

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053023\
 Data File : VX035915.D
 Acq On : 30 May 2023 18:44
 Operator : JC/MD
 Sample : 02924-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-002-003-3RE

Quant Time: May 31 05:48:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

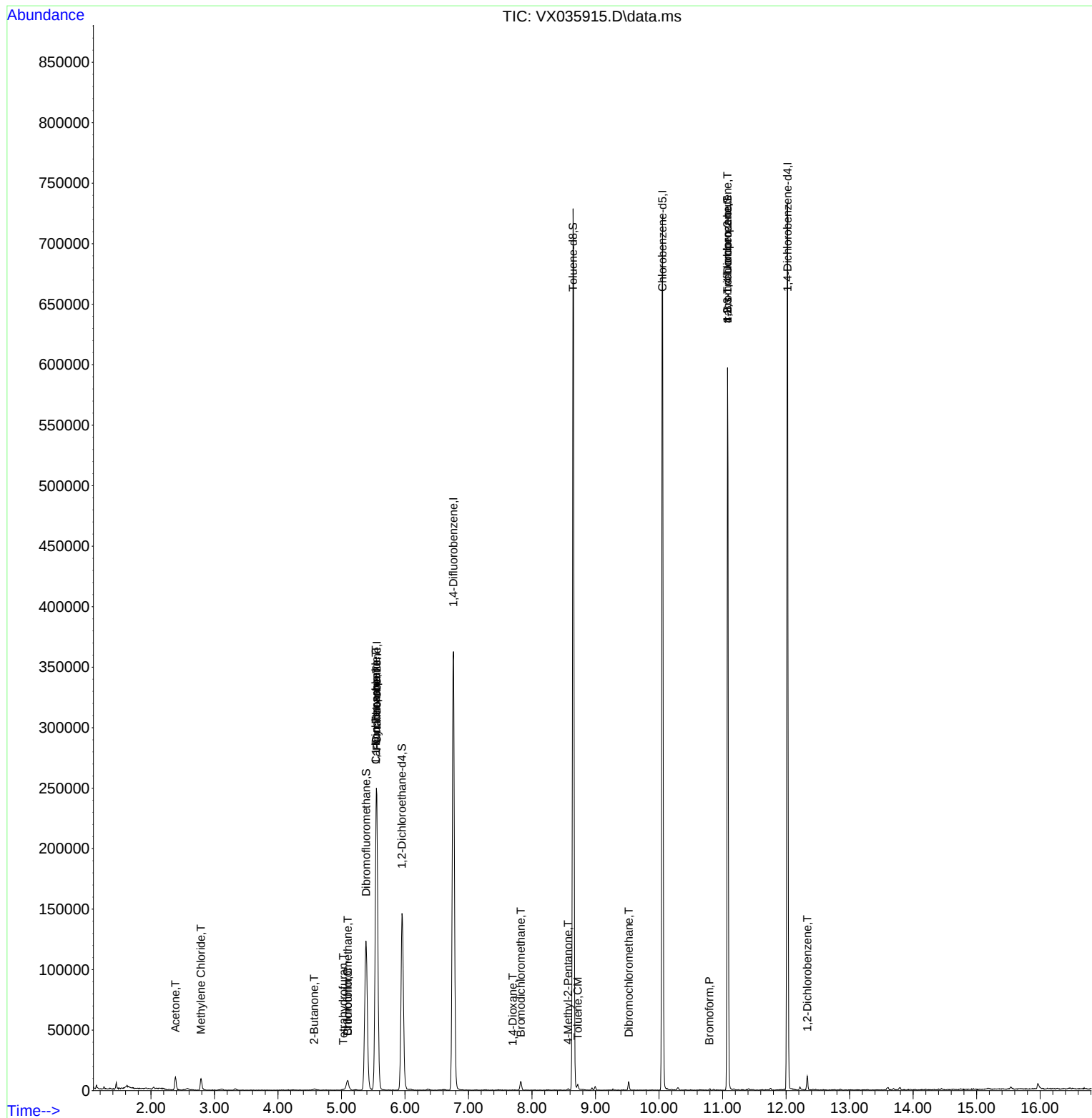
Internal Standards						
1) Pentafluorobenzene	5.556	168	229340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	372067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	144178	35.377	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	70.760%#		
35) Dibromofluoromethane	5.385	113	110523	43.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.500%		
50) Toluene-d8	8.647	98	431708	46.027	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.060%		
62) 4-Bromofluorobenzene	11.079	95	161997	43.837	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.680%		
Target Compounds					Qvalue	
16) Acetone	2.386	43	12343	7.502	ug/l	94
20) Methylene Chloride	2.788	84	4639	0.732	ug/l	97
25) 2-Butanone	4.568	43	1271	0.534	ug/l	93
28) Bromochloromethane	5.099	49	672	0.252	ug/l #	17
29) Tetrahydrofuran	5.026	42	658	0.427	ug/l #	37
30) Chloroform	5.099	83	9473	1.675	ug/l	96
31) Cyclohexane	5.550	56	5335	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	18606	4.794	ug/l #	52
38) Carbon Tetrachloride	5.544	117	24965	6.825	ug/l #	17
47) Bromodichloromethane	7.824	83	4931	1.344	ug/l #	94
49) 1,4-Dioxane	7.696	88	73	0.990	ug/l #	22
51) 4-Methyl-2-Pentanone	8.568	43	1493	0.356	ug/l #	37
52) Toluene	8.720	92	1519	0.223	ug/l	93
60) Dibromochloromethane	9.525	129	2086	0.842	ug/l	91
71) Bromoform	10.793	173	407	0.263	ug/l #	90
76) 1,2,3-Trichloropropane	11.079	75	82028	21.502	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	82028	68.373	ug/l #	3
91) 1,2-Dichlorobenzene	12.335	146	3794	0.720	ug/l	100

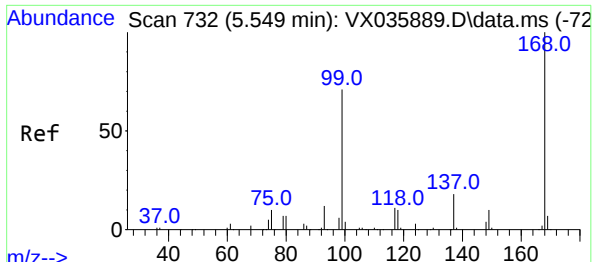
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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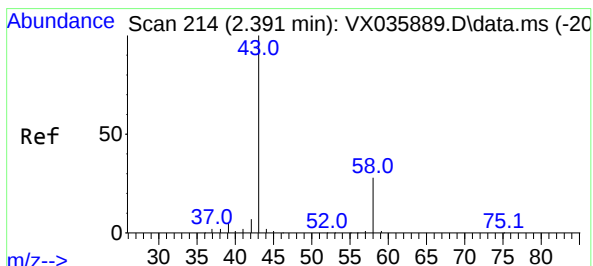
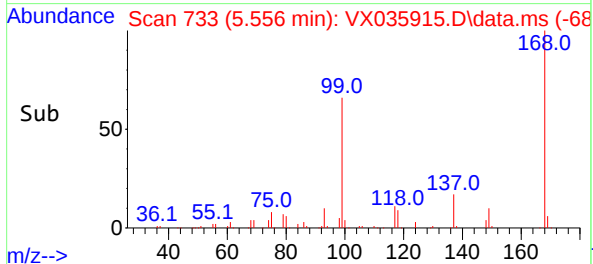
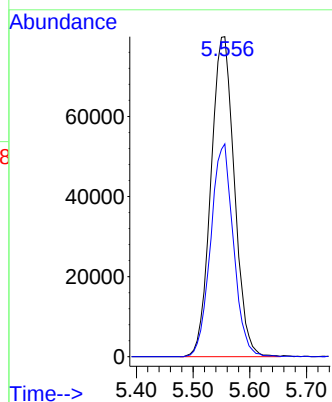
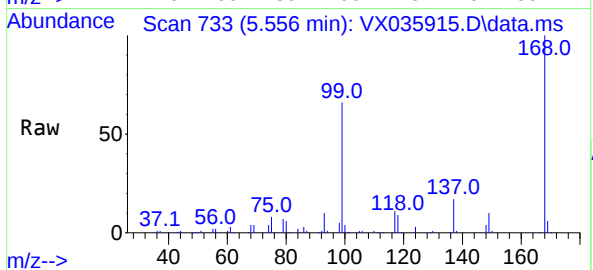




