

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025374.D
 Acq On : 29 Nov 2021 16:58
 Operator : JC/MD
 Sample : M4837-11 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20931

Quant Time: Nov 30 04:02:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

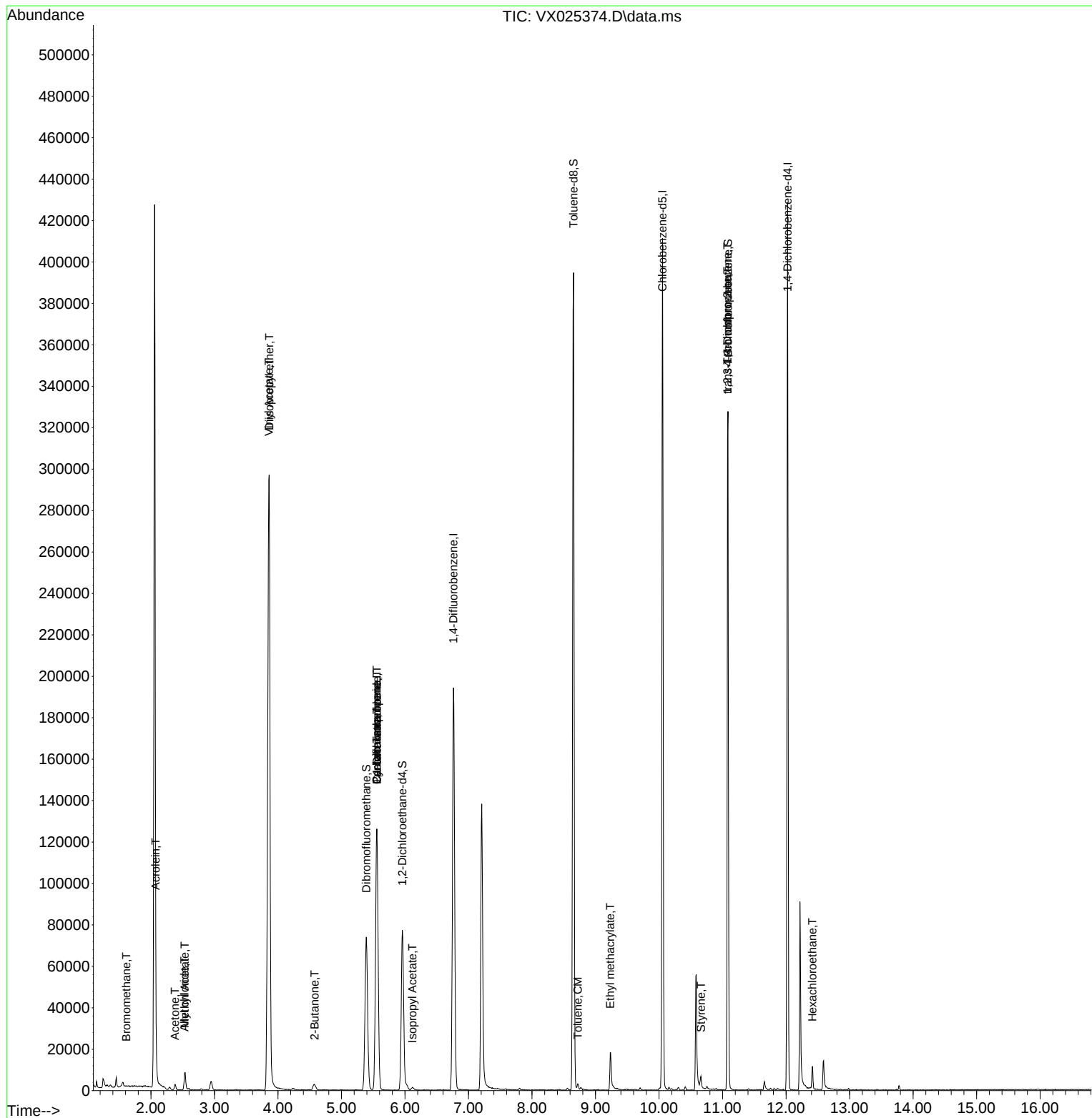
Internal Standards						
1) Pentafluorobenzene	5.556	168	130001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70664	51.568	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.140%
35) Dibromofluoromethane	5.391	113	63414	49.253	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.500%
50) Toluene-d8	8.653	98	241834	49.957	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.920%
62) 4-Bromofluorobenzene	11.085	95	86758	47.374	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.740%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	151	0.229	ug/l #	63
11) Tert butyl alcohol	2.946	59	2760	Below Cal	#	72
13) Acrolein	2.075	56	42	0.669	ug/l #	71
14) Allyl chloride	2.526	41	869	0.399	ug/l #	67
16) Acetone	2.379	43	2789	3.663	ug/l	99
18) Methyl Acetate	2.532	43	2405	0.989	ug/l #	52
22) Diisopropyl ether	3.861	45	19776	4.762	ug/l #	1
23) Vinyl Acetate	3.855	43	48385	14.505	ug/l #	72
25) 2-Butanone	4.574	43	939	0.853	ug/l	92
31) Cyclohexane	5.556	56	2368	1.118	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8832	4.824	ug/l #	49
38) Carbon Tetrachloride	5.556	117	12023	5.962	ug/l #	17
43) Isopropyl Acetate	6.117	43	1290	0.372	ug/l #	61
52) Toluene	8.720	92	1003	0.277	ug/l	83
56) Ethyl methacrylate	9.232	69	519	0.222	ug/l #	1
70) Styrene	10.658	104	1916	0.437	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	41904	22.802	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41904	57.442	ug/l #	9
90) Hexachloroethane	12.414	117	492	0.468	ug/l #	11
95) Naphthalene	13.780	128	1544	Below Cal		98

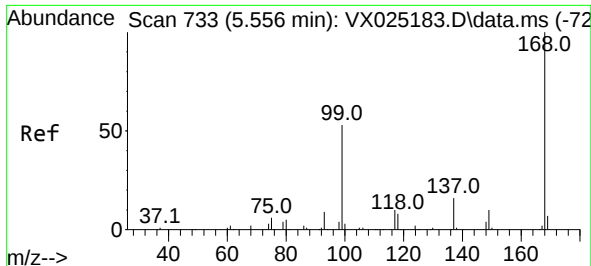
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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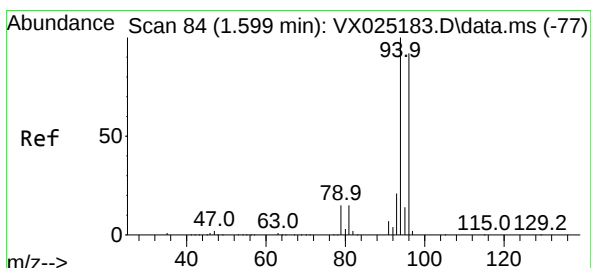
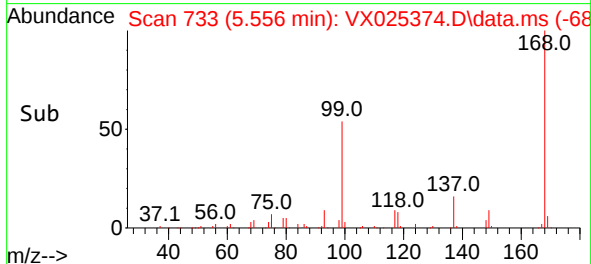
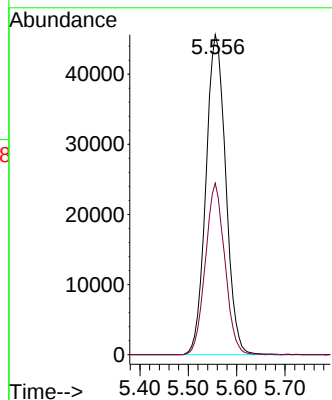
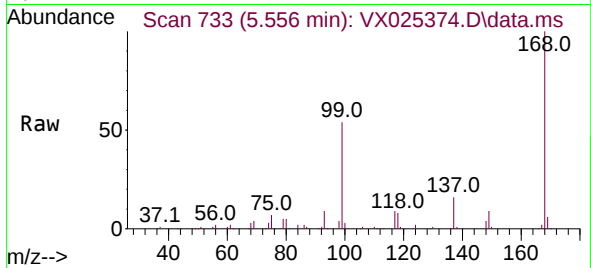




