

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015037.D
 Acq On : 10 Aug 2023 19:00
 Operator : SY/MD
 Sample : 03955-01
 Misc : 1.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:00 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)

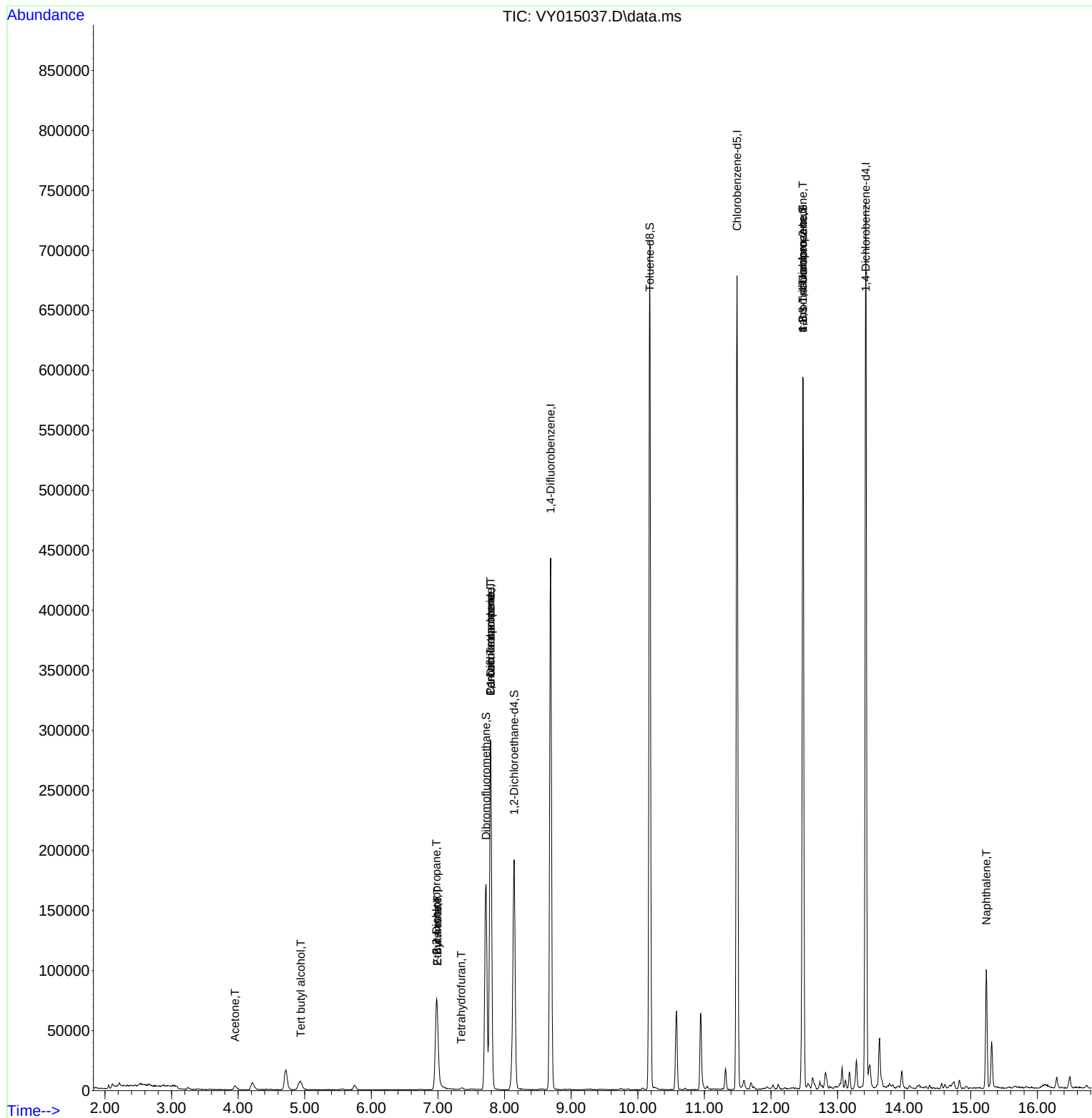
Internal Standards						
1) Pentafluorobenzene	7.789	168	228331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	386186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	374212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	143152	51.727	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.460%			
35) Dibromofluoromethane	7.722	113	121130	49.049	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.100%			
50) Toluene-d8	10.179	98	456788	48.596	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.477	95	173819	52.175	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	96	Below Cal	#	43
5) Bromomethane	2.662	94	600	Below Cal		84
11) Tert butyl alcohol	4.942	59	8707	13.036	ug/l #	92
16) Acetone	3.954	43	6254	7.247	ug/l	96
20) Methylene Chloride	4.723	84	12366	Below Cal		91
25) 2-Butanone	6.990	43	4936	3.993	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	5797	1.443	ug/l #	54
29) Tetrahydrofuran	7.350	42	1098	1.515	ug/l #	91
31) Cyclohexane	7.783	56	4779	Below Cal	#	20
36) 1,1-Dichloropropene	7.789	75	17057	5.563	ug/l #	51
37) Ethyl Acetate	6.990	43	4936	2.028	ug/l #	73
38) Carbon Tetrachloride	7.789	117	22614	6.561	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	92913	41.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92913	91.796	ug/l #	11
95) Naphthalene	15.233	128	82067	9.943	ug/l	98

