

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015040.D
 Acq On : 10 Aug 2023 20:10
 Operator : SY/MD
 Sample : 03955-10
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

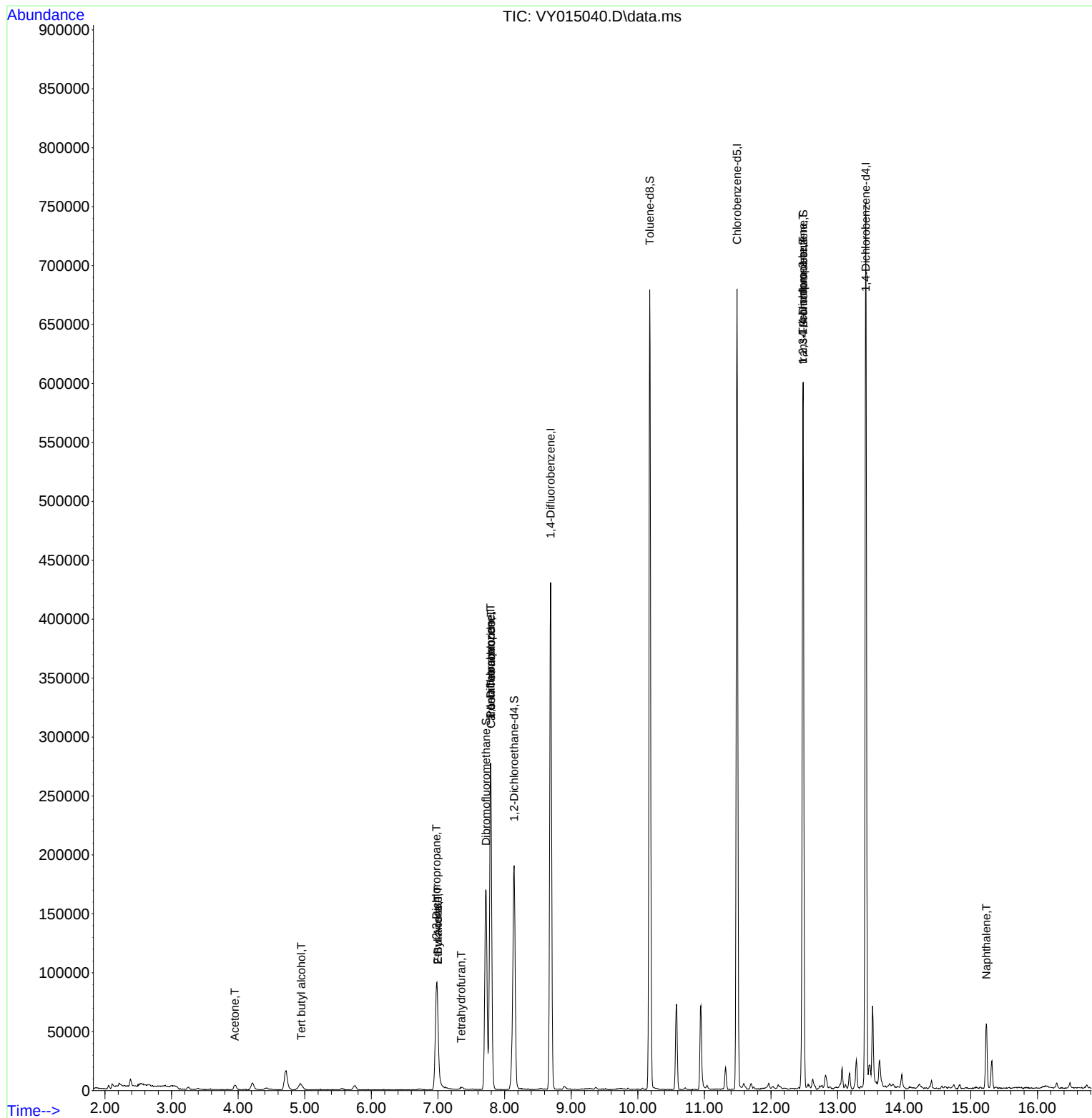
Internal Standards						
1) Pentafluorobenzene	7.789	168	220689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	369853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	141785	53.007	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.020%			
35) Dibromofluoromethane	7.722	113	121210	50.523	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%			
50) Toluene-d8	10.179	98	443660	48.586	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.180%			
62) 4-Bromofluorobenzene	12.483	95	174454	53.904	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	106	Below Cal	#	43
5) Bromomethane	2.656	94	491	Below Cal		94
11) Tert butyl alcohol	4.948	59	7404	11.469	ug/l #	96
16) Acetone	3.948	43	7265	8.710	ug/l	94
20) Methylene Chloride	4.722	84	12803	Below Cal	#	85
25) 2-Butanone	6.996	43	16097	13.474	ug/l	93
26) 2,2-Dichloropropane	6.978	77	6641	1.710	ug/l #	54
29) Tetrahydrofuran	7.350	42	1028	1.467	ug/l #	80
31) Cyclohexane	7.789	56	4381	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15954	5.356	ug/l #	50
37) Ethyl Acetate	6.996	43	16097	6.809	ug/l #	72
38) Carbon Tetrachloride	7.795	117	21971	6.562	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	93079	40.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	93079	88.569	ug/l #	11
95) Naphthalene	15.233	128	47351	5.526	ug/l	99

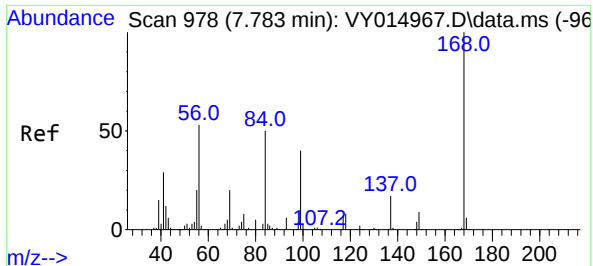
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

