

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037034.D
 Acq On : 17 Aug 2023 02:49
 Operator : JC/MD
 Sample : VX0816MBL02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBL02

Quant Time: Aug 17 05:08:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

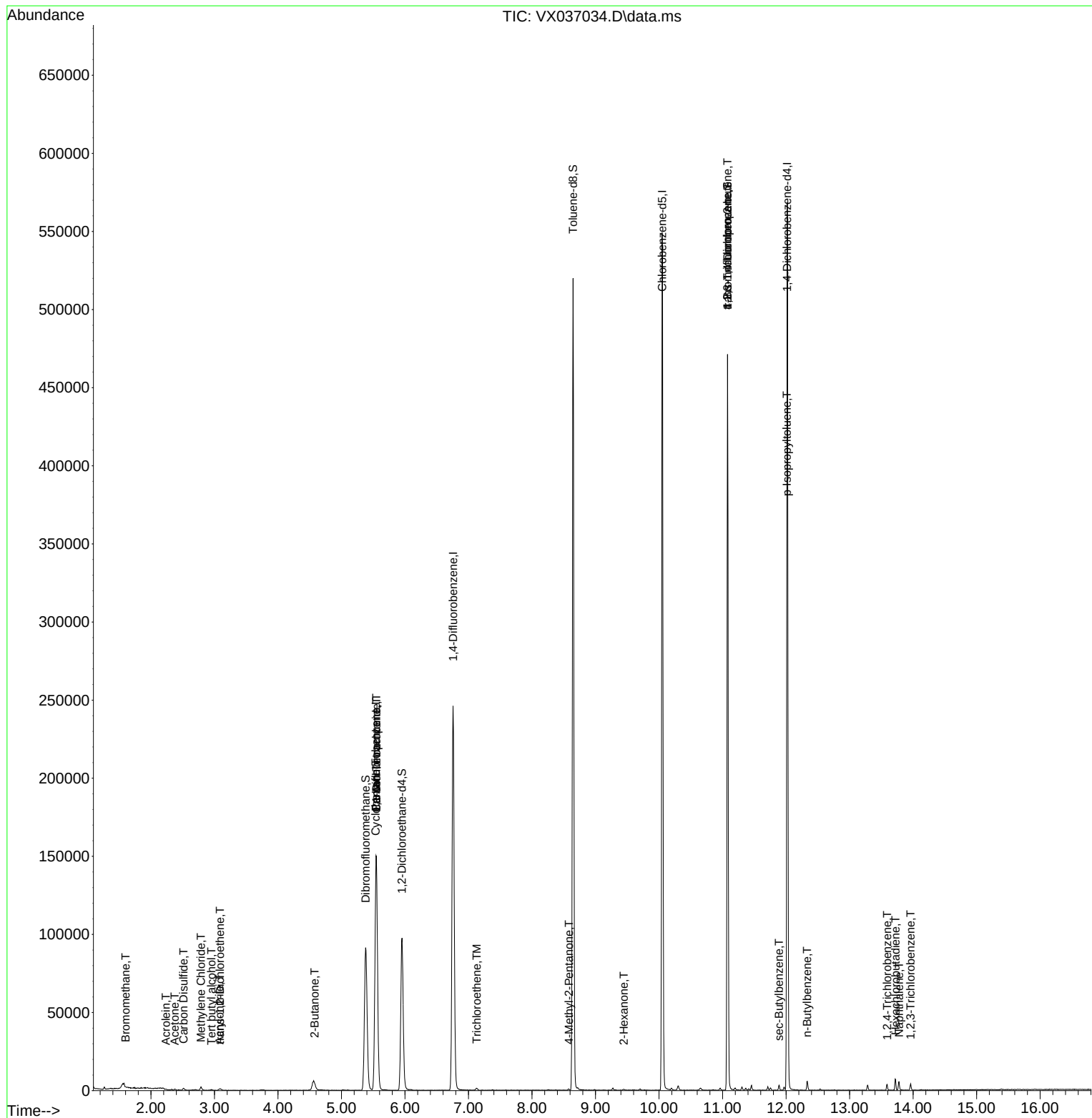
Internal Standards						
1) Pentafluorobenzene	5.544	168	138851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255379	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	250909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97729	47.568	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.140%		
35) Dibromofluoromethane	5.379	113	81908	46.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.320%		
50) Toluene-d8	8.647	98	308131	49.501	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	126361	53.805	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.600%		
Target Compounds						Qvalue
5) Bromomethane	1.599	94	365	0.360	ug/l	94
11) Tert butyl alcohol	2.953	59	379	0.779	ug/l #	78
13) Acrolein	2.233	56	149	0.537	ug/l #	35
15) Acrylonitrile	3.081	53	454	0.464	ug/l #	90
16) Acetone	2.374	43	697	0.818	ug/l #	86
17) Carbon Disulfide	2.514	76	1578	0.368	ug/l	96
20) Methylene Chloride	2.788	84	1021	0.538	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	349	0.201	ug/l #	63
25) 2-Butanone	4.574	43	645	0.466	ug/l	99
31) Cyclohexane	5.538	56	2990	1.051	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11414	4.363	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15087	5.424	ug/l #	14
44) Trichloroethene	7.129	130	630	0.317	ug/l	72
51) 4-Methyl-2-Pentanone	8.580	43	595	0.211	ug/l	94
59) 2-Hexanone	9.445	43	566	0.270	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	65484	24.422	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65484	55.355	ug/l #	5
85) sec-Butylbenzene	11.890	105	1937	0.200	ug/l	97
86) p-Isopropyltoluene	12.012	119	1604	0.202	ug/l #	70
89) n-Butylbenzene	12.329	91	2162	0.304	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1083	0.458	ug/l	94
94) Hexachlorobutadiene	13.725	225	1066	1.089	ug/l	97
95) Naphthalene	13.780	128	3828	0.464	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	1145	0.491	ug/l	95

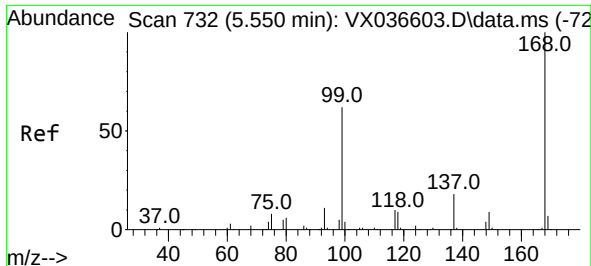
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 17 05:08:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

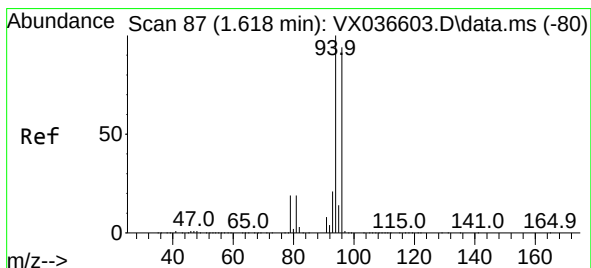
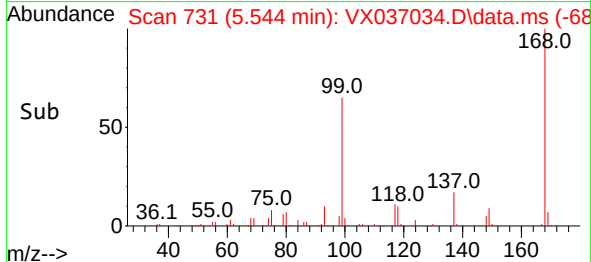
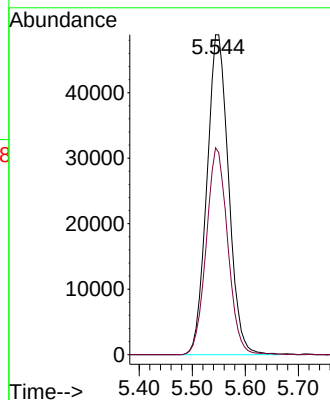
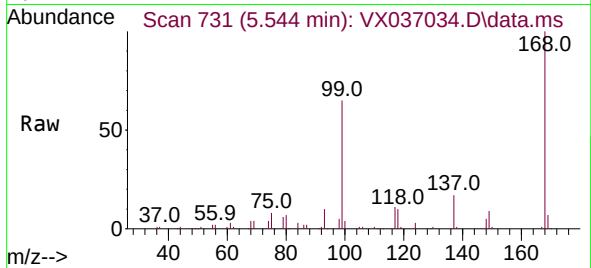




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

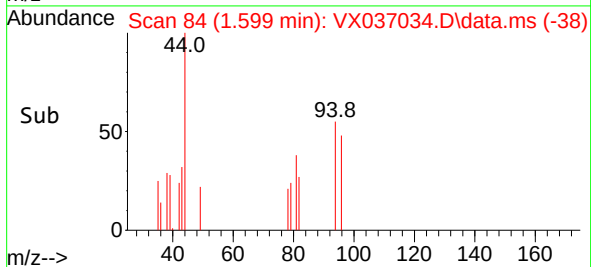
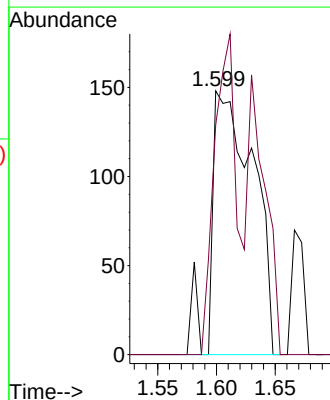
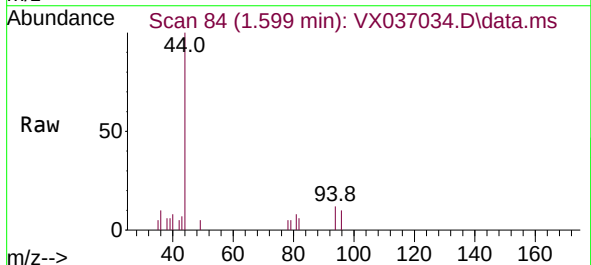
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

