

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013943.D
 Acq On : 31 May 2023 18:09
 Operator : KP/MD
 Sample : 02852-10
 Misc : 6.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 01 03:31:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

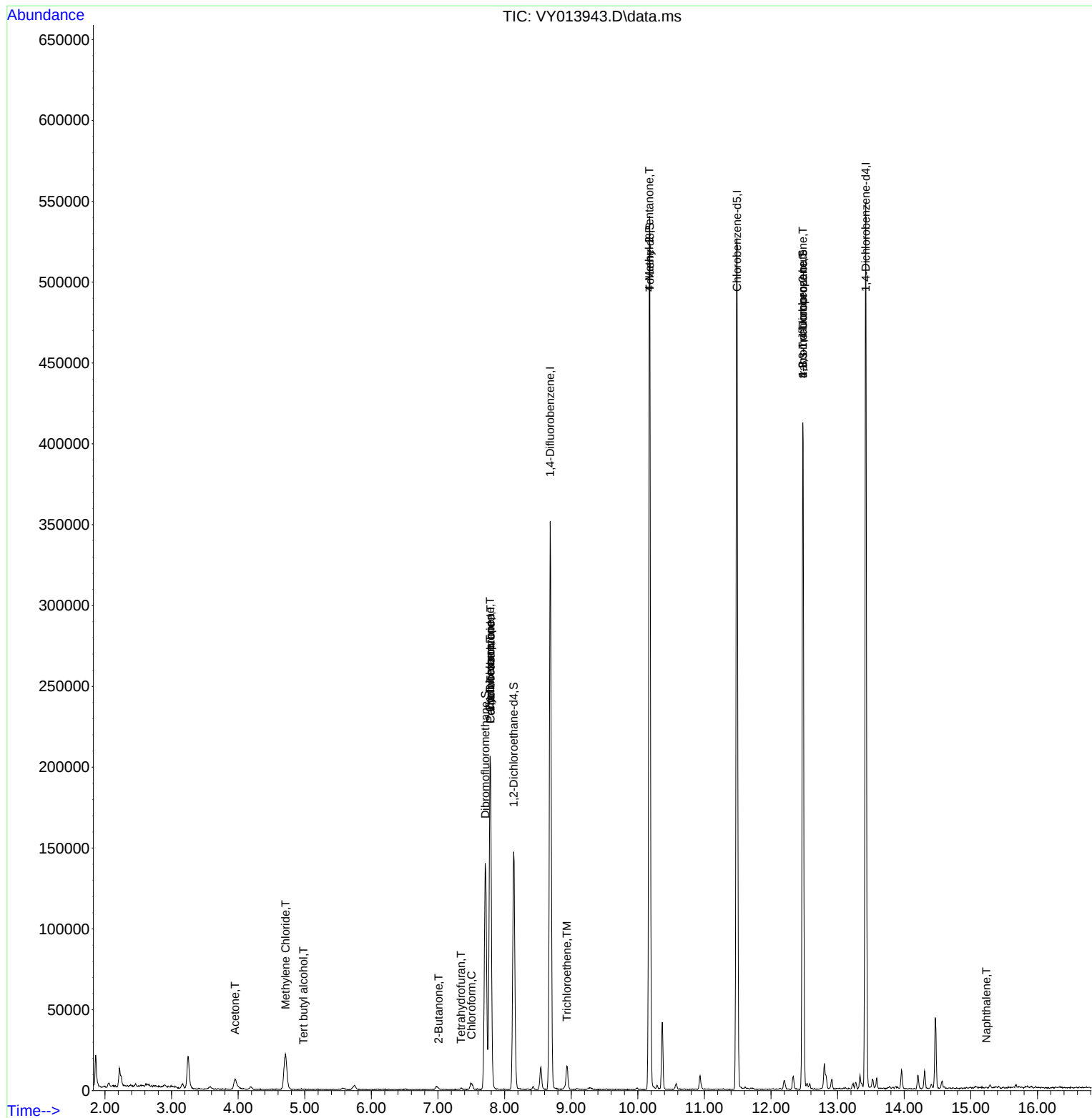
Internal Standards						
1) Pentafluorobenzene	7.789	168	163459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284315	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	285528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122172	64.605	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.220%	
35) Dibromofluoromethane	7.710	113	94833	51.649	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.300%	
50) Toluene-d8	10.179	98	349184	50.037	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.477	95	117193	50.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	329	2.271	ug/l #	73
16) Acetone	3.954	43	14430	25.710	ug/l	94
20) Methylene Chloride	4.710	84	15782	5.679	ug/l	97
25) 2-Butanone	7.009	43	765	1.117	ug/l #	87
29) Tetrahydrofuran	7.344	42	567	1.387	ug/l #	83
30) Chloroform	7.502	83	4219	1.265	ug/l	86
31) Cyclohexane	7.783	56	3801	1.308	ug/l #	34
36) 1,1-Dichloropropene	7.783	75	12783	4.571	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15823	4.975	ug/l #	17
44) Trichloroethene	8.935	130	5348	2.471	ug/l	73
51) 4-Methyl-2-Pentanone	10.173	43	1720	1.038	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	67039	43.144	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67039	93.652	ug/l #	10
95) Naphthalene	15.233	128	720	4.665	ug/l #	85

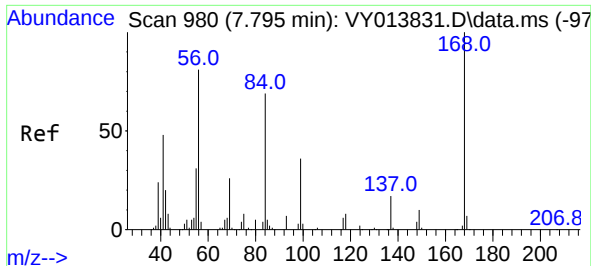
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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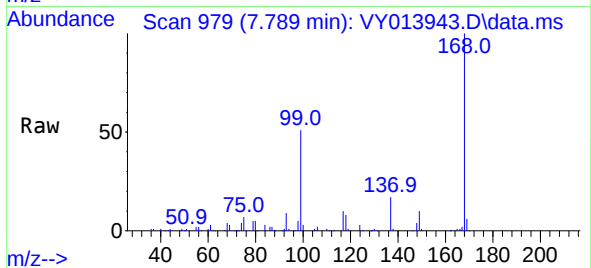
Quant Time: Jun 01 03:31:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
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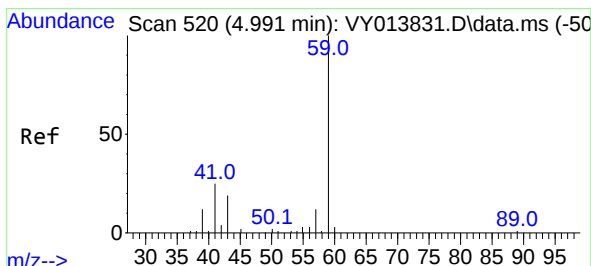
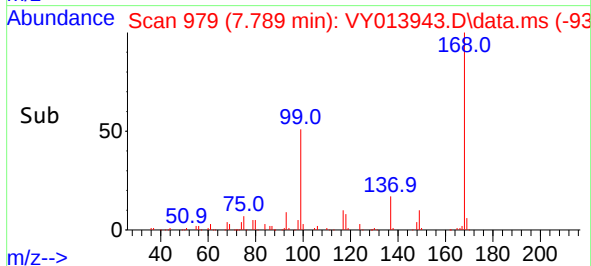
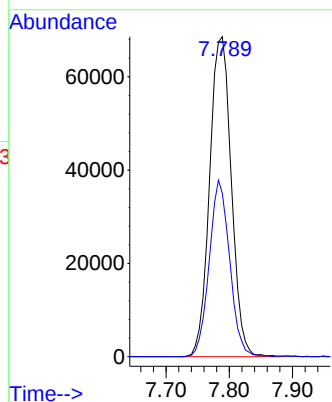


