

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015967.D
 Acq On : 13 Oct 2023 19:00
 Operator : SY/MD
 Sample : 04876-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:51:25 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)

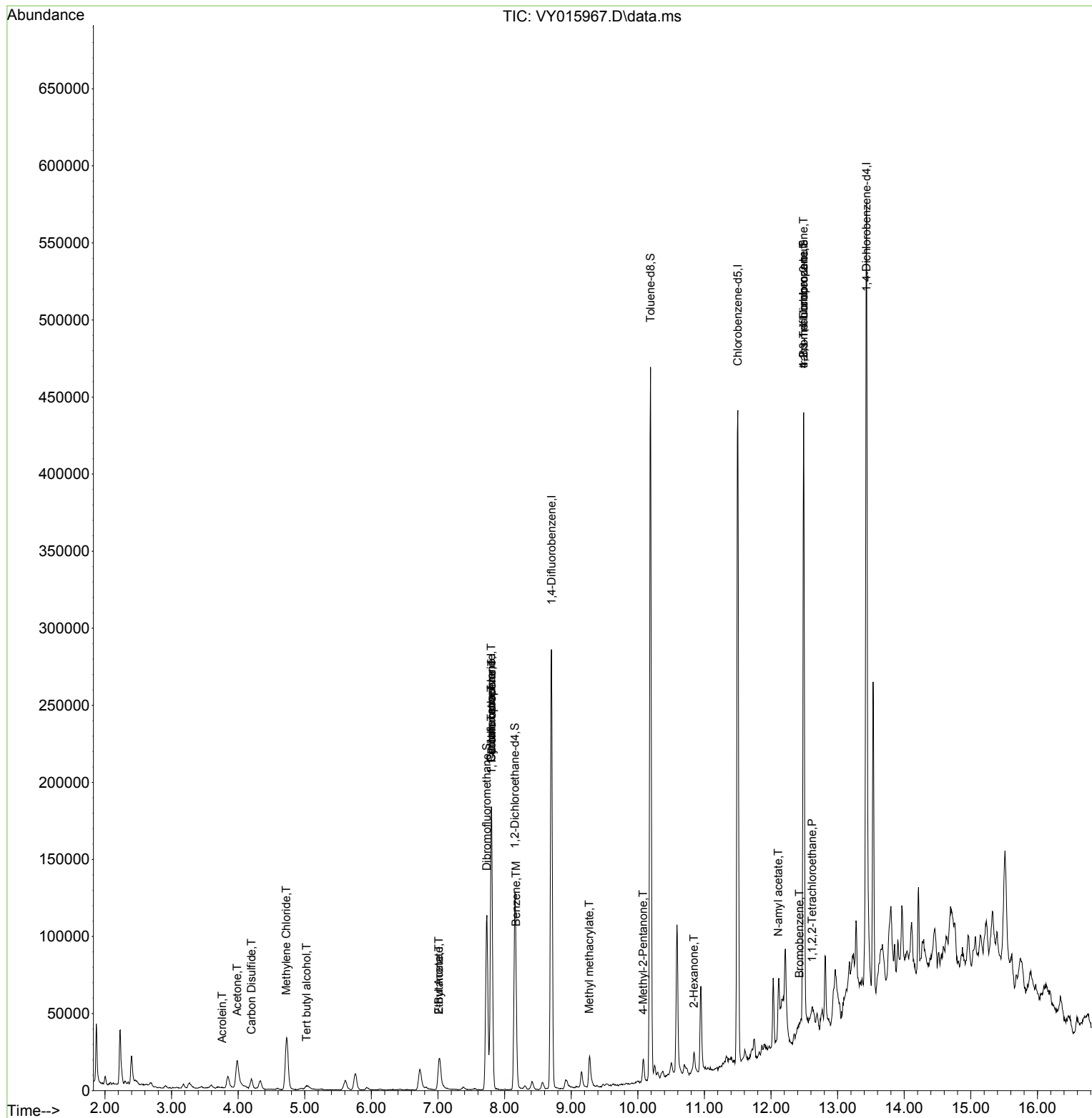
Internal Standards						
1) Pentafluorobenzene	7.801	168	142664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	245394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	244098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	122759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	94731	58.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.360%
35) Dibromofluoromethane	7.734	113	81283	52.614	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.220%
50) Toluene-d8	10.191	98	302228	52.239	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.489	95	114264	55.465	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	500	Below Cal	#	73
11) Tert butyl alcohol	5.027	59	2667	2.823	ug/l #	79
13) Acrolein	3.759	56	587	1.909	ug/l #	14
16) Acetone	3.985	43	40113	42.412	ug/l #	89
17) Carbon Disulfide	4.198	76	12583	2.967	ug/l	97
20) Methylene Chloride	4.722	84	26693	11.592	ug/l #	89
25) 2-Butanone	7.014	43	14159	10.286	ug/l	99
31) Cyclohexane	7.801	56	3391	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	10916	4.683	ug/l #	51
37) Ethyl Acetate	7.014	43	14159	3.937	ug/l #	78
38) Carbon Tetrachloride	7.801	117	14245	5.803	ug/l #	16
40) Benzene	8.173	78	16966	2.516	ug/l	97
48) Methyl methacrylate	9.270	41	5921	3.469	ug/l #	46
51) 4-Methyl-2-Pentanone	10.081	43	10827	3.802	ug/l	91
59) 2-Hexanone	10.843	43	10363	4.263	ug/l	98
74) N-amyl acetate	12.111	43	21313	6.071	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.617	83	3648	1.367	ug/l #	28
76) 1,2,3-Trichloropropane	12.489	75	58910	24.521	ug/l #	100
77) Bromobenzene	12.428	156	8145	3.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	58910	57.764	ug/l #	11

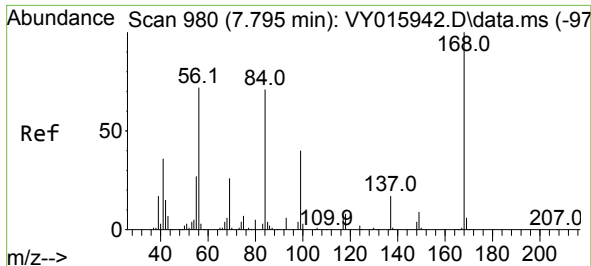
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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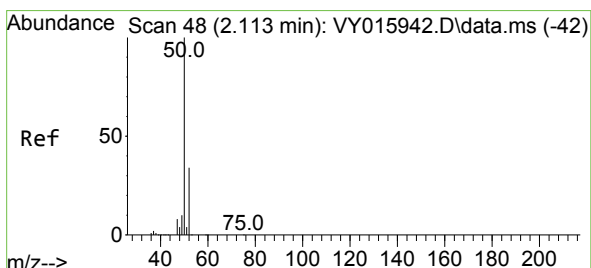
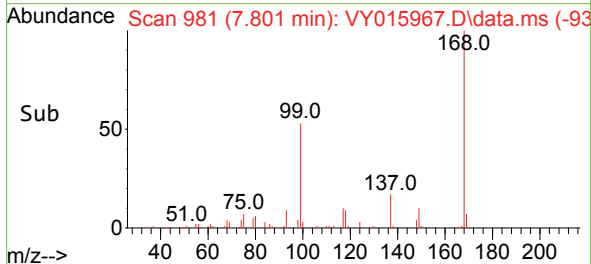
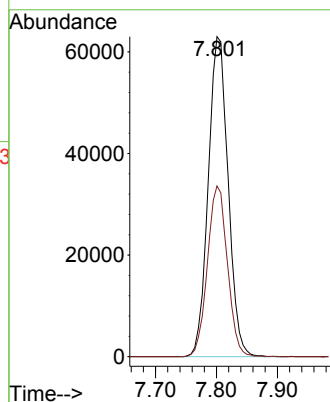
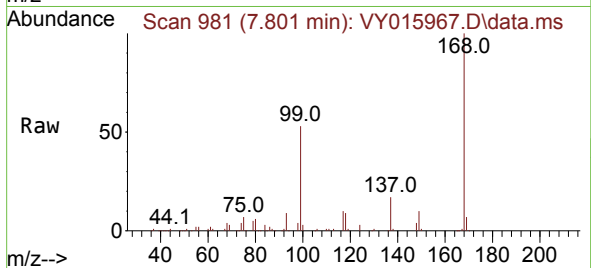