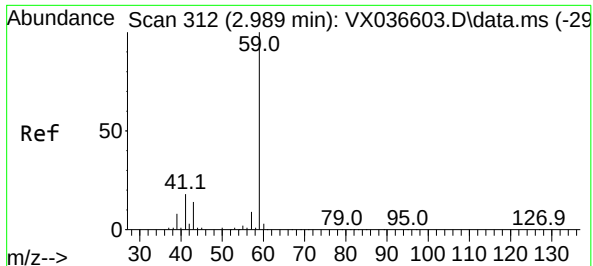
Tgt Ion:168 Resp: 138851
Ion Ratio Lower Upper
168 100
99 64.6 56.6 85.0



#5
Bromomethane
Concen: 0.360 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.018 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 87.2 74.6 111.8





#11

Tert butyl alcohol

Concen: 0.779 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Instrument :

MSVOA_X

ClientSampleId :

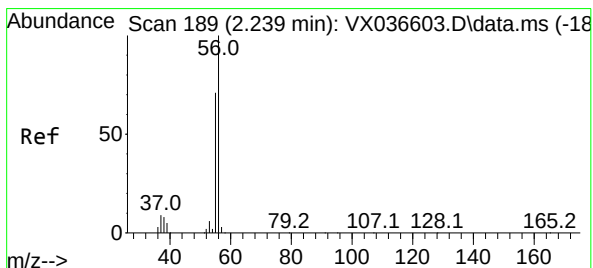
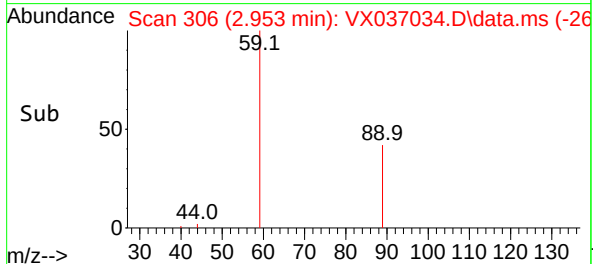
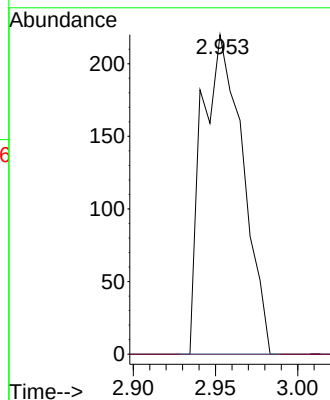
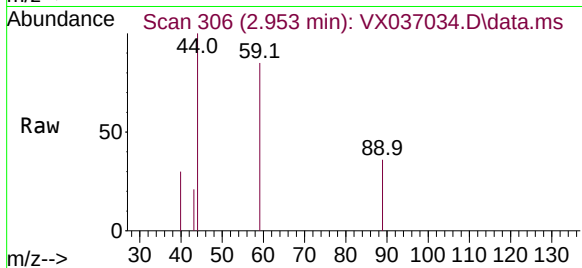
VX0816WBL02

Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.537 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037034.D

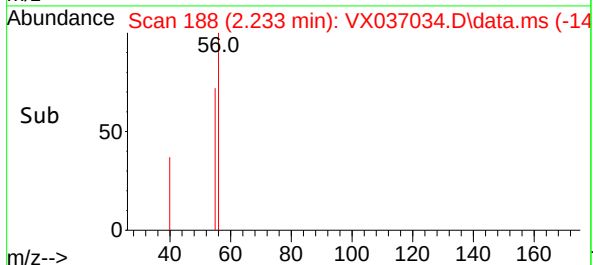
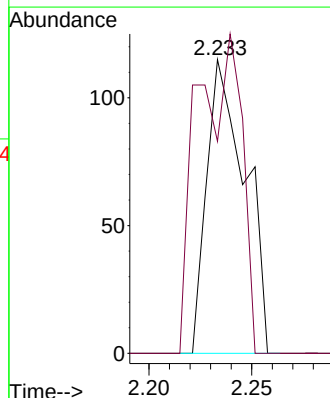
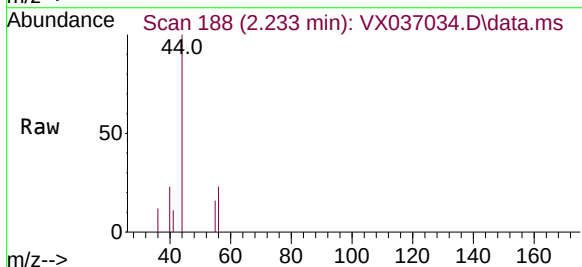
Acq: 17 Aug 2023 02:49

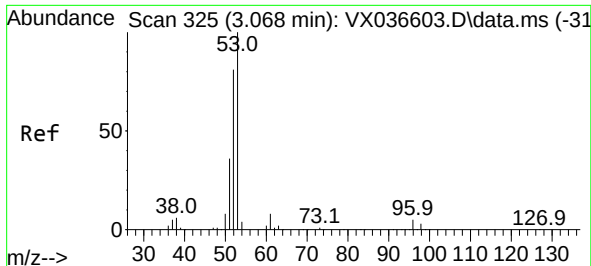
Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 125.5 57.1 85.7#





#15

Acrylonitrile

Concen: 0.464 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

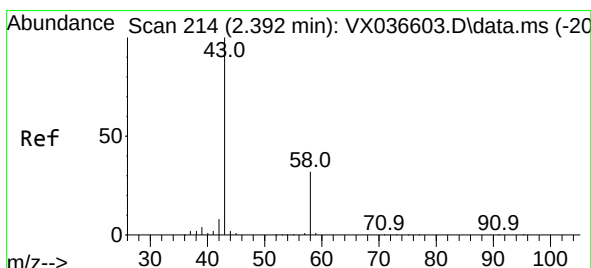
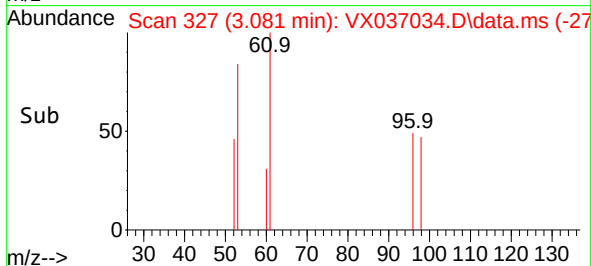
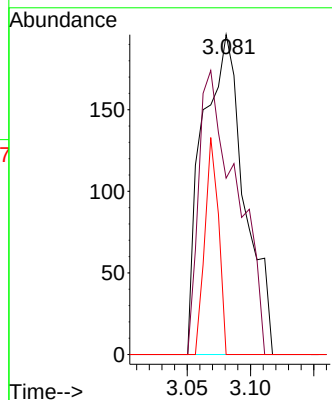
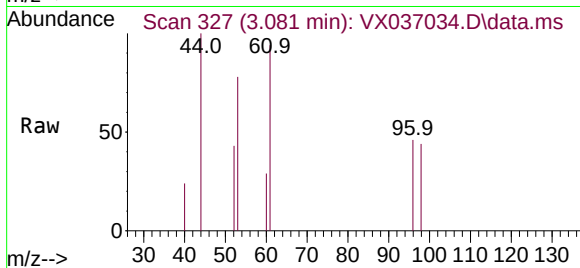
Tgt Ion: 53 Resp: 454

Ion Ratio Lower Upper

53 100

52 79.7 66.0 99.0

51 22.0 29.8 44.6#



#16

Acetone

Concen: 0.818 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.018 min

Lab File: VX037034.D

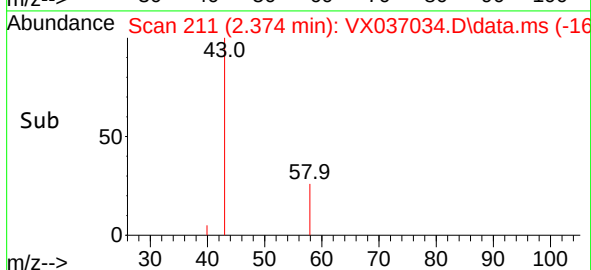
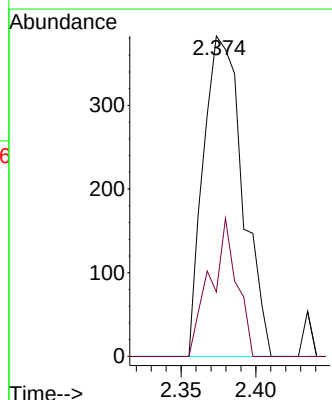
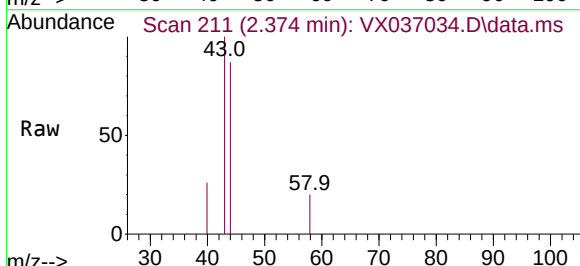
Acq: 17 Aug 2023 02:49

