

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016171.D
 Acq On : 01 Nov 2023 16:13
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:27:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

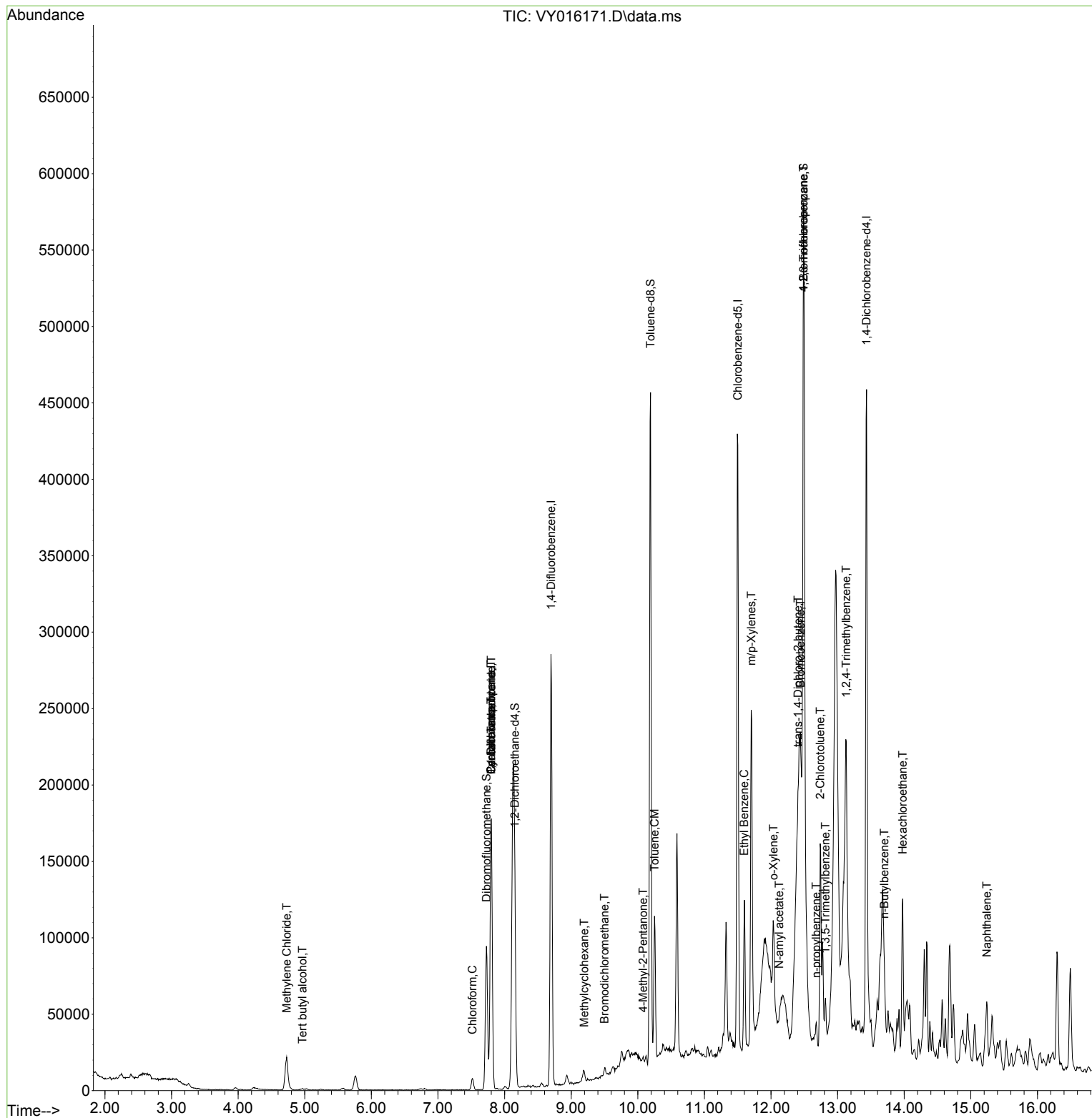
Internal Standards						
1) Pentafluorobenzene	7.801	168	146173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	245747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	228657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	77256	56.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.960%
35) Dibromofluoromethane	7.728	113	66936	45.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.380%
50) Toluene-d8	10.191	98	286961	49.402	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.489	95	103646	52.181	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1738	17.007	ug/l	99
13) Acrolein	3.735	56	151	Below Cal	#	57
16) Acetone	3.966	43	2835	Below Cal		93
20) Methylene Chloride	4.729	84	15837	8.879	ug/l #	84
30) Chloroform	7.515	83	7555	2.898	ug/l	94
31) Cyclohexane	7.795	56	3588	1.706	ug/l #	4
36) 1,1-Dichloropropene	7.795	75	11126	5.259	ug/l #	49
38) Carbon Tetrachloride	7.801	117	13827	6.597	ug/l #	16
39) Methylcyclohexane	9.197	83	3012	1.193	ug/l	92
47) Bromodichloromethane	9.502	83	3976	1.888	ug/l #	98
49) 1,4-Dioxane	9.295	88	185	Below Cal	#	96
51) 4-Methyl-2-Pentanone	10.081	43	1662	1.787	ug/l #	85
52) Toluene	10.252	92	39056	9.924	ug/l	94
67) Ethyl Benzene	11.599	91	69159	8.511	ug/l	97
68) m/p-Xylenes	11.703	106	63620	20.262	ug/l	95
69) o-Xylene	12.038	106	13419	4.476	ug/l	96
74) N-amyl acetate	12.124	43	2711	1.515	ug/l #	58
76) 1,2,3-Trichloropropane	12.489	75	59915	57.960	ug/l #	100
77) Bromobenzene	12.441	156	400704	214.913	ug/l #	1
78) n-propylbenzene	12.678	91	12564	1.291	ug/l	99
79) 2-Chlorotoluene	12.739	91	10206	1.880	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.819	105	7826	1.173	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.404	75	4876	10.227	ug/l #	33
84) 1,2,4-Trimethylbenzene	13.129	105	39037	5.914	ug/l	95
89) n-Butylbenzene	13.703	91	9726	1.458	ug/l #	69
90) Hexachloroethane	13.977	117	4123	3.295	ug/l #	8
95) Naphthalene	15.239	128	31269	8.185	ug/l	99

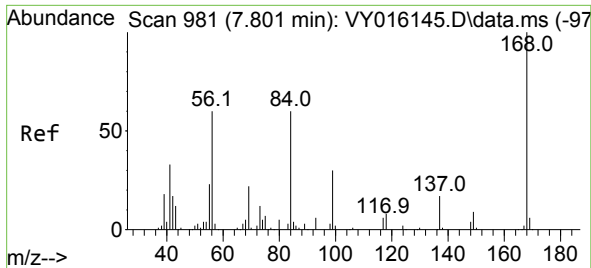
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
Data File : VY016171.D
Acq On : 01 Nov 2023 16:13
Operator : SY/MD
Sample : BLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 02 02:27:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

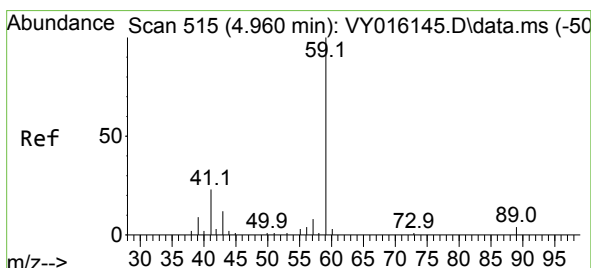
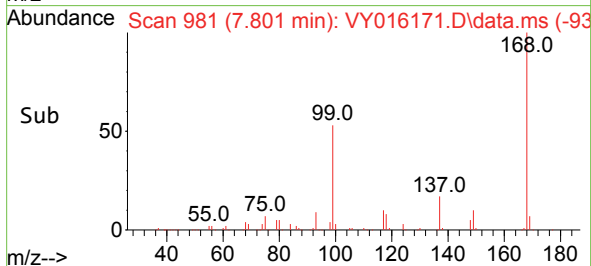
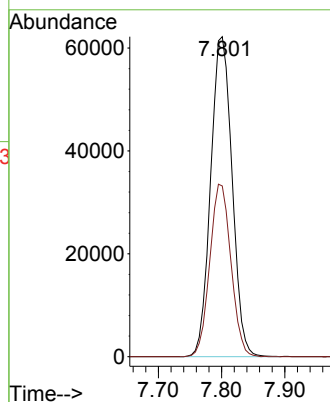
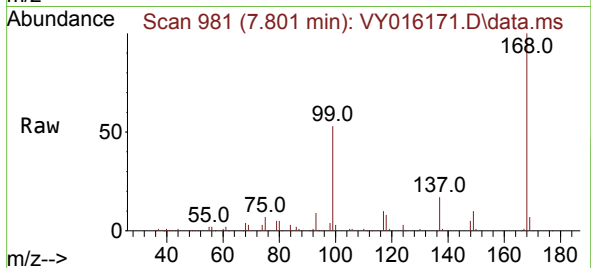




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

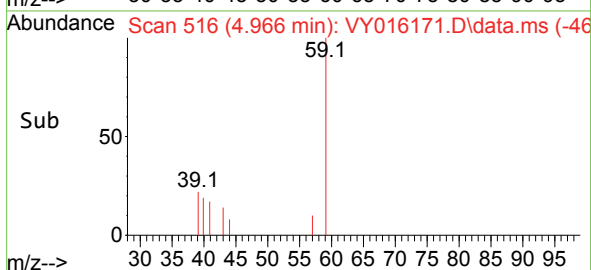
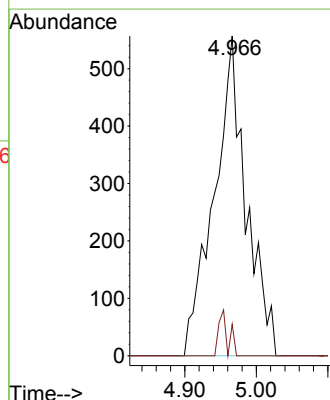
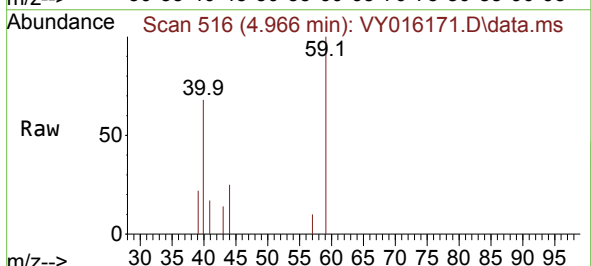
Instrument :
MSVOA_Y
ClientSampleId :