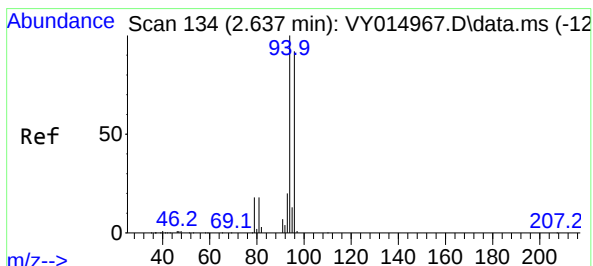
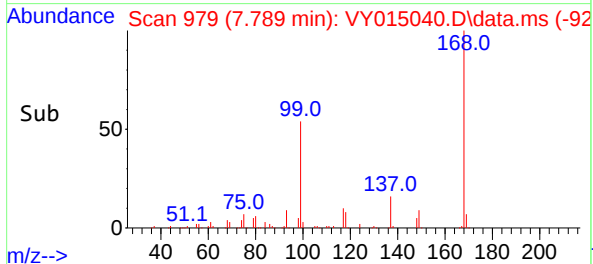
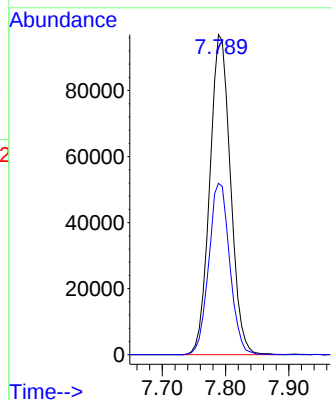
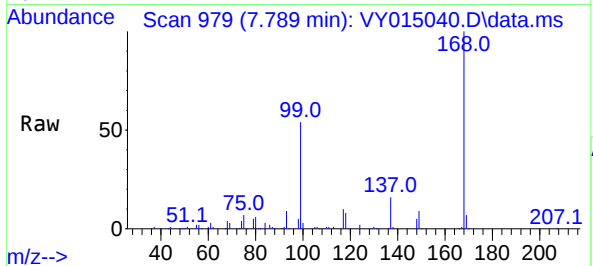




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

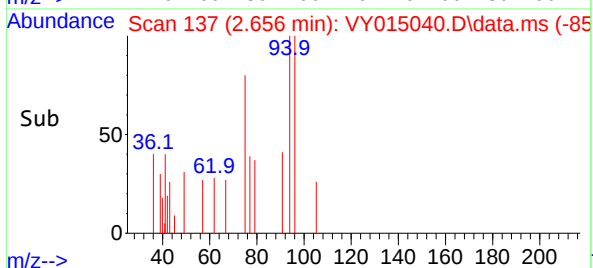
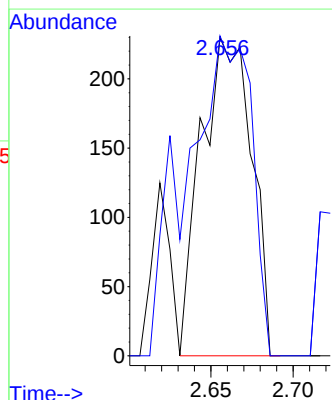
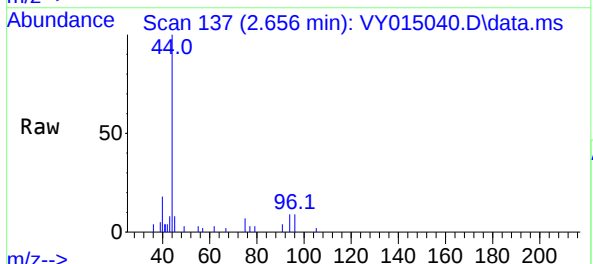
Instrument :
MSVOA_Y
ClientSampleId :

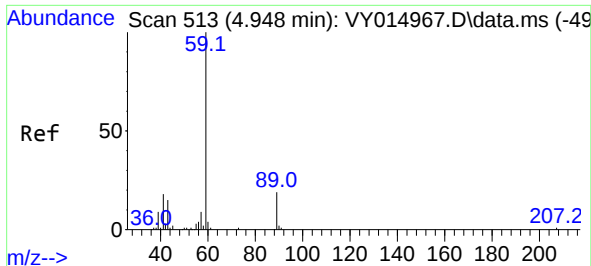
Tgt Ion:168 Resp: 220689
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

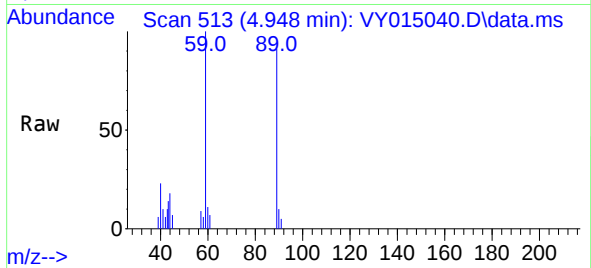
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 100.4 75.8 113.6



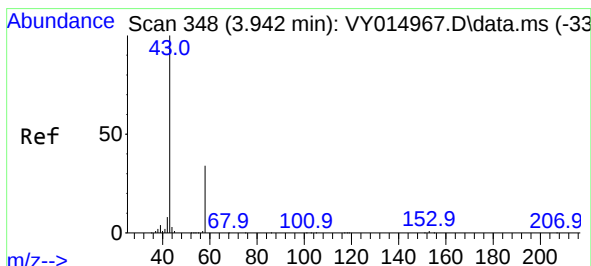
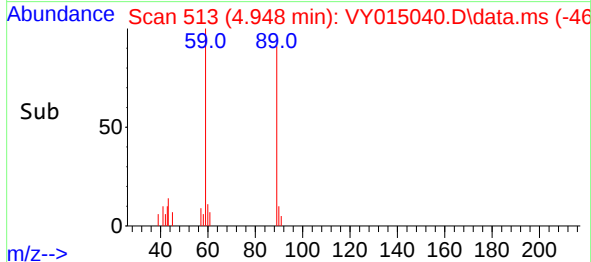
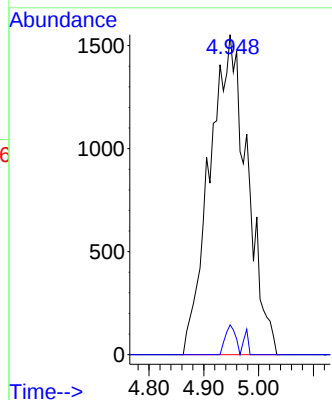


#11
Tert butyl alcohol
Concen: 11.469 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :