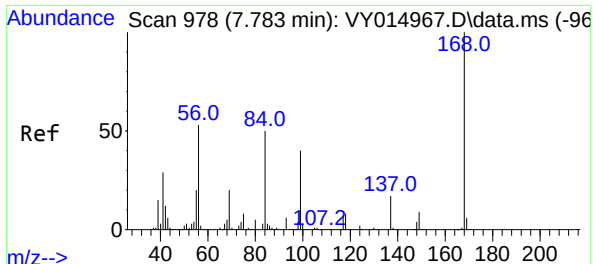
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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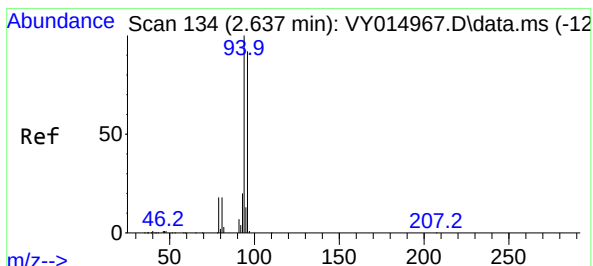
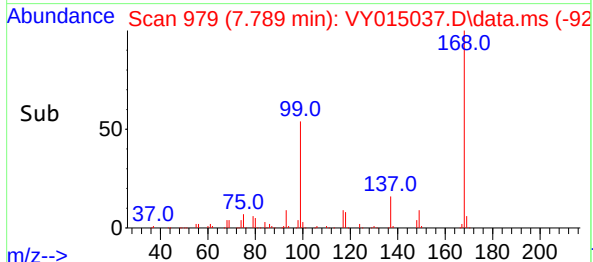
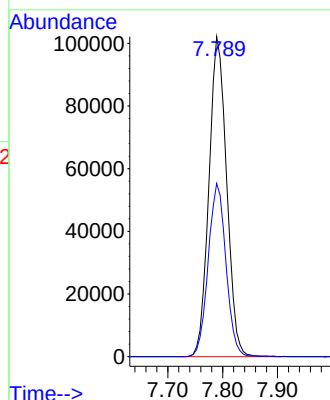
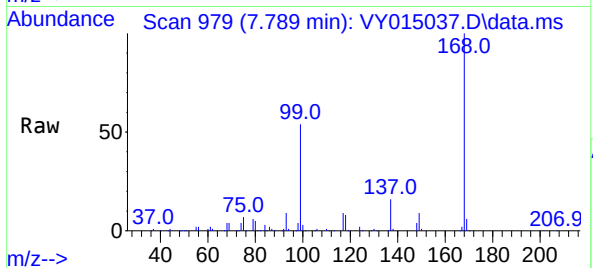




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

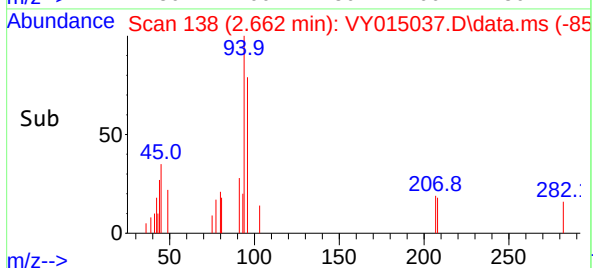
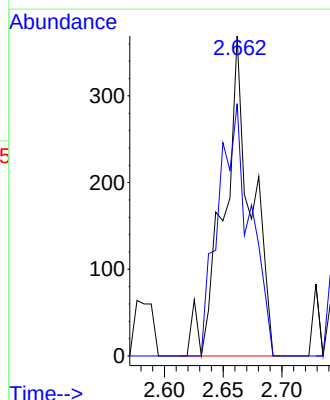
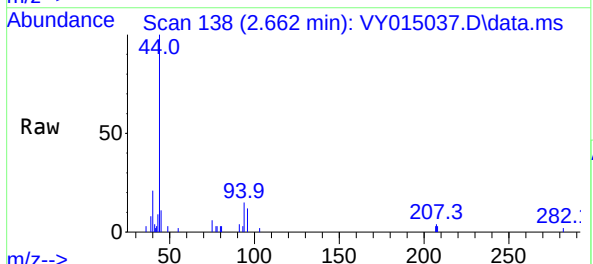
Instrument :
MSVOA_Y
ClientSampleId :

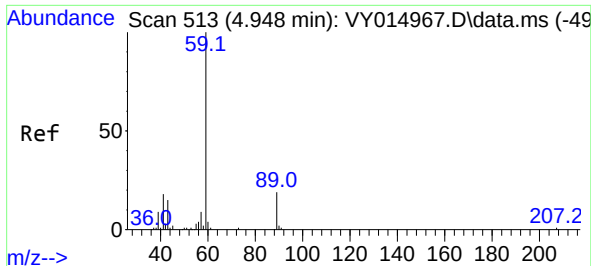
Tgt Ion:168 Resp: 228331
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

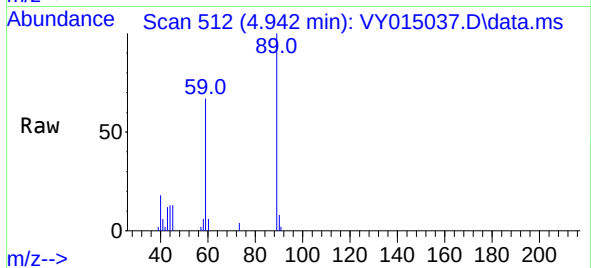
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 78.9 75.8 113.6



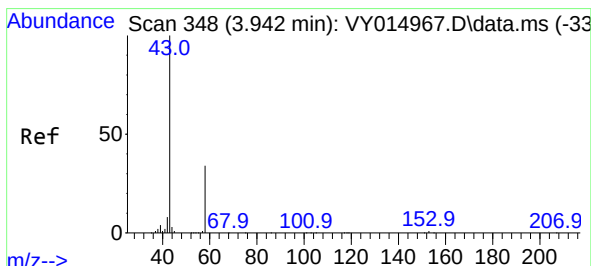
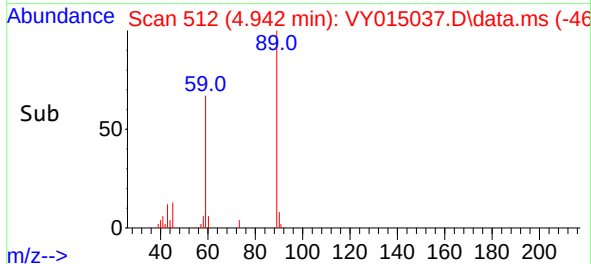
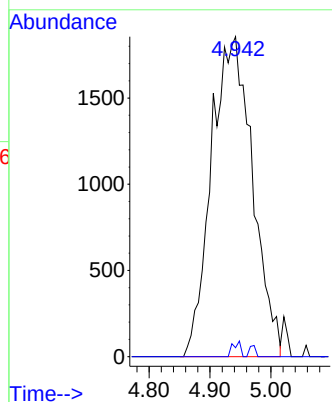


#11
Tert butyl alcohol
Concen: 13.036 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

