

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029009.D
 Acq On : 26 May 2022 19:09
 Operator : JC/MD
 Sample : N3053-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 52322-G

Quant Time: May 27 07:36:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

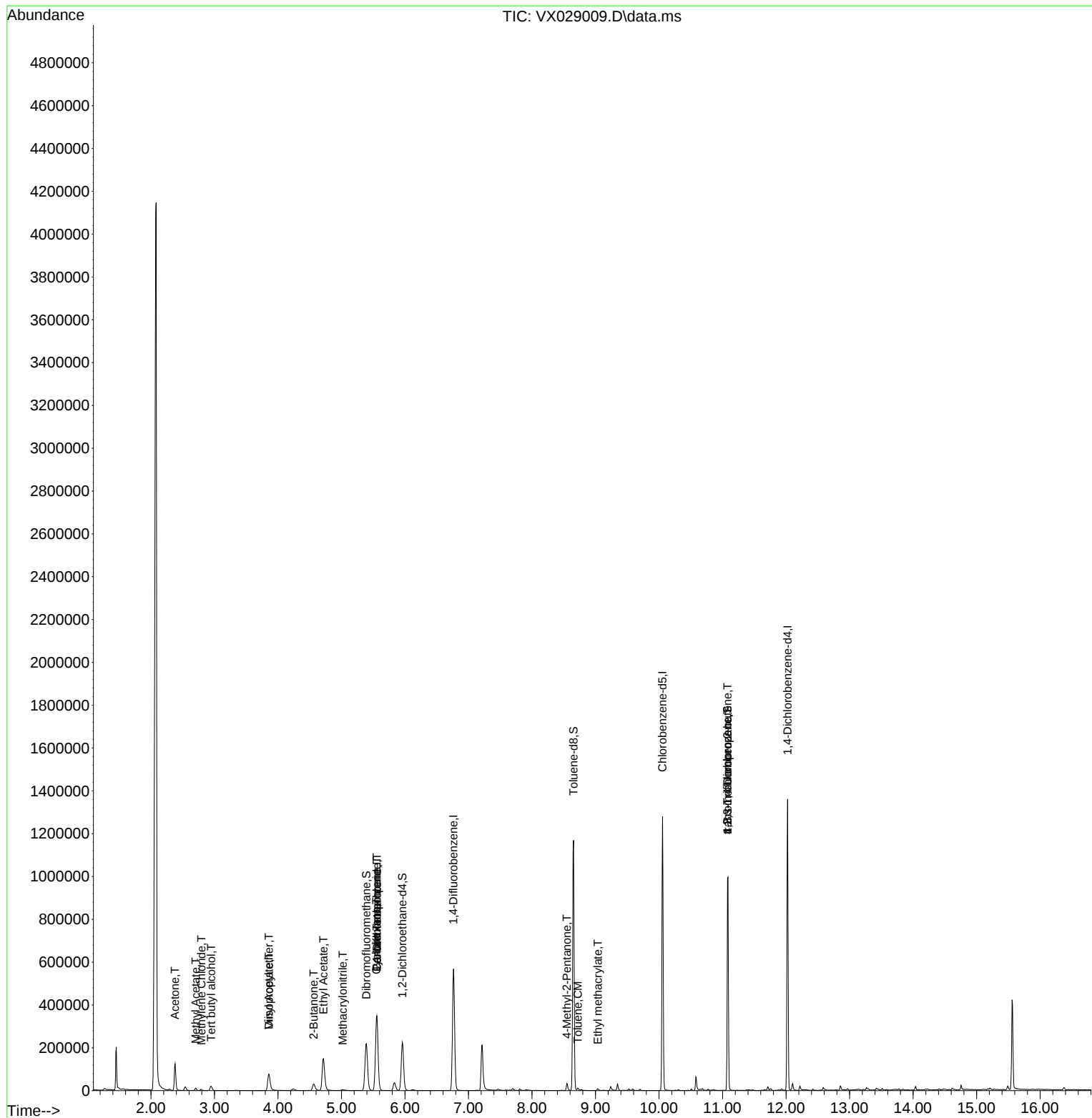
Internal Standards						
1) Pentafluorobenzene	5.556	168	334184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	593265	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	280740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	221650	48.386	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 96.780%			
35) Dibromofluoromethane	5.391	113	195212	50.222	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.440%			
50) Toluene-d8	8.653	98	708450	48.343	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.680%			
62) 4-Bromofluorobenzene	11.079	95	284827	52.036	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.080%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	855	Below Cal		92
6) Chloroethane	1.697	64	354	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	13017	5.589	ug/l #	79
16) Acetone	2.380	43	129204	65.719	ug/l	93
18) Methyl Acetate	2.703	43	12908	2.621	ug/l	97
20) Methylene Chloride	2.794	84	2798	0.678	ug/l	92
22) Diisopropyl ether	3.855	45	5868	0.495	ug/l #	1
23) Vinyl Acetate	3.855	43	13061	1.278	ug/l #	66
25) 2-Butanone	4.562	43	46869	15.188	ug/l	94
31) Cyclohexane	5.550	56	6401	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	25413	4.353	ug/l #	46
37) Ethyl Acetate	4.714	43	251508	41.245	ug/l	99
38) Carbon Tetrachloride	5.556	117	34158	5.814	ug/l #	16
41) Methacrylonitrile	5.019	41	1549	0.474	ug/l #	26
51) 4-Methyl-2-Pentanone	8.549	43	13266	2.111	ug/l #	31
52) Toluene	8.720	92	3342	0.310	ug/l	100
56) Ethyl methacrylate	9.037	69	1633	0.245	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	138736	21.102	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	138736	61.949	ug/l #	15

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

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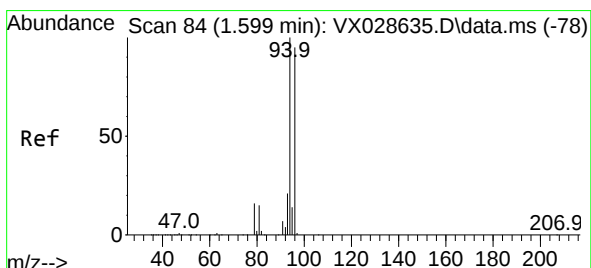
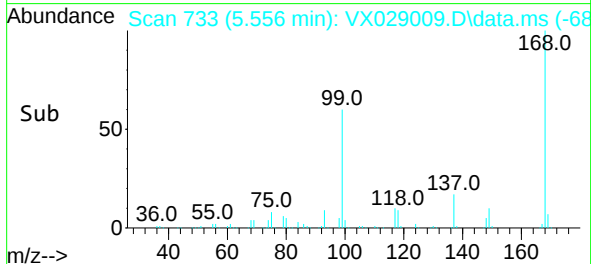
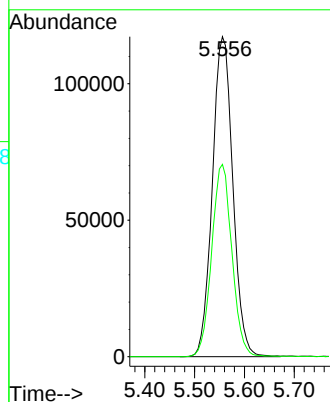
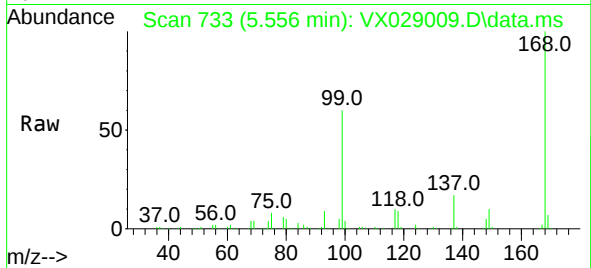