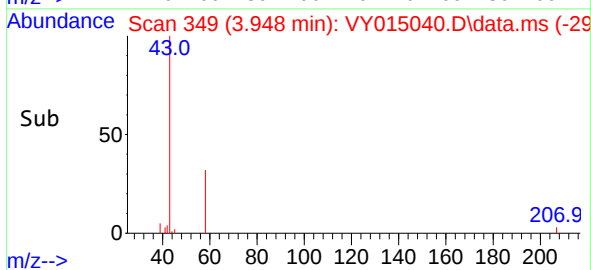
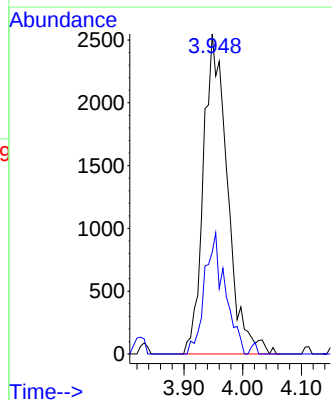
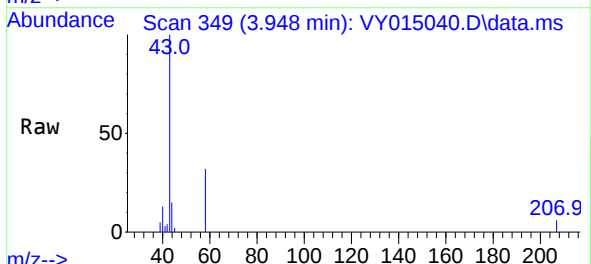


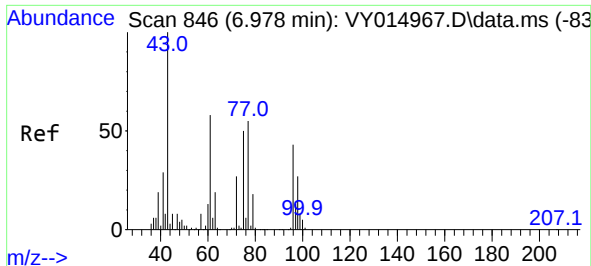
Tgt Ion: 59 Resp: 7404
Ion Ratio Lower Upper
59 100
57 2.5 3.0 4.4#



#16
Acetone
Concen: 8.710 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

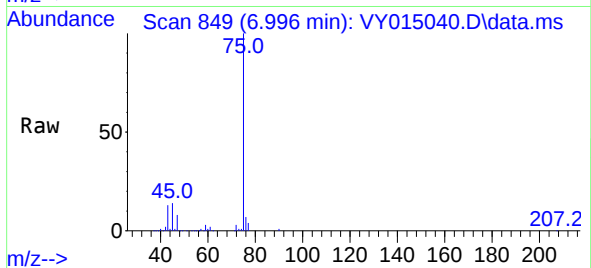
Tgt Ion: 43 Resp: 7265
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1



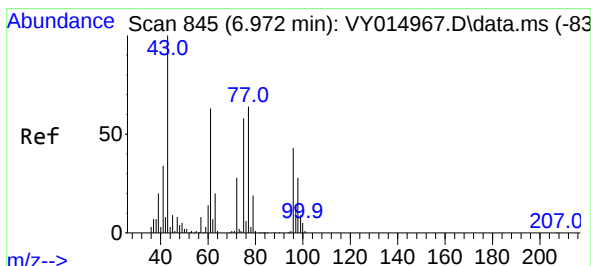
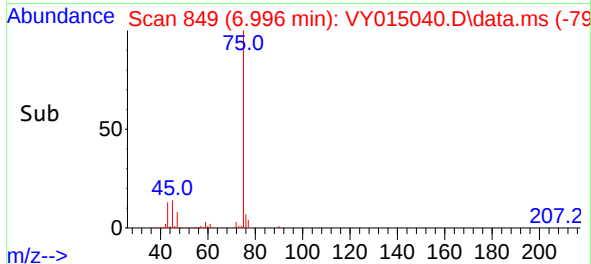
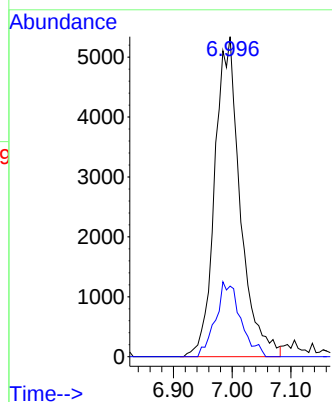


#25
2-Butanone
Concen: 13.474 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.018 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :

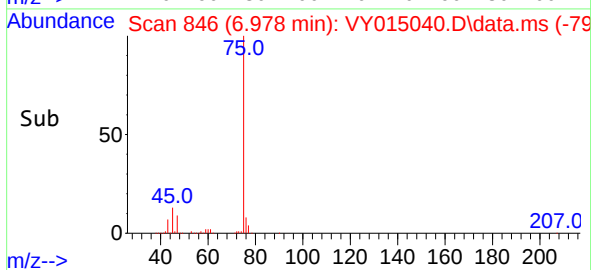
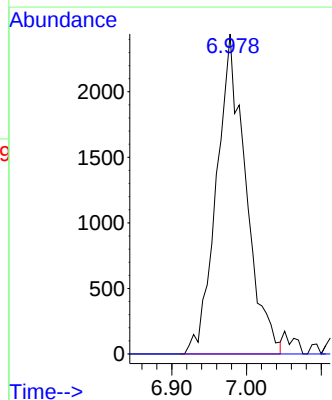
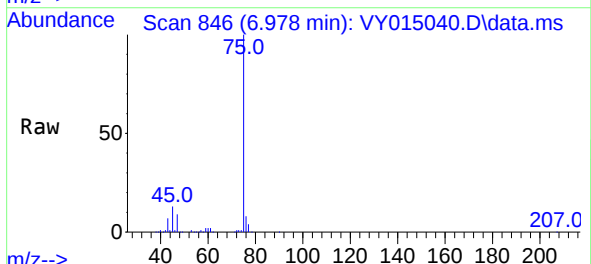


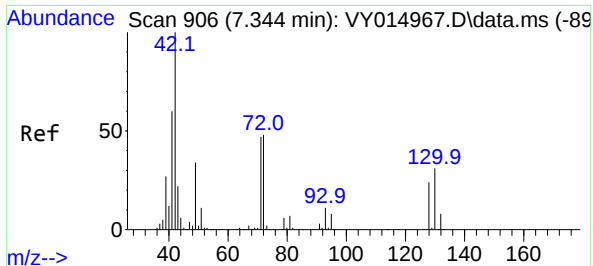
Tgt Ion: 43 Resp: 16097
Ion Ratio Lower Upper
43 100
72 22.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.710 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Tgt Ion: 77 Resp: 6641
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