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

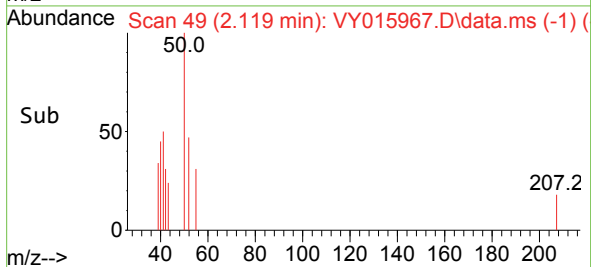
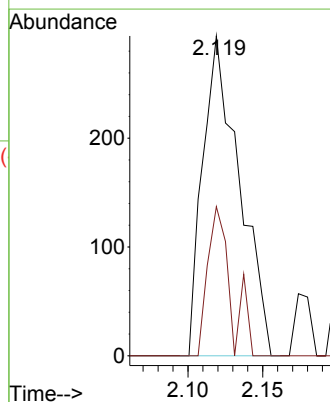
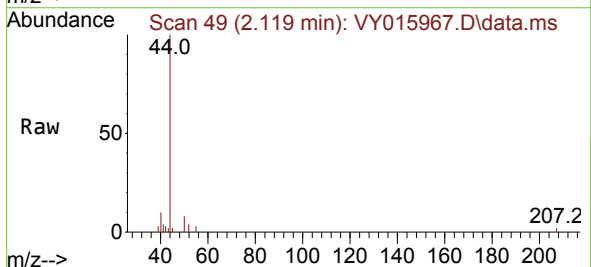
Instrument :
MSVOA_Y
ClientSampleId :

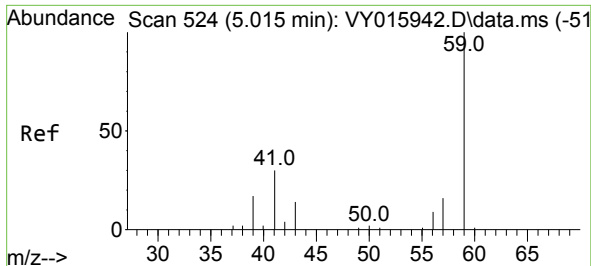
Tgt Ion:168 Resp: 142664
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

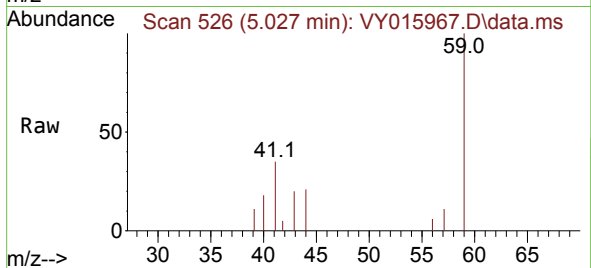
Tgt Ion: 50 Resp: 500
Ion Ratio Lower Upper
50 100
52 46.6 25.4 38.2#



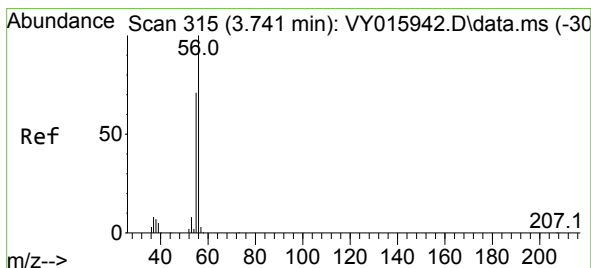
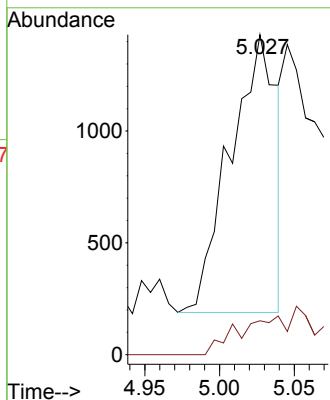
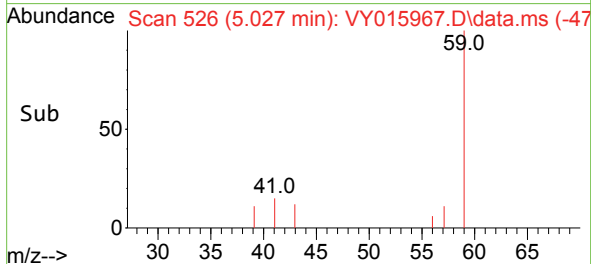


#11
Tert butyl alcohol
Concen: 2.823 ug/l
RT: 5.027 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

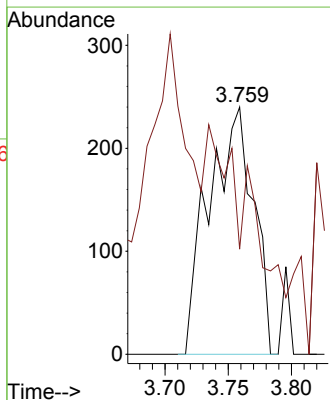
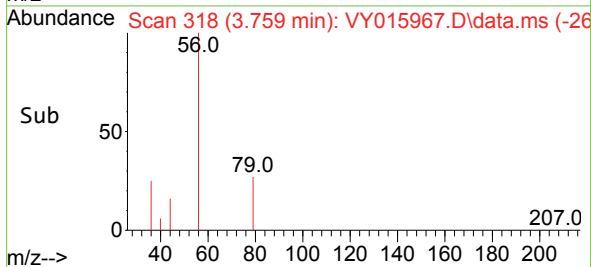
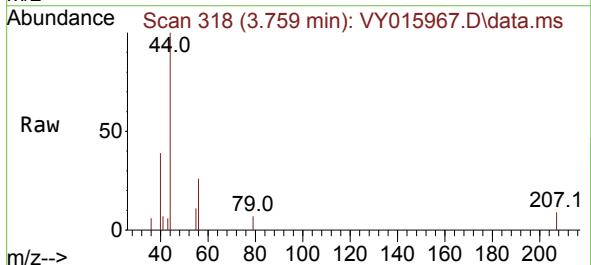


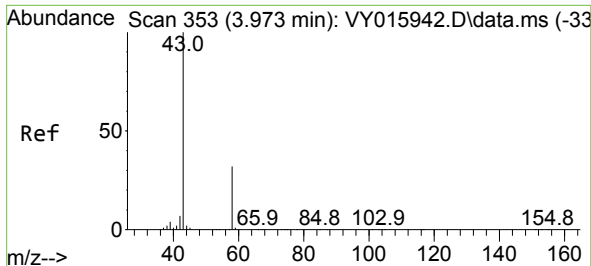
Tgt Ion: 59 Resp: 2667
Ion Ratio Lower Upper
59 100
57 10.5 3.0 4.4#



#13
Acrolein
Concen: 1.909 ug/l
RT: 3.759 min Scan# 318
Delta R.T. 0.018 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Tgt Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 42.412 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Instrument :

MSVOA_Y

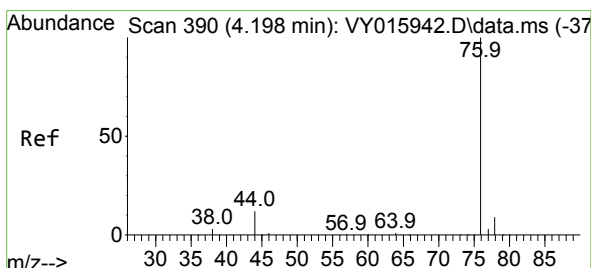
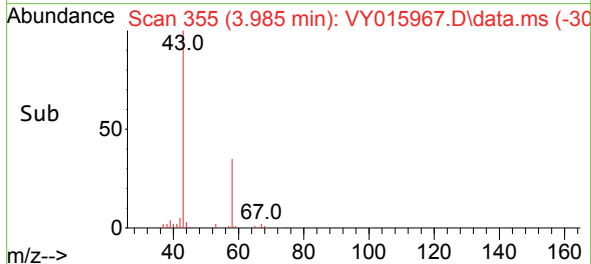
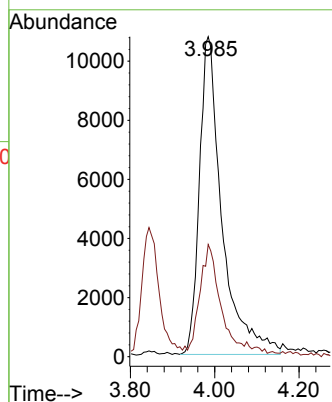
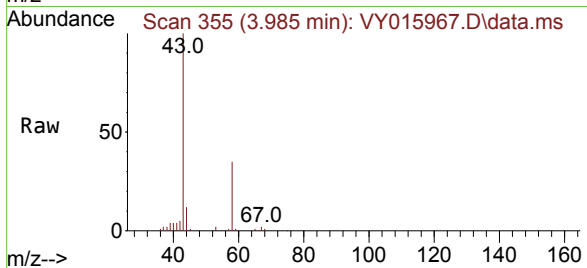
ClientSampleId :

