

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100622\
 Data File : VX031929.D
 Acq On : 06 Oct 2022 19:42
 Operator : JC/MD
 Sample : N4882-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

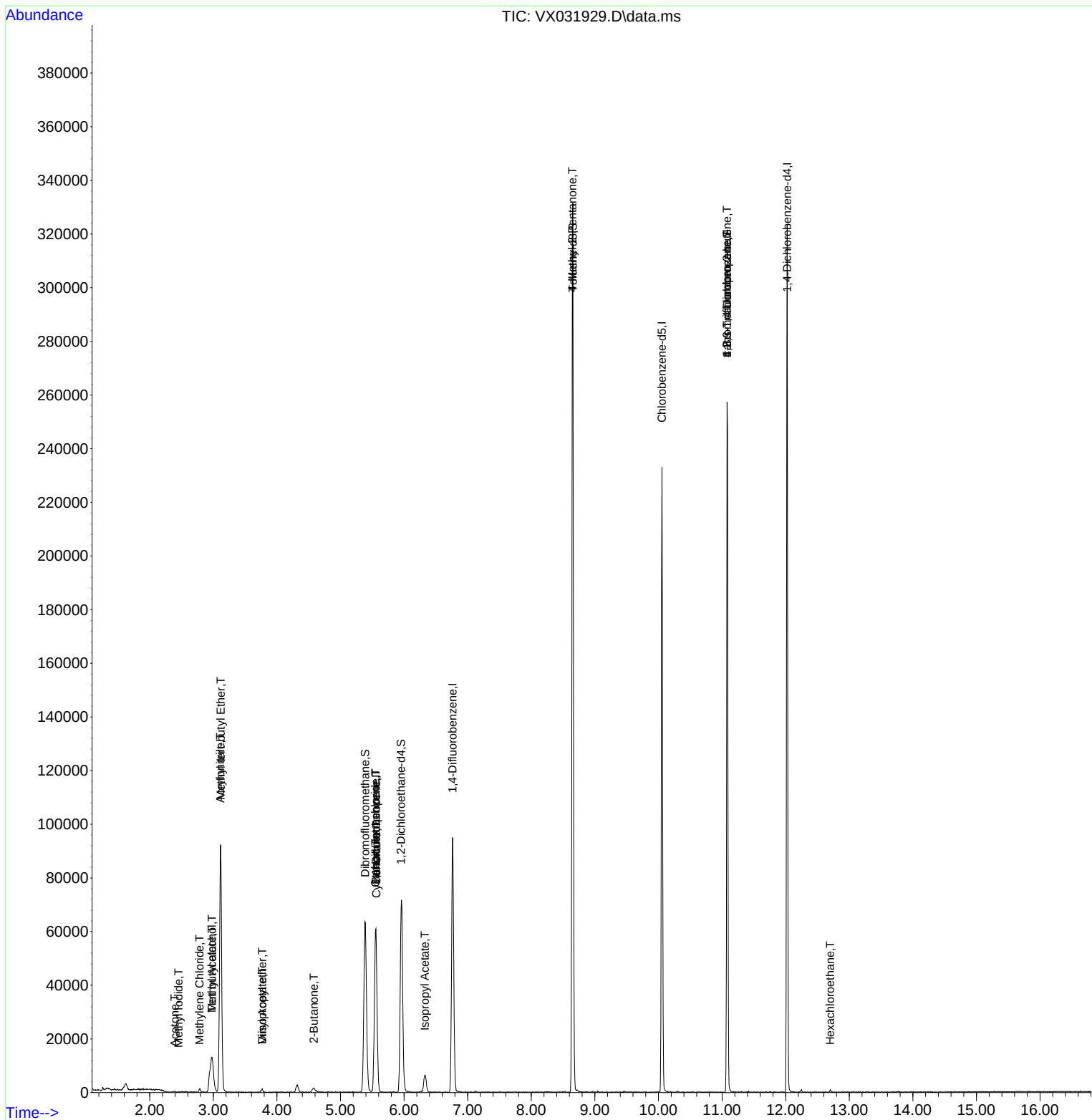
Quant Time: Oct 07 08:08:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

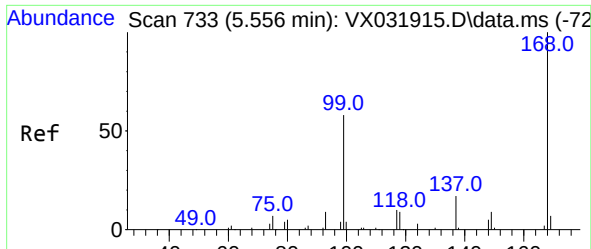
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	58592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	98253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	102974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67364	55.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	5.385	113	54886	49.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	8.653	98	198782	49.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	11.079	95	67684	47.840	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.680%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	384	Below Cal	#	72
10) Methyl Iodide	2.453	142	38	2.791	ug/l #	38
11) Tert butyl alcohol	2.977	59	20954	139.183	ug/l	97
15) Acrylonitrile	3.111	53	1366	2.846	ug/l #	22
16) Acetone	2.392	43	343	0.834	ug/l #	45
18) Methyl Acetate	2.977	43	2090	1.540	ug/l #	52
19) Methyl tert-butyl Ether	3.117	73	102101	34.092	ug/l	98
20) Methylene Chloride	2.782	84	660	0.611	ug/l #	89
22) Diisopropyl ether	3.769	45	1099	0.385	ug/l #	78
23) Vinyl Acetate	3.769	43	556	0.261	ug/l #	71
25) 2-Butanone	4.580	43	184	0.286	ug/l #	49
31) Cyclohexane	5.562	56	1321	0.914	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	4685	3.177	ug/l #	51
38) Carbon Tetrachloride	5.550	117	6183	4.100	ug/l #	18
43) Isopropyl Acetate	6.324	43	2187	1.038	ug/l #	10
51) 4-Methyl-2-Pentanone	8.647	43	838	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	34866	26.529	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34866	90.966	ug/l #	11
90) Hexachloroethane	12.701	117	438	1.956	ug/l #	15

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

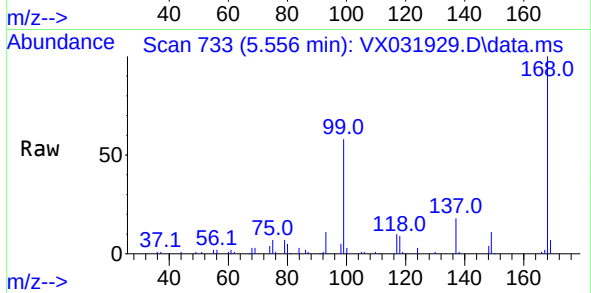
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 2022
Response via : Initial Calibration



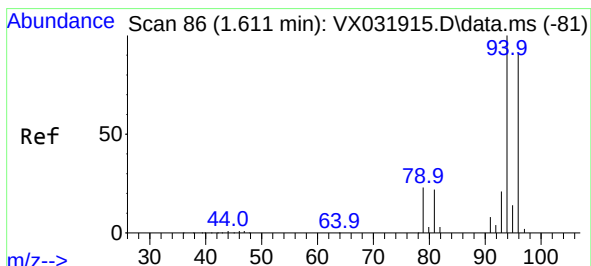
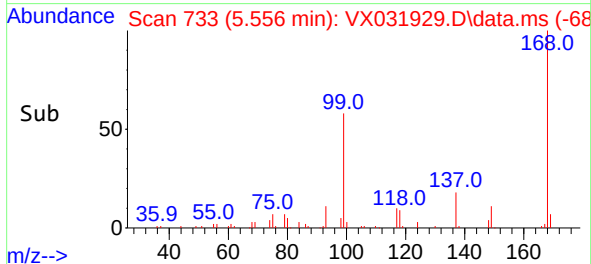
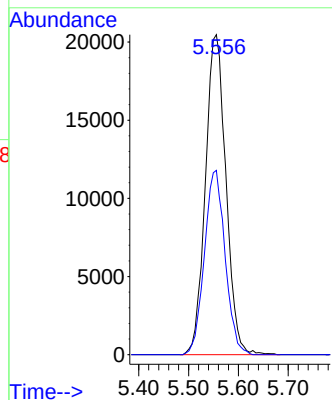