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

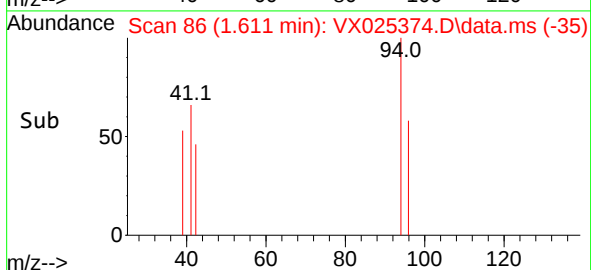
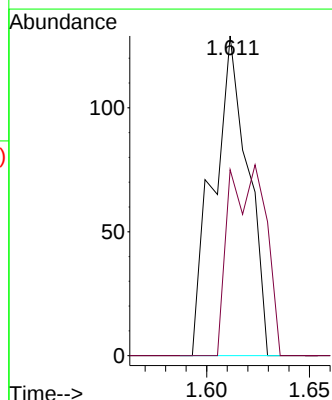
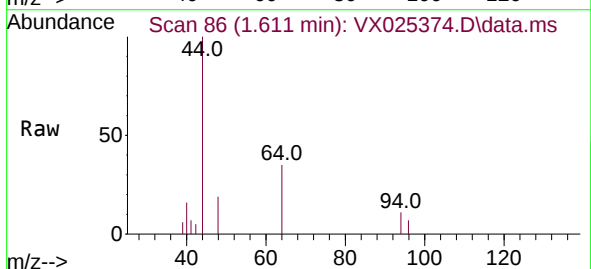
Instrument :
MSVOA_X
ClientSampleId :
20931

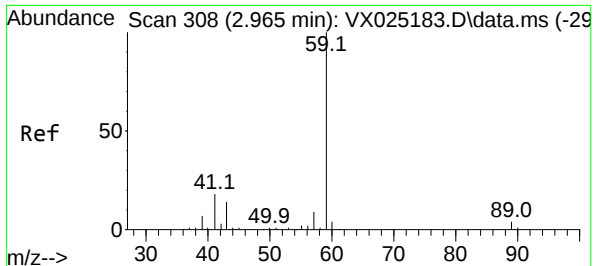
Tgt Ion:168 Resp: 130001
Ion Ratio Lower Upper
168 100
99 53.6 46.4 69.6



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 58.1 74.8 112.2#

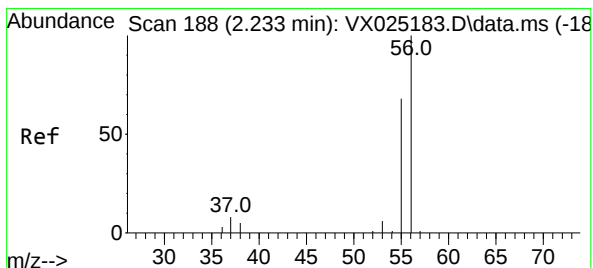
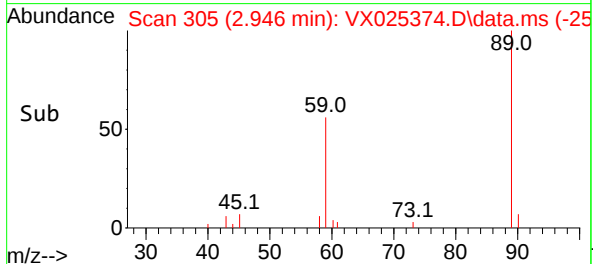
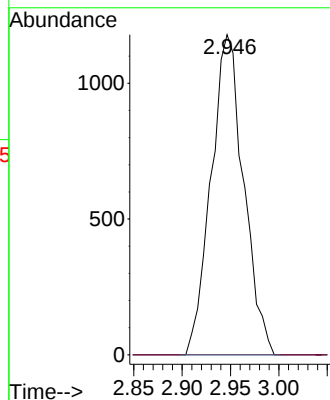
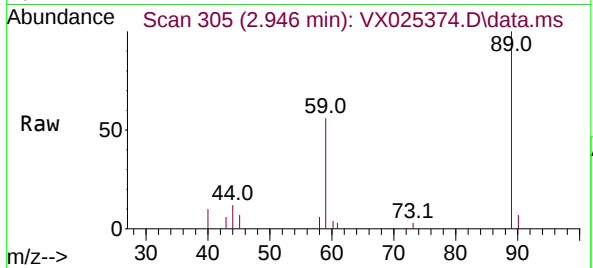




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

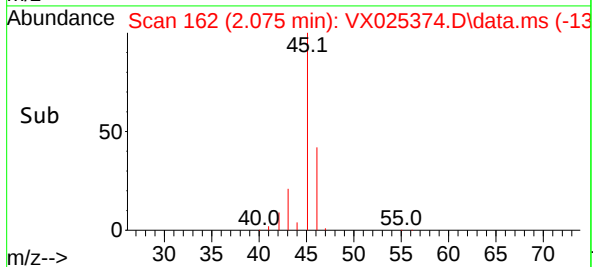
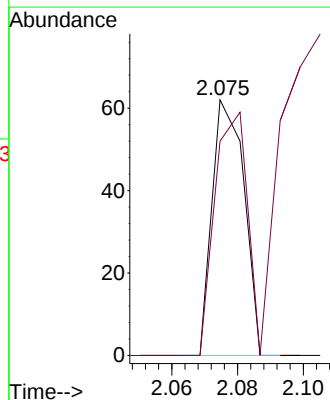
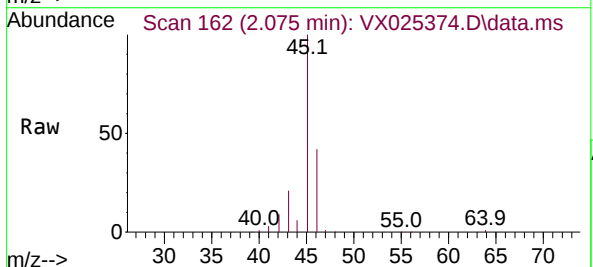
Instrument :
MSVOA_X
ClientSampleId :
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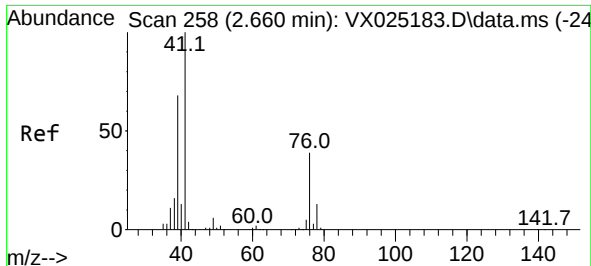
Tgt Ion: 59 Resp: 2760
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.669 ug/l
RT: 2.075 min Scan# 162
Delta R.T. -0.158 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 97.6 58.6 87.8#

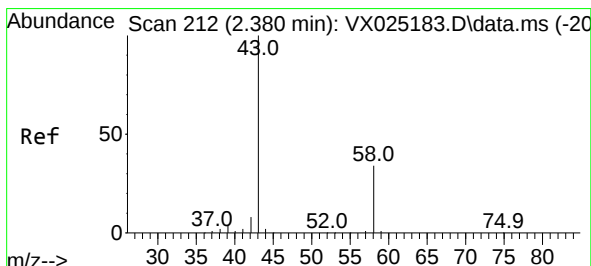
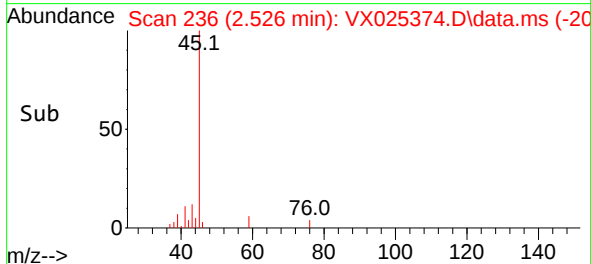
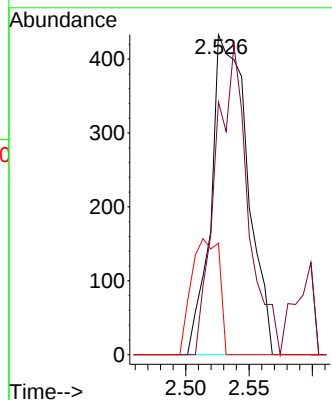
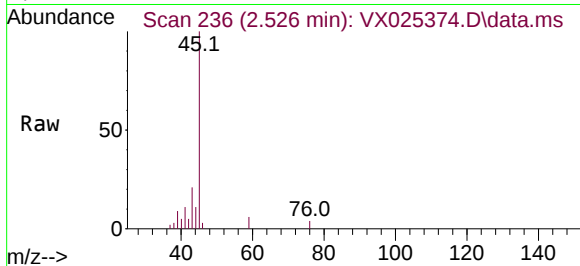