Tgt Ion: 43 Resp: 40113

Ion Ratio Lower Upper

43 100

58 34.2 22.7 34.1#



#17

Carbon Disulfide

Concen: 2.967 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY015967.D

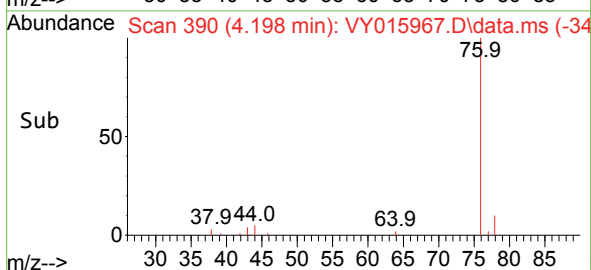
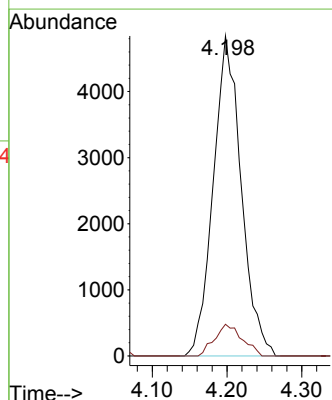
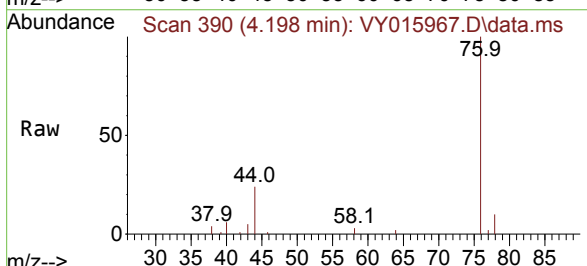
Acq: 13 Oct 2023 19:00

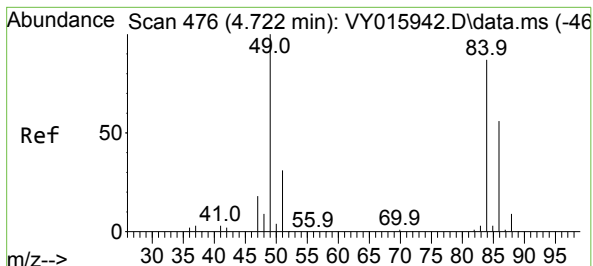
Tgt Ion: 76 Resp: 12583

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4





#20

Methylene Chloride

Concen: 11.592 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.000 min

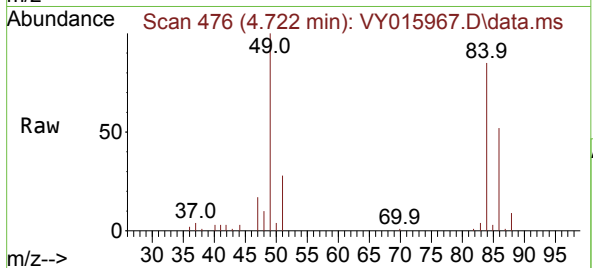
Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 26693

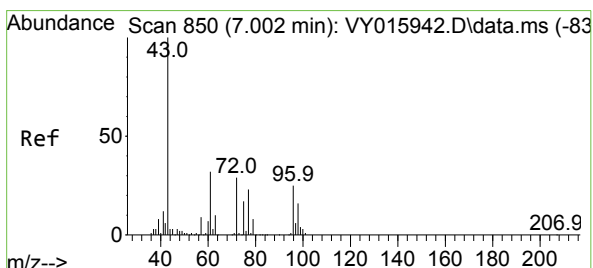
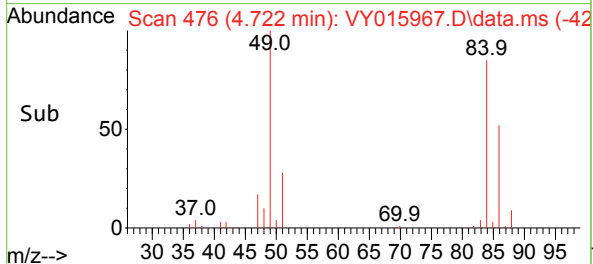
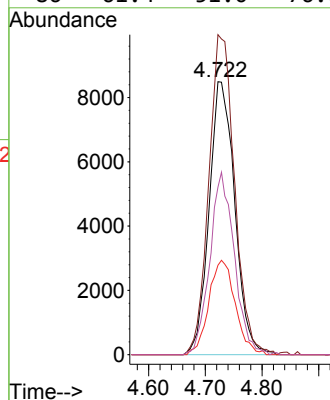
Ion Ratio Lower Upper

84 100

49 117.3 106.9 160.3

51 32.8 33.2 49.8#

86 61.4 51.0 76.6



#25

2-Butanone

Concen: 10.286 ug/l

RT: 7.014 min Scan# 852

Delta R.T. 0.012 min

Lab File: VY015967.D

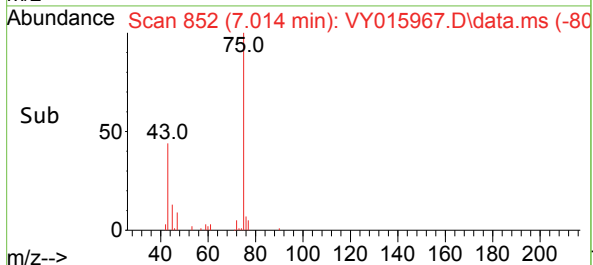
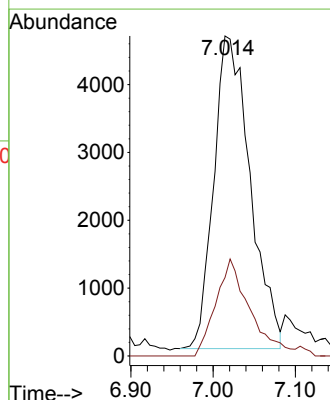
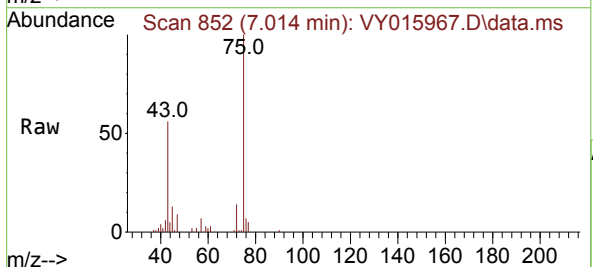
Acq: 13 Oct 2023 19:00

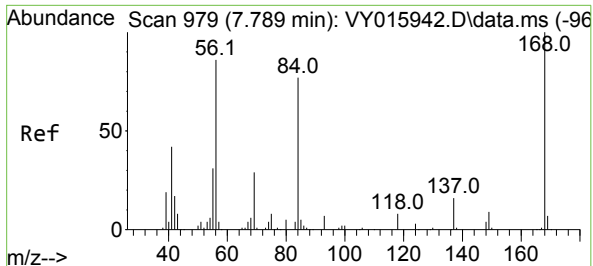
Tgt Ion: 43 Resp: 14159

Ion Ratio Lower Upper

43 100

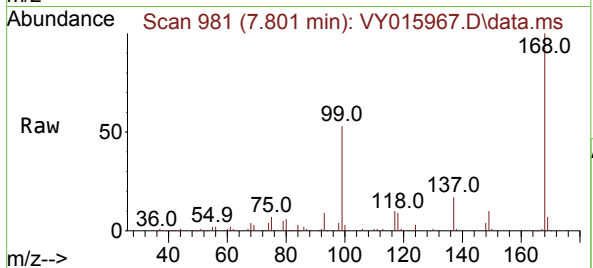
72 25.1 20.5 30.7



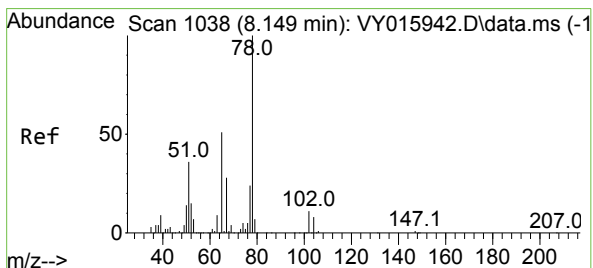
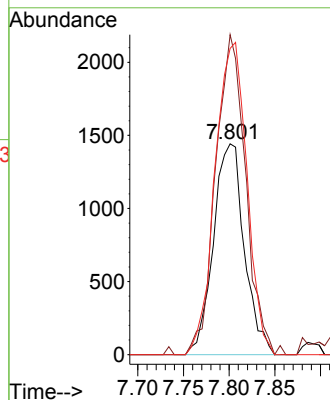
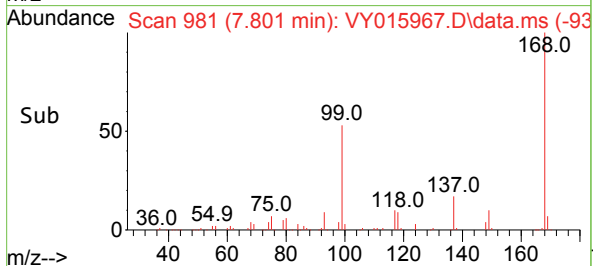


