

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016165.D
 Acq On : 01 Nov 2023 13:53
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:24:40 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)

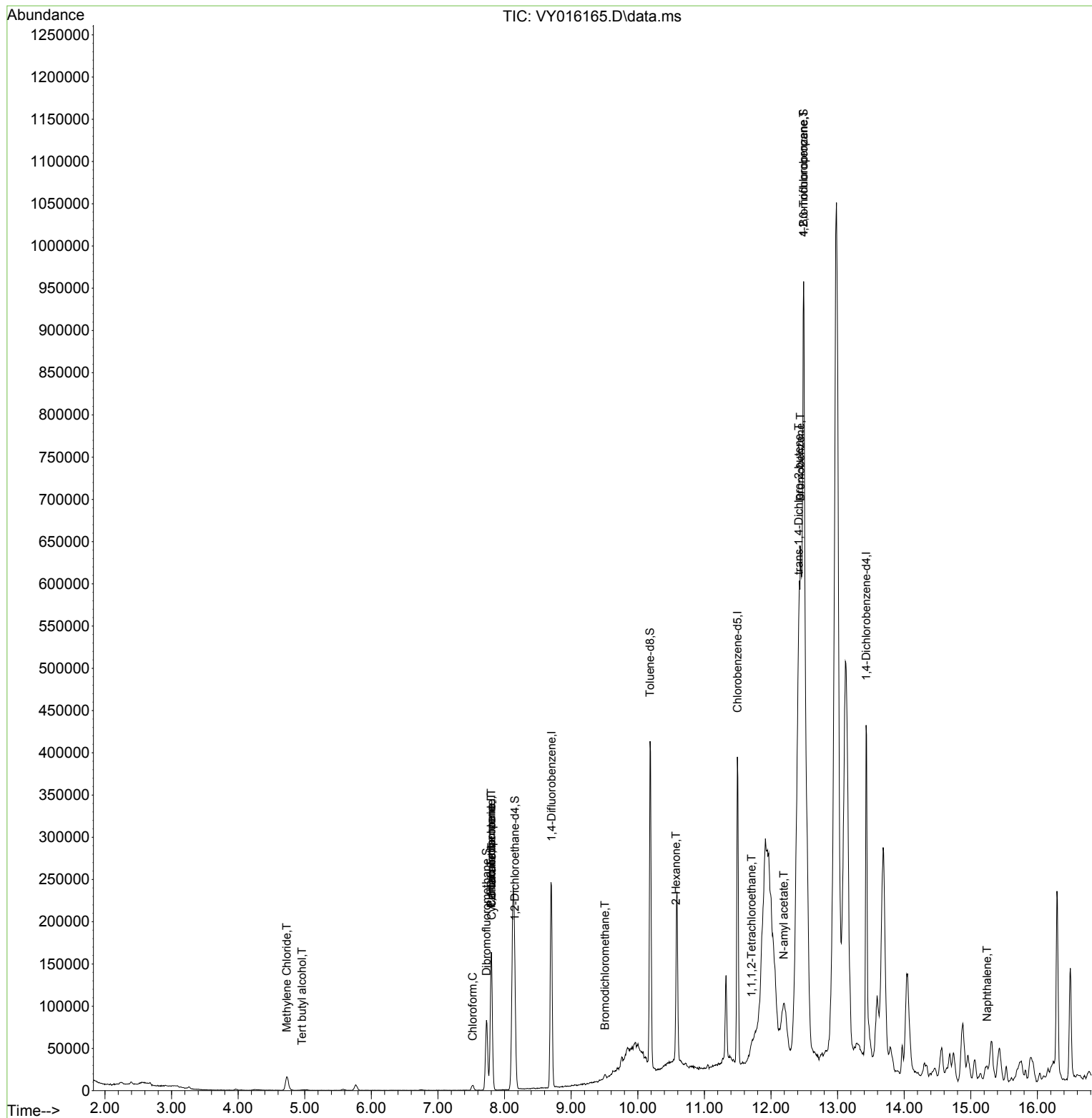
Internal Standards						
1) Pentafluorobenzene	7.801	168	127680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	214881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	200539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	70722	59.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.380%
35) Dibromofluoromethane	7.728	113	59294	46.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.580%
50) Toluene-d8	10.185	98	258563	50.907	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.489	95	93106	53.608	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.220%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.960	59	1444	16.177	ug/l #	89
13) Acrolein	3.741	56	60	Below Cal	#	1
16) Acetone	3.960	43	2478	Below Cal		96
20) Methylene Chloride	4.729	84	12685	7.873	ug/l	86
30) Chloroform	7.521	83	6107	2.681	ug/l	98
31) Cyclohexane	7.807	56	2585	1.407	ug/l #	21
36) 1,1-Dichloropropene	7.801	75	9774	5.284	ug/l #	50
38) Carbon Tetrachloride	7.801	117	12670	6.913	ug/l #	16
47) Bromodichloromethane	9.508	83	3519	1.911	ug/l	95
49) 1,4-Dioxane	9.307	88	279	Below Cal	#	50
59) 2-Hexanone	10.575	43	967	1.735	ug/l	75
66) 1,1,1,2-Tetrachloroethane	11.709	131	7781	5.273	ug/l #	9
74) N-amyl acetate	12.191	43	4300	2.660	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	66210	70.905	ug/l #	100
77) Bromobenzene	12.441	156	678768	403.014	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.416	75	12355	28.688	ug/l #	10
95) Naphthalene	15.245	128	3807	1.103	ug/l #	72

