

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029139.D
 Acq On : 02 Jun 2022 16:42
 Operator : JC/MD
 Sample : N3022-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 03 04:32:44 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

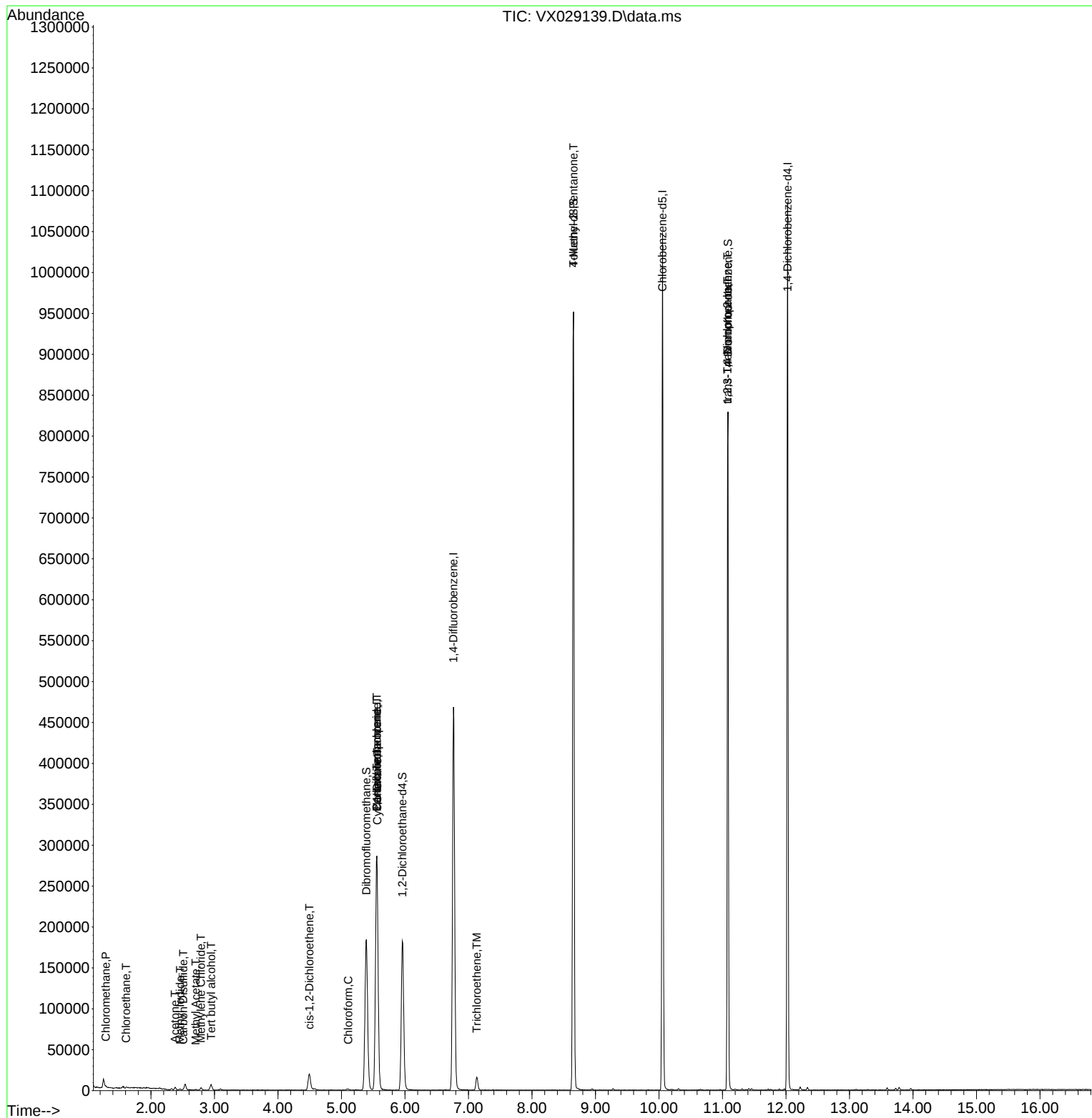
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	271781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	498596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177024	57.762	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.520%
35) Dibromofluoromethane	5.391	113	163617	49.404	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.800%
50) Toluene-d8	8.653	98	590777	48.774	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.540%
62) 4-Bromofluorobenzene	11.085	95	233629	49.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.800%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	724	0.293	ug/l #	82
5) Bromomethane	1.612	94	710	Below Cal	#	66
6) Chloroethane	1.605	64	314	1.533	ug/l #	43
10) Methyl Iodide	2.459	142	1128	4.563	ug/l	90
11) Tert butyl alcohol	2.947	59	4208	5.927	ug/l #	72
16) Acetone	2.380	43	3158	2.617	ug/l #	85
17) Carbon Disulfide	2.508	76	1380	0.205	ug/l	98
18) Methyl Acetate	2.703	43	822	0.263	ug/l #	54
20) Methylene Chloride	2.788	84	1469	0.522	ug/l #	95
27) cis-1,2-Dichloroethene	4.495	96	13290	4.033	ug/l	89
30) Chloroform	5.105	83	1990	0.394	ug/l	86
31) Cyclohexane	5.562	56	5175	1.299	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	20701	4.858	ug/l #	45
38) Carbon Tetrachloride	5.556	117	27619	5.671	ug/l #	16
44) Trichloroethene	7.129	130	6701	1.104	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	2078	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	113867	25.407	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	113867	74.538	ug/l #	15
94) Hexachlorobutadiene	13.725	225	420	Below Cal		78

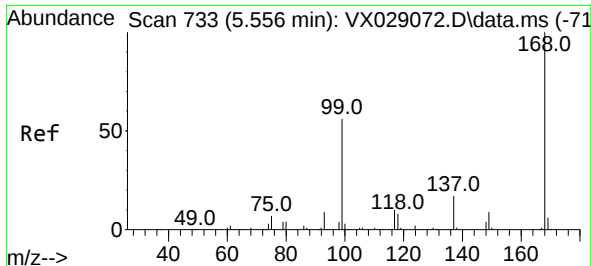
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

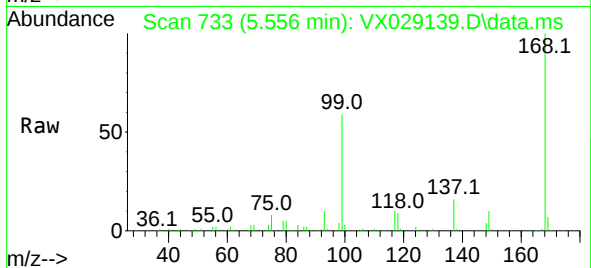
Quant Time: Jun 03 04:32:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
Response via : Initial Calibration



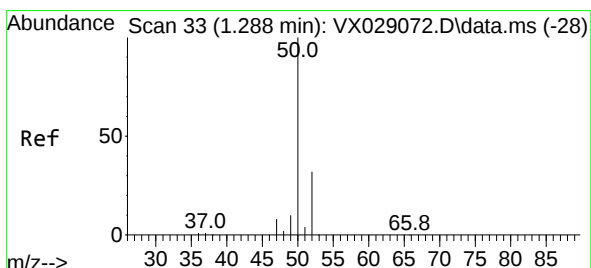
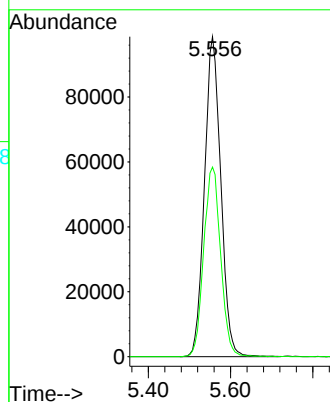
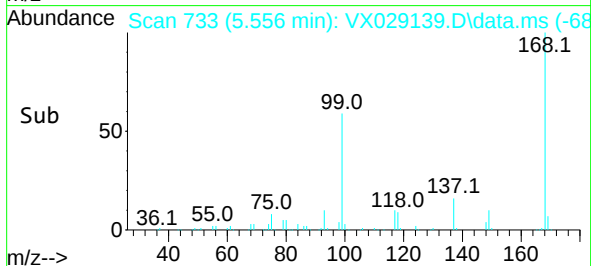