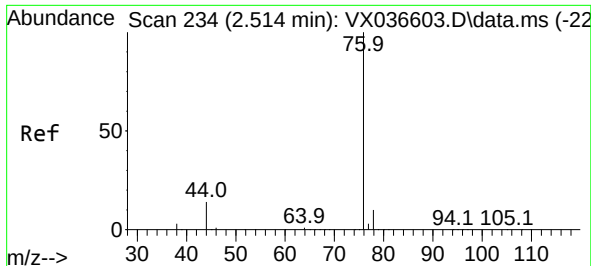
Tgt Ion: 43 Resp: 697

Ion Ratio Lower Upper

43 100

58 20.1 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.368 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Instrument :

MSVOA_X

ClientSampleId :

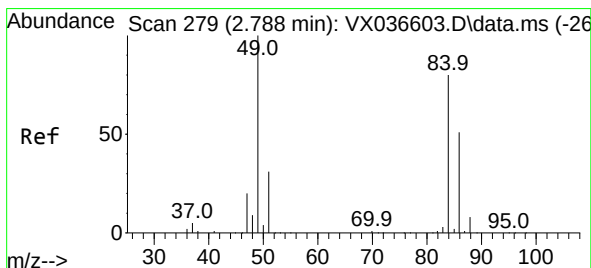
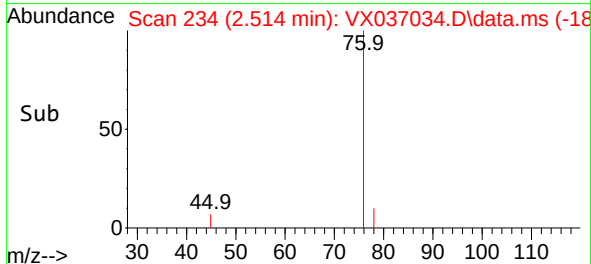
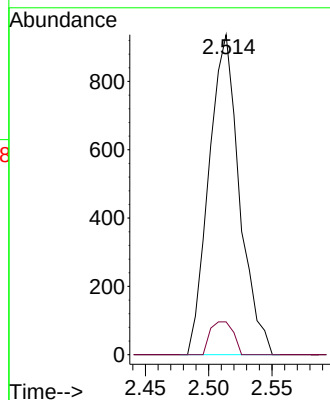
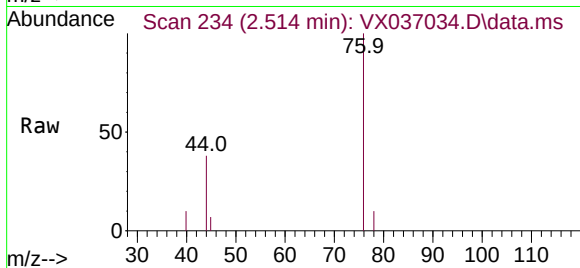
VX0816WBL02

Tgt Ion: 76 Resp: 1578

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.6



#20

Methylene Chloride

Concen: 0.538 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Tgt Ion: 84 Resp: 1021

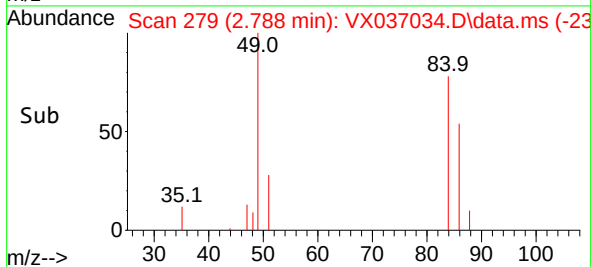
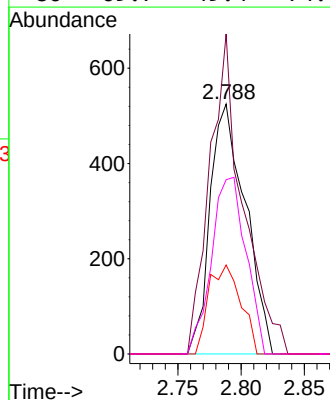
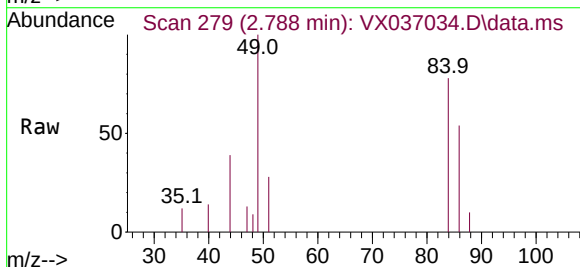
Ion Ratio Lower Upper

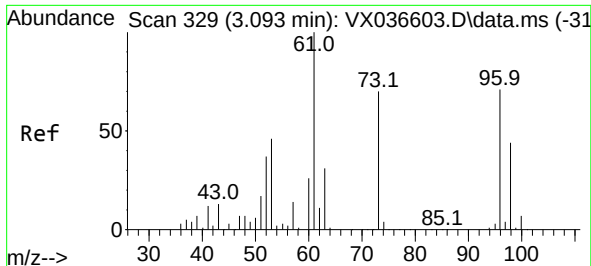
84 100

49 128.0 103.6 155.4

51 35.6 33.8 50.6

86 69.7 49.4 74.0

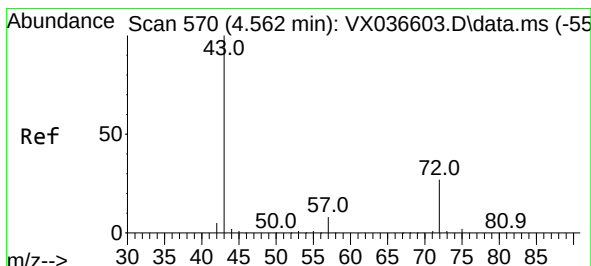
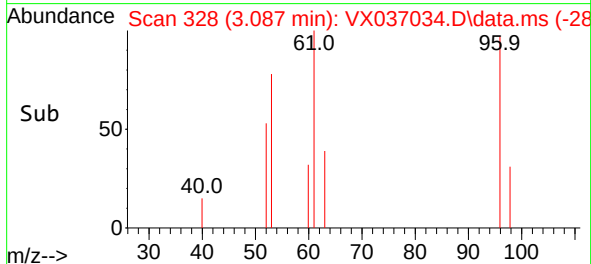
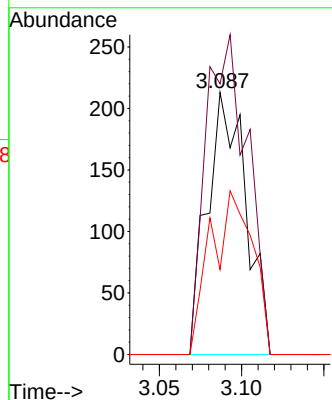
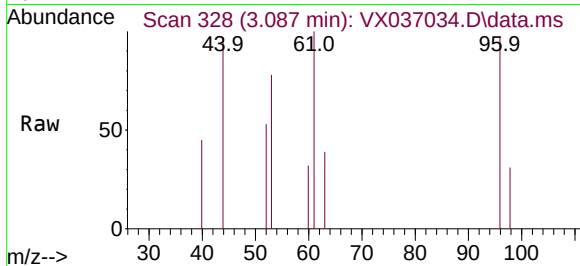




#21
trans-1,2-Dichloroethene
Concen: 0.201 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

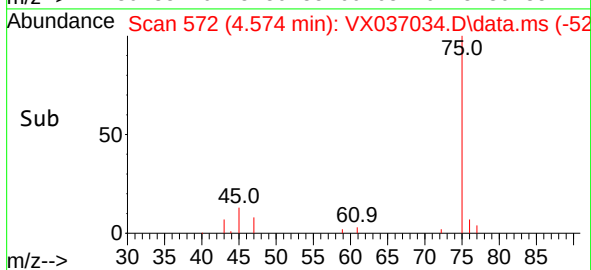
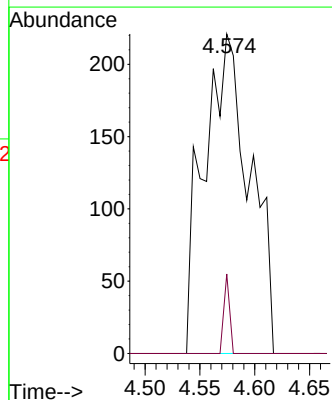
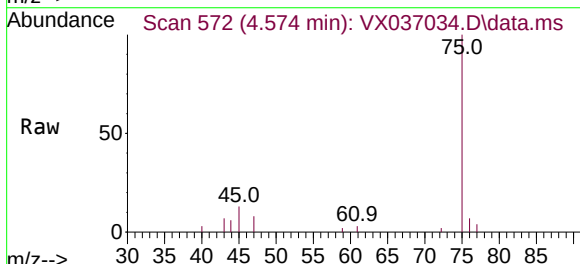
Instrument :
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ClientSampleId :
VX0816WBL02

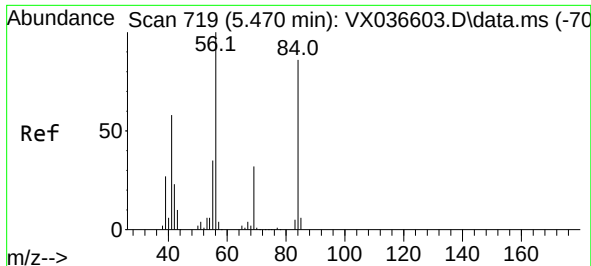
Tgt Ion: 96 Resp: 349
Ion Ratio Lower Upper
96 100
61 103.3 119.2 178.8#
98 32.4 48.7 73.1#