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

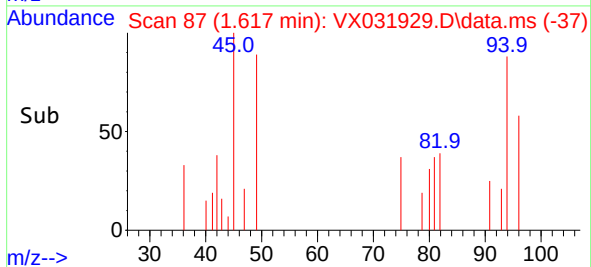
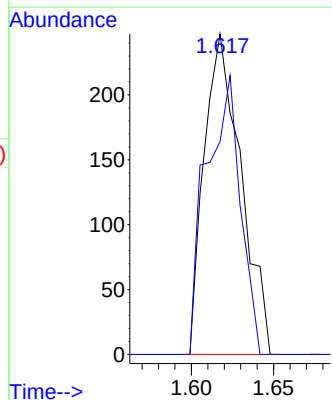
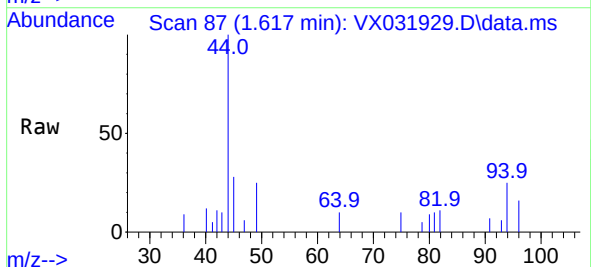


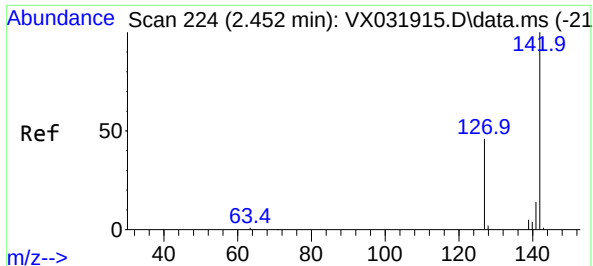
Tgt Ion:168 Resp: 58592
Ion Ratio Lower Upper
168 100
99 57.6 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

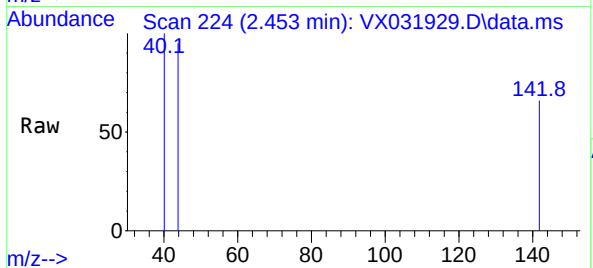
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 66.4 74.4 111.6#



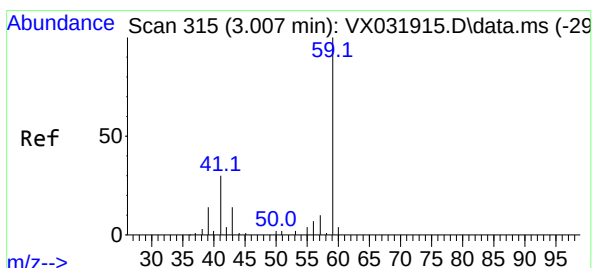
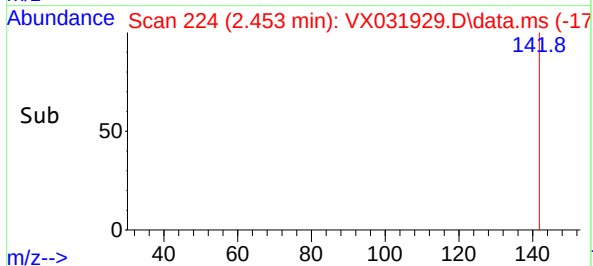
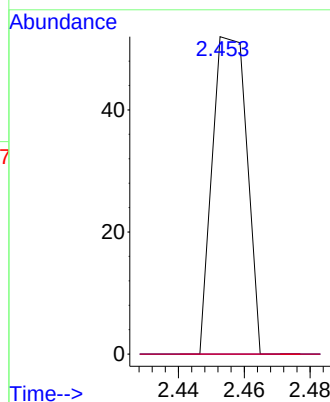


#10
Methyl Iodide
Concen: 2.791 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

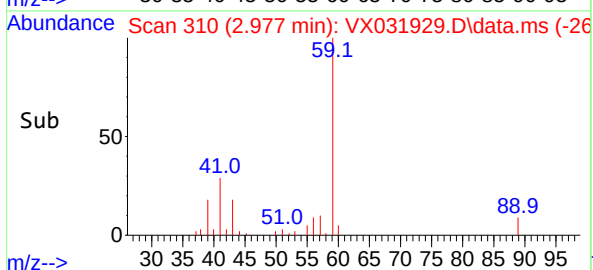
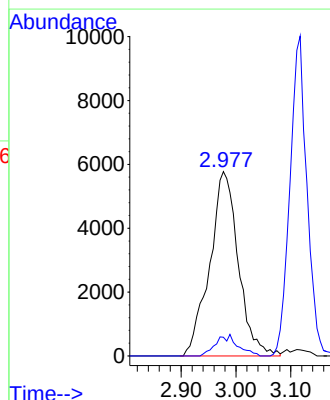
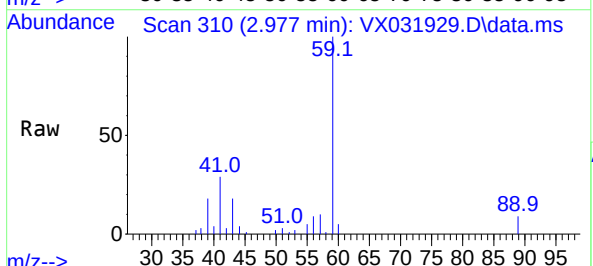


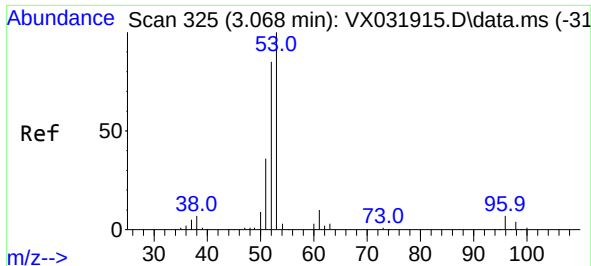
Tgt Ion:142 Resp: 38
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 139.183 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.030 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

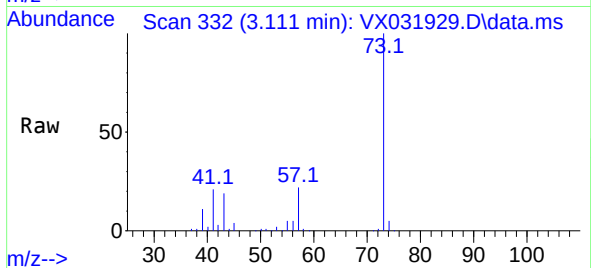
Tgt Ion: 59 Resp: 20954
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.2



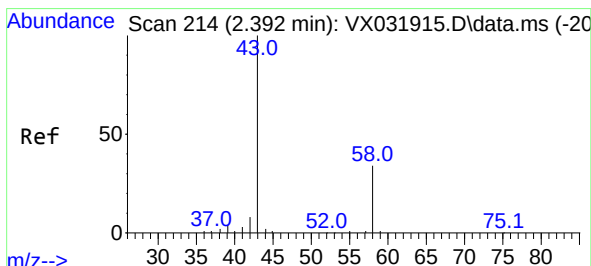
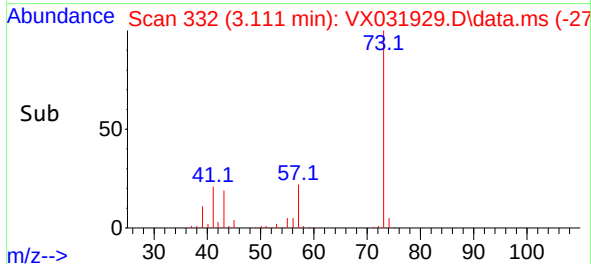
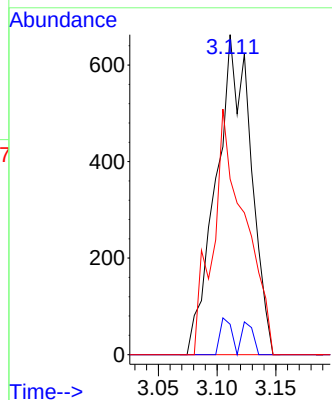