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :

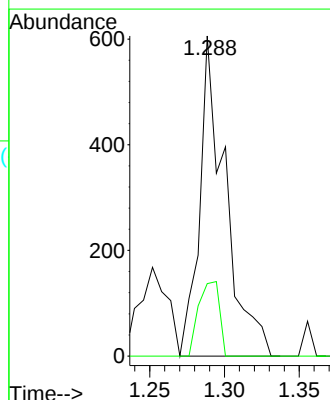
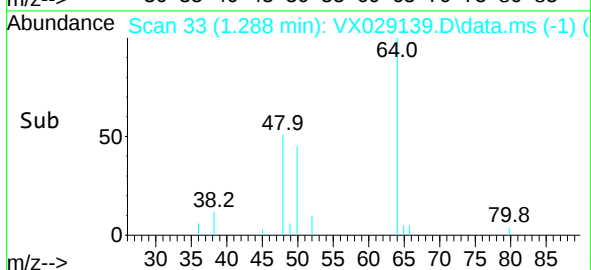
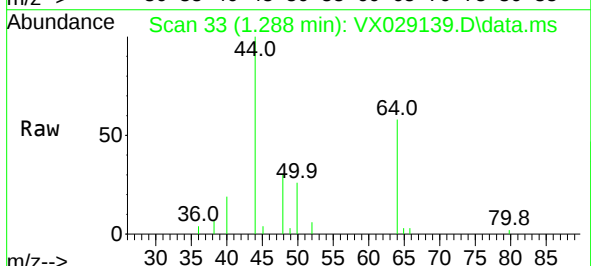


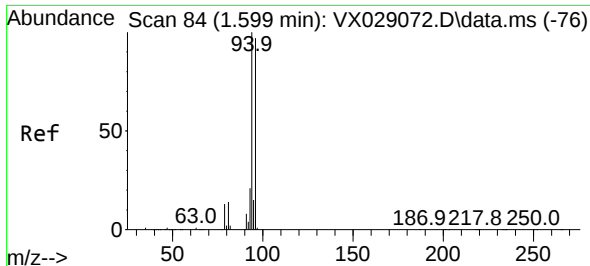
Tgt Ion:168 Resp: 271781
Ion Ratio Lower Upper
168 100
99 59.2 41.7 62.5



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 22.6 26.4 39.6#

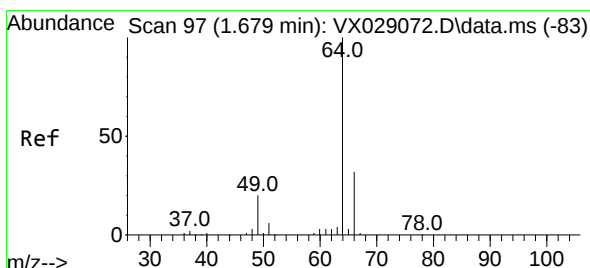
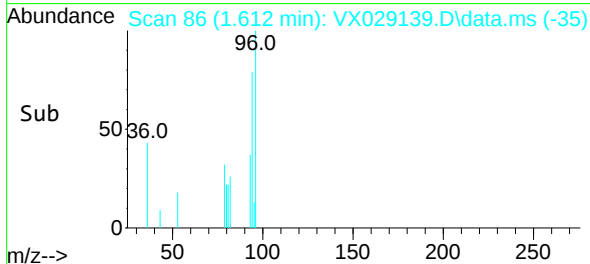
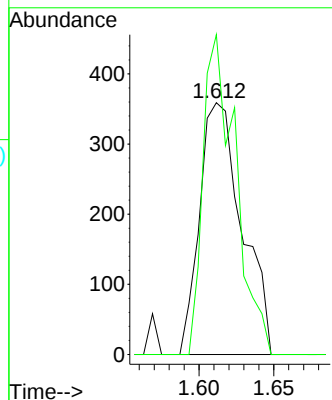
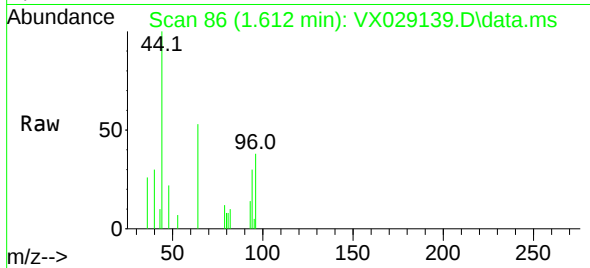




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

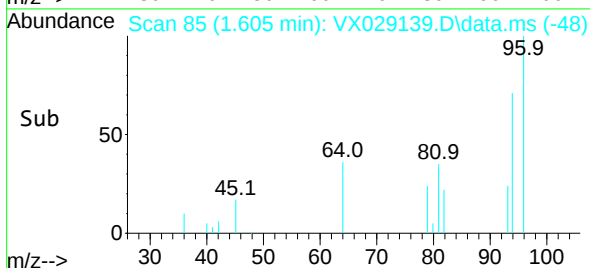
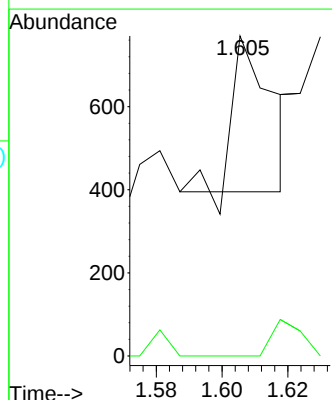
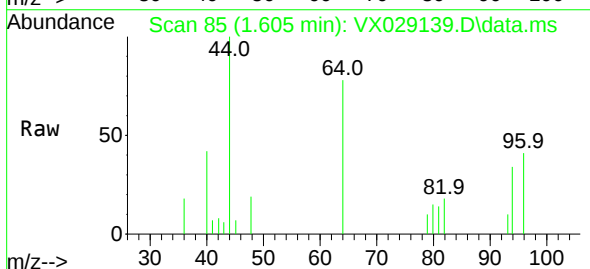
Instrument :
MSVOA_X
ClientSampleId :

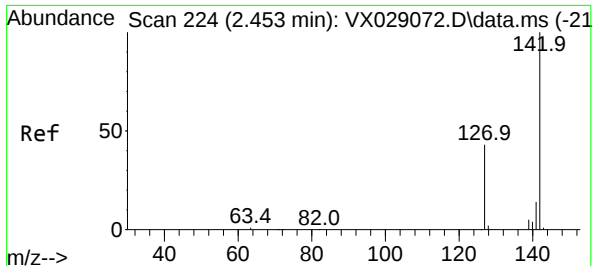
Tgt Ion: 94 Resp: 710
Ion Ratio Lower Upper
94 100
96 127.0 75.3 112.9#



#6
Chloroethane
Concen: 1.533 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.074 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

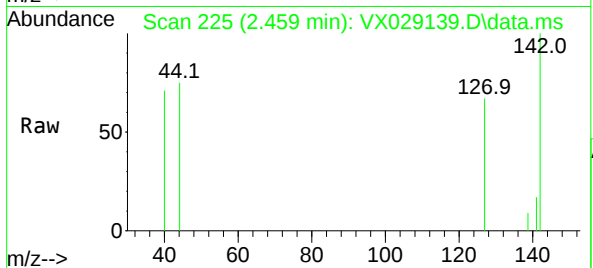
Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



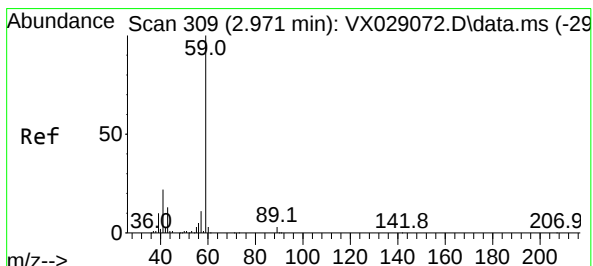
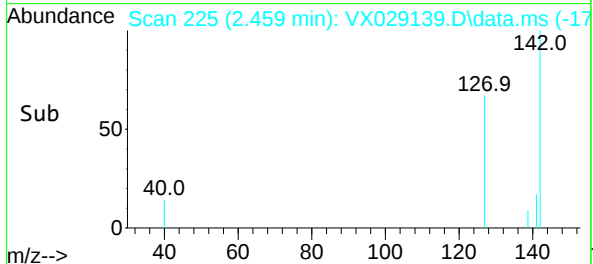
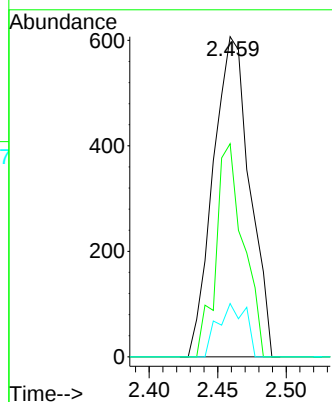