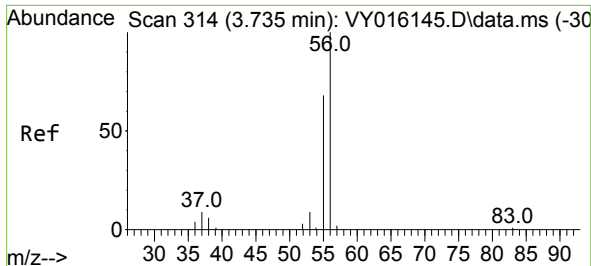
Tgt Ion:168 Resp: 146173
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 17.007 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

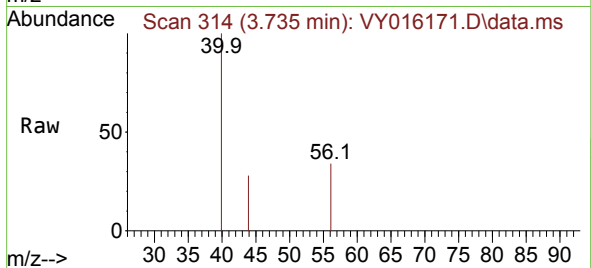
Tgt Ion: 59 Resp: 1738
Ion Ratio Lower Upper
59 100
57 4.1 3.0 4.4



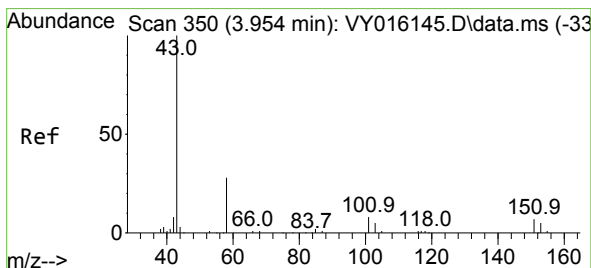
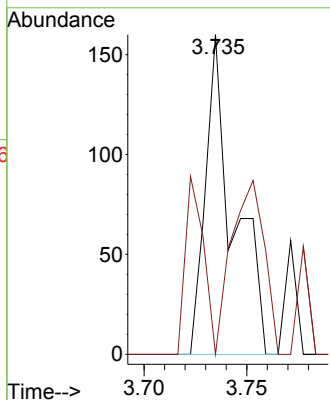
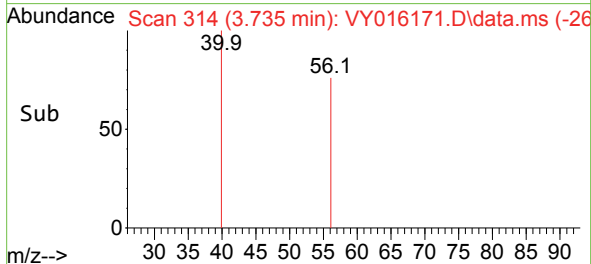


#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

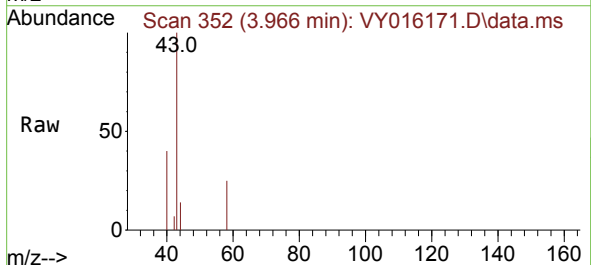
Instrument :
MSVOA_Y
ClientSampleId :



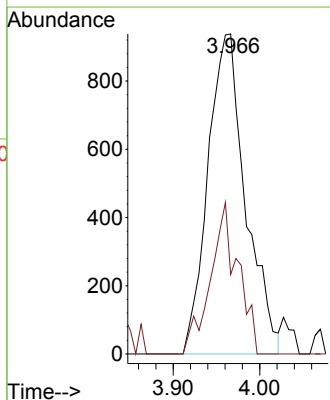
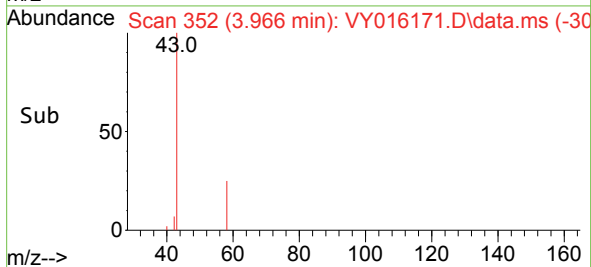
Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 35.8 57.0 85.4#

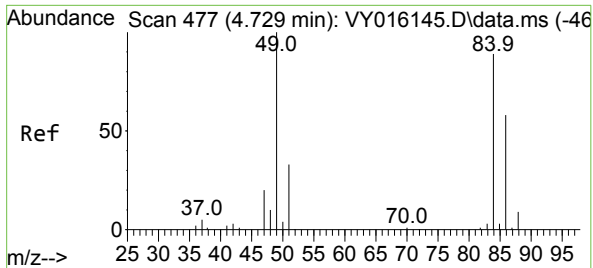


#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13



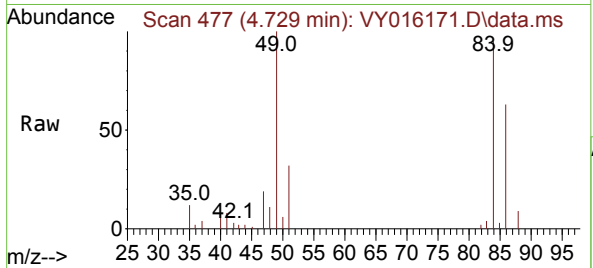
Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1



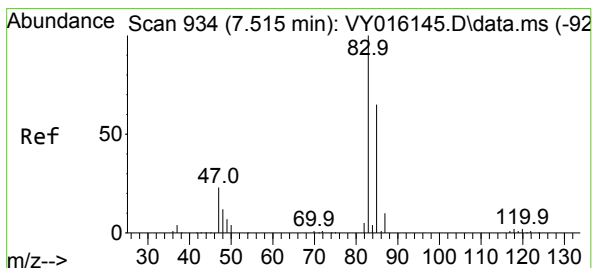
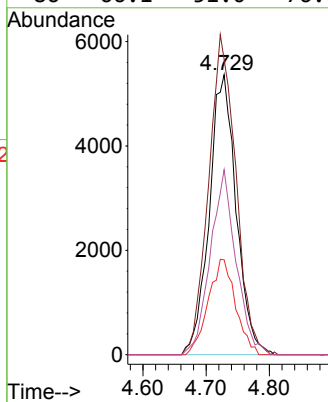
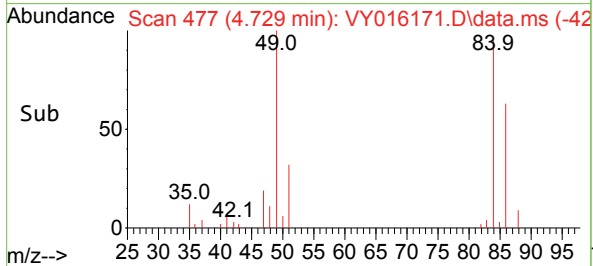


#20
Methylene Chloride
Concen: 8.879 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

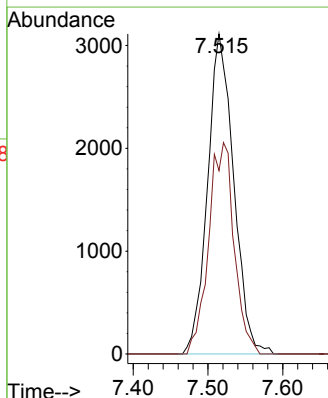
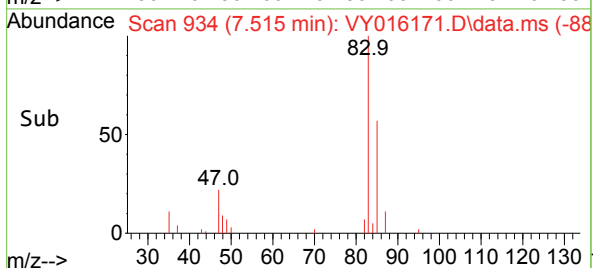
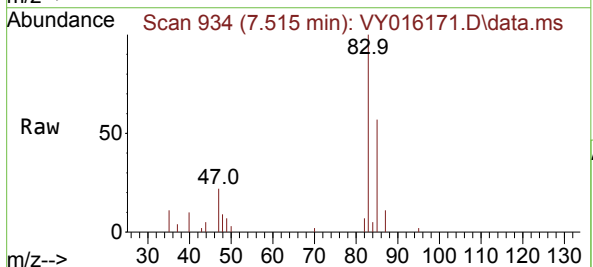


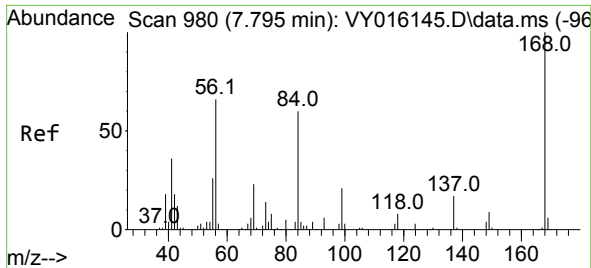
Tgt Ion: 84 Resp: 15837
Ion Ratio Lower Upper
84 100
49 105.5 106.9 160.3#
51 33.9 33.2 49.8
86 66.1 51.0 76.6



#30
Chloroform
Concen: 2.898 ug/l
RT: 7.515 min Scan# 934
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

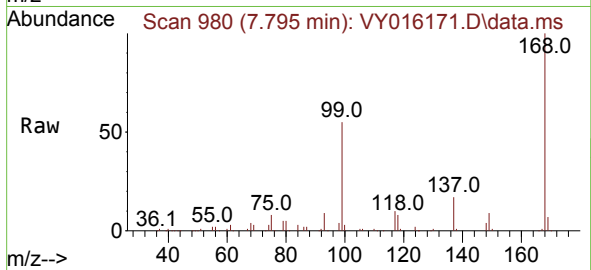
Tgt Ion: 83 Resp: 7555
Ion Ratio Lower Upper
83 100
85 57.3 49.7 74.5