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

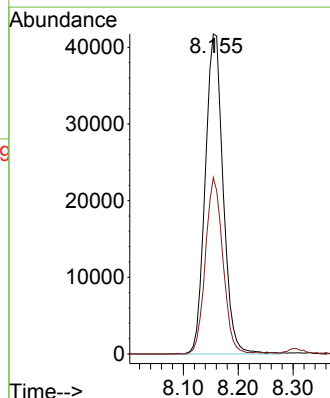
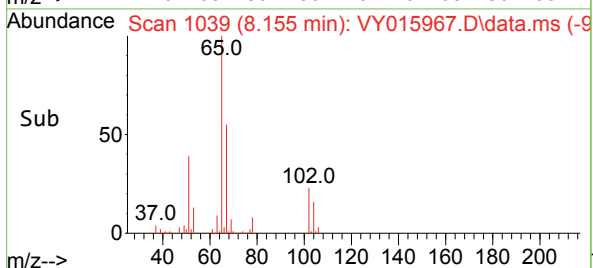
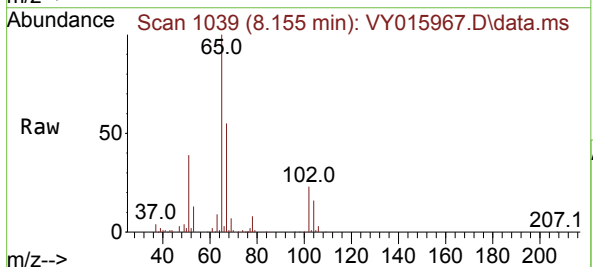


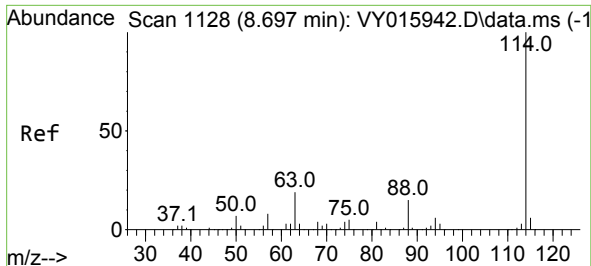
Tgt Ion: 56 Resp: 3391
Ion Ratio Lower Upper
56 100
69 151.7 27.8 41.6#
84 156.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.182 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Tgt Ion: 65 Resp: 94731
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.8

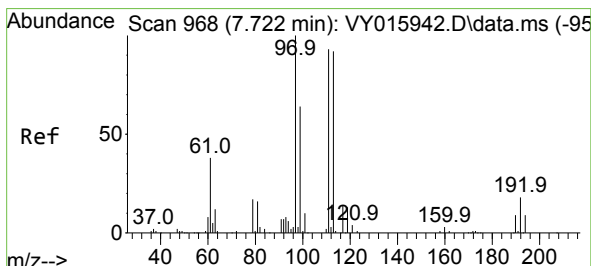
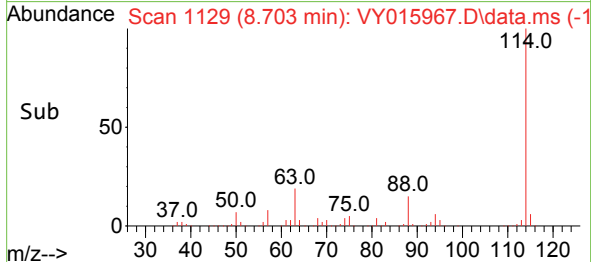
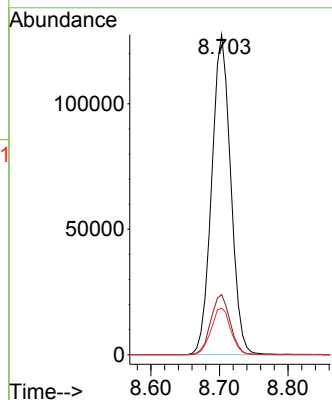
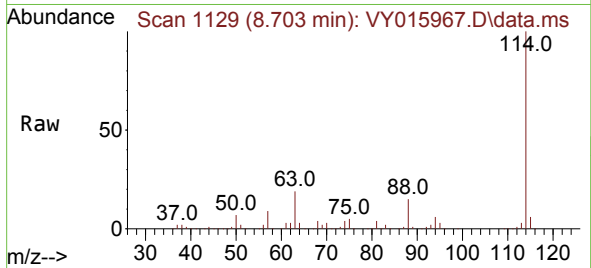




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

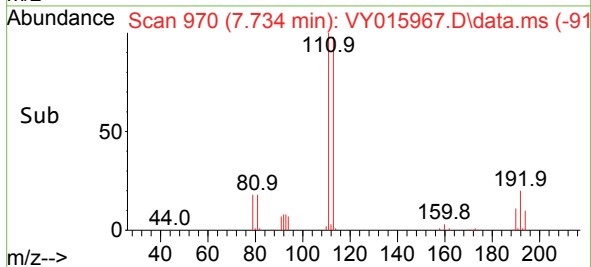
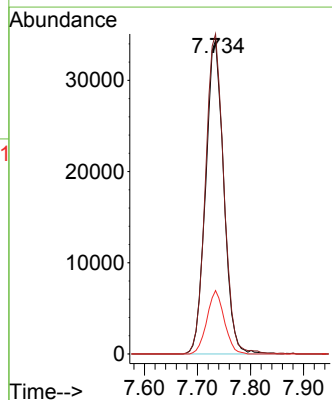
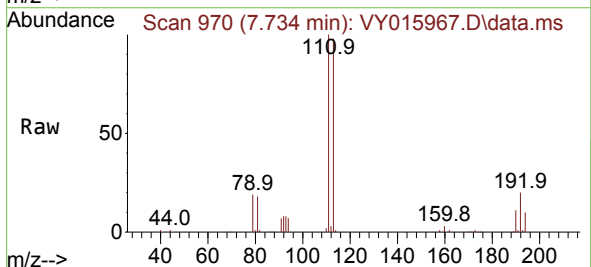
Instrument :
MSVOA_Y
ClientSampleId :

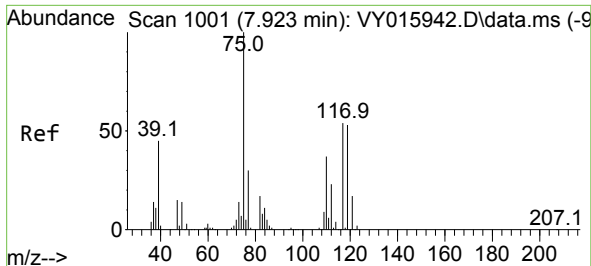
Tgt Ion:114 Resp: 245394
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.614 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.012 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

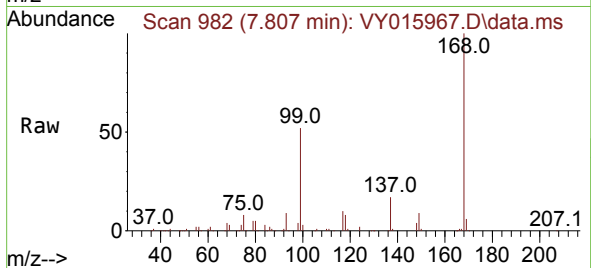
Tgt Ion:113 Resp: 81283
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.4 16.9 25.3