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

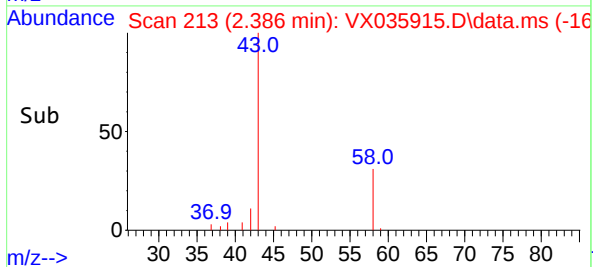
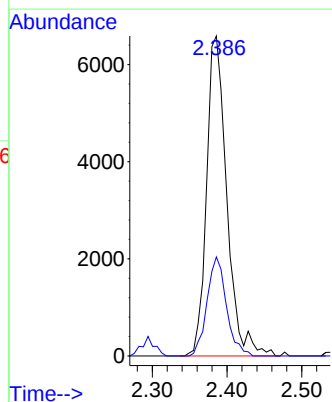
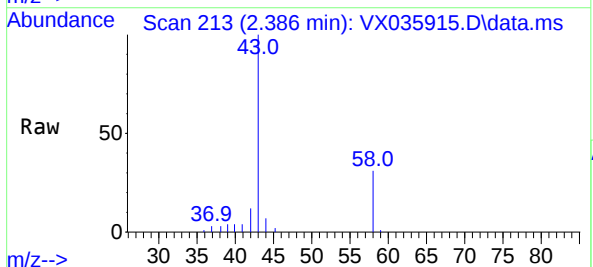
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

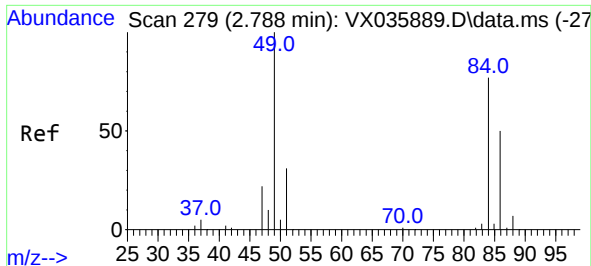
Tgt Ion:168 Resp: 229340
Ion Ratio Lower Upper
168 100
99 66.5 57.0 85.6



#16
Acetone
Concen: 7.502 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 43 Resp: 12343
Ion Ratio Lower Upper
43 100
58 31.0 22.2 33.2

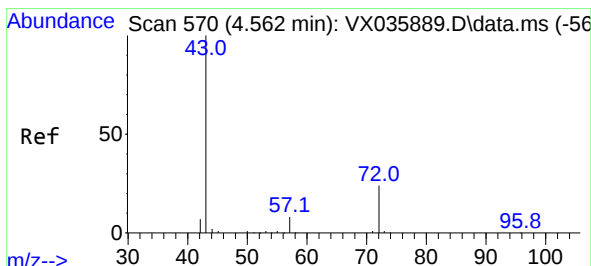
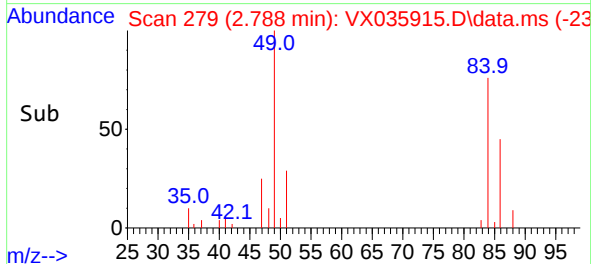
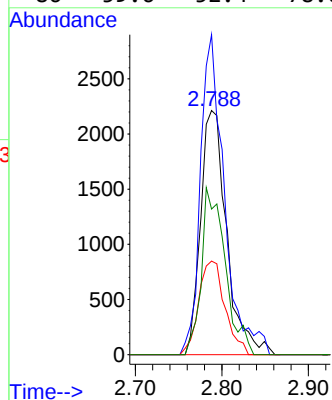
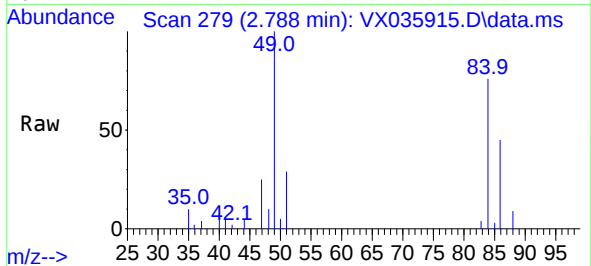




#20
Methylene Chloride
Concen: 0.732 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

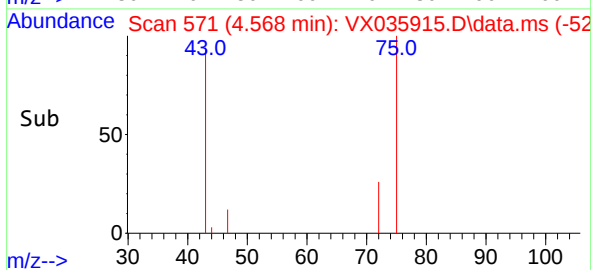
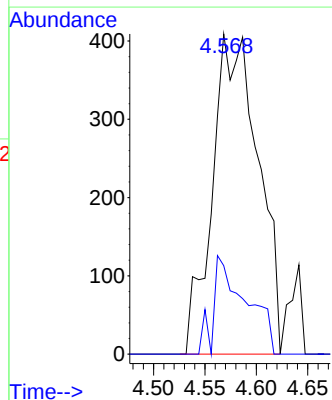
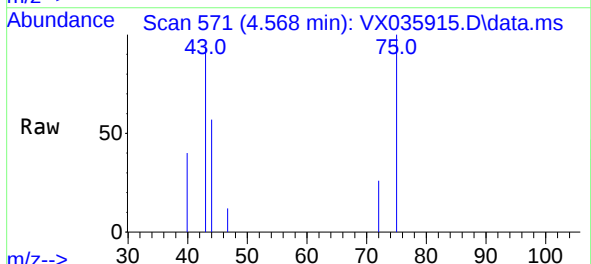
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

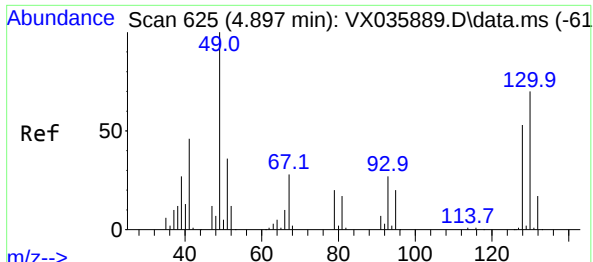
Tgt Ion:	84	Resp:	4639
Ion	Ratio	Lower	Upper
84	100		
49	131.0	104.6	156.8
51	38.4	32.2	48.4
86	59.6	52.4	78.6



#25
2-Butanone
Concen: 0.534 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion:	43	Resp:	1271
Ion	Ratio	Lower	Upper
43	100		
72	27.6	19.4	29.2

