

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015968.D
 Acq On : 13 Oct 2023 19:23
 Operator : SY/MD
 Sample : 04876-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:51:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

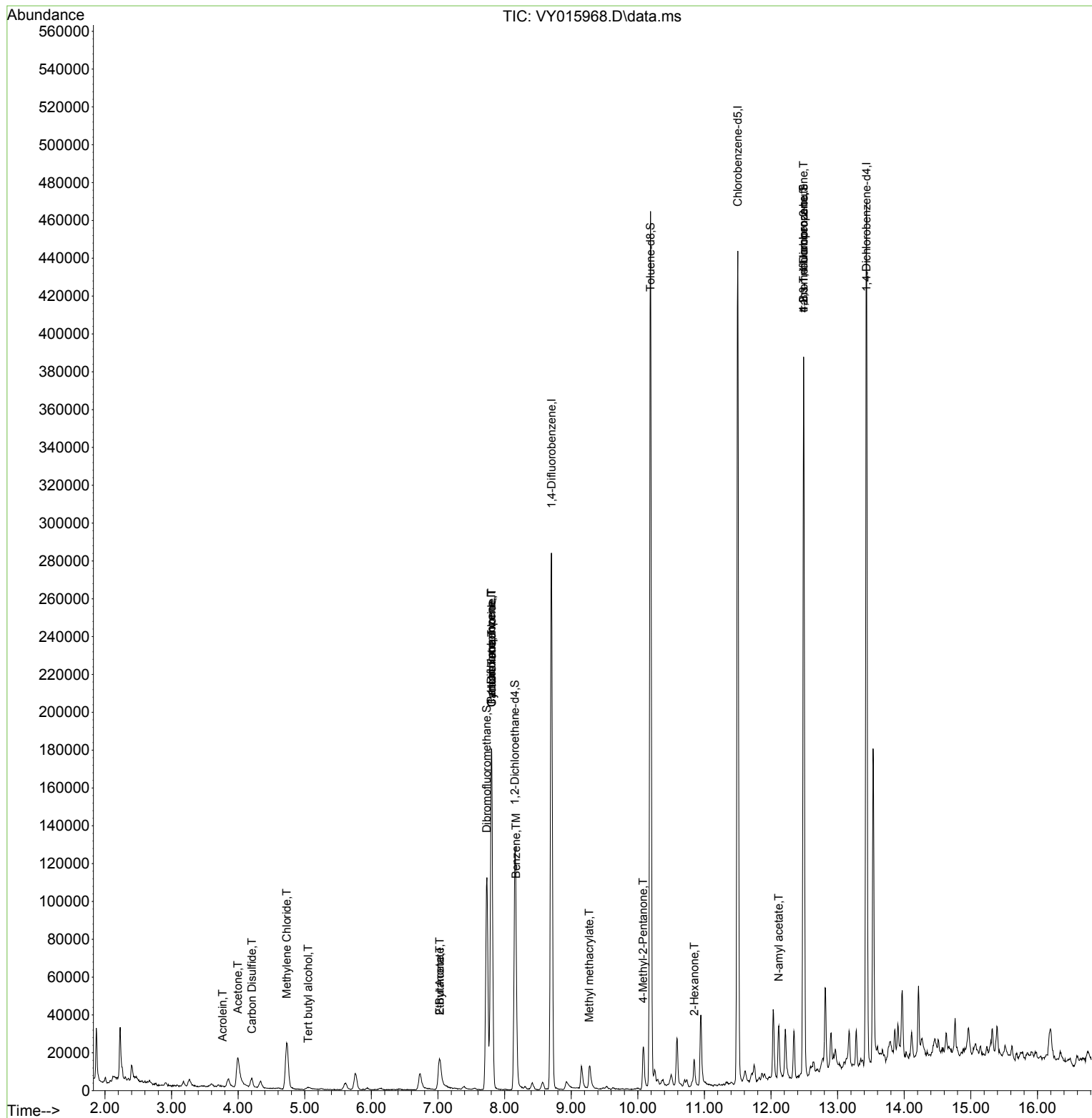
Internal Standards						
1) Pentafluorobenzene	7.801	168	145037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	250930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	243608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	97703	59.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.060%	
35) Dibromofluoromethane	7.734	113	82061	51.946	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.191	98	302478	51.129	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.260%	
62) 4-Bromofluorobenzene	12.489	95	111653	53.002	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	457	Below Cal	#	82
11) Tert butyl alcohol	5.052	59	1859	1.936	ug/l #	92
13) Acrolein	3.765	56	509	1.628	ug/l	97
16) Acetone	3.997	43	48021	49.942	ug/l	90
17) Carbon Disulfide	4.204	76	9481	2.199	ug/l	99
20) Methylene Chloride	4.728	84	19365	6.974	ug/l #	91
25) 2-Butanone	7.027	43	17331	12.384	ug/l	99
31) Cyclohexane	7.807	56	3003	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10811	4.536	ug/l #	50
37) Ethyl Acetate	7.027	43	17331	4.712	ug/l #	74
38) Carbon Tetrachloride	7.807	117	14580	5.808	ug/l #	15
40) Benzene	8.173	78	21588	3.130	ug/l	96
48) Methyl methacrylate	9.270	41	3758	2.153	ug/l #	48
51) 4-Methyl-2-Pentanone	10.081	43	17270	5.931	ug/l	93
59) 2-Hexanone	10.849	43	11655	4.689	ug/l	99
74) N-amyl acetate	12.117	43	17834	5.205	ug/l #	51
76) 1,2,3-Trichloropropane	12.489	75	57595	24.567	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	57595	57.871	ug/l #	11

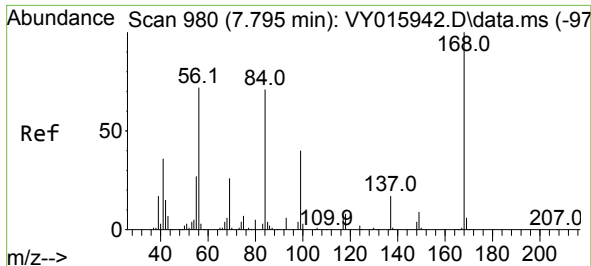
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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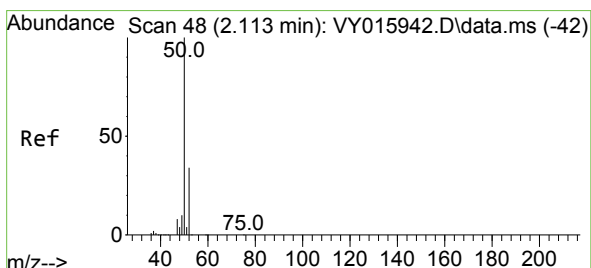
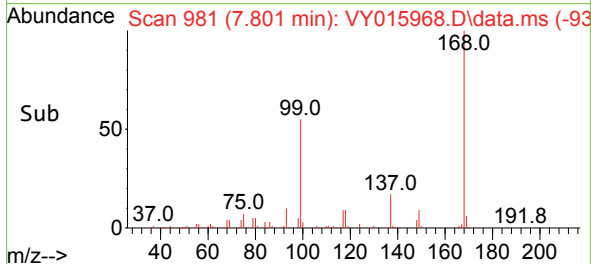
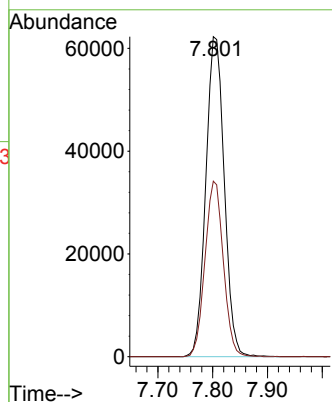
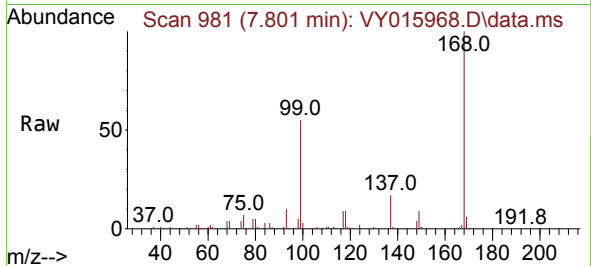