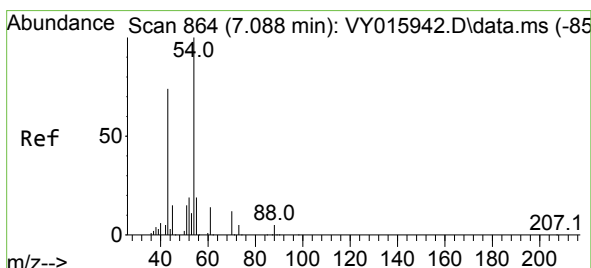
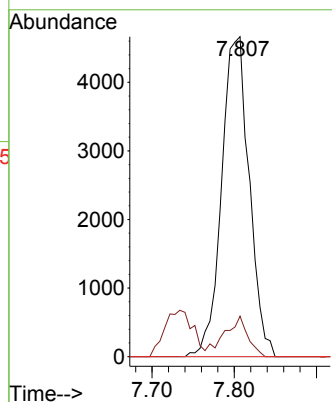
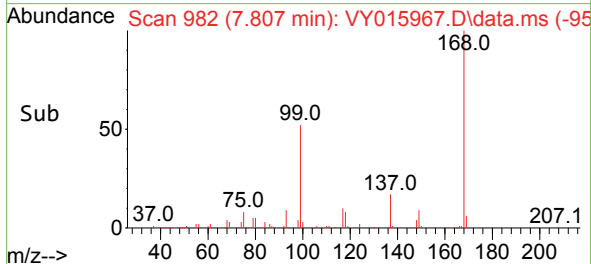


#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

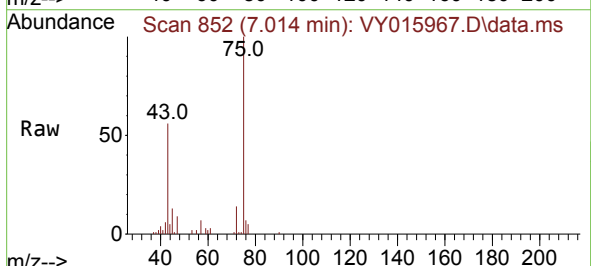
Instrument :
MSVOA_Y
ClientSampleId :



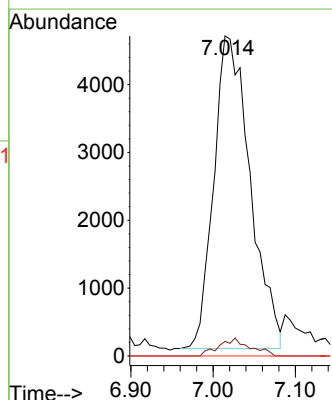
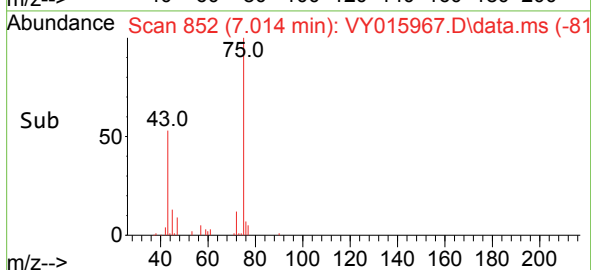
Tgt Ion: 75 Resp: 10916
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

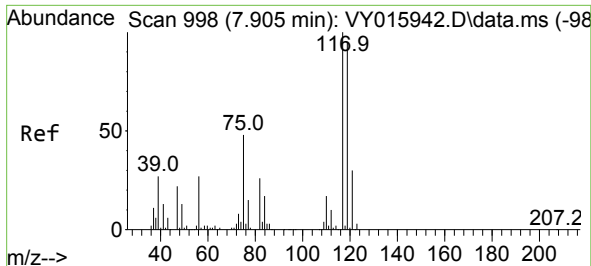


#37
Ethyl Acetate
Concen: 3.937 ug/l
RT: 7.014 min Scan# 852
Delta R.T. -0.074 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00



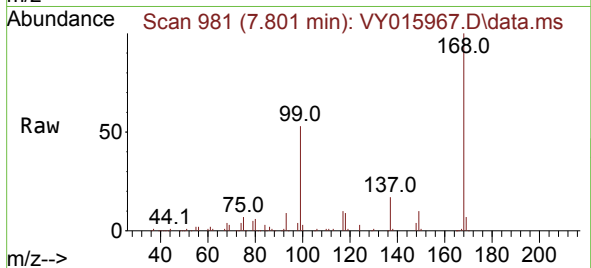
Tgt Ion: 43 Resp: 14159
Ion Ratio Lower Upper
43 100
61 4.9 10.1 15.1#
70 0.0 7.1 10.7#



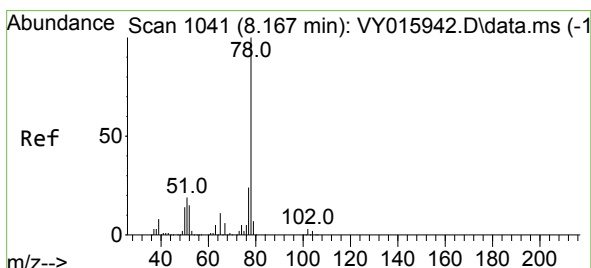
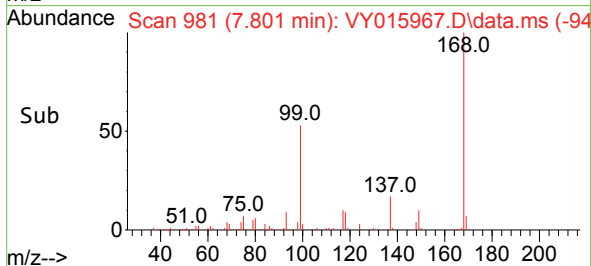
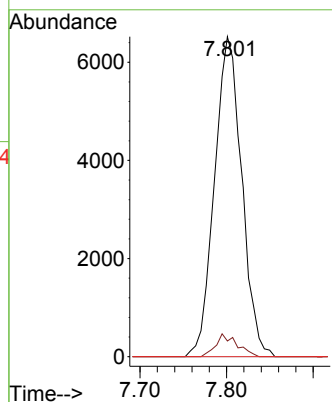


#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

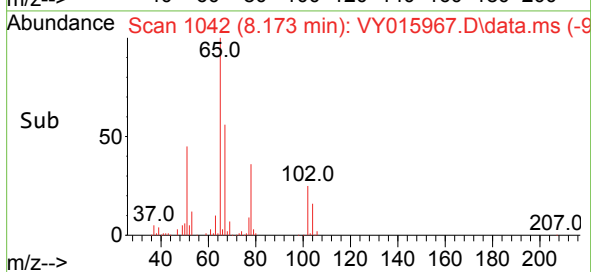
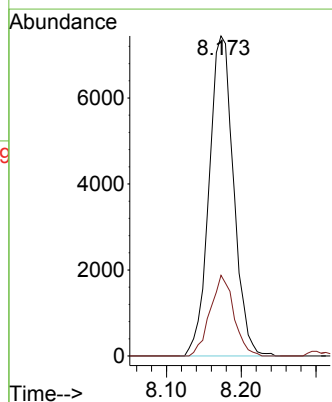
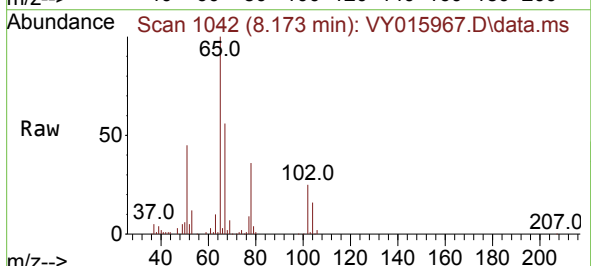


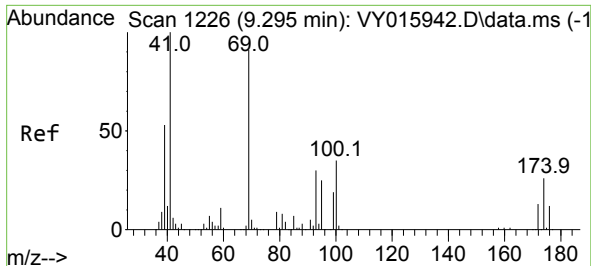
Tgt Ion:117 Resp: 14245
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 2.516 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Tgt Ion: 78 Resp: 16966
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