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

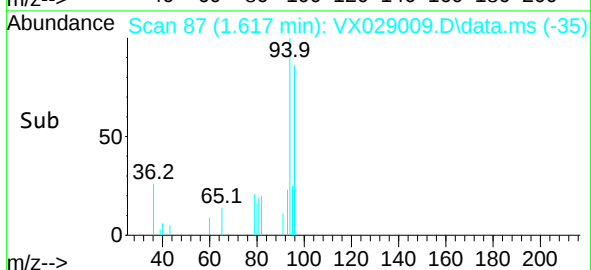
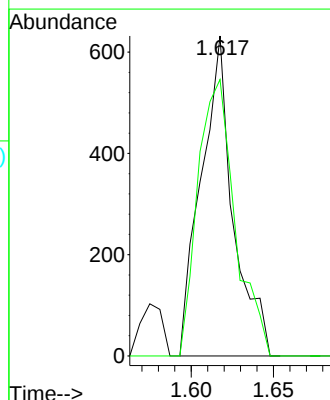
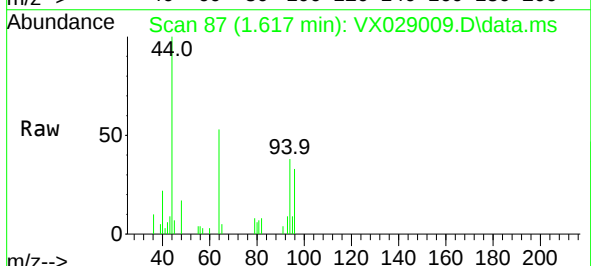
Instrument :
MSVOA_X
ClientSampleId :
52322-G

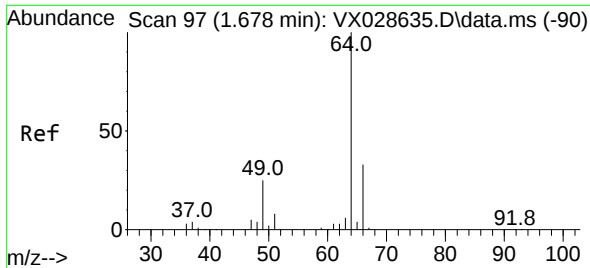
Tgt Ion:168 Resp: 334184
Ion Ratio Lower Upper
168 100
99 60.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 94 Resp: 855
Ion Ratio Lower Upper
94 100
96 86.4 75.3 112.9

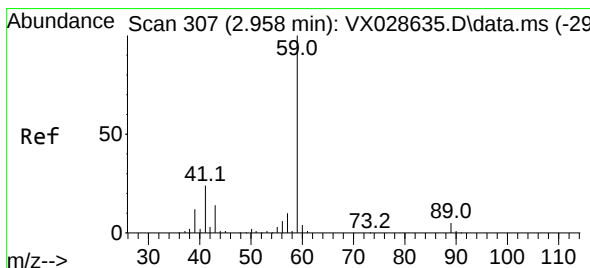
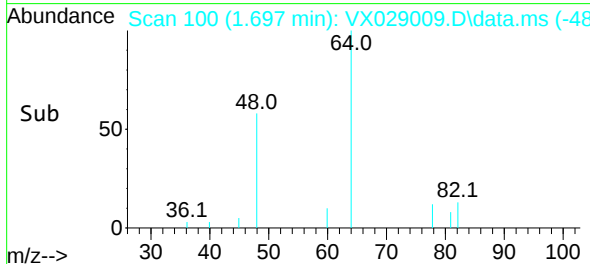
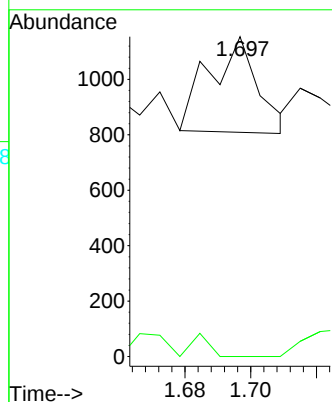
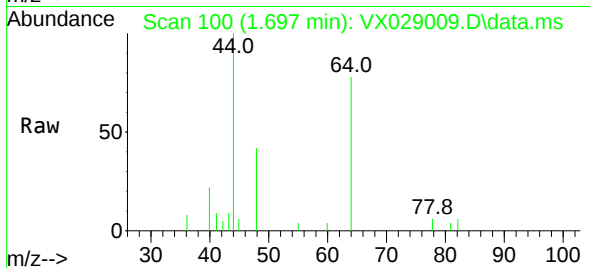




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.019 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

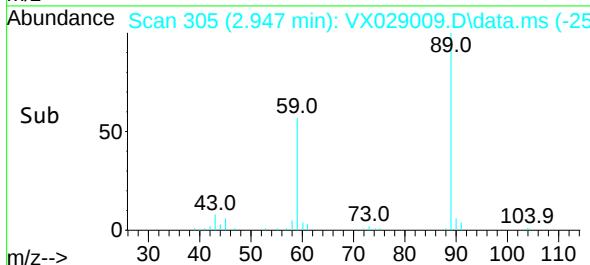
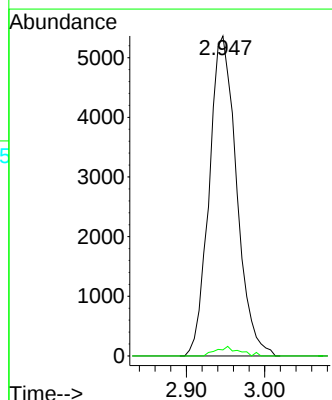
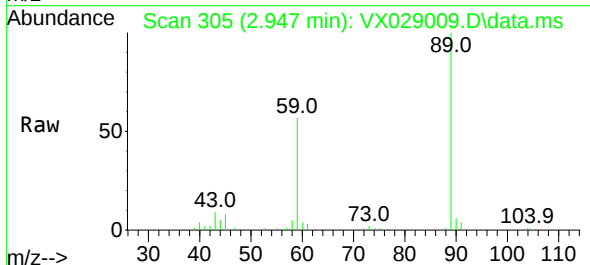
Instrument :
MSVOA_X
ClientSampleId :
52322-G

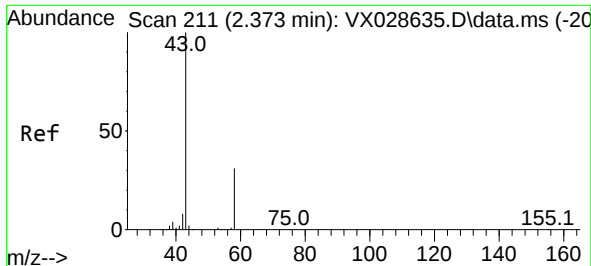
Tgt Ion: 64 Resp: 354
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 5.589 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 59 Resp: 13017
Ion Ratio Lower Upper
59 100
57 2.5 8.3 12.5#

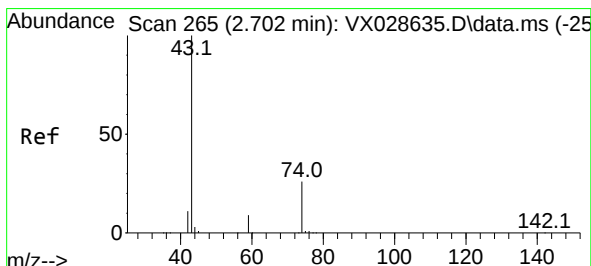
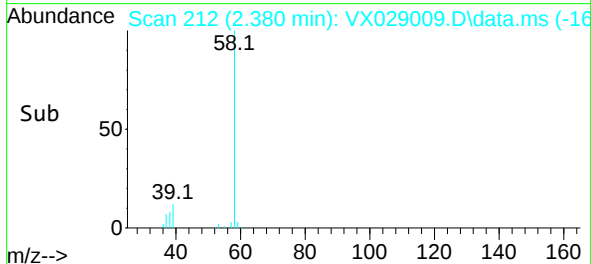
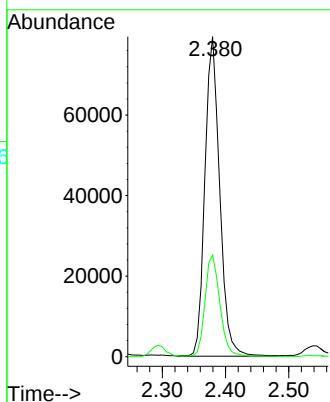
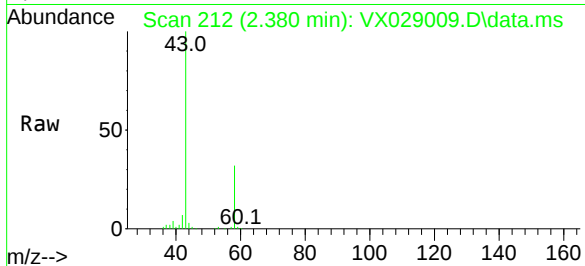