#14
Allyl chloride
Concen: 0.399 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.134 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

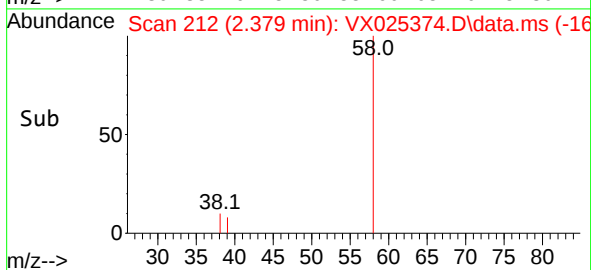
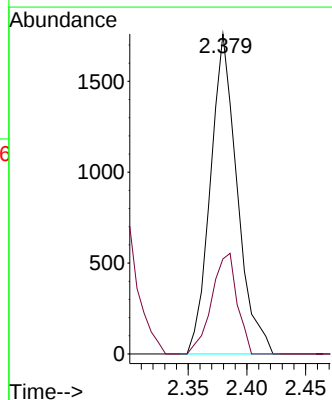
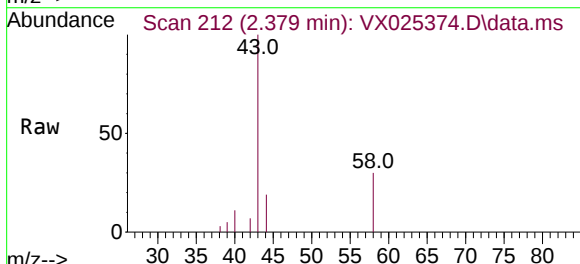
Instrument :
MSVOA_X
ClientSampleId :
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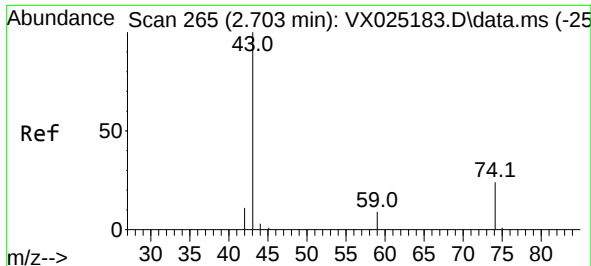
Tgt Ion: 41 Resp: 869
Ion Ratio Lower Upper
41 100
39 86.1 54.6 82.0#
76 0.0 25.3 37.9#



#16
Acetone
Concen: 3.663 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0





#18

Methyl Acetate

Concen: 0.989 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.171 min

Lab File: VX025374.D

Acq: 29 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

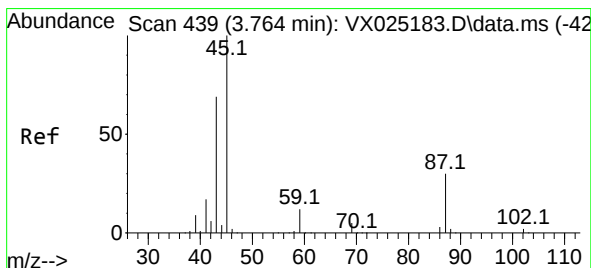
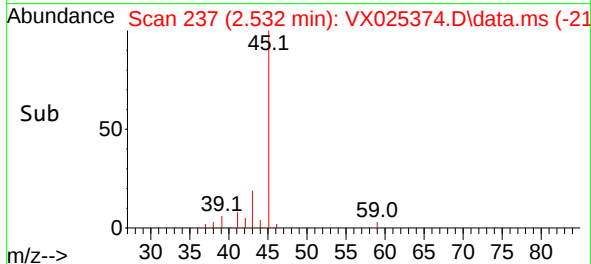
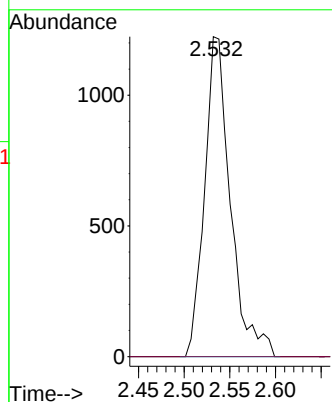
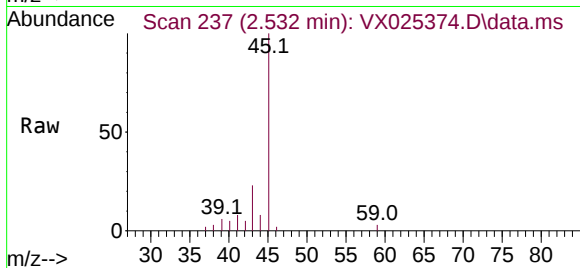
20931

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#



#22

Diisopropyl ether

Concen: 4.762 ug/l

RT: 3.861 min Scan# 455

Delta R.T. 0.097 min

Lab File: VX025374.D

Acq: 29 Nov 2021 16:58

Tgt Ion: 45 Resp: 19776

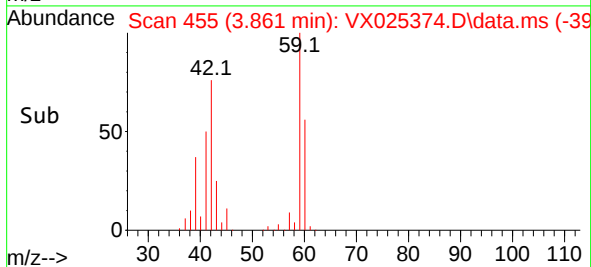
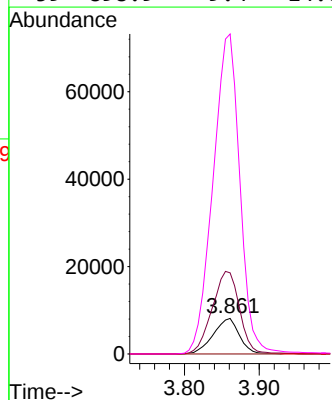
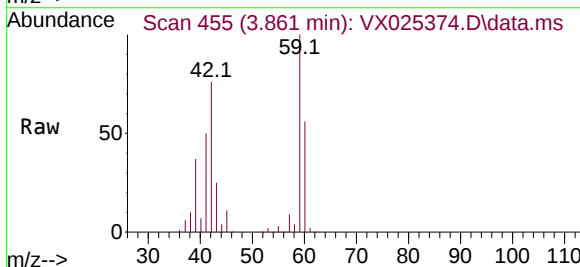
Ion Ratio Lower Upper