#25
2-Butanone
Concen: 0.466 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.2

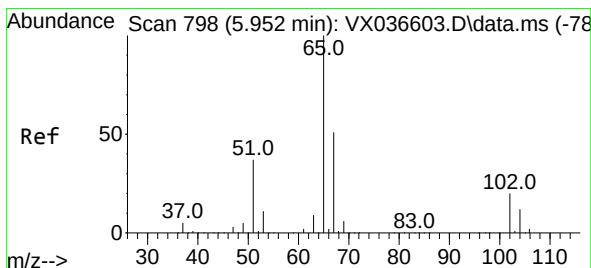
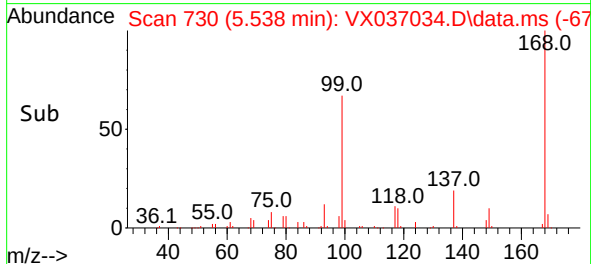
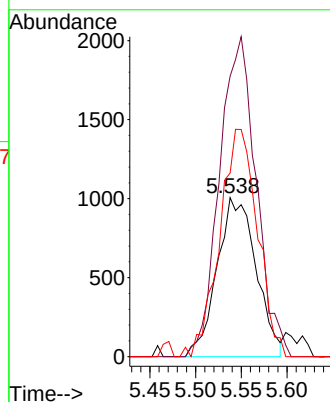
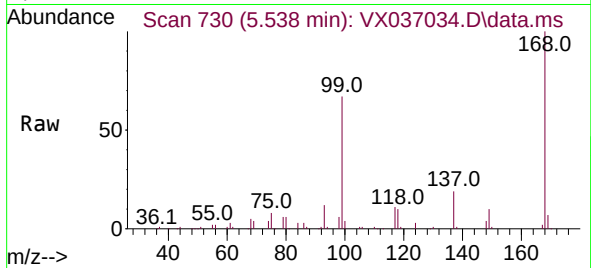




#31
Cyclohexane
Concen: 1.051 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

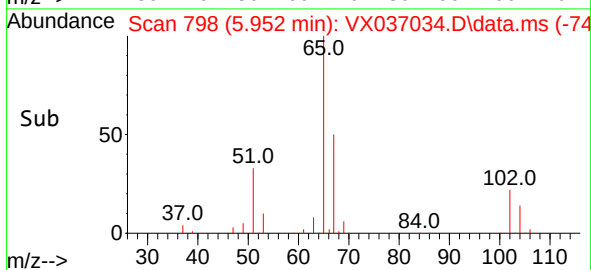
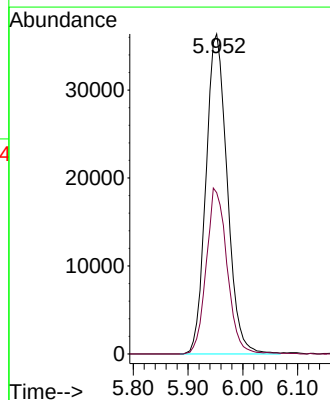
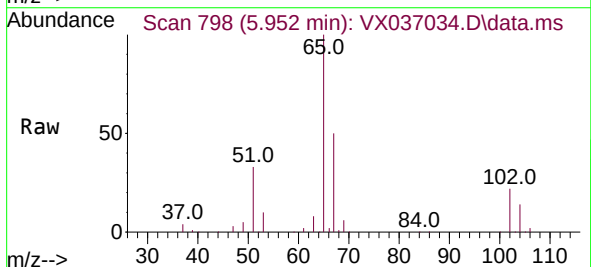
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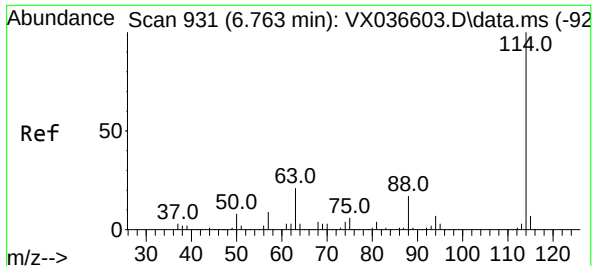
Tgt Ion: 56 Resp: 2990
Ion Ratio Lower Upper
56 100
69 176.4 23.4 35.2#
84 115.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.568 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 65 Resp: 97729
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

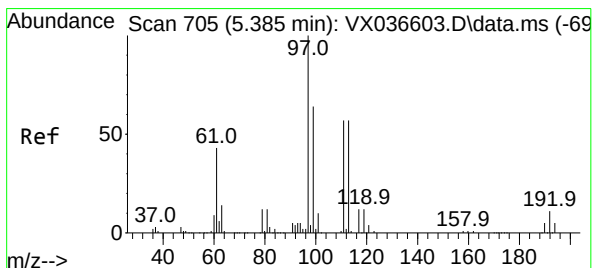
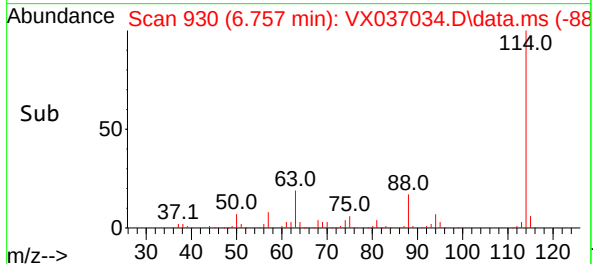
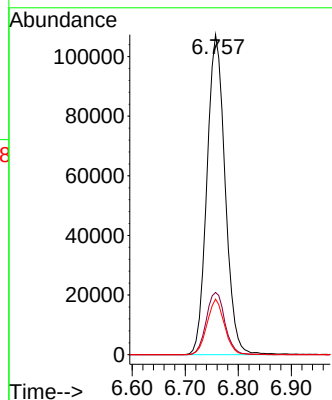
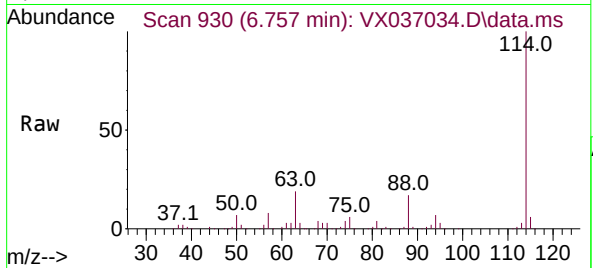




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

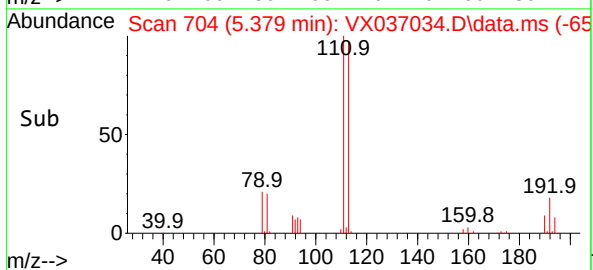
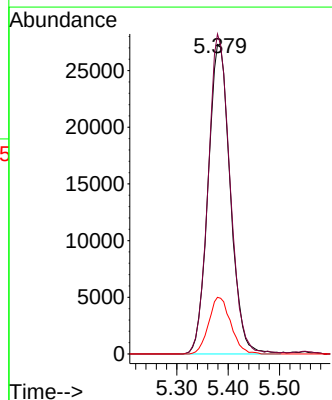
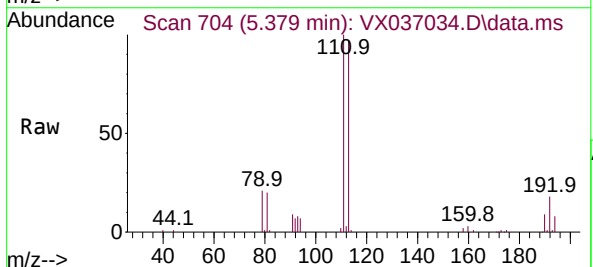
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

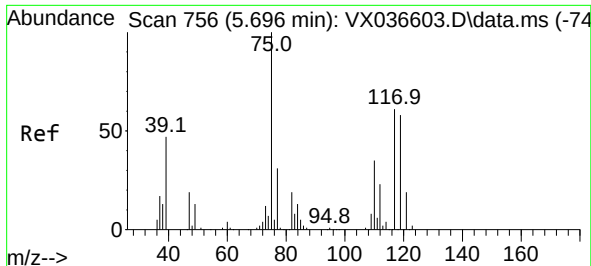
Tgt Ion:114 Resp: 255379
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 17.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.662 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion:113 Resp: 81908
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 18.2 13.3 19.9