#16
Acetone
Concen: 65.719 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

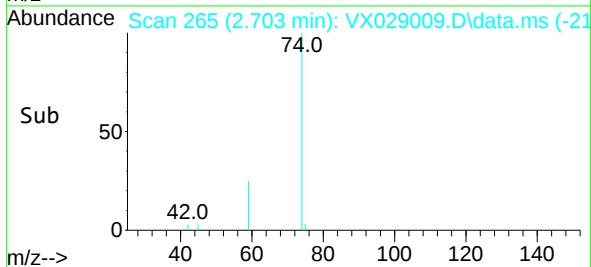
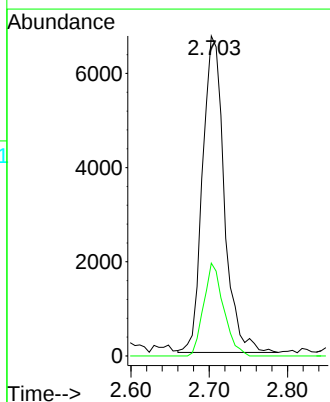
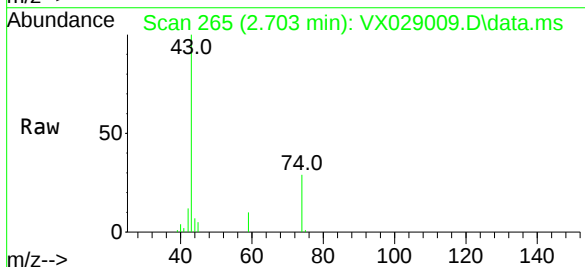
Instrument :
MSVOA_X
ClientSampleId :
52322-G

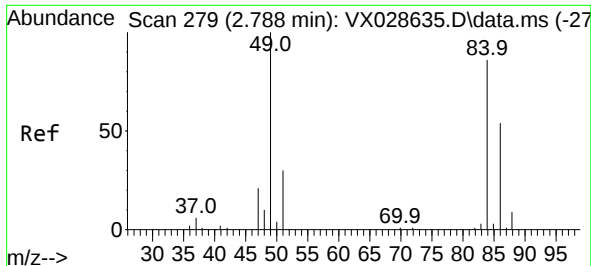
Tgt Ion: 43 Resp: 129204
Ion Ratio Lower Upper
43 100
58 31.7 28.8 43.2



#18
Methyl Acetate
Concen: 2.621 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 43 Resp: 12908
Ion Ratio Lower Upper
43 100
74 27.0 22.8 34.2





#20

Methylene Chloride

Concen: 0.678 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029009.D

Acq: 26 May 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

52322-G

Tgt Ion: 84 Resp: 2798

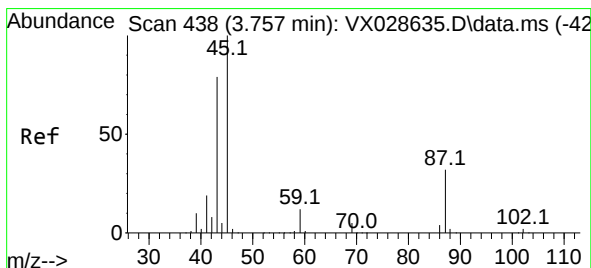
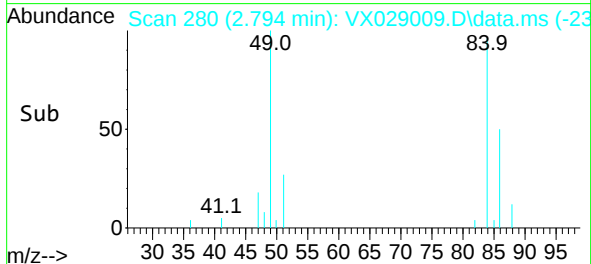
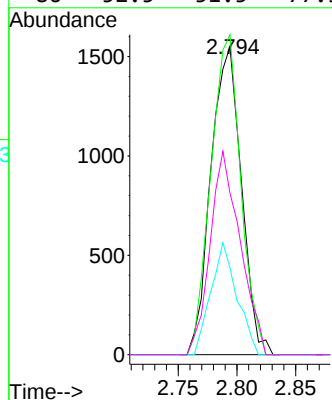
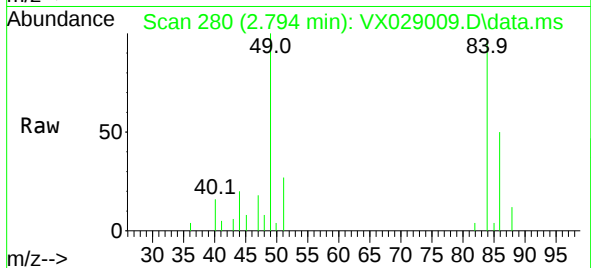
Ion Ratio Lower Upper

84 100

49 103.9 85.5 128.3

51 28.2 26.6 39.8

86 52.5 51.5 77.3



#22

Diisopropyl ether

Concen: 0.495 ug/l

RT: 3.855 min Scan# 454

Delta R.T. 0.098 min

Lab File: VX029009.D

Acq: 26 May 2022 19:09

Tgt Ion: 45 Resp: 5868

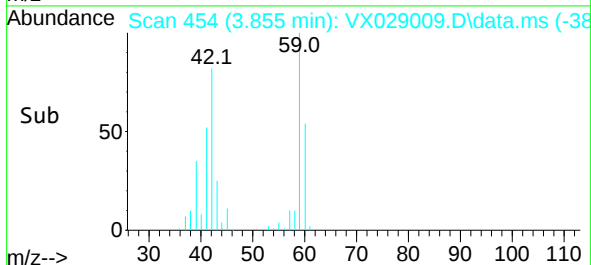
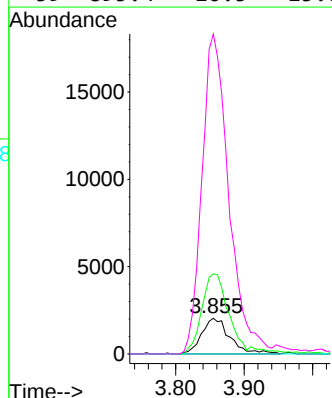
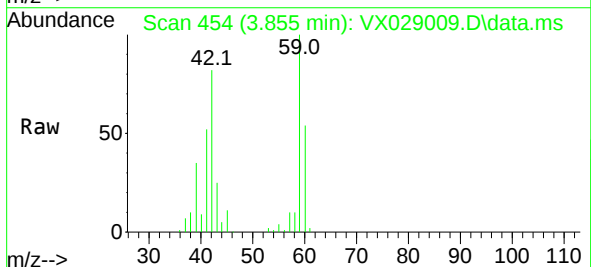
Ion Ratio Lower Upper