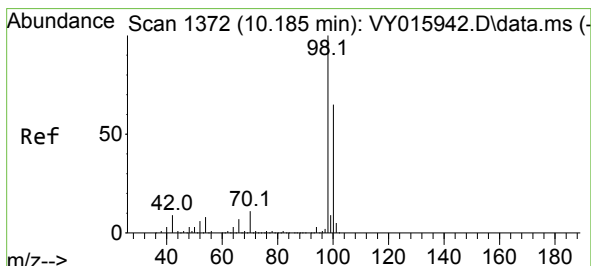
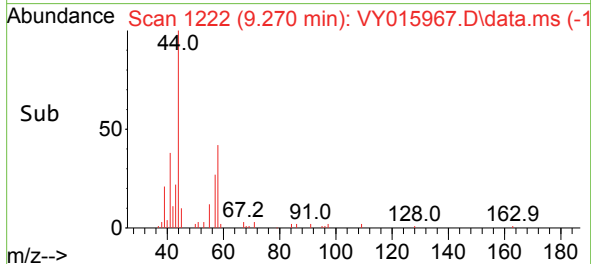
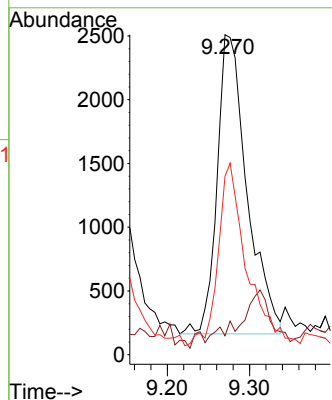
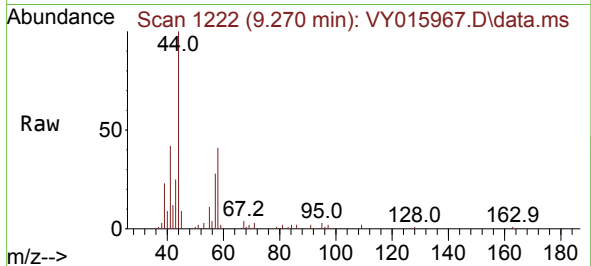




#48
Methyl methacrylate
Concen: 3.469 ug/l
RT: 9.270 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

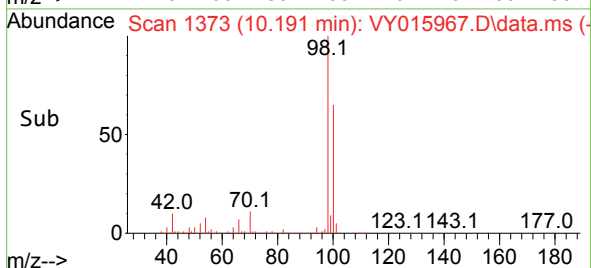
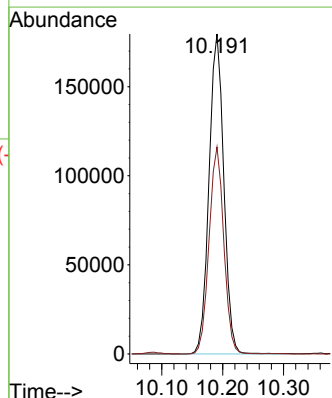
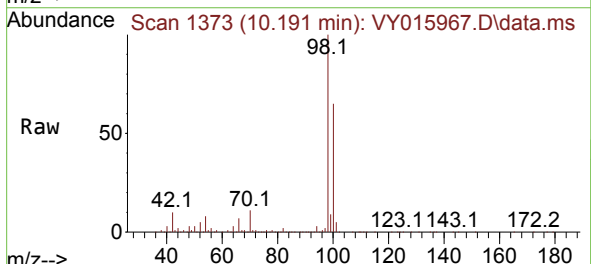
Instrument :
MSVOA_Y
ClientSampleId :

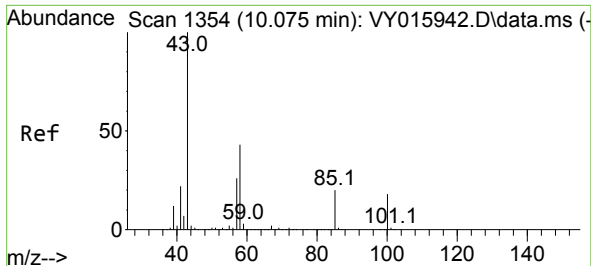
Tgt Ion: 41 Resp: 5921
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 58.3 50.8 76.2



#50
Toluene-d8
Concen: 52.239 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

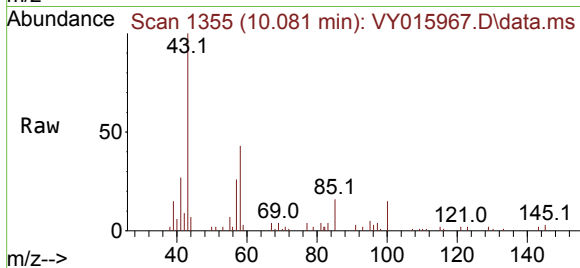
Tgt Ion: 98 Resp: 302228
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



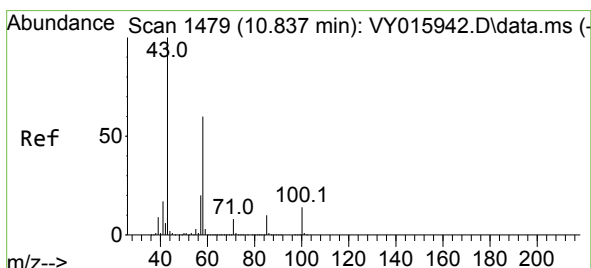
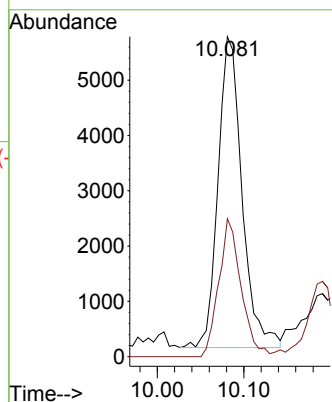
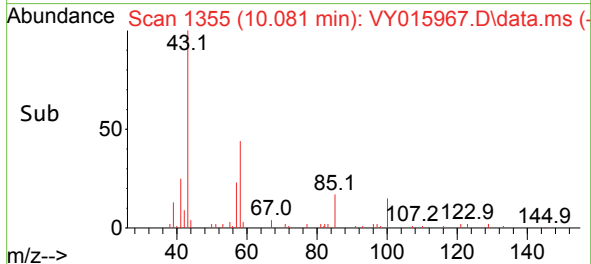


#51
4-Methyl-2-Pentanone
Concen: 3.802 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :

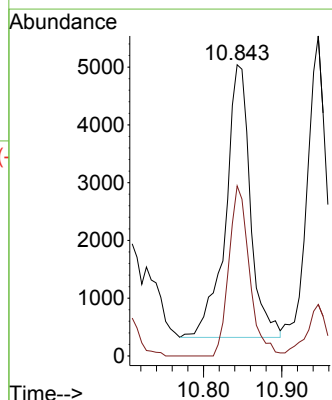
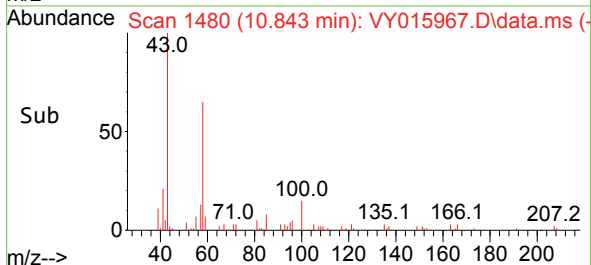
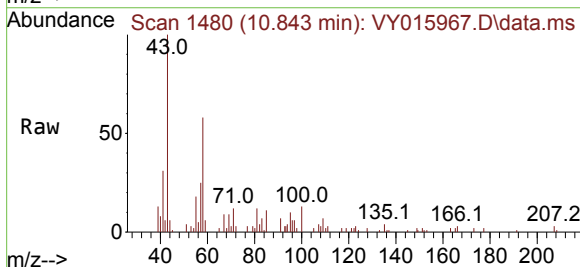