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

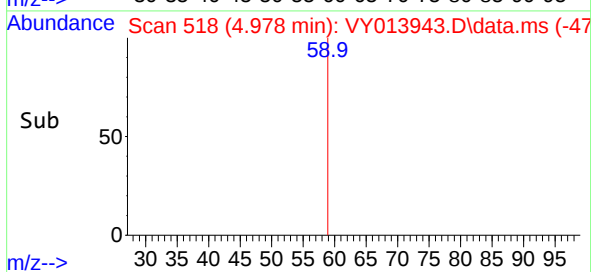
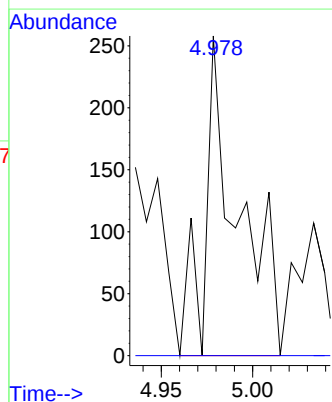
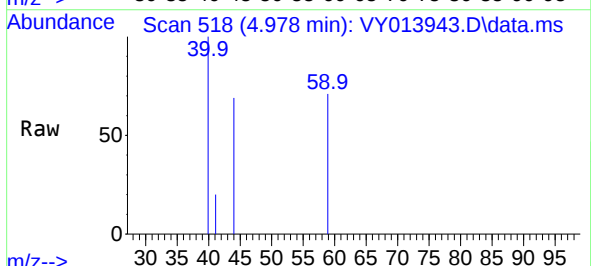


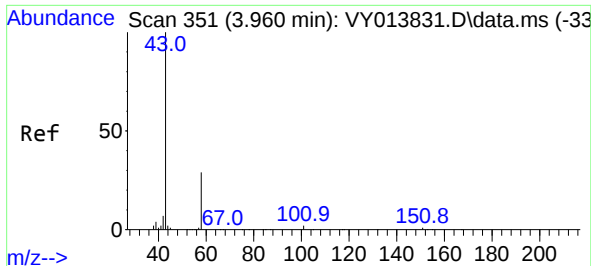
Tgt Ion:168 Resp: 163459
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.2



#11
Tert butyl alcohol
Concen: 2.271 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.012 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

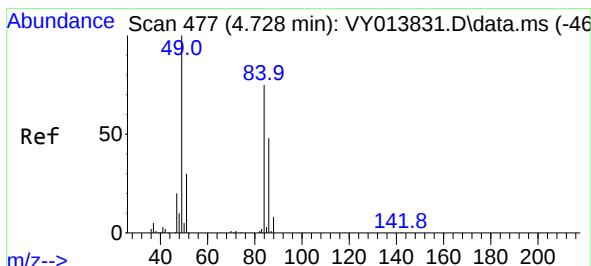
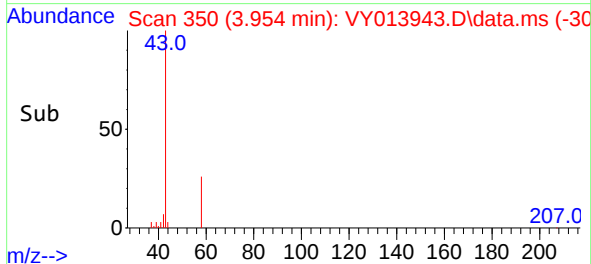
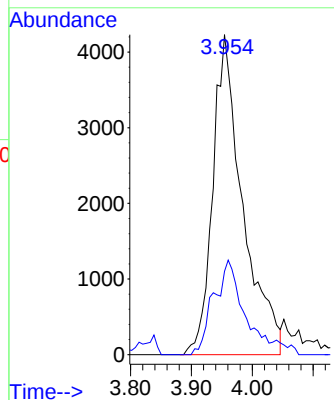
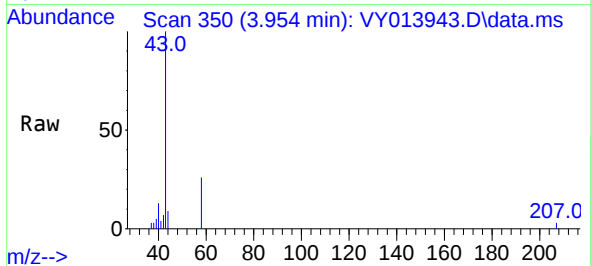




#16
Acetone
Concen: 25.710 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

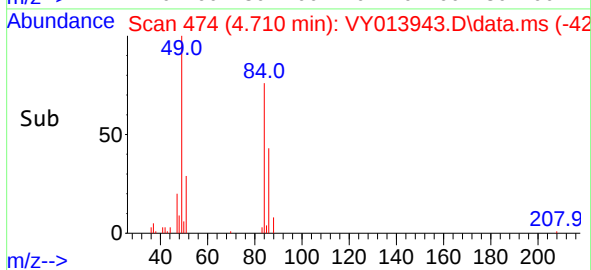
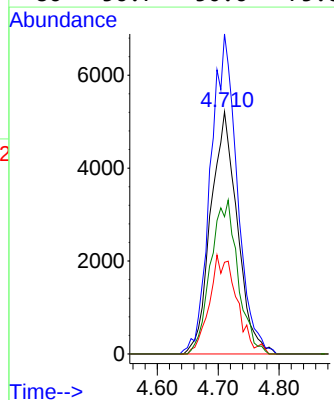
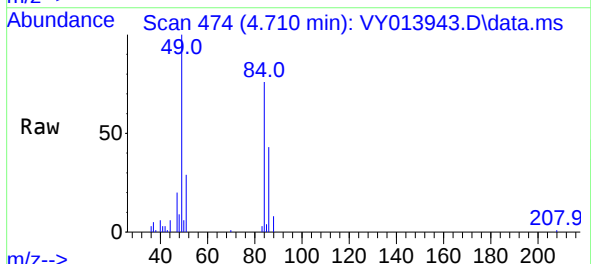
Instrument :
MSVOA_Y
ClientSampleId :