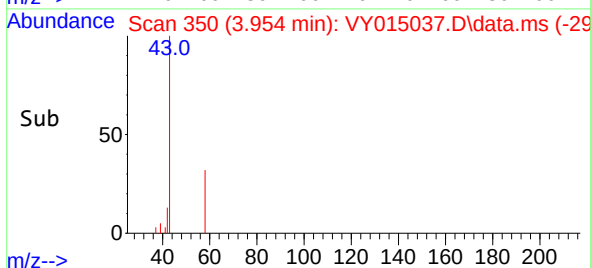
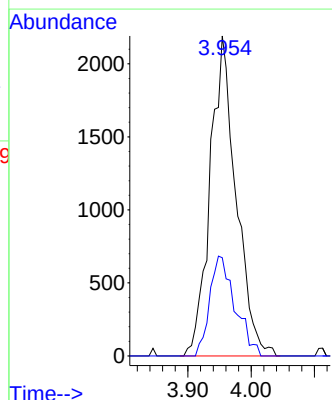
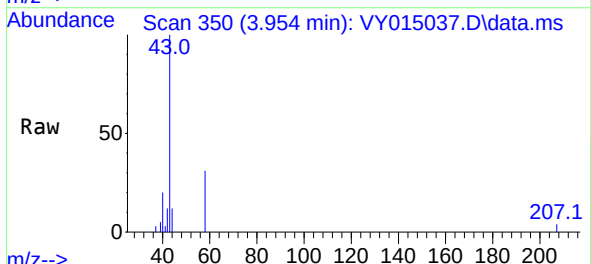


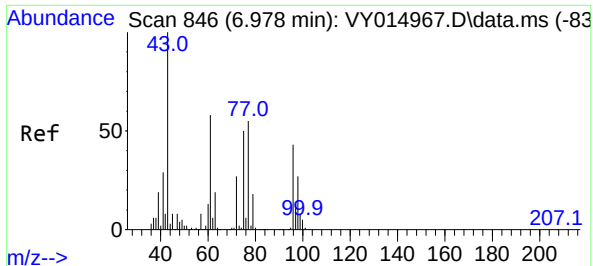
Tgt Ion: 59 Resp: 8707
Ion Ratio Lower Upper
59 100
57 0.9 3.0 4.4#



#16
Acetone
Concen: 7.247 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

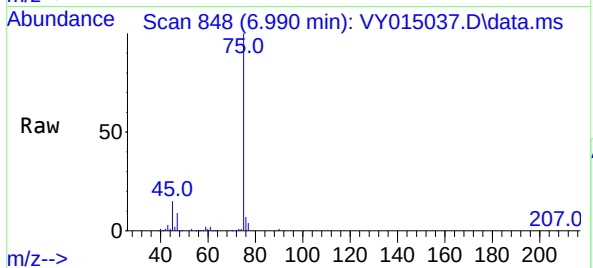
Tgt Ion: 43 Resp: 6254
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1



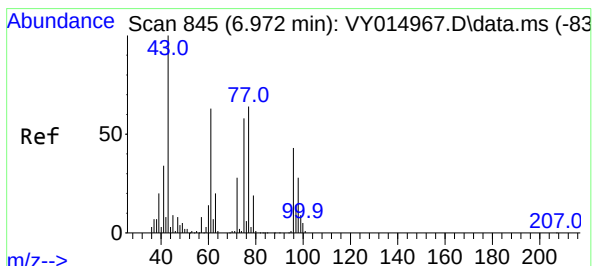
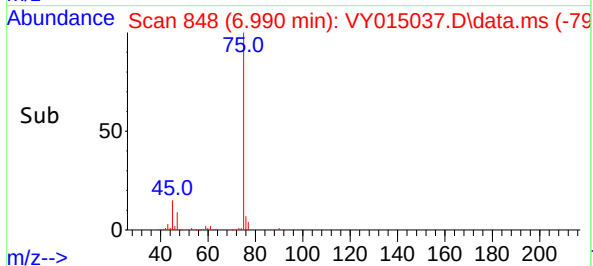
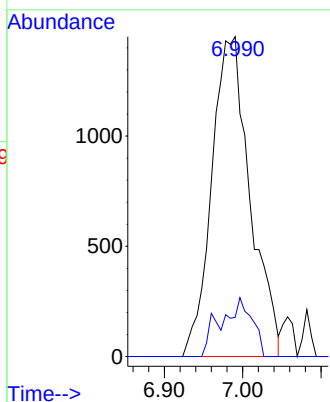


#25
2-Butanone
Concen: 3.993 ug/l
RT: 6.990 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

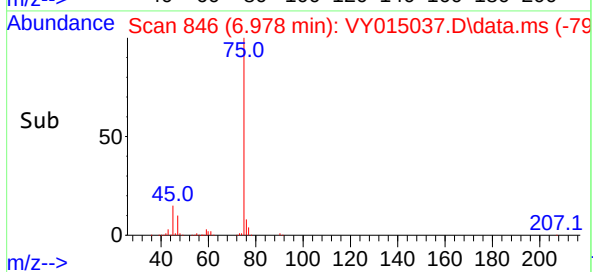
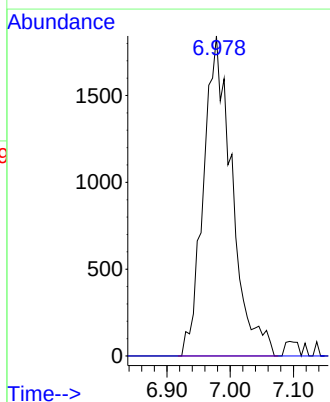
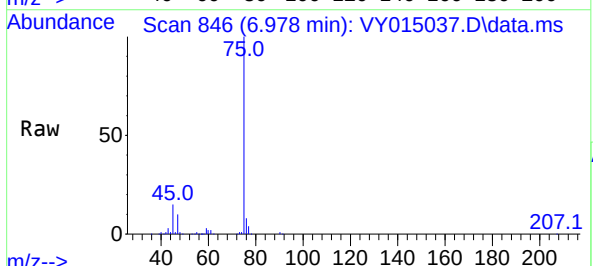


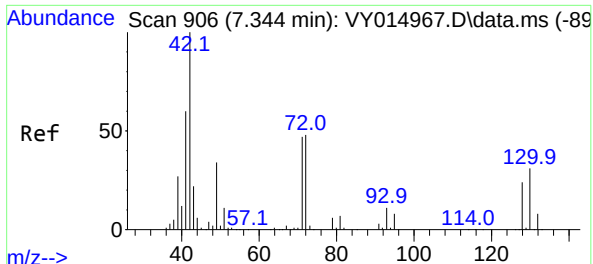
Tgt Ion: 43 Resp: 4936
Ion Ratio Lower Upper
43 100
72 12.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.443 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Tgt Ion: 77 Resp: 5797
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.515 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY015037.D

