

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015038.D
 Acq On : 10 Aug 2023 19:23
 Operator : SY/MD
 Sample : 03955-04
 Misc : 3.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:09 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)

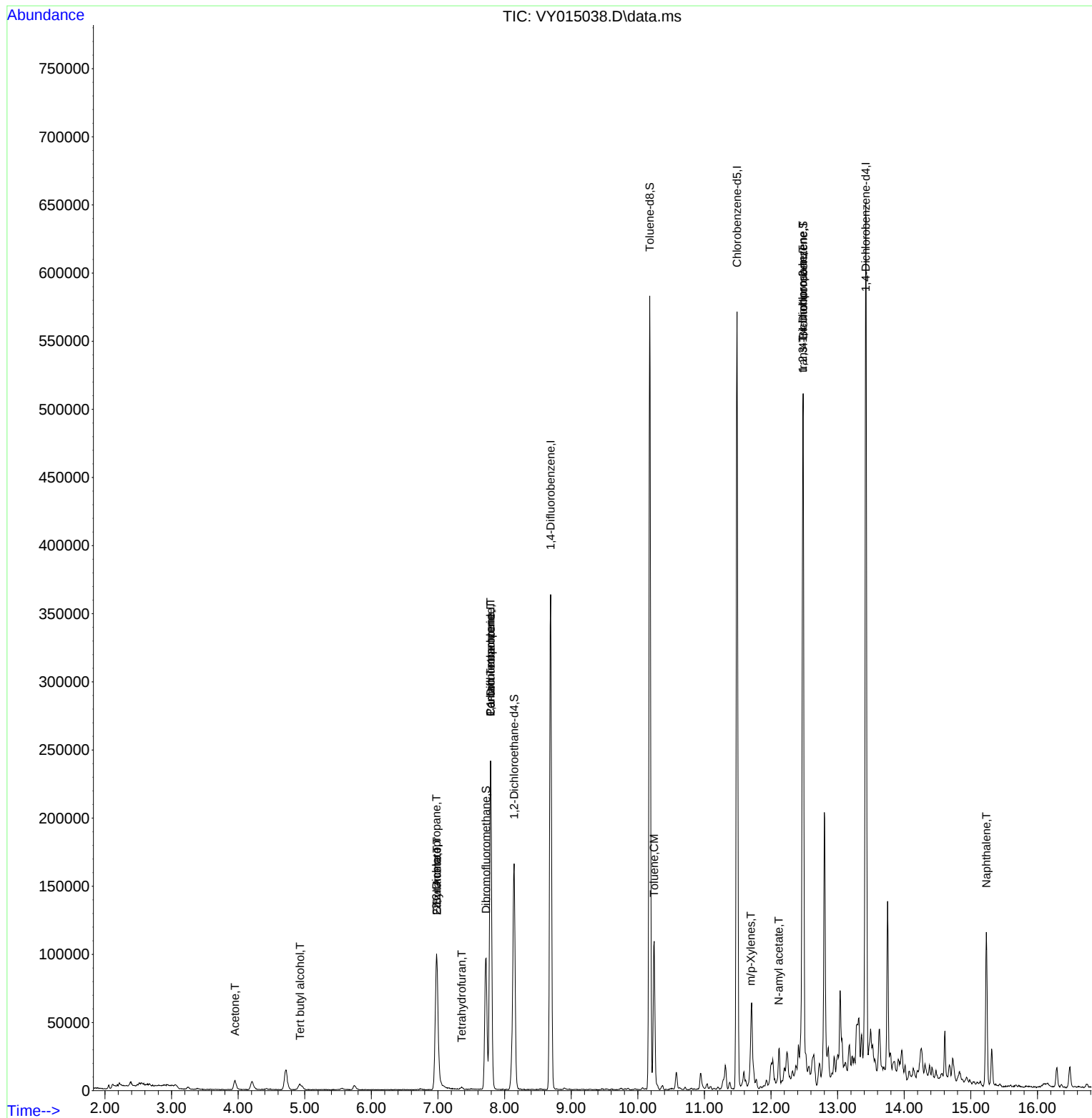
Internal Standards						
1) Pentafluorobenzene	7.789	168	188979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	310848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	121325	52.969	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.940%			
35) Dibromofluoromethane	7.722	113	70025	34.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 68.600%			
50) Toluene-d8	10.179	98	375945	48.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.760%			
62) 4-Bromofluorobenzene	12.483	95	147056	53.394	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	60	Below Cal	#	43
5) Bromomethane	2.674	94	612	Below Cal	#	75
11) Tert butyl alcohol	4.930	59	5450	9.859	ug/l #	89
16) Acetone	3.954	43	11752	16.454	ug/l	97
20) Methylene Chloride	4.716	84	11135	Below Cal	#	82
25) 2-Butanone	6.984	43	8938	8.737	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	7419	2.231	ug/l #	54
29) Tetrahydrofuran	7.356	42	946	1.577	ug/l #	87
31) Cyclohexane	7.789	56	4033	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14025	5.533	ug/l #	49
37) Ethyl Acetate	6.984	43	8938	4.442	ug/l #	72
38) Carbon Tetrachloride	7.789	117	18289	6.418	ug/l #	16
52) Toluene	10.246	92	45575	9.489	ug/l	96
68) m/p-Xylenes	11.697	106	8447	2.133	ug/l	97
74) N-amyl acetate	12.117	43	5989	1.628	ug/l #	67
76) 1,2,3-Trichloropropane	12.477	75	78802	41.070	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78802	90.478	ug/l #	11
95) Naphthalene	15.233	128	94142	13.256	ug/l	99

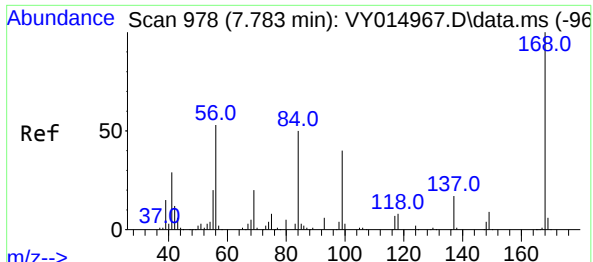
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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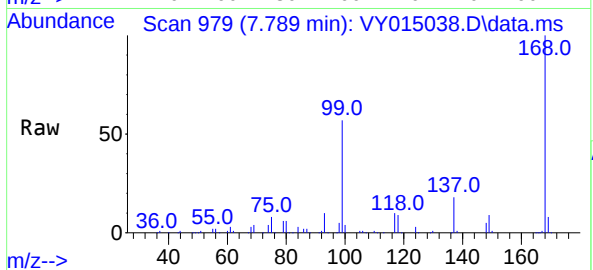
Quant Time: Aug 11 01:58:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
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QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