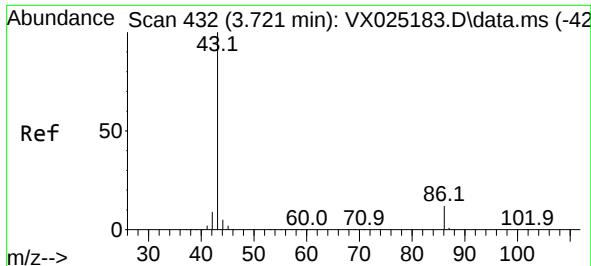
45 100

43 228.0 58.3 87.5#

87 0.0 23.7 35.5#

59 898.9 9.4 14.0#

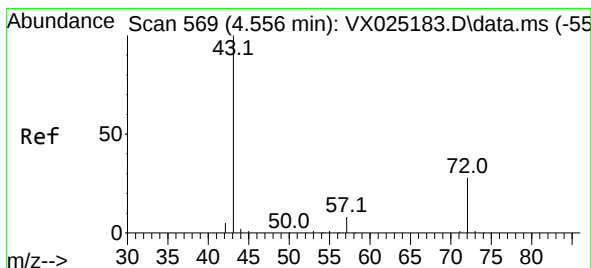
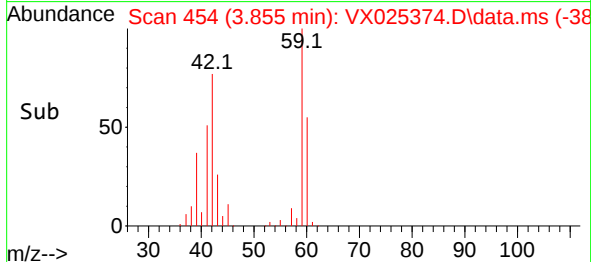
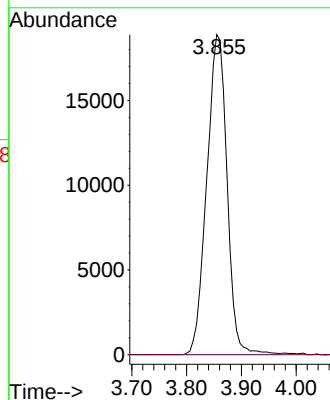
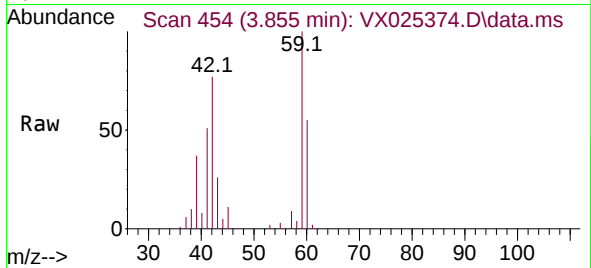




#23
 Vinyl Acetate
 Concen: 14.505 ug/l
 RT: 3.855 min Scan# 41
 Delta R.T. 0.134 min
 Lab File: VX025374.D
 Acq: 29 Nov 2021 16:58

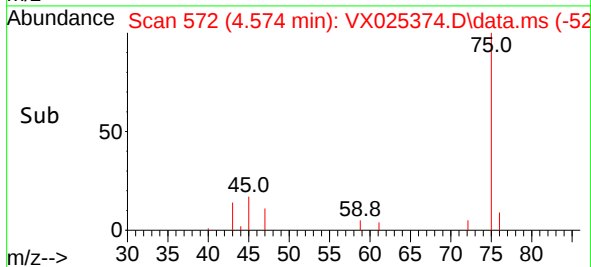
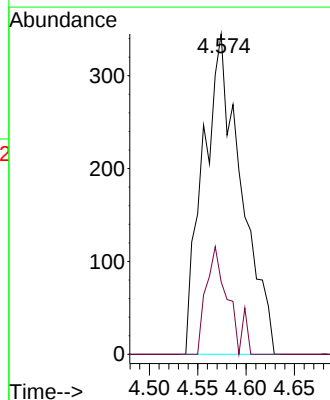
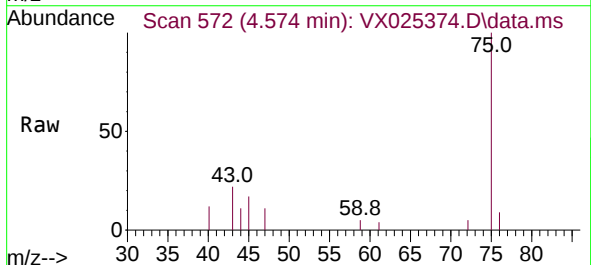
Instrument :
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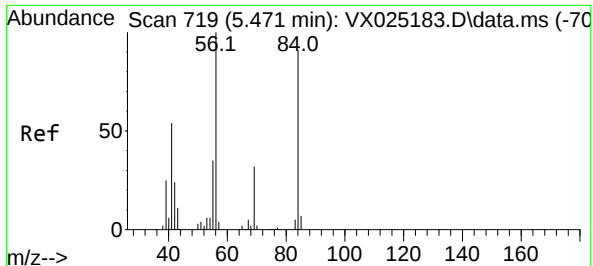
Tgt Ion: 43 Resp: 48385
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 0.853 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX025374.D
 Acq: 29 Nov 2021 16:58

Tgt Ion: 43 Resp: 939
 Ion Ratio Lower Upper
 43 100
 72 22.6 21.2 31.8

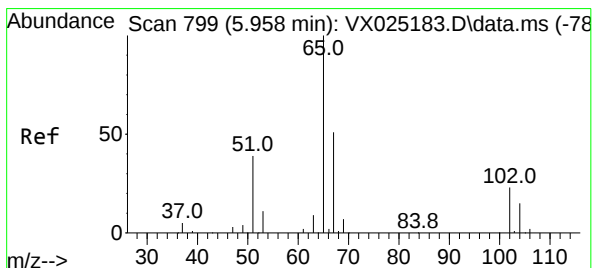
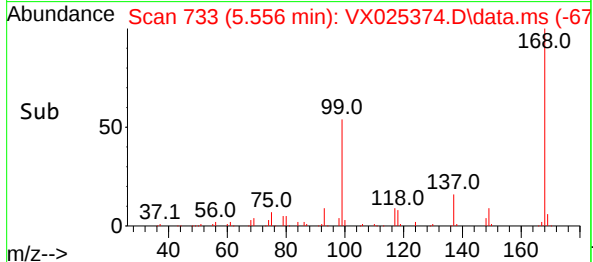
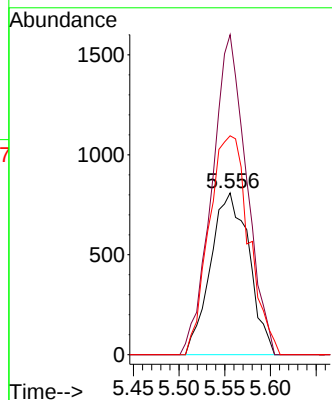
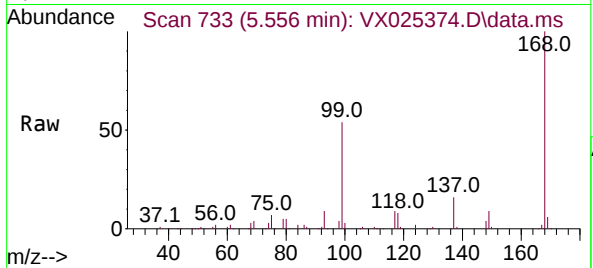




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

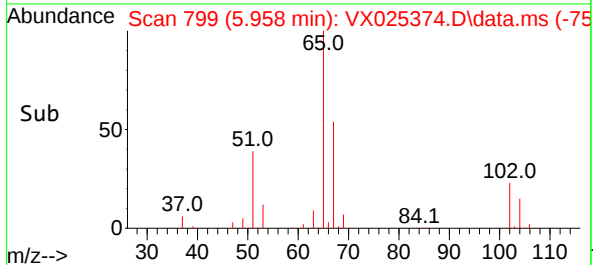
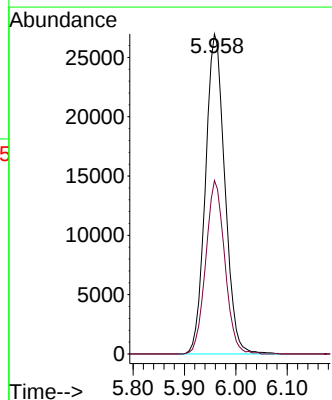
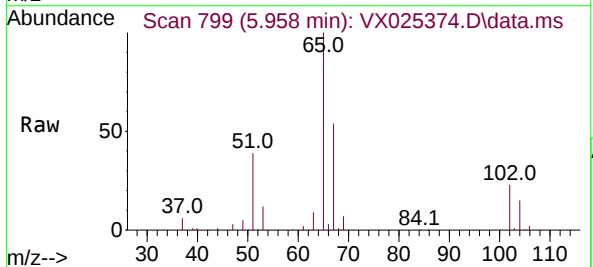
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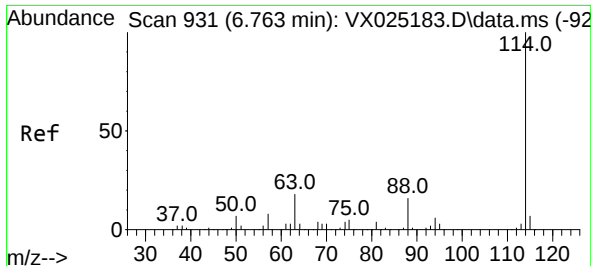
Tgt Ion: 56 Resp: 2368
Ion Ratio Lower Upper
56 100
69 197.9 24.2 36.2#
84 135.4 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 51.568 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 65 Resp: 70664
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.0