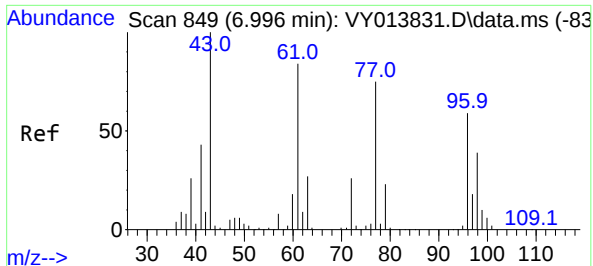
Tgt Ion: 43 Resp: 14430
Ion Ratio Lower Upper
43 100
58 26.1 23.3 34.9



#20
Methylene Chloride
Concen: 5.679 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion: 84 Resp: 15782
Ion Ratio Lower Upper
84 100
49 132.1 106.2 159.2
51 37.8 31.4 47.0
86 56.7 50.6 75.8





#25

2-Butanone

Concen: 1.117 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY013943.D

Acq: 31 May 2023 18:09

Instrument :

MSVOA_Y

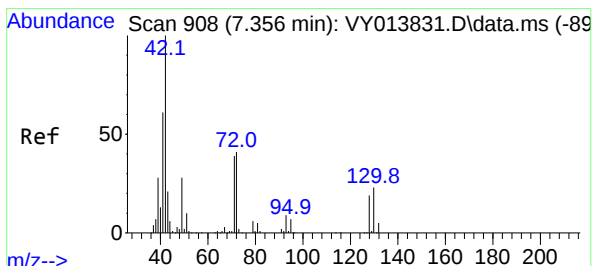
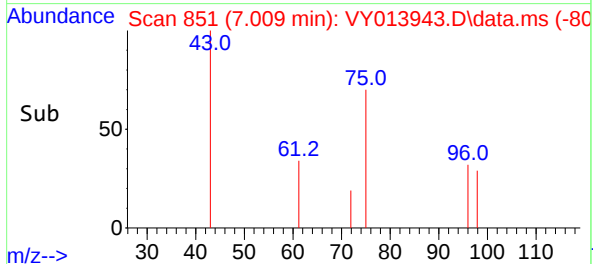
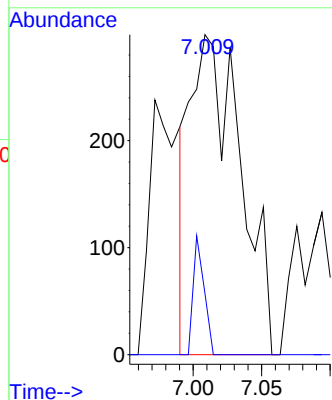
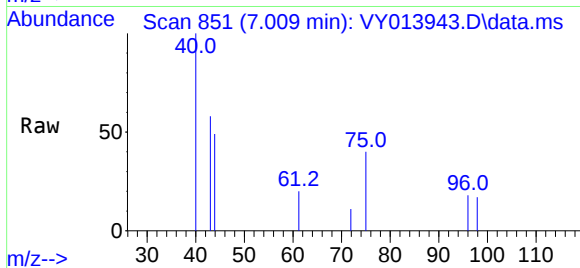
ClientSampleId :

Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

72 19.1 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.387 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.012 min

Lab File: VY013943.D

Acq: 31 May 2023 18:09

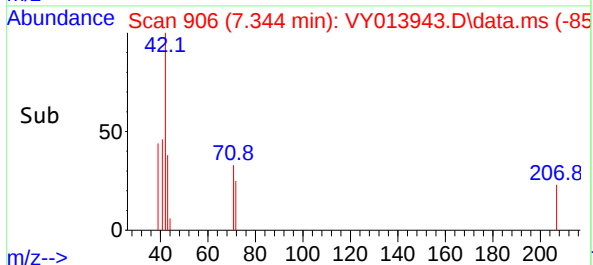
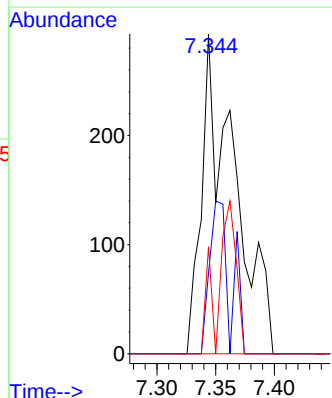
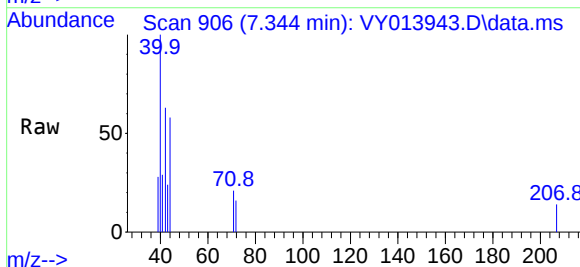
Tgt Ion: 42 Resp: 567