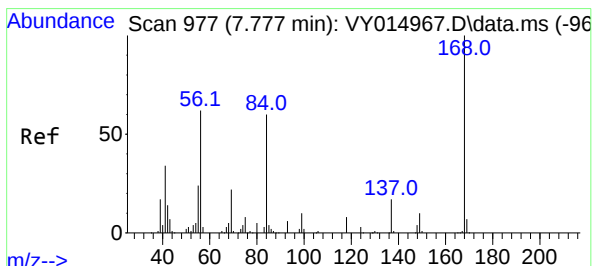
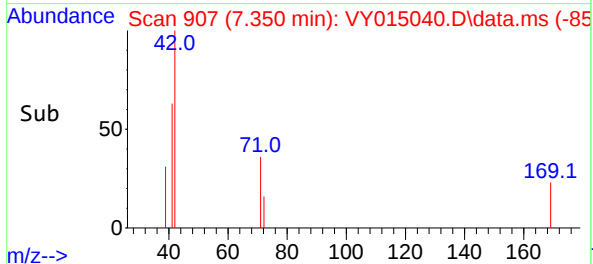
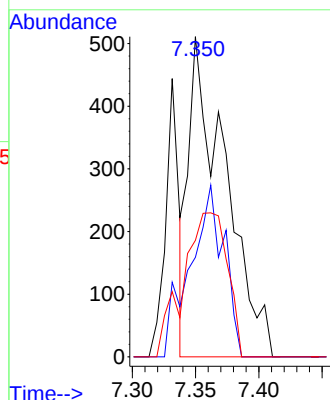
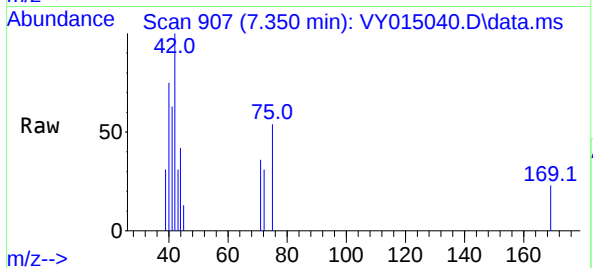




#29
Tetrahydrofuran
Concen: 1.467 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

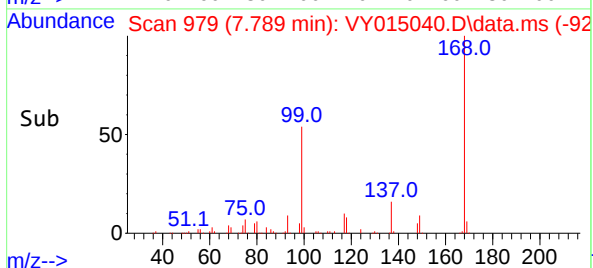
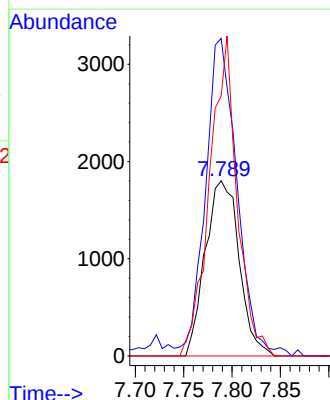
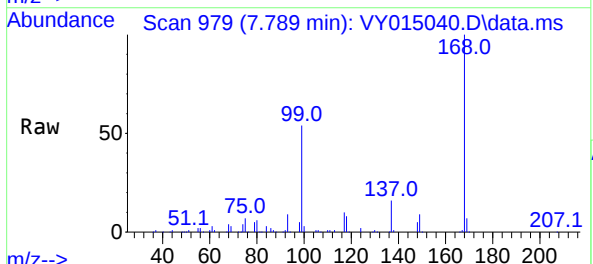
Instrument :
MSVOA_Y
ClientSampleId :

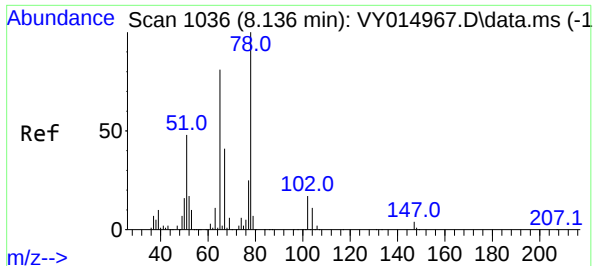
Tgt Ion: 42 Resp: 1028
Ion Ratio Lower Upper
42 100
72 50.0 32.8 49.2#
71 54.2 31.0 46.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Tgt Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 176.6 27.8 41.6#
84 148.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.007 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015040.D

Acq: 10 Aug 2023 20:10

Instrument :

MSVOA_Y

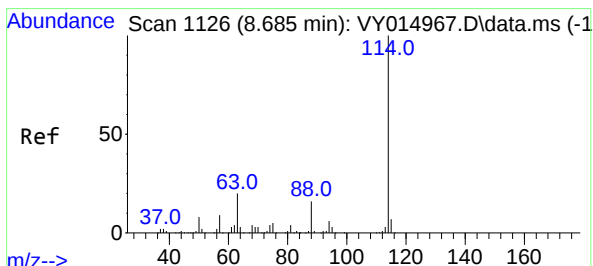
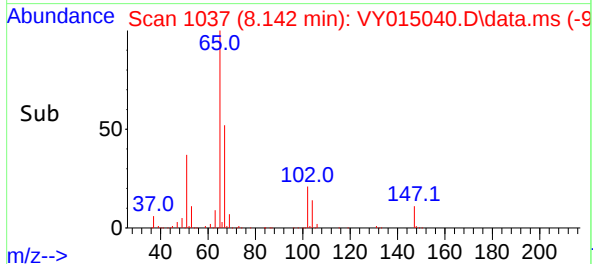
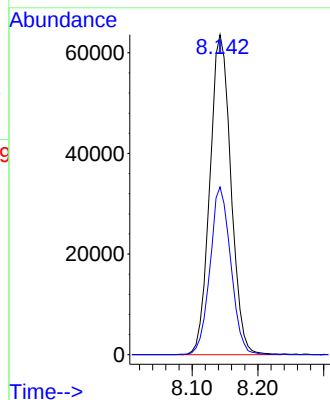
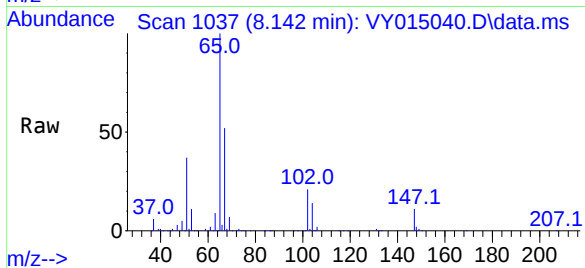
ClientSampleId :