#15
Acrylonitrile
Concen: 2.846 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.043 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

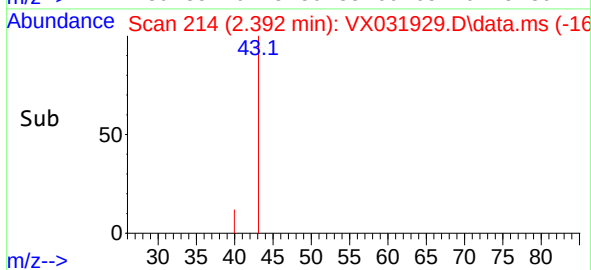
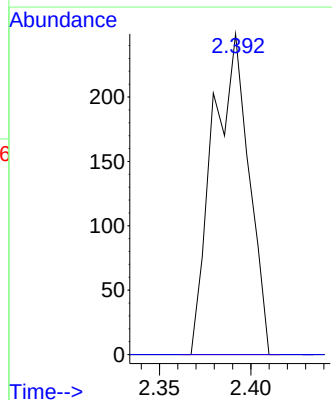
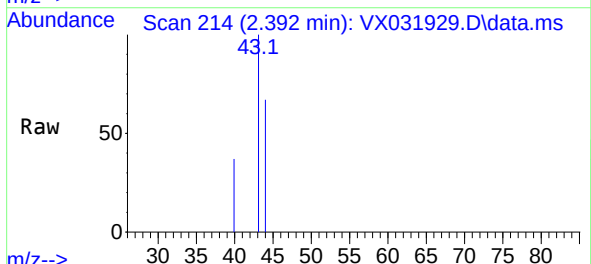


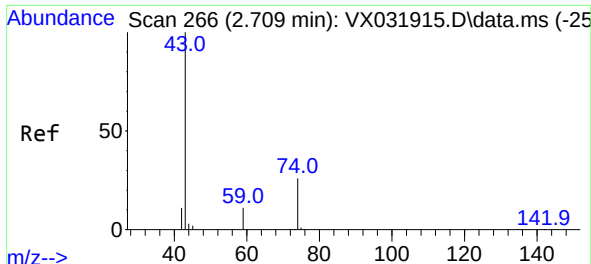
Tgt Ion: 53 Resp: 1366
Ion Ratio Lower Upper
53 100
52 3.7 66.9 100.3#
51 70.3 30.0 45.0#



#16
Acetone
Concen: 0.834 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#

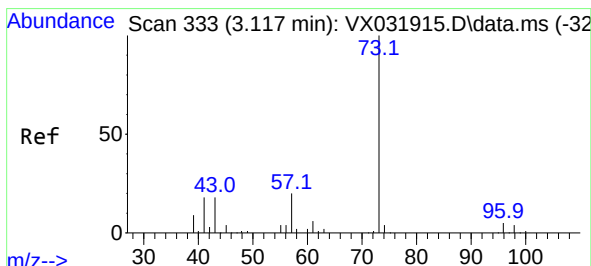
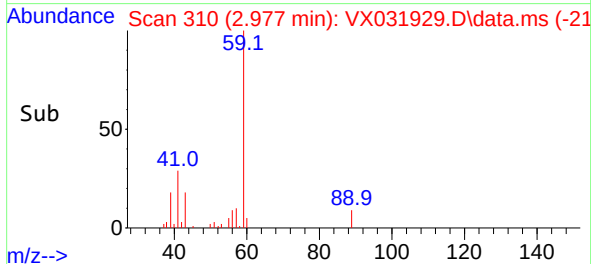
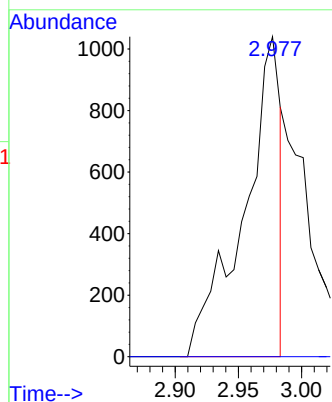
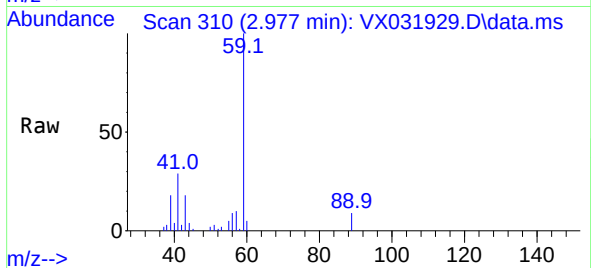




#18
Methyl Acetate
Concen: 1.540 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.268 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

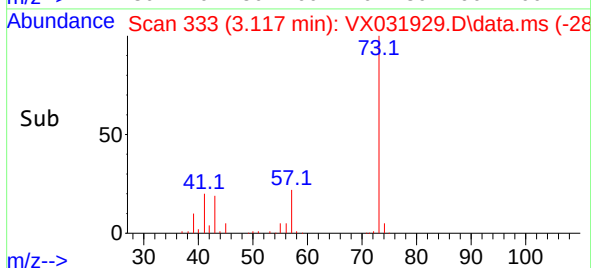
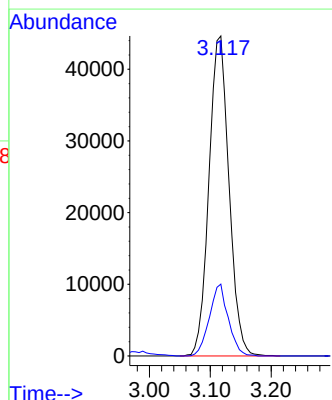
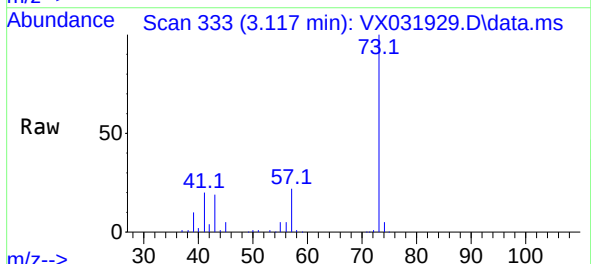
Instrument :
MSVOA_X
ClientSampleId :

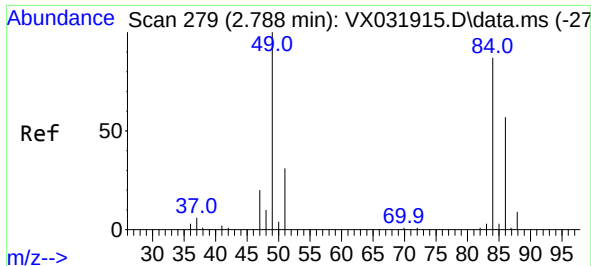
Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 34.092 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

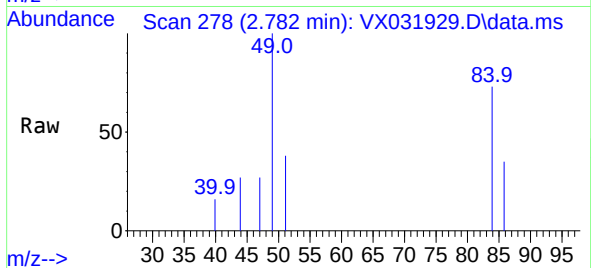
Tgt Ion: 73 Resp: 102101
Ion Ratio Lower Upper
73 100
57 22.4 17.2 25.8