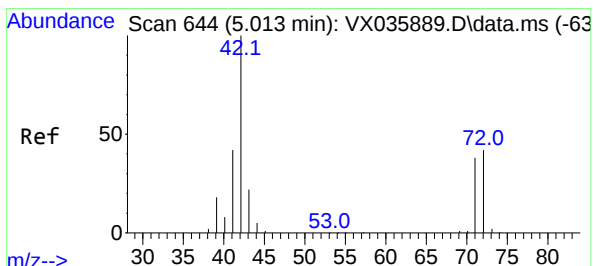
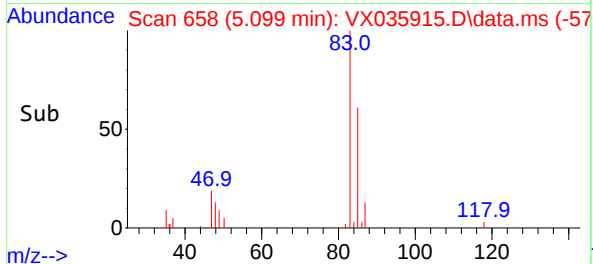
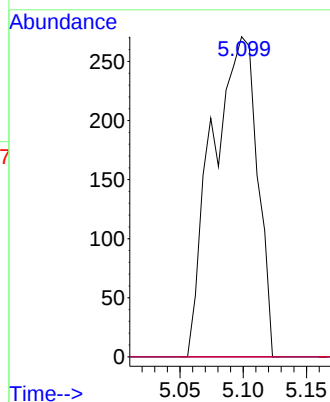
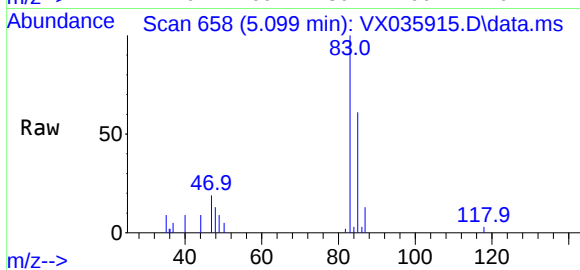




#28
Bromochloromethane
Concen: 0.252 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

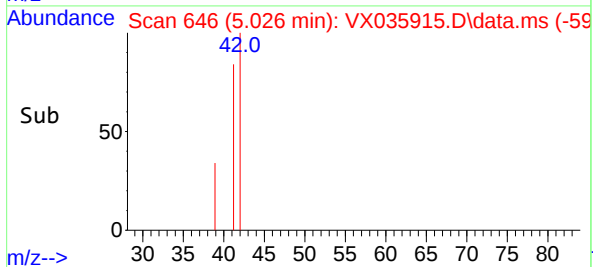
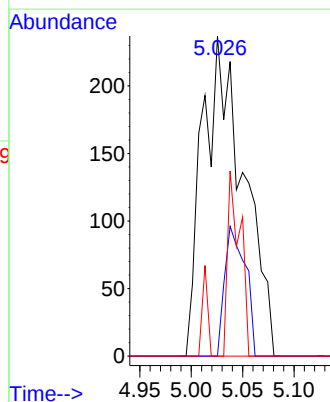
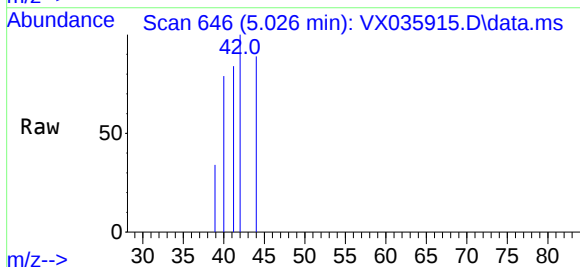
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

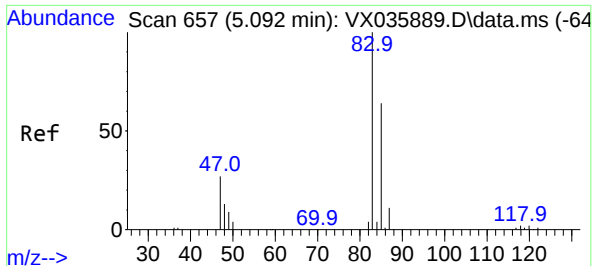
Tgt Ion: 49 Resp: 672
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 55.8 83.8#



#29
Tetrahydrofuran
Concen: 0.427 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 42 Resp: 658
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 3.8 31.8 47.8#





#30

Chloroform

Concen: 1.675 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

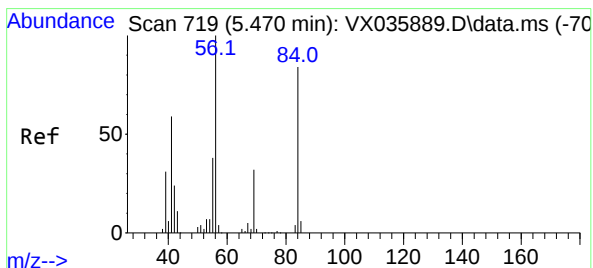
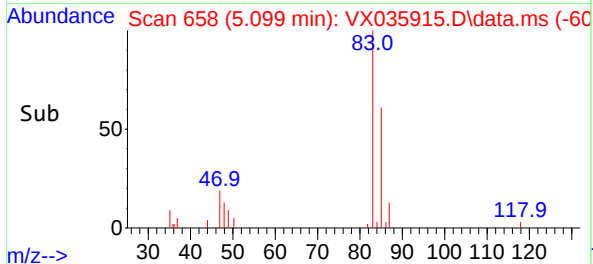
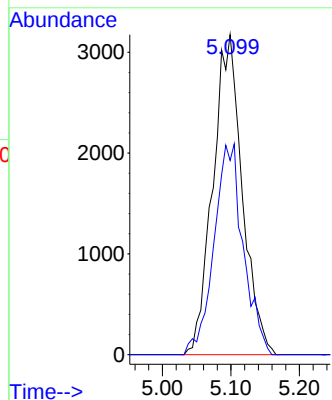
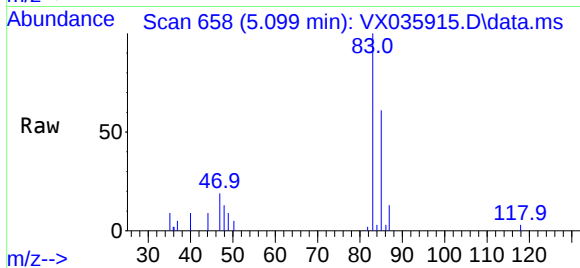
001-002-003-3RE

Tgt Ion: 83 Resp: 9473

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.4



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

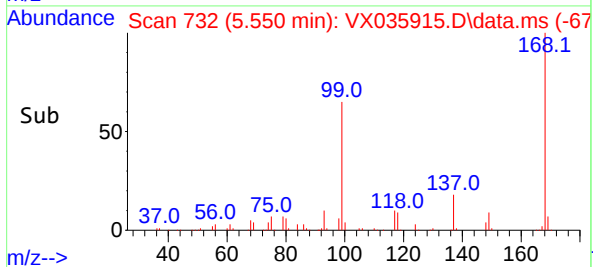
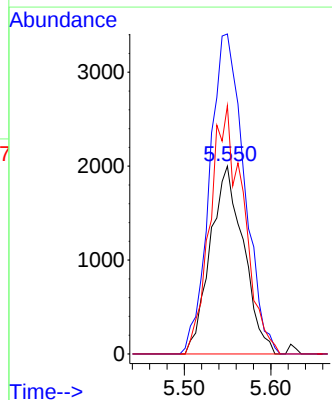
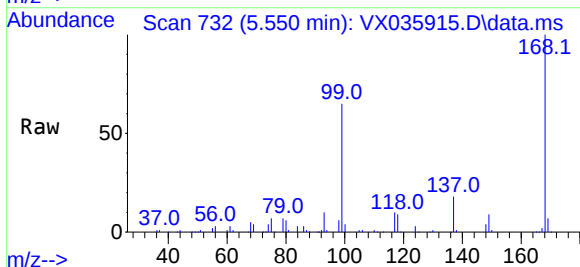
Tgt Ion: 56 Resp: 5335