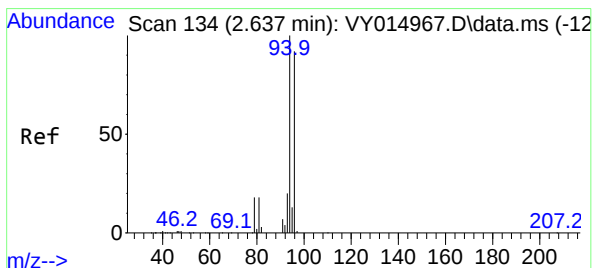
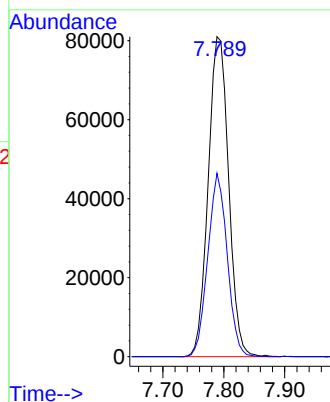
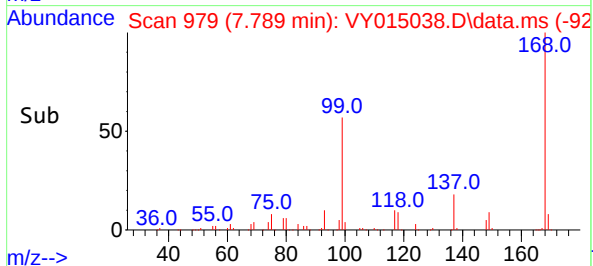


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

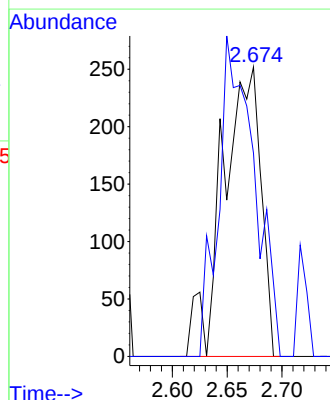
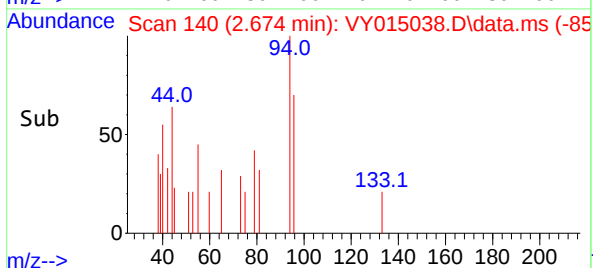
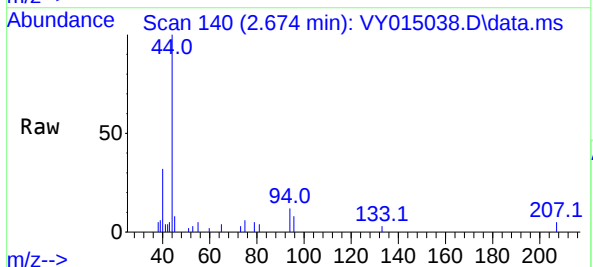


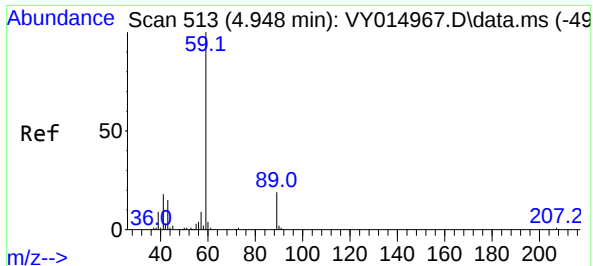
Tgt Ion:168 Resp: 188979
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

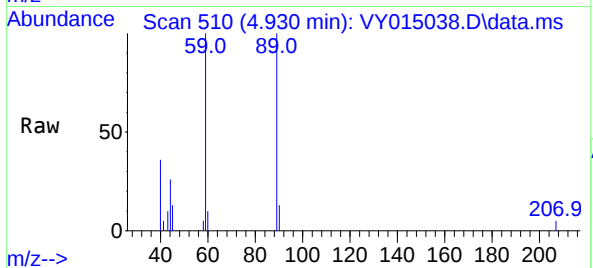
Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 70.2 75.8 113.6#



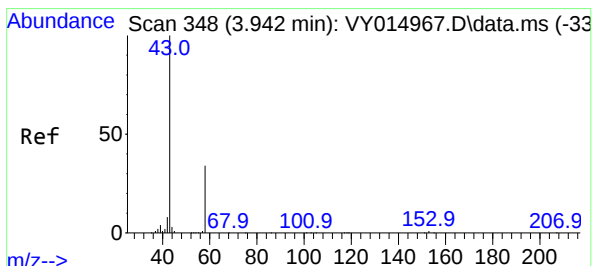
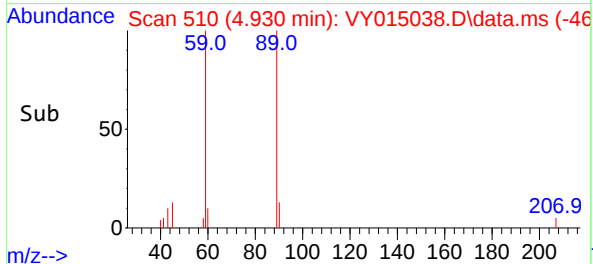
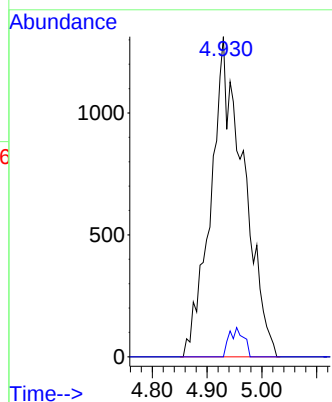


#11
Tert butyl alcohol
Concen: 9.859 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

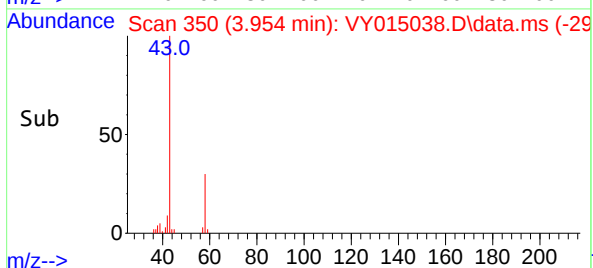
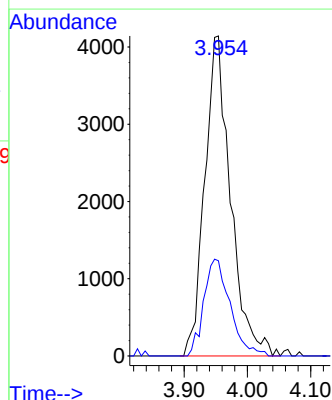
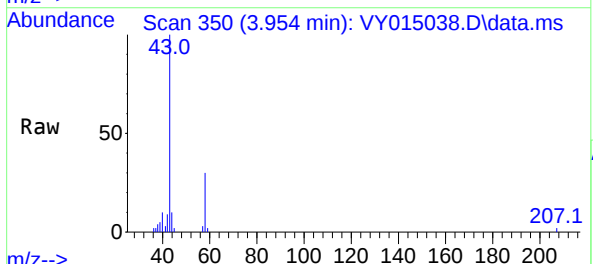