#10
Methyl Iodide
Concen: 4.563 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :

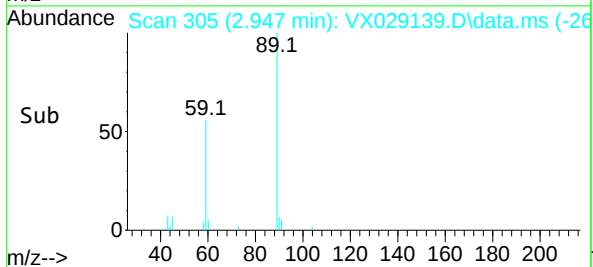
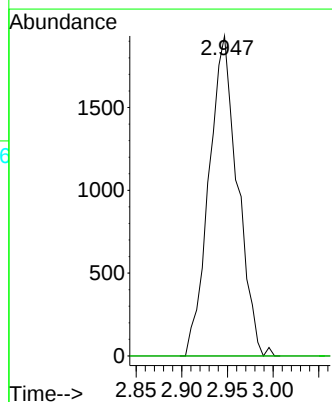
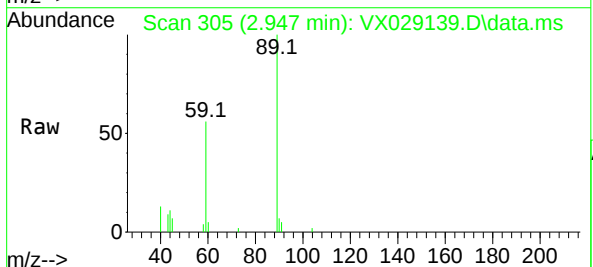


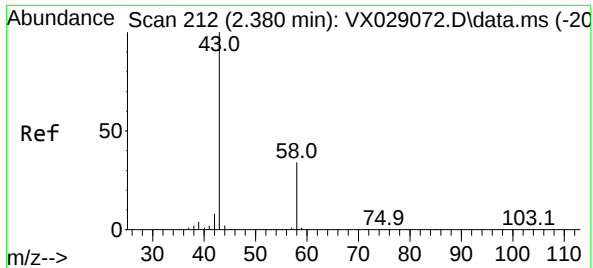
Tgt Ion:142 Resp: 1128
Ion Ratio Lower Upper
142 100
127 49.8 33.9 50.9
141 12.8 11.4 17.2



#11
Tert butyl alcohol
Concen: 5.927 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 59 Resp: 4208
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

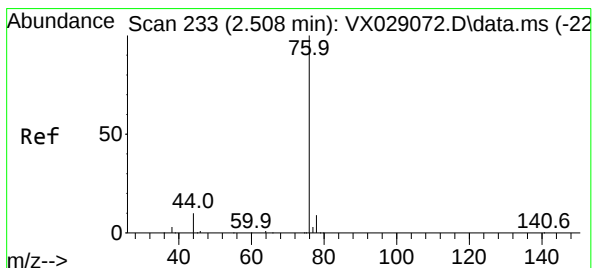
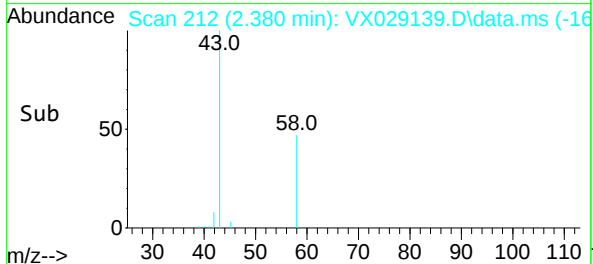
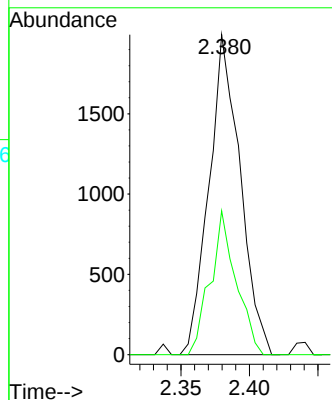
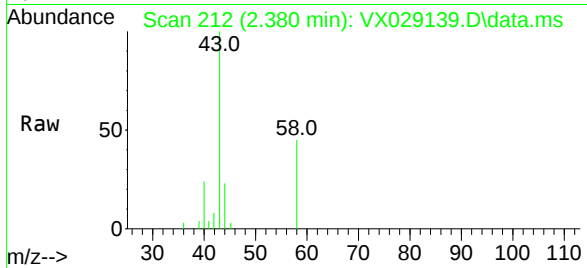




#16
Acetone
Concen: 2.617 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

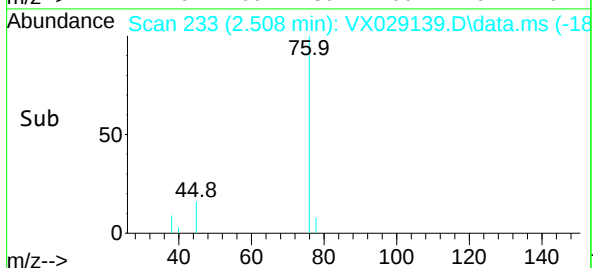
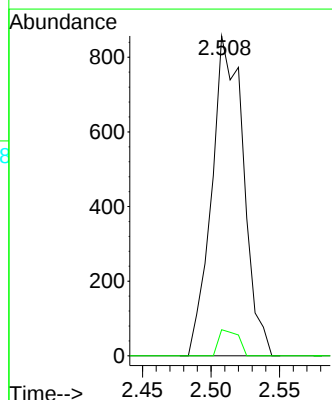
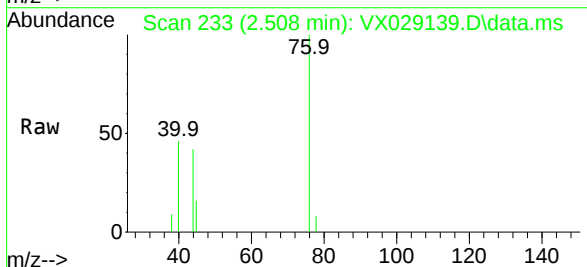
Instrument :
MSVOA_X
ClientSampleId :

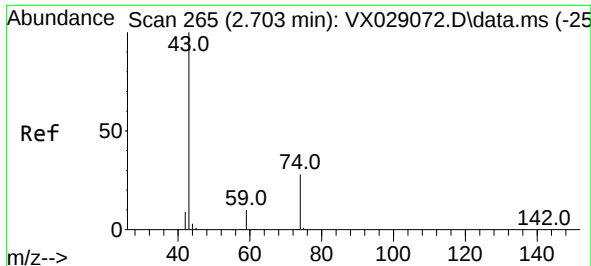
Tgt Ion: 43 Resp: 3158
Ion Ratio Lower Upper
43 100
58 45.0 28.8 43.2#



#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 76 Resp: 1380
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8





#18

Methyl Acetate

Concen: 0.263 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX029139.D

Acq: 02 Jun 2022 16:42

Instrument :