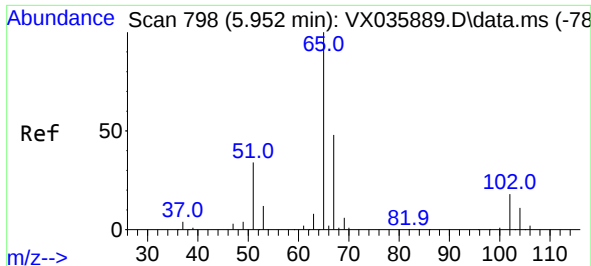
Ion Ratio Lower Upper

56 100

69 170.3 25.9 38.9#

84 132.2 67.6 101.4#

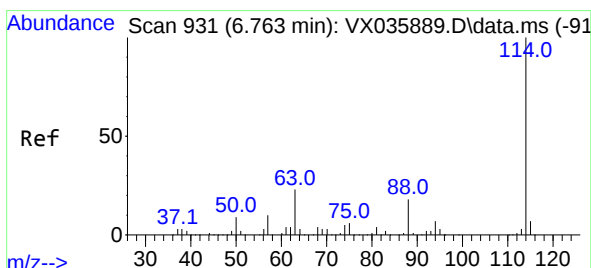
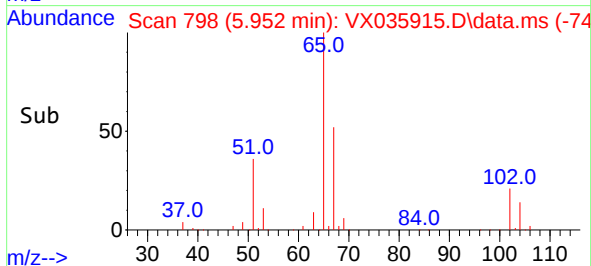
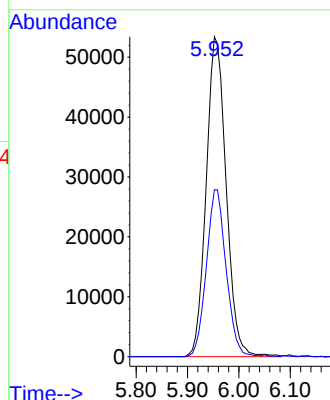
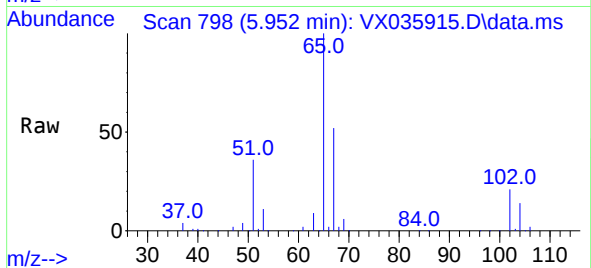




#33
1,2-Dichloroethane-d4
Concen: 35.377 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

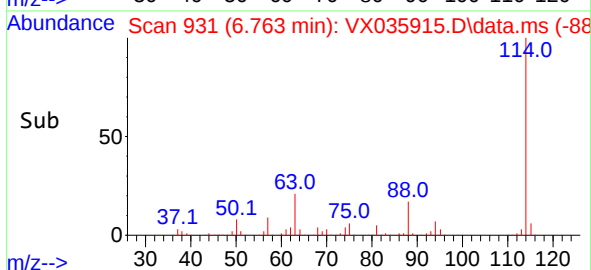
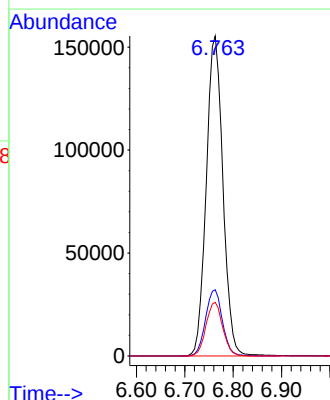
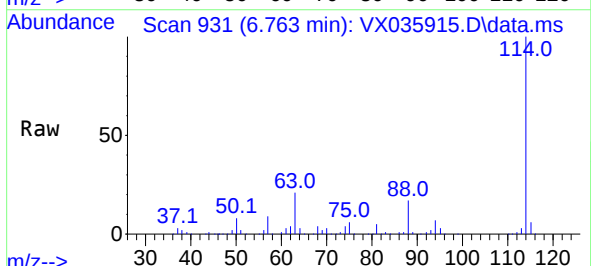
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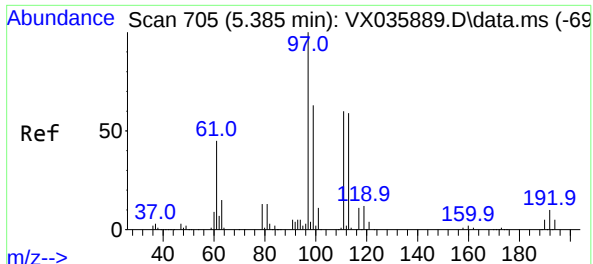
Tgt Ion: 65 Resp: 144178
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 114 Resp: 372067
Ion Ratio Lower Upper
114 100
63 20.7 0.0 46.0
88 16.8 0.0 35.2

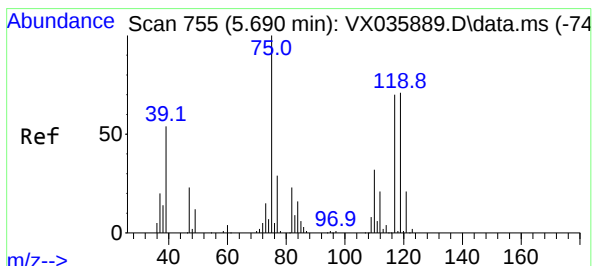
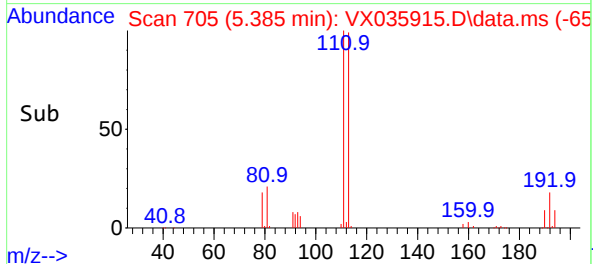
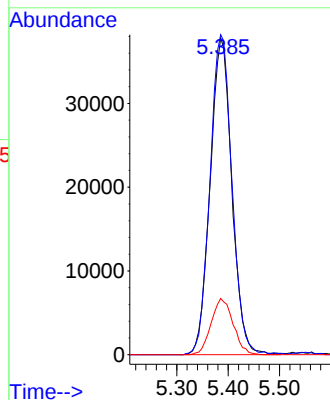
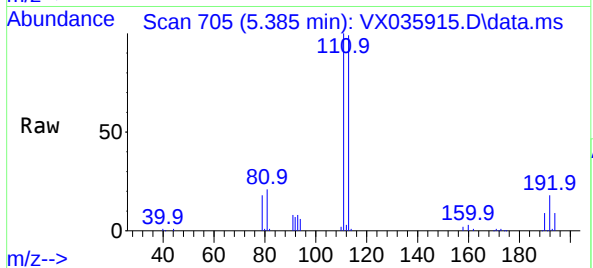




#35
Dibromofluoromethane
Concen: 43.245 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