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

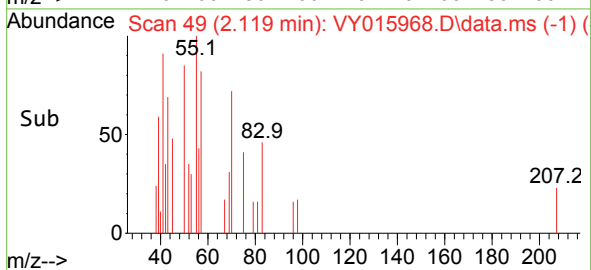
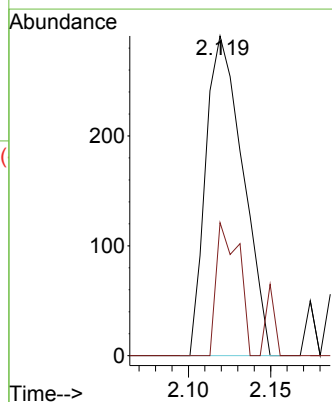
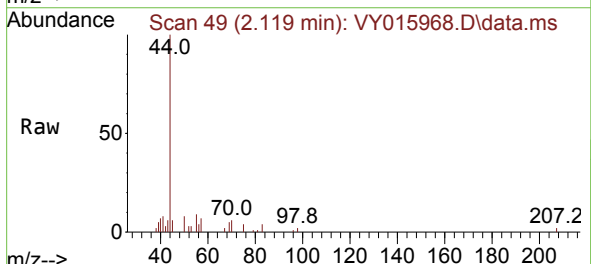
Instrument :
MSVOA_Y
ClientSampleId :

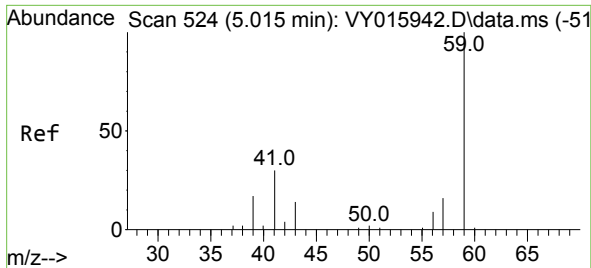
Tgt Ion:168 Resp: 145037
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

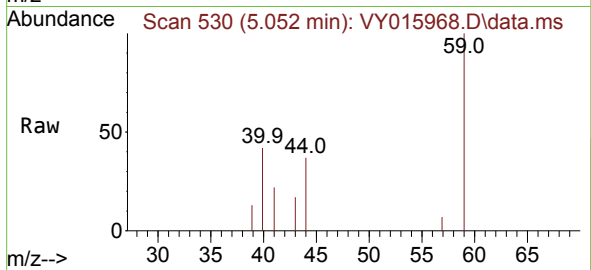
Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 41.6 25.4 38.2#



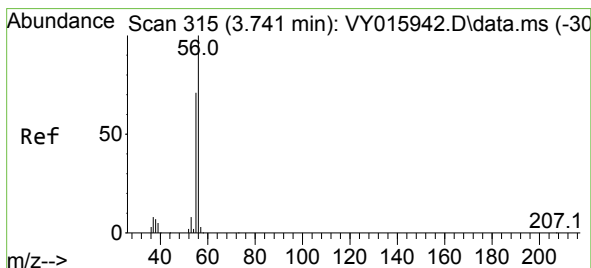
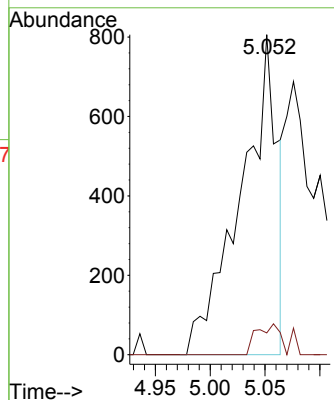
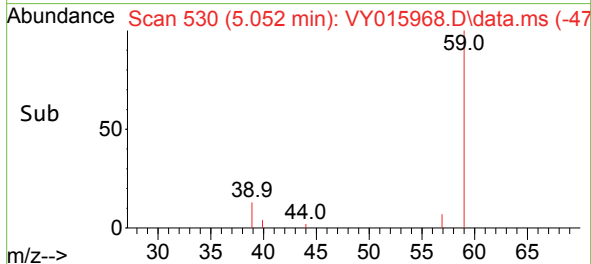


#11
Tert butyl alcohol
Concen: 1.936 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.037 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

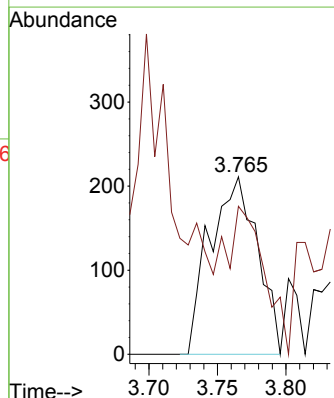
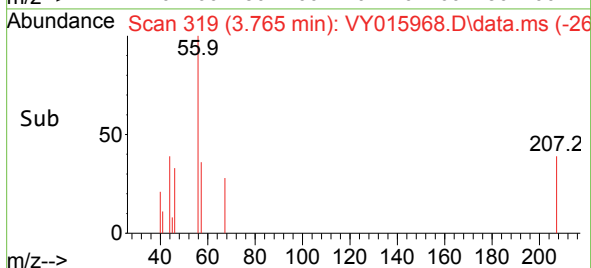
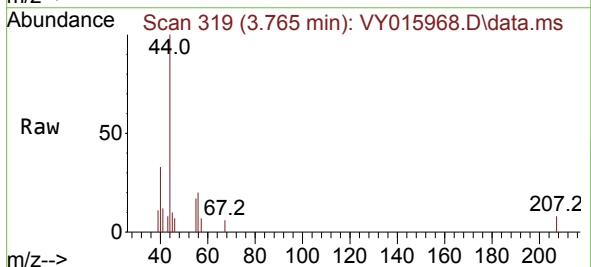


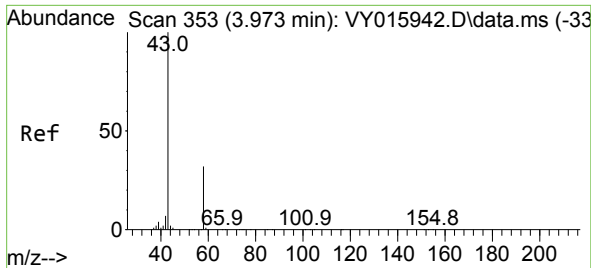
Tgt Ion: 59 Resp: 1859
Ion Ratio Lower Upper
59 100
57 6.2 3.0 4.4#



#13
Acrolein
Concen: 1.628 ug/l
RT: 3.765 min Scan# 319
Delta R.T. 0.024 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 56 Resp: 509
Ion Ratio Lower Upper
56 100
55 68.6 57.0 85.4