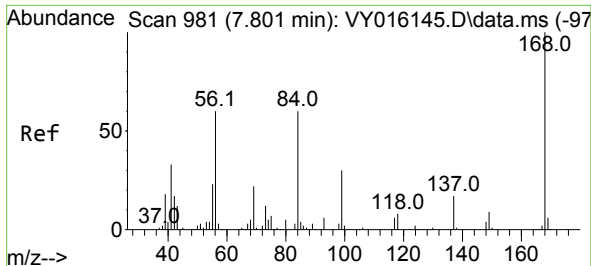
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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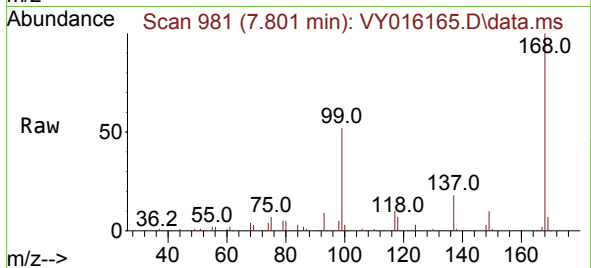
Quant Time: Nov 02 02:24:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



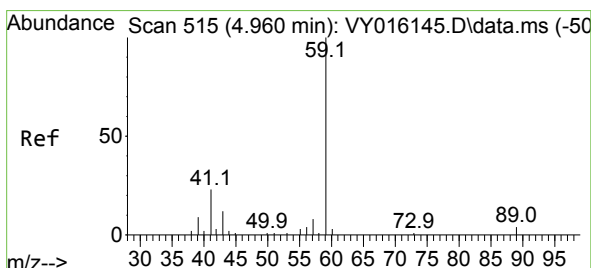
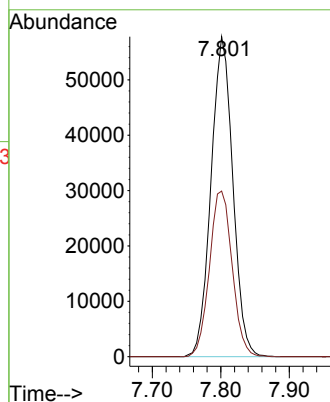
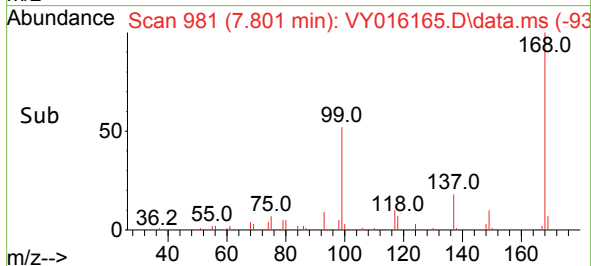


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :