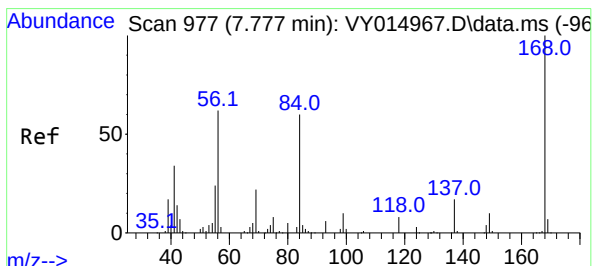
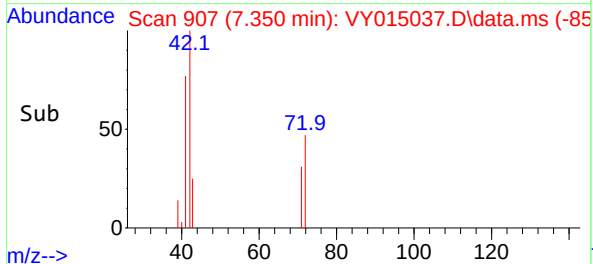
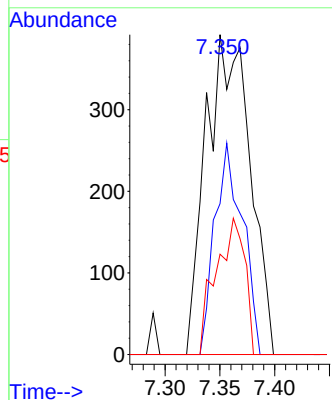
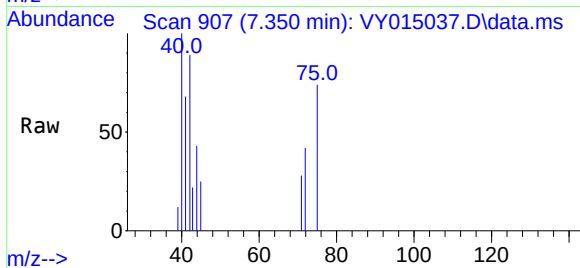
Acq: 10 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	1098
Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.8	49.2
71	27.7	31.0	46.4



#31

Cyclohexane

Concen: Below Cal

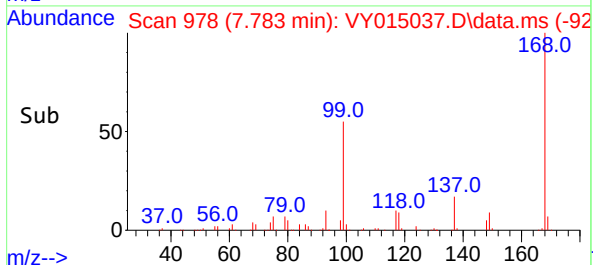
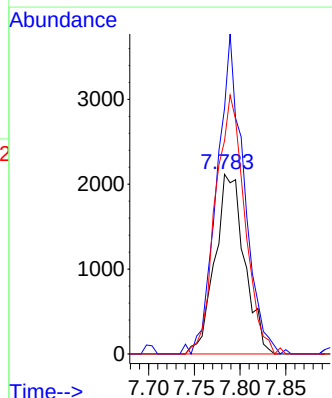
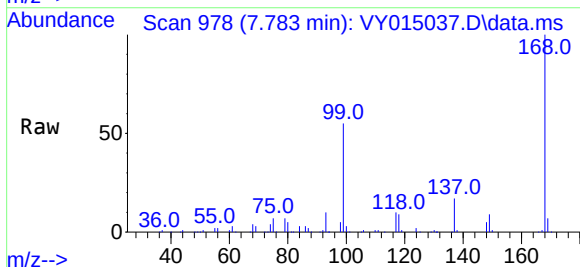
RT: 7.783 min Scan# 978

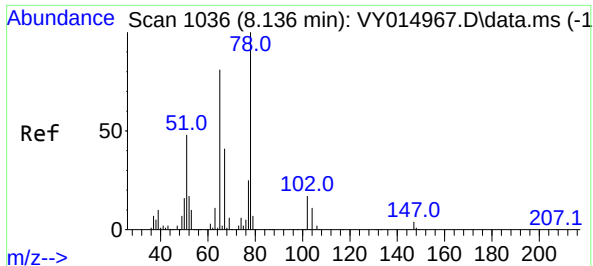
Delta R.T. 0.006 min

Lab File: VY015037.D

Acq: 10 Aug 2023 19:00

Tgt Ion:	56	Resp:	4779
Ion	Ratio	Lower	Upper
56	100		
69	136.6	27.8	41.6
84	118.6	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 51.727 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015037.D

Acq: 10 Aug 2023 19:00

Instrument :

MSVOA_Y

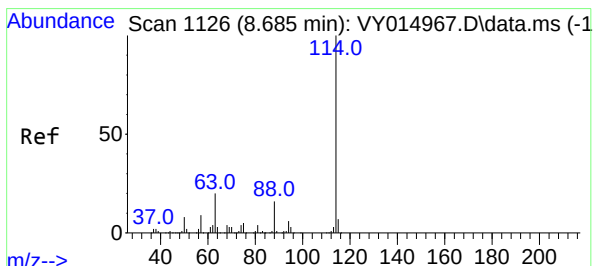
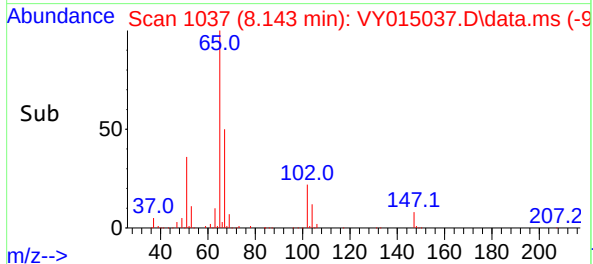
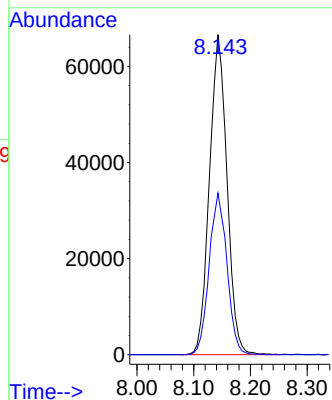
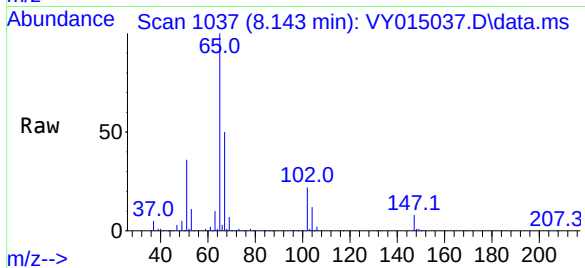
ClientSampleId :