#16

Acetone

Concen: 49.942 ug/l

RT: 3.997 min Scan# 3

Delta R.T. 0.024 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

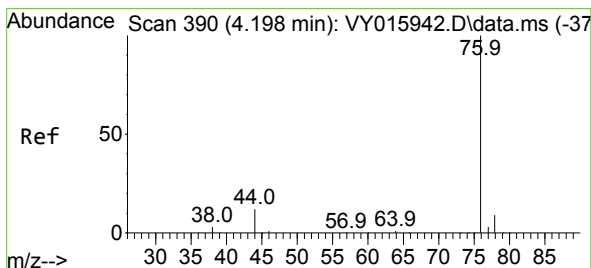
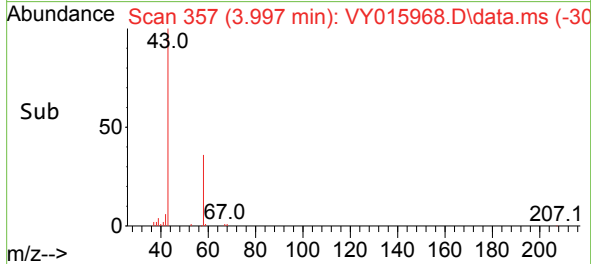
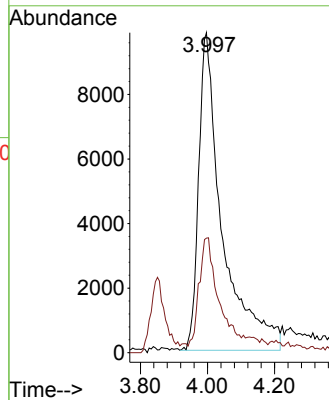
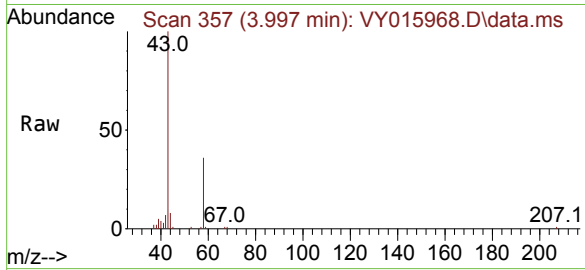
ClientSampleId :

Tgt Ion: 43 Resp: 48021

Ion Ratio Lower Upper

43 100

58 33.9 22.7 34.1



#17

Carbon Disulfide

Concen: 2.199 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY015968.D

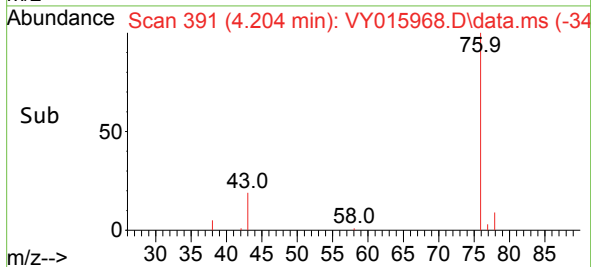
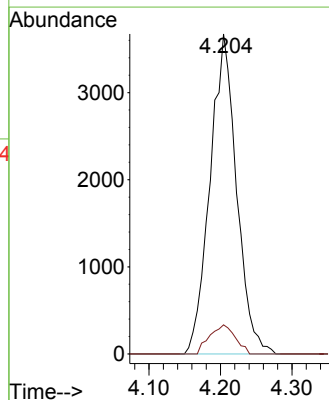
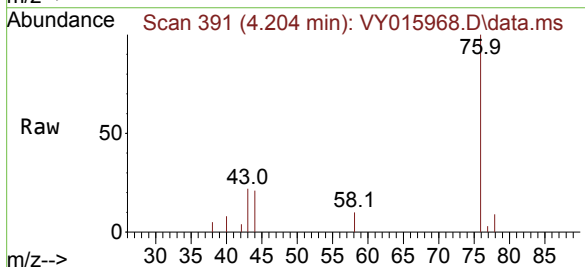
Acq: 13 Oct 2023 19:23

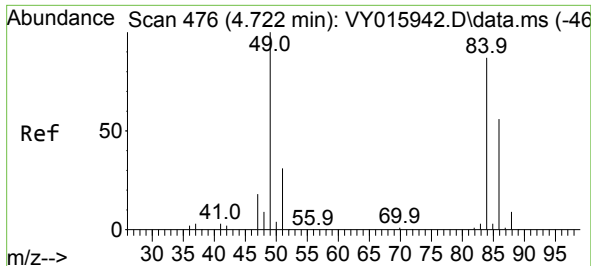
Tgt Ion: 76 Resp: 9481

Ion Ratio Lower Upper

76 100

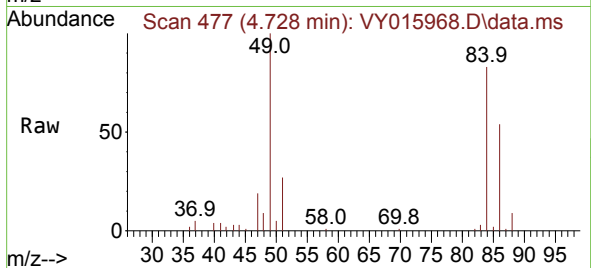
78 9.1 7.0 10.4



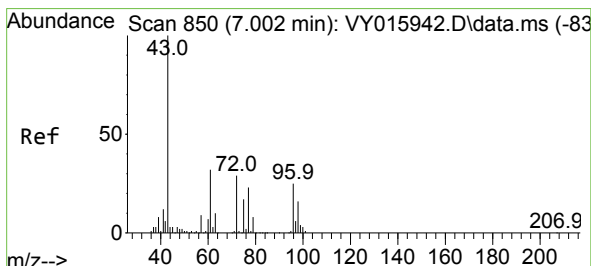
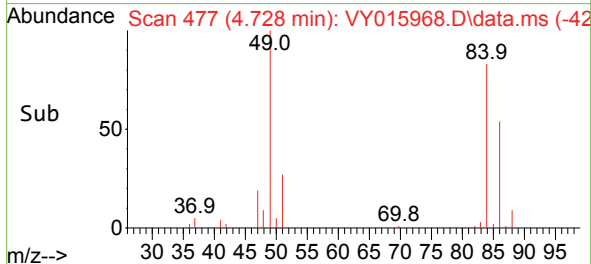
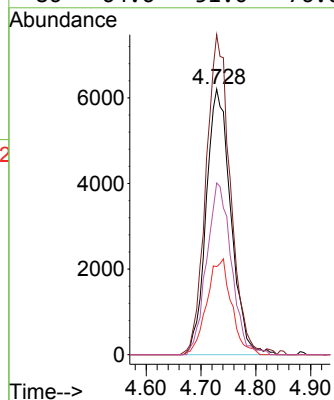


#20
Methylene Chloride
Concen: 6.974 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

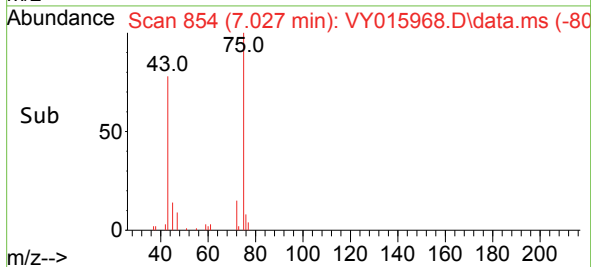
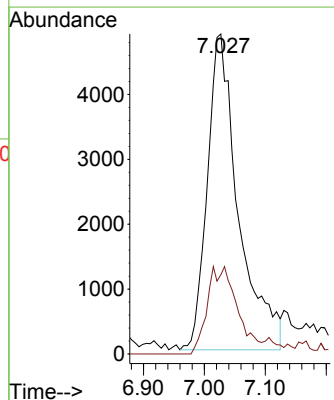
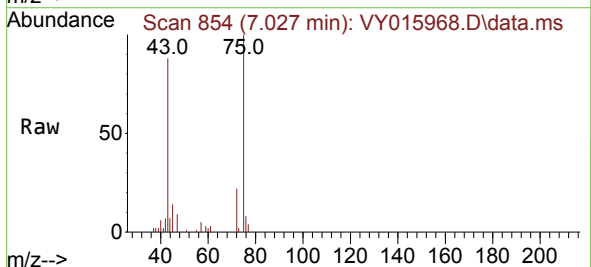