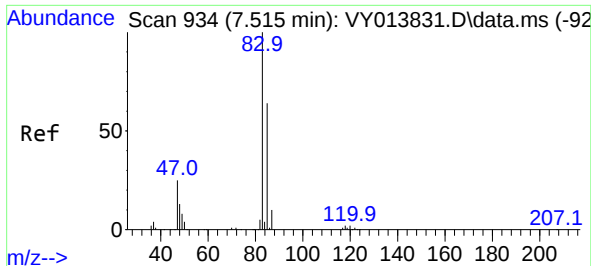
Ion Ratio Lower Upper

42 100

72 29.8 31.7 47.5#

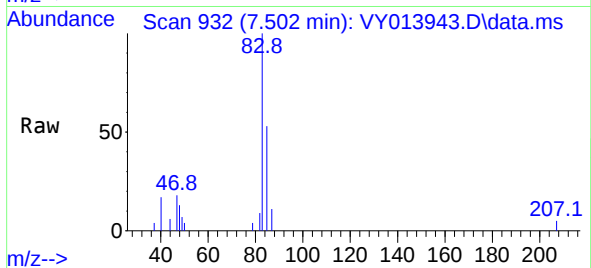
71 27.3 30.6 45.8#



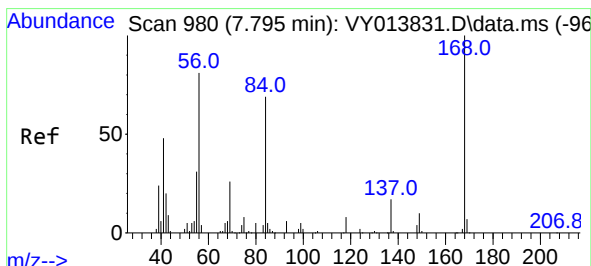
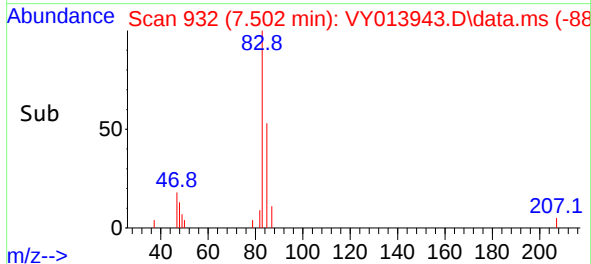
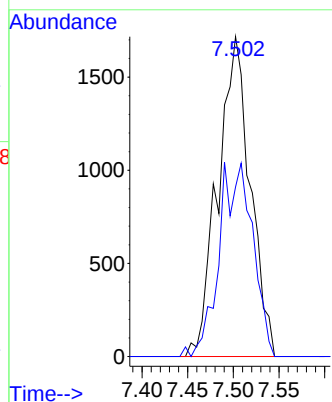


#30
Chloroform
Concen: 1.265 ug/l
RT: 7.502 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

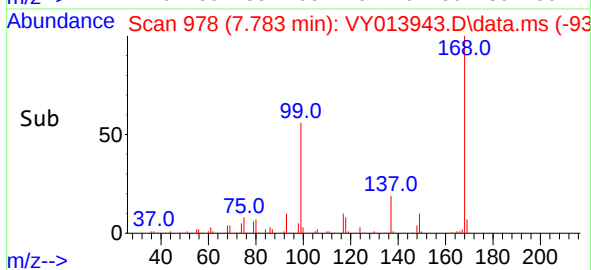
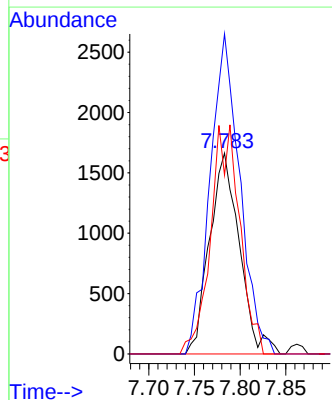
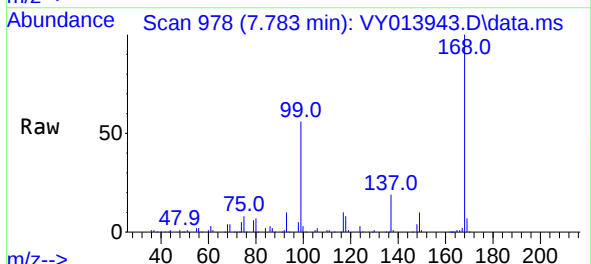


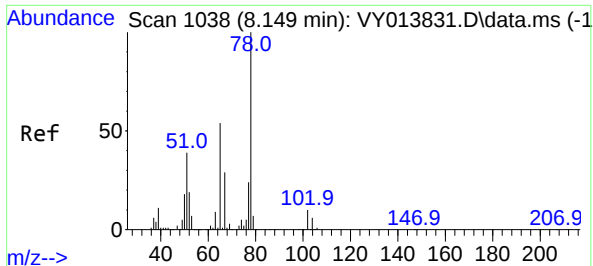
Tgt Ion: 83 Resp: 4219
Ion Ratio Lower Upper
83 100
85 53.1 51.0 76.6



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.012 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion: 56 Resp: 3801
Ion Ratio Lower Upper
56 100
69 159.4 25.8 38.8#
84 89.1 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 64.605 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY013943.D

Acq: 31 May 2023 18:09

Instrument :

MSVOA_Y

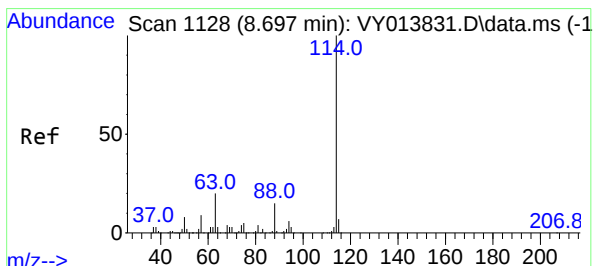
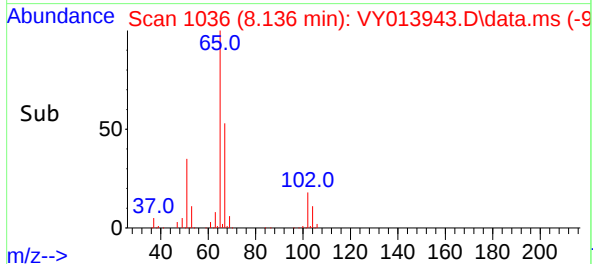
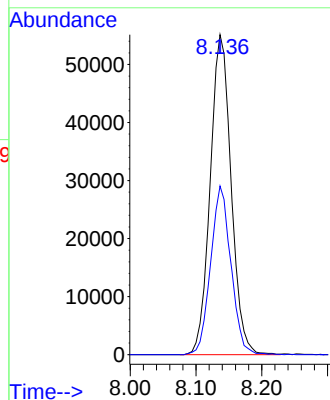
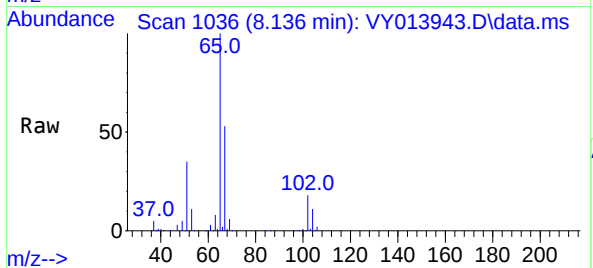
ClientSampleId :