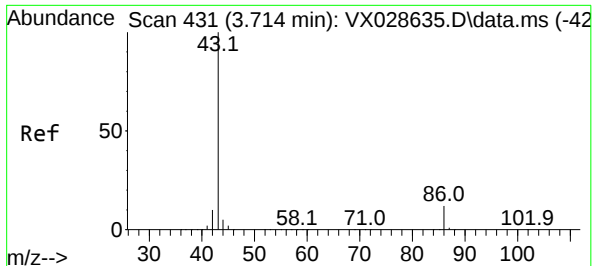
45 100

43 224.3 50.8 76.2#

87 0.0 26.6 39.8#

59 895.4 10.5 15.7#

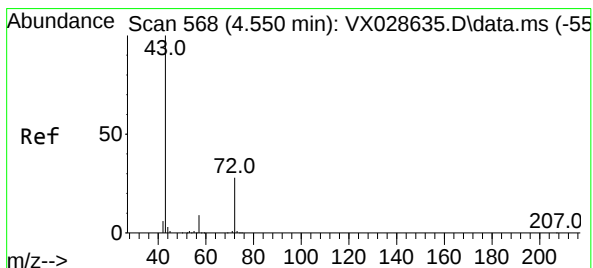
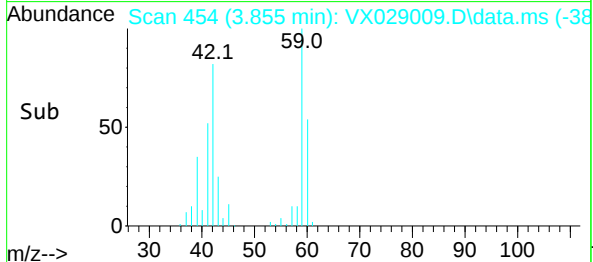
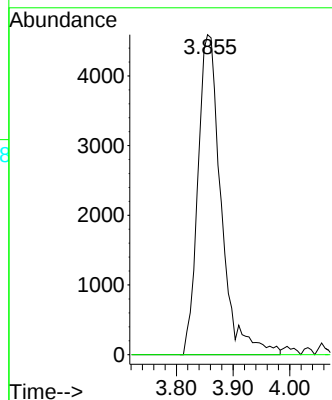
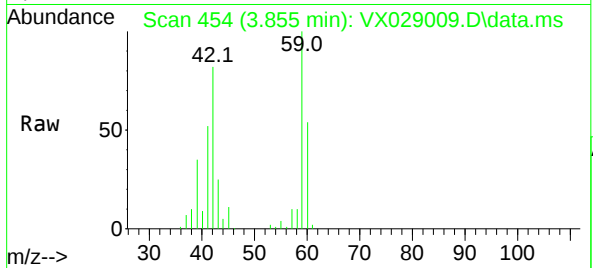




#23
 Vinyl Acetate
 Concen: 1.278 ug/l
 RT: 3.855 min Scan# 41
 Delta R.T. 0.141 min
 Lab File: VX029009.D
 Acq: 26 May 2022 19:09

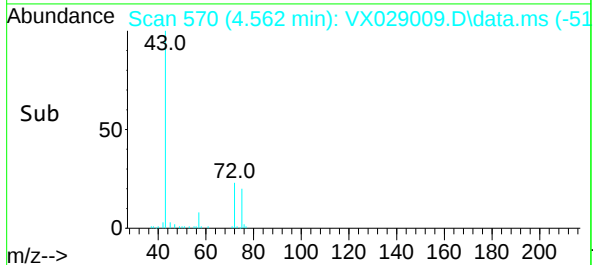
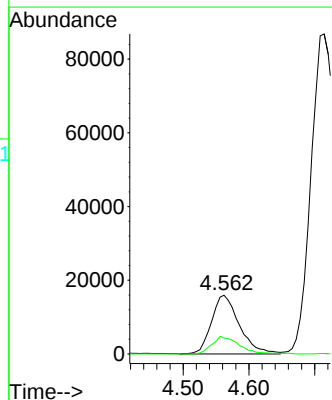
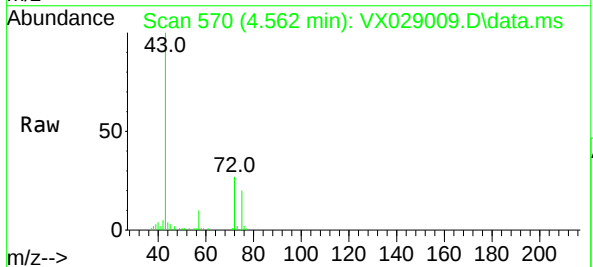
Instrument :
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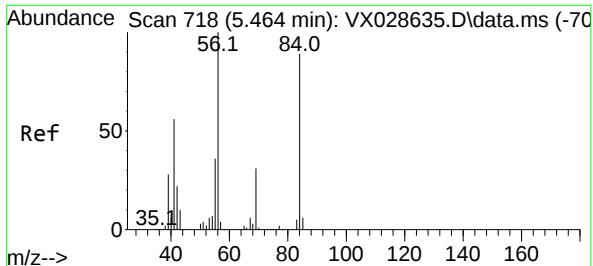
Tgt Ion: 43 Resp: 13061
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#25
 2-Butanone
 Concen: 15.188 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: VX029009.D
 Acq: 26 May 2022 19:09

Tgt Ion: 43 Resp: 46869
 Ion Ratio Lower Upper
 43 100
 72 27.1 24.4 36.6

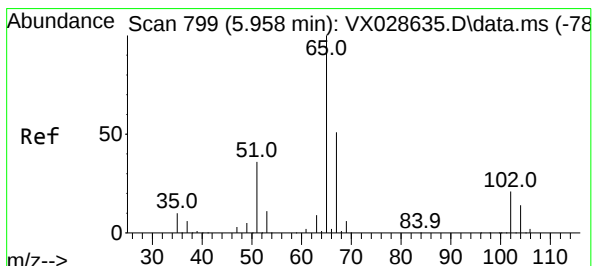
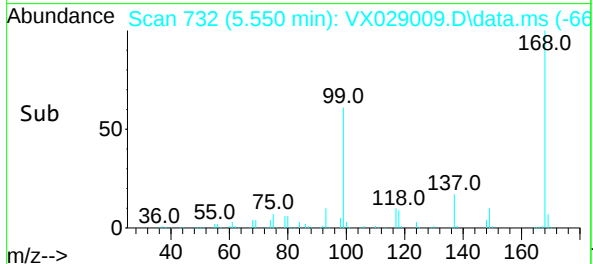
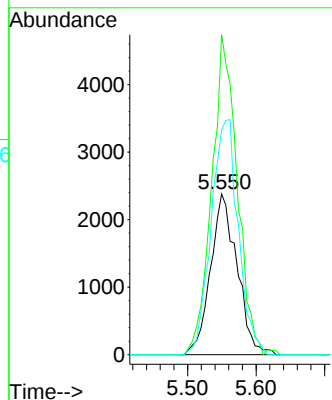
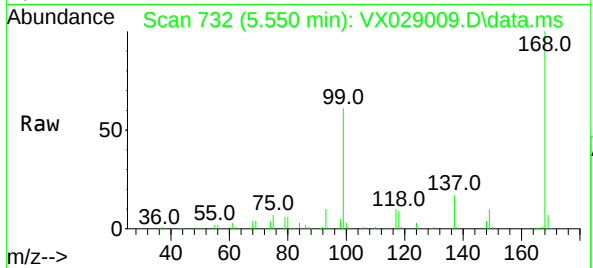




#31
Cyclohexane
Concen: 1.007 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

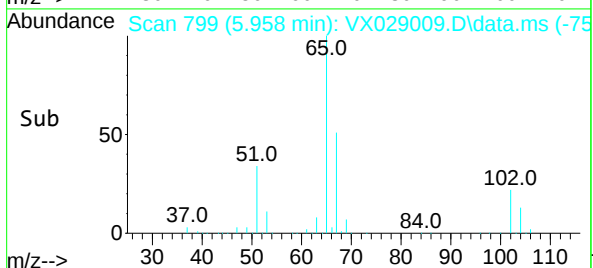
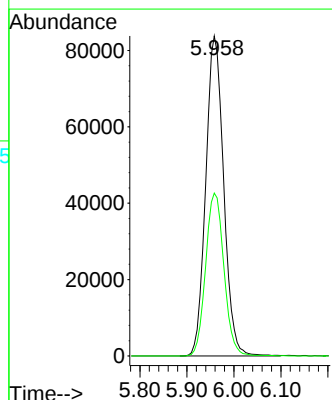
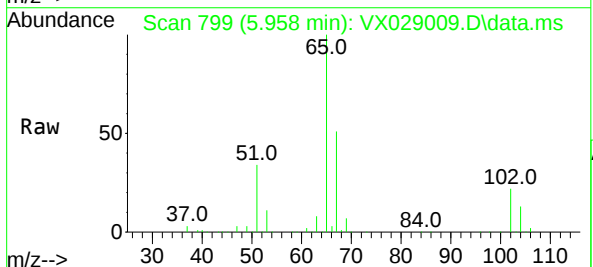
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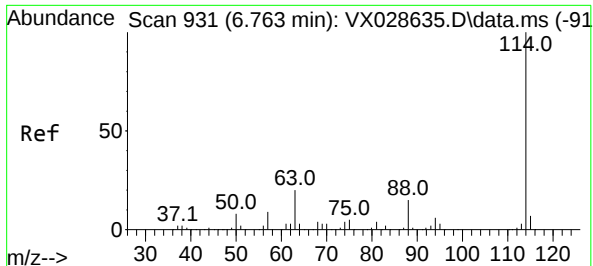
Tgt Ion: 56 Resp: 6401
Ion Ratio Lower Upper
56 100
69 199.3 26.7 40.1#
84 139.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.386 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 65 Resp: 221650
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