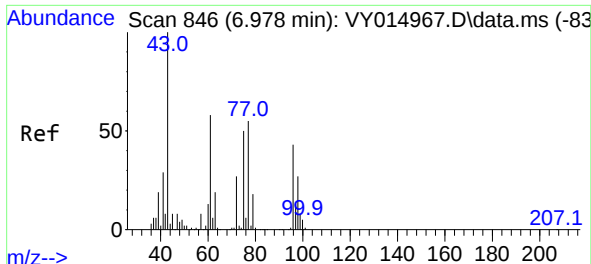
Tgt Ion: 59 Resp: 5450
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 16.454 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Tgt Ion: 43 Resp: 11752
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1





#25

2-Butanone

Concen: 8.737 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

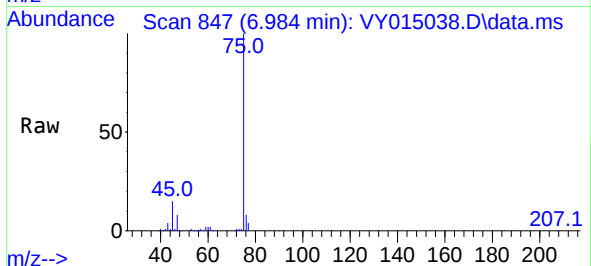
Lab File: VY015038.D

Acq: 10 Aug 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

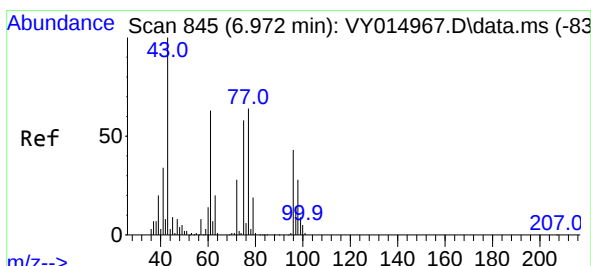
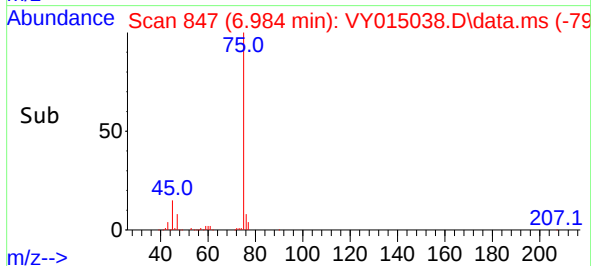
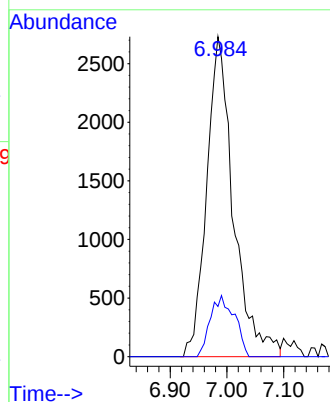


Tgt Ion: 43 Resp: 8938

Ion Ratio Lower Upper

43 100

72 15.7 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.231 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015038.D

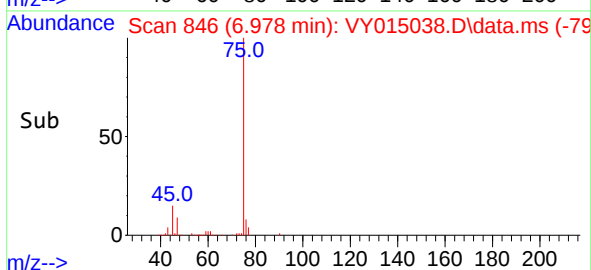
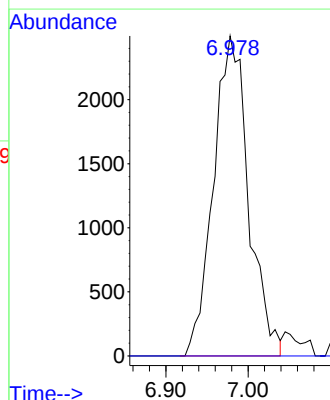
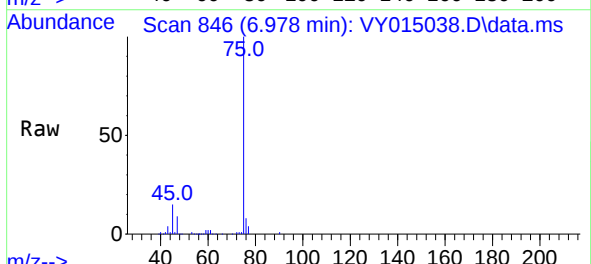
Acq: 10 Aug 2023 19:23

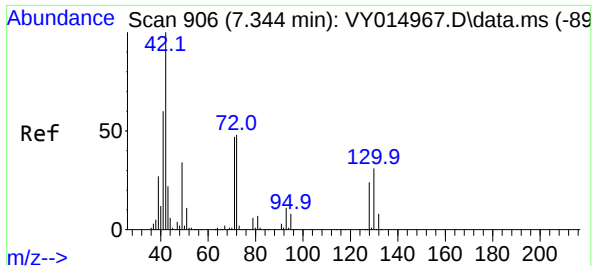
Tgt Ion: 77 Resp: 7419

Ion Ratio Lower Upper

77 100

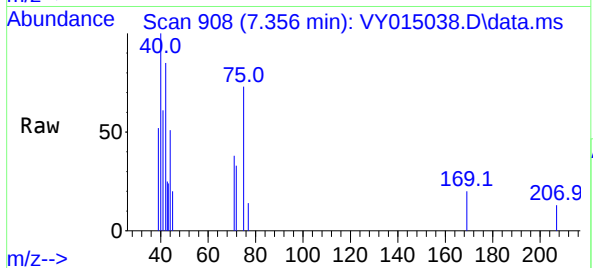
97 0.0 10.9 32.9#



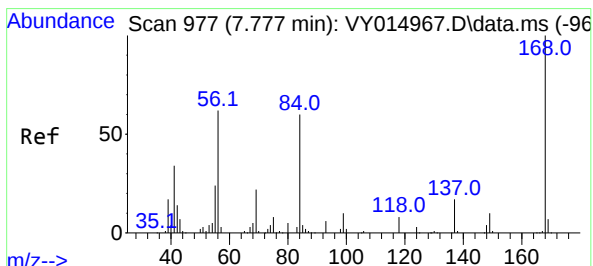
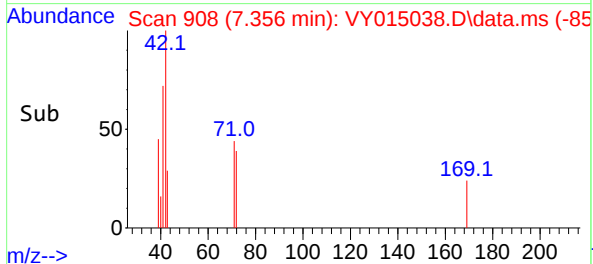
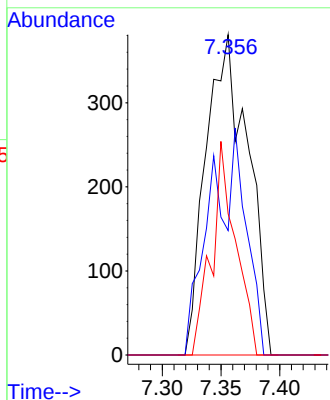


#29
Tetrahydrofuran
Concen: 1.577 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