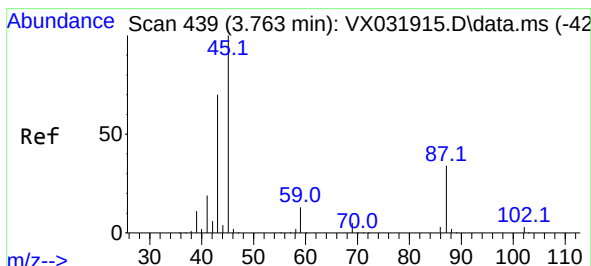
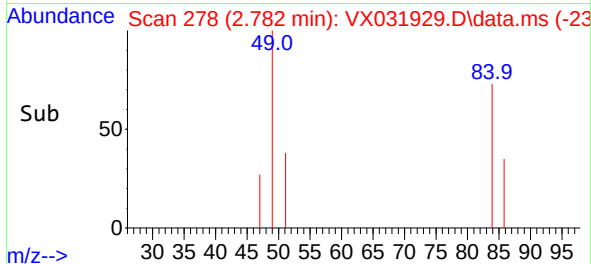
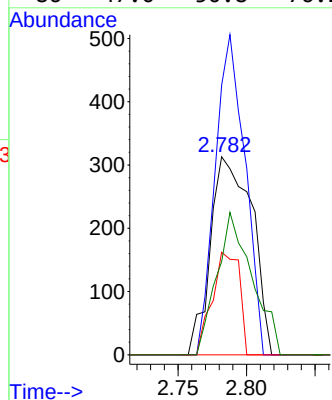
#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 660

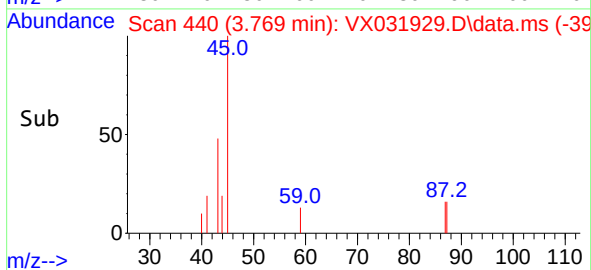
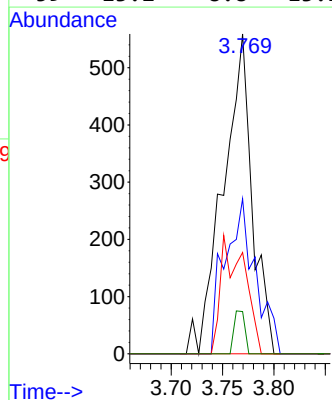
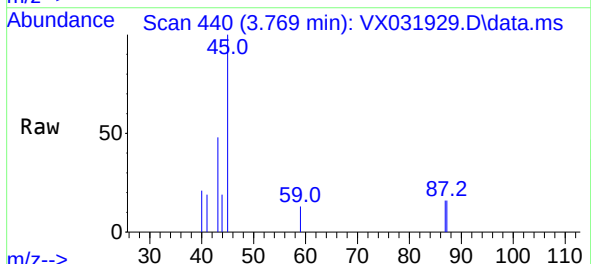
Ion	Ratio	Lower	Upper
84	100		
49	136.1	105.9	158.9
51	51.8	32.2	48.2#
86	47.0	50.8	76.2#

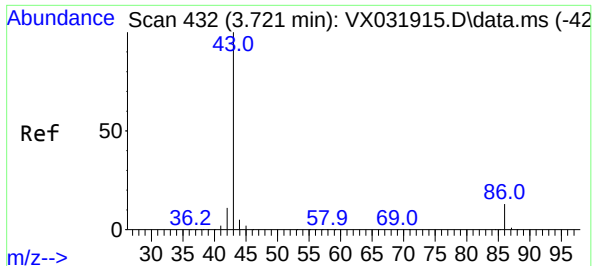


#22
Diisopropyl ether
Concen: 0.385 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 45 Resp: 1099

Ion	Ratio	Lower	Upper
45	100		
43	48.5	59.0	88.6#
87	31.7	22.6	33.8
59	13.2	8.8	13.2#

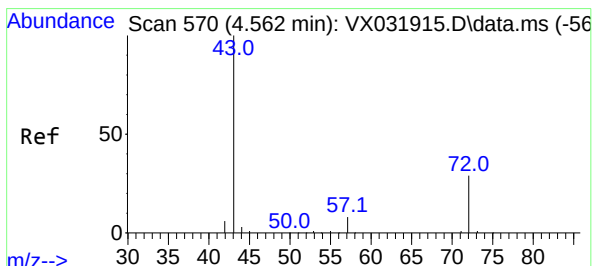
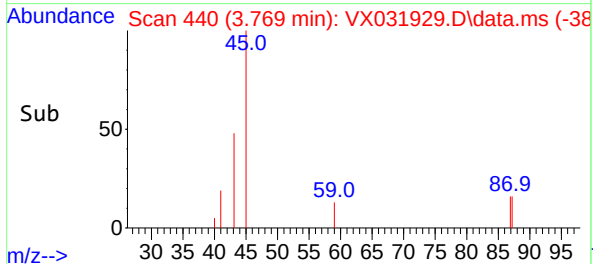
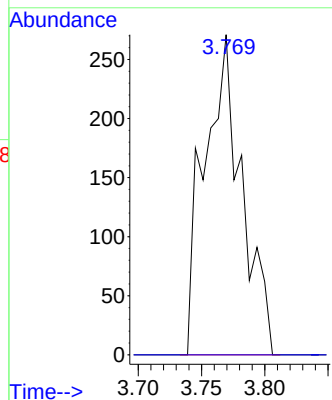
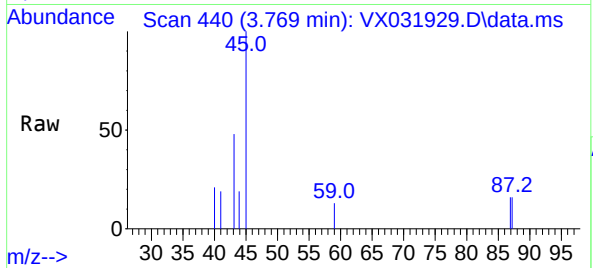




#23
 Vinyl Acetate
 Concen: 0.261 ug/l
 RT: 3.769 min Scan# 44
 Delta R.T. 0.048 min
 Lab File: VX031929.D
 Acq: 06 Oct 2022 19:42

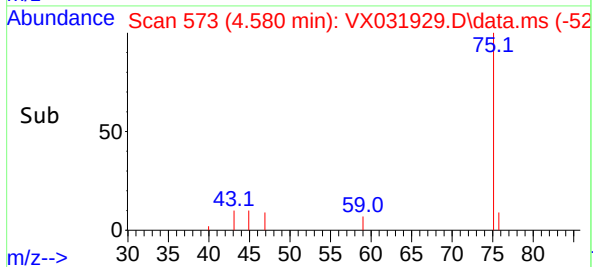
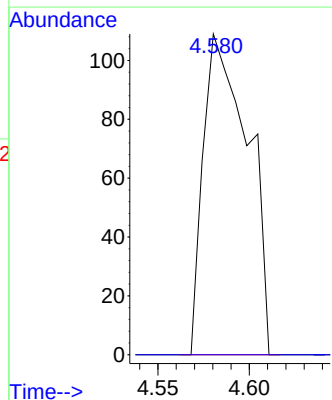
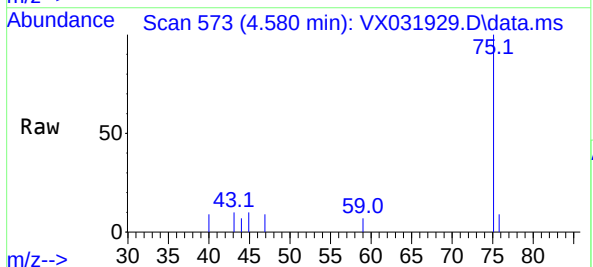
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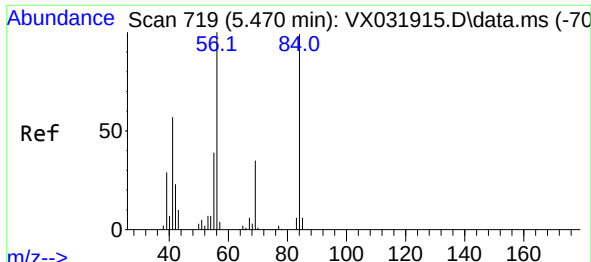
Tgt Ion: 43 Resp: 556
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#25
 2-Butanone
 Concen: 0.286 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.018 min
 Lab File: VX031929.D
 Acq: 06 Oct 2022 19:42