MSVOA_X

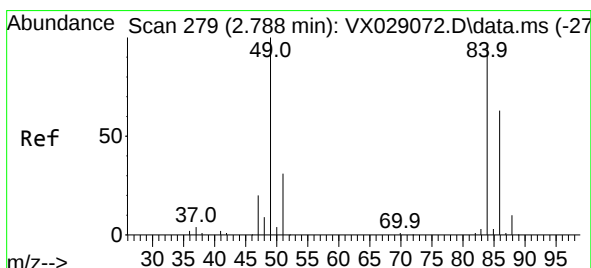
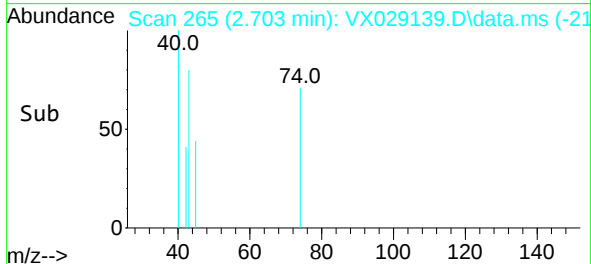
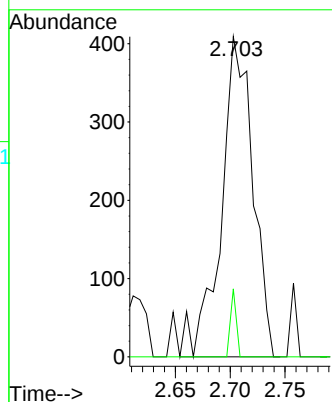
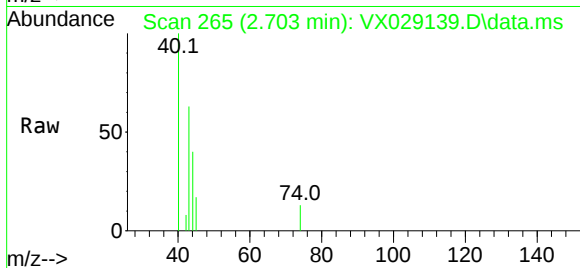
ClientSampleId :

Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

74 3.9 22.8 34.2#



#20

Methylene Chloride

Concen: 0.522 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX029139.D

Acq: 02 Jun 2022 16:42

Tgt Ion: 84 Resp: 1469

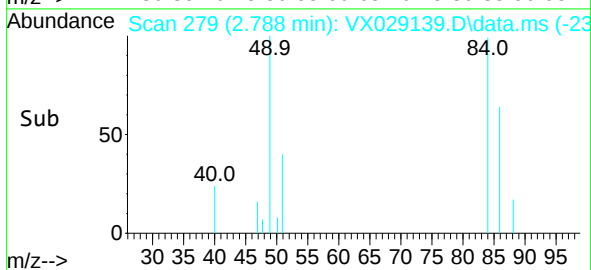
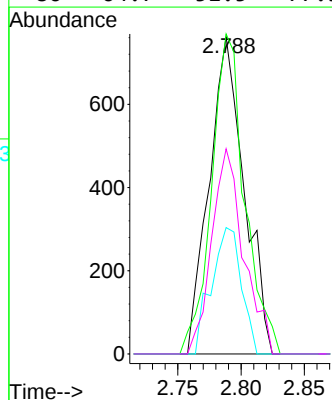
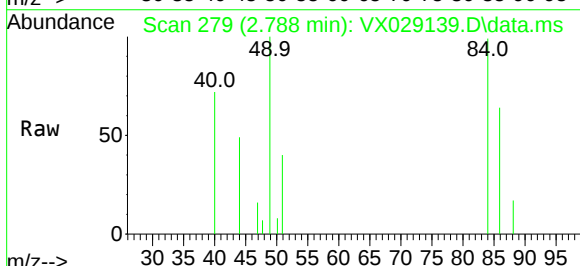
Ion Ratio Lower Upper

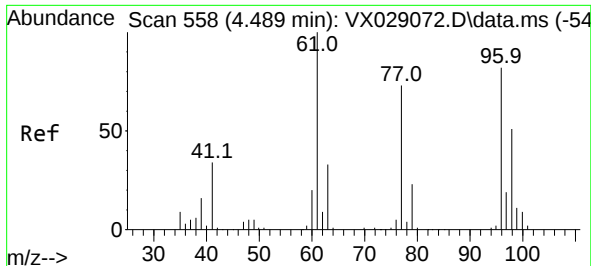
84 100

49 100.9 85.5 128.3

51 39.9 26.6 39.8#

86 64.7 51.5 77.3





#27

cis-1,2-Dichloroethene

Concen: 4.033 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

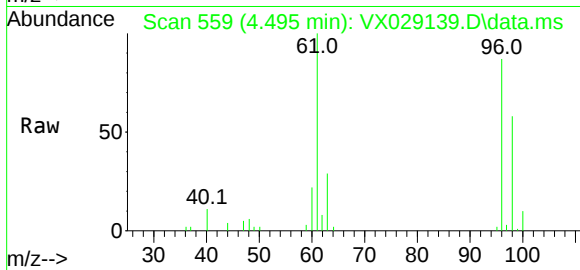
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Acq: 02 Jun 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :



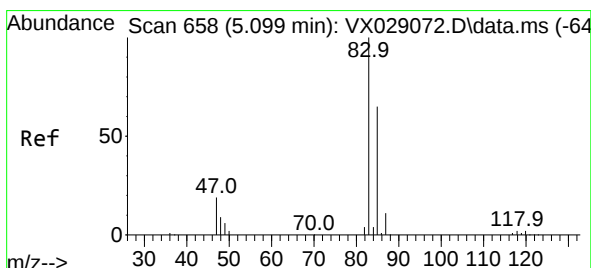
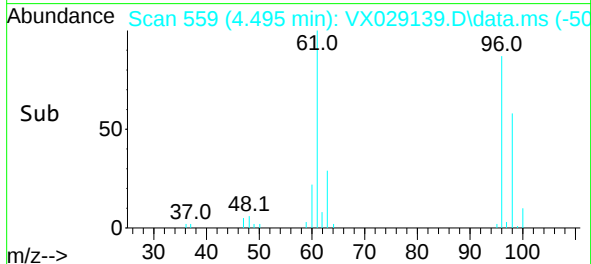
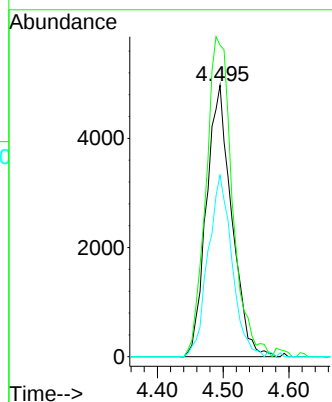
Tgt Ion: 96 Resp: 13290

Ion Ratio Lower Upper

96 100

61 123.3 0.0 283.8

98 63.1 0.0 129.8



#30

Chloroform

Concen: 0.394 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX029139.D

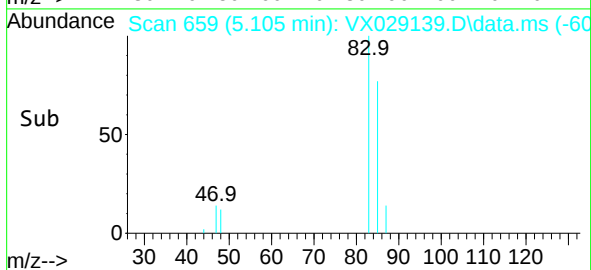
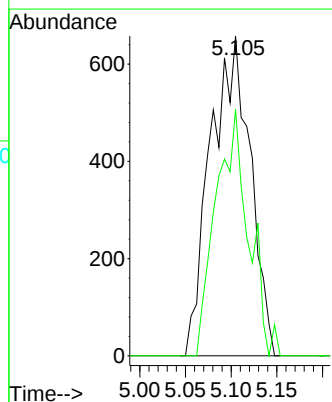
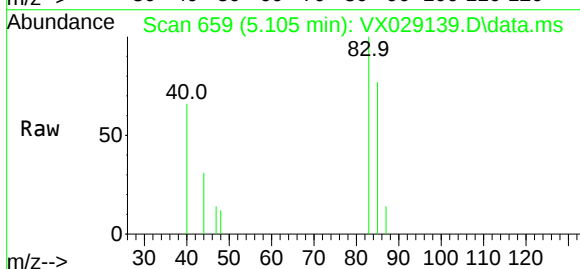
Acq: 02 Jun 2022 16:42

