Resp: 983
Ion Ratio Lower Upper
142 100
127 46.8 33.9 50.9
141 6.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 59 Resp: 6758
Ion Ratio Lower Upper
59 100
57 8.2 8.3 12.5#





#13

Acrolein

Concen: 0.261 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

Instrument :

MSVOA_X

ClientSampleId :

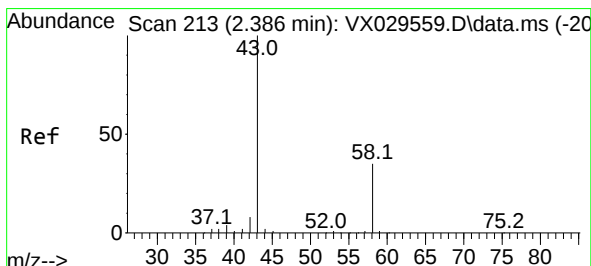
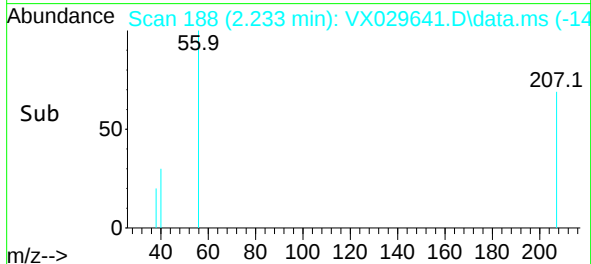
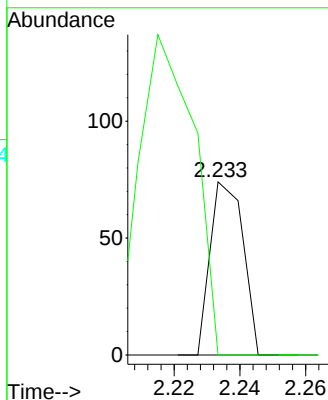
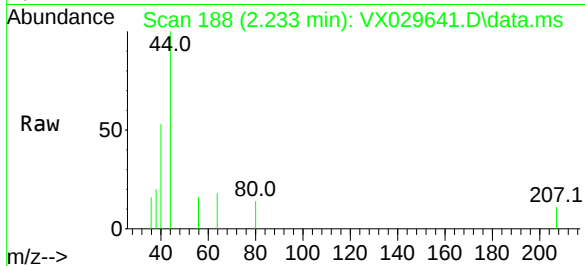
MW-49

Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

56 100

55 307.8 55.0 82.6#



#16

Acetone

Concen: 7.921 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029641.D

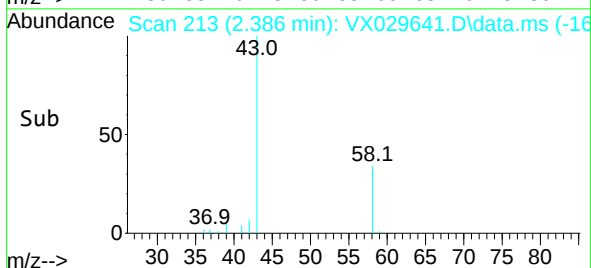
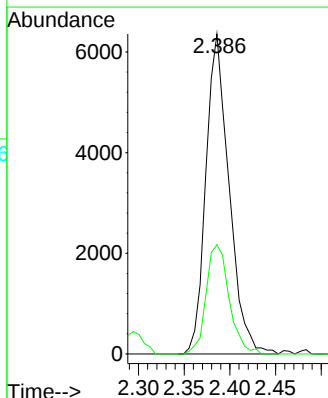
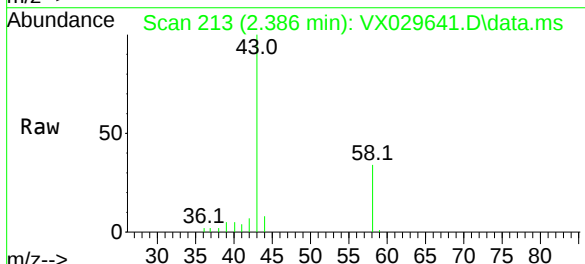
Acq: 21 Jun 2022 05:22

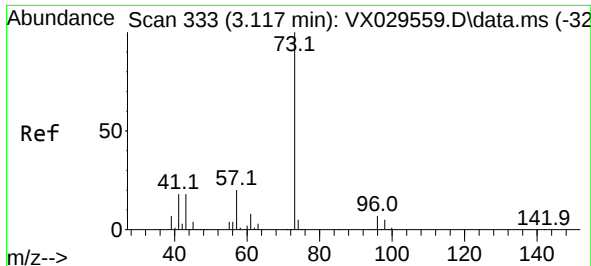
Tgt Ion: 43 Resp: 11203

Ion Ratio Lower Upper

43 100

58 34.1 28.8 43.2

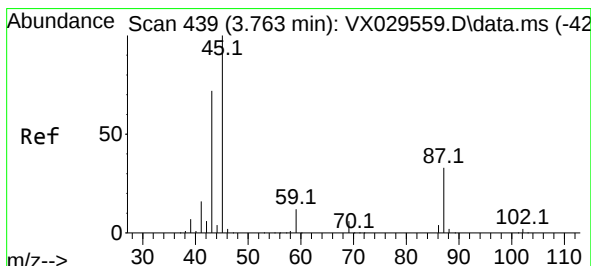
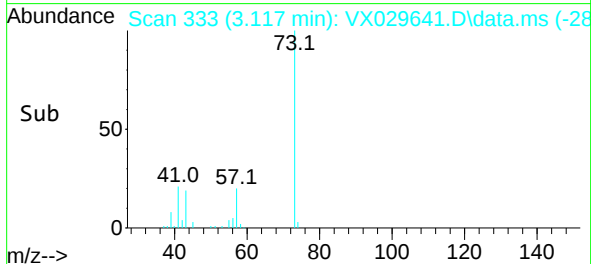
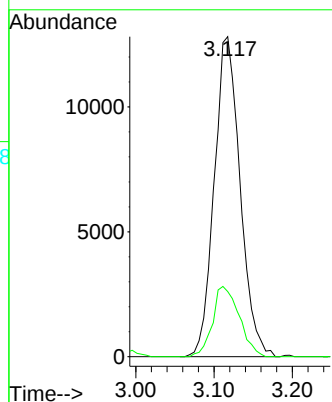
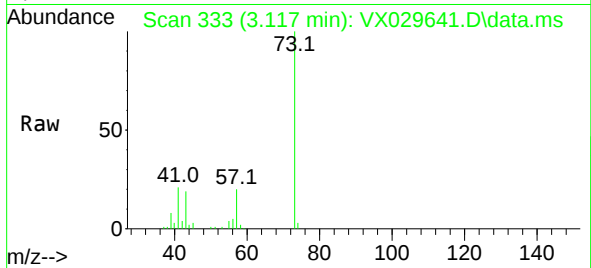