Tgt Ion: 65 Resp: 122172

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013943.D

Acq: 31 May 2023 18:09

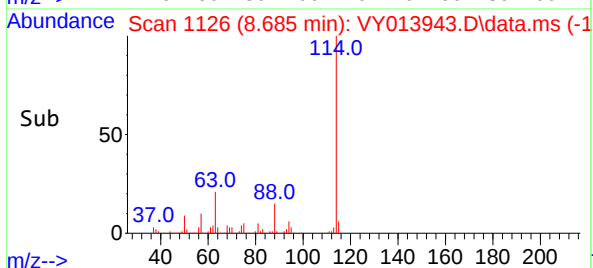
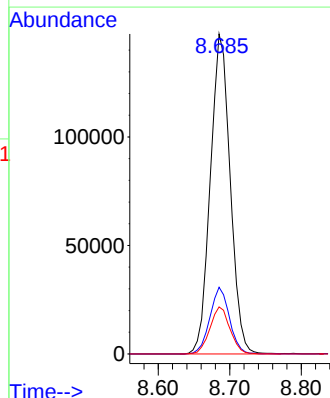
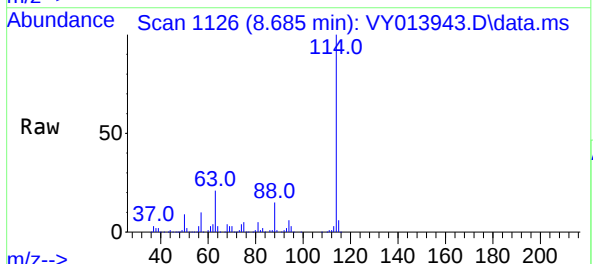
Tgt Ion: 114 Resp: 284315

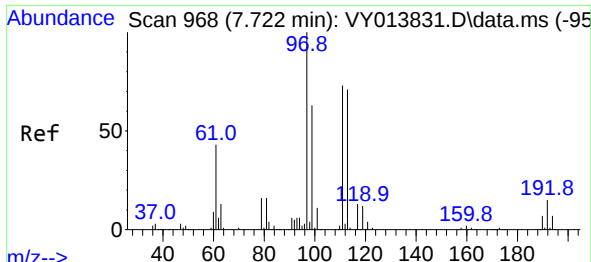
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.649 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.012 min

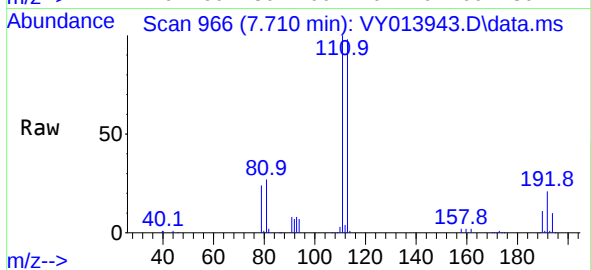
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Acq: 31 May 2023 18:09

Instrument :

MSVOA_Y

ClientSampleId :



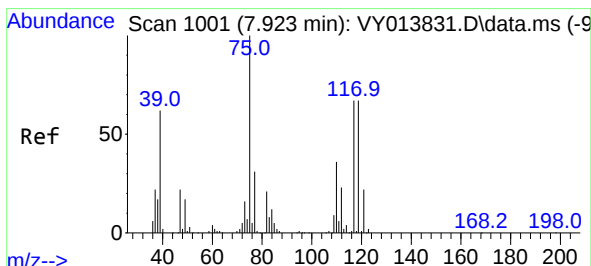
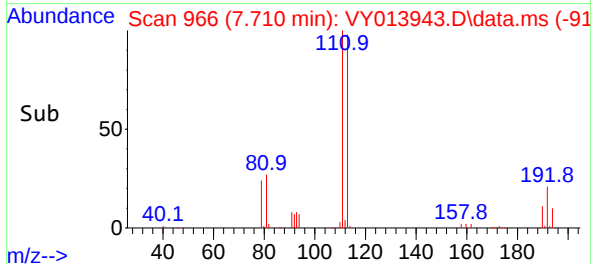
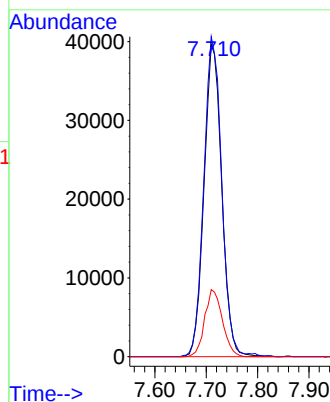
Tgt Ion:113 Resp: 94833

Ion Ratio Lower Upper

113 100

111 103.0 80.4 120.6

192 21.5 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.140 min

Lab File: VY013943.D

Acq: 31 May 2023 18:09

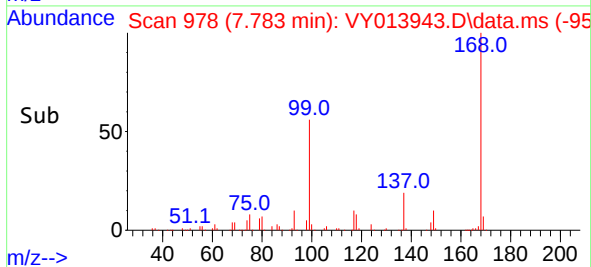
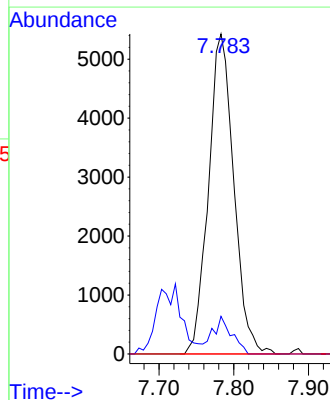
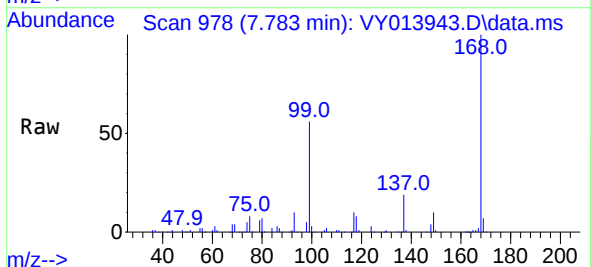
Tgt Ion: 75 Resp: 12783