Tgt Ion: 65 Resp: 141785

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015040.D

Acq: 10 Aug 2023 20:10

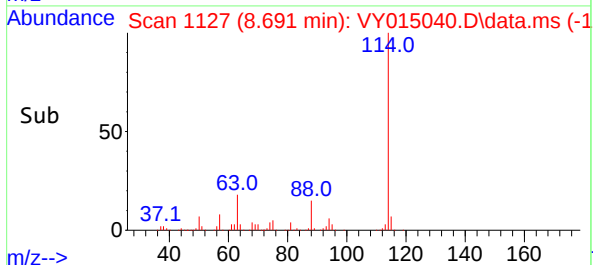
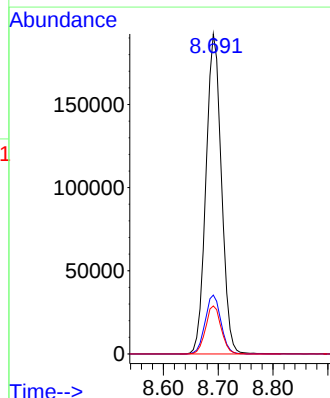
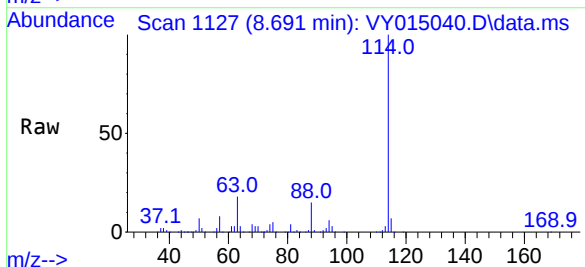
Tgt Ion: 114 Resp: 375162

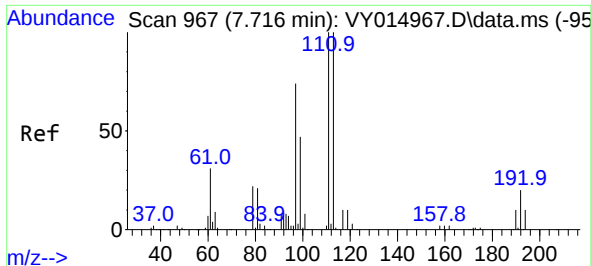
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

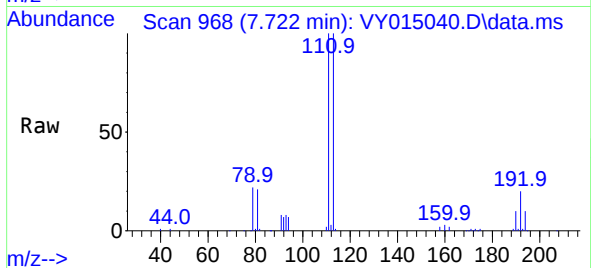
88 15.0 0.0 30.6



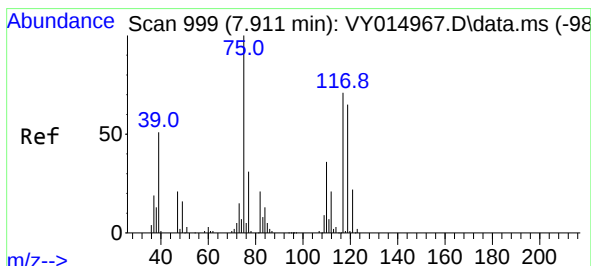
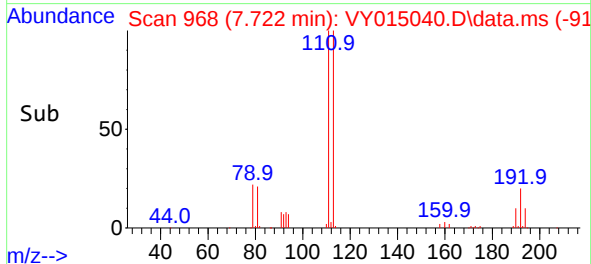
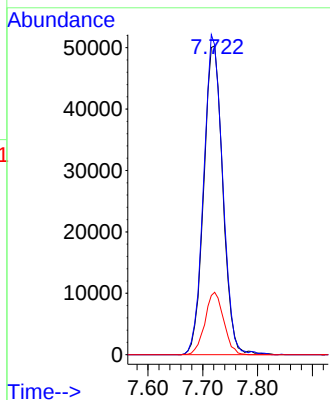


#35
Dibromofluoromethane
Concen: 50.523 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :

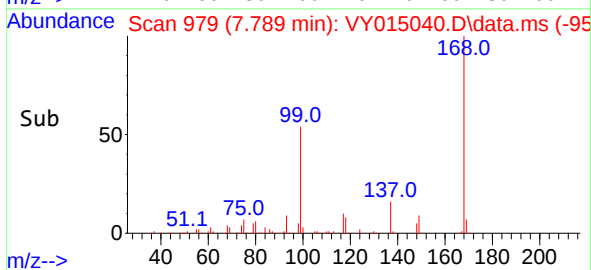
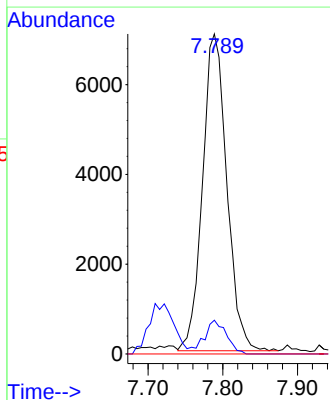
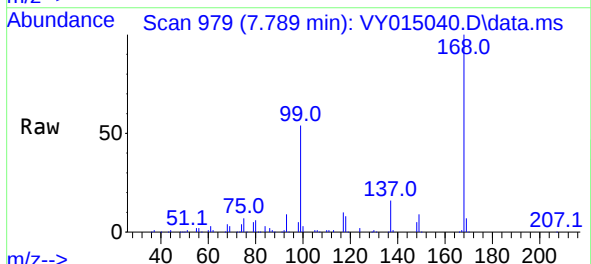