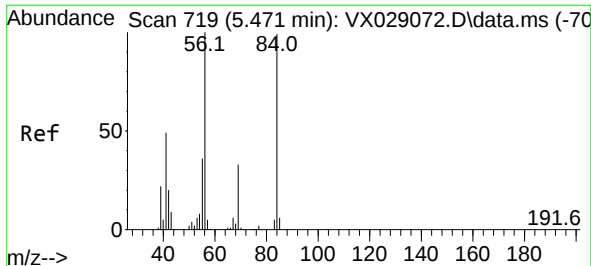
Tgt Ion: 83 Resp: 1990

Ion Ratio Lower Upper

83 100

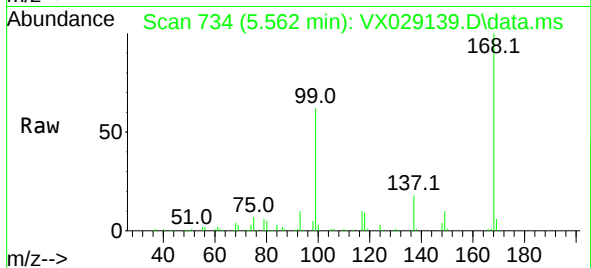
85 77.1 52.7 79.1



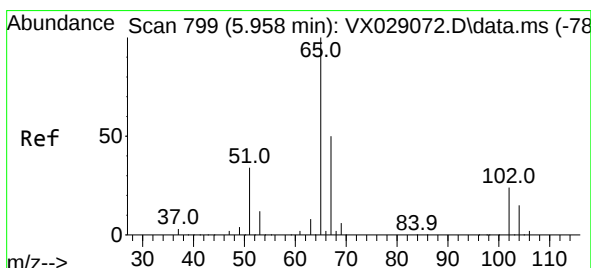
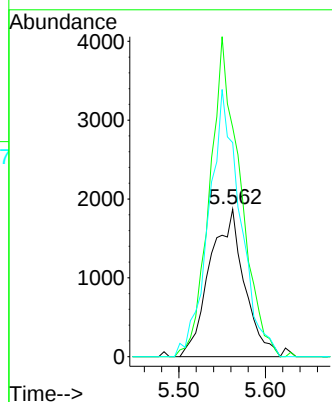
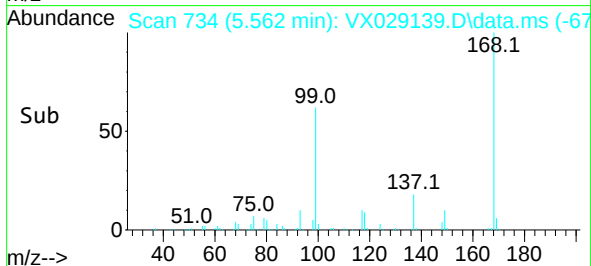


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :

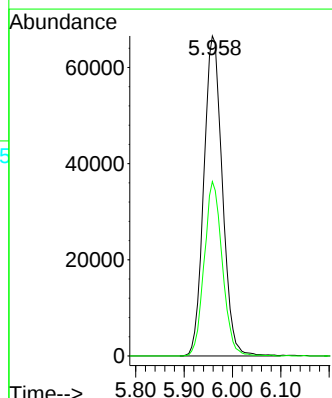
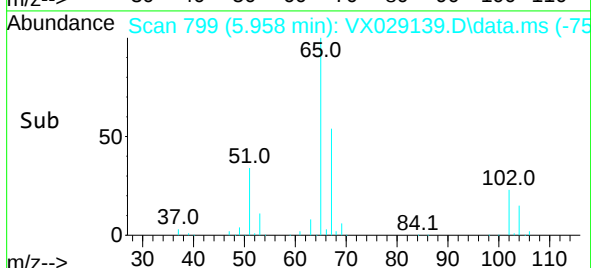
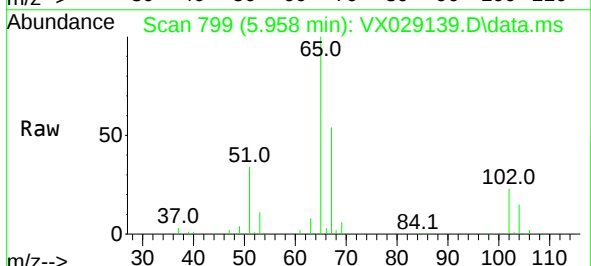


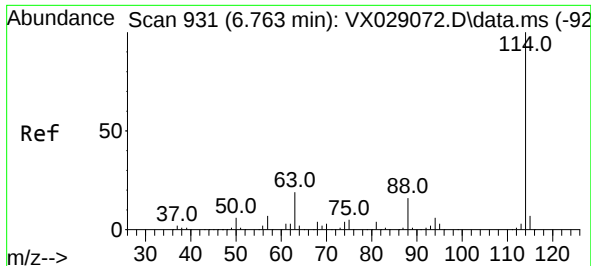
Tgt Ion: 56 Resp: 5175
Ion Ratio Lower Upper
56 100
69 155.3 26.7 40.1#
84 145.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.762 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 65 Resp: 177024
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4

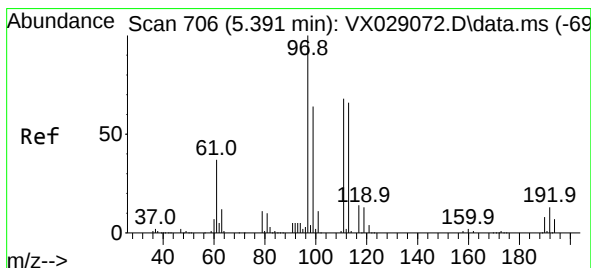
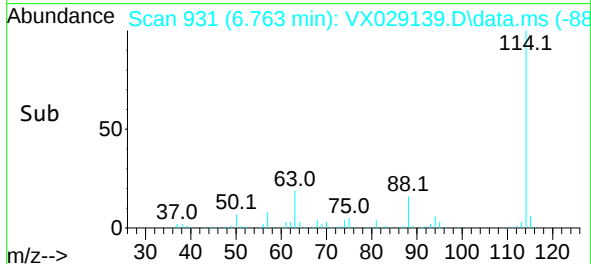
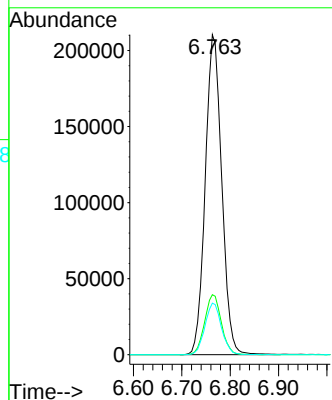
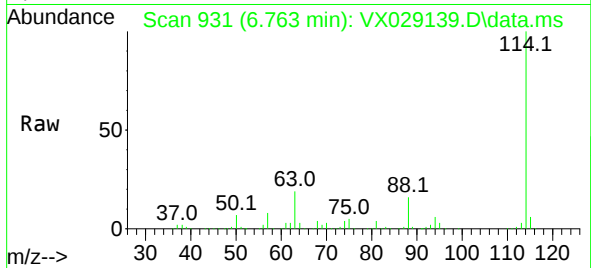




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

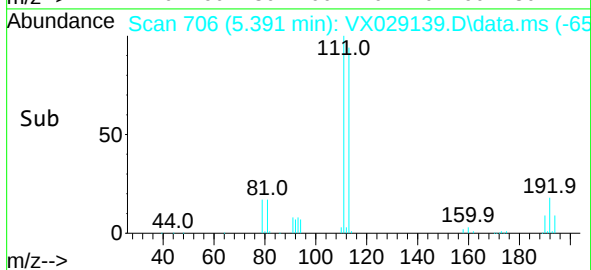
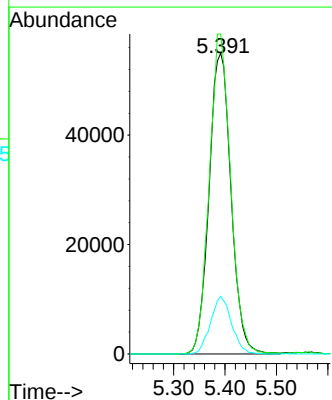
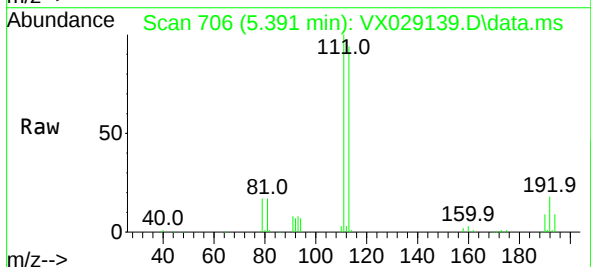
Instrument :
MSVOA_X
ClientSampleId :