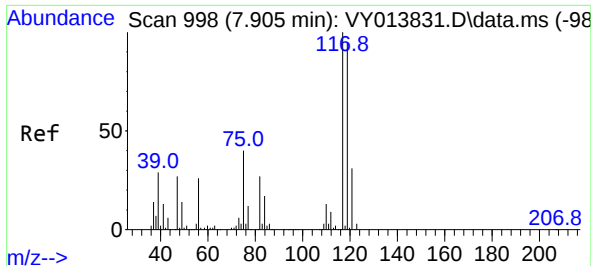
Ion Ratio Lower Upper

75 100

110 8.7 17.5 52.6#

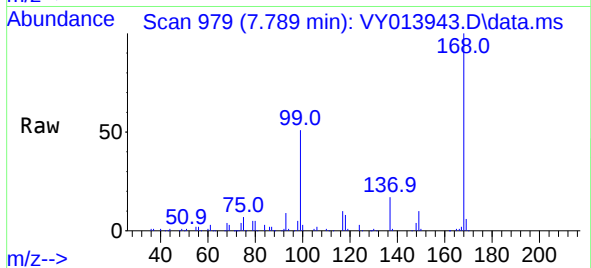
77 0.0 24.4 36.6#



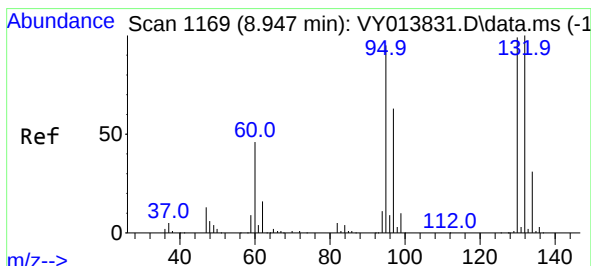
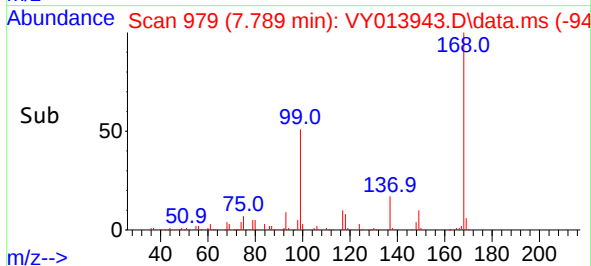
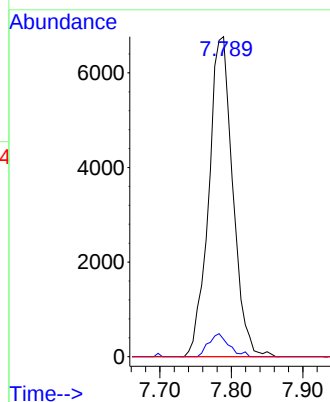


#38
Carbon Tetrachloride
Concen: 4.975 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

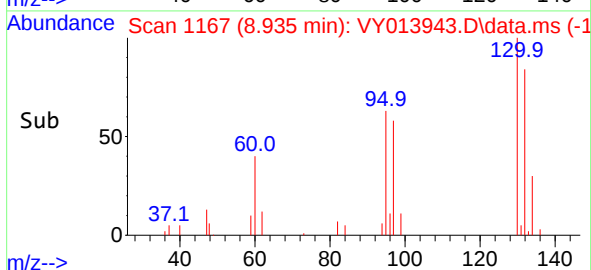
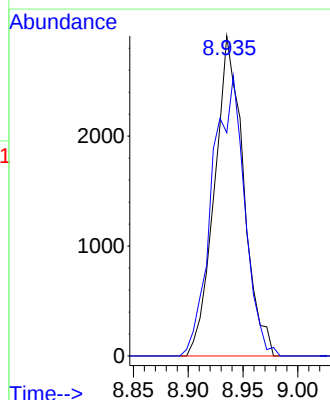
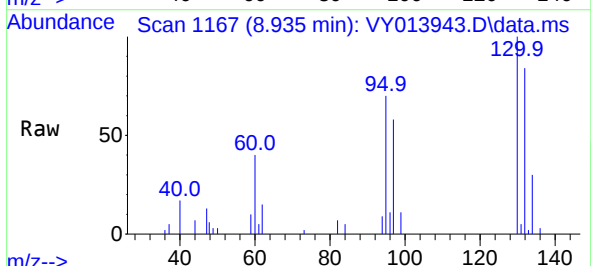


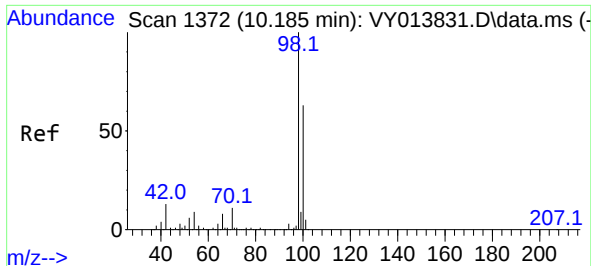
Tgt Ion:117 Resp: 15823
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 2.471 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.012 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion:130 Resp: 5348
Ion Ratio Lower Upper
130 100
95 69.7 0.0 192.8

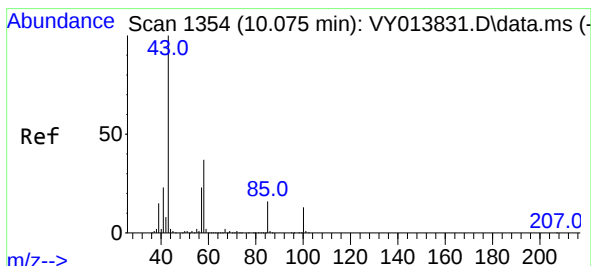
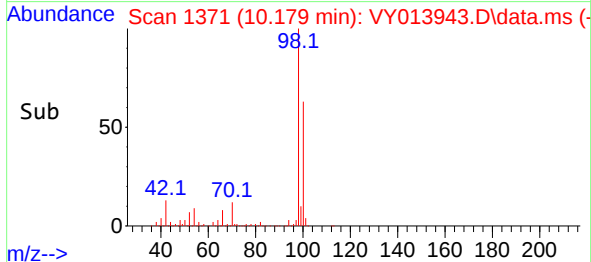
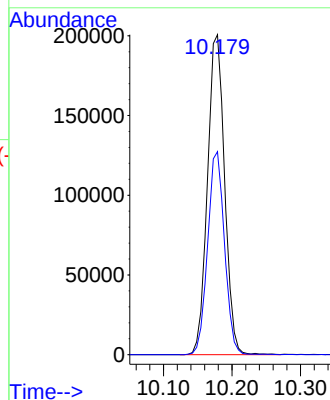
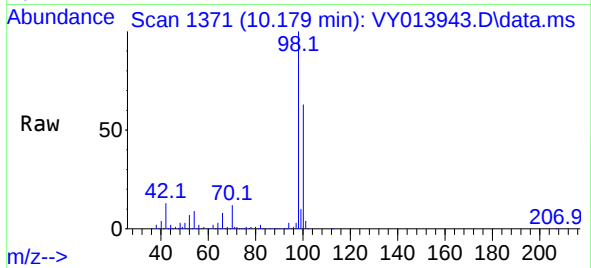




#50
Toluene-d8
Concen: 50.037 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