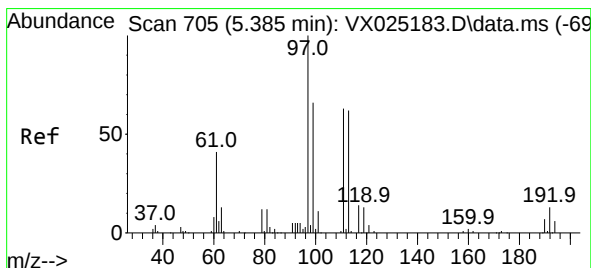
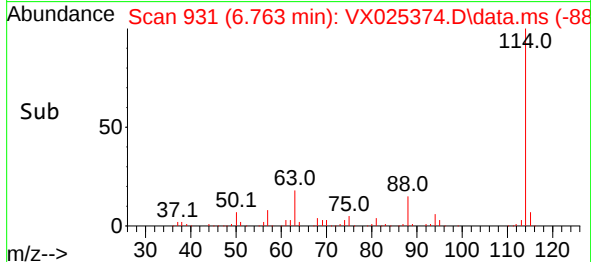
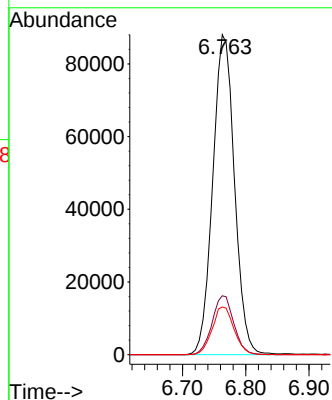
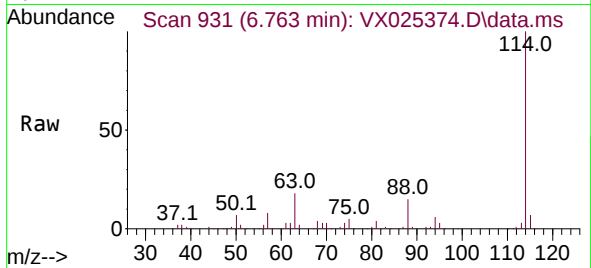




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX025374.D
 Acq: 29 Nov 2021 16:58

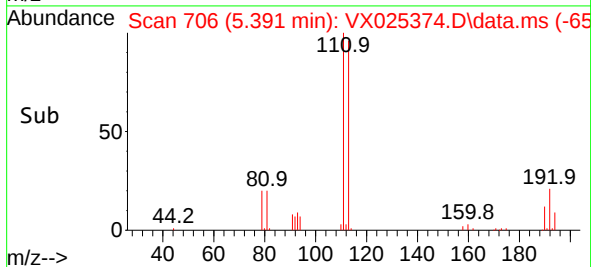
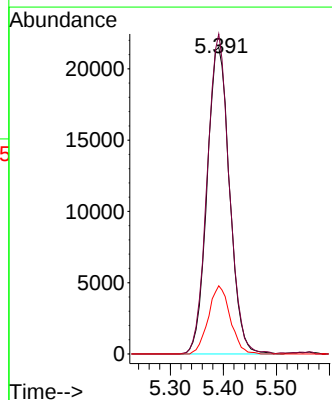
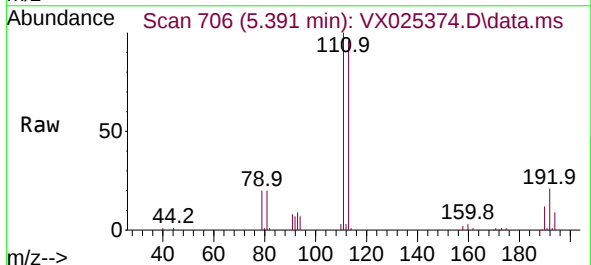
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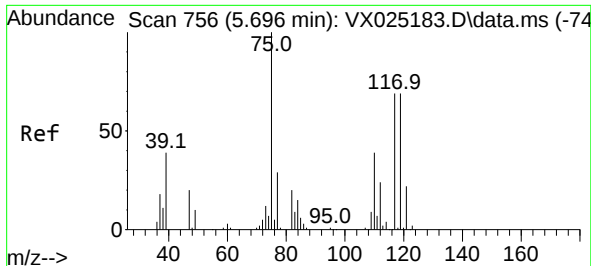
Tgt Ion:114 Resp: 209841
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.0
 88 14.9 0.0 34.8



#35
 Dibromofluoromethane
 Concen: 49.253 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX025374.D
 Acq: 29 Nov 2021 16:58

Tgt Ion:113 Resp: 63414
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.1 123.1
 192 21.5 15.6 23.4

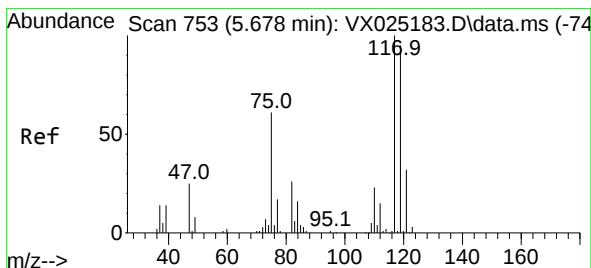
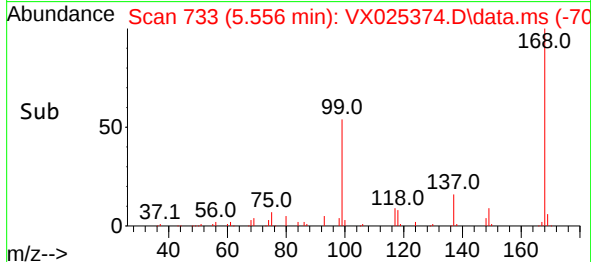
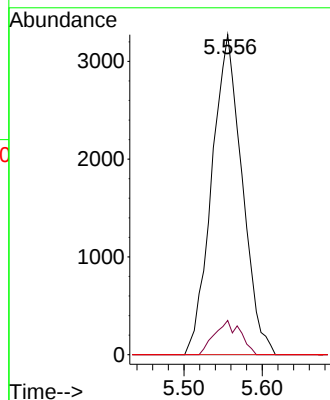
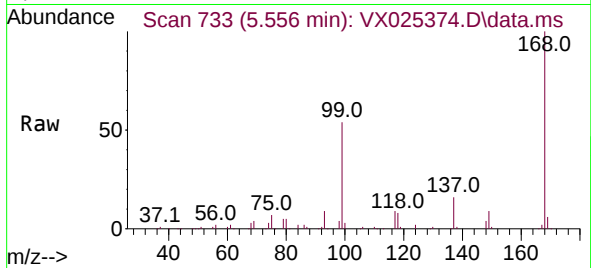




#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

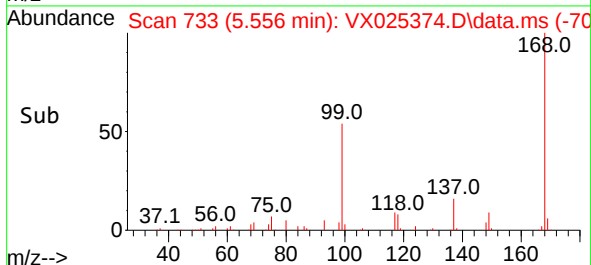
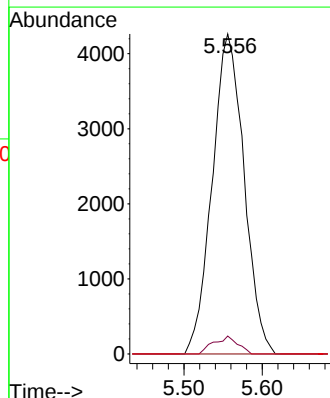
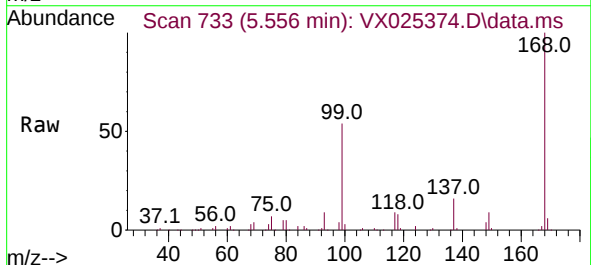
Instrument :
MSVOA_X
ClientSampleId :
20931