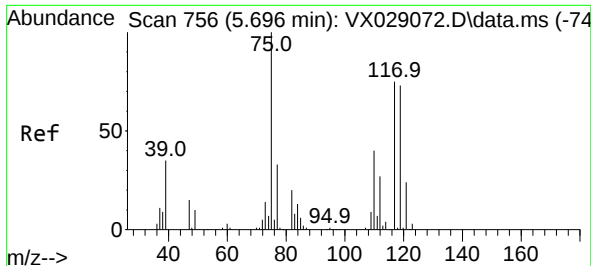
Tgt Ion:114 Resp: 498596
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.404 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion:113 Resp: 163617
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 18.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX029139.D

Acq: 02 Jun 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

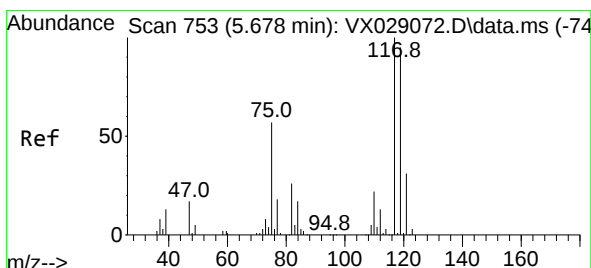
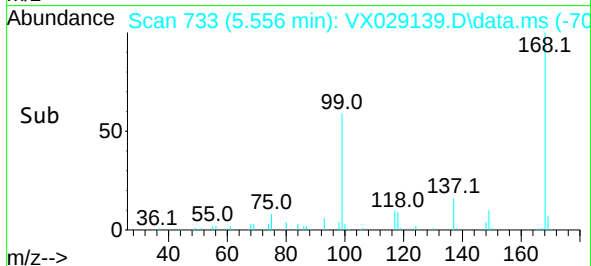
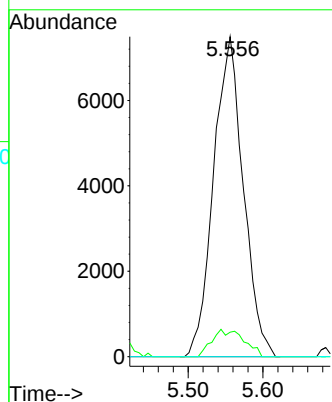
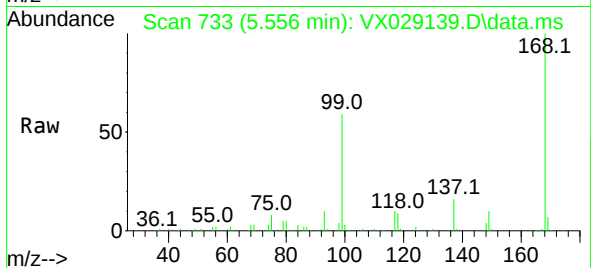
Tgt Ion: 75 Resp: 20701

Ion Ratio Lower Upper

75 100

110 4.3 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.671 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029139.D

Acq: 02 Jun 2022 16:42

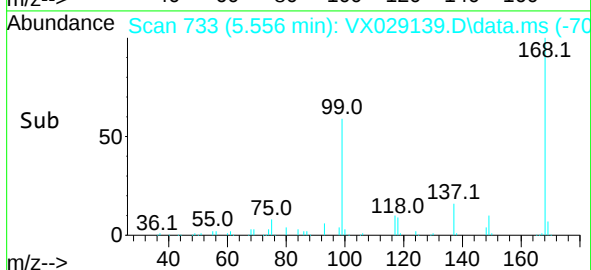
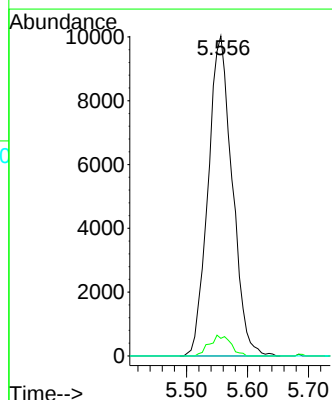
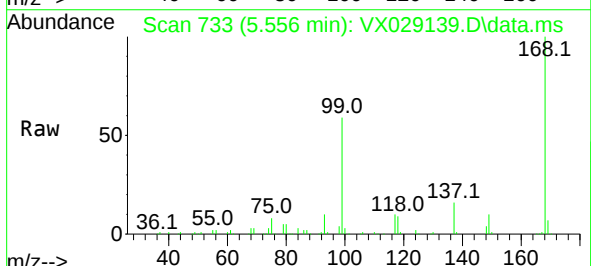
Tgt Ion: 117 Resp: 27619

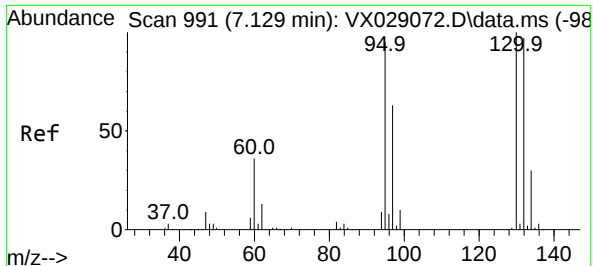
Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

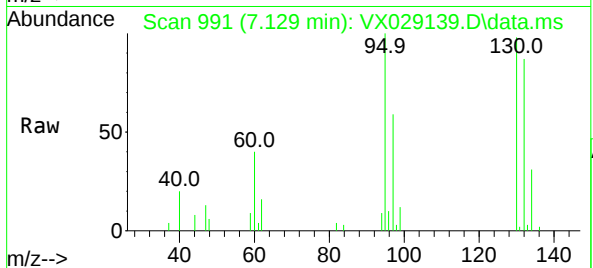
121 0.0 24.2 36.2#



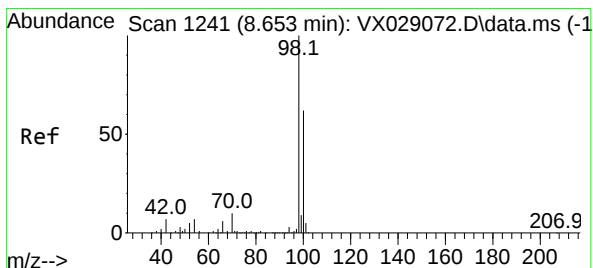
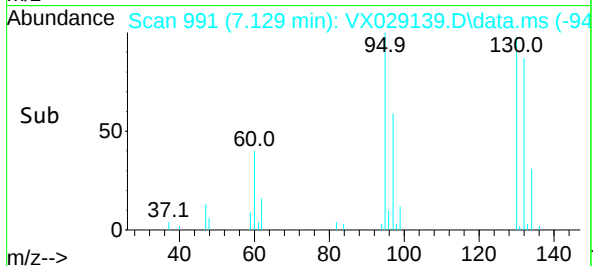
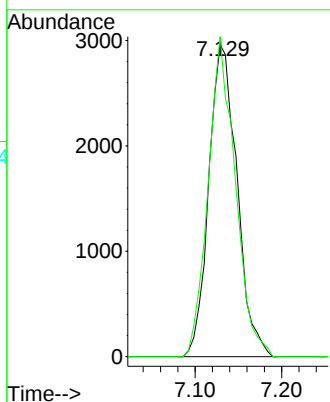


#44
Trichloroethene
Concen: 1.104 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Instrument :
MSVOA_X
ClientSampleId :