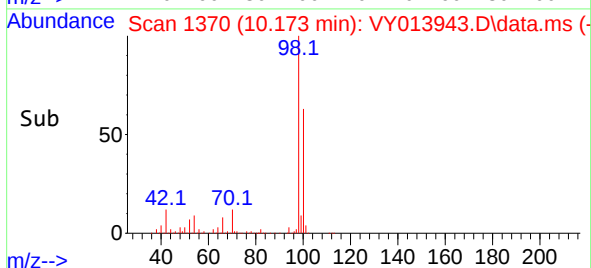
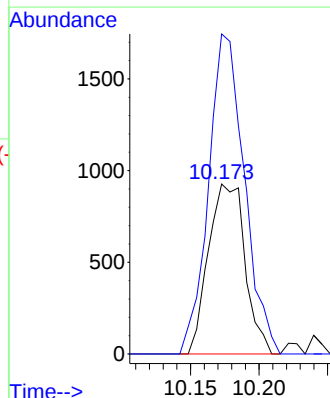
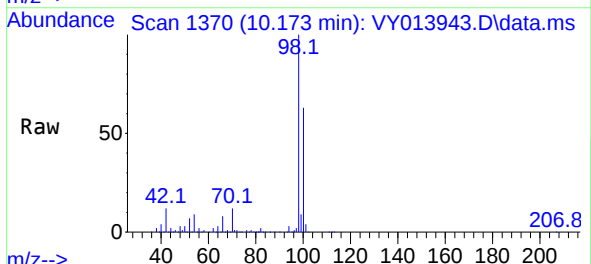
Instrument :
MSVOA_Y
ClientSampleId :

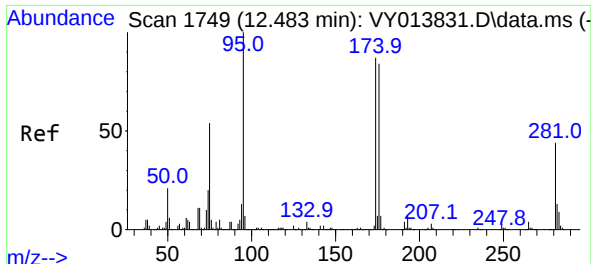
Tgt Ion: 98 Resp: 349184
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.038 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.098 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 184.7 29.1 43.7#

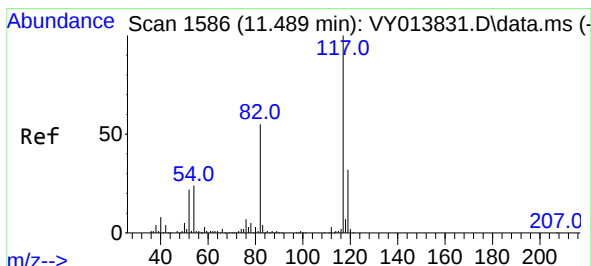
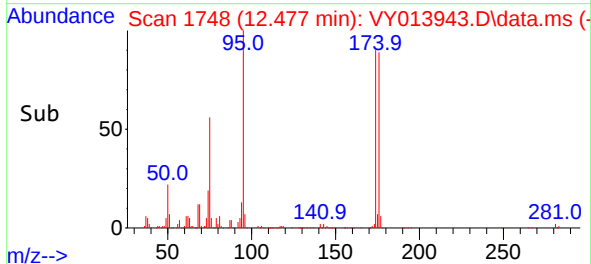
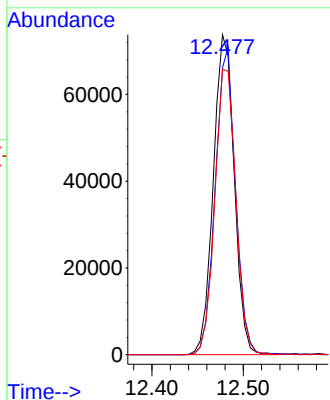
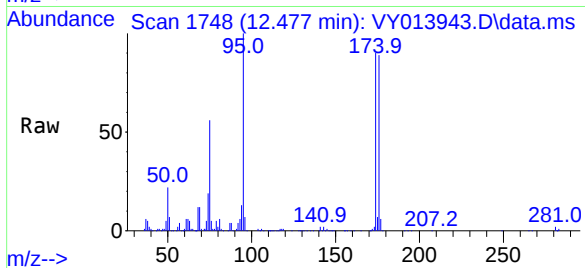




#62
4-Bromofluorobenzene
Concen: 50.522 ug/l
RT: 12.477 min Scan# 117193
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

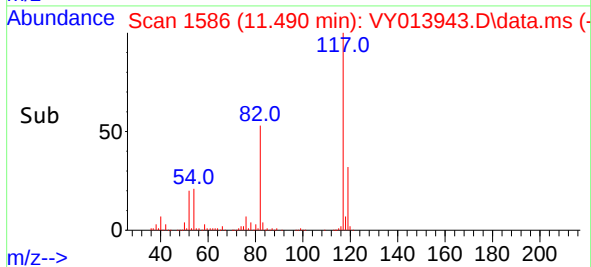
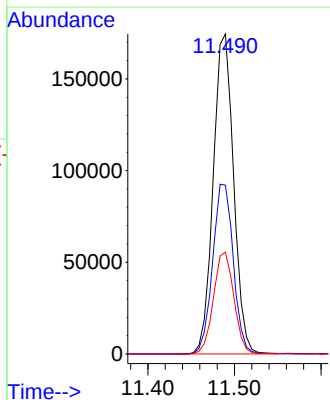
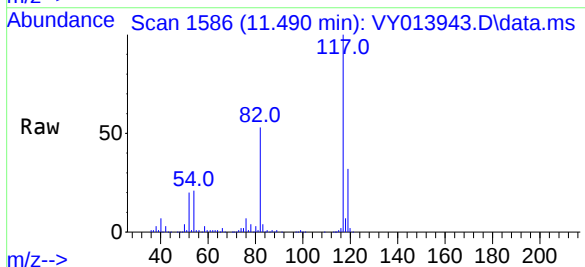
Instrument :
MSVOA_Y
ClientSampleId :

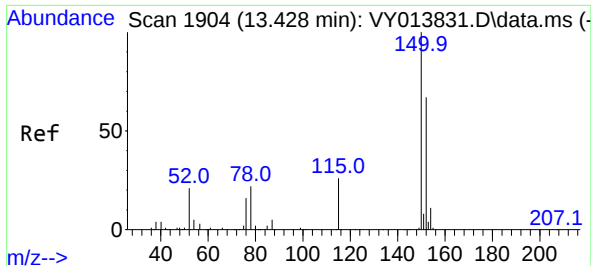
Tgt Ion: 95 Resp: 117193
Ion Ratio Lower Upper
95 100
174 93.2 0.0 176.0
176 90.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