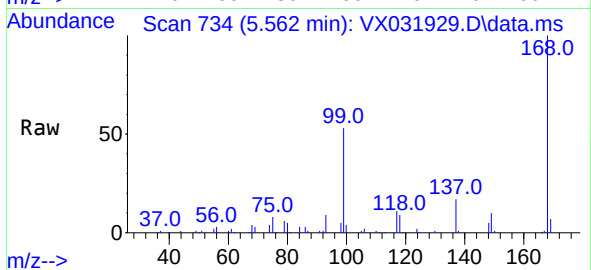
Tgt Ion: 43 Resp: 184
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.1 31.7#



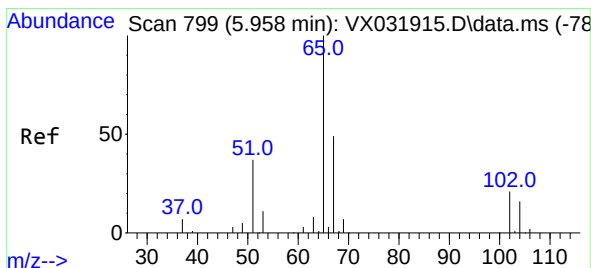
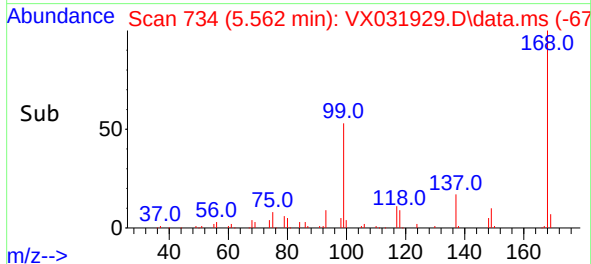
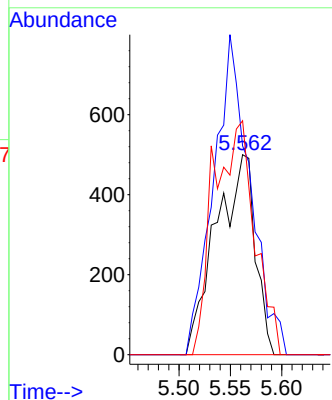


#31
Cyclohexane
Concen: 0.914 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

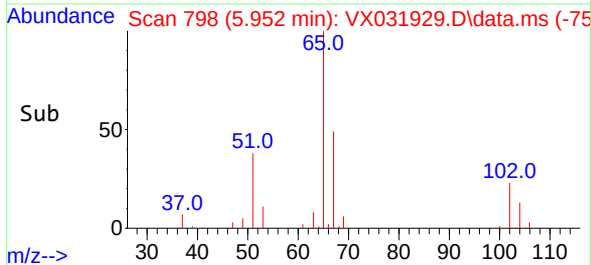
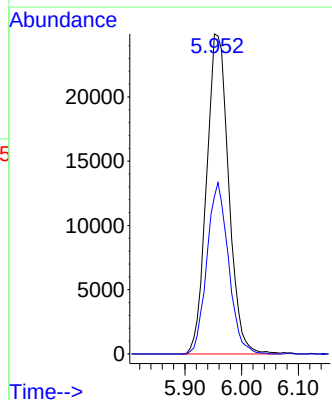
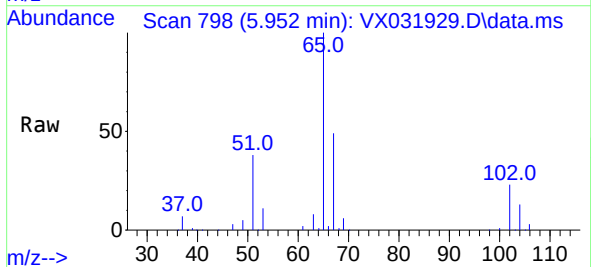


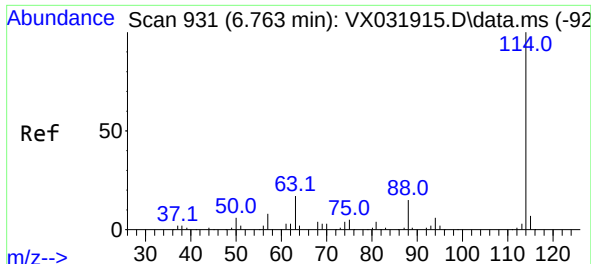
Tgt Ion: 56 Resp: 1321
Ion Ratio Lower Upper
56 100
69 104.4 25.1 37.7#
84 117.0 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 55.671 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 65 Resp: 67364
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4

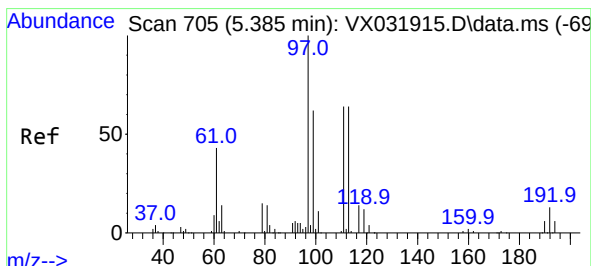
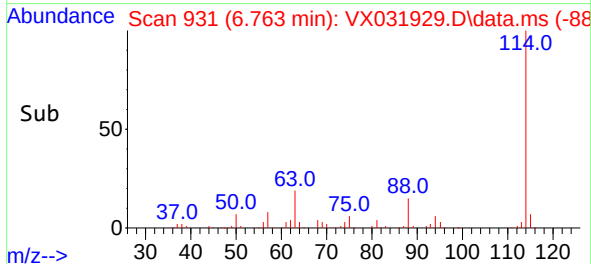
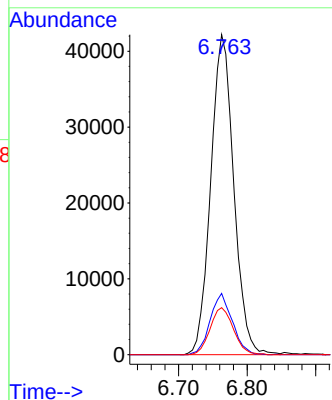
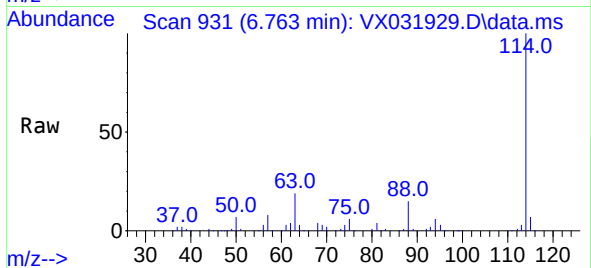