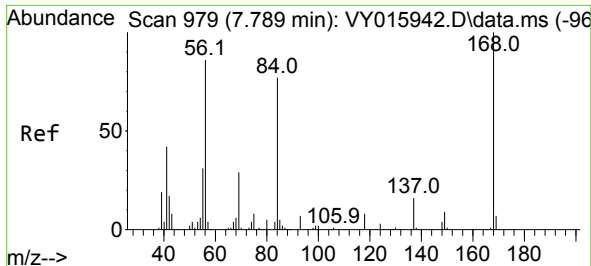
Tgt Ion: 84 Resp: 19365
Ion Ratio Lower Upper
84 100
49 120.4 106.9 160.3
51 33.1 33.2 49.8#
86 64.6 51.0 76.6



#25
2-Butanone
Concen: 12.384 ug/l
RT: 7.027 min Scan# 854
Delta R.T. 0.024 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7





#31

Cyclohexane

Concen: 1.140 ug/l

RT: 7.807 min Scan# 91

Delta R.T. 0.018 min

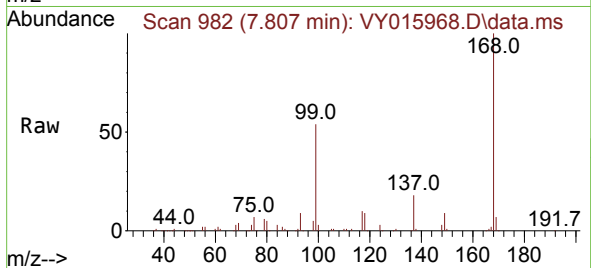
Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :



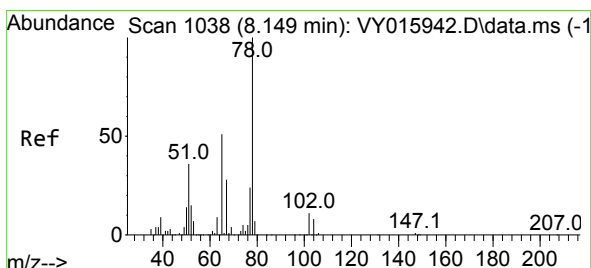
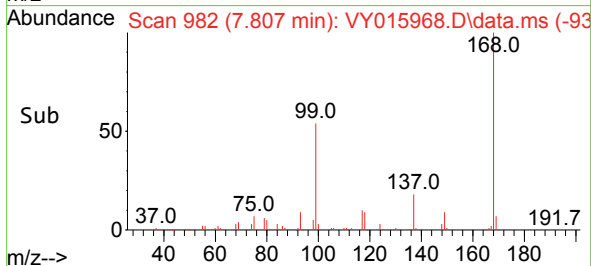
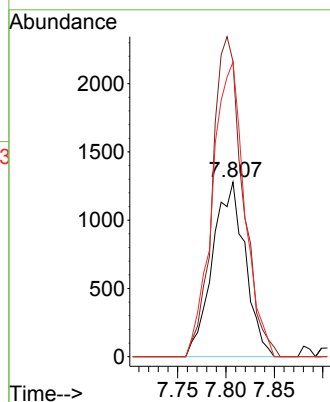
Tgt Ion: 56 Resp: 3003

Ion Ratio Lower Upper

56 100

69 169.0 27.8 41.6#

84 168.8 66.4 99.6#



#33

1,2-Dichloroethane-d4

Concen: 59.025 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY015968.D

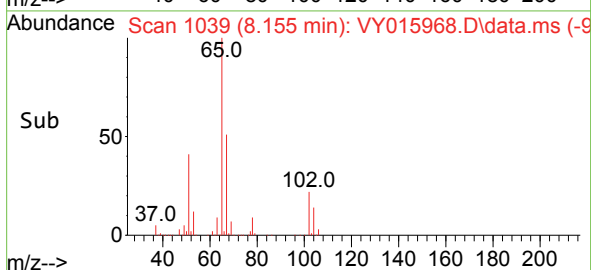
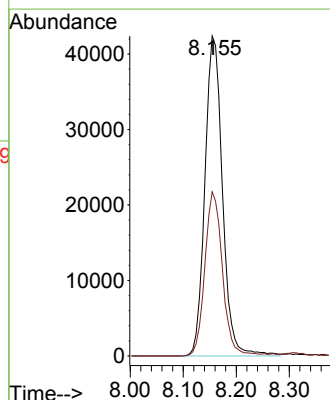
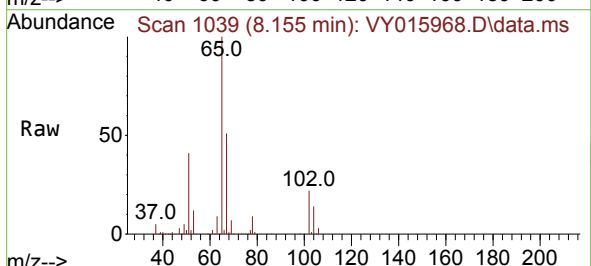
Acq: 13 Oct 2023 19:23

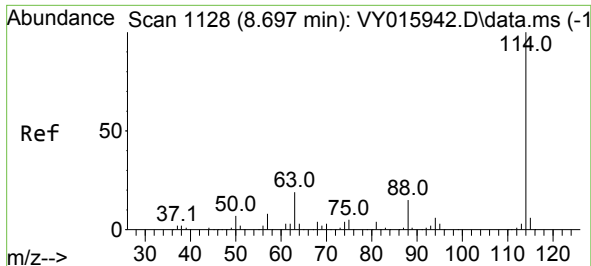
Tgt Ion: 65 Resp: 97703

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8

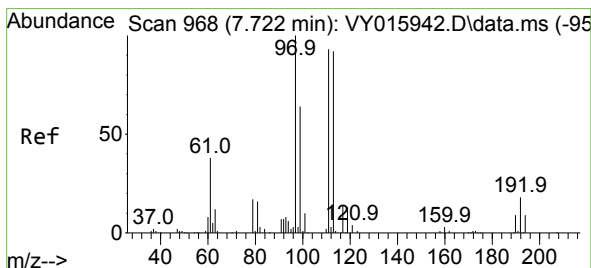
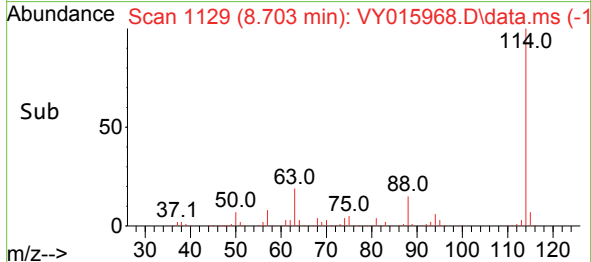
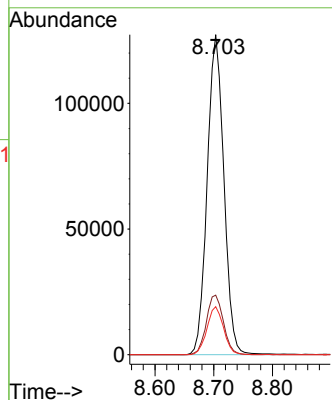
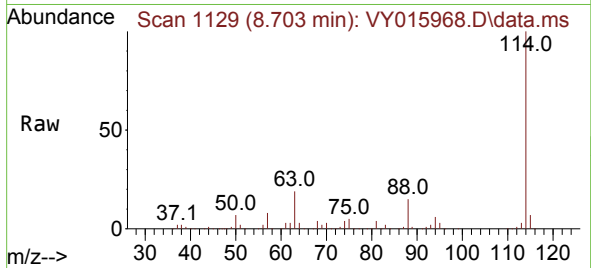