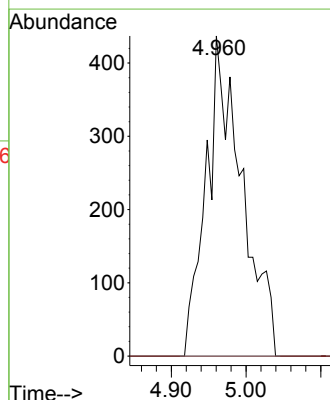
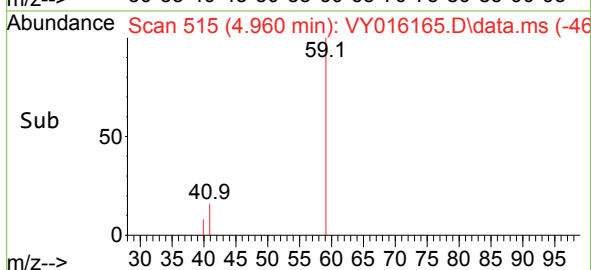
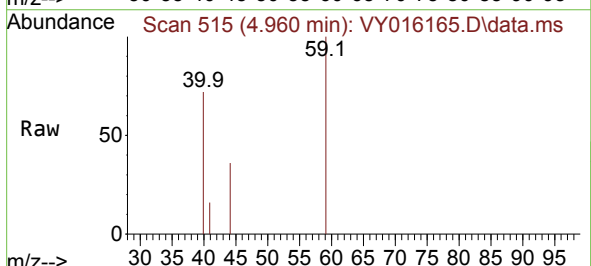


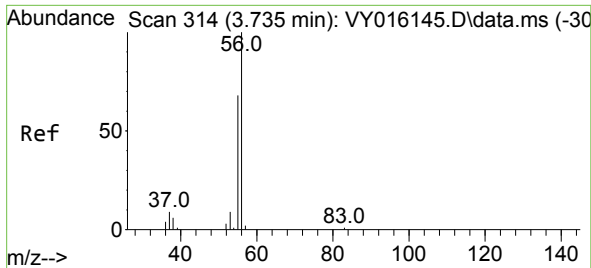
Tgt Ion:168 Resp: 127680
Ion Ratio Lower Upper
168 100
99 51.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 16.177 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion: 59 Resp: 1444
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

Instrument :

MSVOA_Y

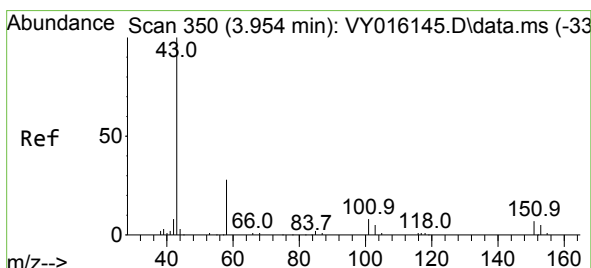
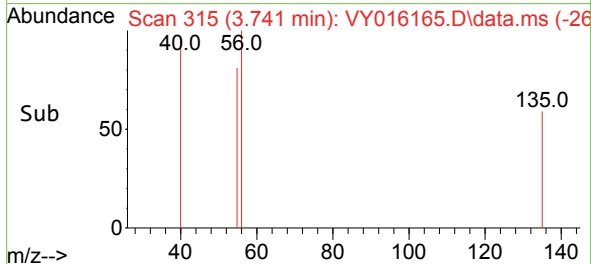
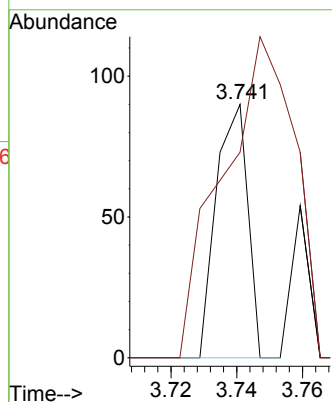
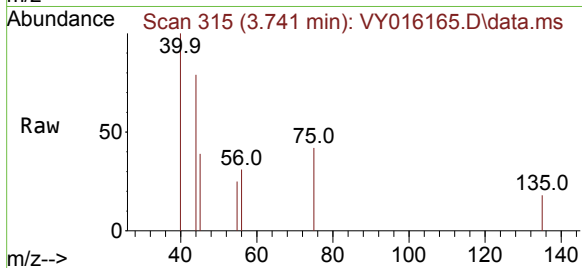
ClientSampleId :