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

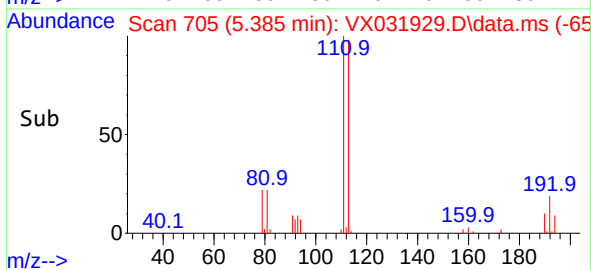
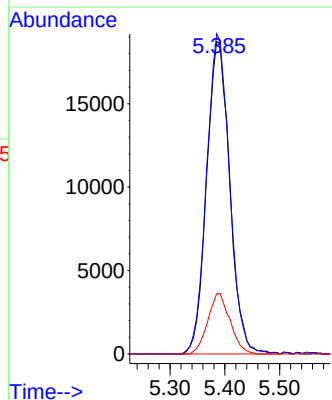
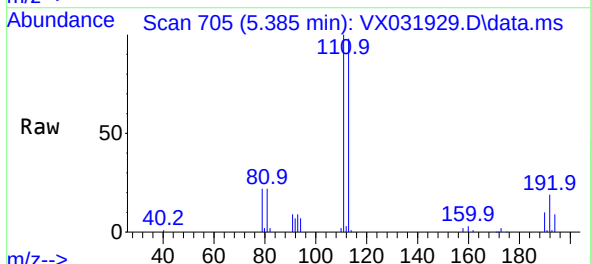
Instrument :
MSVOA_X
ClientSampleId :

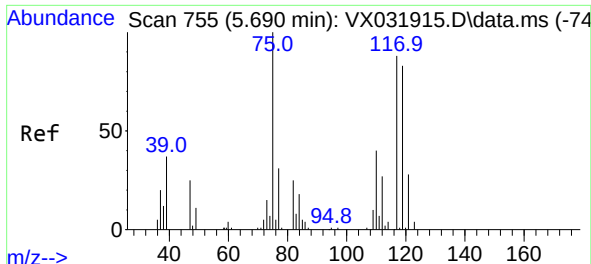
Tgt Ion:114 Resp: 98253
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.6
88 14.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.350 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

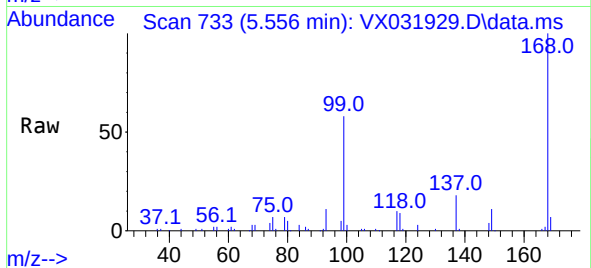
Tgt Ion:113 Resp: 54886
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 18.6 14.1 21.1



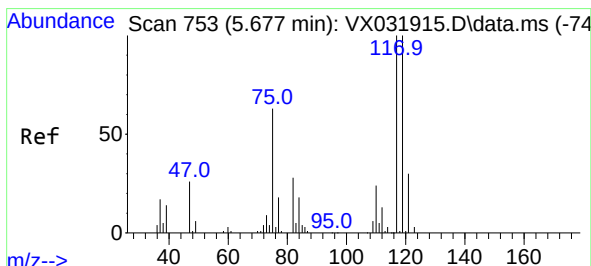
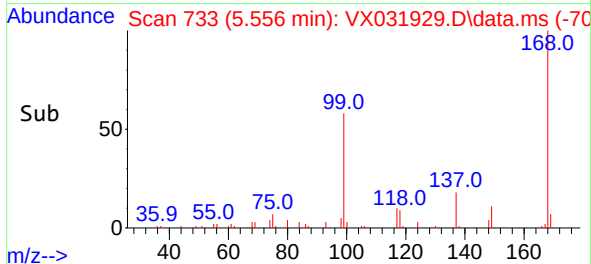
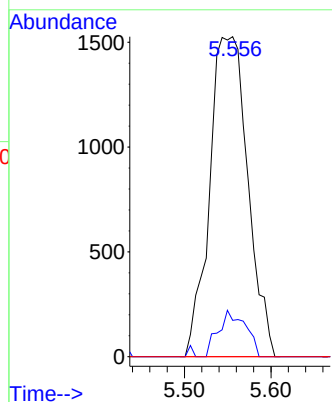


#36
1,1-Dichloropropene
Concen: 3.177 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

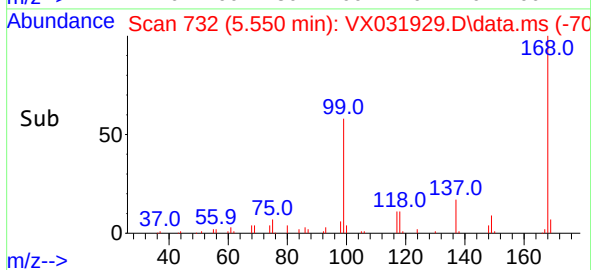
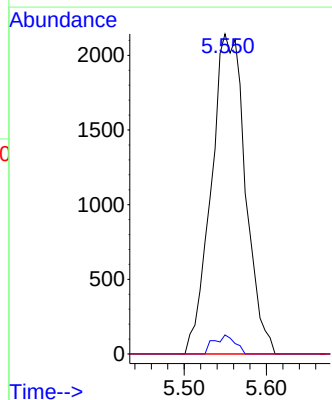
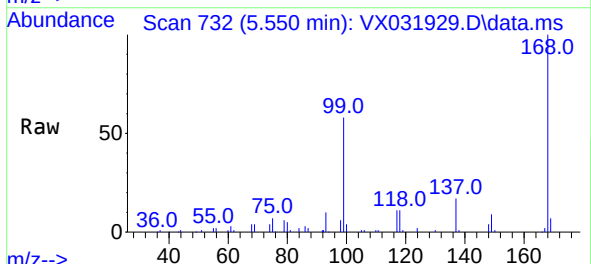


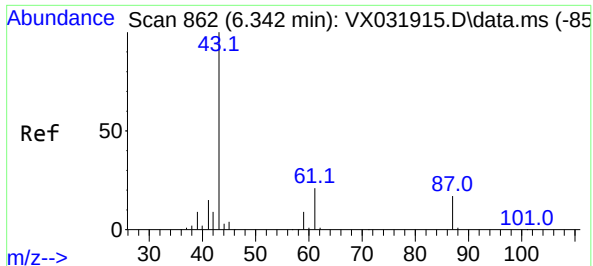
Tgt Ion: 75 Resp: 4685
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.100 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 117 Resp: 6183
Ion Ratio Lower Upper
117 100
119 6.0 74.6 112.0#
121 0.0 25.3 37.9#

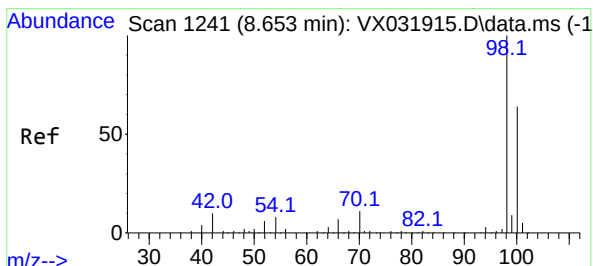
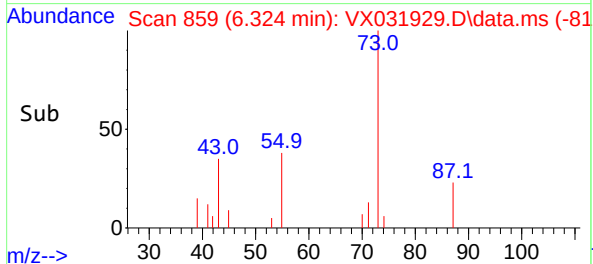
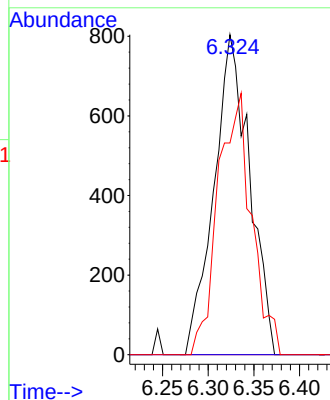
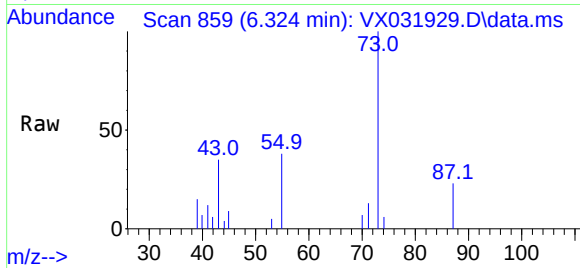