Tgt Ion: 65 Resp: 143152

Ion Ratio Lower Upper

65 100

67 51.2 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: VY015037.D

Acq: 10 Aug 2023 19:00

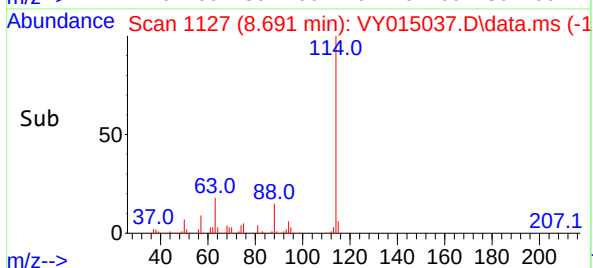
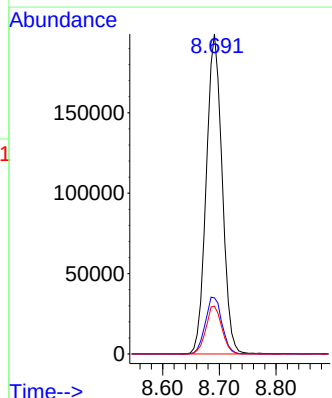
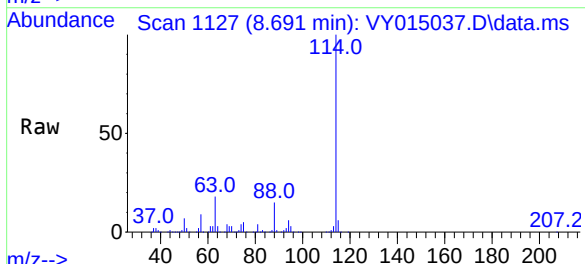
Tgt Ion: 114 Resp: 386186

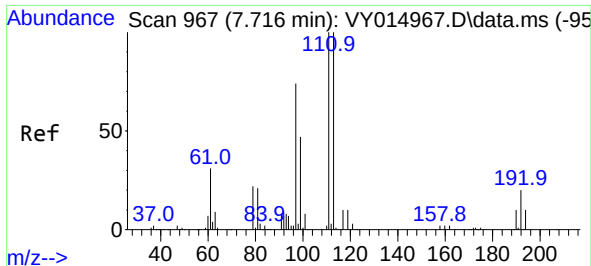
Ion Ratio Lower Upper

114 100

63 17.5 0.0 42.4

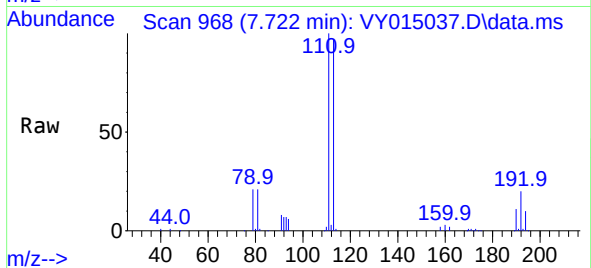
88 15.0 0.0 30.6



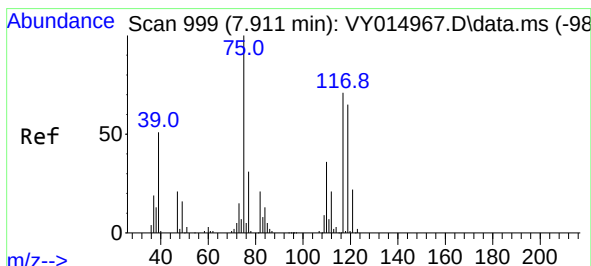
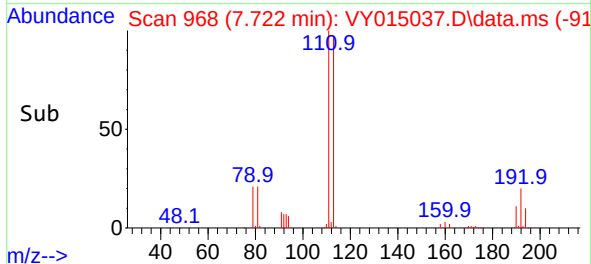
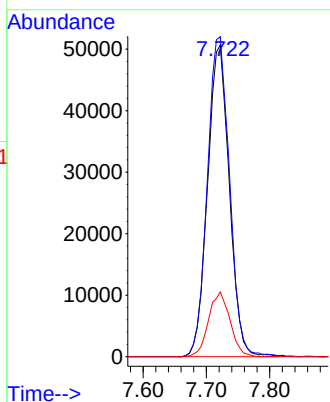


#35
Dibromofluoromethane
Concen: 49.049 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

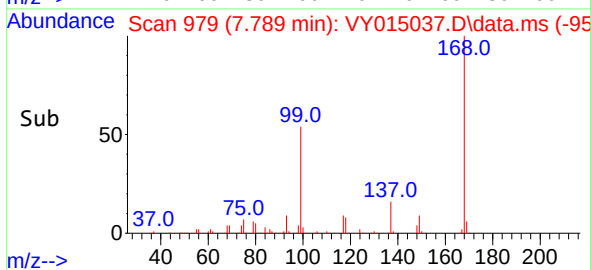
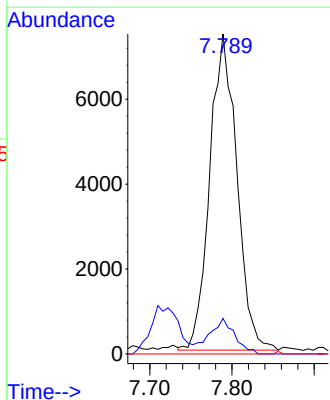
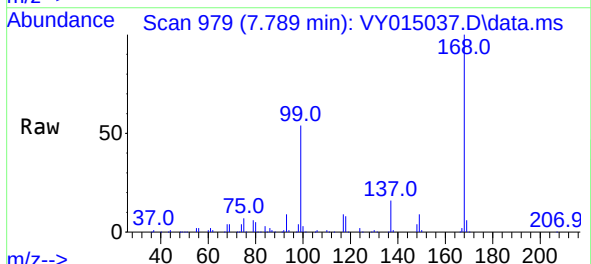