#19
Methyl tert-butyl Ether
Concen: 3.121 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

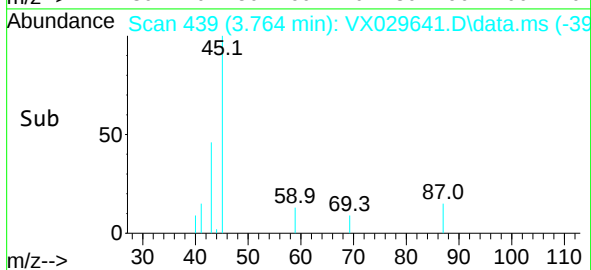
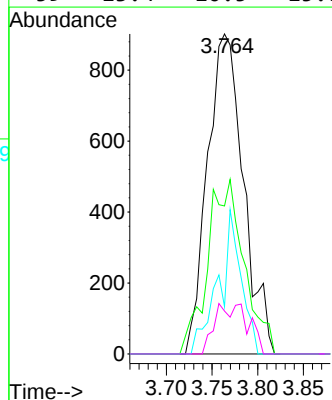
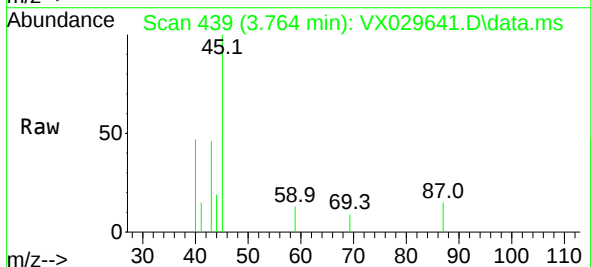
Instrument :
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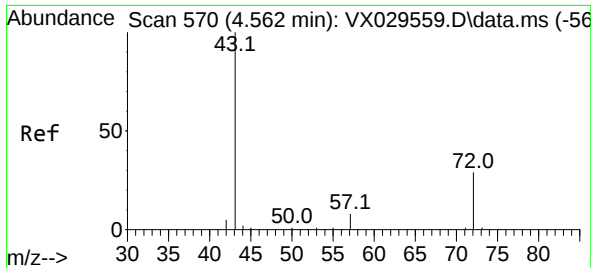
Tgt Ion: 73 Resp: 29424
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2



#22
Diisopropyl ether
Concen: 0.285 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 45 Resp: 2474
Ion Ratio Lower Upper
45 100
43 46.2 50.8 76.2#
87 14.7 26.6 39.8#
59 13.4 10.5 15.7

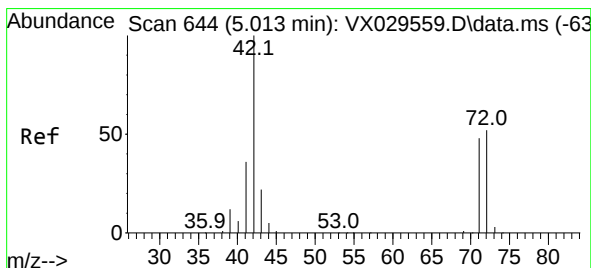
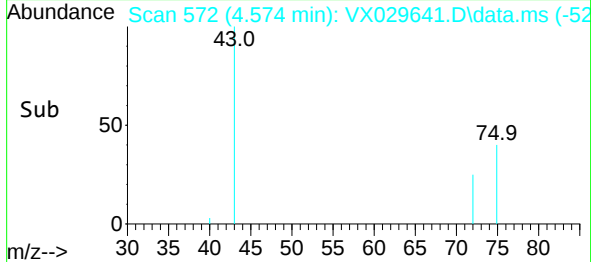
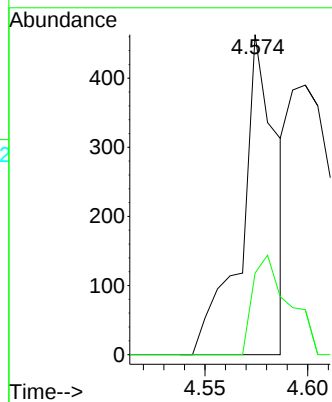
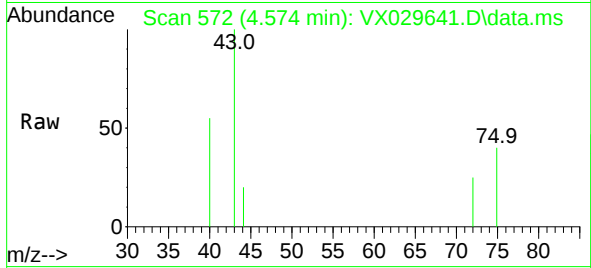




#25
2-Butanone
Concen: 0.244 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