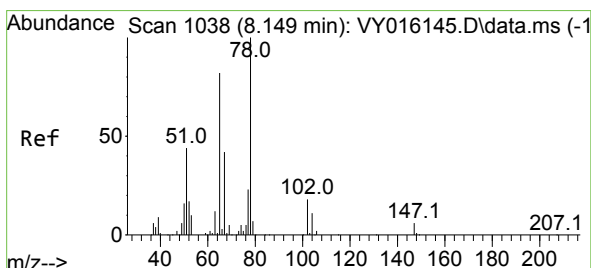
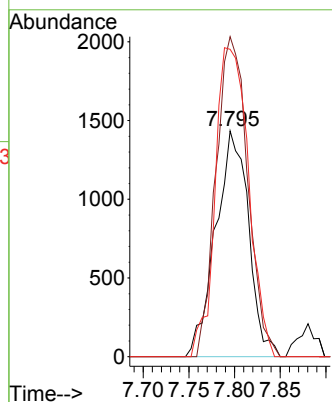
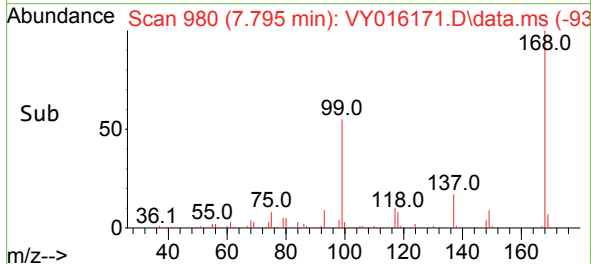


#31
Cyclohexane
Concen: 1.706 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

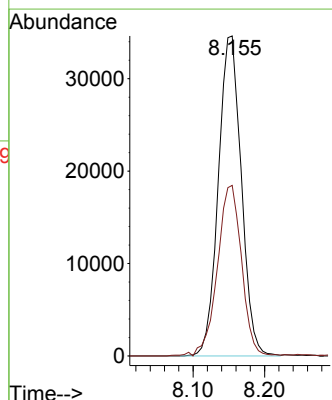
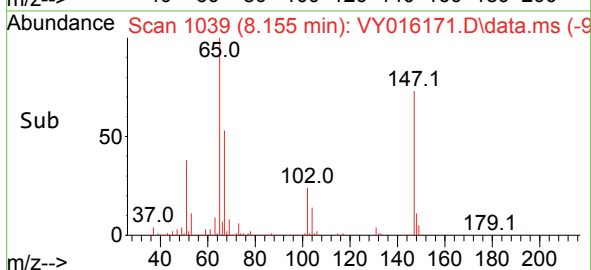
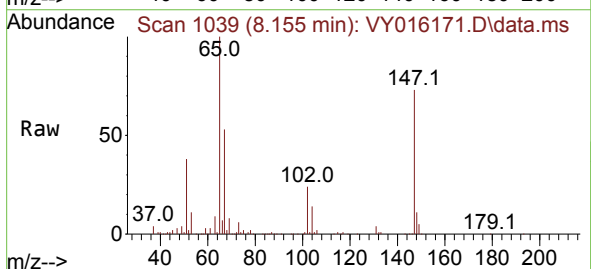


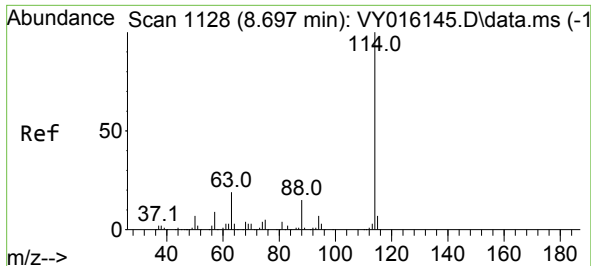
Tgt Ion: 56 Resp: 3588
Ion Ratio Lower Upper
56 100
69 141.8 27.8 41.6#
84 136.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.482 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 65 Resp: 77256
Ion Ratio Lower Upper
65 100
67 56.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

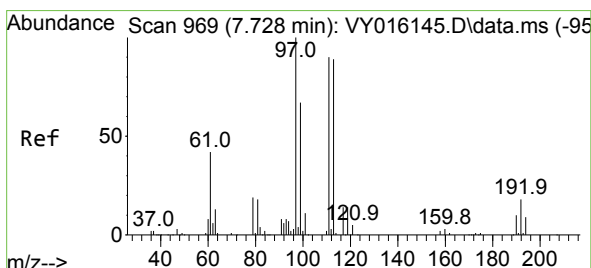
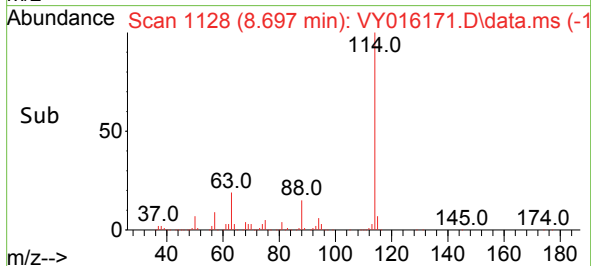
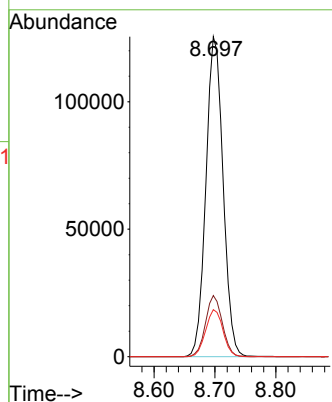
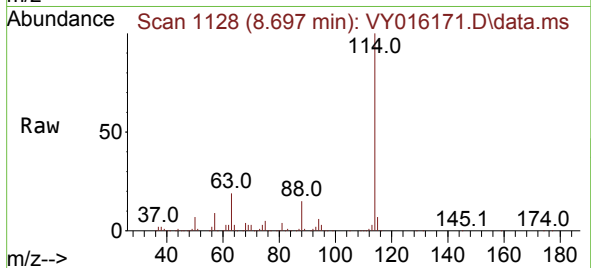
Tgt Ion:114 Resp: 245747

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.688 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

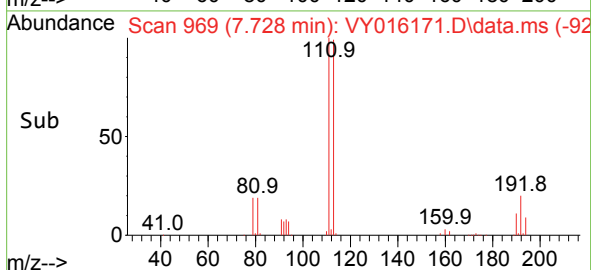
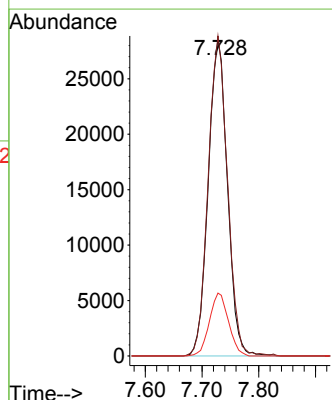
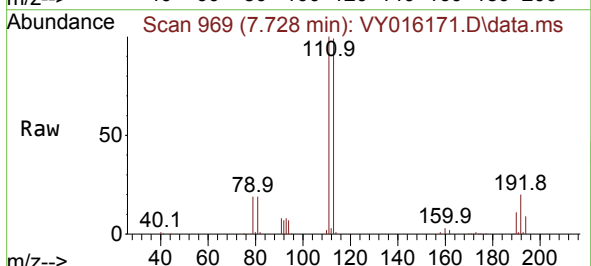
Tgt Ion:113 Resp: 66936

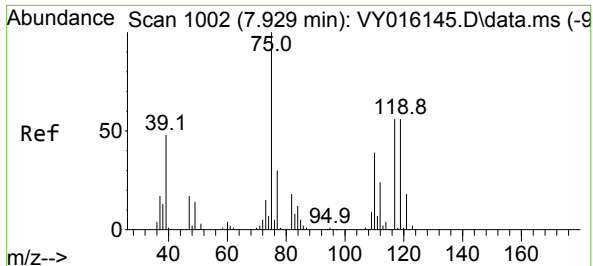
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

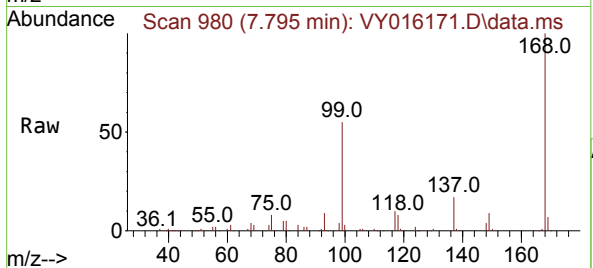
192 19.8 16.9 25.3



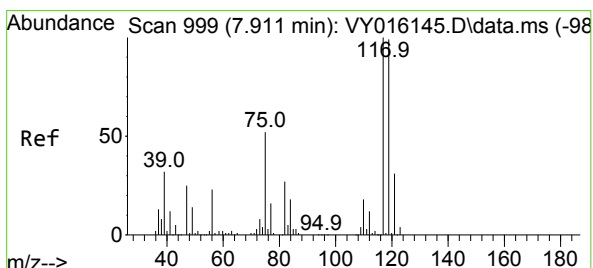
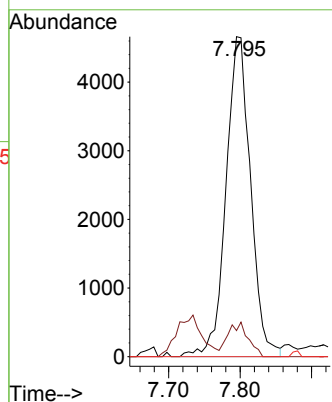
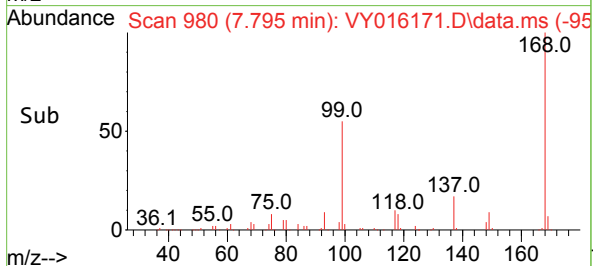


#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.134 min
 Lab File: VY016171.D
 Acq: 01 Nov 2023 16:13

Instrument :
 MSVOA_Y
 ClientSampleId :