#43
Isopropyl Acetate
Concen: 1.038 ug/l
RT: 6.324 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

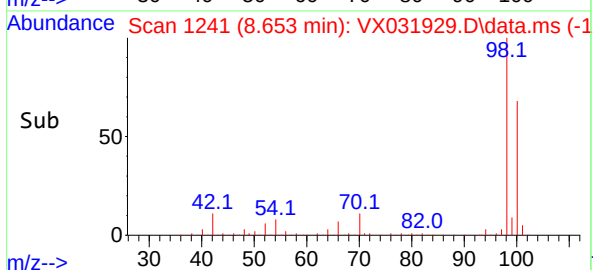
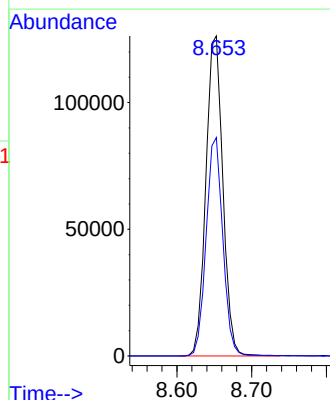
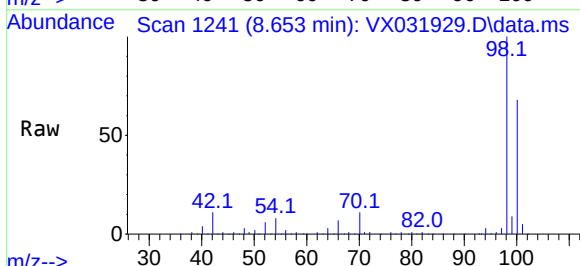
Instrument :
MSVOA_X
ClientSampleId :

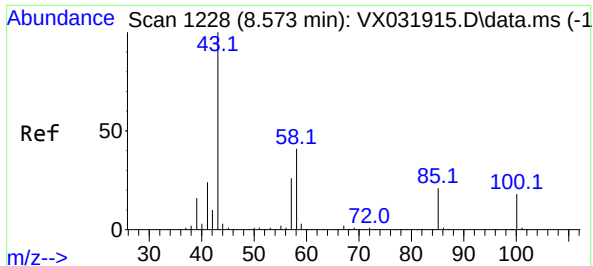
Tgt Ion: 43 Resp: 2187
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 76.8 10.6 15.8#



#50
Toluene-d8
Concen: 49.671 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 98 Resp: 198782
Ion Ratio Lower Upper
98 100
100 67.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.600 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX031929.D

Acq: 06 Oct 2022 19:42

Instrument :

MSVOA_X

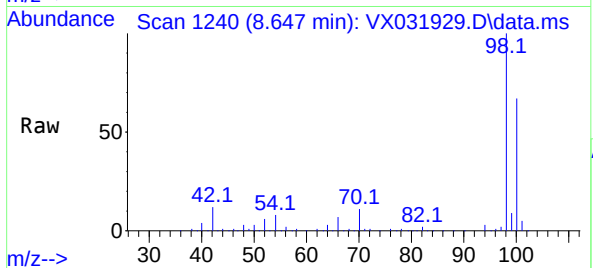
ClientSampleId :

Tgt Ion: 43 Resp: 838

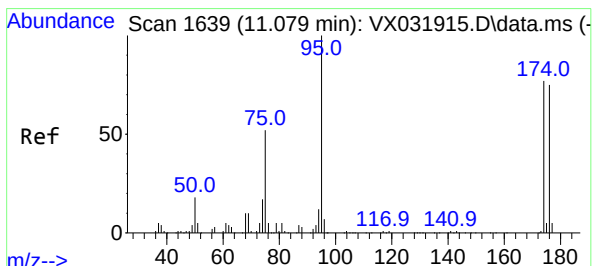
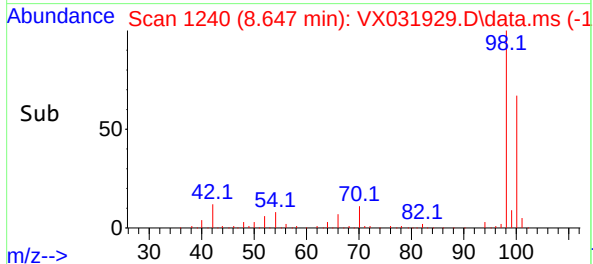
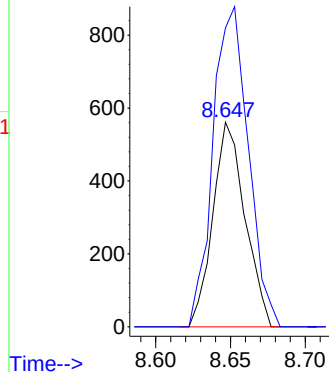
Ion Ratio Lower Upper

43 100

58 172.0 30.6 46.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 47.840 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031929.D

Acq: 06 Oct 2022 19:42

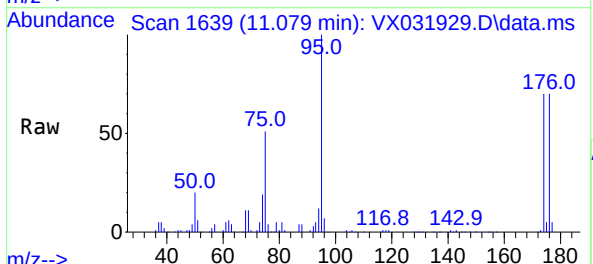
Tgt Ion: 95 Resp: 67684

Ion Ratio Lower Upper

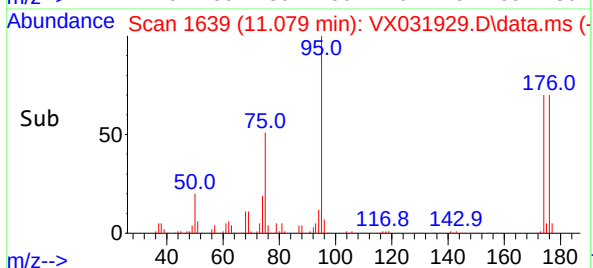
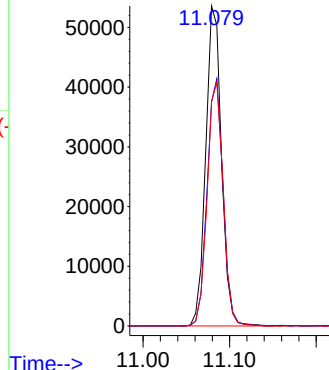
95 100

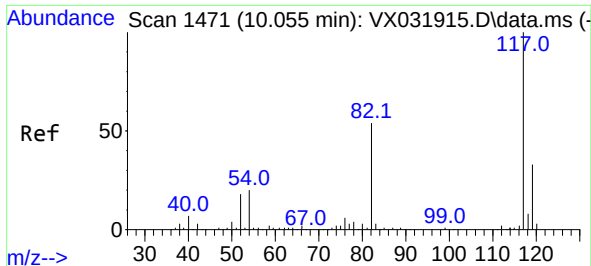
174 78.5 0.0 153.2

176 77.3 0.0 144.0



Abundance

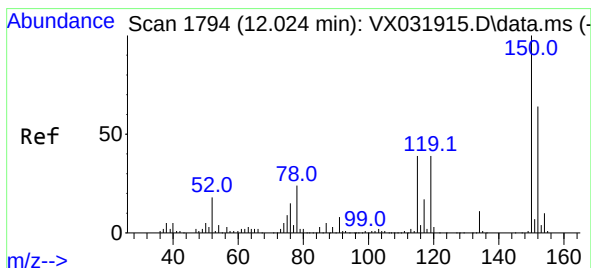
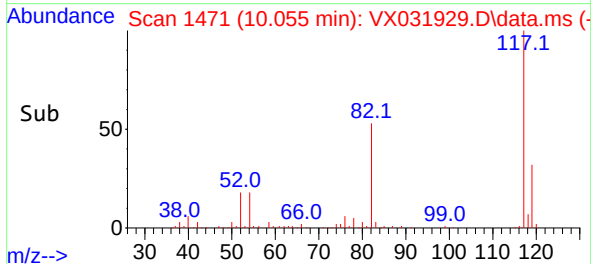
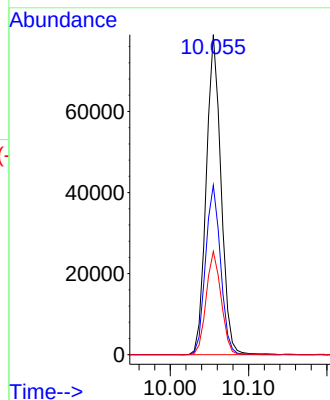
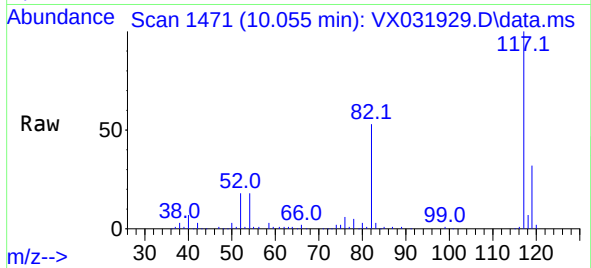