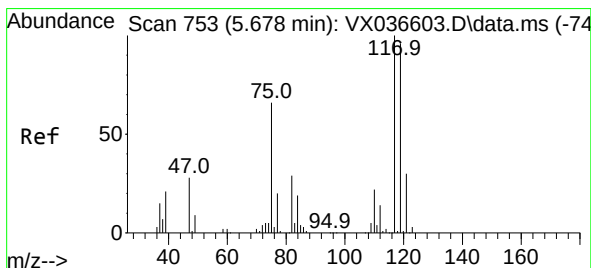
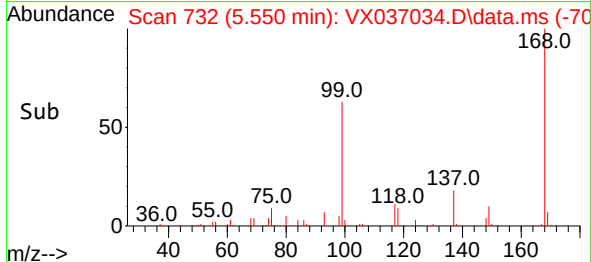
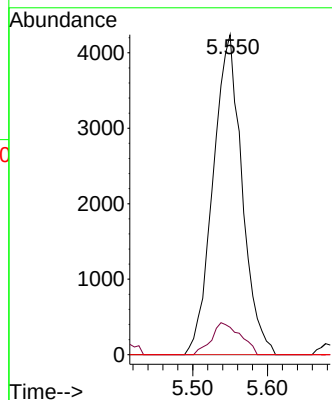
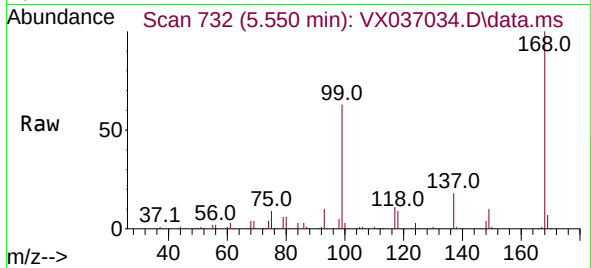




#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

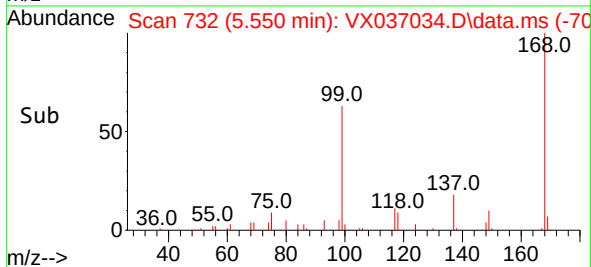
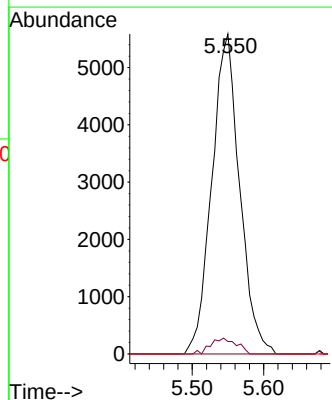
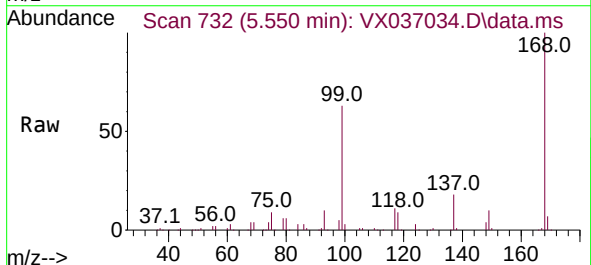
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

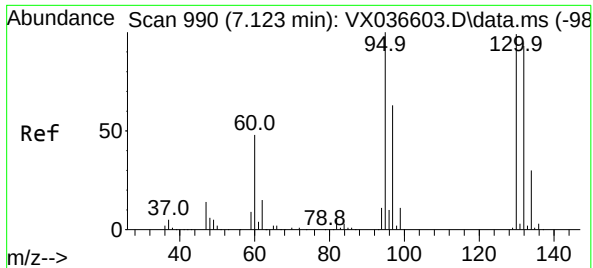
Tgt Ion: 75 Resp: 11414
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.424 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 117 Resp: 15087
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#

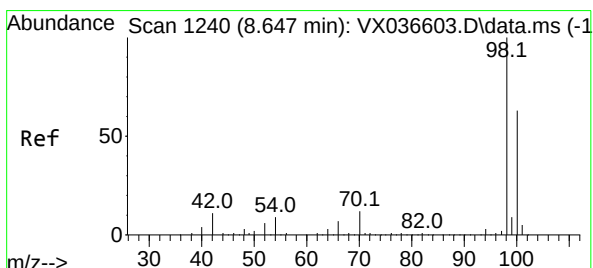
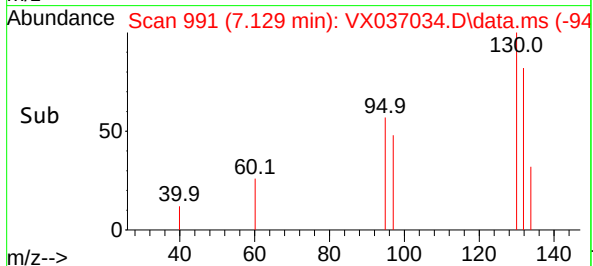
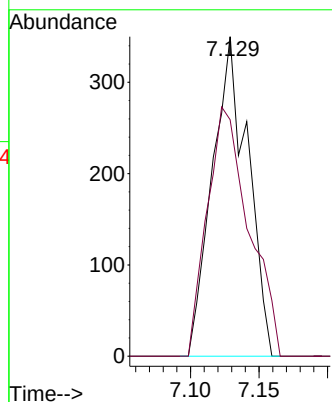
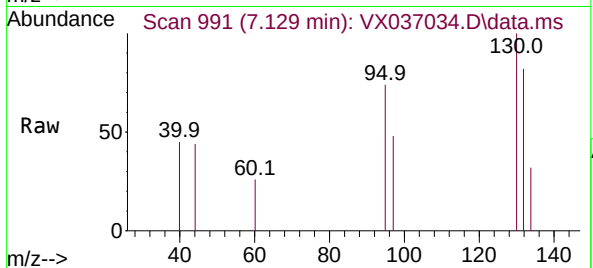




#44
 Trichloroethene
 Concen: 0.317 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX037034.D
 Acq: 17 Aug 2023 02:49

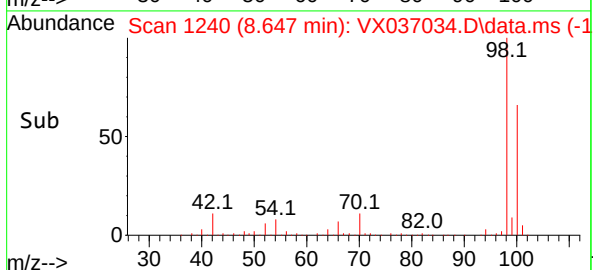
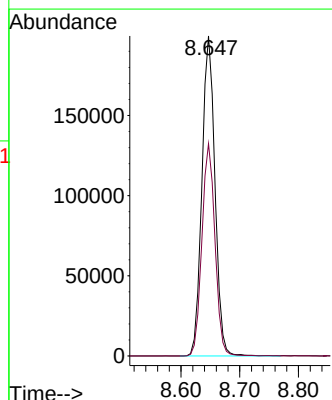
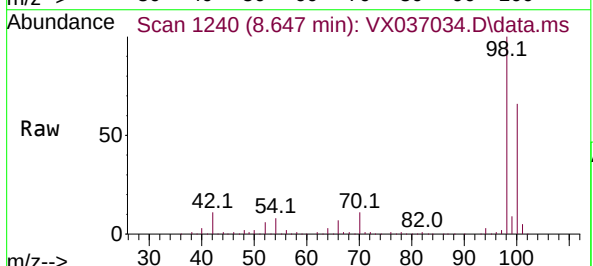
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBL02

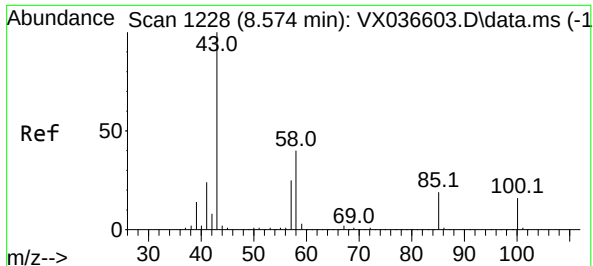
Tgt Ion:130 Resp: 630
 Ion Ratio Lower Upper
 130 100
 95 74.0 0.0 204.4



#50
 Toluene-d8
 Concen: 49.501 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX037034.D
 Acq: 17 Aug 2023 02:49