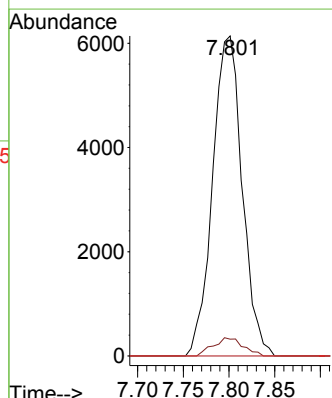
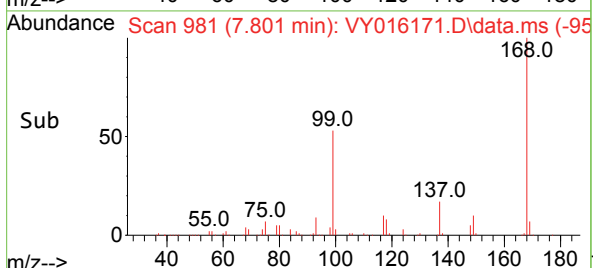
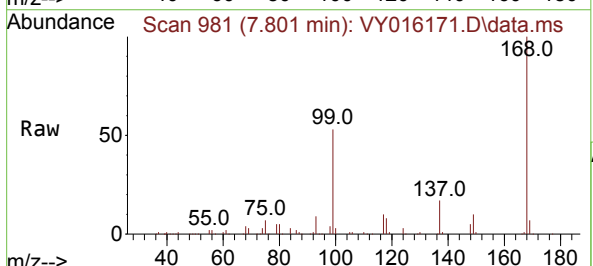


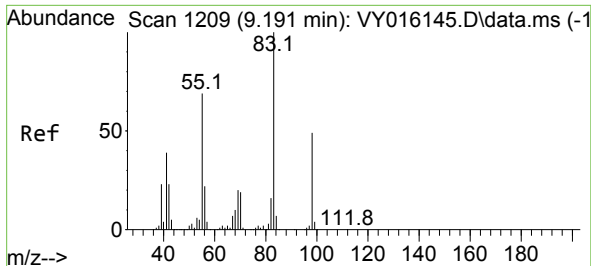
Tgt Ion: 75 Resp: 11126
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.597 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY016171.D
 Acq: 01 Nov 2023 16:13

Tgt Ion: 117 Resp: 13827
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 1.193 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

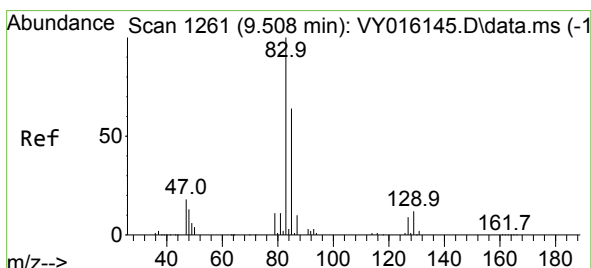
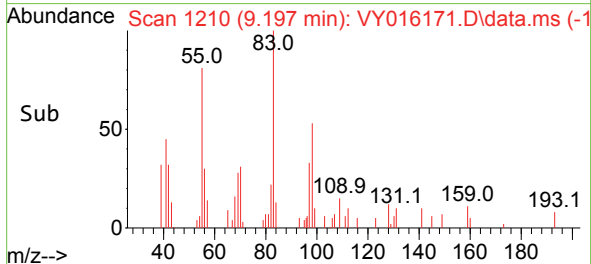
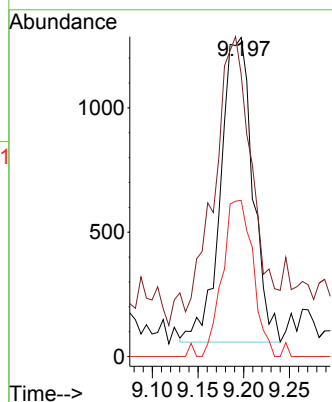
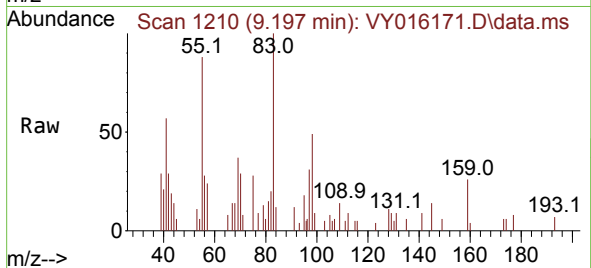
Tgt Ion: 83 Resp: 3012

Ion Ratio Lower Upper

83 100

55 71.7 63.0 94.4

98 51.3 37.4 56.2



#47

Bromodichloromethane

Concen: 1.888 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. -0.006 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

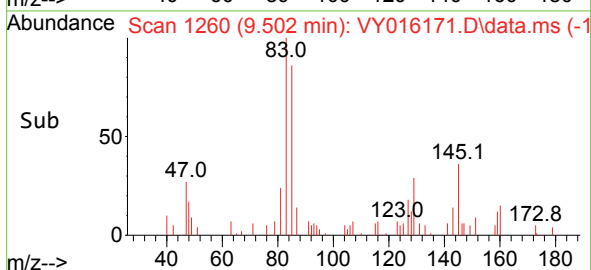
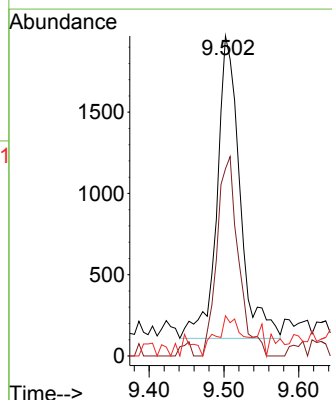
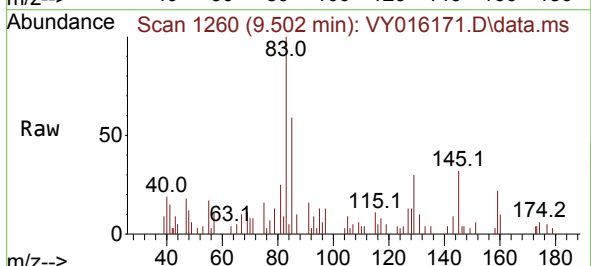
Tgt Ion: 83 Resp: 3976

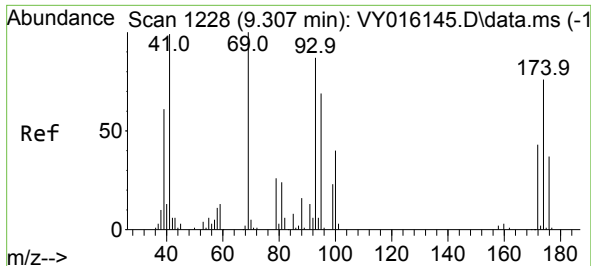
Ion Ratio Lower Upper

83 100

85 61.9 50.1 75.1

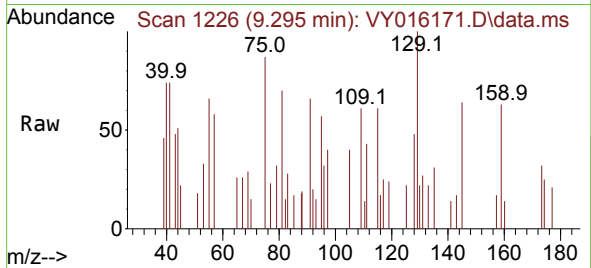
127 13.3 7.1 10.7



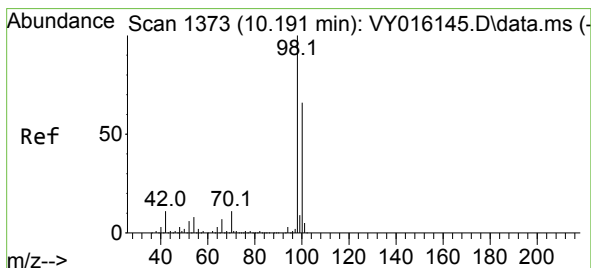
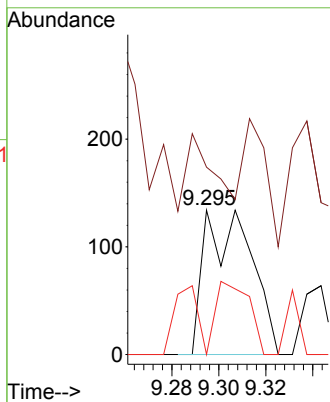
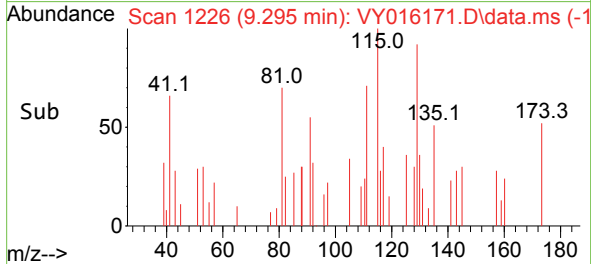


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.295 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :

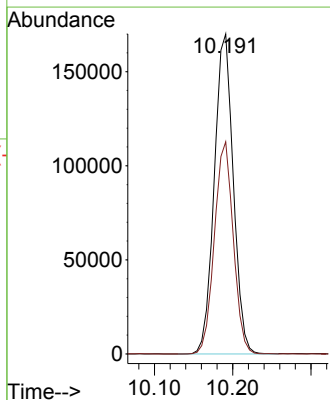
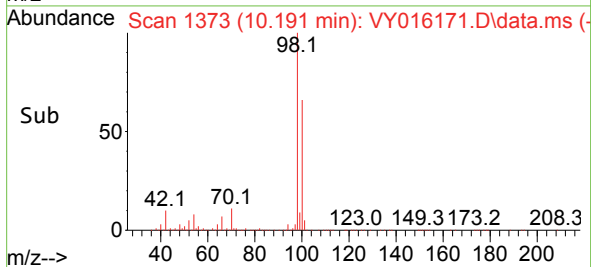
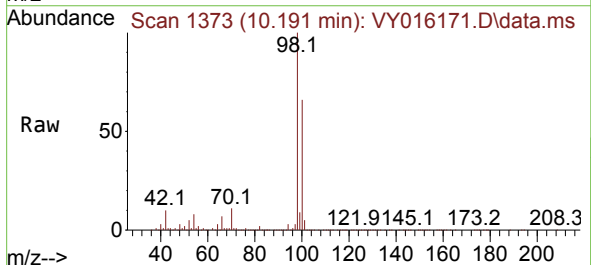