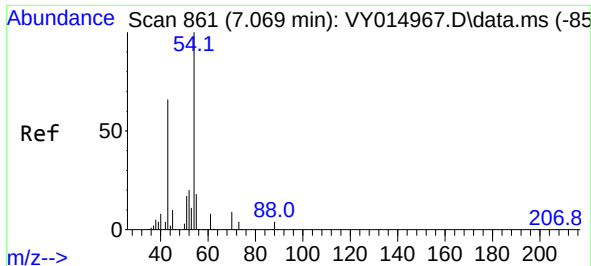
Tgt Ion:113 Resp: 121130
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.563 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

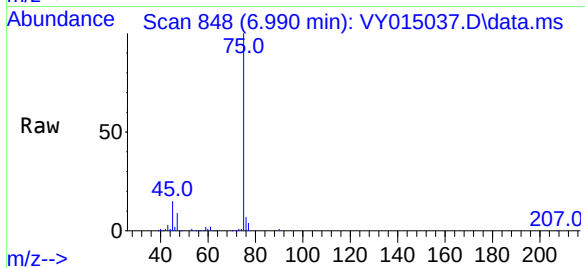
Tgt Ion: 75 Resp: 17057
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#



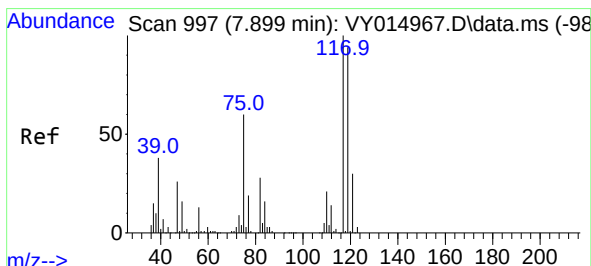
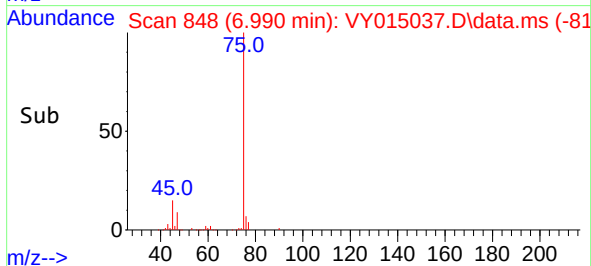
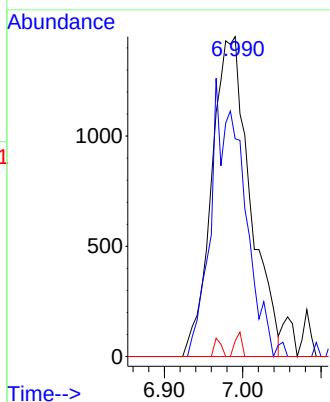


#37
Ethyl Acetate
Concen: 2.028 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

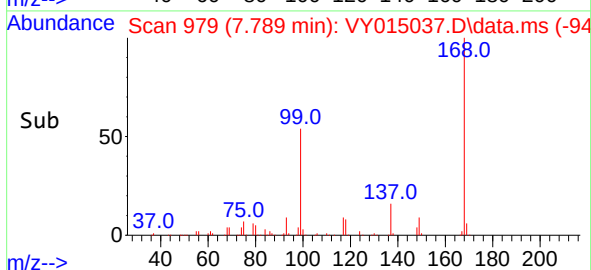
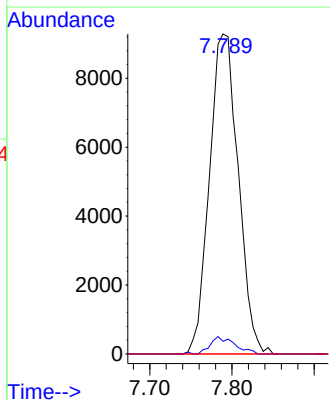
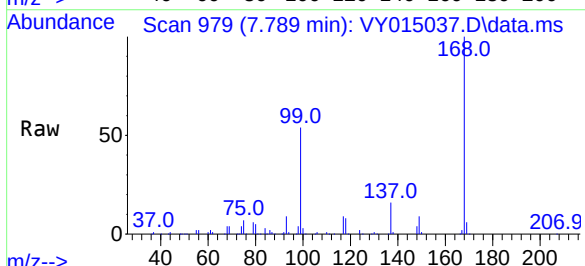


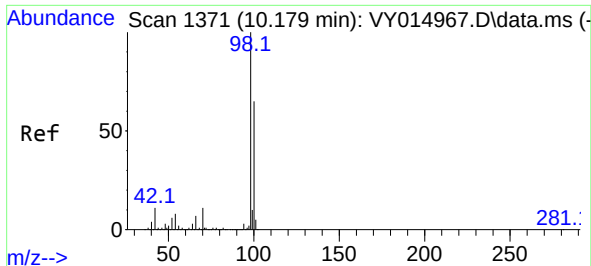
Tgt Ion: 43 Resp: 4936
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 1.4 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Tgt Ion: 117 Resp: 22614
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#

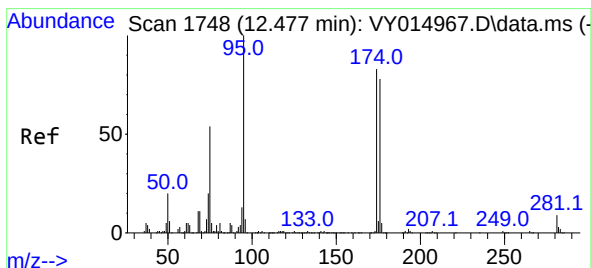
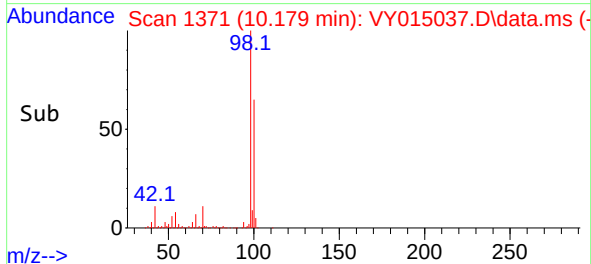
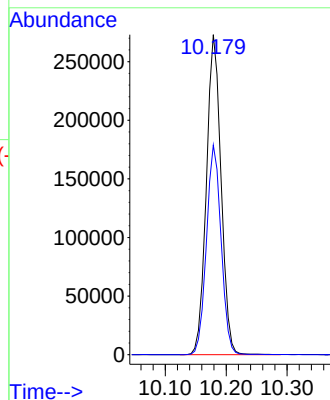
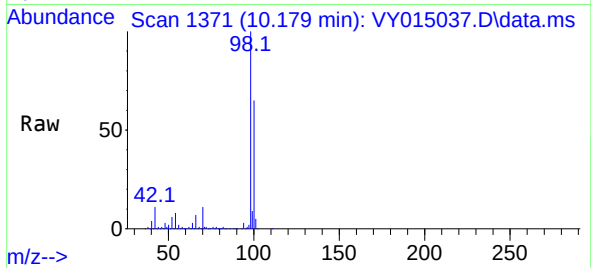