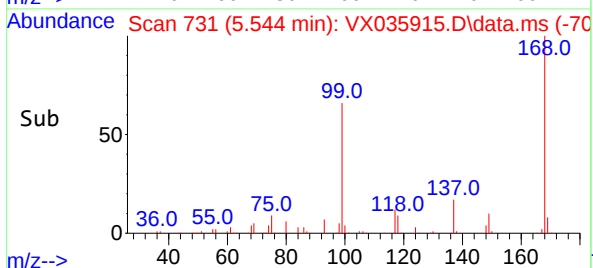
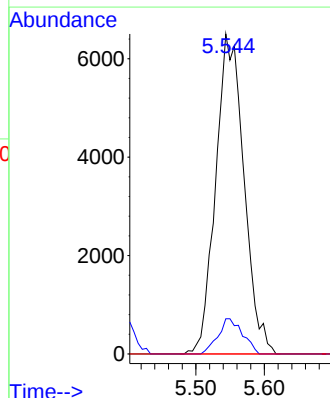
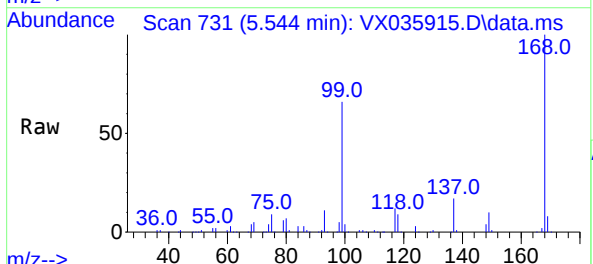
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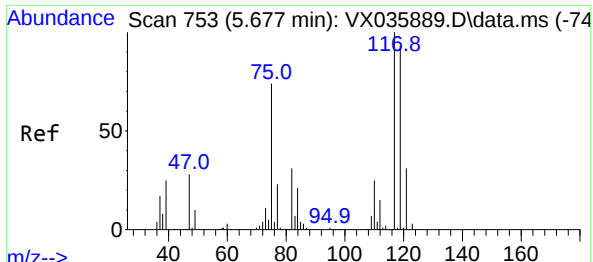
Tgt Ion:113 Resp: 110523
Ion Ratio Lower Upper
113 100
111 102.2 81.7 122.5
192 18.0 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

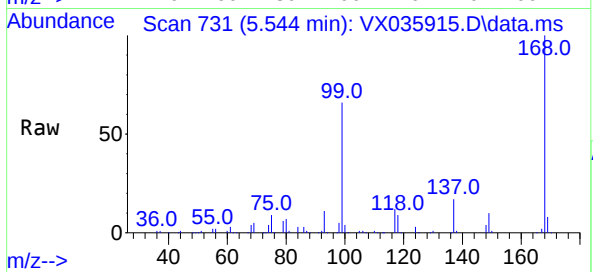
Tgt Ion: 75 Resp: 18606
Ion Ratio Lower Upper
75 100
110 9.6 16.6 49.7#
77 0.0 24.4 36.6#



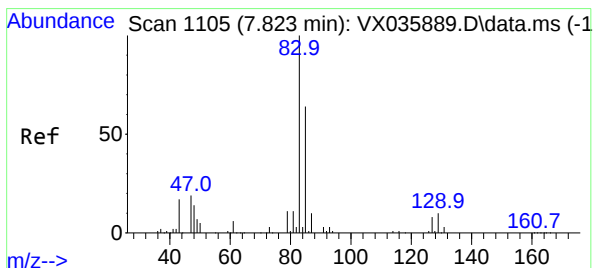
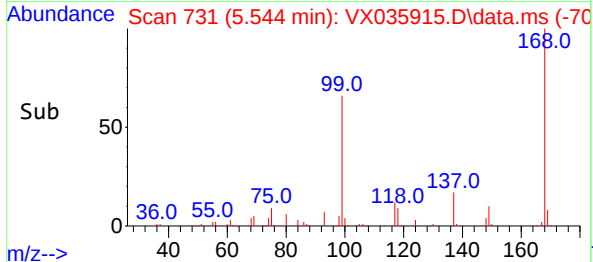
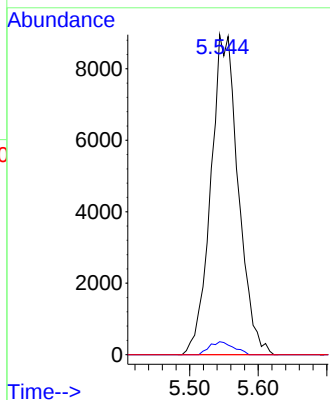


#38
Carbon Tetrachloride
Concen: 6.825 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

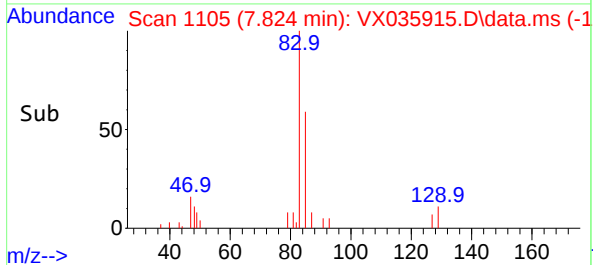
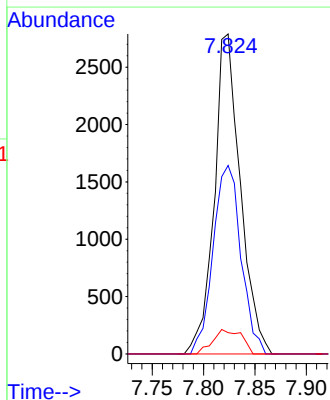
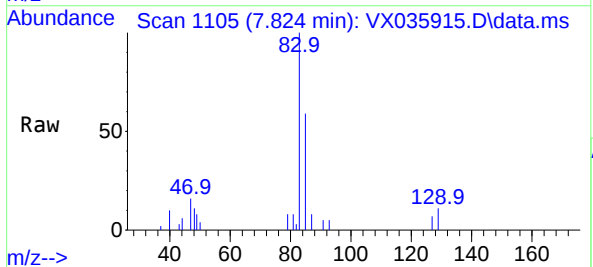


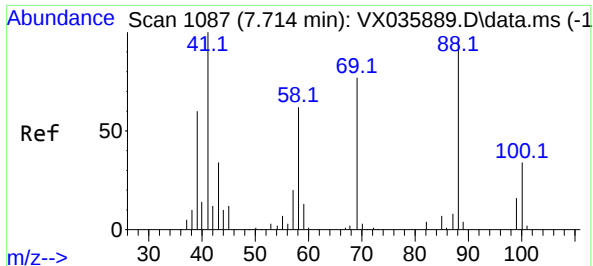
Tgt Ion:117 Resp: 24965
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.0 37.4#



#47
Bromodichloromethane
Concen: 1.344 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 83 Resp: 4931
Ion Ratio Lower Upper
83 100
85 58.9 51.3 76.9
127 6.6 6.6 10.0#

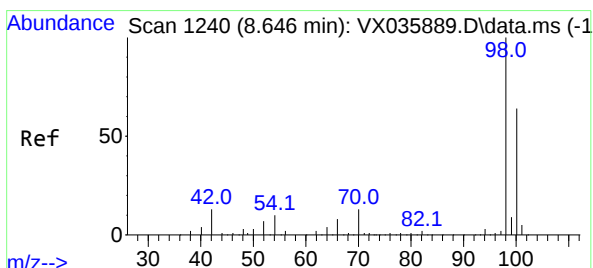
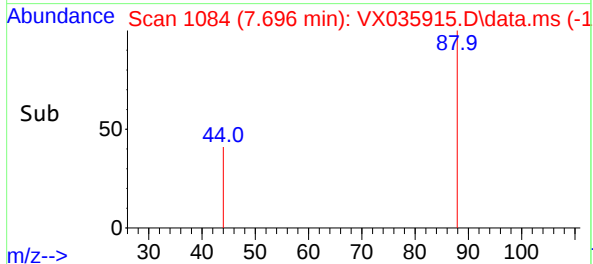
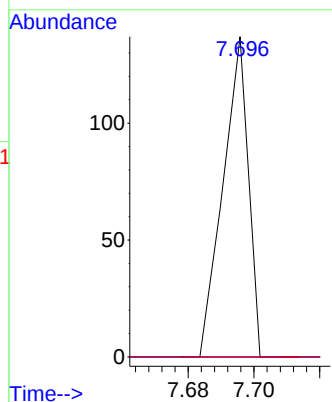
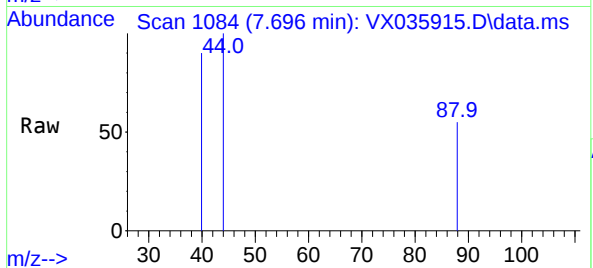