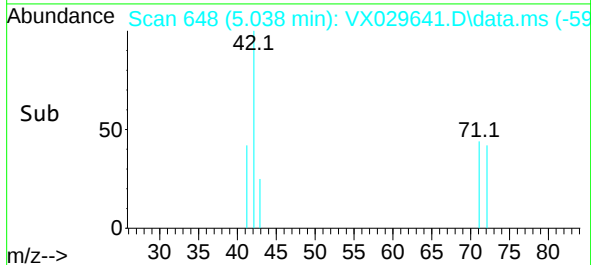
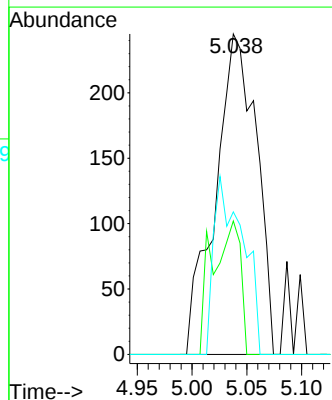
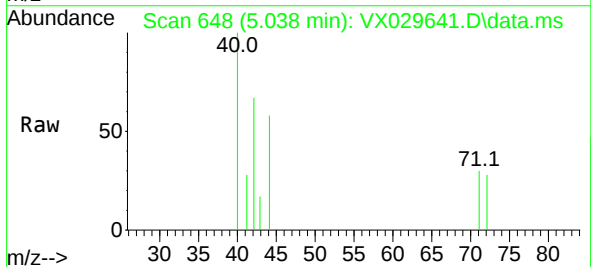
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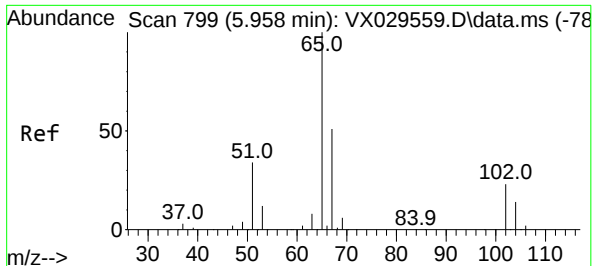
Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
72 25.5 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 42 Resp: 641
Ion Ratio Lower Upper
42 100
72 28.4 44.1 66.1#
71 39.2 40.5 60.7#





#33

1,2-Dichloroethane-d4

Concen: 42.746 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

Instrument :

MSVOA_X

ClientSampleId :

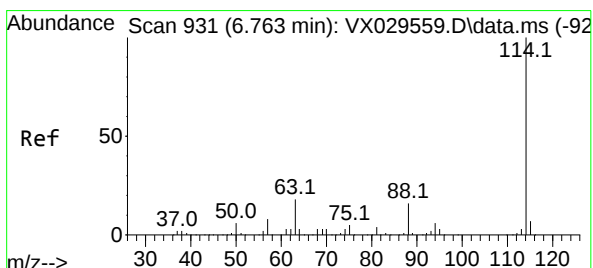
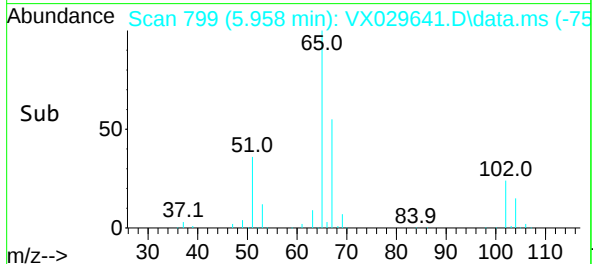
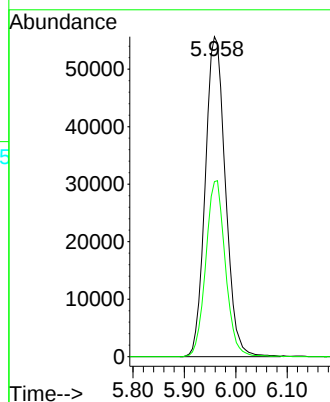
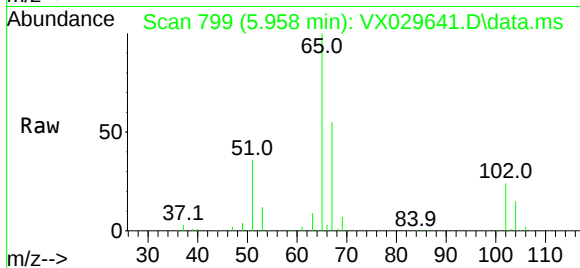
MW-49

Tgt Ion: 65 Resp: 151676

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: VX029641.D

Acq: 21 Jun 2022 05:22

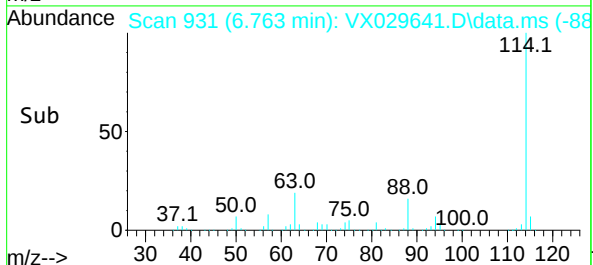
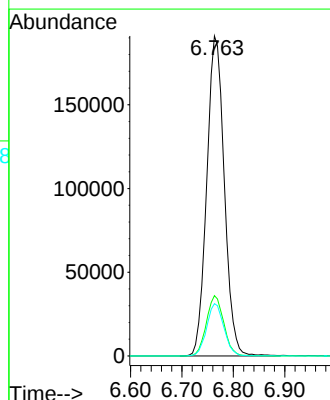
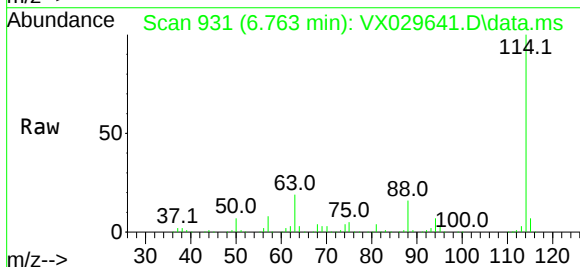
Tgt Ion: 114 Resp: 453548