Tgt Ion: 98 Resp: 308131
 Ion Ratio Lower Upper
 98 100
 100 66.4 53.1 79.7

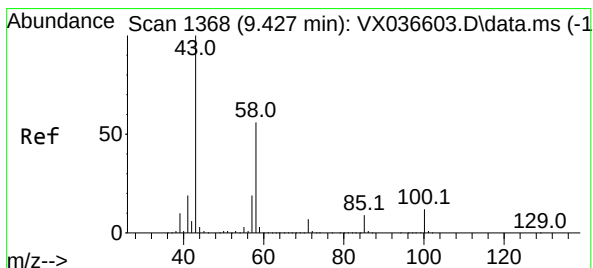
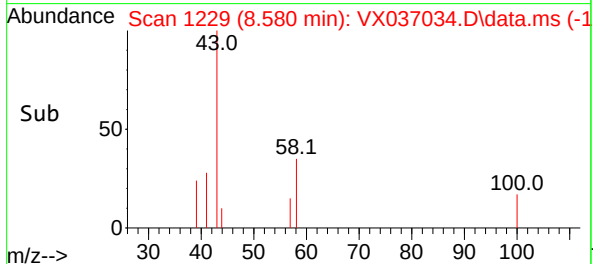
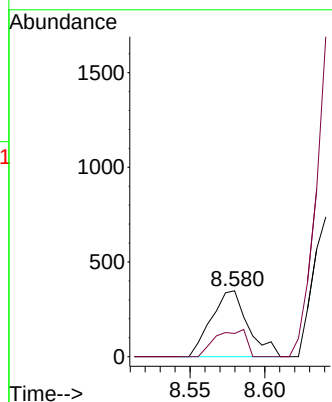
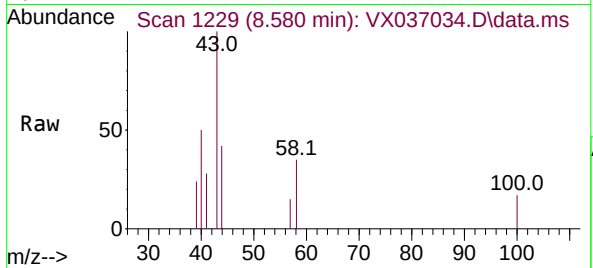




#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

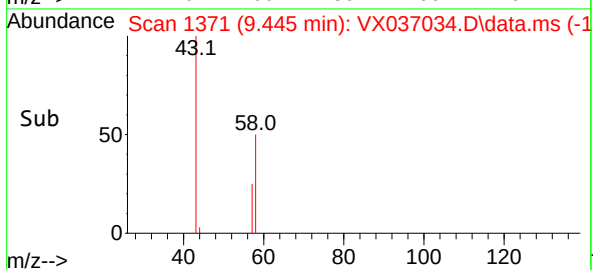
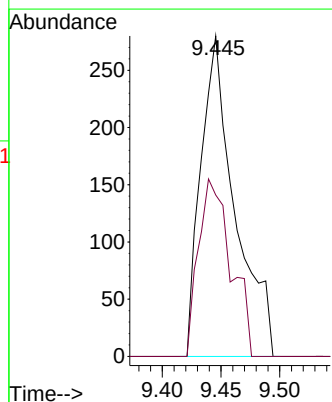
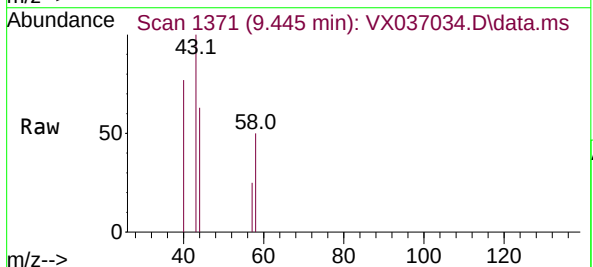
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

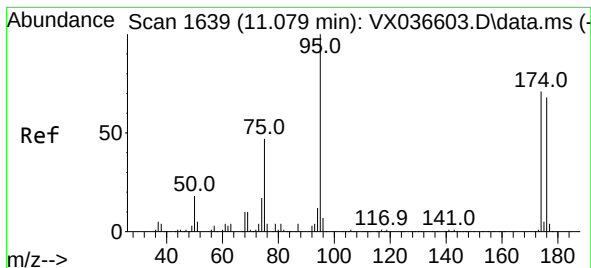
Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
58 34.1 30.4 45.6



#59
2-Hexanone
Concen: 0.270 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.5

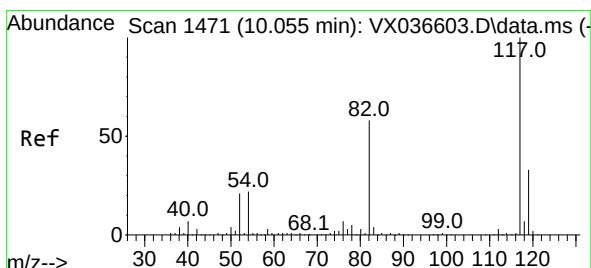
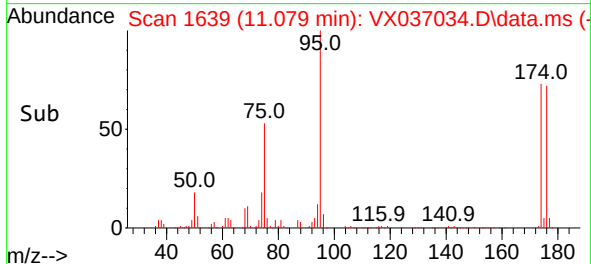
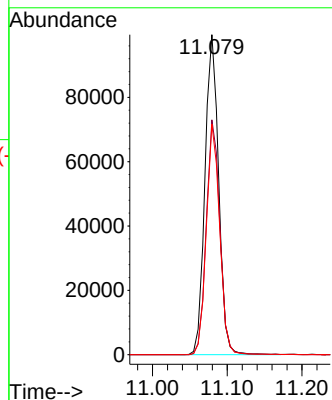
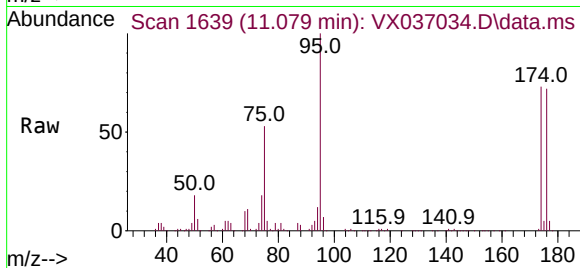




#62
4-Bromofluorobenzene
Concen: 53.805 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

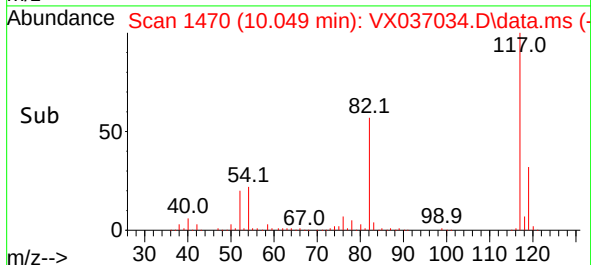
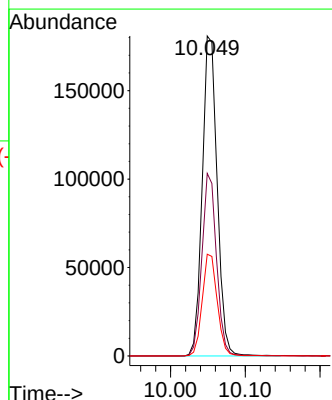
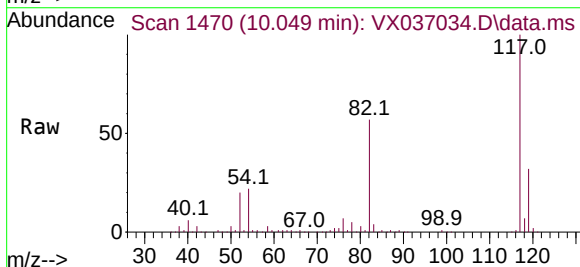
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

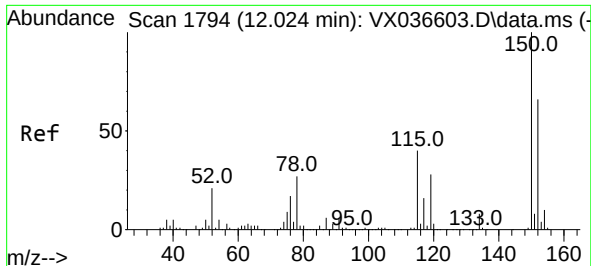
Tgt Ion: 95 Resp: 126361
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 117 Resp: 250909
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 31.8 25.5 38.3

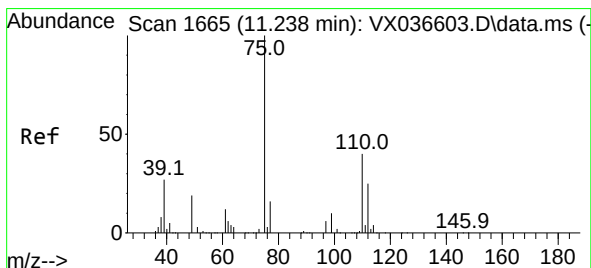
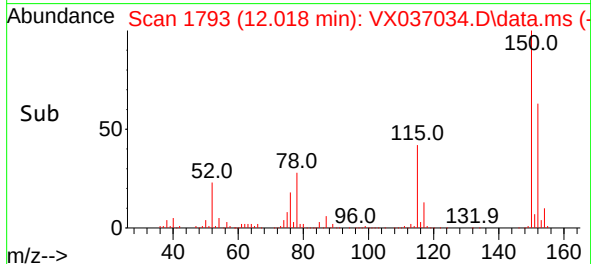
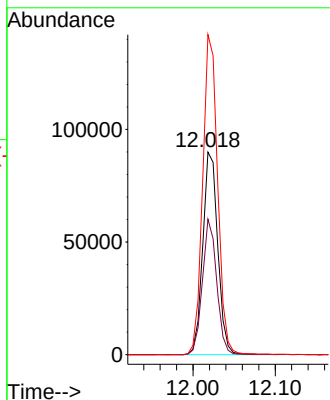
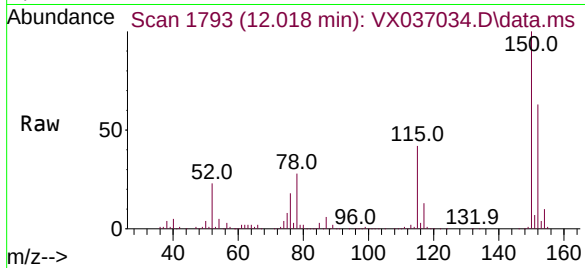