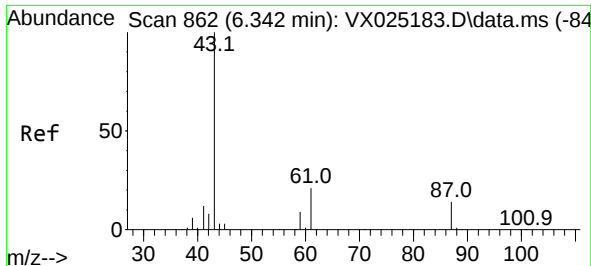
Tgt Ion: 75 Resp: 8832
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.962 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 117 Resp: 12023
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 23.7 35.5#

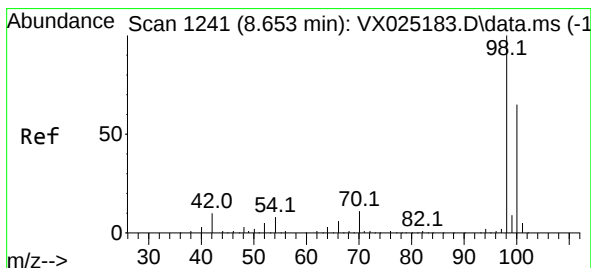
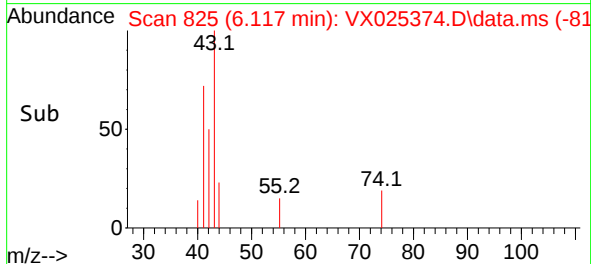
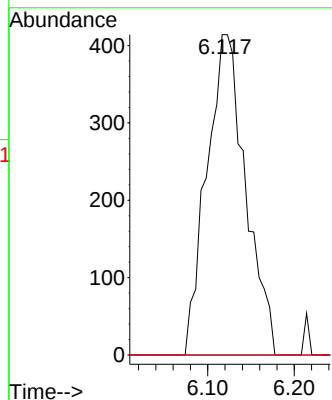
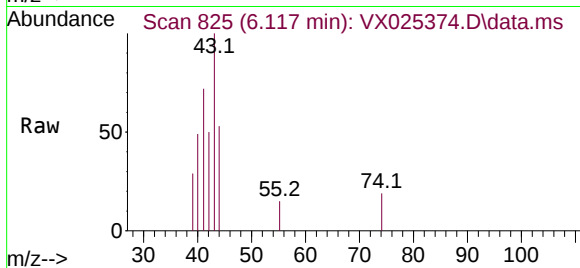




#43
Isopropyl Acetate
Concen: 0.372 ug/l
RT: 6.117 min Scan# 81
Delta R.T. -0.225 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

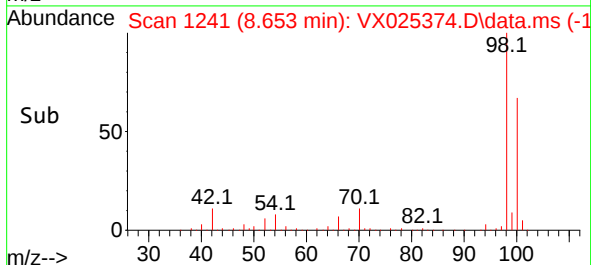
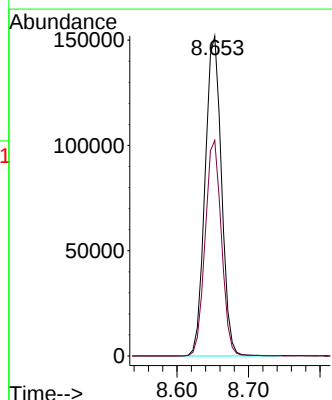
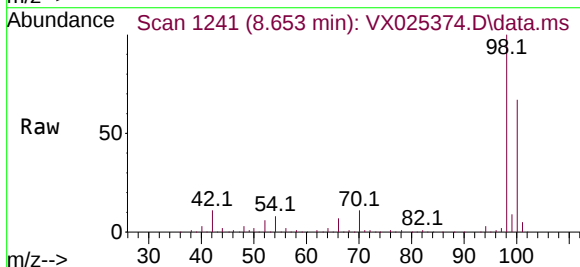
Instrument :
MSVOA_X
ClientSampleId :
20931

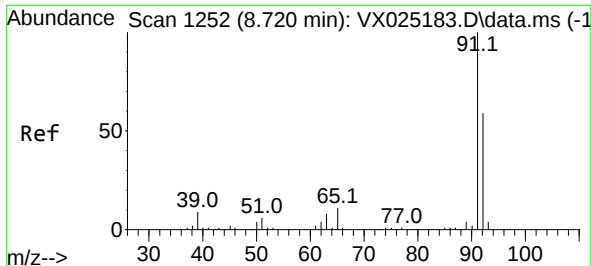
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#



#50
Toluene-d8
Concen: 49.957 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 98 Resp: 241834
Ion Ratio Lower Upper
98 100
100 66.9 51.4 77.0

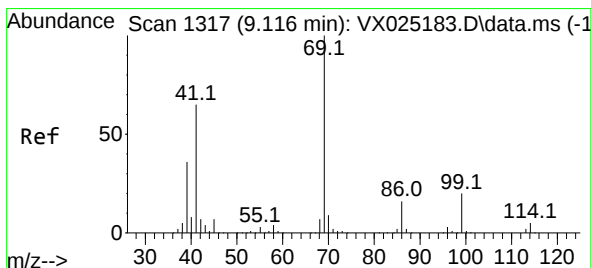
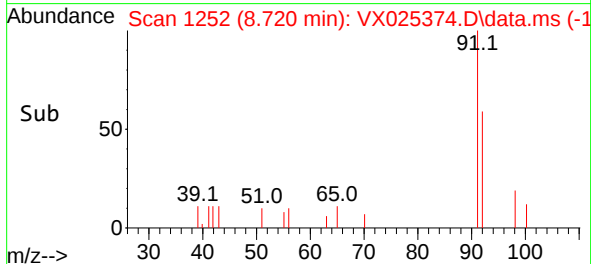
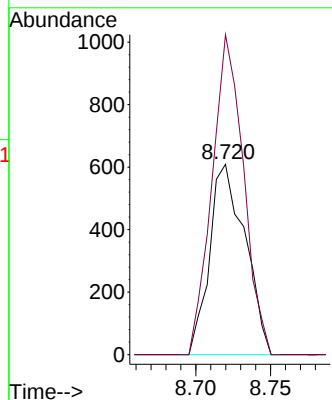
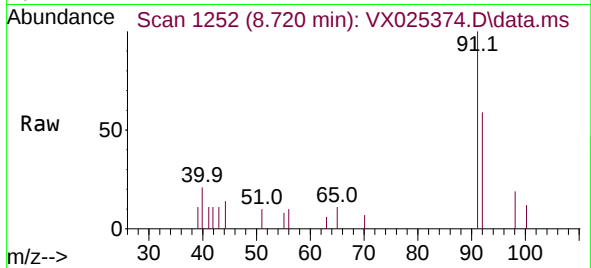