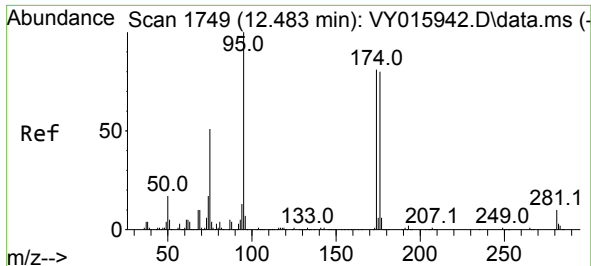
Tgt Ion: 43 Resp: 10827
Ion Ratio Lower Upper
43 100
58 41.4 29.0 43.6



#59
2-Hexanone
Concen: 4.263 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Tgt Ion: 43 Resp: 10363
Ion Ratio Lower Upper
43 100
58 51.9 25.1 75.3

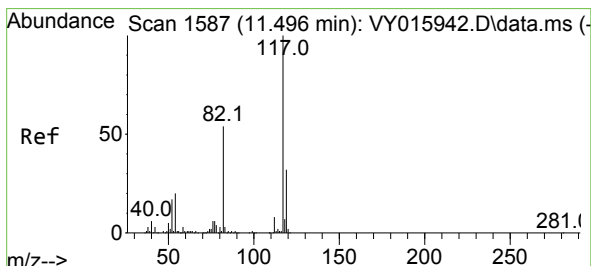
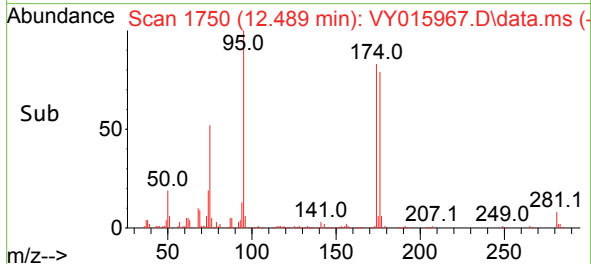
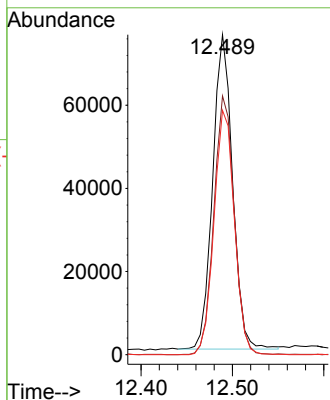
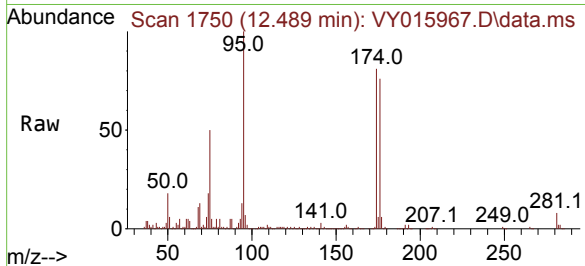




#62
4-Bromofluorobenzene
Concen: 55.465 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

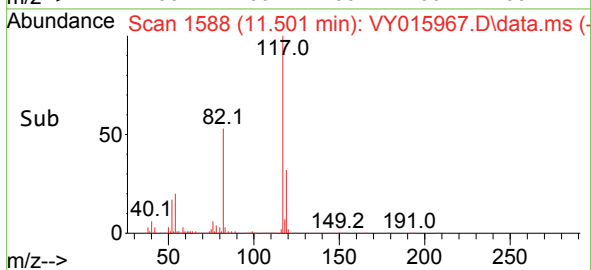
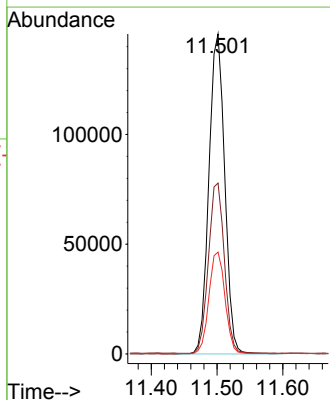
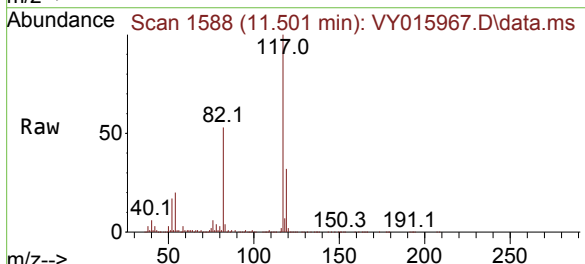
Instrument :
MSVOA_Y
ClientSampleId :

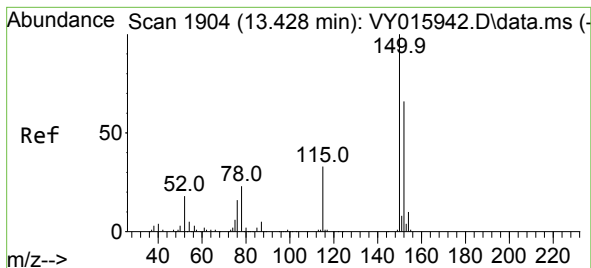
Tgt Ion: 95 Resp: 114264
Ion Ratio Lower Upper
95 100
174 84.2 0.0 178.2
176 80.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY015967.D
Acq: 13 Oct 2023 19:00

Tgt Ion: 117 Resp: 244098
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 31.7 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

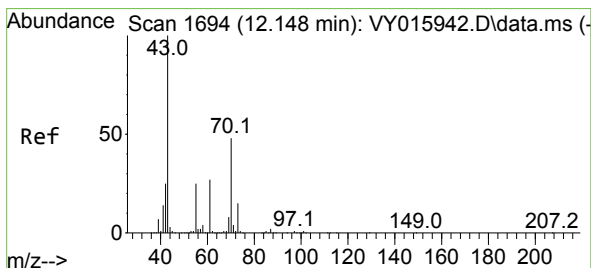
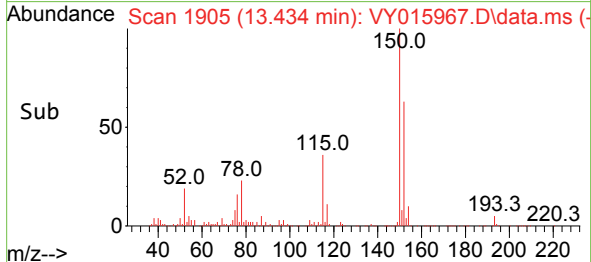
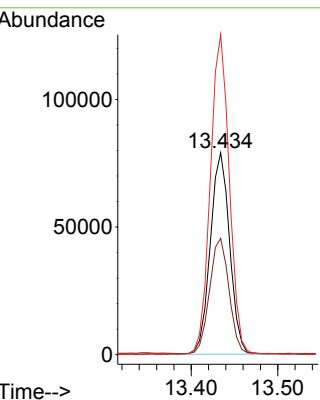
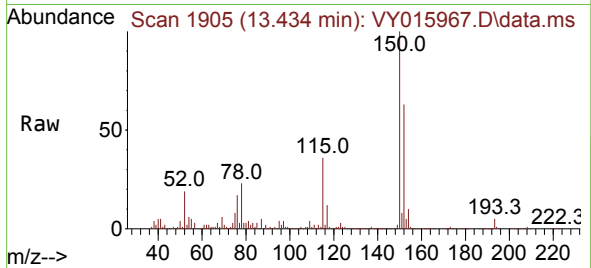
Tgt Ion:152 Resp: 122759

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 154.6 0.0 348.8



#74

N-ethyl acetate

Concen: 6.071 ug/l

RT: 12.111 min Scan# 1688

Delta R.T. -0.037 min

Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Tgt Ion: 43 Resp: 21313

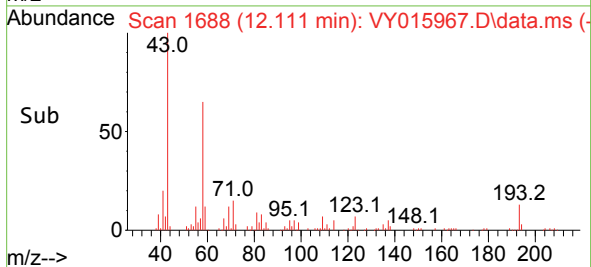
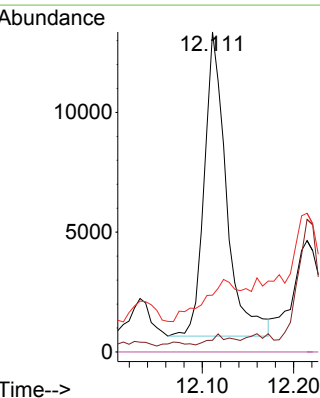
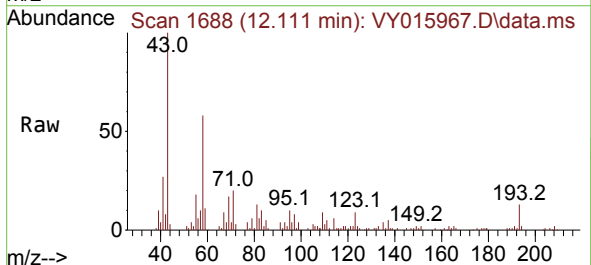
Ion Ratio Lower Upper