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

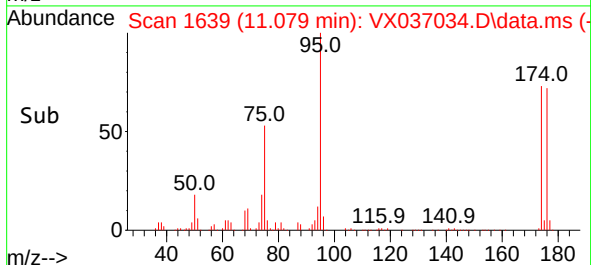
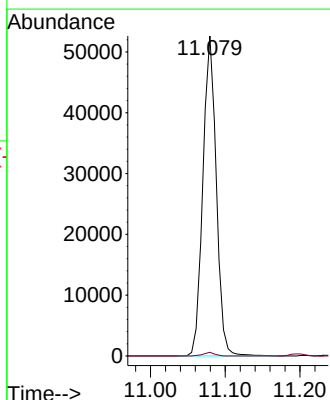
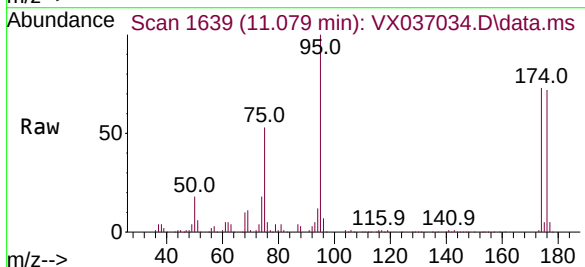
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

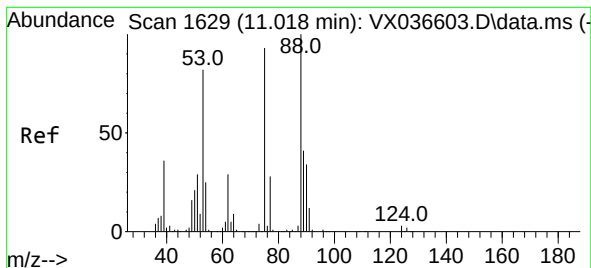
Tgt Ion:152 Resp: 113996
Ion Ratio Lower Upper
152 100
115 63.8 43.3 129.9
150 157.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.422 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 75 Resp: 65484
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

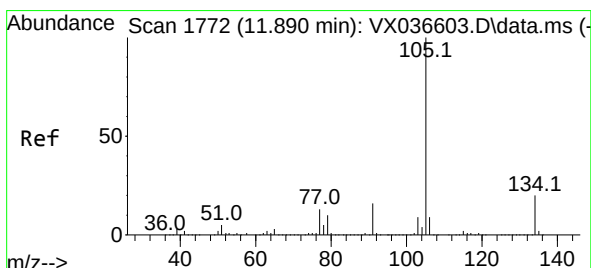
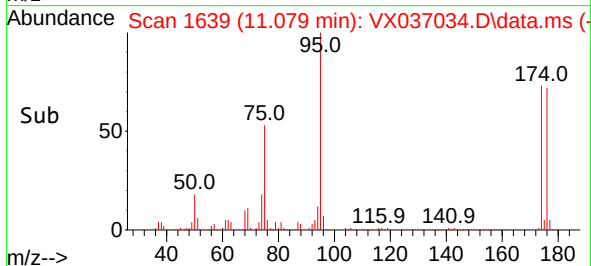
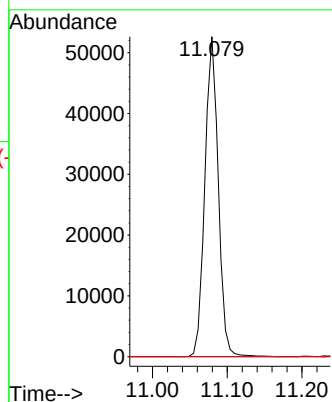
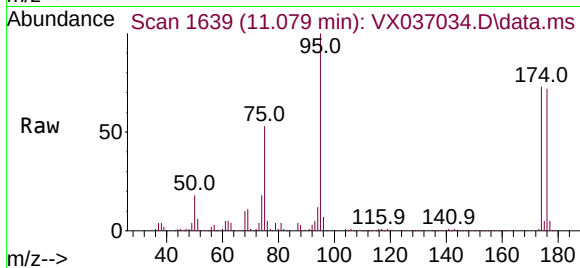




#81
trans-1,4-Dichloro-2-butene
Concen: 55.355 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

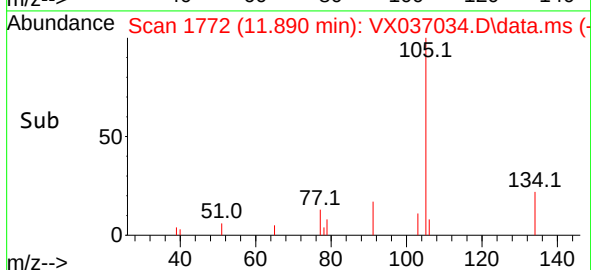
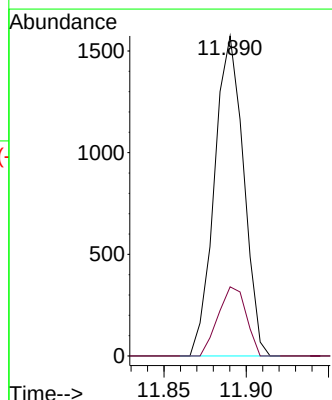
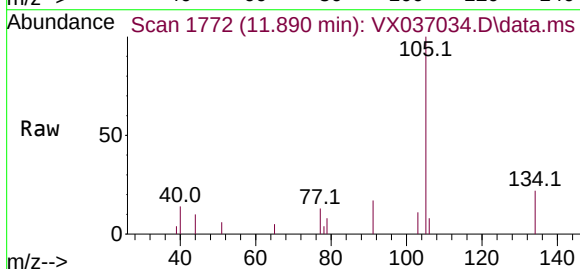
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

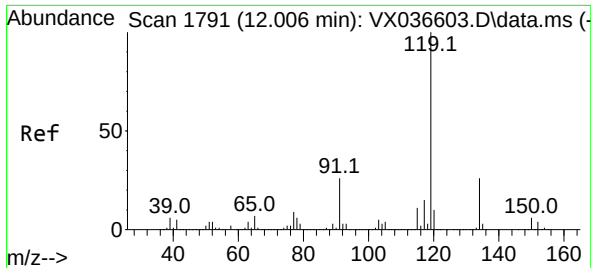
Tgt Ion: 75 Resp: 65484
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#85
sec-Butylbenzene
Concen: 0.200 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 105 Resp: 1937
Ion Ratio Lower Upper
105 100
134 20.8 9.8 29.4

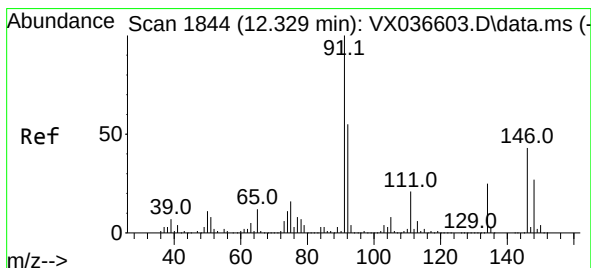
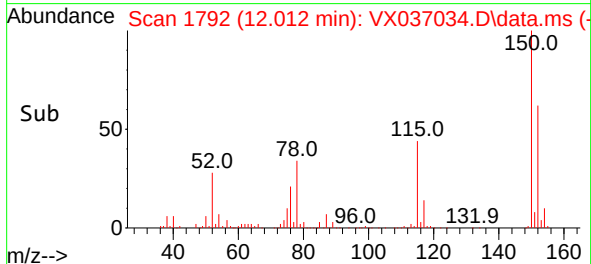
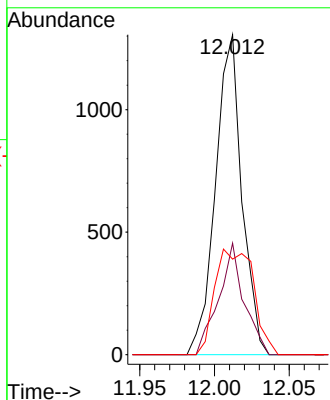
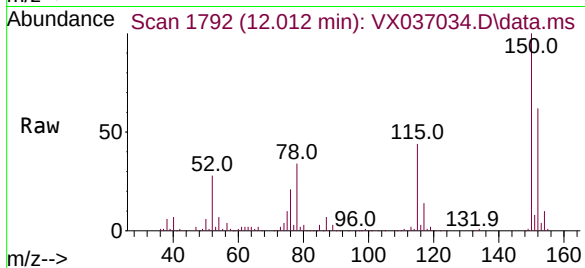




#86
p-Isopropyltoluene
Concen: 0.202 ug/l
RT: 12.012 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