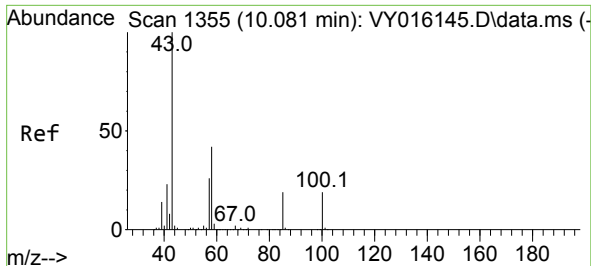
Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 36.2 30.9 46.3



#50
Toluene-d8
Concen: 49.402 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 98 Resp: 286961
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

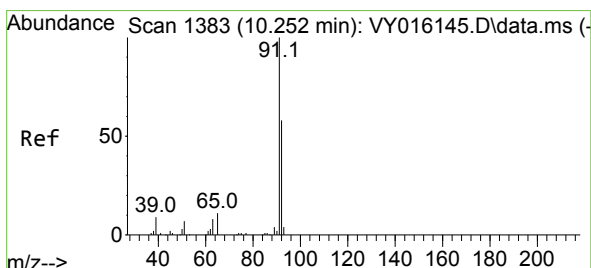
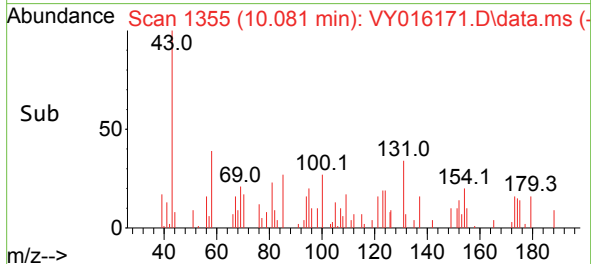
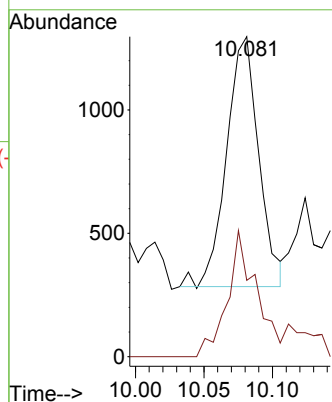
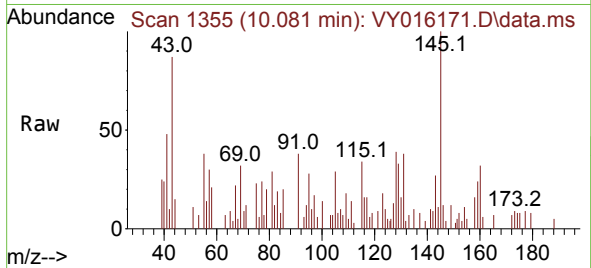




#51
4-Methyl-2-Pentanone
Concen: 1.787 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

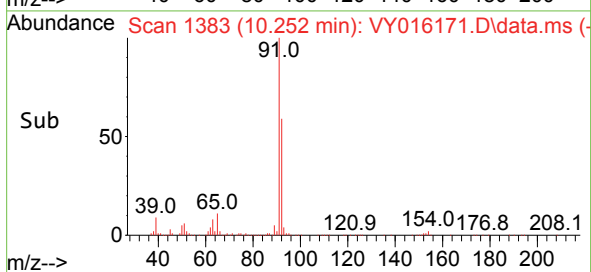
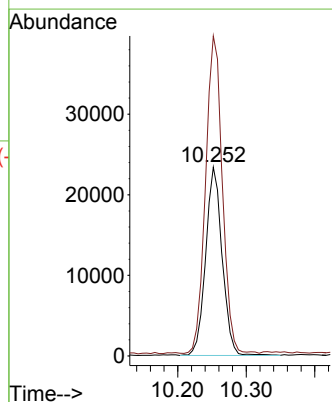
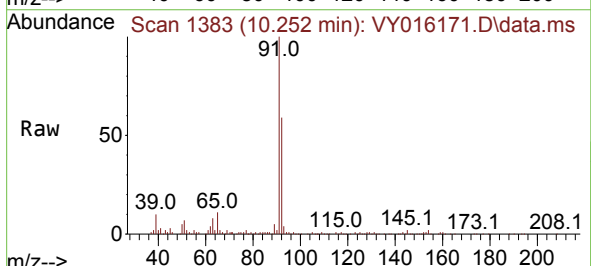
Instrument :
MSVOA_Y
ClientSampleId :

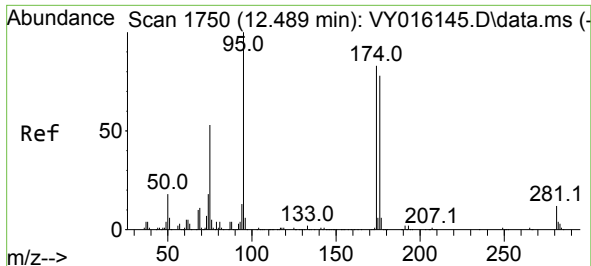
Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 45.0 29.0 43.6#



#52
Toluene
Concen: 9.924 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 92 Resp: 39056
Ion Ratio Lower Upper
92 100
91 171.7 143.8 215.6

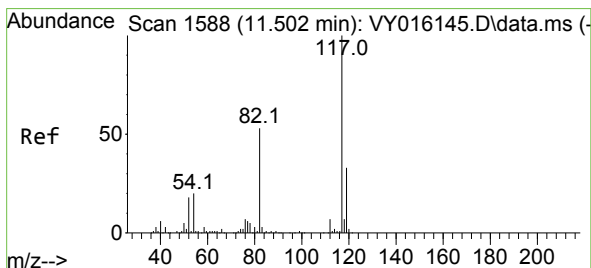
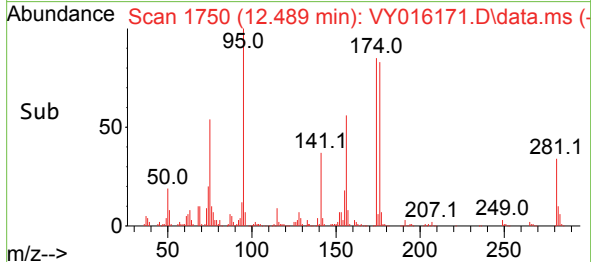
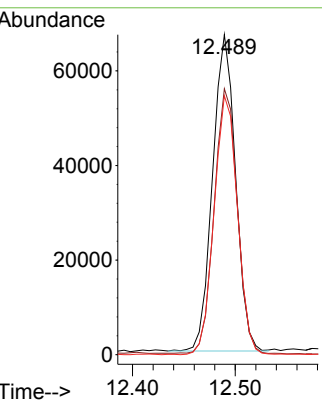
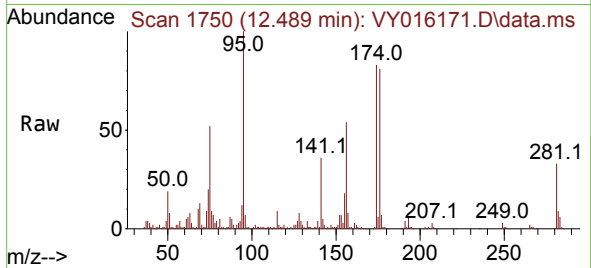




#62
4-Bromofluorobenzene
Concen: 52.181 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

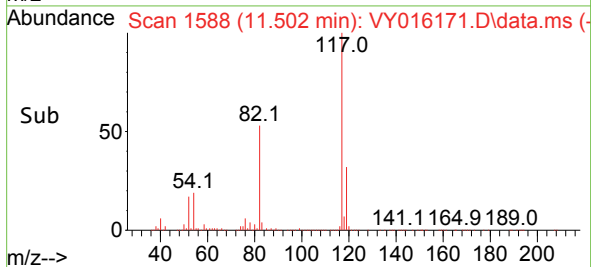
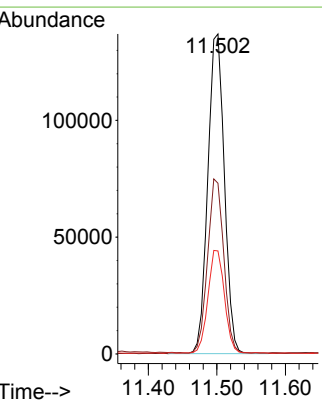
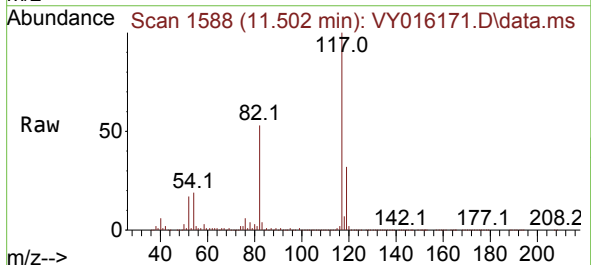
Instrument :
MSVOA_Y
ClientSampleId :

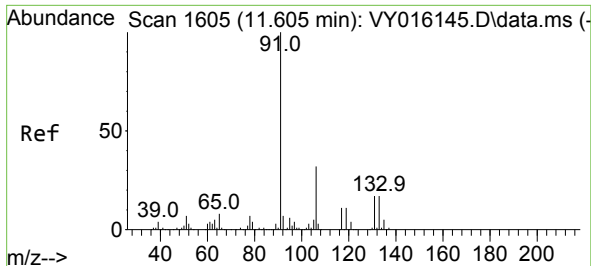
Tgt Ion: 95 Resp: 103646
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 83.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 117 Resp: 228657
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.0 26.3 39.5