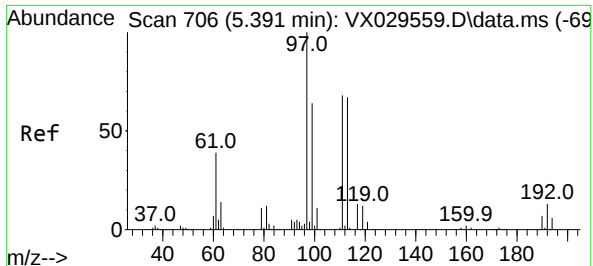
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 16.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 44.948 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

Instrument :

MSVOA_X

ClientSampleId :

MW-49

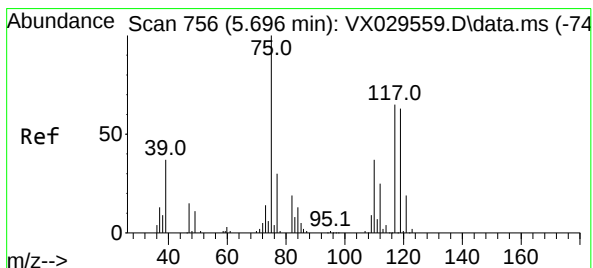
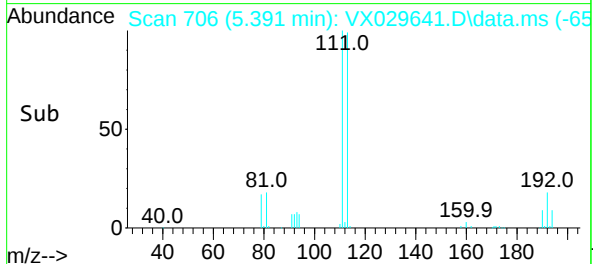
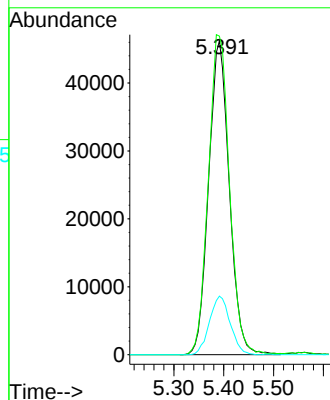
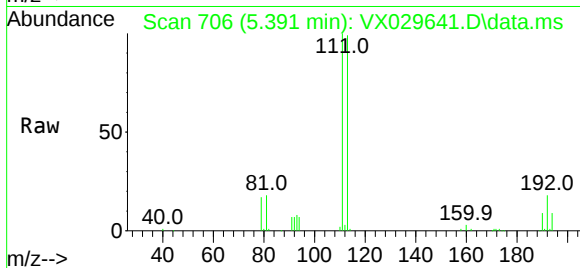
Tgt Ion:113 Resp: 132854

Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

192 18.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

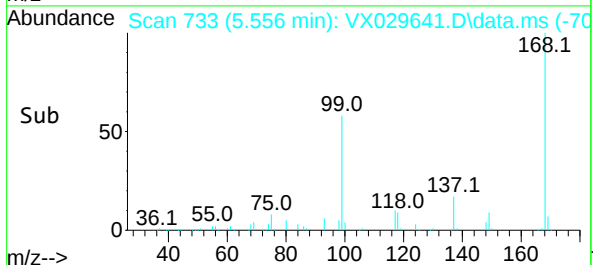
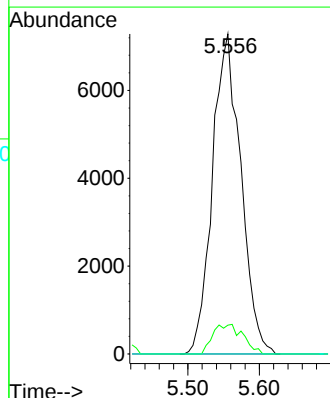
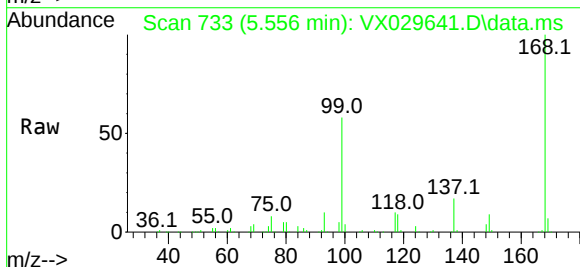
Tgt Ion: 75 Resp: 20098

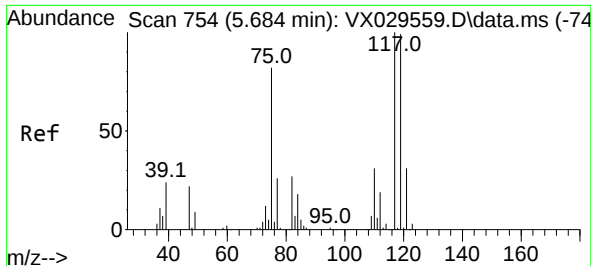
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

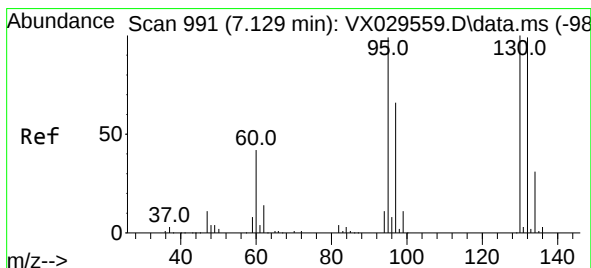
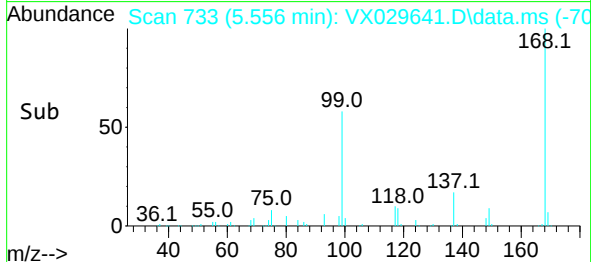
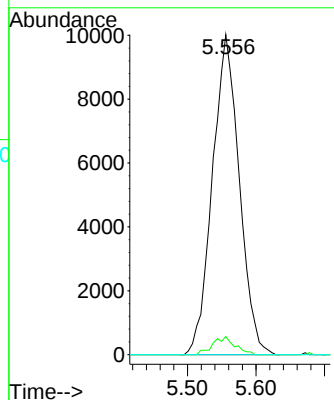
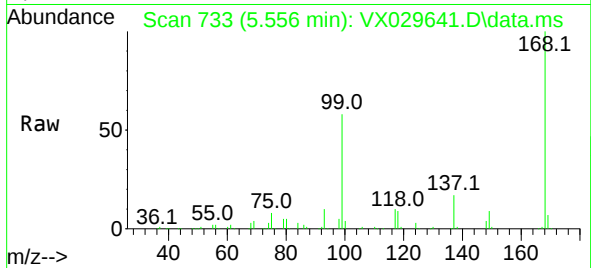