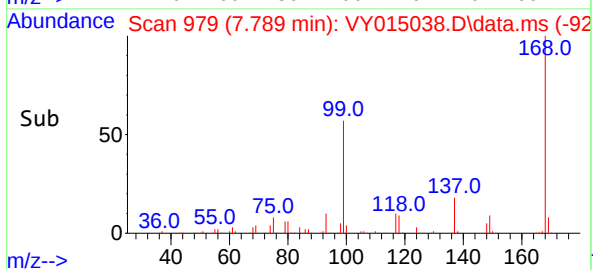
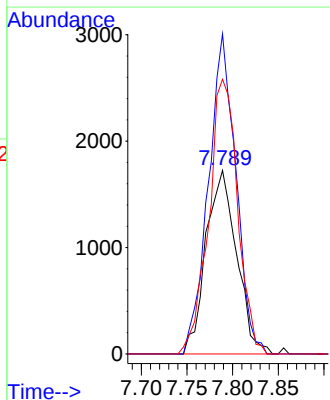
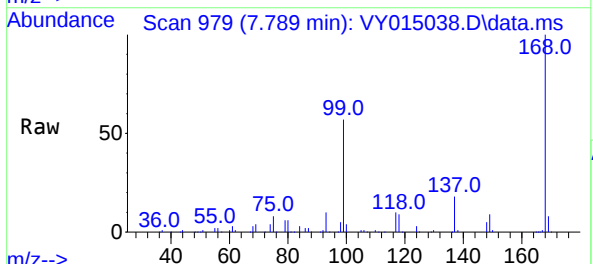


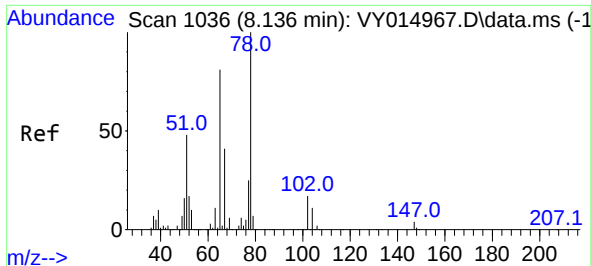
Tgt Ion: 42 Resp: 946
Ion Ratio Lower Upper
42 100
72 25.6 32.8 49.2#
71 38.1 31.0 46.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Tgt Ion: 56 Resp: 4033
Ion Ratio Lower Upper
56 100
69 174.3 27.8 41.6#
84 149.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.969 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015038.D

Acq: 10 Aug 2023 19:23

Instrument :

MSVOA_Y

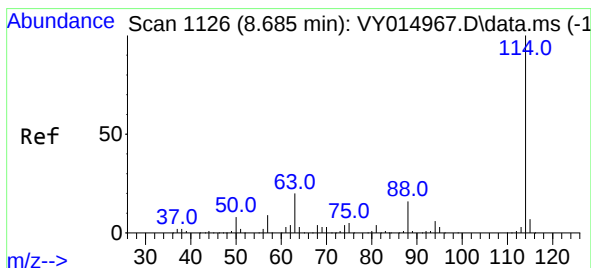
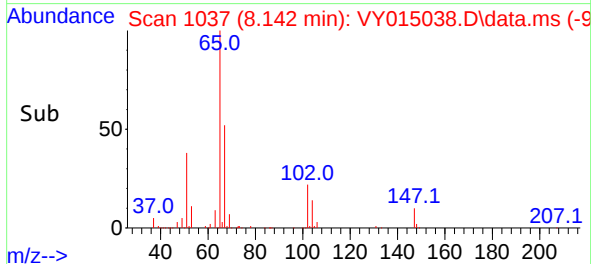
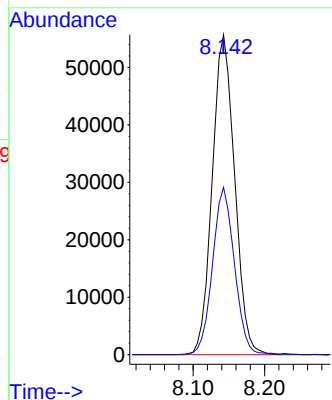
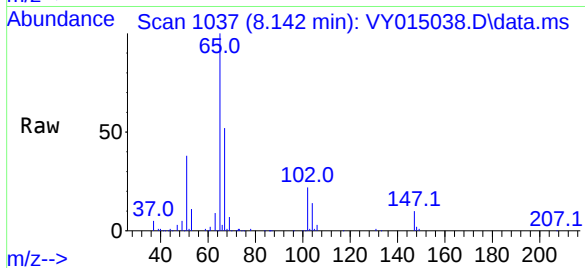
ClientSampleId :

Tgt Ion: 65 Resp: 121325

Ion Ratio Lower Upper

65 100

67 51.0 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: VY015038.D

Acq: 10 Aug 2023 19:23

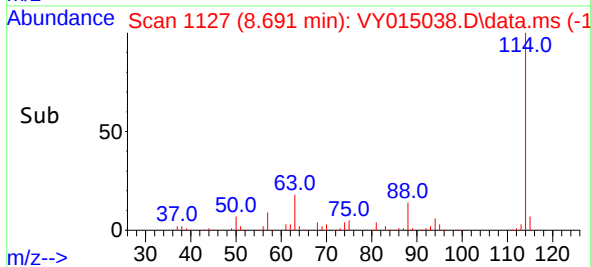
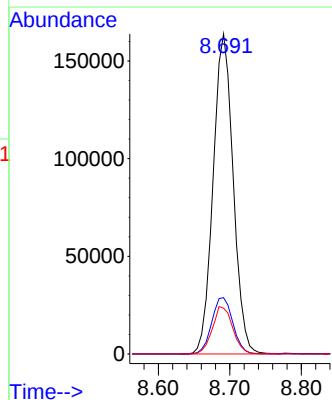
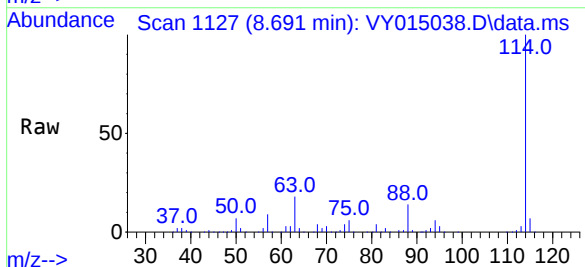
Tgt Ion: 114 Resp: 319263