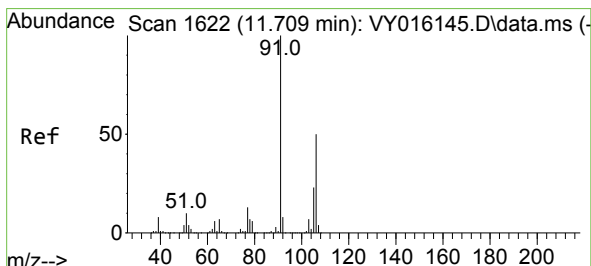
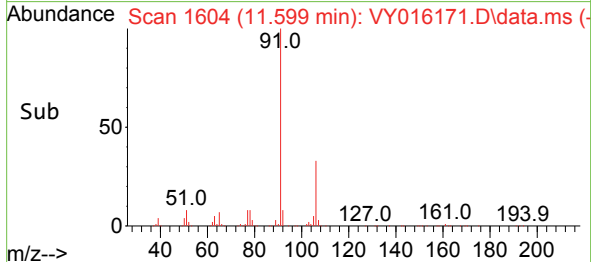
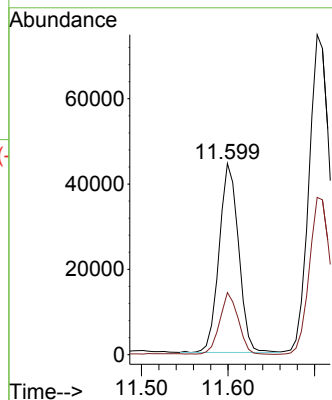
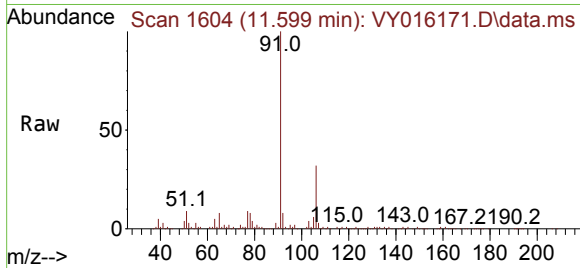




#67
Ethyl Benzene
Concen: 8.511 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

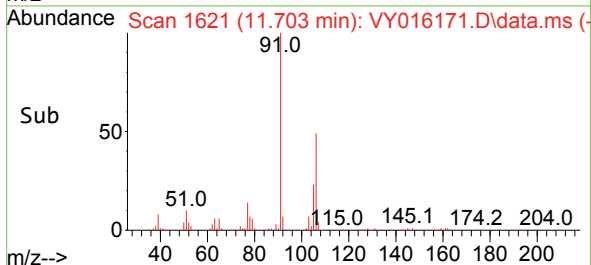
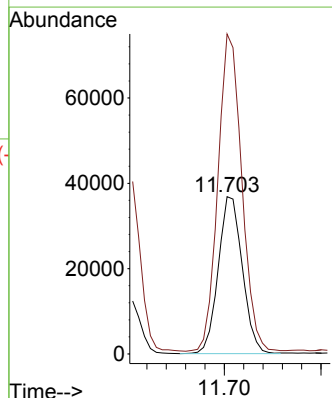
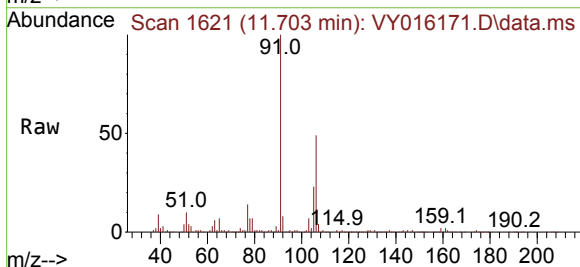
Instrument :
MSVOA_Y
ClientSampleId :

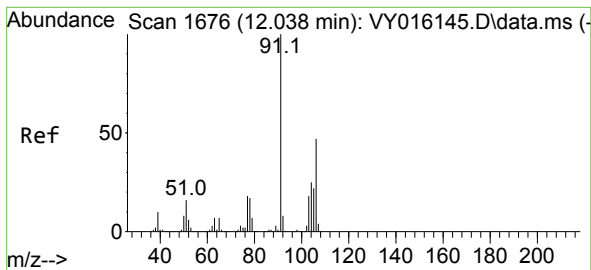
Tgt Ion: 91 Resp: 69159
Ion Ratio Lower Upper
91 100
106 32.6 24.6 36.8



#68
m/p-Xylenes
Concen: 20.262 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion:106 Resp: 63620
Ion Ratio Lower Upper
106 100
91 199.7 166.1 249.1





#69

o-Xylene

Concen: 4.476 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

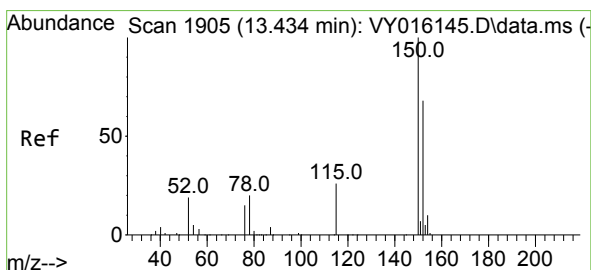
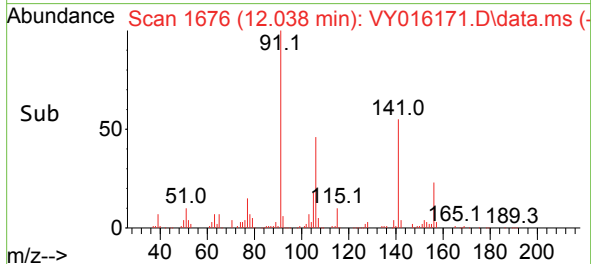
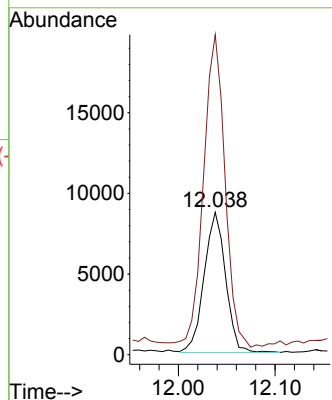
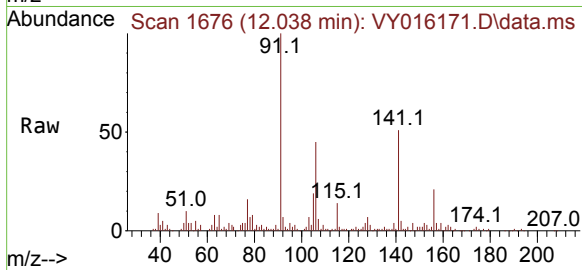
ClientSampleId :

Tgt Ion:106 Resp: 13419

Ion Ratio Lower Upper

106 100

91 221.8 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

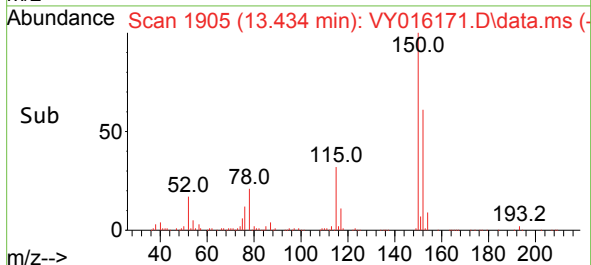
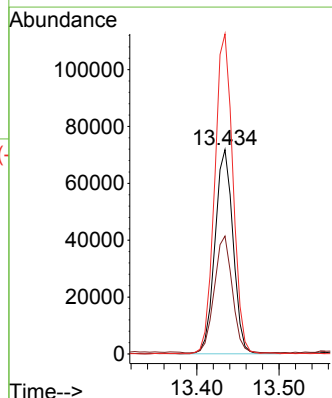
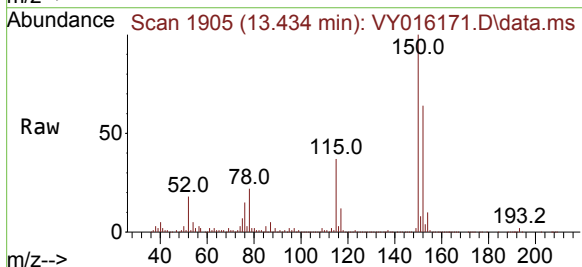
Tgt Ion:152 Resp: 109771

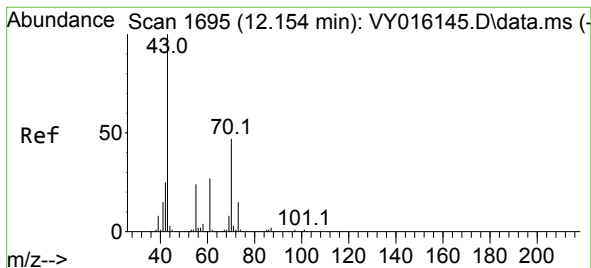
Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 157.1 0.0 348.8





#74

N-amy1 acetate

Concen: 1.515 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.030 min

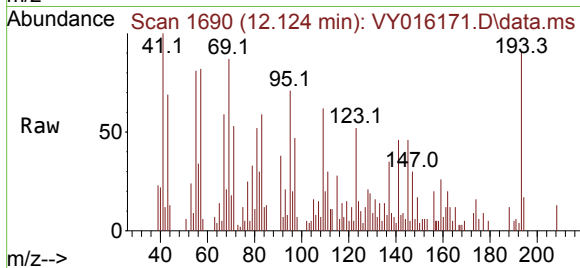
Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 2711

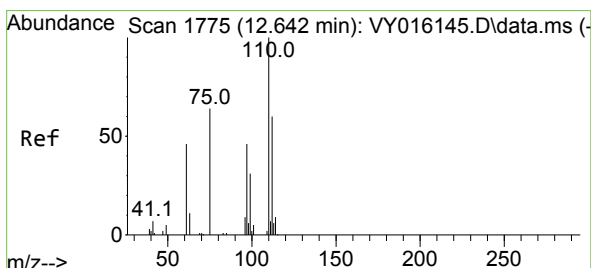
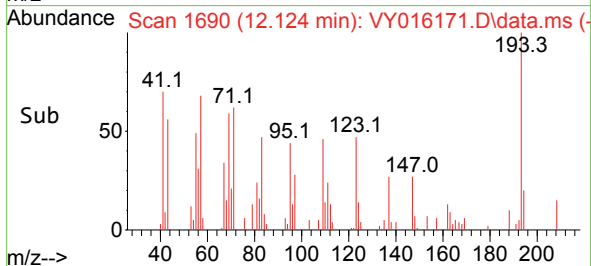
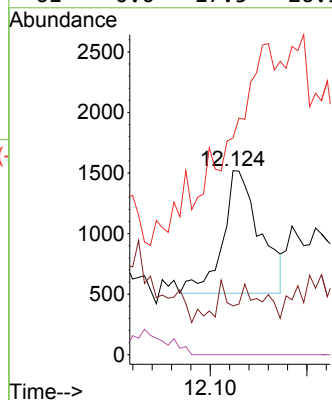
Ion Ratio Lower Upper

43 100

70 15.9 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 57.960 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016171.D