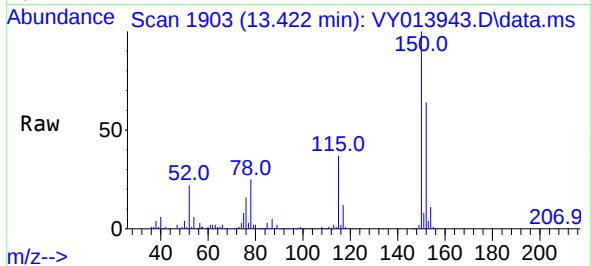
Tgt Ion:117 Resp: 285528
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.4
119 31.8 25.7 38.5



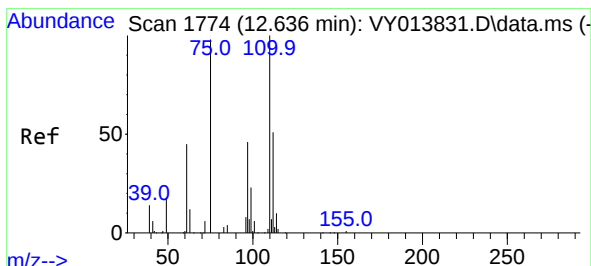
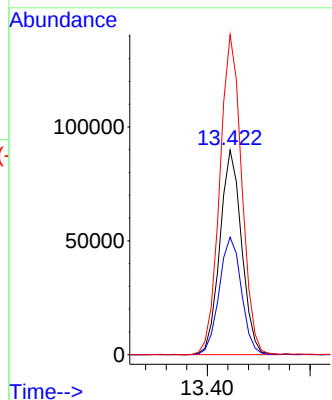
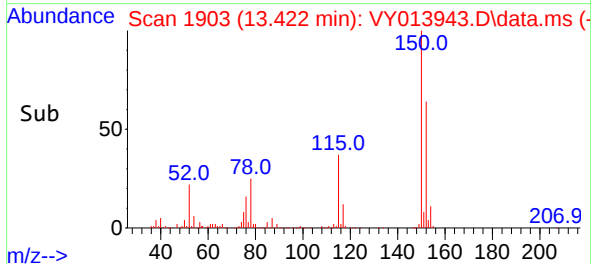


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :

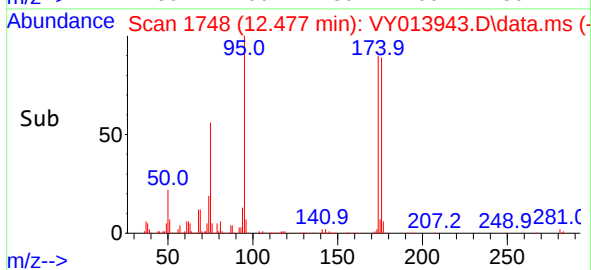
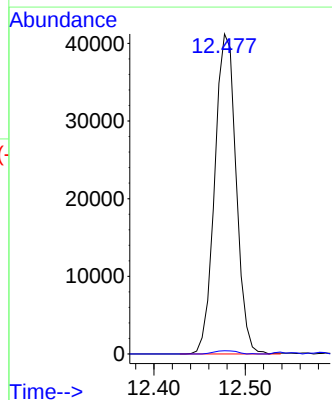
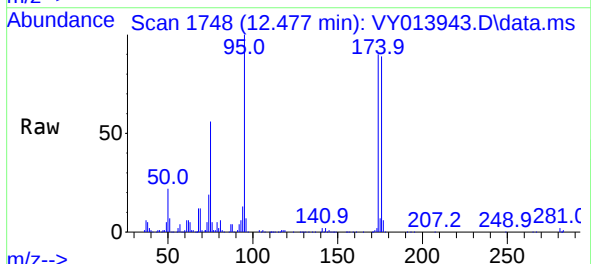


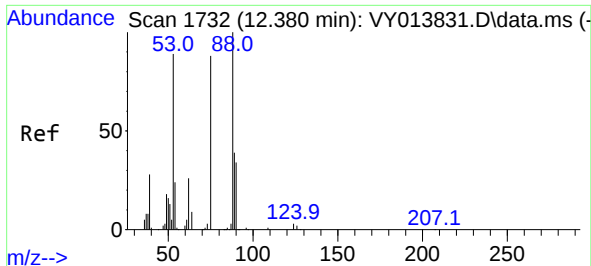
Tgt Ion:152 Resp: 131779
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 158.2 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 43.144 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

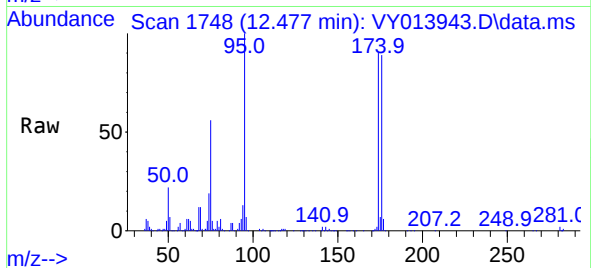
Tgt Ion: 75 Resp: 67039
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



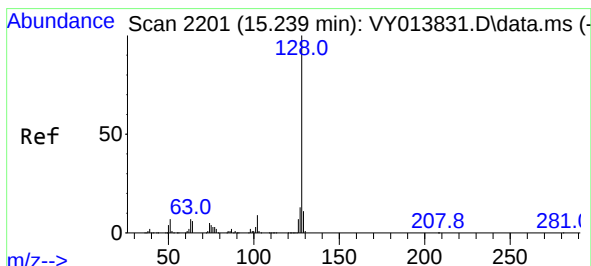
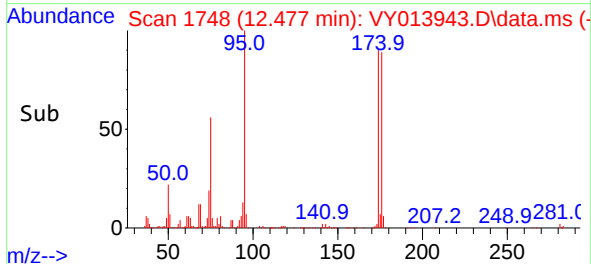
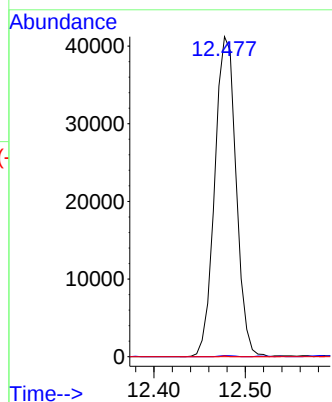


#81
trans-1,4-Dichloro-2-butene
Concen: 93.652 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 67039
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.1 36.4 54.6#



#95
Naphthalene
Concen: 4.665 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013943.D
Acq: 31 May 2023 18:09

Tgt Ion: 128 Resp: 720
Ion Ratio Lower Upper
128 100
127 12.4 10.7 16.1
129 0.0 9.0 13.4#