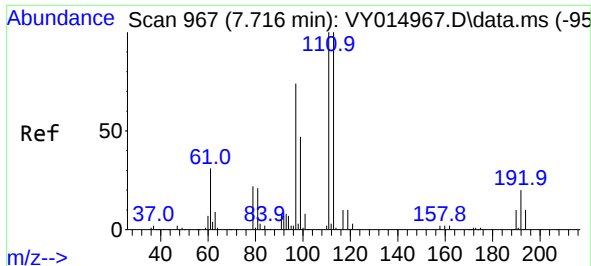
Ion Ratio Lower Upper

114 100

63 17.6 0.0 42.4

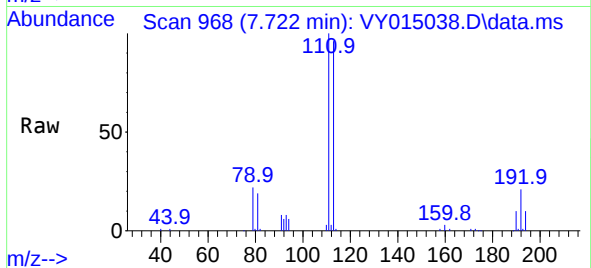
88 14.3 0.0 30.6



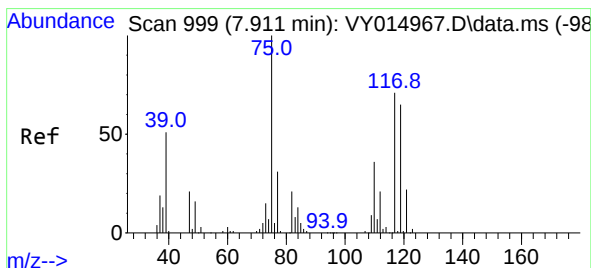
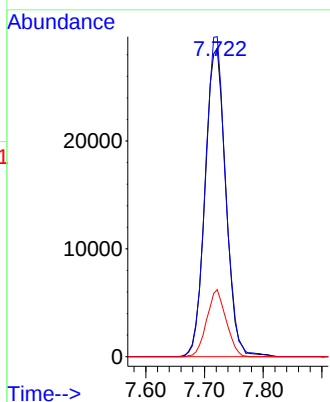
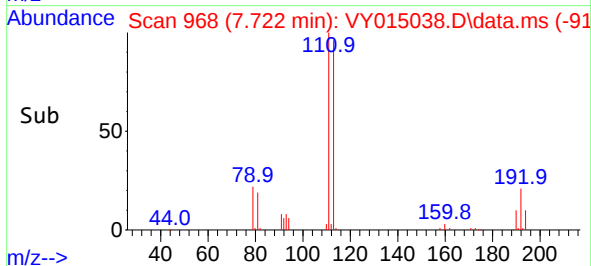


#35
Dibromofluoromethane
Concen: 34.299 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

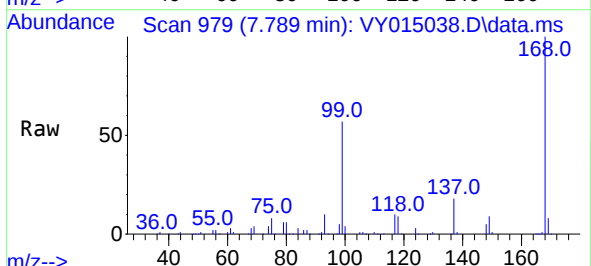
Instrument :
MSVOA_Y
ClientSampleId :



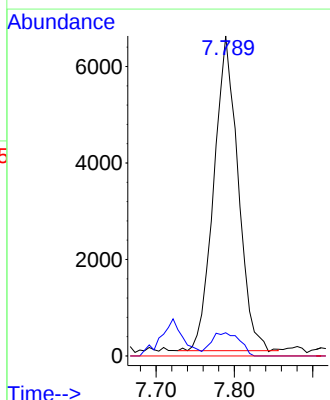
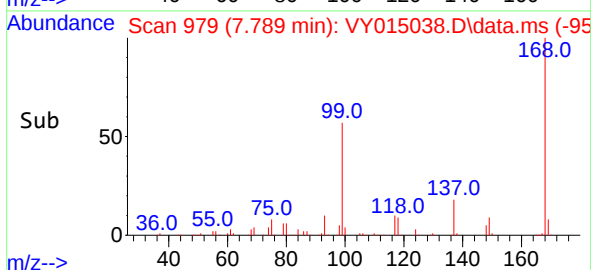
Tgt Ion:113 Resp: 70025
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 20.3 16.9 25.3

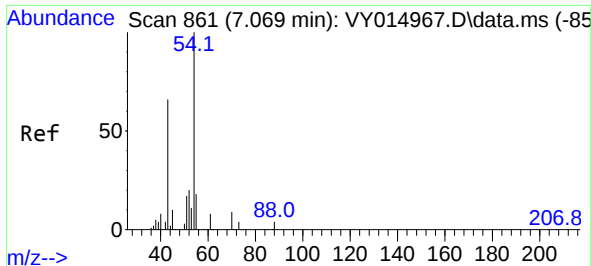


#36
1,1-Dichloropropene
Concen: 5.533 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23



Tgt Ion: 75 Resp: 14025
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.442 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

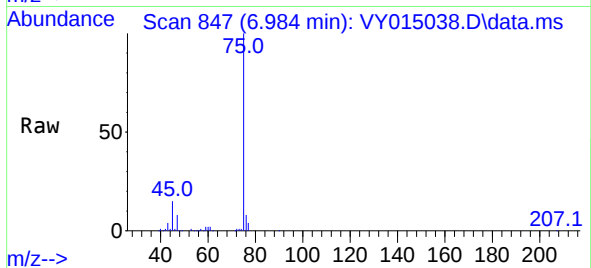
Lab File: VY015038.D

Acq: 10 Aug 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :



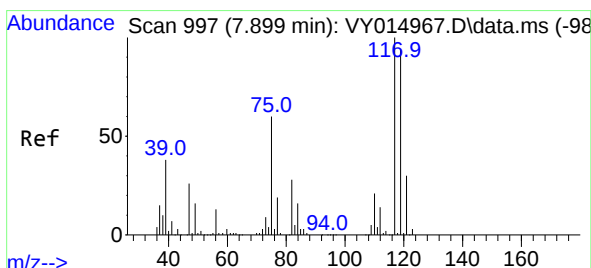
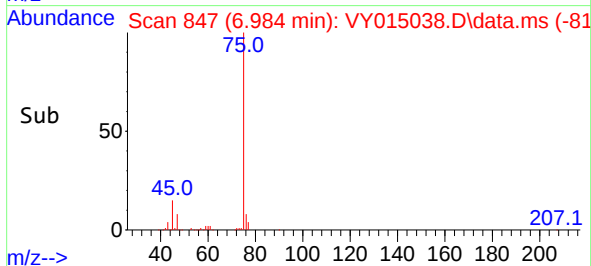
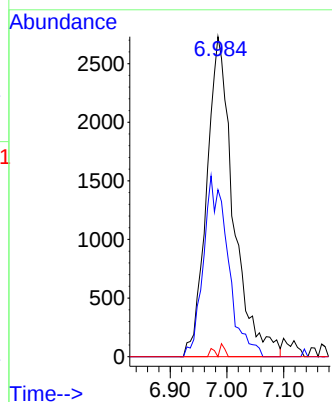
Tgt Ion: 43 Resp: 8938

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.418 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015038.D