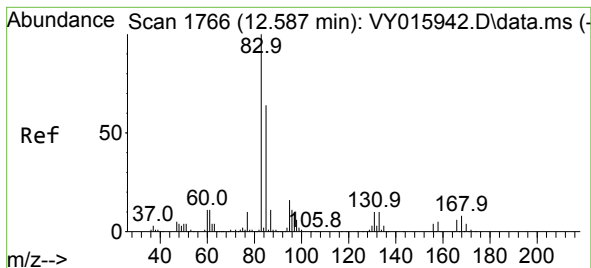
43 100

70 3.9 29.7 44.5#

55 21.1 18.3 27.5

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.367 ug/l

RT: 12.617 min Scan# 1

Delta R.T. 0.030 min

Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

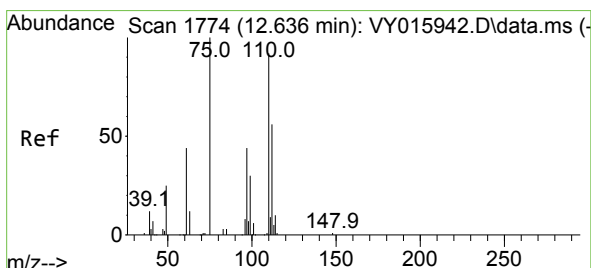
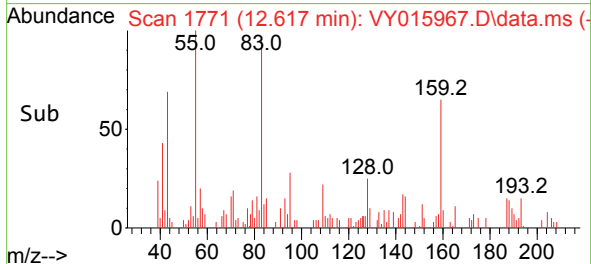
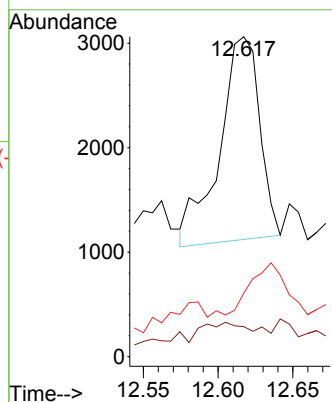
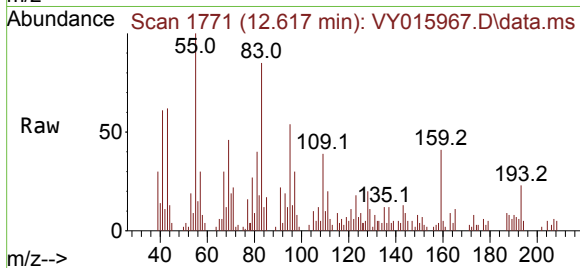
Tgt Ion: 83 Resp: 3648

Ion Ratio Lower Upper

83 100

131 17.8 5.4 16.2#

85 0.0 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 24.521 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY015967.D

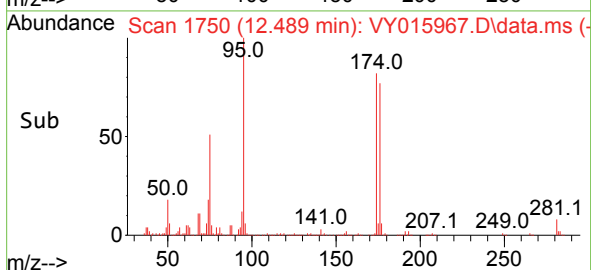
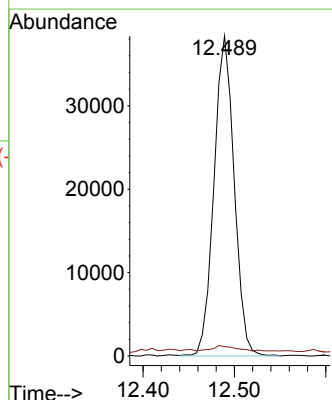
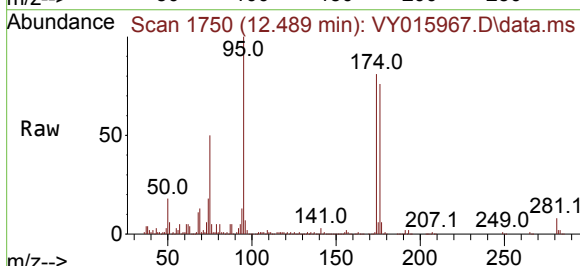
Acq: 13 Oct 2023 19:00

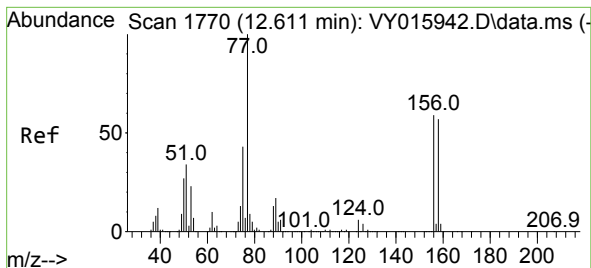
Tgt Ion: 75 Resp: 58910

Ion Ratio Lower Upper

75 100

77 3.6 0.0 0.0#





#77

Bromobenzene

Concen: 3.733 ug/l

RT: 12.428 min Scan# 1

Delta R.T. -0.183 min

Lab File: VY015967.D

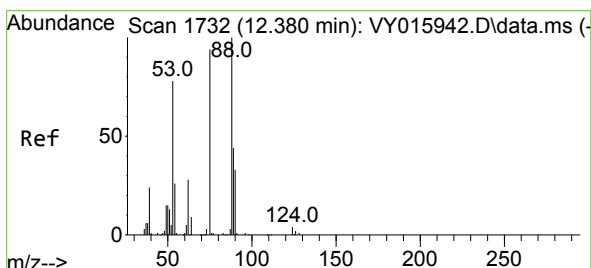
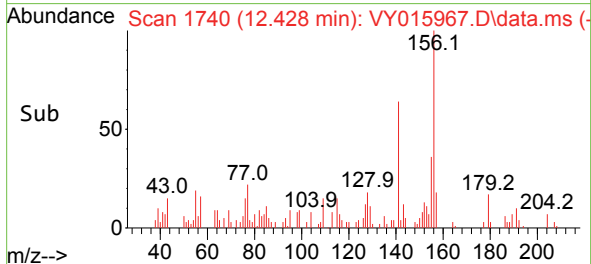
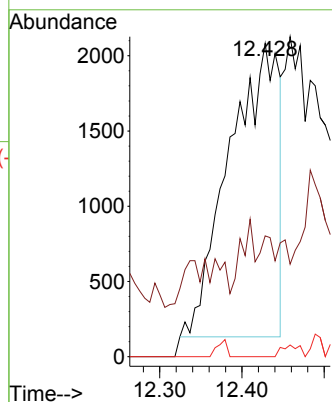
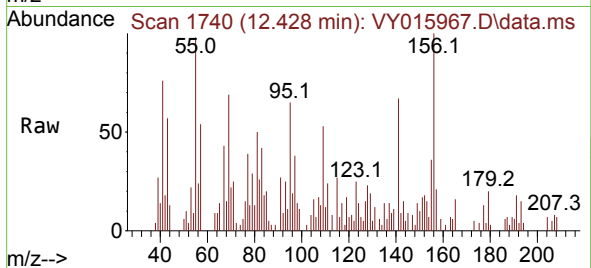
Acq: 13 Oct 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	156	Resp:	8145
Ion Ratio	Lower	Upper	
156	100		
77	3.9	92.8	278.6#
158	0.0	48.4	145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.764 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY015967.D

Acq: 13 Oct 2023 19:00

Tgt Ion:	75	Resp:	58910
Ion Ratio	Lower	Upper	
75	100		
53	0.5	77.8	116.8#
89	0.5	37.4	56.0#