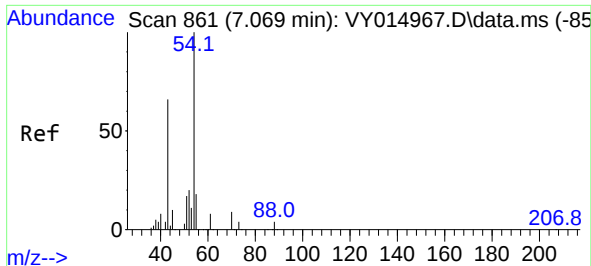
Tgt Ion:113 Resp: 121210
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.356 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Tgt Ion: 75 Resp: 15954
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.809 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.073 min

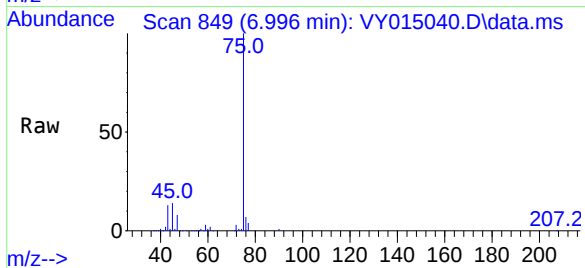
Lab File: VY015040.D

Acq: 10 Aug 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :



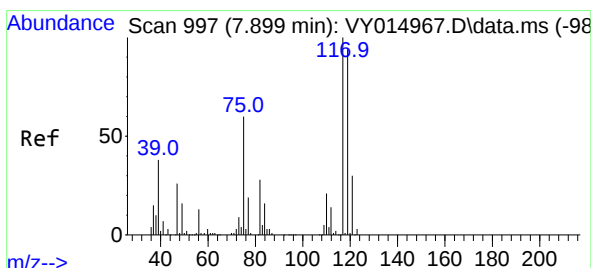
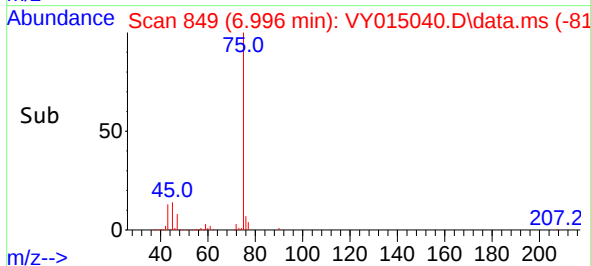
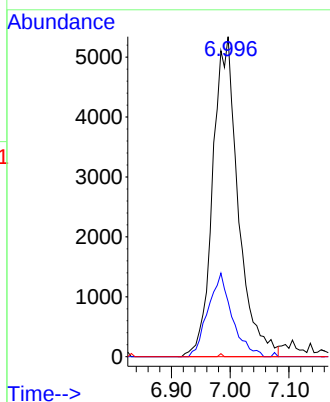
Tgt Ion: 43 Resp: 16097

Ion Ratio Lower Upper

43 100

61 24.6 10.1 15.1#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015040.D

Acq: 10 Aug 2023 20:10

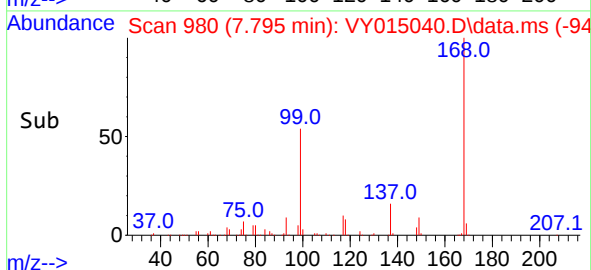
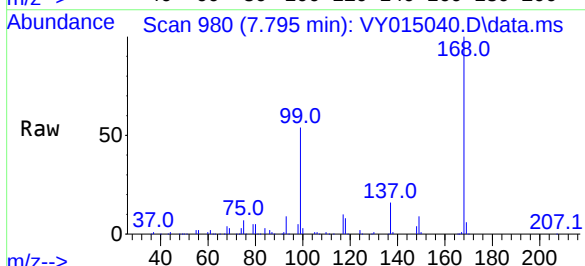
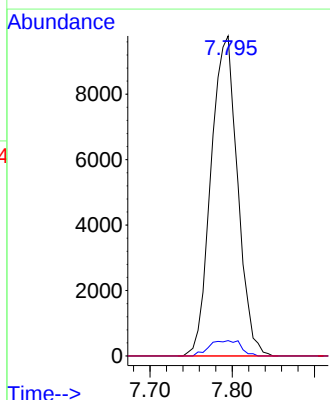
Tgt Ion: 117 Resp: 21971

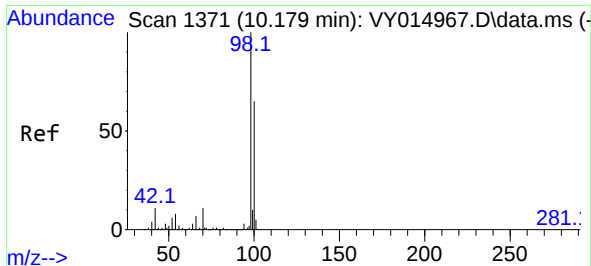
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

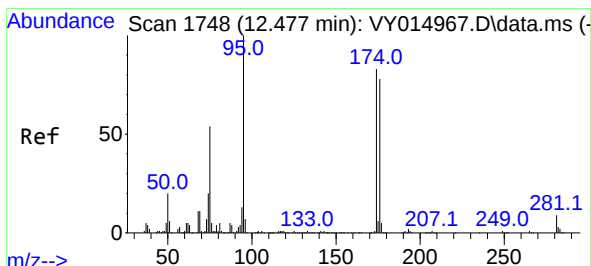
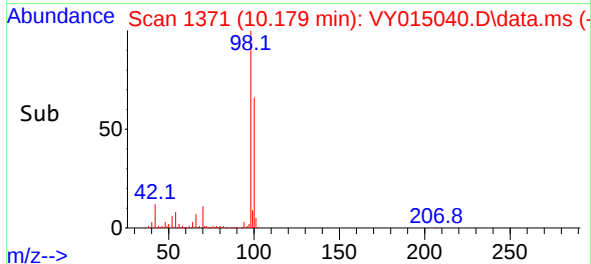
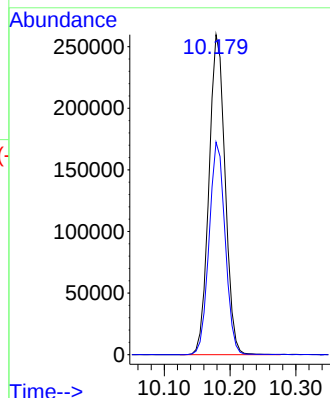
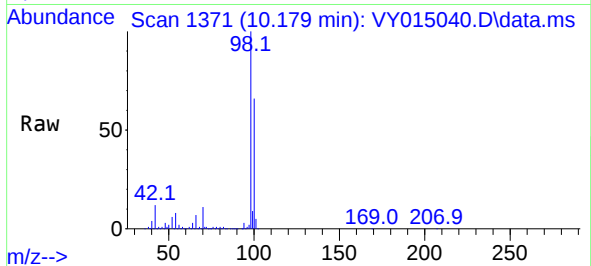