Acq: 10 Aug 2023 19:23

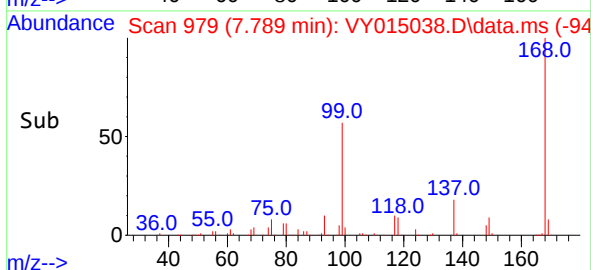
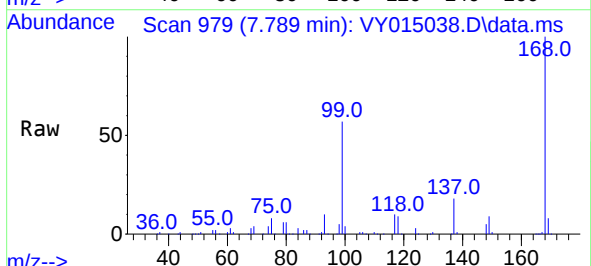
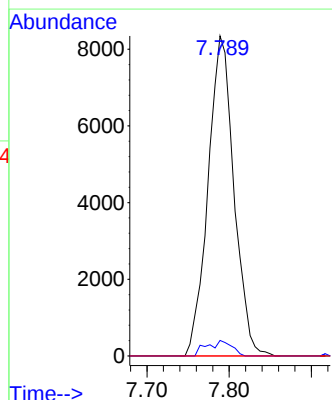
Tgt Ion: 117 Resp: 18289

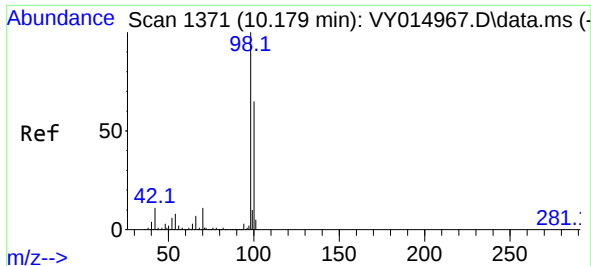
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

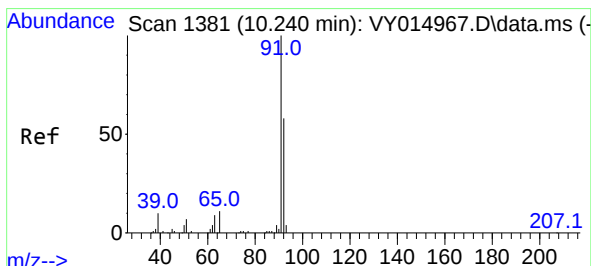
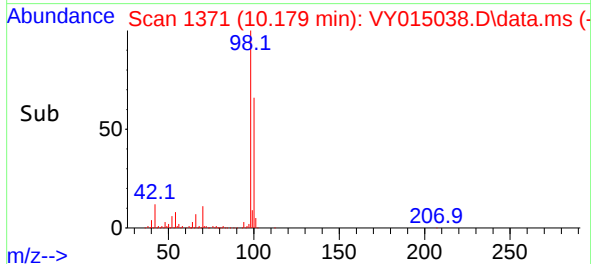
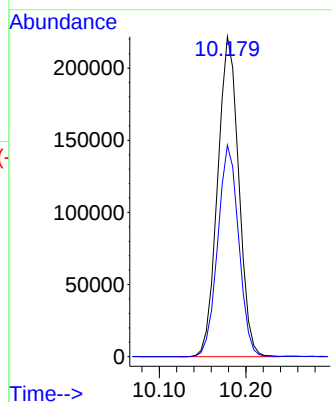
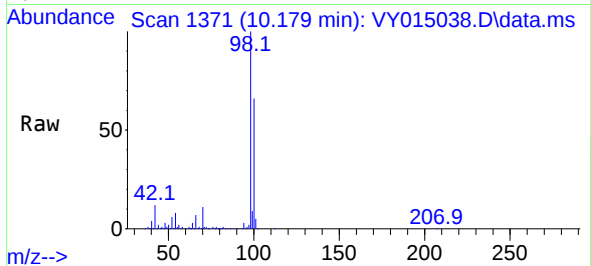




#50
Toluene-d8
Concen: 48.379 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

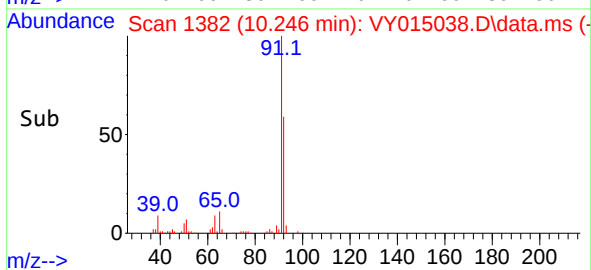
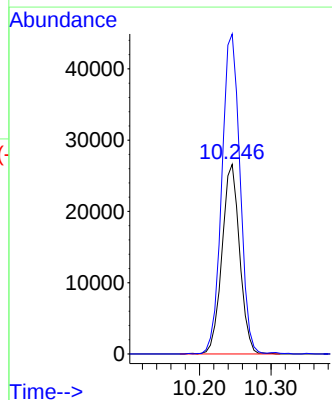
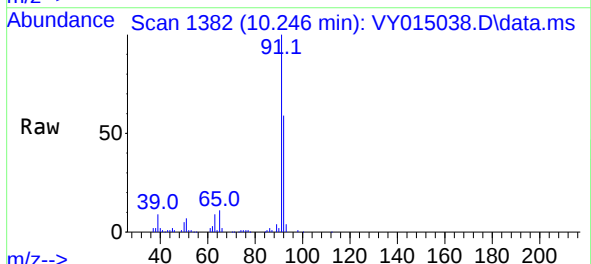
Instrument :
MSVOA_Y
ClientSampleId :

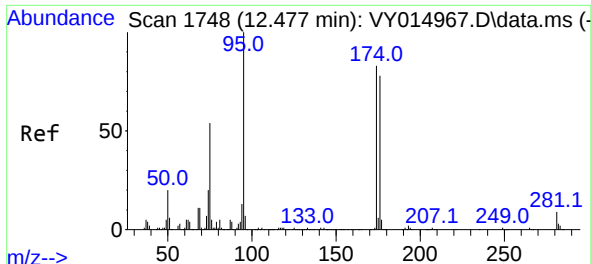
Tgt Ion: 98 Resp: 375945
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#52
Toluene
Concen: 9.489 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Tgt Ion: 92 Resp: 45575
Ion Ratio Lower Upper
92 100
91 173.8 143.8 215.6

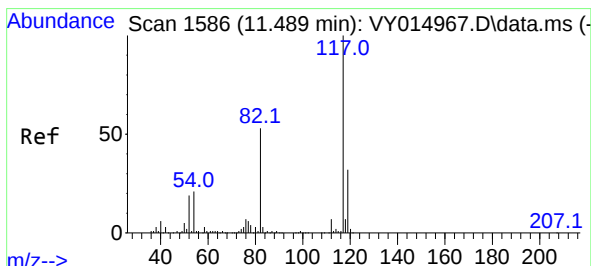
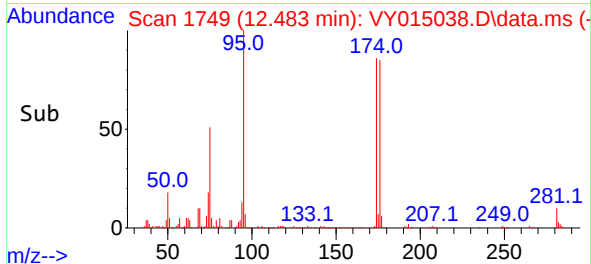
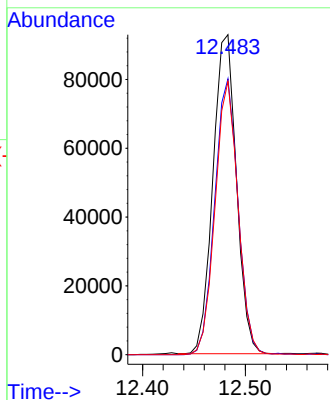
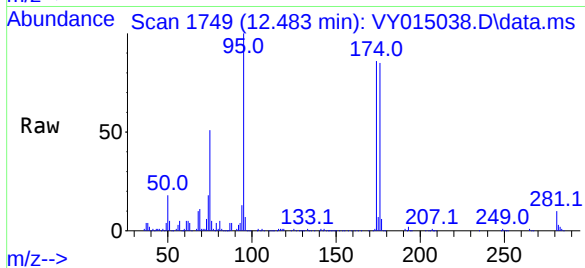