#49
1,4-Dioxane
Concen: 0.990 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.018 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

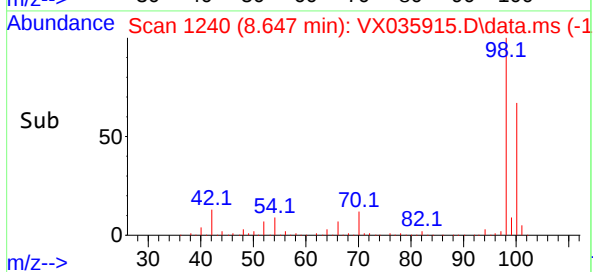
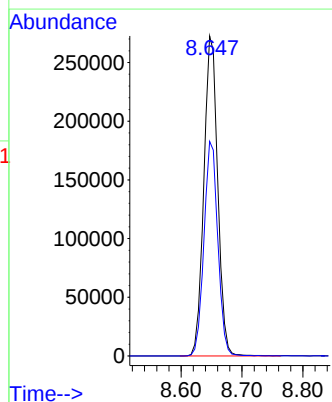
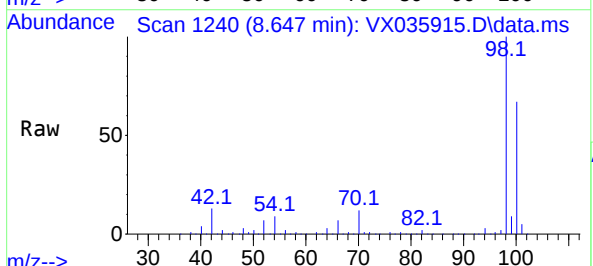
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

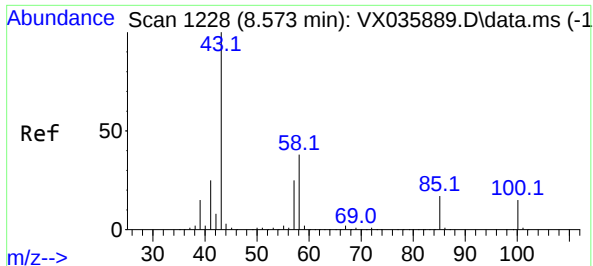
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 58.9 88.3#



#50
Toluene-d8
Concen: 46.027 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 98 Resp: 431708
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0

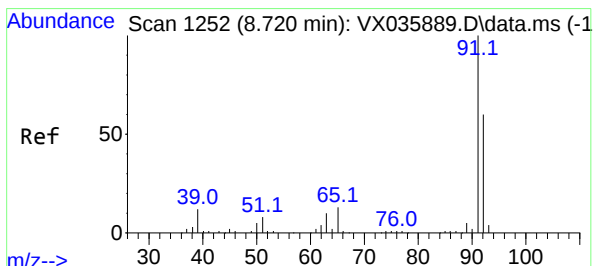
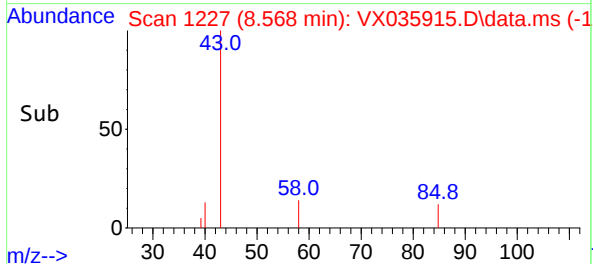
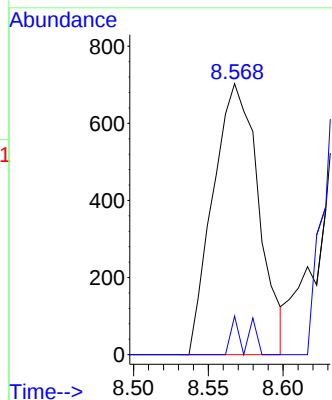
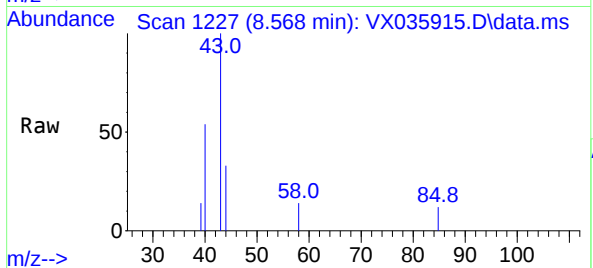




#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 8.568 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

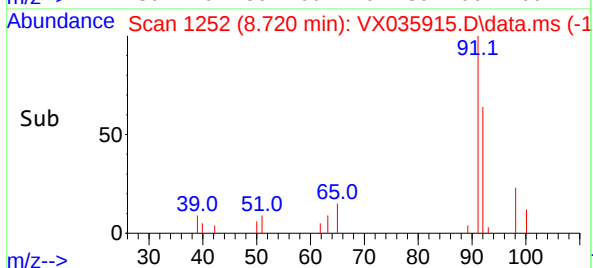
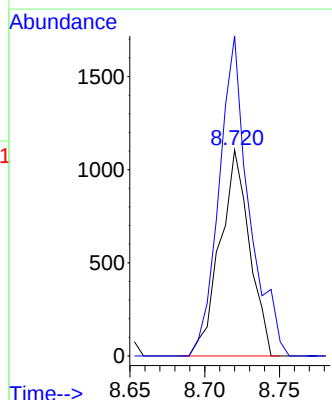
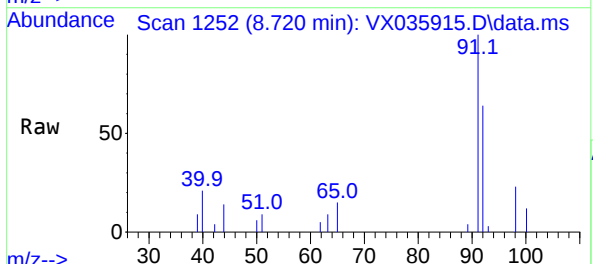
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

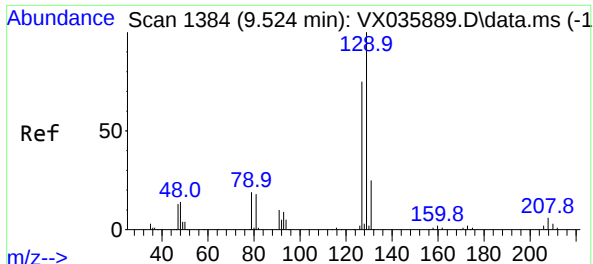
Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
58 0.0 30.1 45.1#



#52
Toluene
Concen: 0.223 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 92 Resp: 1519
Ion Ratio Lower Upper
92 100
91 157.9 133.5 200.3





#60

Dibromochloromethane

Concen: 0.842 ug/l

RT: 9.525 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

Instrument :

MSVOA_X

ClientSampleId :