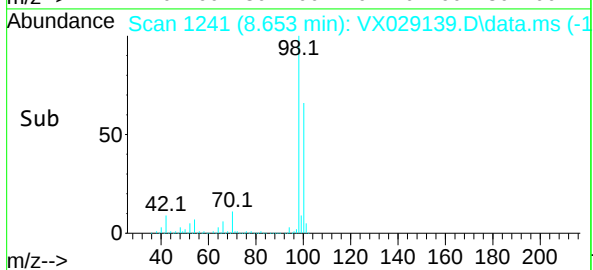
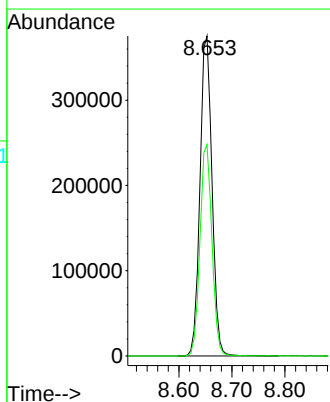
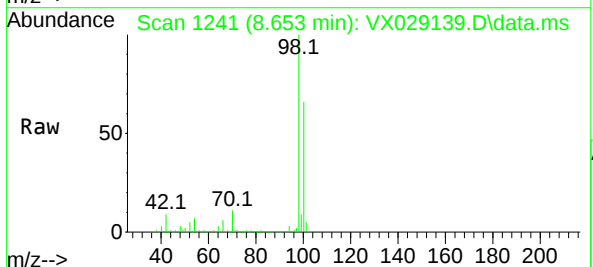


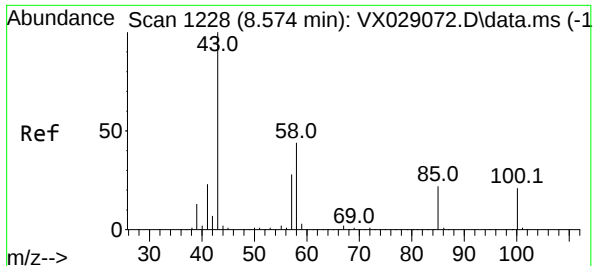
Tgt Ion:130 Resp: 6701
Ion Ratio Lower Upper
130 100
95 102.5 0.0 188.8



#50
Toluene-d8
Concen: 48.774 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 98 Resp: 590777
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

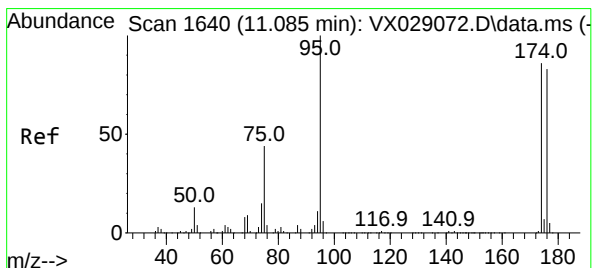
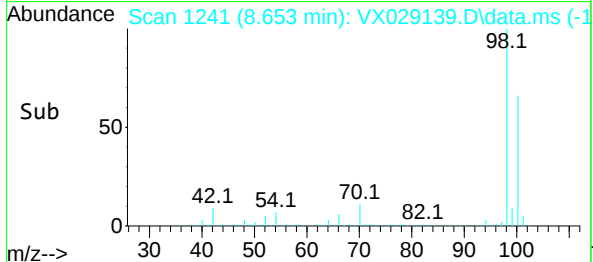
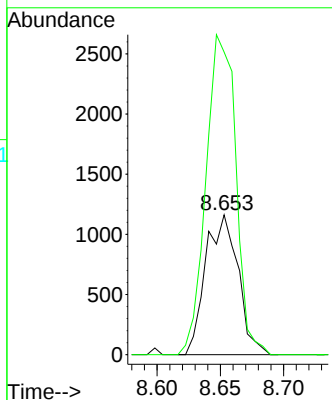
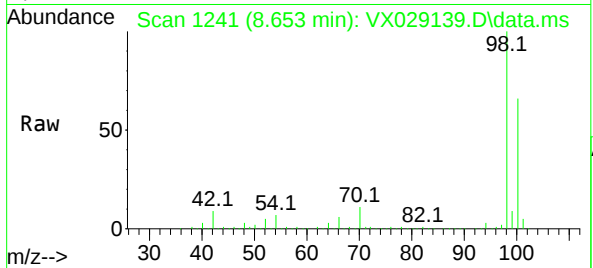




#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

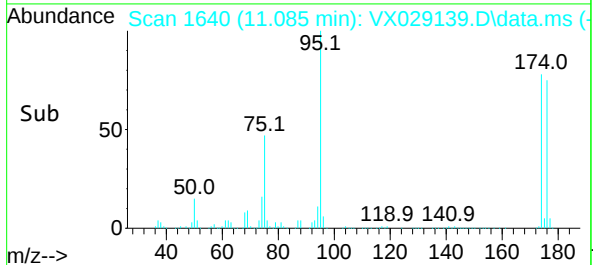
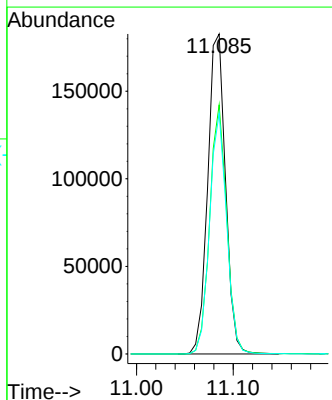
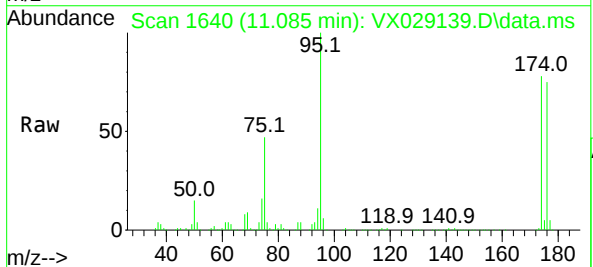
Instrument :
MSVOA_X
ClientSampleId :

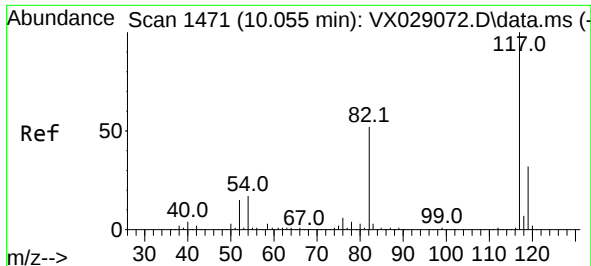
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
58 210.5 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 49.898 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

Tgt Ion: 95 Resp: 233629
Ion Ratio Lower Upper
95 100
174 74.4 0.0 163.0
176 72.2 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: VX029139.D

Acq: 02 Jun 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

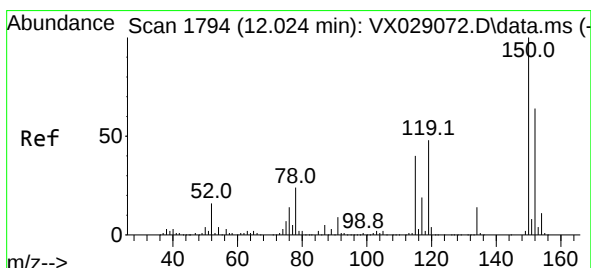
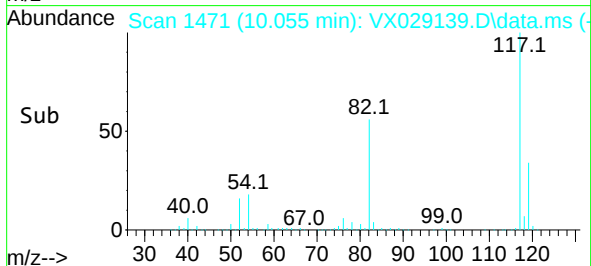
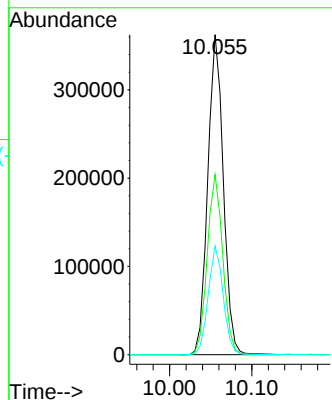
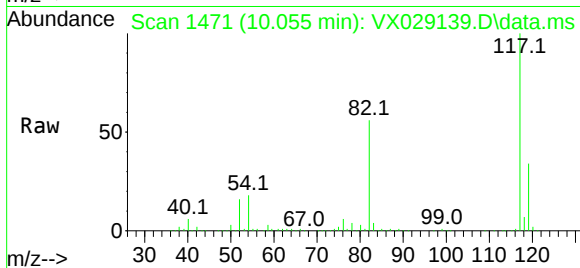
Tgt Ion:117 Resp: 476872