#62
4-Bromofluorobenzene
Concen: 53.394 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

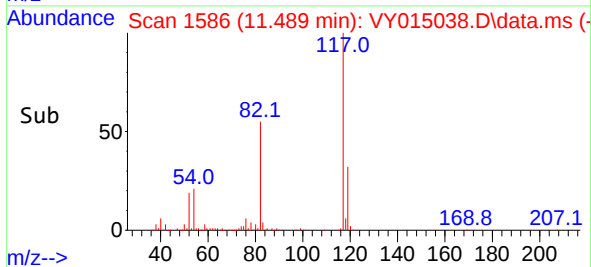
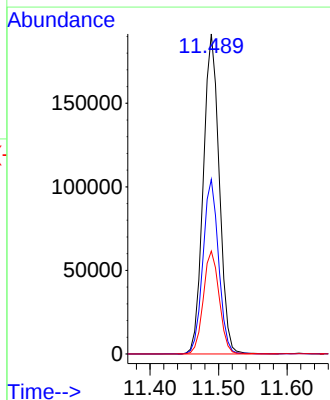
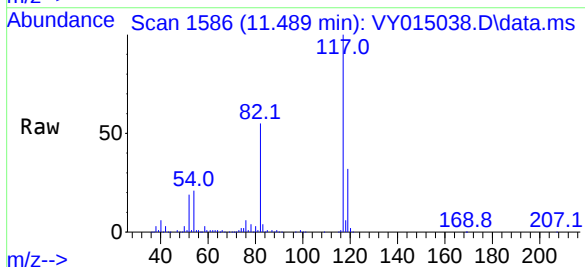
Instrument :
MSVOA_Y
ClientSampleId :

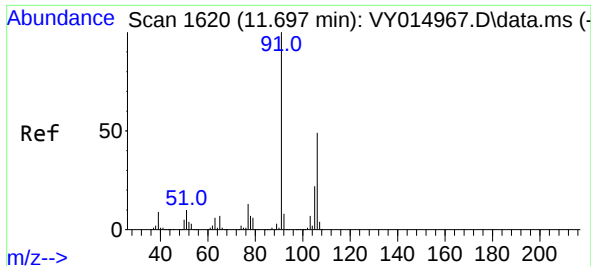
Tgt Ion: 95 Resp: 147056
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 83.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Tgt Ion: 117 Resp: 310848
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.1 26.3 39.5

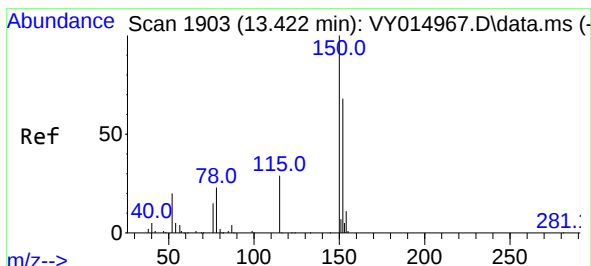
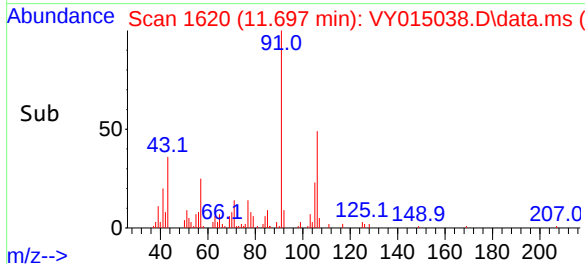
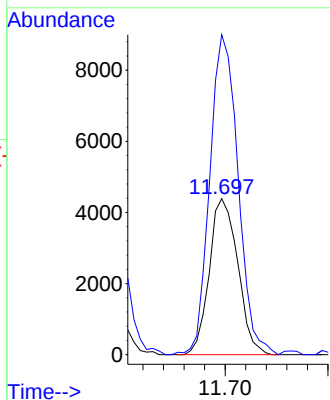
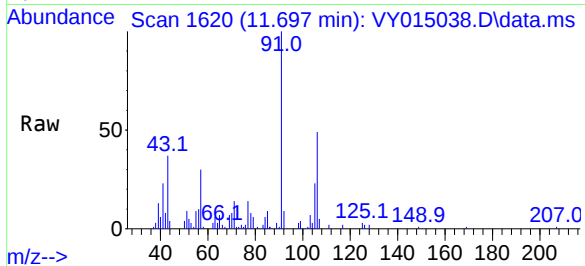




#68
m/p-Xylenes
Concen: 2.133 ug/l
RT: 11.697 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

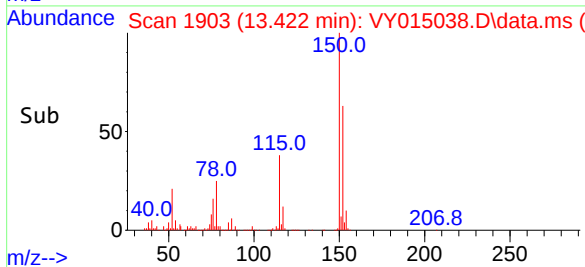
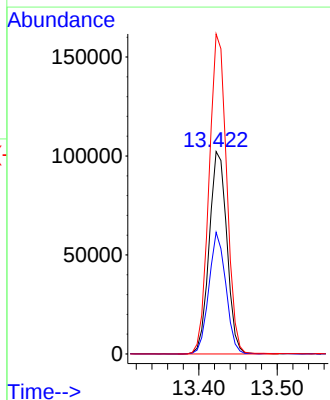
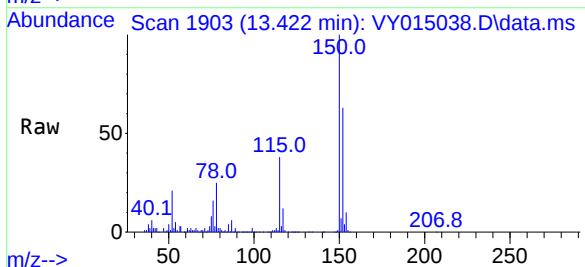
Instrument :
MSVOA_Y
ClientSampleId :

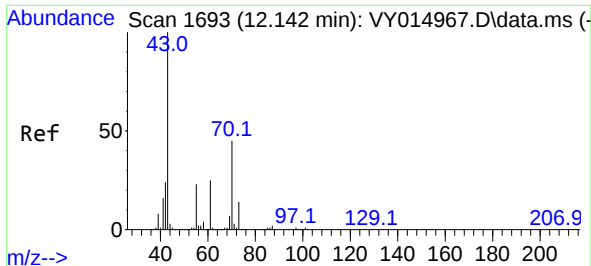
Tgt Ion:106 Resp: 8447
Ion Ratio Lower Upper
106 100
91 203.5 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