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

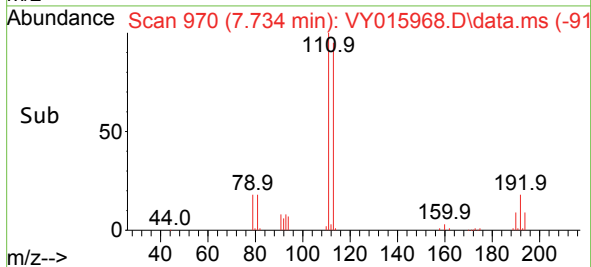
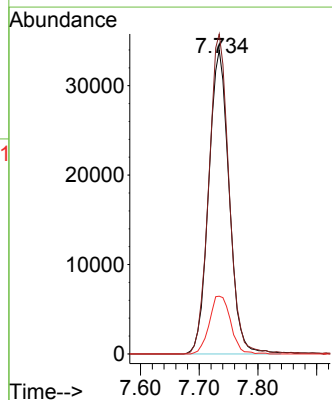
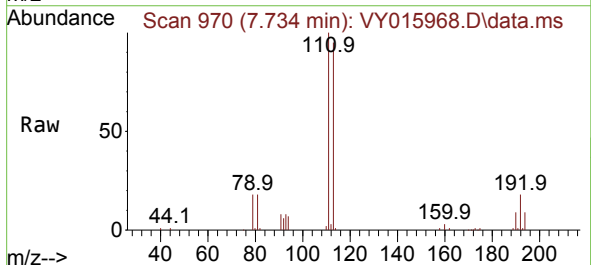
Instrument :
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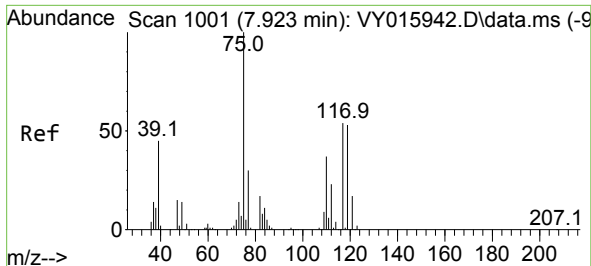
Tgt Ion:114 Resp: 250930
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.946 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.012 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

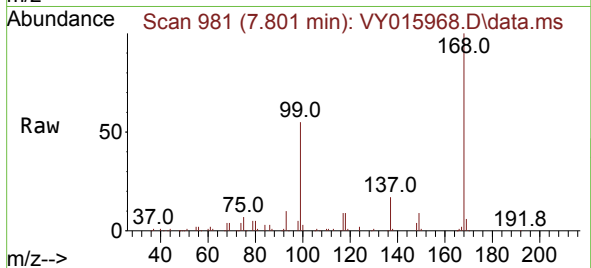
Tgt Ion:113 Resp: 82061
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 19.9 16.9 25.3



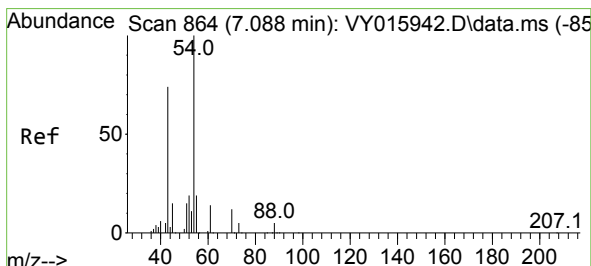
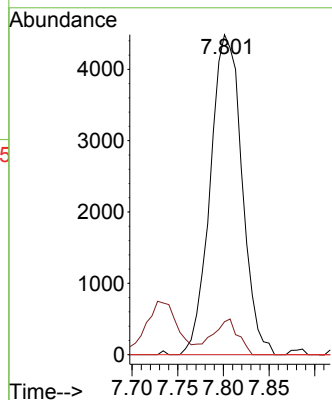
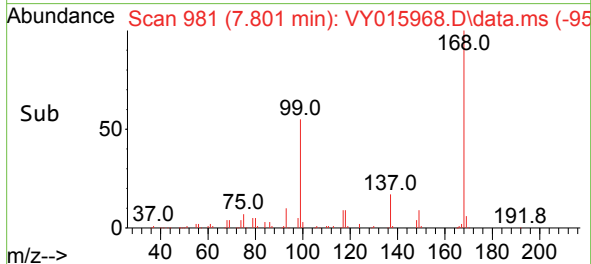


#36
1,1-Dichloropropene
Concen: 4.536 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

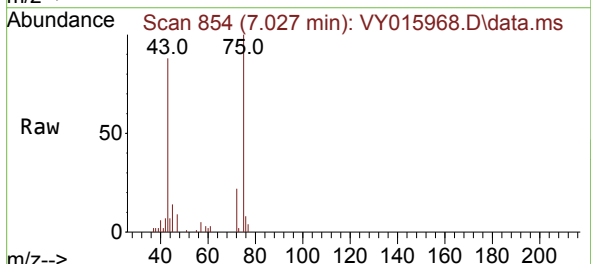
Instrument :
MSVOA_Y
ClientSampleId :



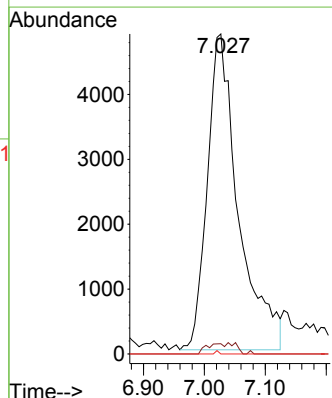
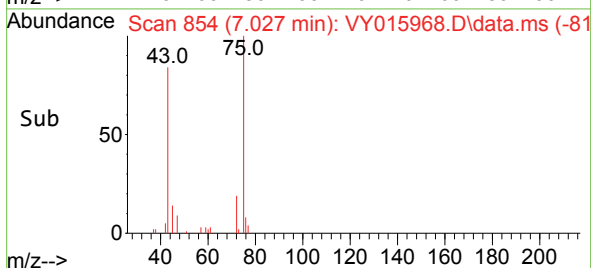
Tgt Ion: 75 Resp: 10811
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#

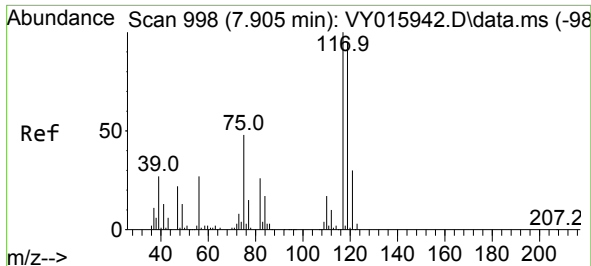


#37
Ethyl Acetate
Concen: 4.712 ug/l
RT: 7.027 min Scan# 854
Delta R.T. -0.061 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23



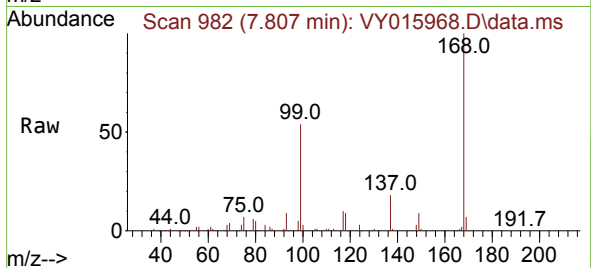
Tgt Ion: 43 Resp: 17331
Ion Ratio Lower Upper
43 100
61 1.9 10.1 15.1#
70 0.1 7.1 10.7#