#52
Toluene
Concen: 0.277 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

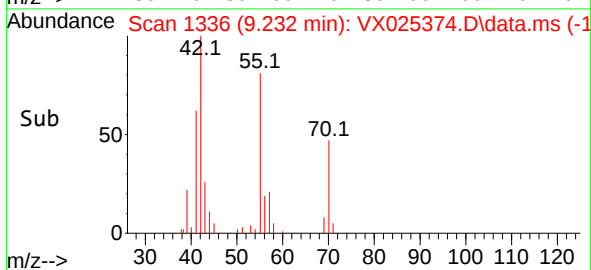
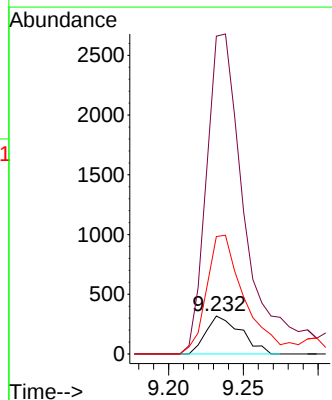
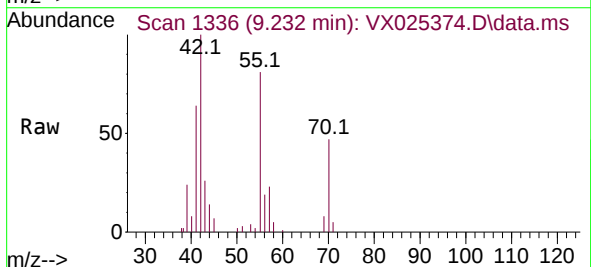
Instrument :
MSVOA_X
ClientSampleId :
20931

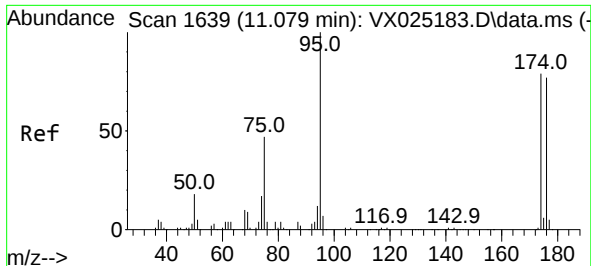
Tgt Ion: 92 Resp: 1003
Ion Ratio Lower Upper
92 100
91 149.7 138.6 208.0



#56
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.116 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 69 Resp: 519
Ion Ratio Lower Upper
69 100
41 947.4 55.3 82.9#
39 345.3 30.2 45.4#

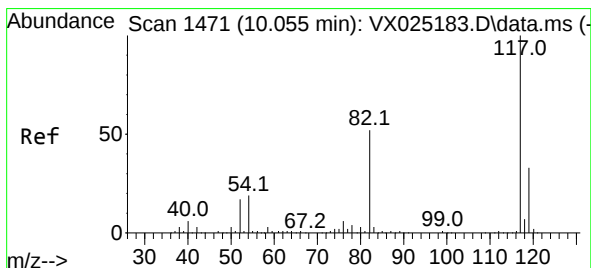
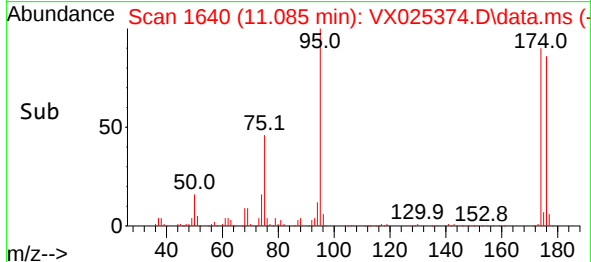
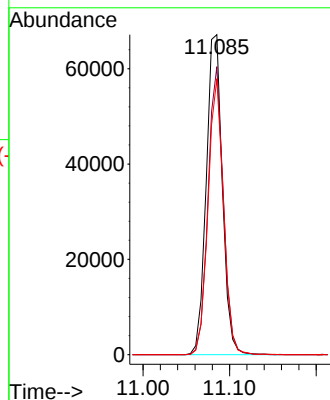
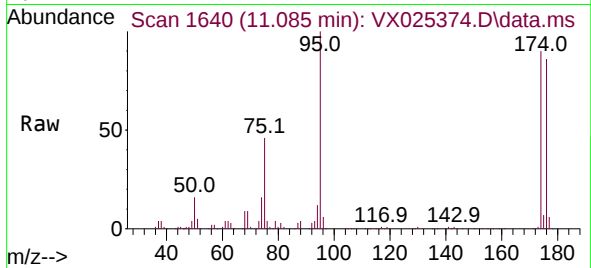




#62
4-Bromofluorobenzene
Concen: 47.374 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.006 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

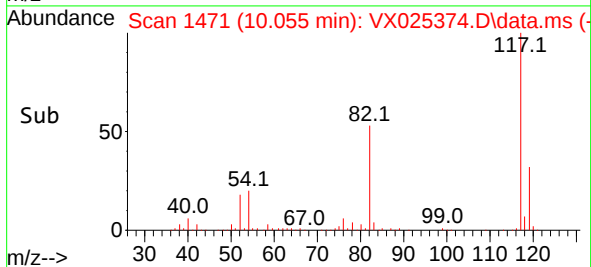
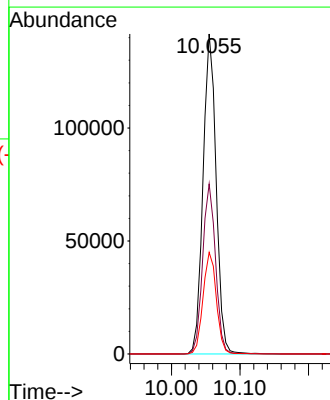
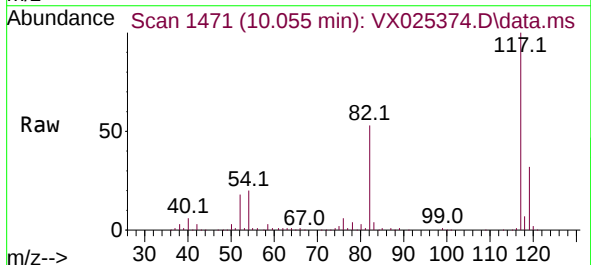
Instrument :
MSVOA_X
ClientSampleId :
20931

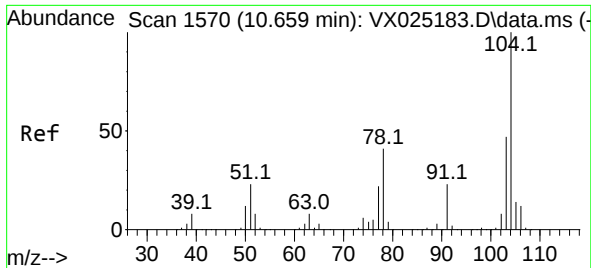
Tgt Ion: 95 Resp: 86758
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.0
176 82.7 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 117 Resp: 188598
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 31.7 24.8 37.2

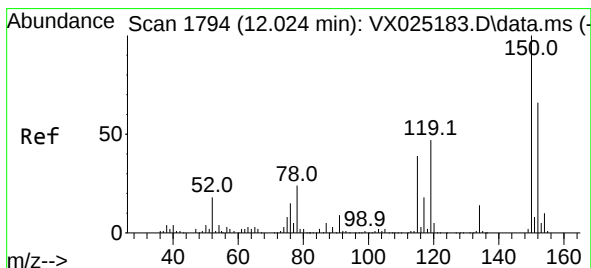
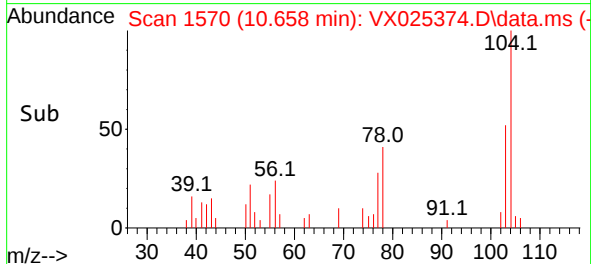
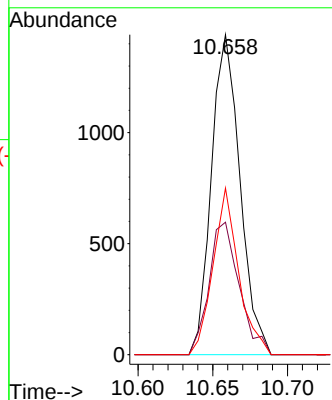
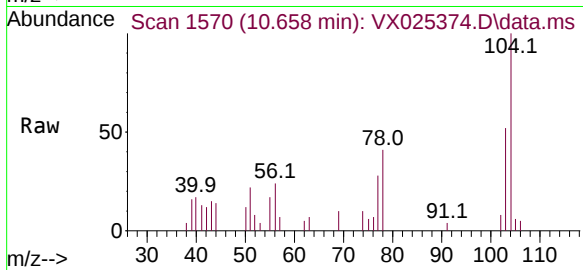