#50
Toluene-d8
Concen: 48.586 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

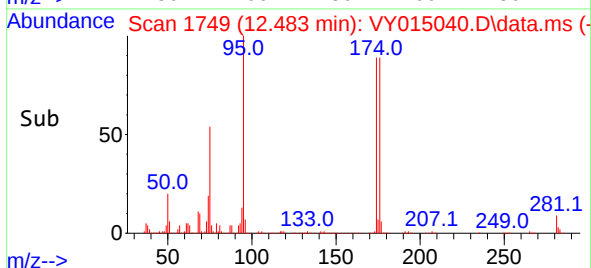
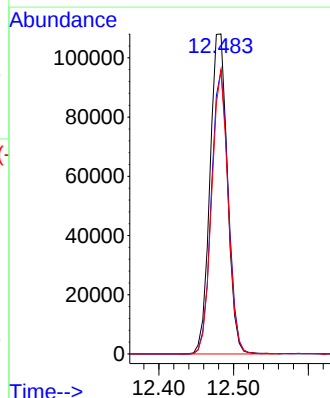
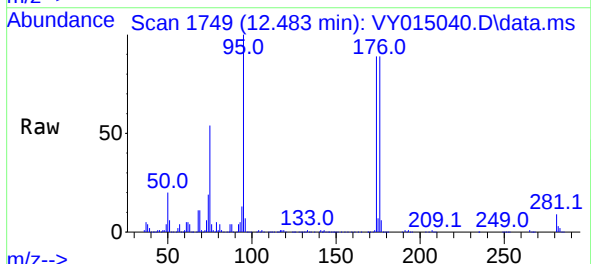
Instrument :
MSVOA_Y
ClientSampleId :

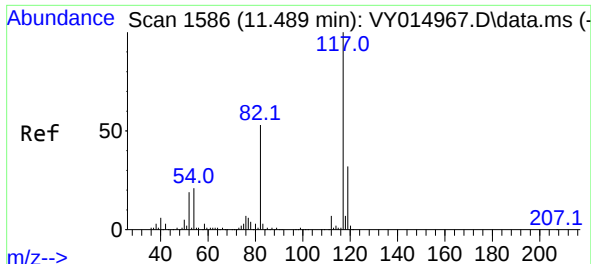
Tgt Ion: 98 Resp: 443660
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.904 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

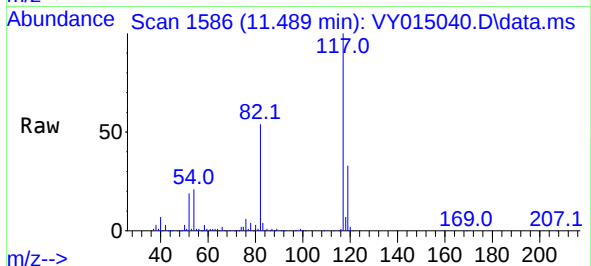
Tgt Ion: 95 Resp: 174454
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 83.6 0.0 173.8



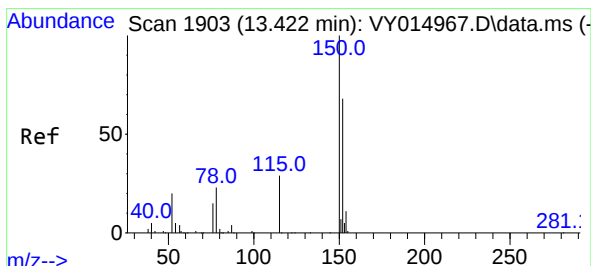
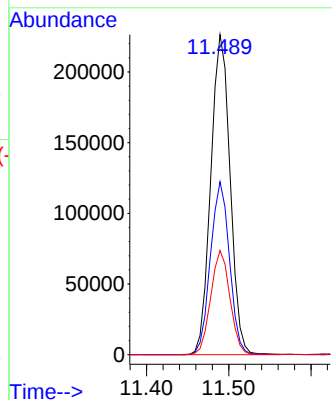
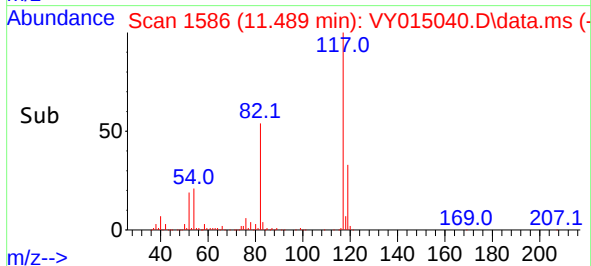


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

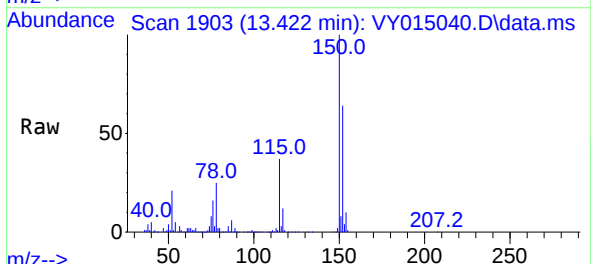
Instrument :
MSVOA_Y
ClientSampleId :