#38
Carbon Tetrachloride
Concen: 6.939 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

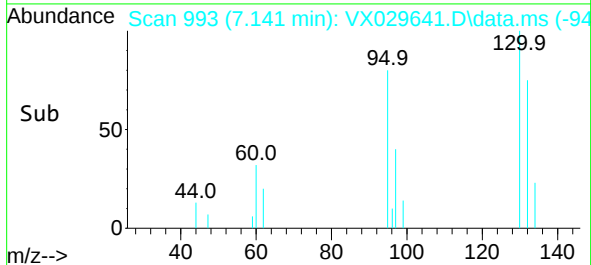
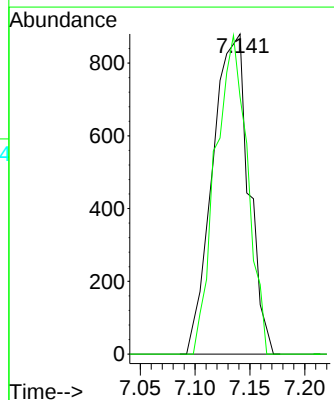
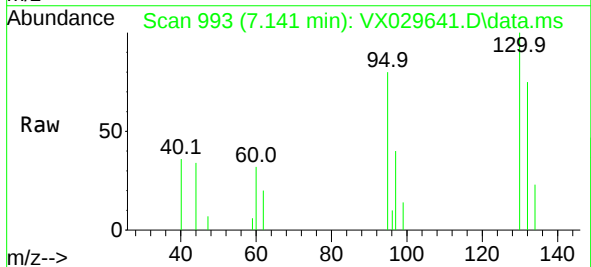
Instrument :
MSVOA_X
ClientSampleId :
MW-49

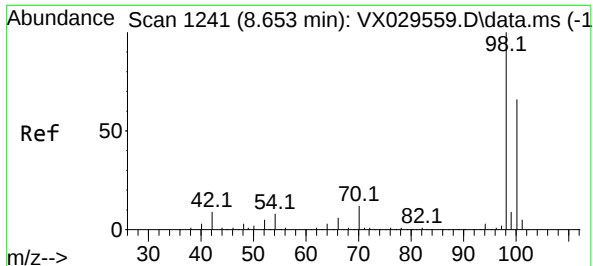
Tgt Ion:117 Resp: 27298
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion:130 Resp: 2021
Ion Ratio Lower Upper
130 100
95 80.3 0.0 188.8





#50

Toluene-d8

Concen: 46.967 ug/l

RT: 8.653 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

Instrument :

MSVOA_X

ClientSampleId :

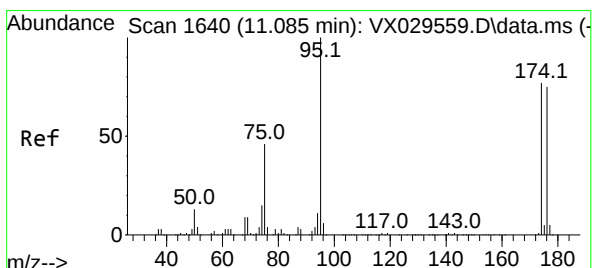
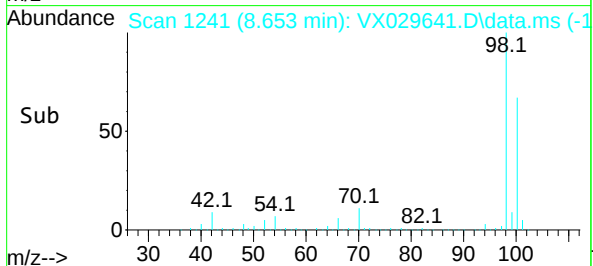
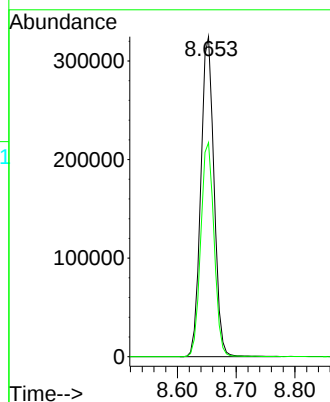
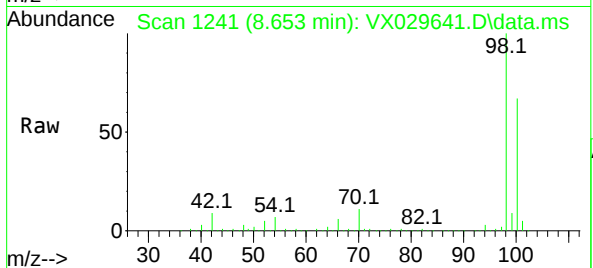
MW-49

Tgt Ion: 98 Resp: 507140

Ion Ratio Lower Upper

98 100

100 67.6 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 43.417 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029641.D