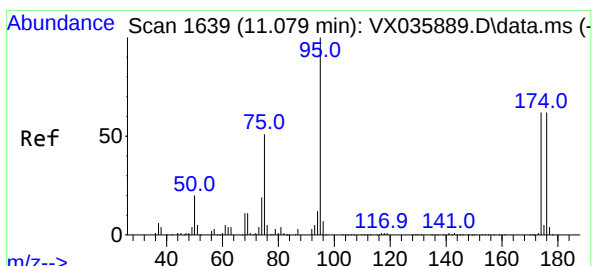
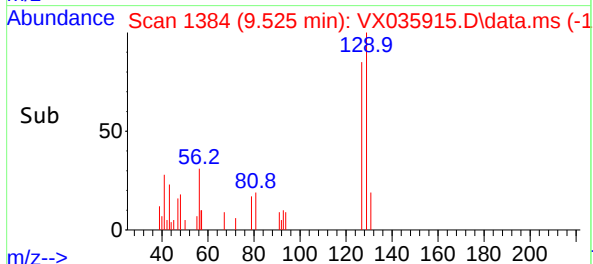
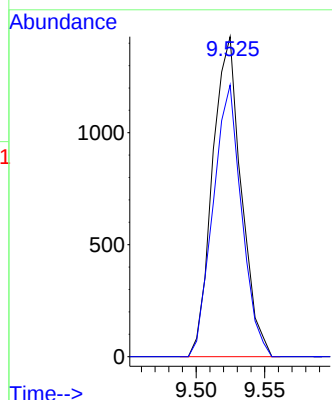
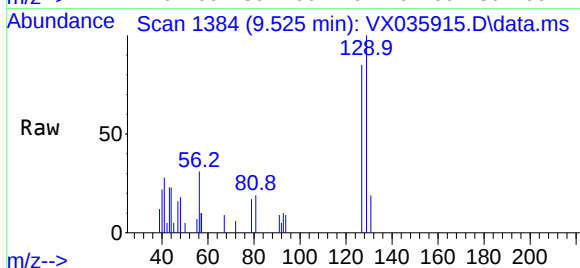
001-002-003-3RE

Tgt Ion:129 Resp: 2086

Ion Ratio Lower Upper

129 100

127 84.5 38.4 115.1



#62

4-Bromofluorobenzene

Concen: 43.837 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035915.D

Acq: 30 May 2023 18:44

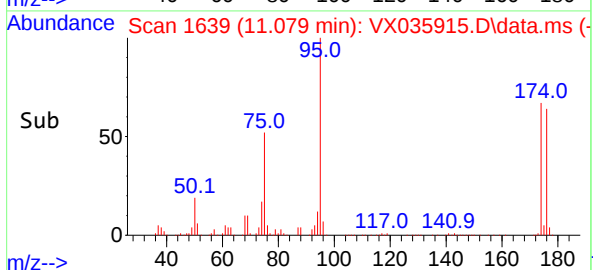
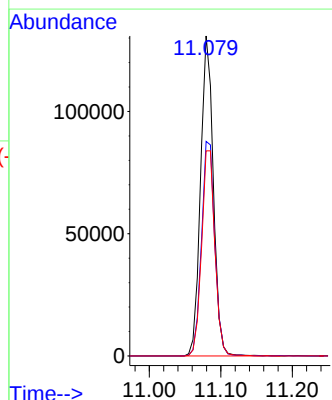
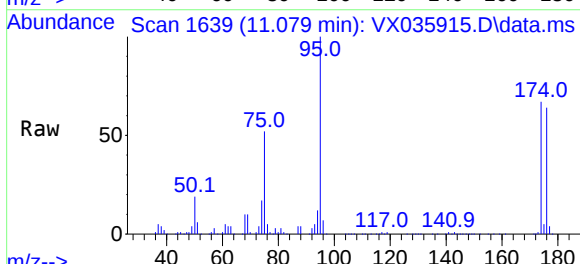
Tgt Ion: 95 Resp: 161997

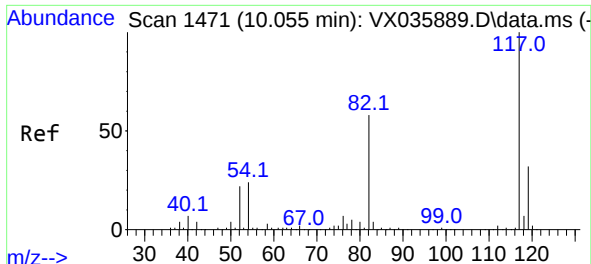
Ion Ratio Lower Upper

95 100

174 69.9 0.0 132.6

176 67.0 0.0 128.0

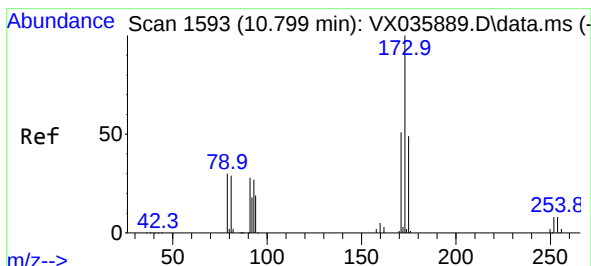
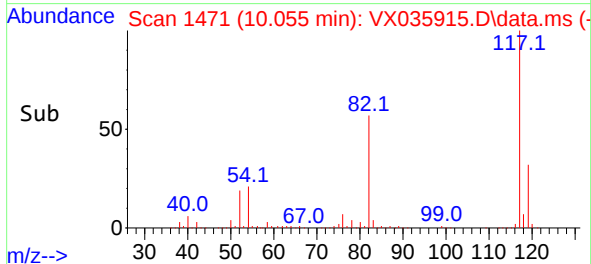
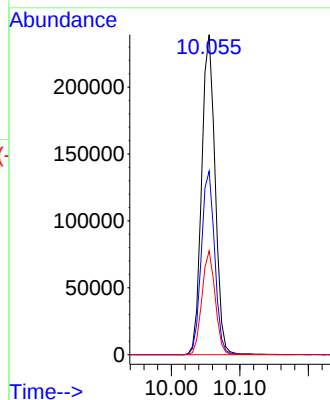
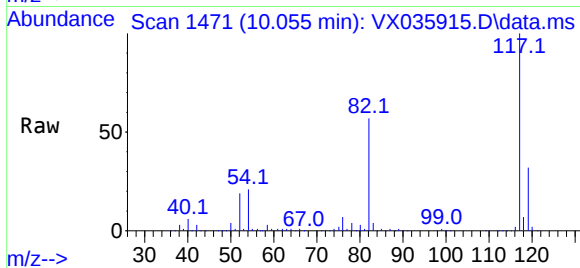




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

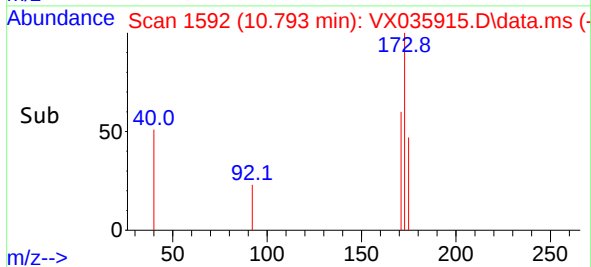
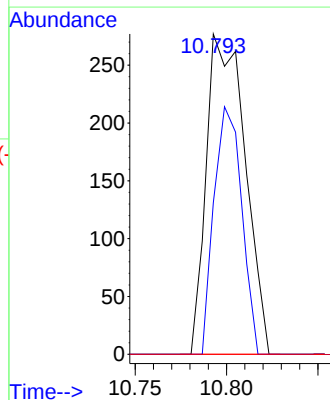
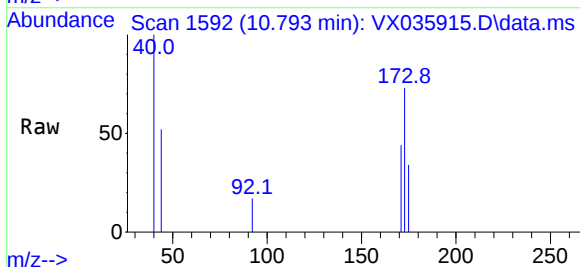
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