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

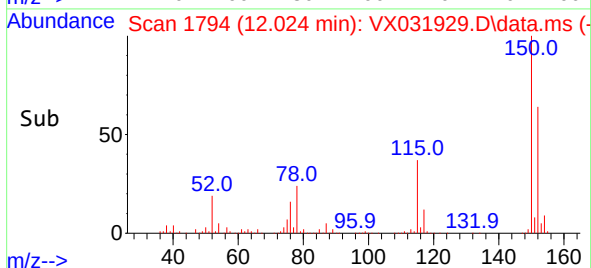
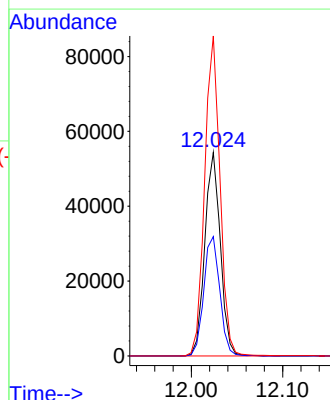
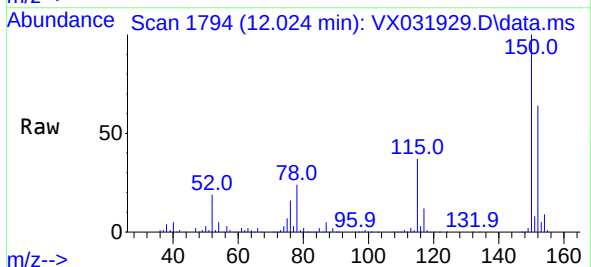
Instrument :
MSVOA_X
ClientSampleId :

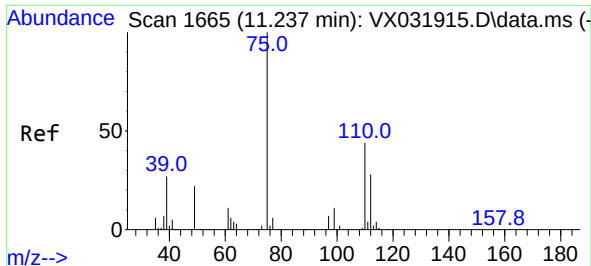
Tgt Ion:117 Resp: 102974
Ion Ratio Lower Upper
117 100
82 53.0 46.8 70.2
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion:152 Resp: 64126
Ion Ratio Lower Upper
152 100
115 60.6 43.4 130.1
150 155.6 0.0 346.8

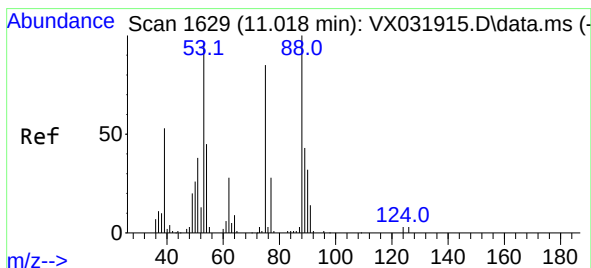
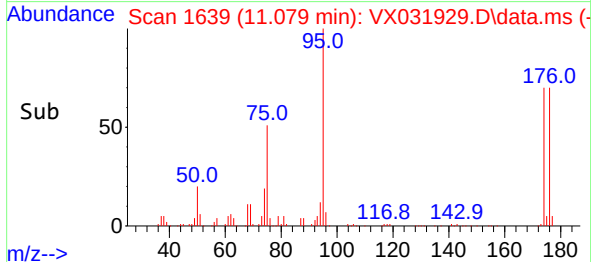
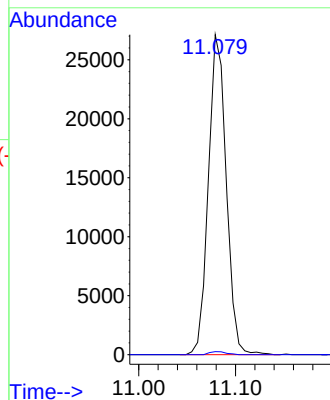
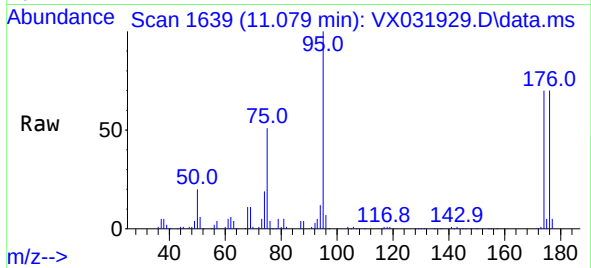




#76
1,2,3-Trichloropropane
Concen: 26.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

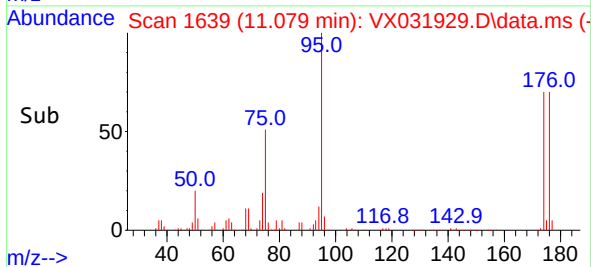
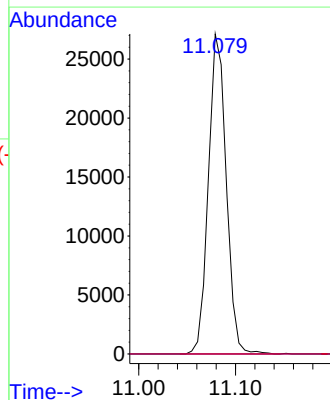
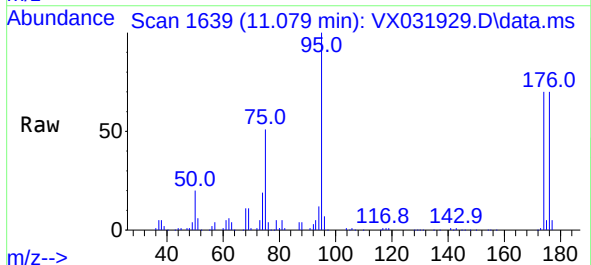
Instrument :
MSVOA_X
ClientSampleId :

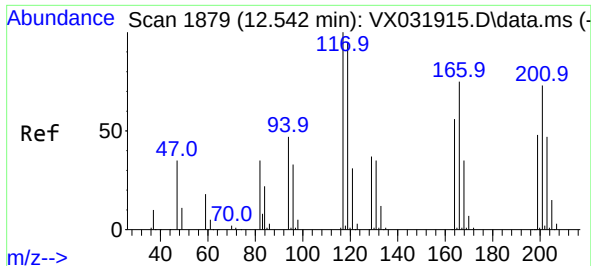
Tgt Ion: 75 Resp: 34866
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.966 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Tgt Ion: 75 Resp: 34866
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#





#90
Hexachloroethane
Concen: 1.956 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX031929.D
Acq: 06 Oct 2022 19:42

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 438
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#