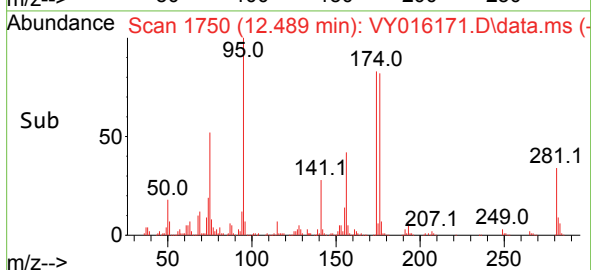
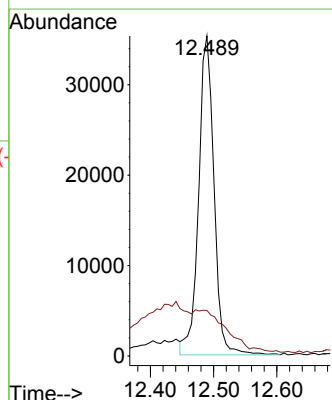
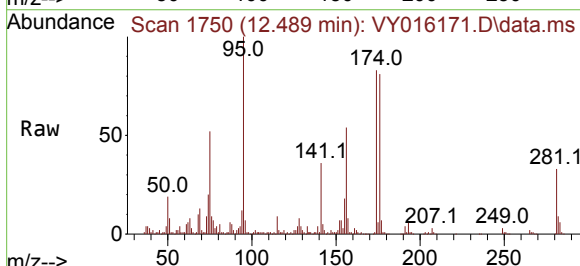
Acq: 01 Nov 2023 16:13

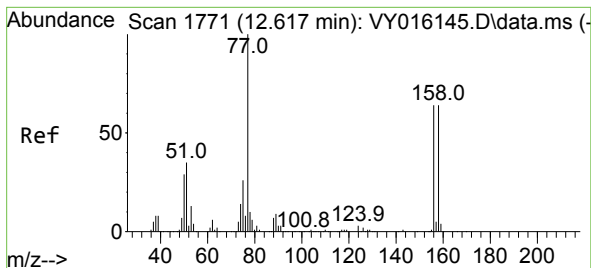
Tgt Ion: 75 Resp: 59915

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 214.913 ug/l

RT: 12.441 min Scan# 1771

Delta R.T. -0.177 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

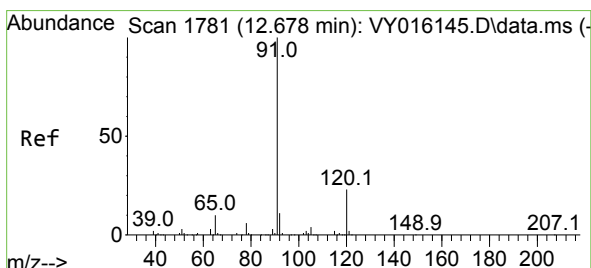
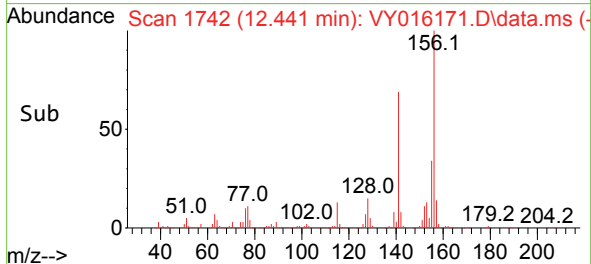
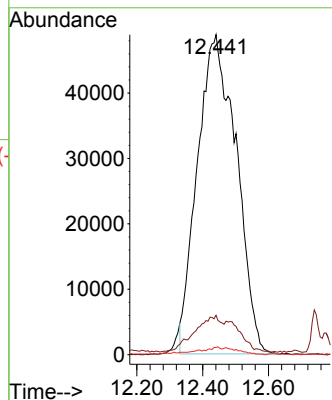
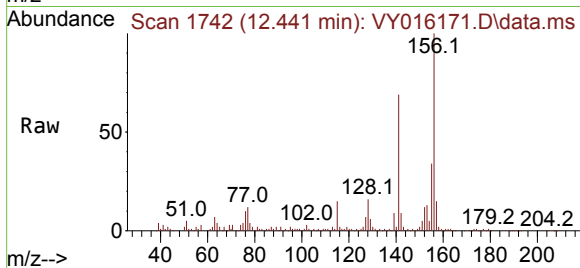
Tgt Ion:156 Resp: 400704

Ion Ratio Lower Upper

156 100

77 5.3 92.8 278.6#

158 0.3 48.4 145.3#



#78

n-propylbenzene

Concen: 1.291 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VY016171.D

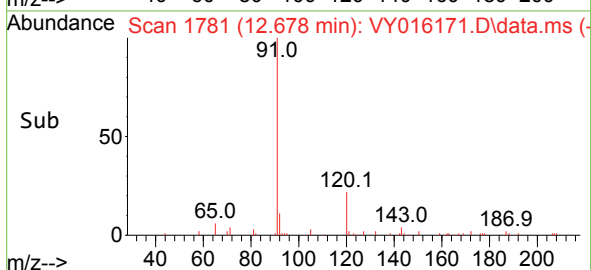
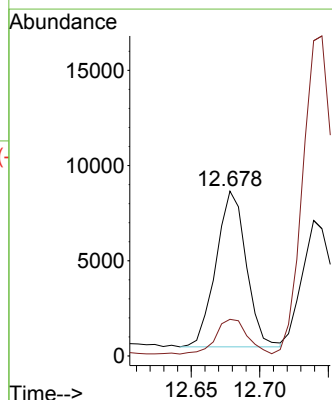
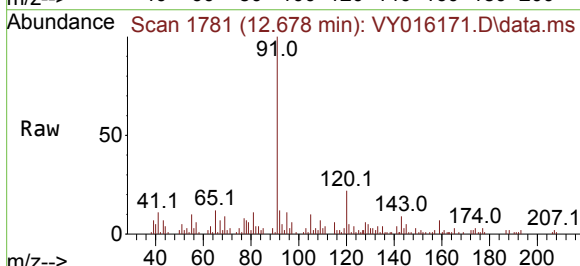
Acq: 01 Nov 2023 16:13

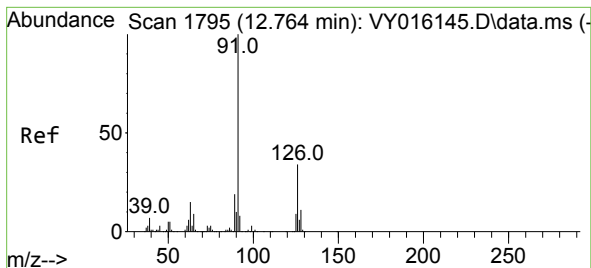
Tgt Ion: 91 Resp: 12564

Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.4

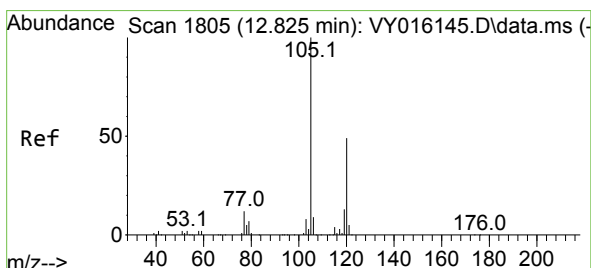
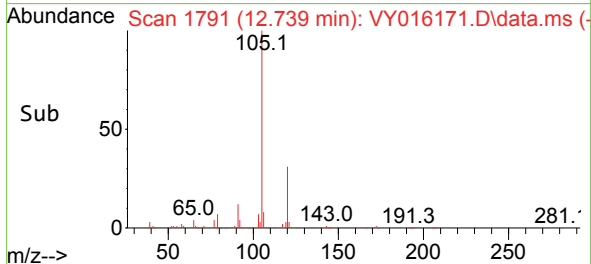
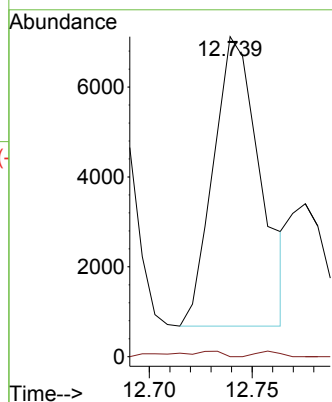
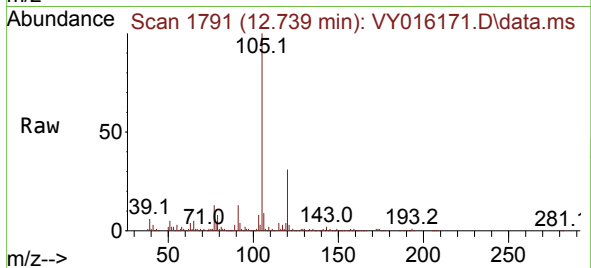




#79
2-Chlorotoluene
Concen: 1.880 ug/l
RT: 12.739 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

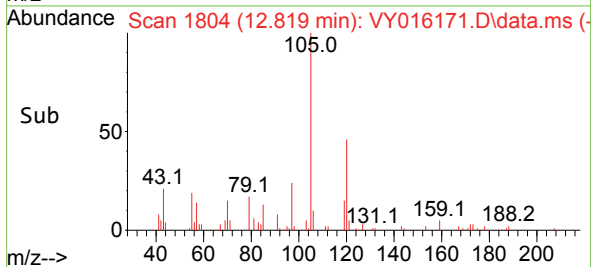
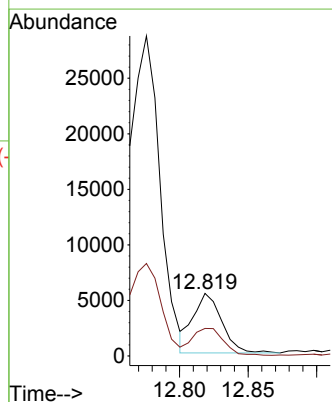
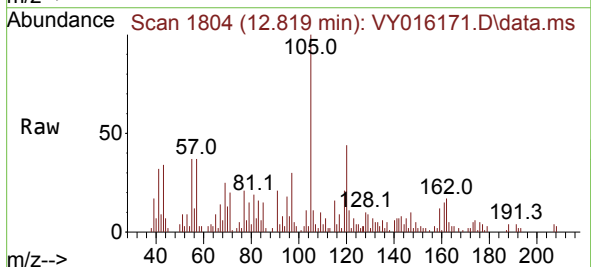
Instrument :
MSVOA_Y
ClientSampleId :