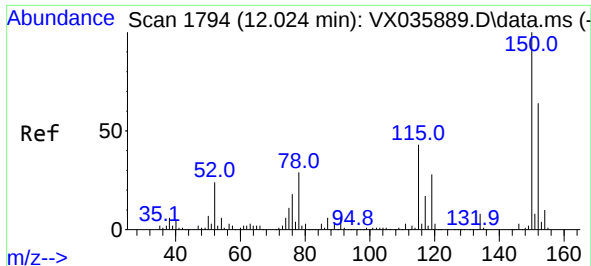
Tgt Ion:117 Resp: 327885
Ion Ratio Lower Upper
117 100
82 57.3 46.6 69.8
119 32.4 25.4 38.2



#71
Bromoform
Concen: 0.263 ug/l
RT: 10.793 min Scan# 1592
Delta R.T. -0.006 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion:173 Resp: 407
Ion Ratio Lower Upper
173 100
175 55.3 24.2 72.6
254 0.0 0.1 0.1#

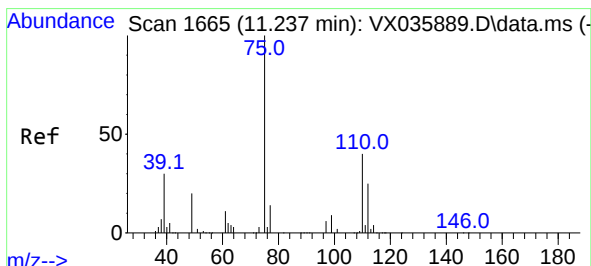
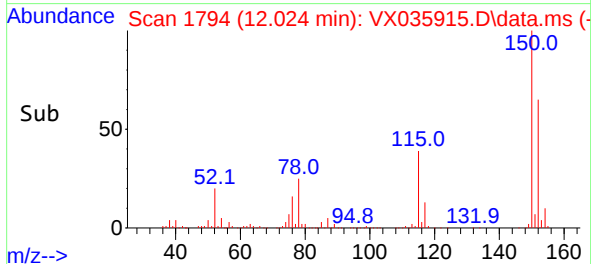
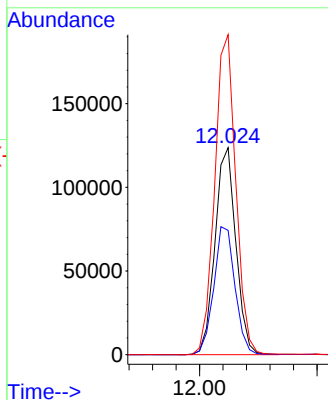
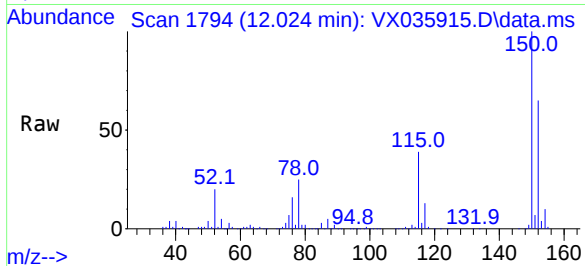




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

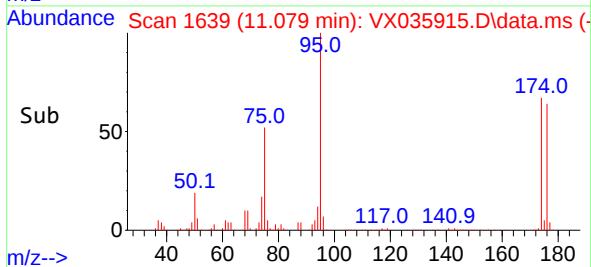
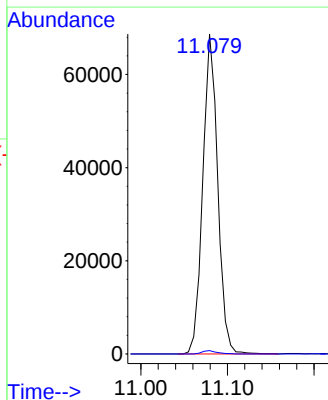
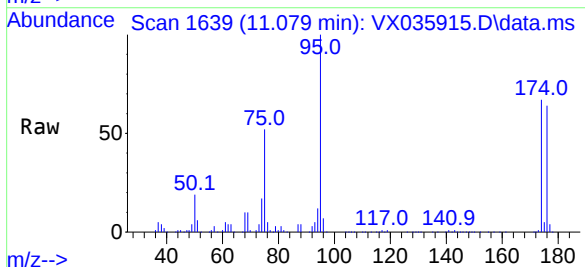
Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

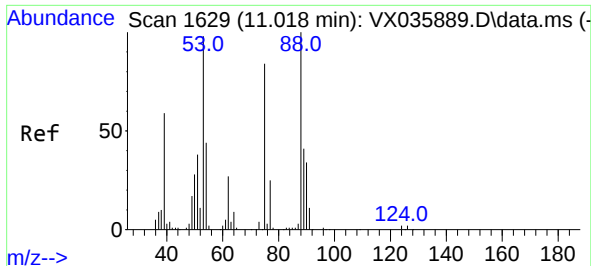
Tgt Ion:152 Resp: 152870
Ion Ratio Lower Upper
152 100
115 63.1 45.5 136.5
150 155.9 0.0 345.2



#76
1,2,3-Trichloropropane
Concen: 21.502 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion: 75 Resp: 82028
Ion Ratio Lower Upper
75 100
77 1.0 21.4 64.2#

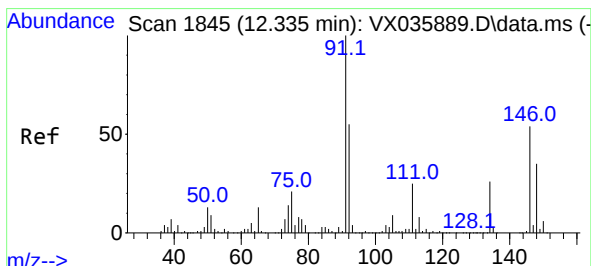
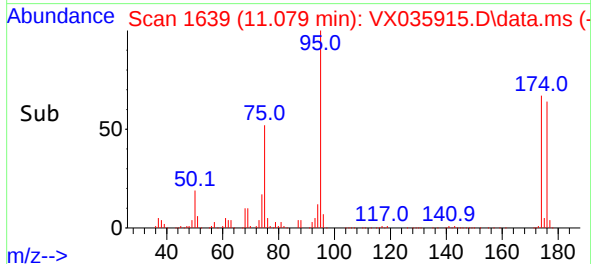
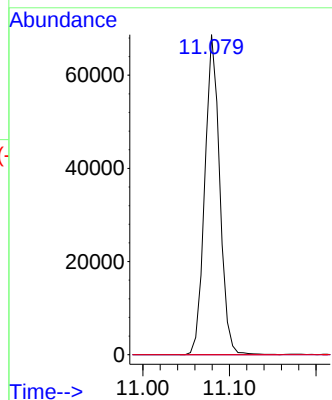
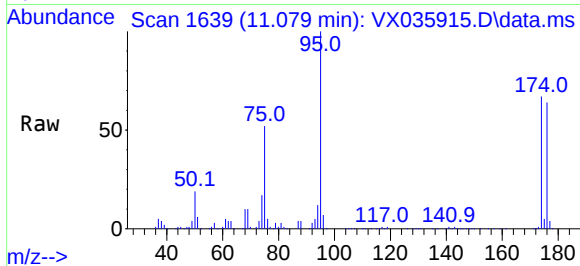




#81
trans-1,4-Dichloro-2-butene
Concen: 68.373 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Instrument :
MSVOA_X
ClientSampleId :
001-002-003-3RE

Tgt Ion: 75 Resp: 82028
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#



#91
1,2-Dichlorobenzene
Concen: 0.720 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035915.D
Acq: 30 May 2023 18:44

Tgt Ion:146 Resp: 3794
Ion Ratio Lower Upper
146 100
111 46.6 23.3 69.9
148 64.4 31.9 95.7