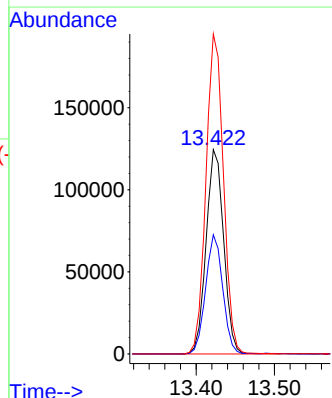
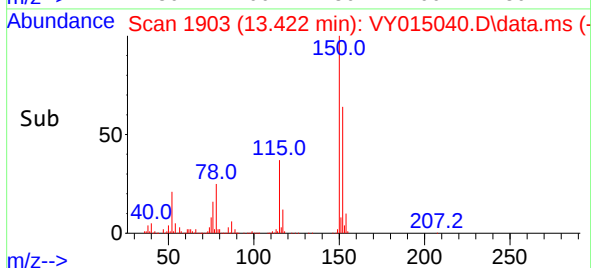
Tgt Ion:117 Resp: 369853
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.5 26.3 39.5

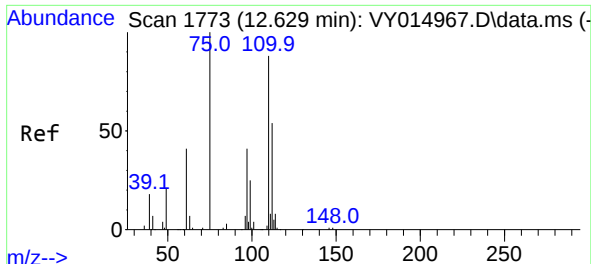


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10



Tgt Ion:152 Resp: 193219
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.5
150 155.9 0.0 348.8

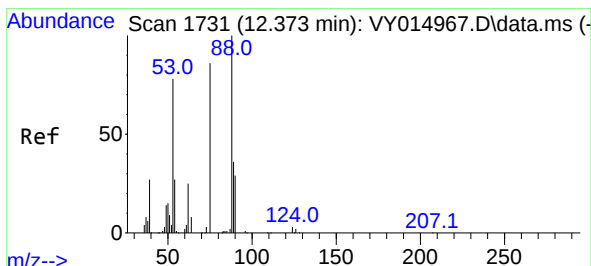
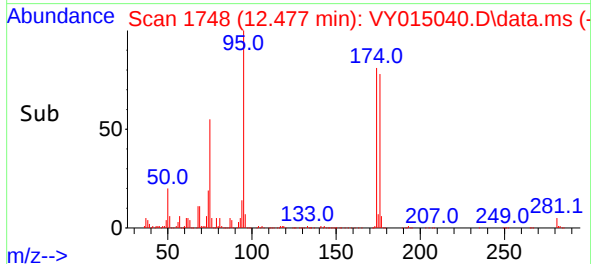
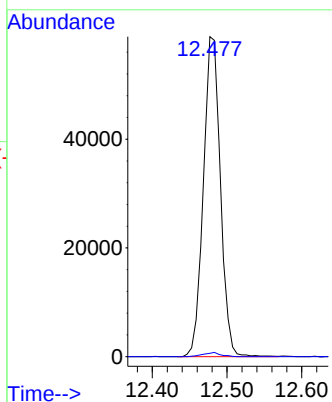
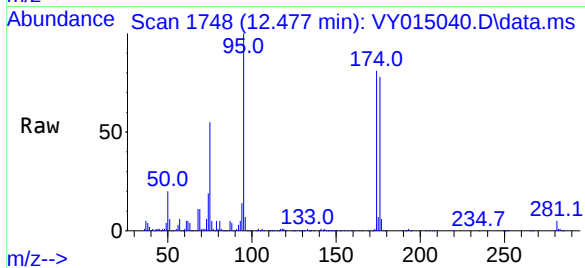




#76
1,2,3-Trichloropropane
Concen: 40.203 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

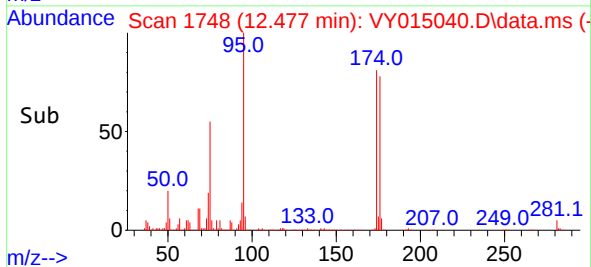
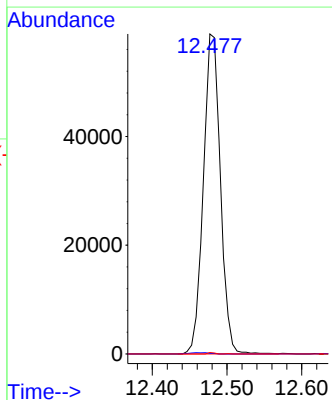
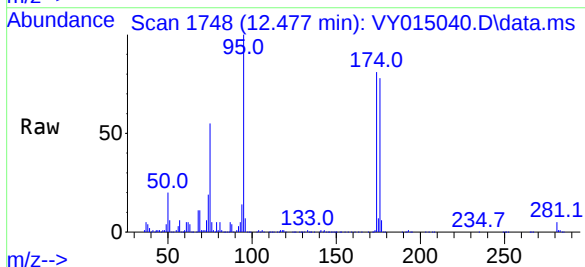
Instrument :
MSVOA_Y
ClientSampleId :

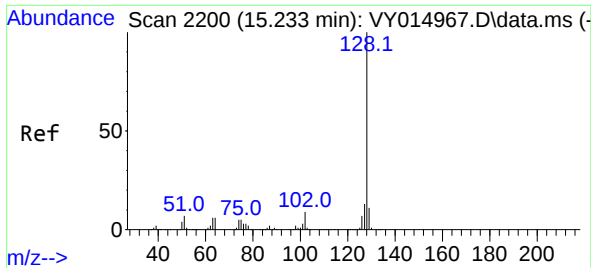
Tgt Ion: 75 Resp: 93079
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.569 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

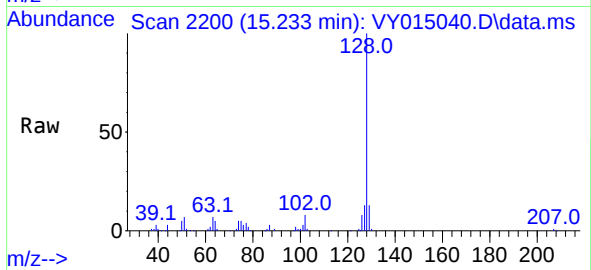
Tgt Ion: 75 Resp: 93079
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 5.526 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015040.D
Acq: 10 Aug 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 47351
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.0 8.6 13.0