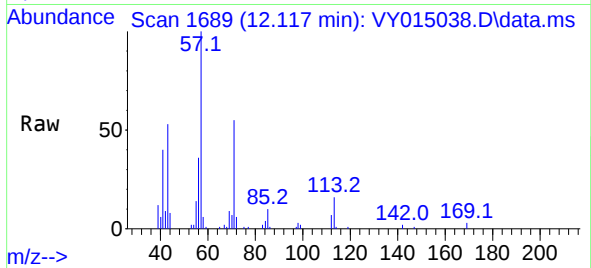
Tgt Ion:152 Resp: 160129
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 157.3 0.0 348.8



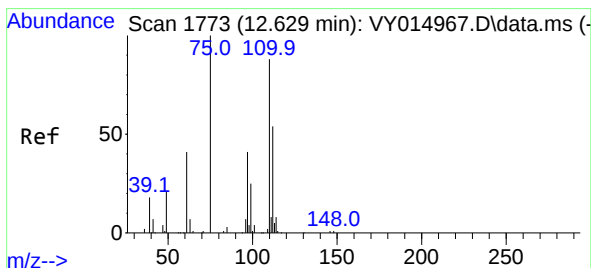
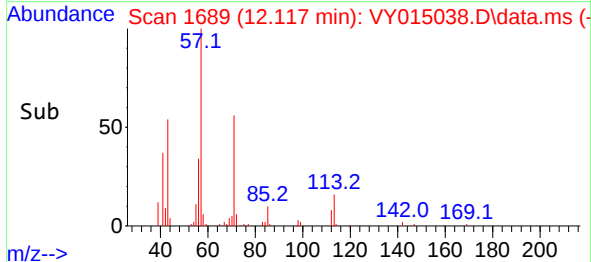
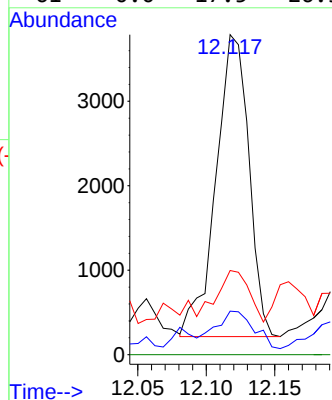


#74
N-amy1 acetate
Concen: 1.628 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

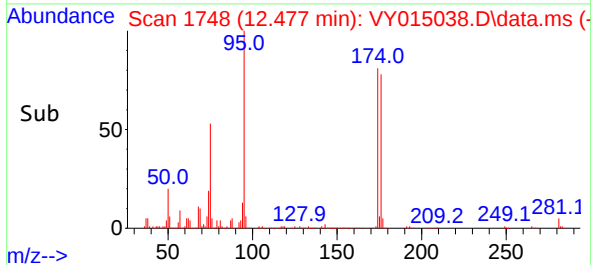
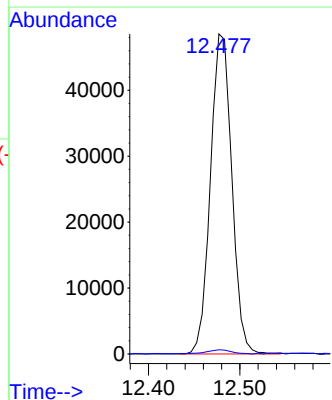
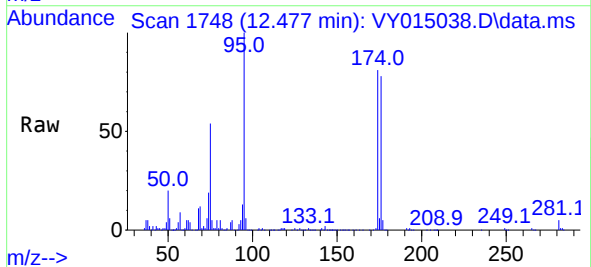


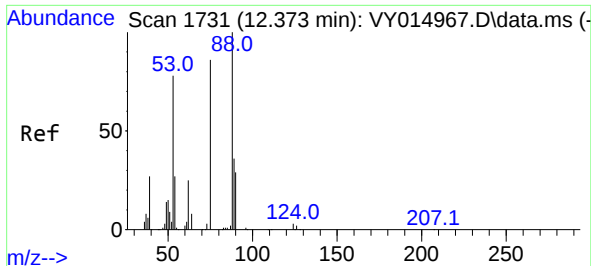
Tgt Ion: 43 Resp: 5989
Ion Ratio Lower Upper
43 100
70 14.4 29.7 44.5#
55 16.5 18.3 27.5#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 41.070 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

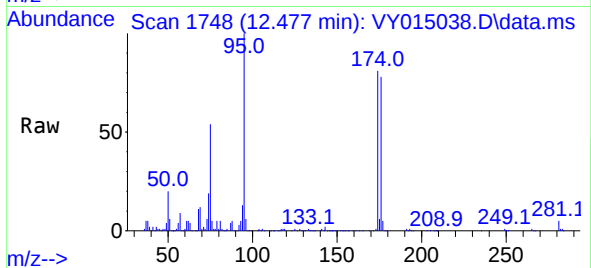
Tgt Ion: 75 Resp: 78802
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



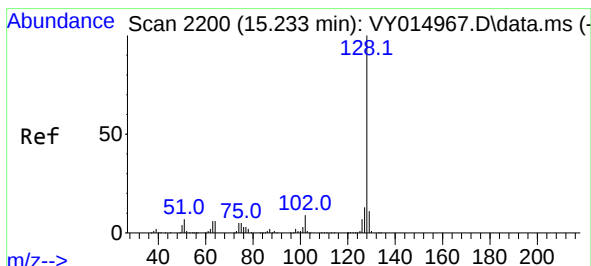
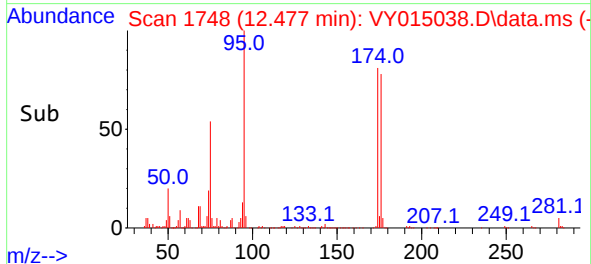
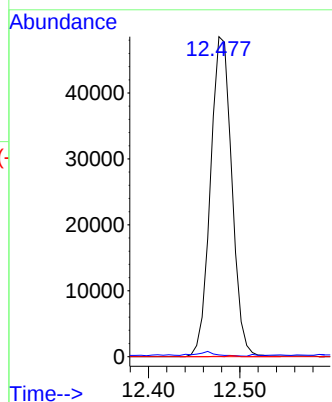


#81
trans-1,4-Dichloro-2-butene
Concen: 90.478 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 78802
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 13.256 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015038.D
Acq: 10 Aug 2023 19:23

Tgt Ion:128 Resp: 94142
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.5 8.6 13.0