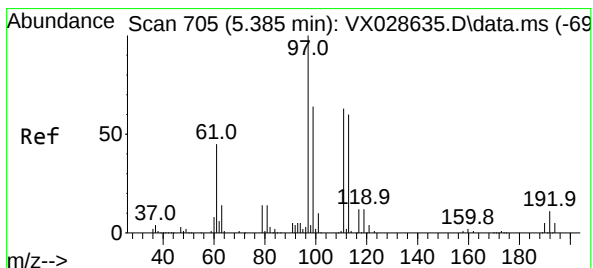
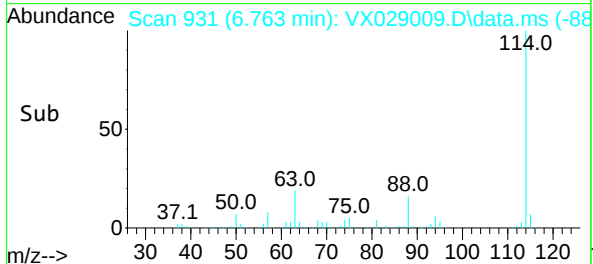
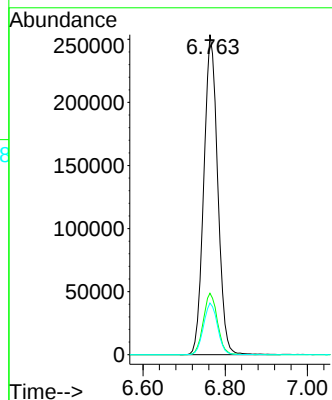
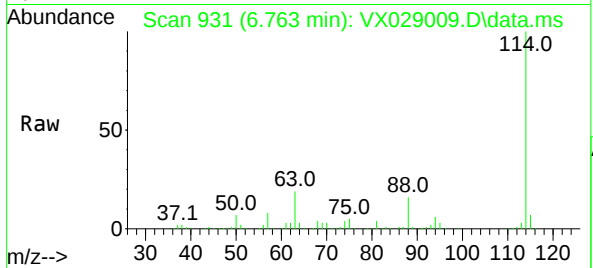




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

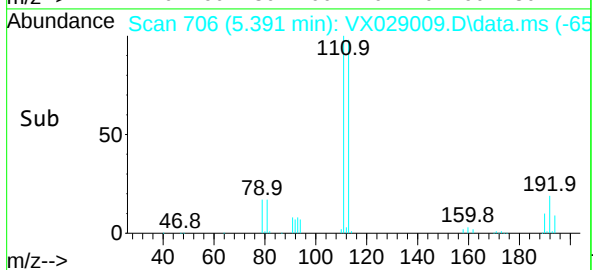
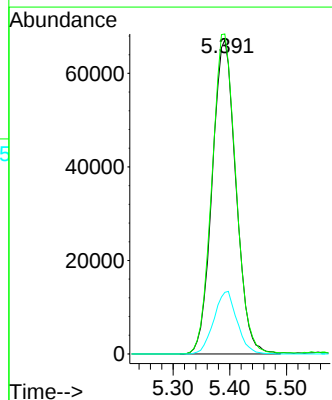
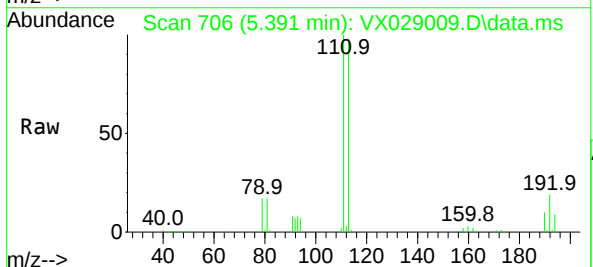
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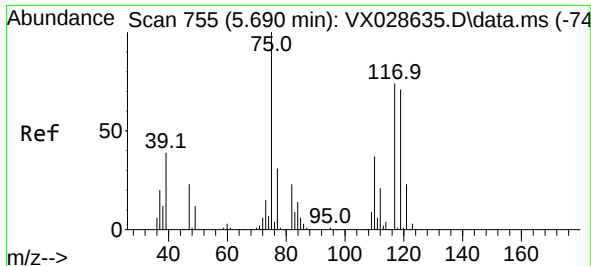
Tgt Ion:114 Resp: 593265
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.222 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion:113 Resp: 195212
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.353 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX029009.D

Acq: 26 May 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

52322-G

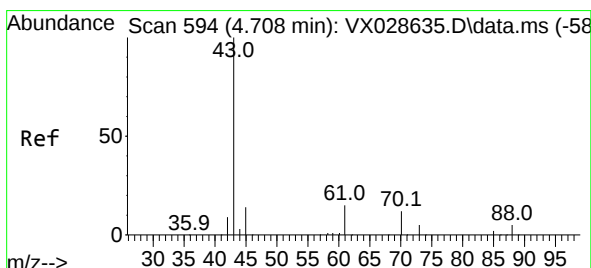
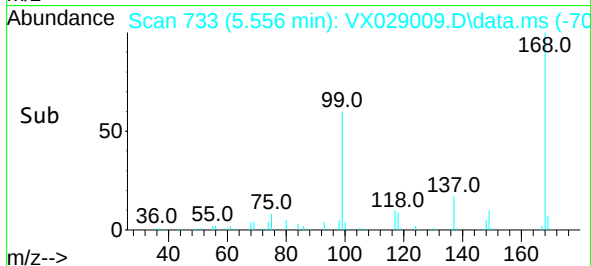
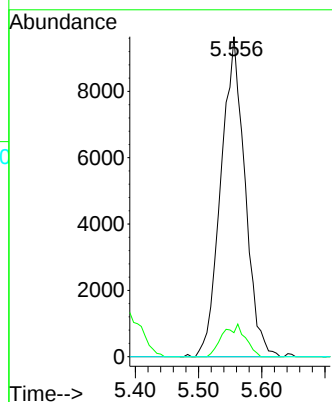
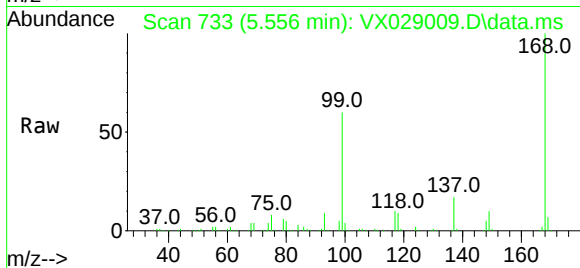
Tgt Ion: 75 Resp: 25413

Ion Ratio Lower Upper

75 100

110 5.5 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 41.245 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX029009.D

Acq: 26 May 2022 19:09

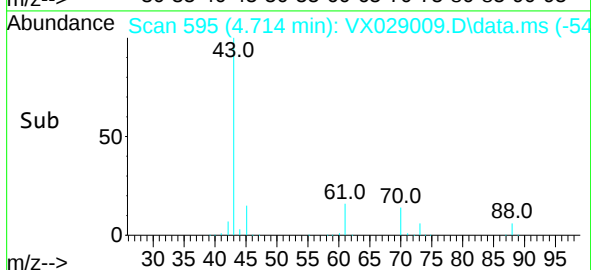
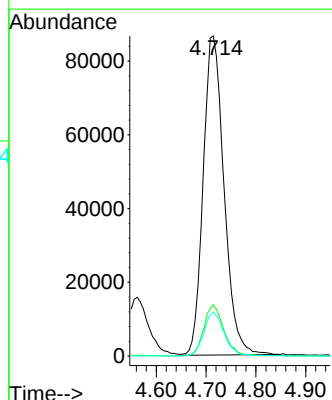
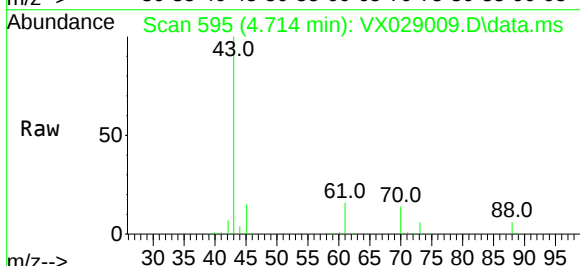
Tgt Ion: 43 Resp: 251508