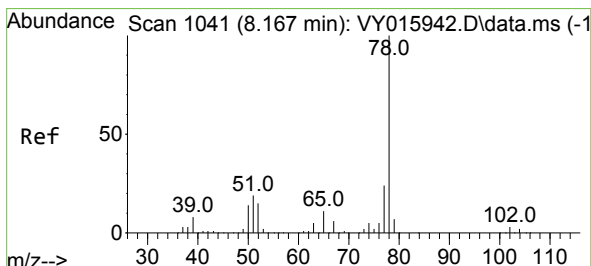
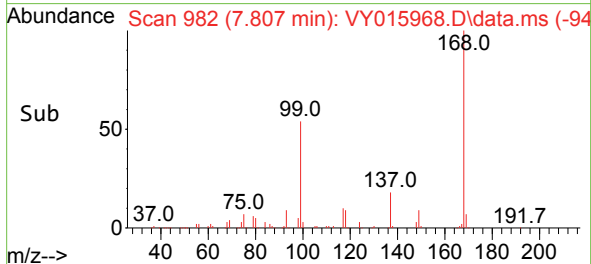
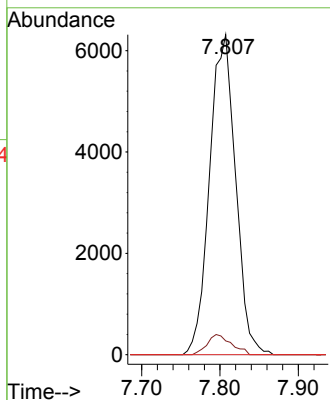


#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

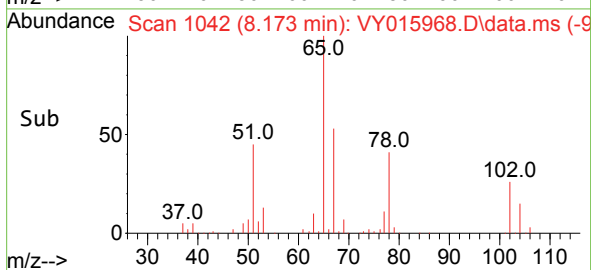
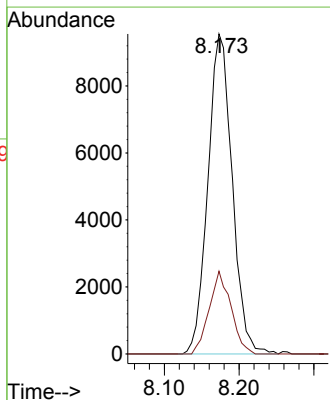
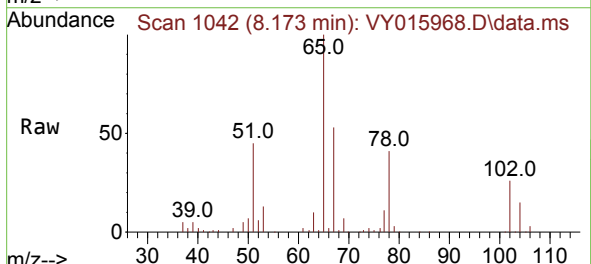


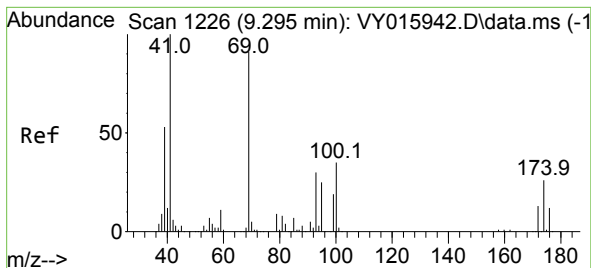
Tgt Ion:117 Resp: 14580
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 3.130 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 78 Resp: 21588
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6





#48

Methyl methacrylate

Concen: 2.153 ug/l

RT: 9.270 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

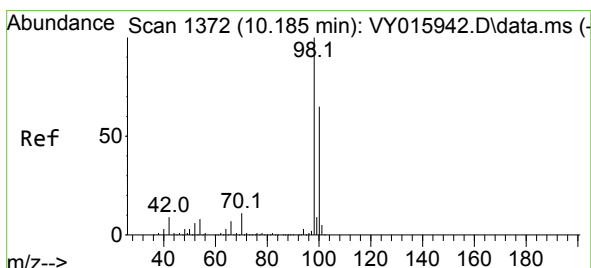
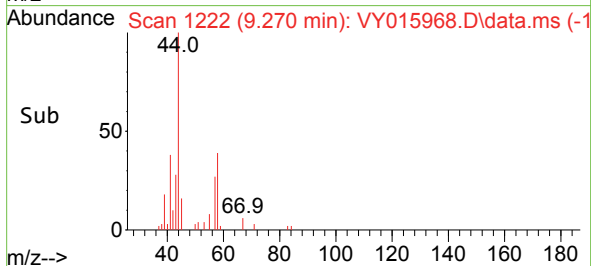
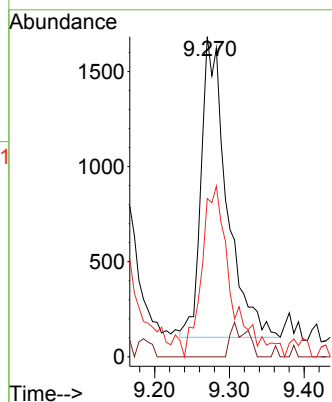
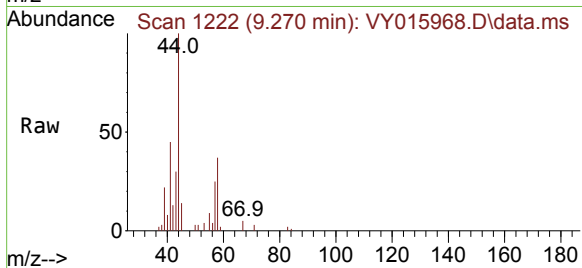
Tgt Ion: 41 Resp: 3758

Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 64.7 50.8 76.2



#50

Toluene-d8

Concen: 51.129 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY015968.D

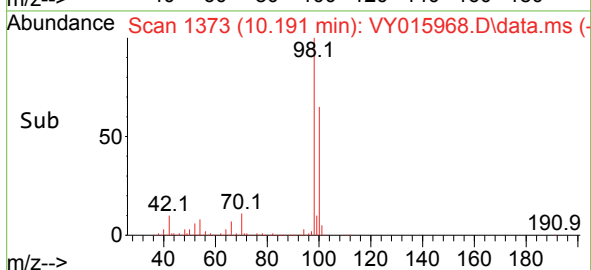
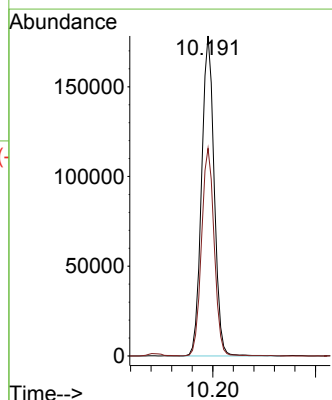
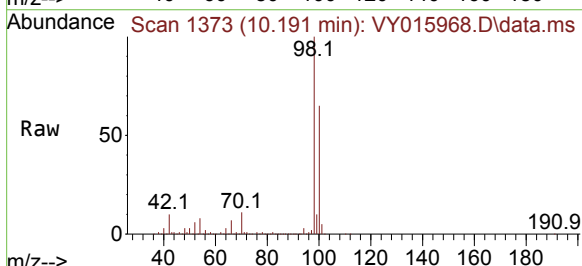
Acq: 13 Oct 2023 19:23