#70
Styrene
Concen: 0.437 ug/l
RT: 10.658 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

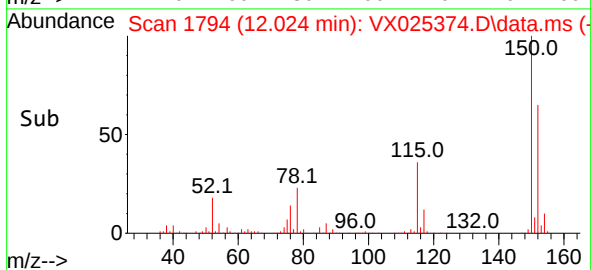
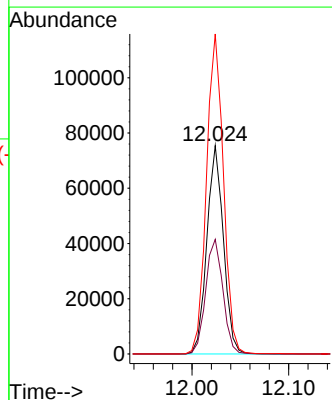
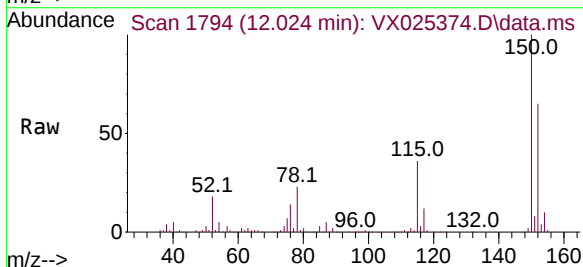
Instrument :
MSVOA_X
ClientSampleId :
20931

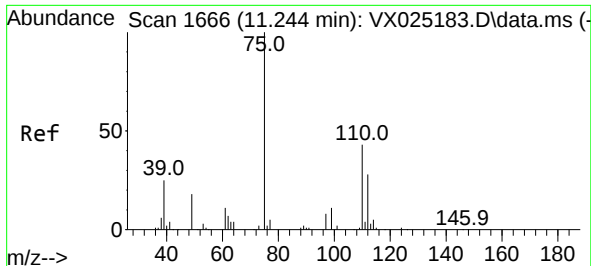
Tgt Ion:104 Resp: 1916
Ion Ratio Lower Upper
104 100
78 43.9 41.3 61.9
103 46.8 43.5 65.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion:152 Resp: 89743
Ion Ratio Lower Upper
152 100
115 57.4 43.3 129.8
150 157.4 0.0 351.2

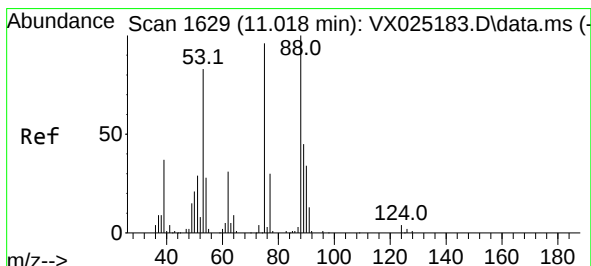
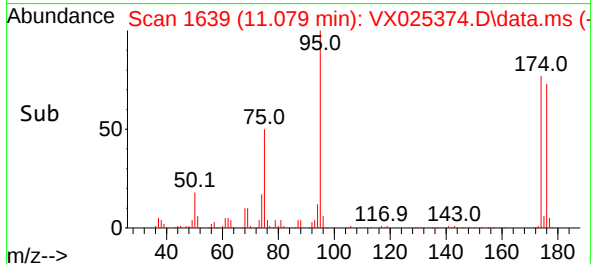
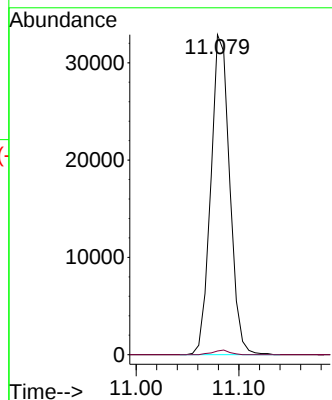
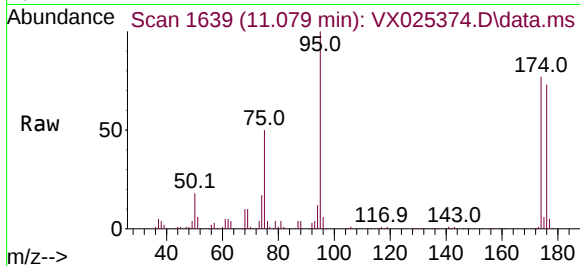




#76
1,2,3-Trichloropropane
Concen: 22.802 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

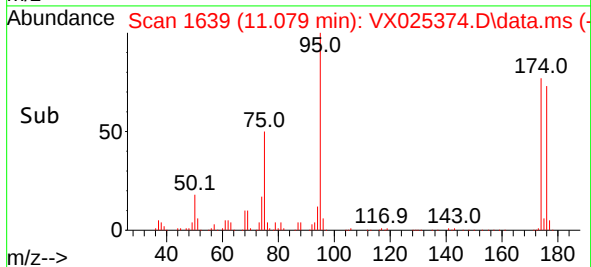
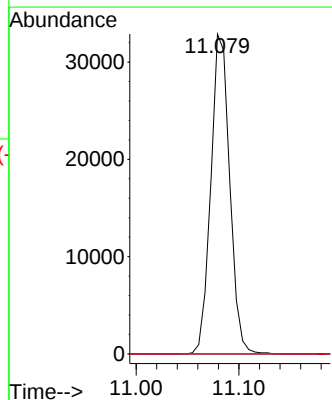
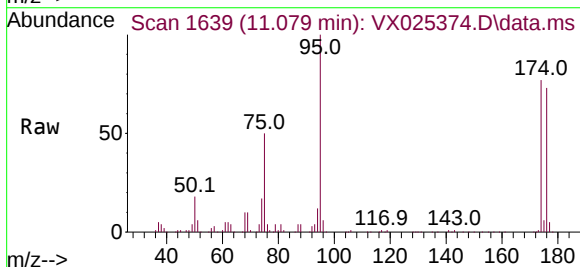
Instrument :
MSVOA_X
ClientSampleId :
20931

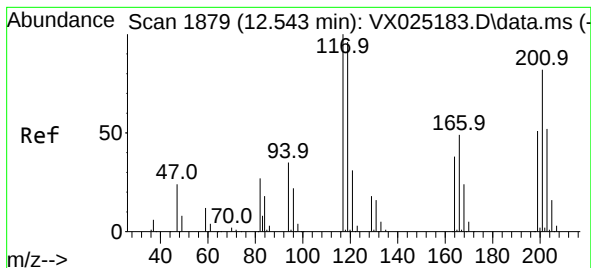
Tgt Ion: 75 Resp: 41904
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025374.D
Acq: 29 Nov 2021 16:58

Tgt Ion: 75 Resp: 41904
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 0.468 ug/l

RT: 12.414 min Scan# 11

Delta R.T. -0.129 min

Lab File: VX025374.D

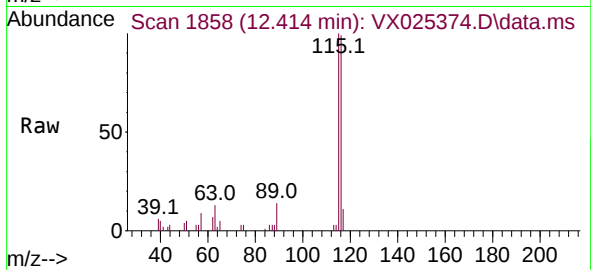
Acq: 29 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

20931



Tgt Ion:117 Resp: 492

Ion Ratio Lower Upper

117 100

201 0.0 38.9 116.6#