Ion Ratio Lower Upper

117 100

82 56.3 41.8 62.8

119 33.9 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: VX029139.D

Acq: 02 Jun 2022 16:42

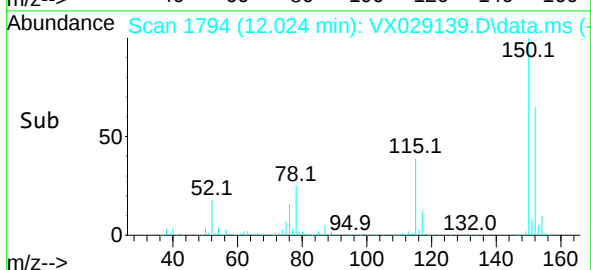
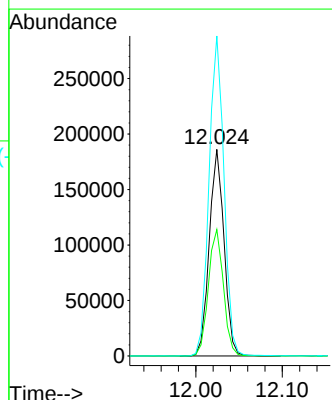
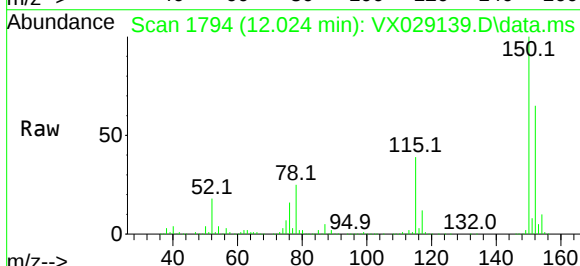
Tgt Ion:152 Resp: 221086

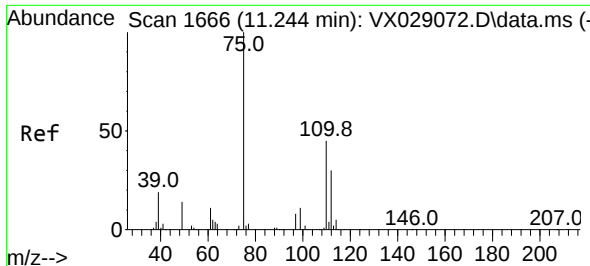
Ion Ratio Lower Upper

152 100

115 62.1 37.5 112.7

150 156.5 0.0 338.2

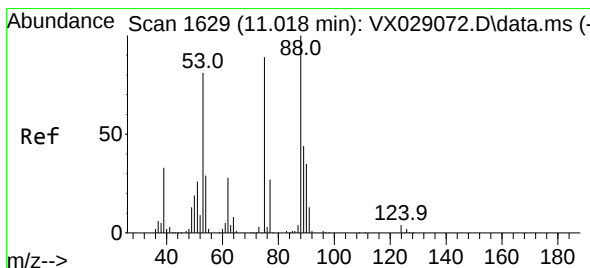
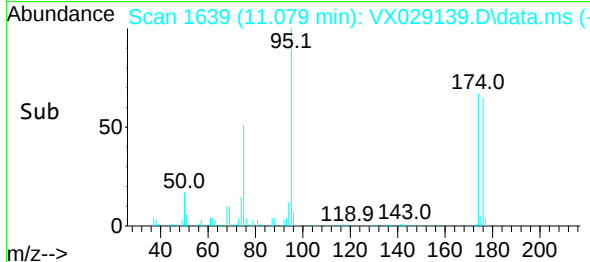
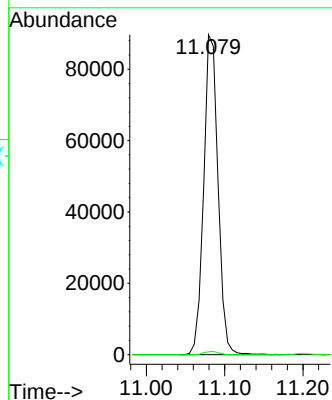
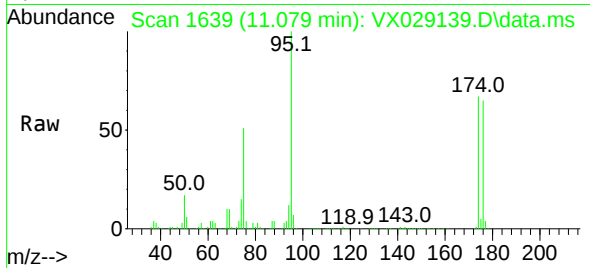




#76
1,2,3-Trichloropropane
Concen: 25.407 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

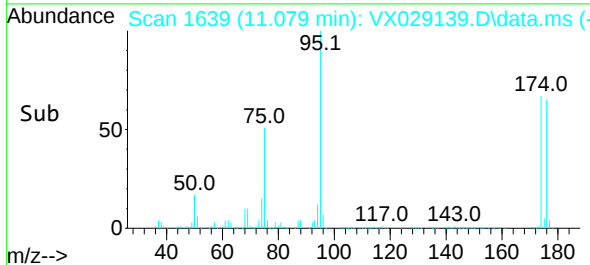
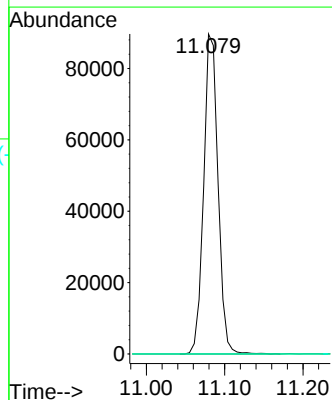
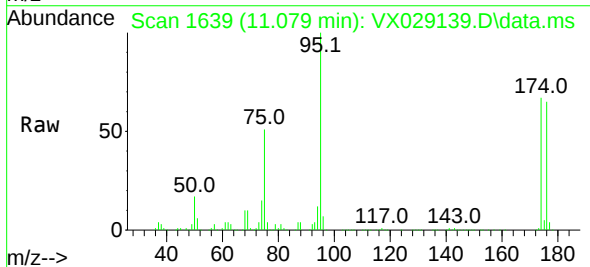
Instrument :
MSVOA_X
ClientSampleId :

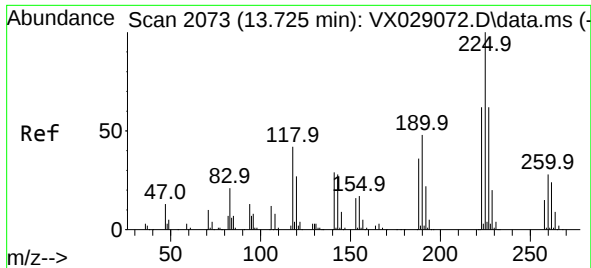
Tgt Ion: 75 Resp: 113867
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.538 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029139.D
Acq: 02 Jun 2022 16:42

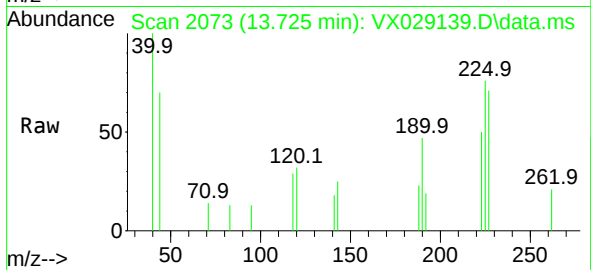
Tgt Ion: 75 Resp: 113867
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX029139.D
 Acq: 02 Jun 2022 16:42

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	225	Resp:	420
Ion	Ratio	Lower	Upper
225	100		
223	87.1	34.2	102.5
227	84.8	33.9	101.7