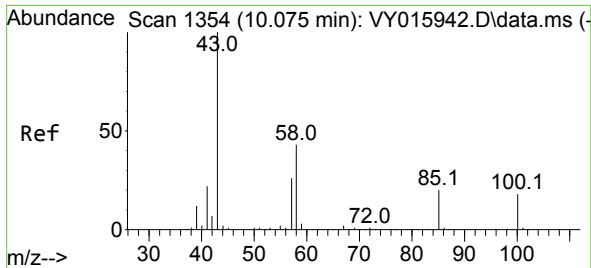
Tgt Ion: 98 Resp: 302478

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

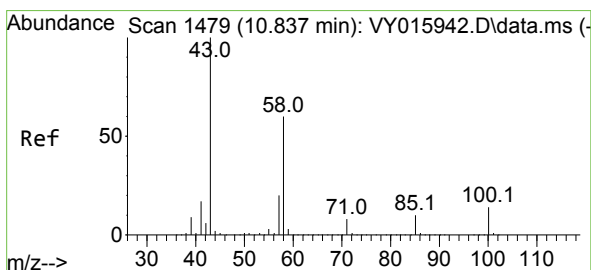
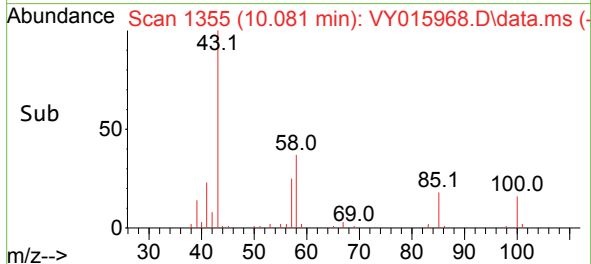
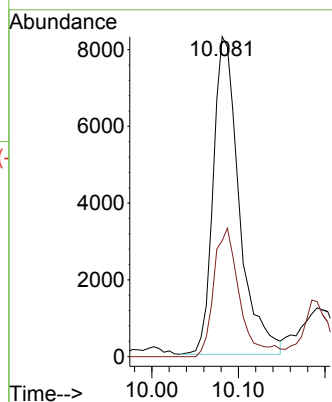
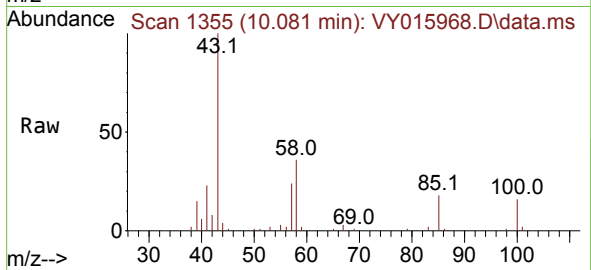




#51
4-Methyl-2-Pentanone
Concen: 5.931 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

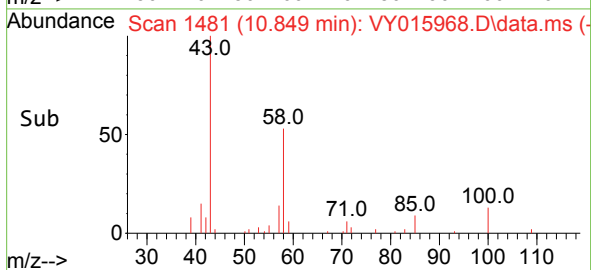
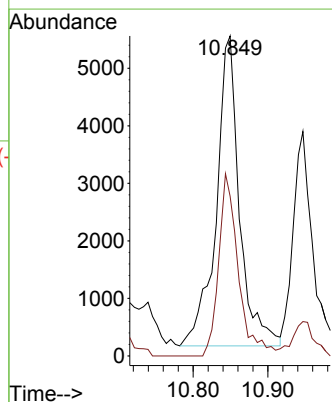
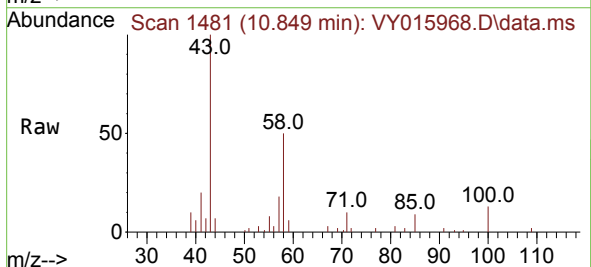
Instrument :
MSVOA_Y
ClientSampleId :

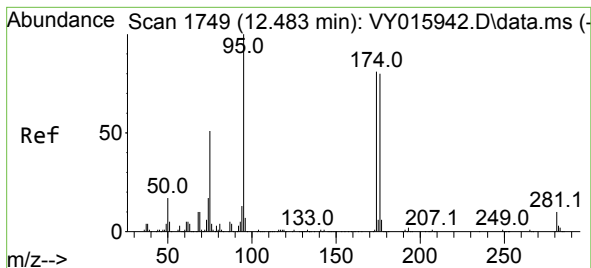
Tgt Ion: 43 Resp: 17270
Ion Ratio Lower Upper
43 100
58 40.6 29.0 43.6



#59
2-Hexanone
Concen: 4.689 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.012 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 43 Resp: 11655
Ion Ratio Lower Upper
43 100
58 49.4 25.1 75.3

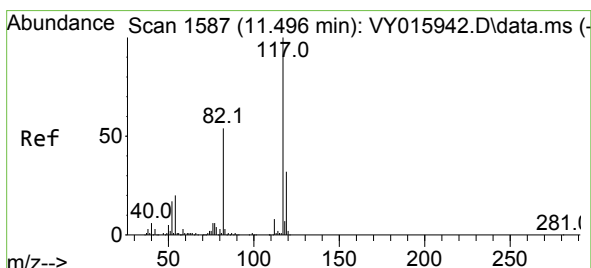
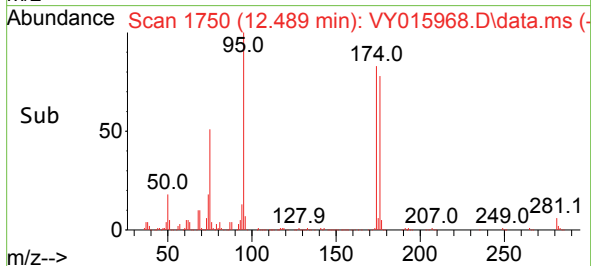
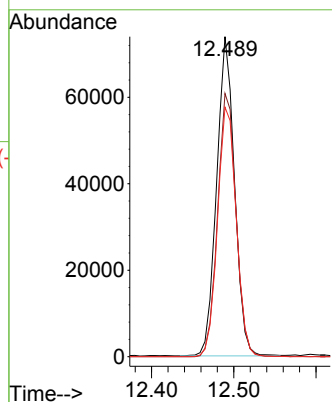
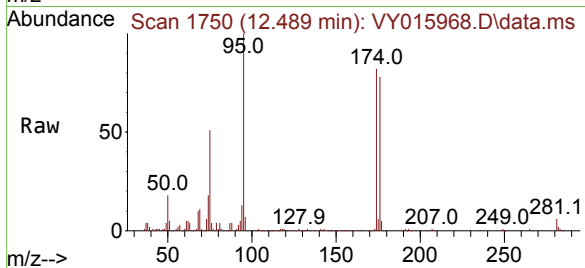




#62
4-Bromofluorobenzene
Concen: 53.002 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

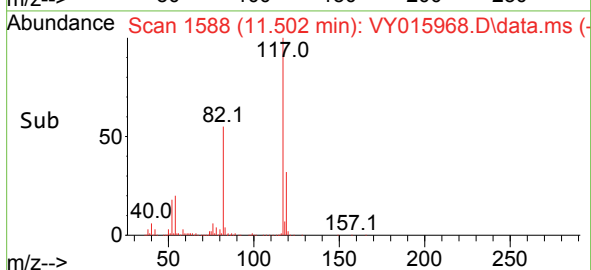
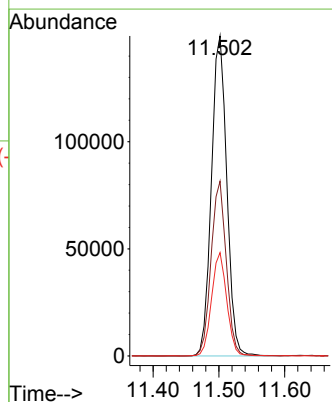
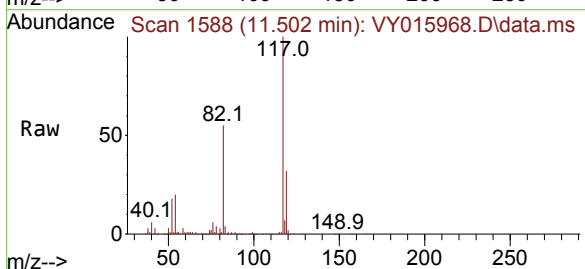
Instrument :
MSVOA_Y
ClientSampleId :