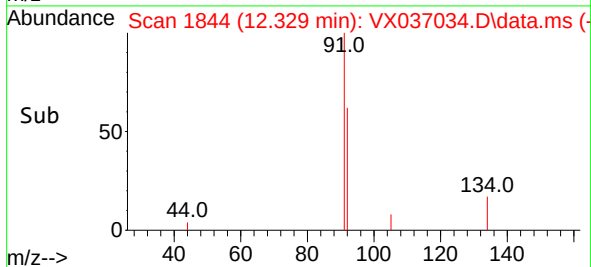
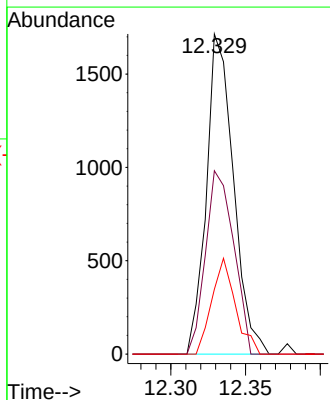
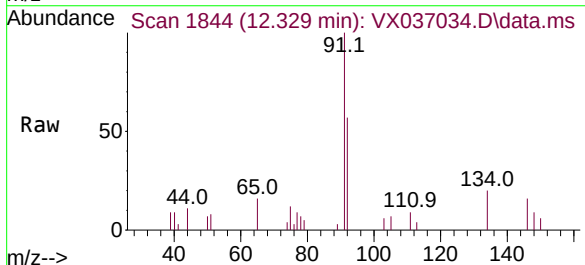
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

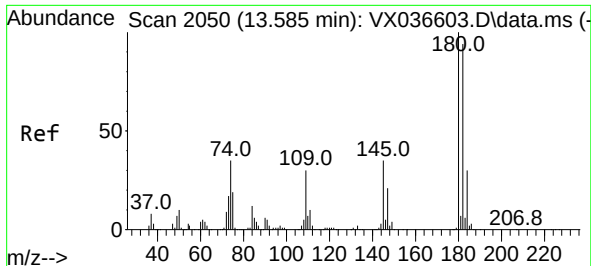
Tgt Ion:119 Resp: 1604
Ion Ratio Lower Upper
119 100
134 33.7 12.8 38.3
91 48.3 13.1 39.3#



#89
n-Butylbenzene
Concen: 0.304 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX037034.D
Acq: 17 Aug 2023 02:49

Tgt Ion: 91 Resp: 2162
Ion Ratio Lower Upper
91 100
92 59.4 27.4 82.0
134 26.0 12.6 37.8

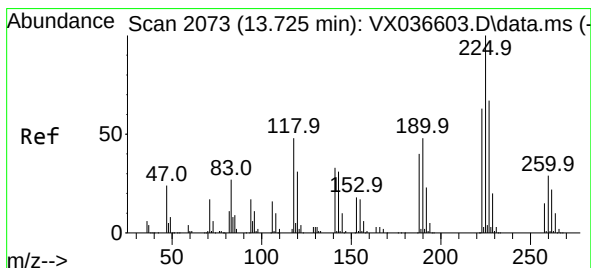
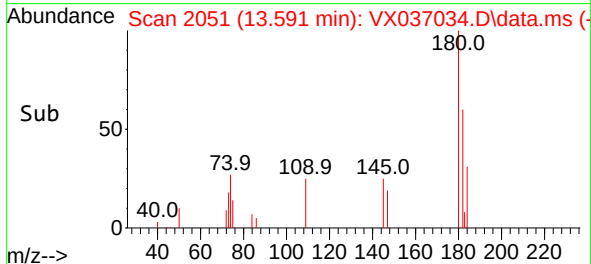
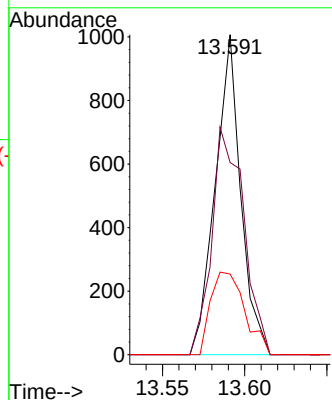
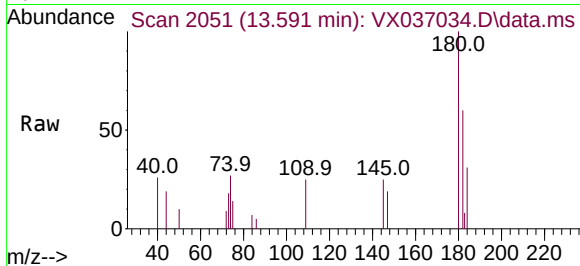




#93
 1,2,4-Trichlorobenzene
 Concen: 0.458 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX037034.D
 Acq: 17 Aug 2023 02:49

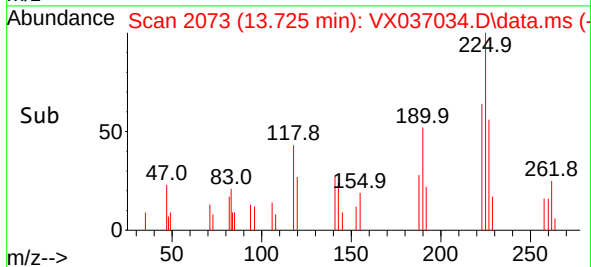
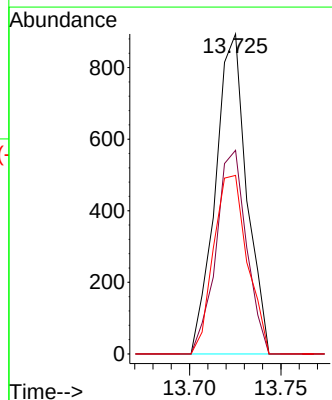
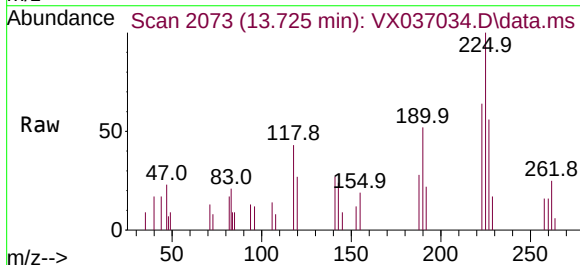
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBL02

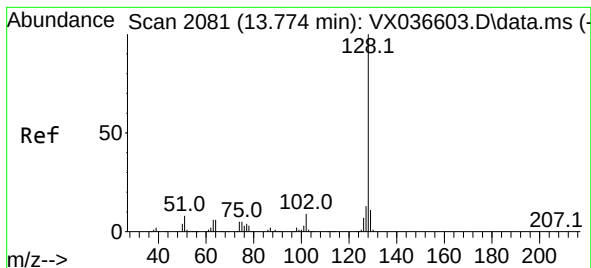
Tgt Ion:180 Resp: 1083
 Ion Ratio Lower Upper
 180 100
 182 89.0 48.3 144.8
 145 34.6 18.0 54.0



#94
 Hexachlorobutadiene
 Concen: 1.089 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX037034.D
 Acq: 17 Aug 2023 02:49

Tgt Ion:225 Resp: 1066
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.2
 227 60.2 32.5 97.5





#95

Naphthalene

Concen: 0.464 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

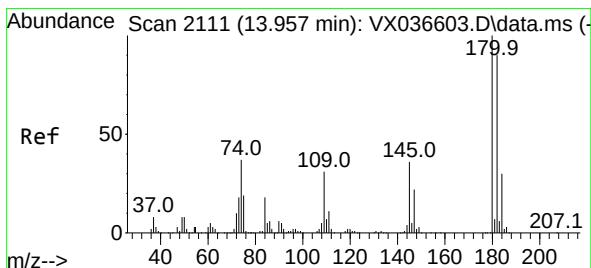
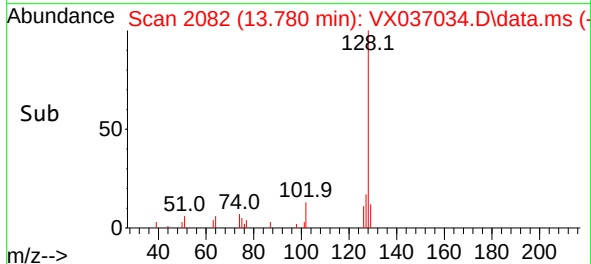
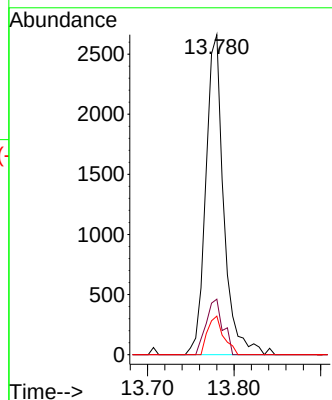
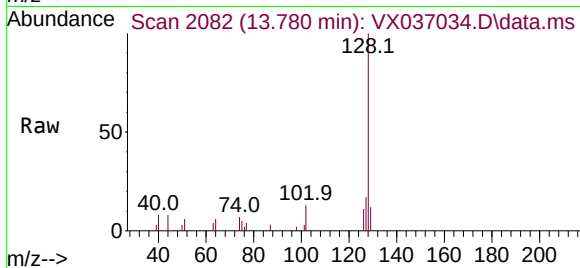
Tgt Ion:128 Resp: 3828

Ion Ratio Lower Upper

128 100

127 16.3 10.3 15.5#

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.491 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX037034.D

Acq: 17 Aug 2023 02:49

Tgt Ion:180 Resp: 1145

Ion Ratio Lower Upper

180 100

182 88.6 46.9 140.6

145 34.1 17.8 53.5