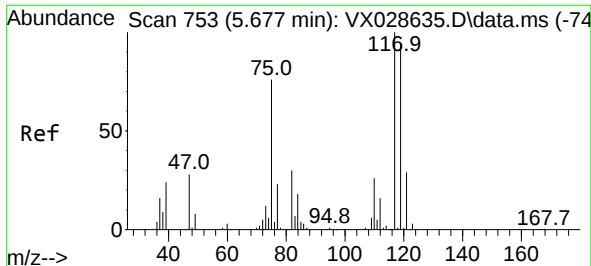
Ion Ratio Lower Upper

43 100

61 15.5 12.6 19.0

70 13.3 10.2 15.2

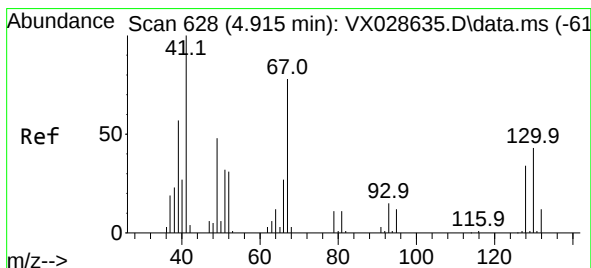
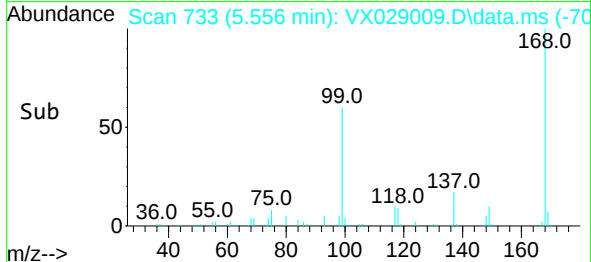
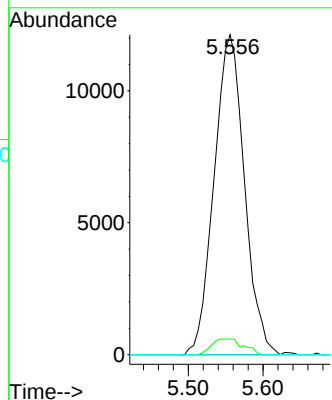
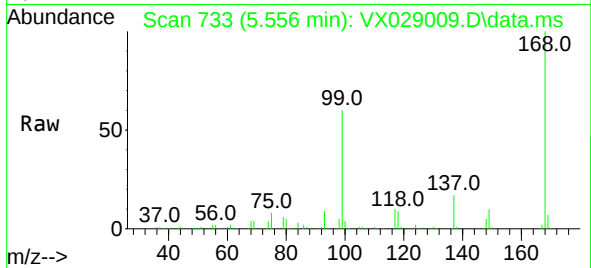




#38
Carbon Tetrachloride
Concen: 5.814 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

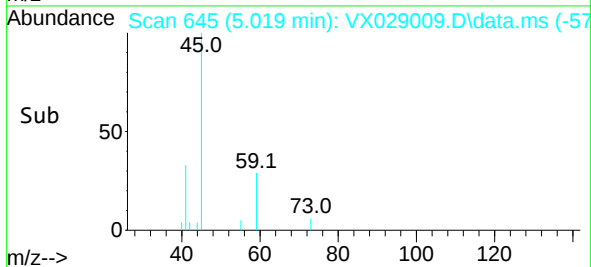
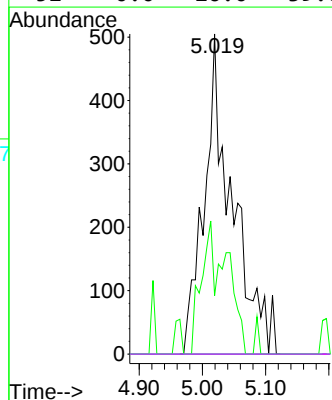
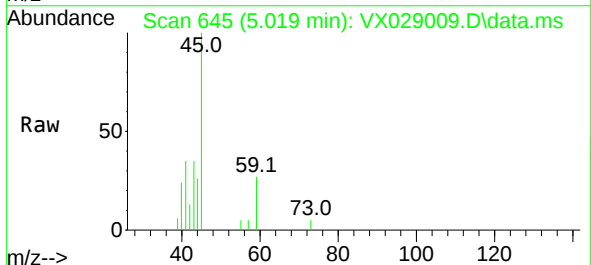
Instrument :
MSVOA_X
ClientSampleId :
52322-G

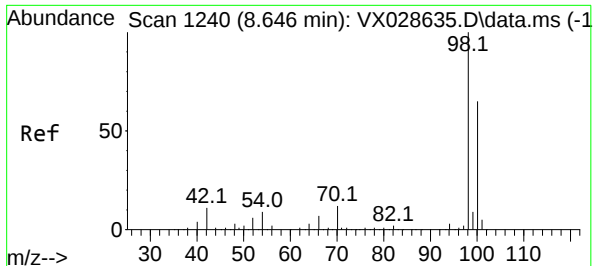
Tgt Ion:117 Resp: 34158
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.474 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 41 Resp: 1549
Ion Ratio Lower Upper
41 100
39 18.9 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

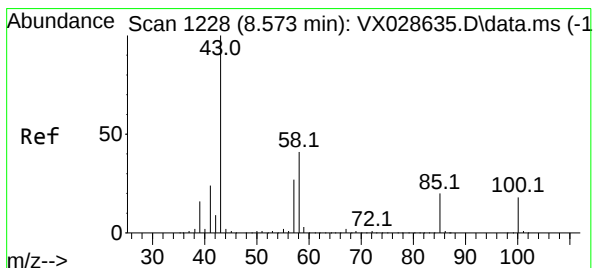
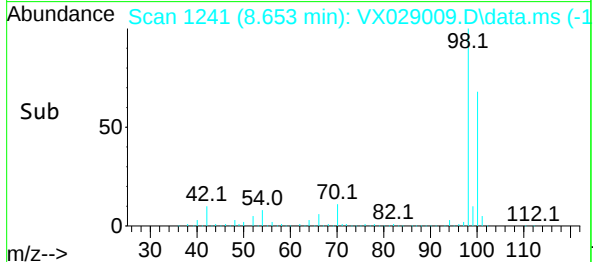
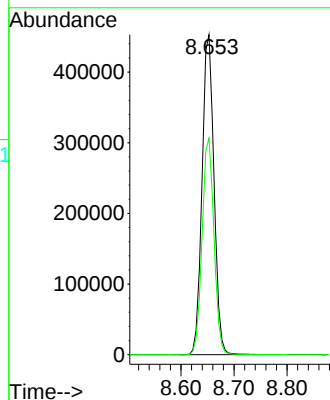
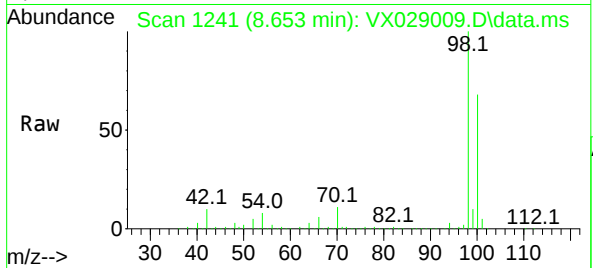




#50
Toluene-d8
Concen: 48.343 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