Acq: 21 Jun 2022 05:22

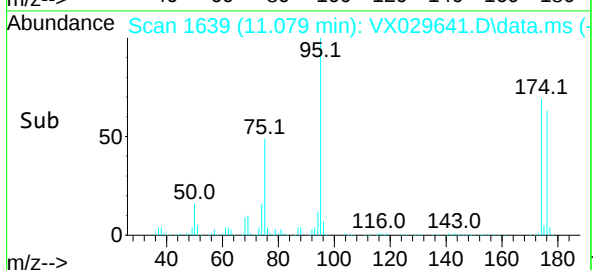
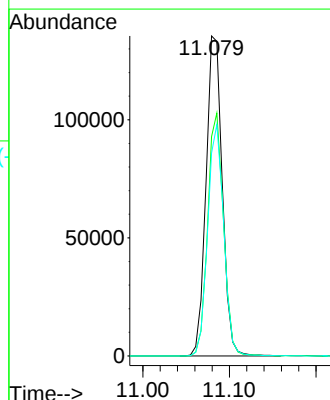
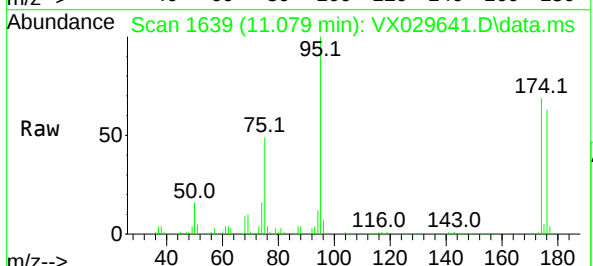
Tgt Ion: 95 Resp: 176792

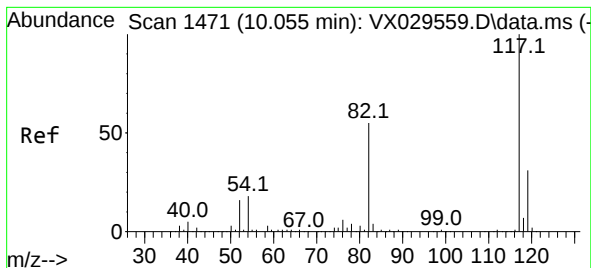
Ion Ratio Lower Upper

95 100

174 73.8 0.0 163.0

176 71.2 0.0 155.0

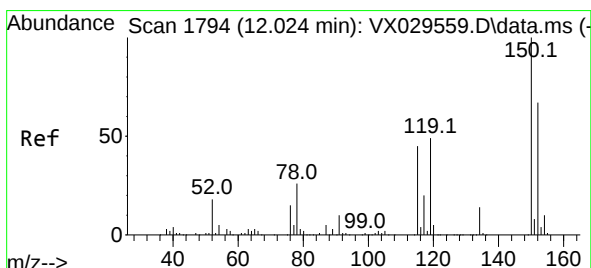
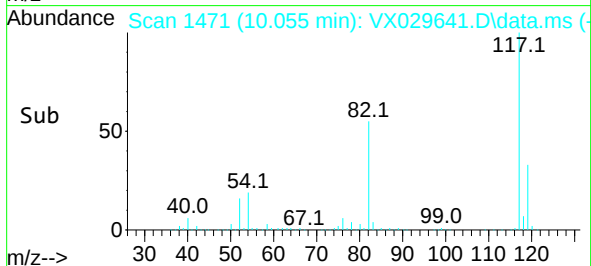
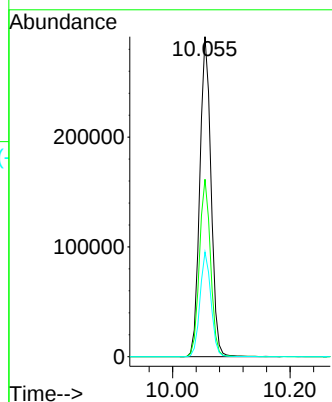
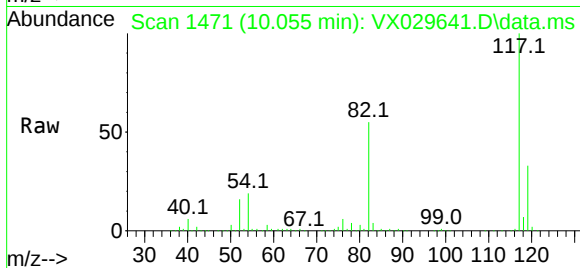




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

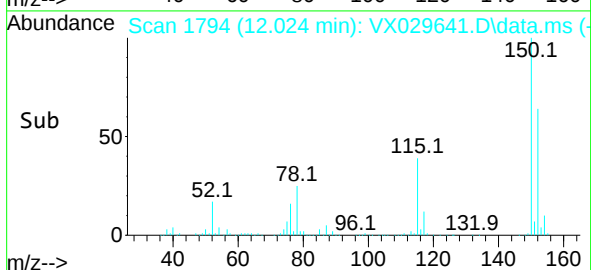
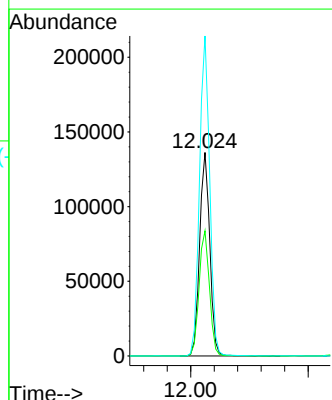
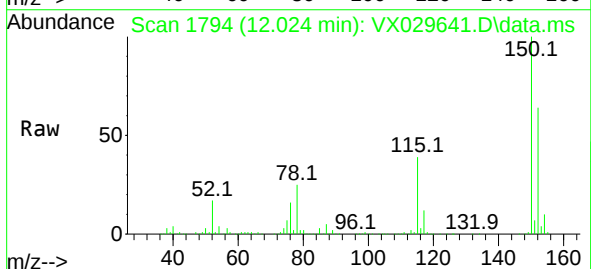
Instrument :
MSVOA_X
ClientSampleId :
MW-49