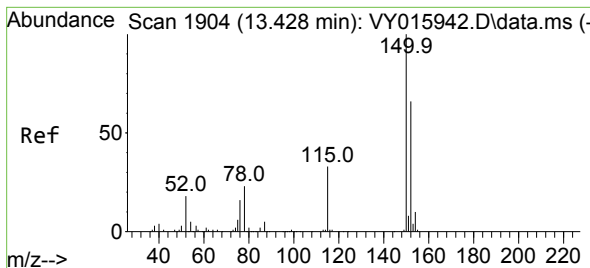
Tgt Ion: 95 Resp: 111653
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 81.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 117 Resp: 243608
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Instrument :

MSVOA_Y

ClientSampleId :

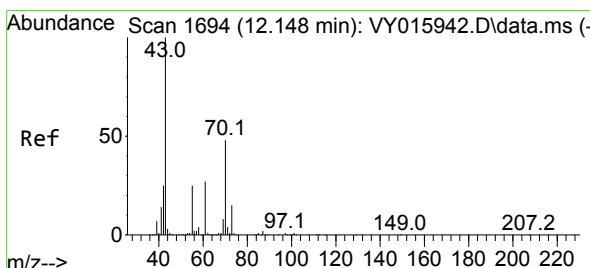
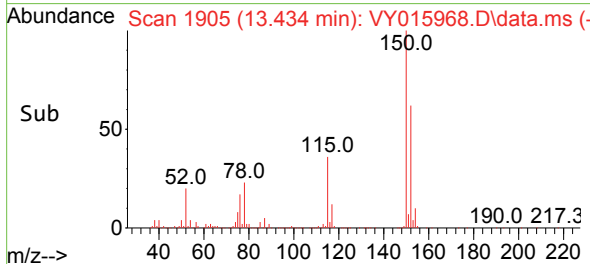
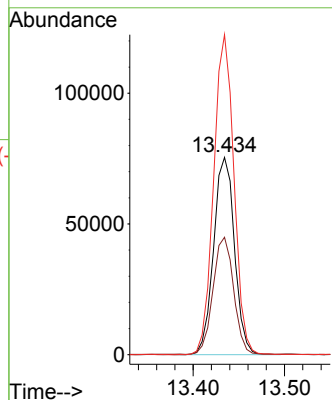
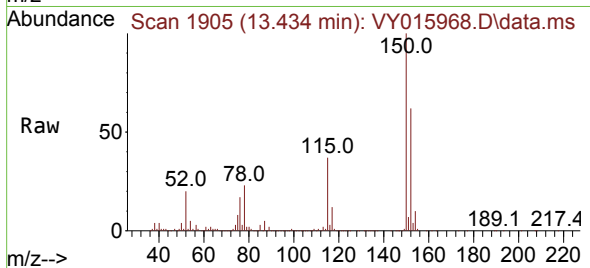
Tgt Ion:152 Resp: 119797

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.7 0.0 348.8



#74

N-ethyl acetate

Concen: 5.205 ug/l

RT: 12.117 min Scan# 1689

Delta R.T. -0.030 min

Lab File: VY015968.D

Acq: 13 Oct 2023 19:23

Tgt Ion: 43 Resp: 17834

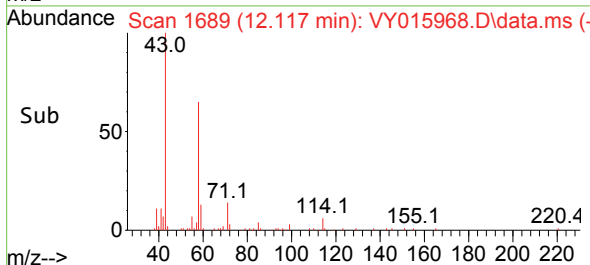
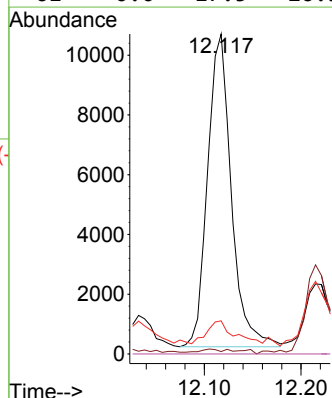
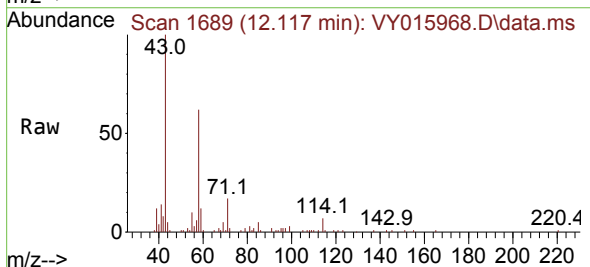
Ion Ratio Lower Upper

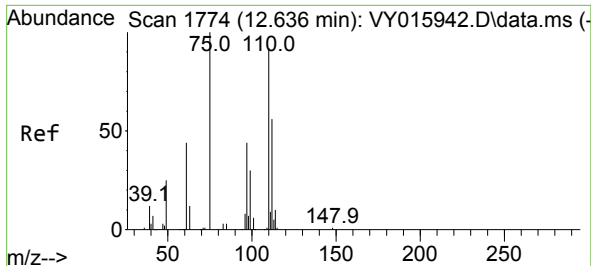
43 100

70 0.0 29.7 44.5#

55 7.9 18.3 27.5#

61 0.0 17.5 26.3#

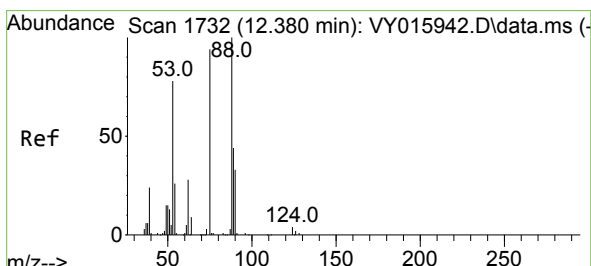
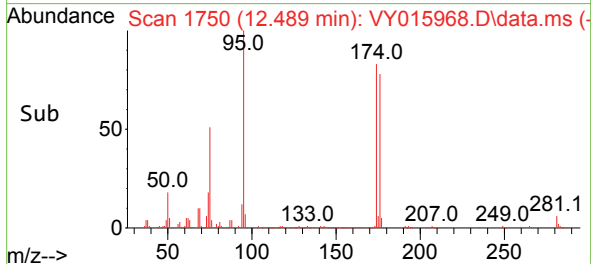
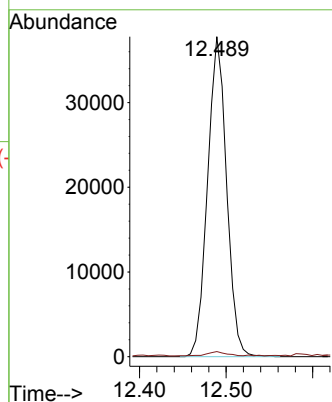
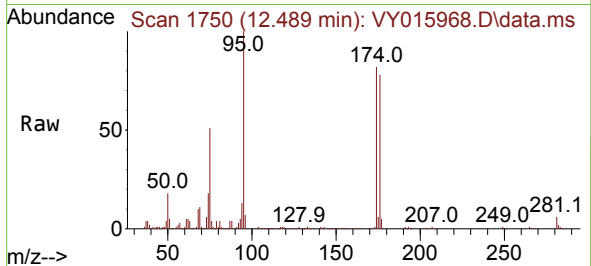




#76
1,2,3-Trichloropropane
Concen: 24.567 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57595
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.871 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015968.D
Acq: 13 Oct 2023 19:23

Tgt Ion: 75 Resp: 57595
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.2 37.4 56.0#