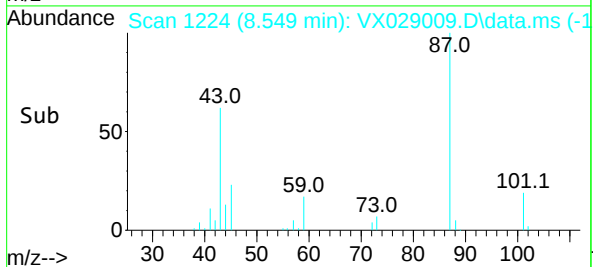
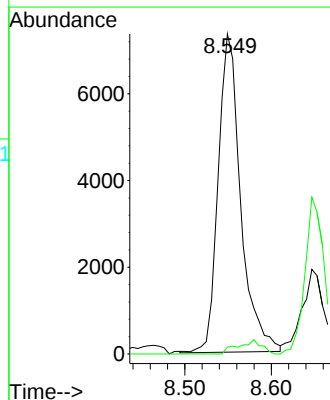
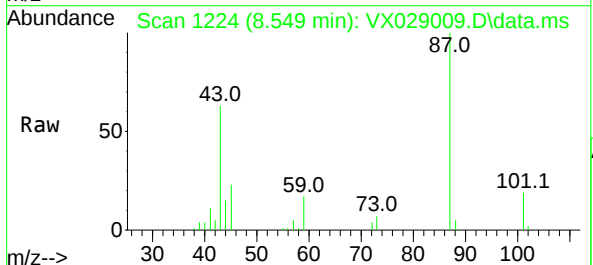
Instrument :
MSVOA_X
ClientSampleId :
52322-G

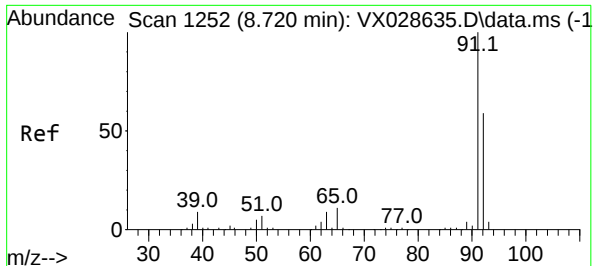
Tgt Ion: 98 Resp: 708450
Ion Ratio Lower Upper
98 100
100 67.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.111 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 43 Resp: 13266
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#

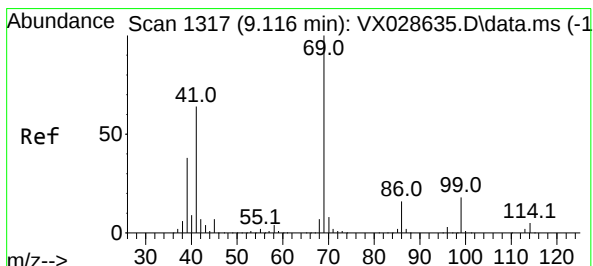
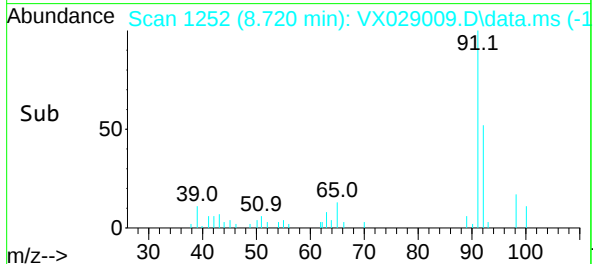
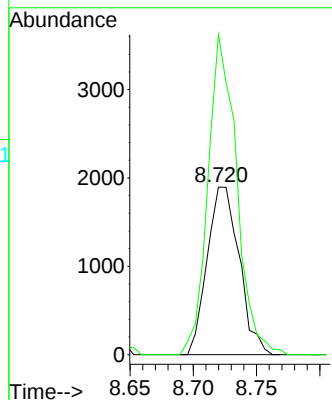
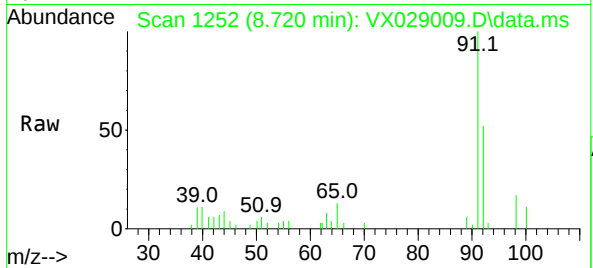




#52
Toluene
Concen: 0.310 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

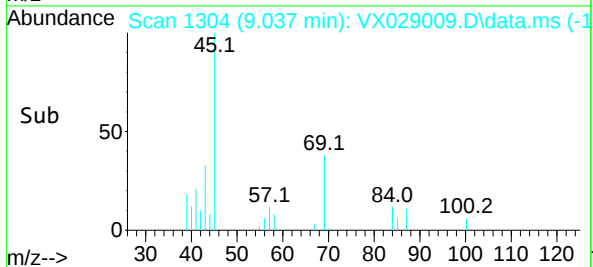
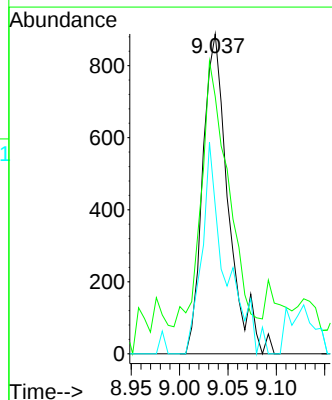
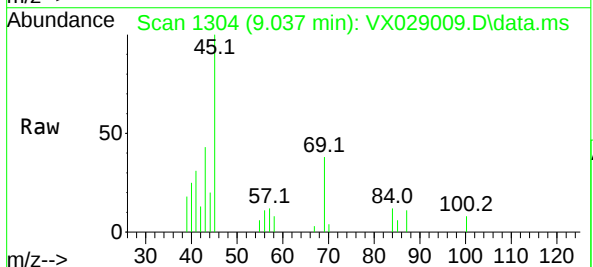
Instrument :
MSVOA_X
ClientSampleId :
52322-G

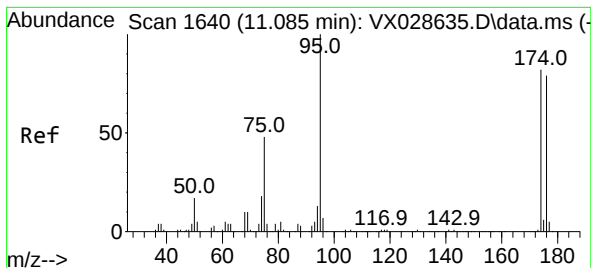
Tgt Ion: 92 Resp: 3342
Ion Ratio Lower Upper
92 100
91 171.4 137.5 206.3



#56
Ethyl methacrylate
Concen: 0.245 ug/l
RT: 9.037 min Scan# 1304
Delta R.T. -0.079 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 69 Resp: 1633
Ion Ratio Lower Upper
69 100
41 93.0 43.8 65.6#
39 60.9 22.2 33.2#

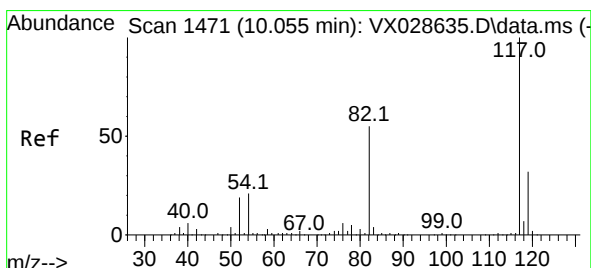
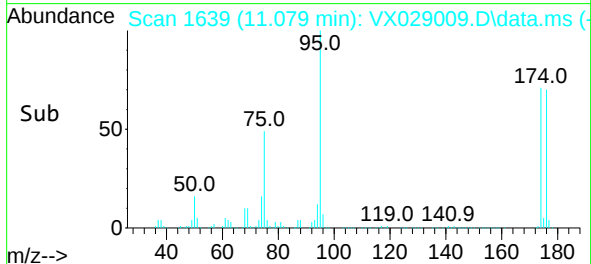
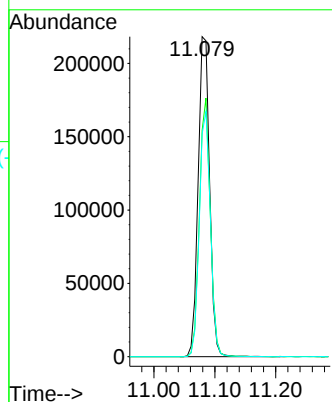
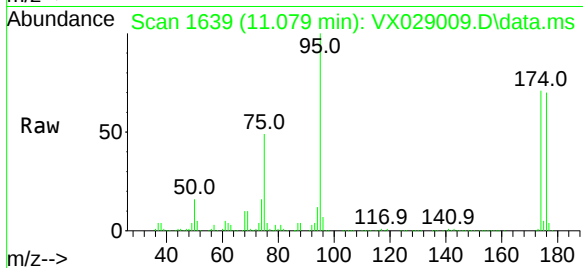