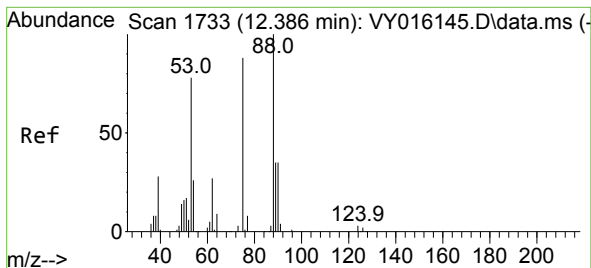
Tgt Ion: 91 Resp: 10206
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 1.173 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion: 105 Resp: 7826
Ion Ratio Lower Upper
105 100
120 49.4 23.9 71.7

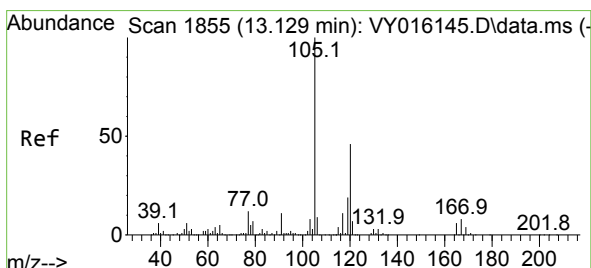
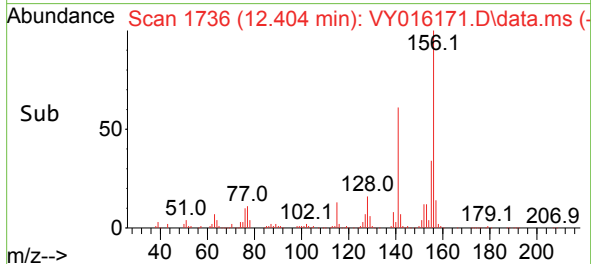
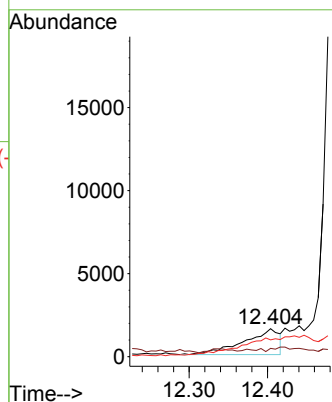
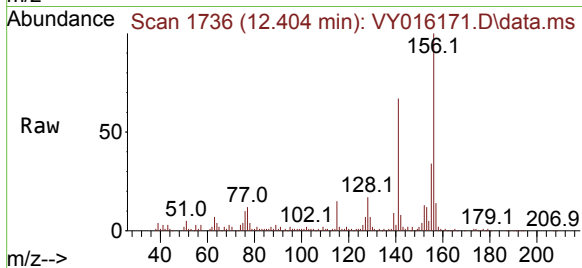




#81
trans-1,4-Dichloro-2-butene
Concen: 10.227 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. 0.018 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

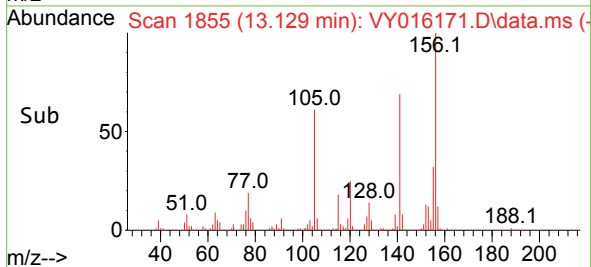
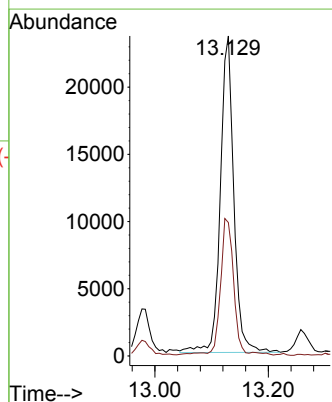
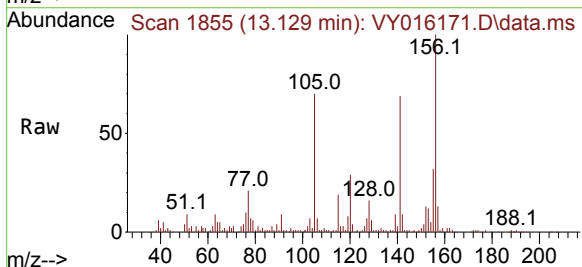
Instrument :
MSVOA_Y
ClientSampleId :

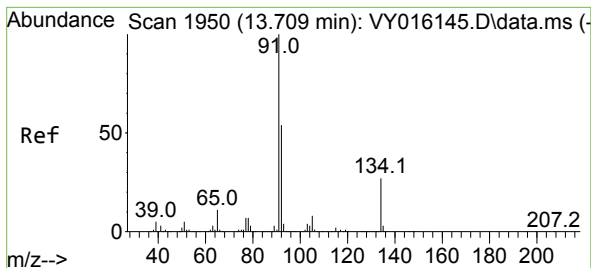
Tgt Ion: 75 Resp: 4876
Ion Ratio Lower Upper
75 100
53 14.2 77.8 116.8#
89 67.7 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 5.914 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Tgt Ion:105 Resp: 39037
Ion Ratio Lower Upper
105 100
120 41.4 22.2 66.6





#89

n-Butylbenzene

Concen: 1.458 ug/l

RT: 13.703 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016171.D

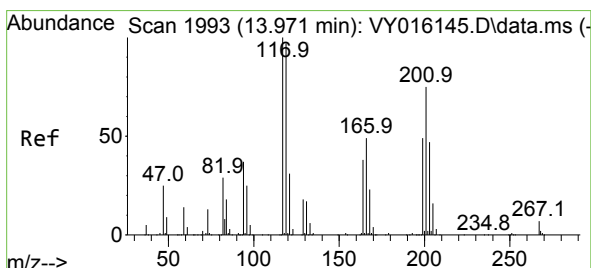
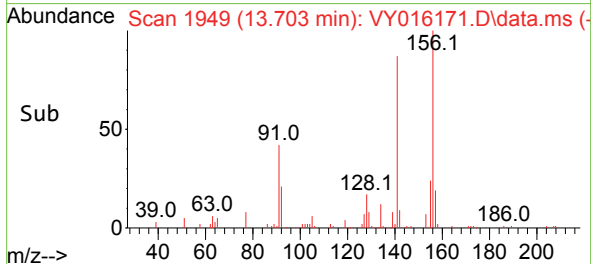
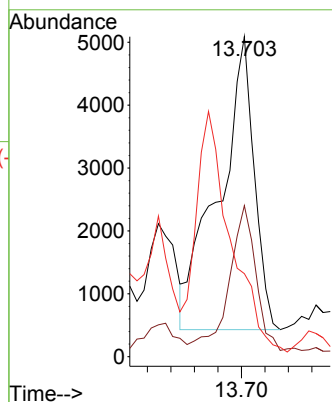
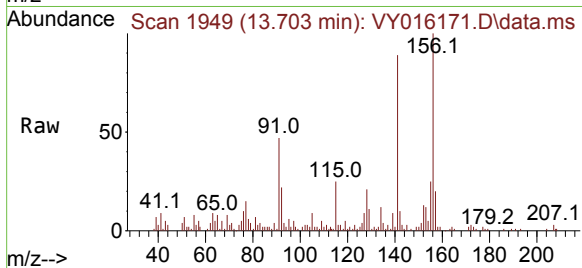
Acq: 01 Nov 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	9726
Ion Ratio	Lower	Upper
91	100	
92	36.1	25.4 76.0
134	0.0	12.6 37.6#



#90

Hexachloroethane

Concen: 3.295 ug/l

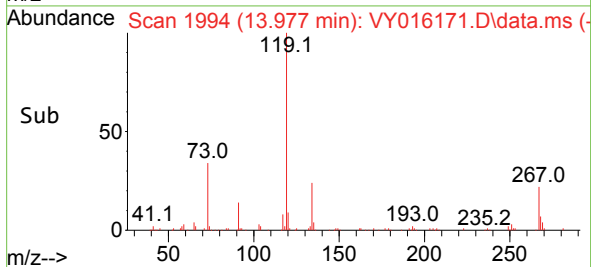
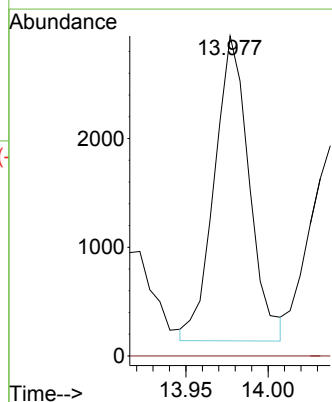
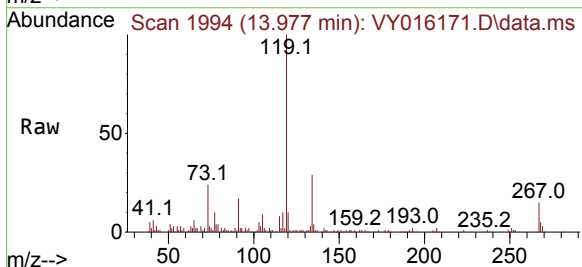
RT: 13.977 min Scan# 1994

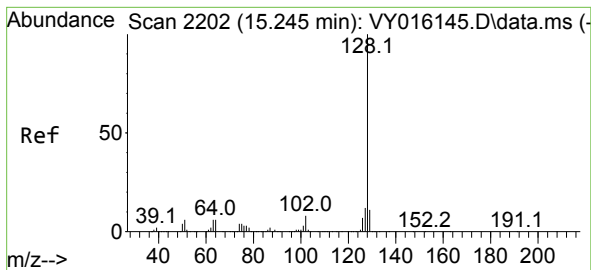
Delta R.T. 0.006 min

Lab File: VY016171.D

Acq: 01 Nov 2023 16:13

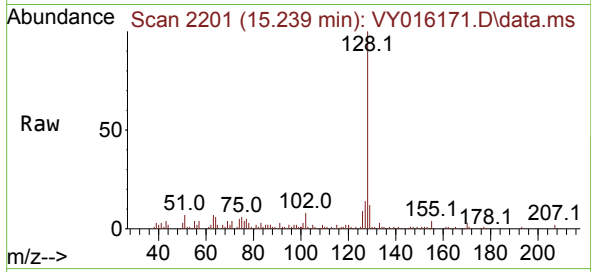
Tgt Ion: 117	Resp:	4123
Ion Ratio	Lower	Upper
117	100	
201	0.0	41.6 124.8#





#95
Naphthalene
Concen: 8.185 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY016171.D
Acq: 01 Nov 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 31269
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.3 8.6 13.0