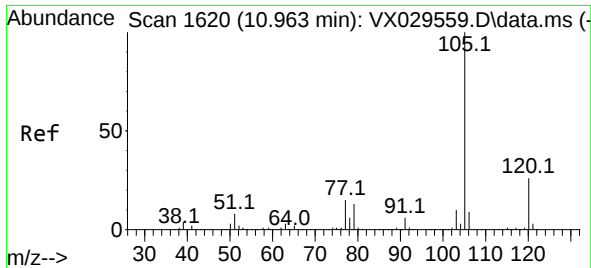
Tgt Ion:117 Resp: 387523
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion:152 Resp: 163752
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 158.2 0.0 338.2

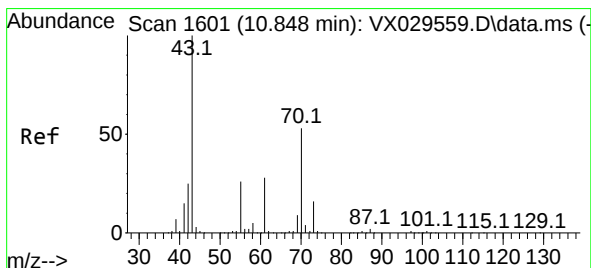
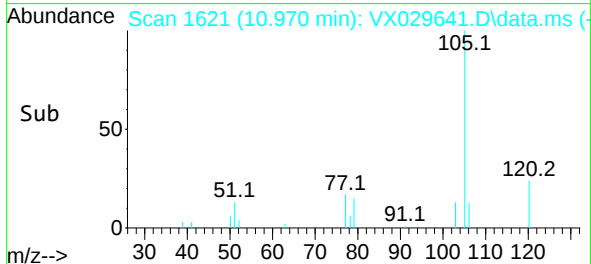
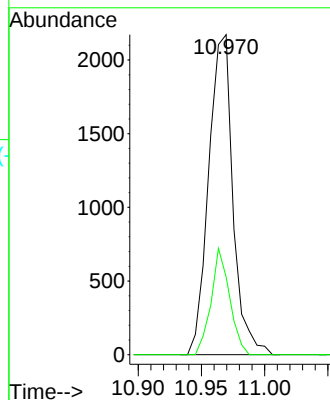
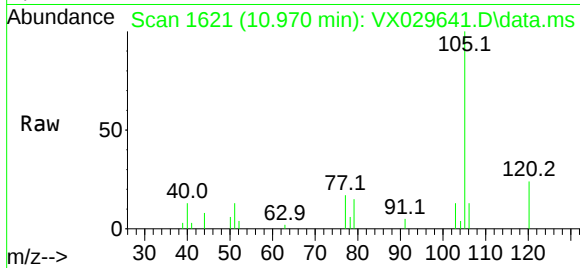




#73
Isopropylbenzene
Concen: 0.236 ug/l
RT: 10.970 min Scan# 1609
Delta R.T. 0.007 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

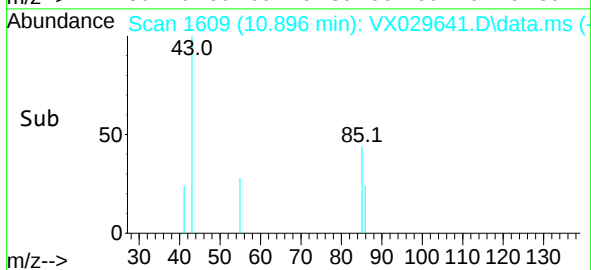
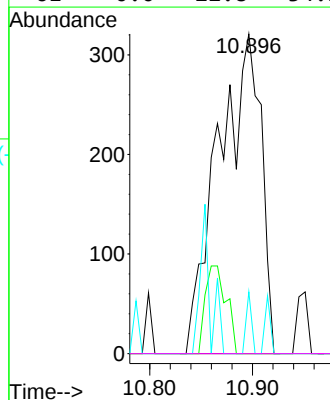
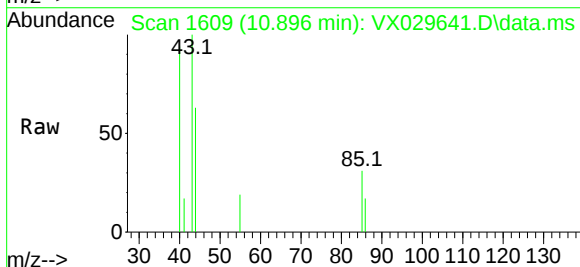
Instrument :
MSVOA_X
ClientSampleId :
MW-49

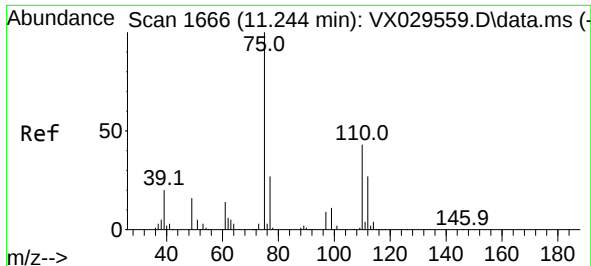
Tgt Ion:105 Resp: 2898
Ion Ratio Lower Upper
105 100
120 25.3 13.5 40.5



#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.048 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 2.5 23.1 34.7#
61 0.0 22.8 34.2#