#62
4-Bromofluorobenzene
Concen: 52.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

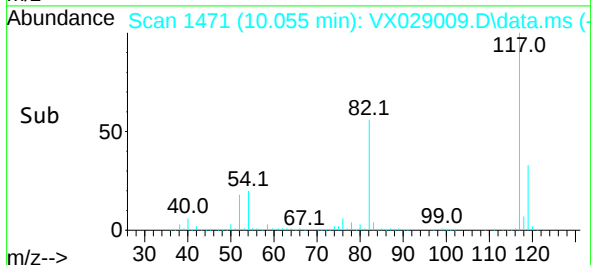
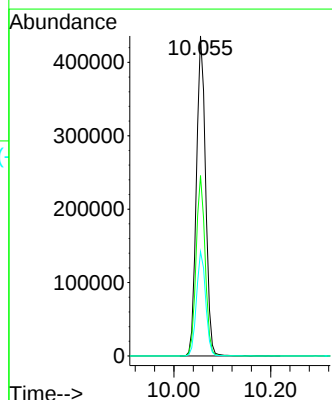
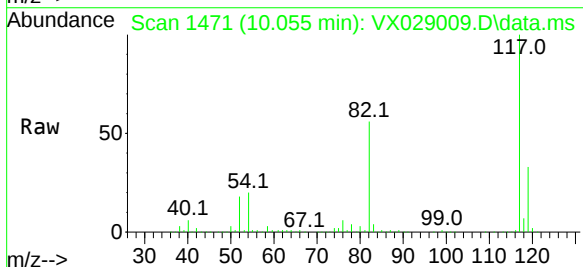
Instrument :
MSVOA_X
ClientSampleId :
52322-G

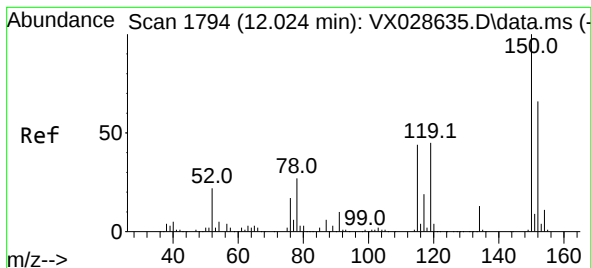
Tgt Ion: 95 Resp: 284827
Ion Ratio Lower Upper
95 100
174 76.7 0.0 163.0
176 74.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029009.D
Acq: 26 May 2022 19:09

Tgt Ion: 117 Resp: 572642
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 32.6 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029009.D

Acq: 26 May 2022 19:09

Instrument :

MSVOA_X

ClientSampleId :

52322-G

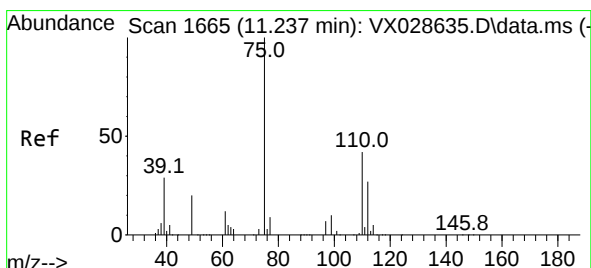
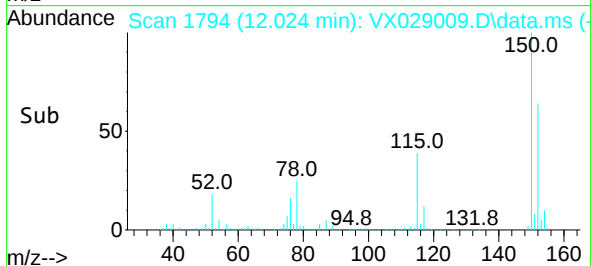
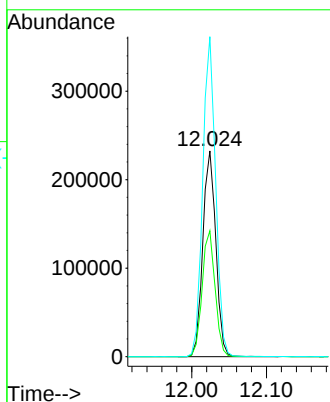
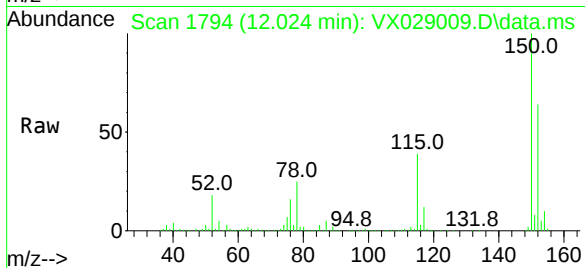
Tgt Ion:152 Resp: 280740

Ion Ratio Lower Upper

152 100

115 61.2 37.5 112.7

150 154.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 21.102 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX029009.D

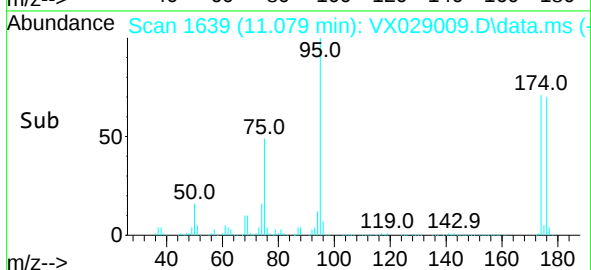
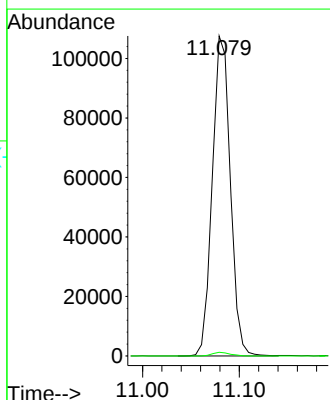
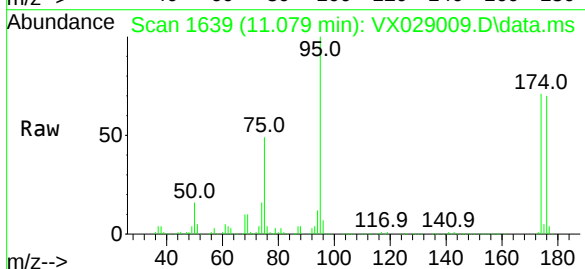
Acq: 26 May 2022 19:09

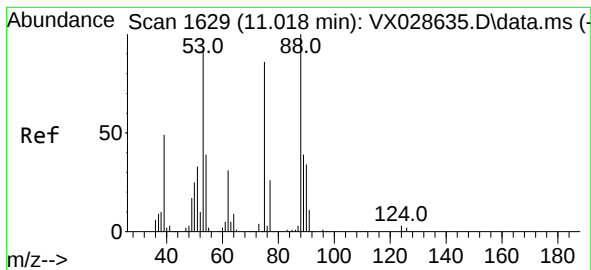
Tgt Ion: 75 Resp: 138736

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.949 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029009.D
 Acq: 26 May 2022 19:09

Instrument :
 MSVOA_X
 ClientSampleId :
 52322-G

Tgt Ion: 75 Resp: 138736
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