#50
Toluene-d8
Concen: 48.596 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

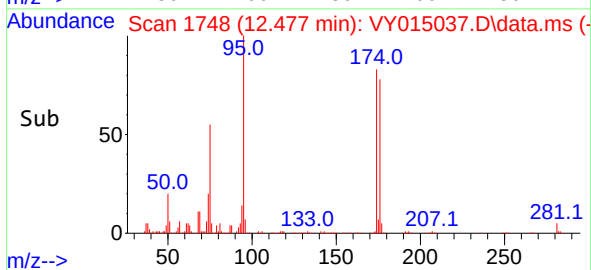
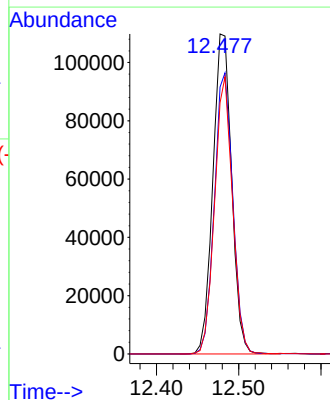
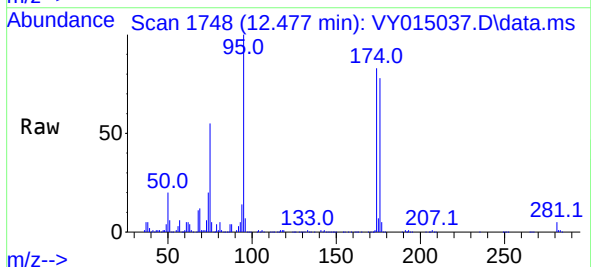
Instrument :
MSVOA_Y
ClientSampleId :

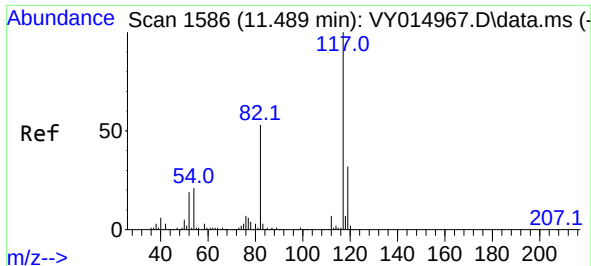
Tgt Ion: 98 Resp: 456788
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.175 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

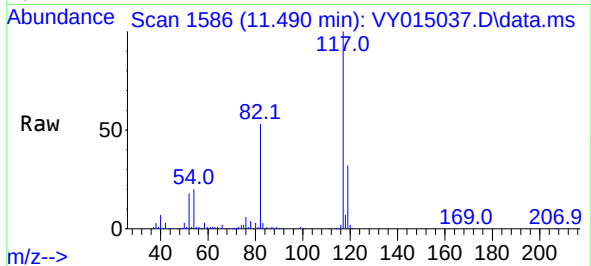
Tgt Ion: 95 Resp: 173819
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.2
176 83.0 0.0 173.8



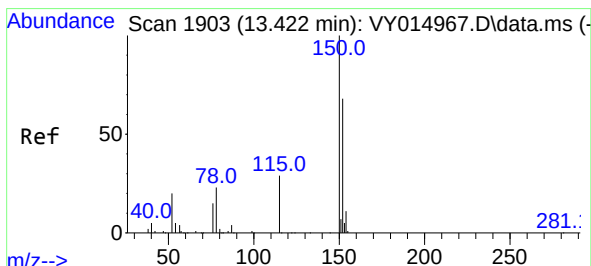
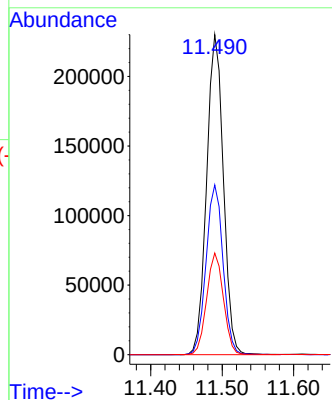
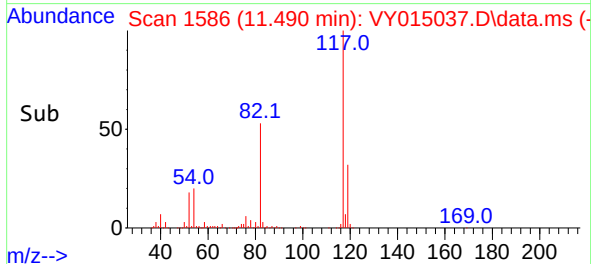


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

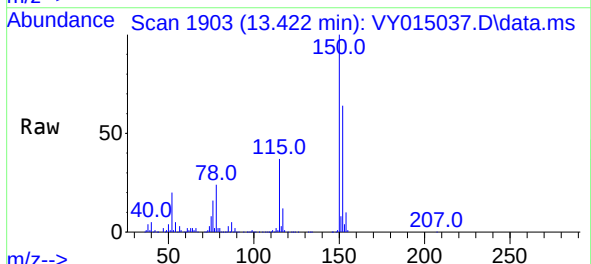
Instrument :
MSVOA_Y
ClientSampleId :



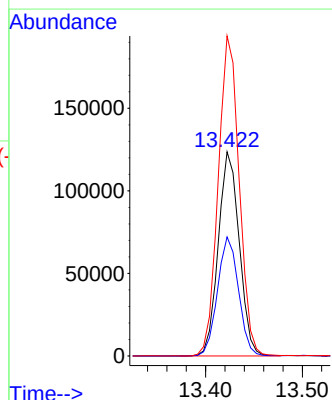
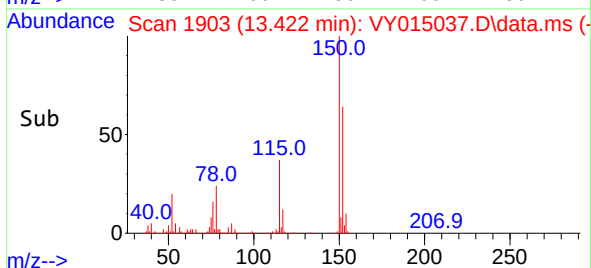
Tgt Ion:117 Resp: 374212
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.7 26.3 39.5