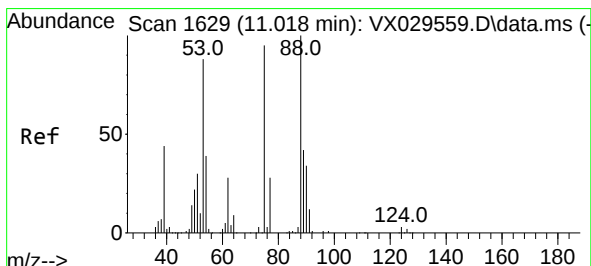
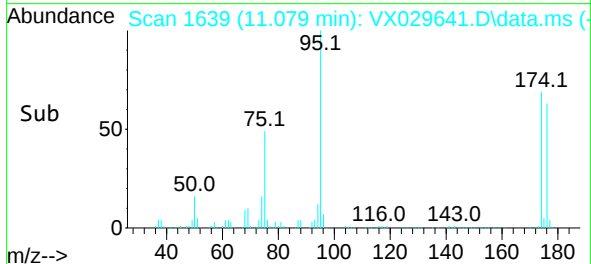
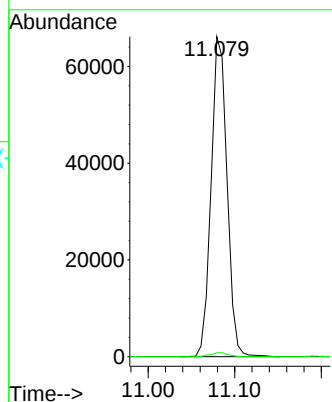
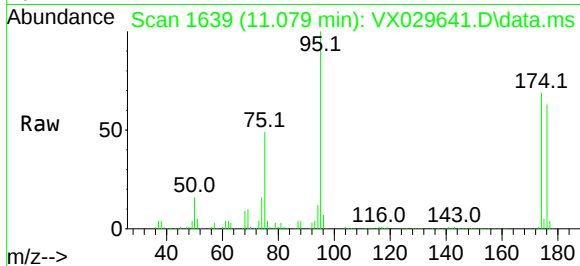




#76
1,2,3-Trichloropropane
Concen: 23.642 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

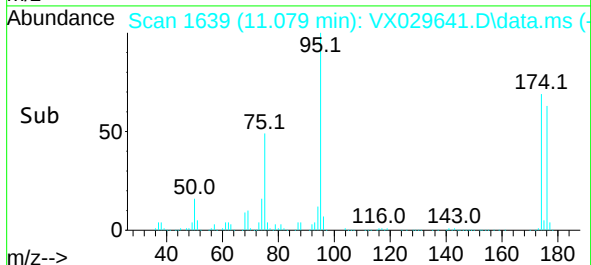
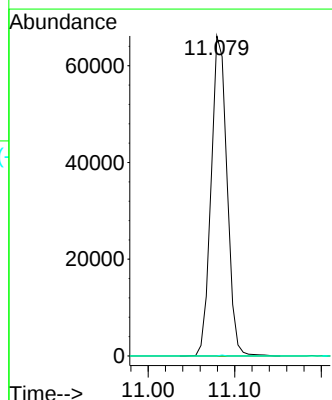
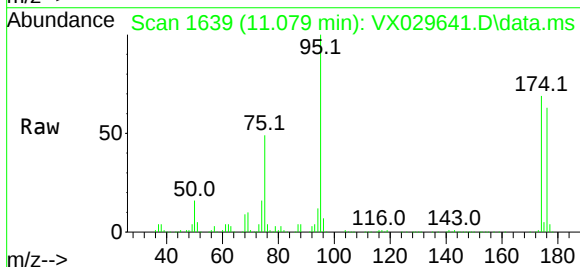
Instrument :
MSVOA_X
ClientSampleId :
MW-49

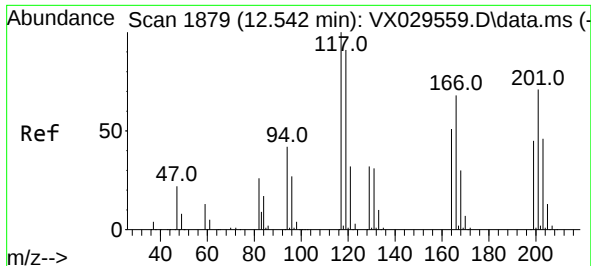
Tgt Ion: 75 Resp: 84338
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.650 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 75 Resp: 84338
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

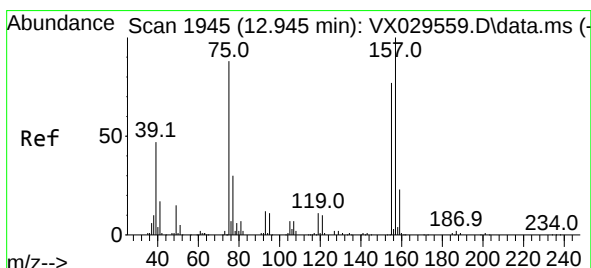
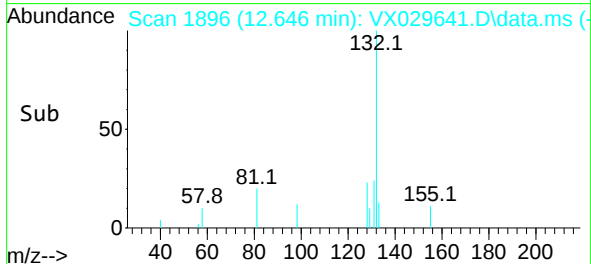
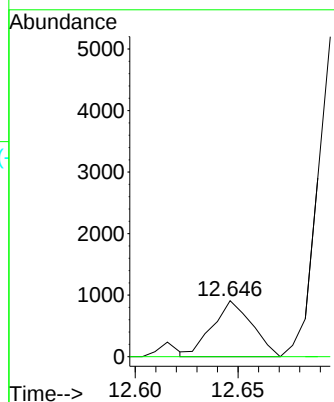
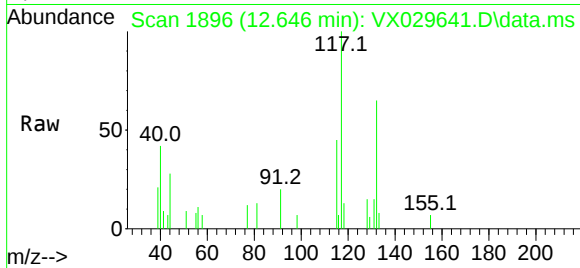




#90
Hexachloroethane
Concen: 0.810 ug/l
RT: 12.646 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Instrument :
MSVOA_X
ClientSampleId :
MW-49

Tgt Ion:117 Resp: 1213
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.209 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. -0.238 min
Lab File: VX029641.D
Acq: 21 Jun 2022 05:22

Tgt Ion: 75 Resp: 184
Ion Ratio Lower Upper
75 100
155 15.2 47.0 141.2#
157 0.0 57.9 173.6#