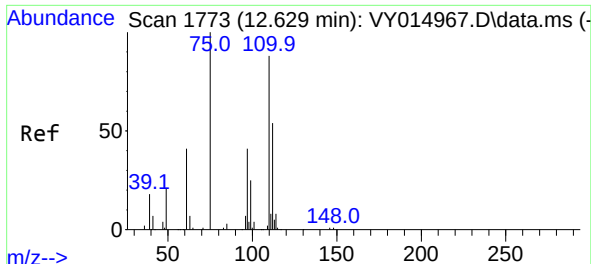


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00



Tgt Ion:152 Resp: 186094
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 156.9 0.0 348.8

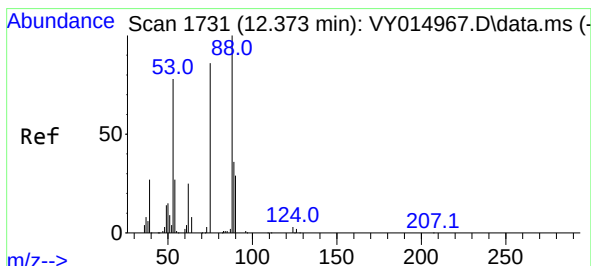
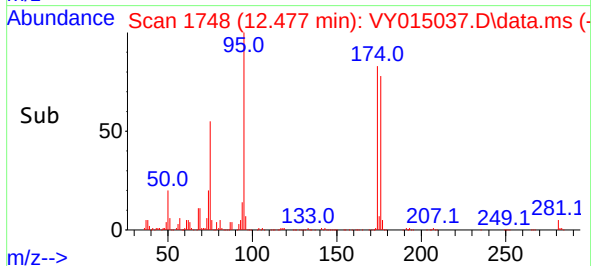
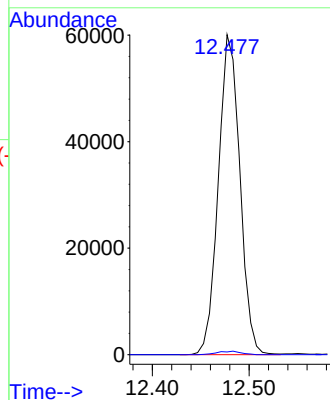
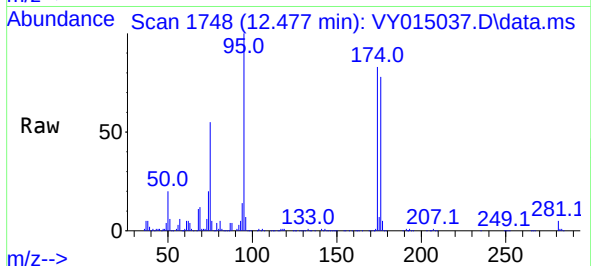




#76
1,2,3-Trichloropropane
Concen: 41.668 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

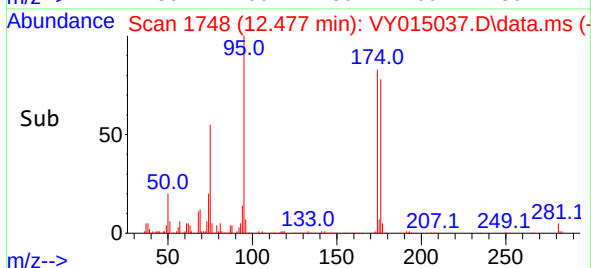
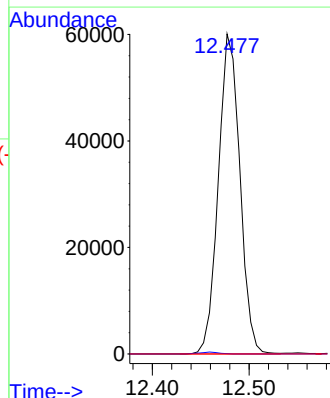
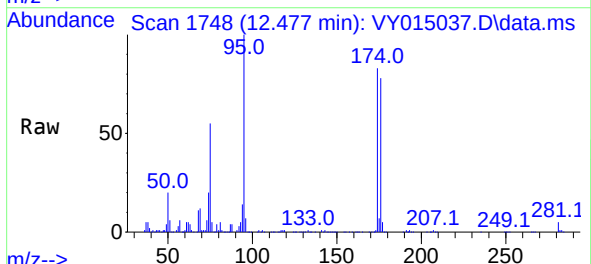
Instrument :
MSVOA_Y
ClientSampleId :

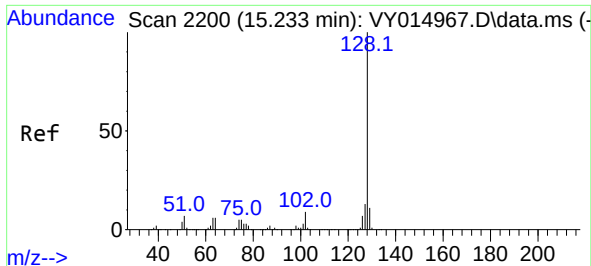
Tgt Ion: 75 Resp: 92913
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.796 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015037.D
Acq: 10 Aug 2023 19:00

Tgt Ion: 75 Resp: 92913
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 9.943 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

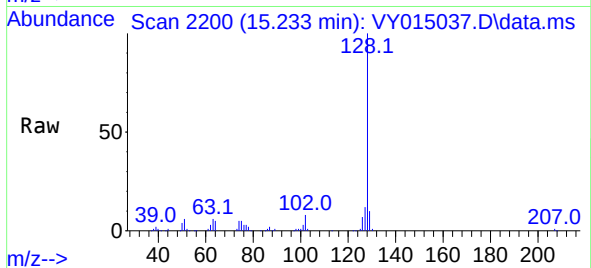
Lab File: VY015037.D

Acq: 10 Aug 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 82067

Ion Ratio Lower Upper

128 100

127 12.2 10.8 16.2

129 10.5 8.6 13.0