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 288.3 57.0 85.4#



#16

Acetone

Concen: Below Cal

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY016165.D

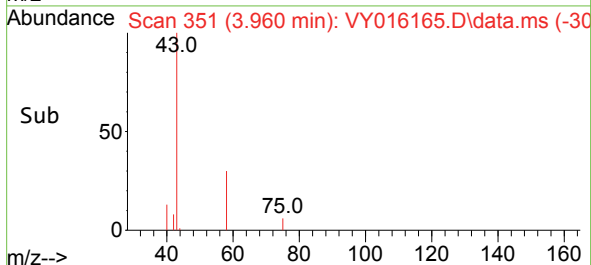
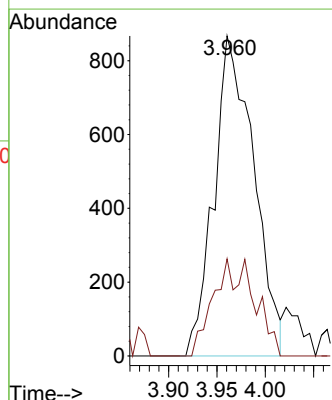
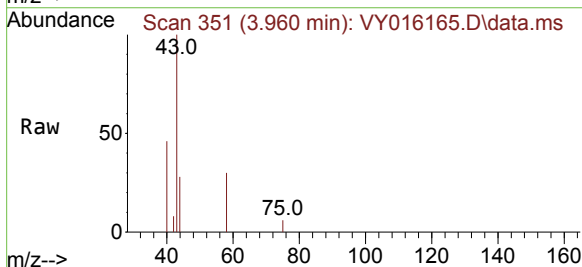
Acq: 01 Nov 2023 13:53

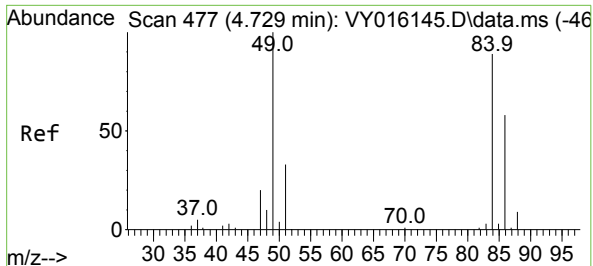
Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

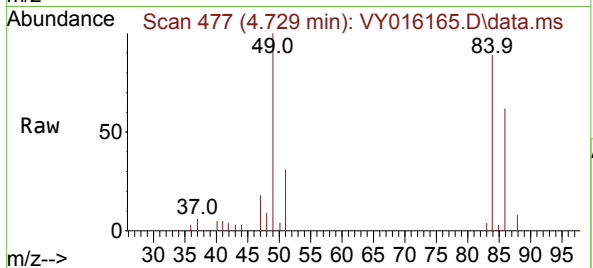
58 30.3 22.7 34.1



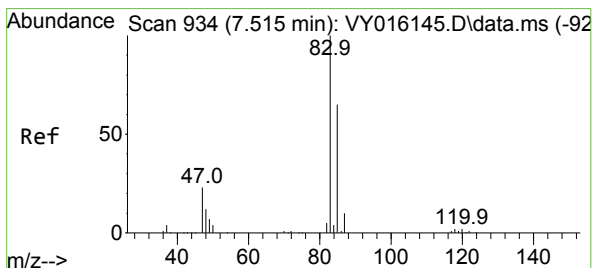
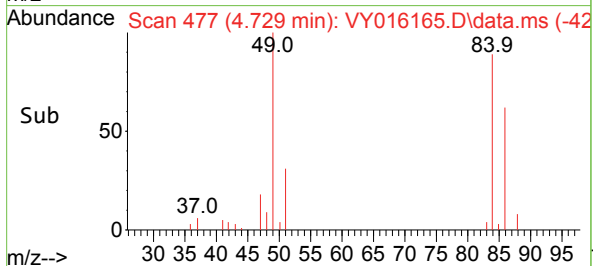
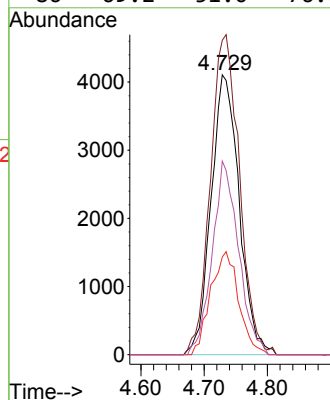


#20
Methylene Chloride
Concen: 7.873 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :

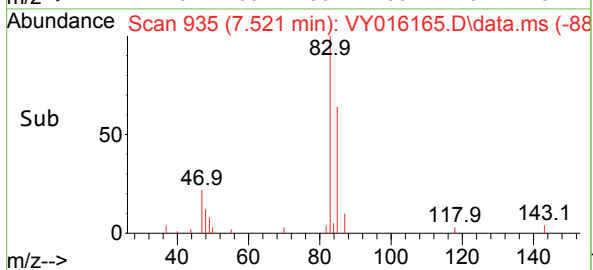
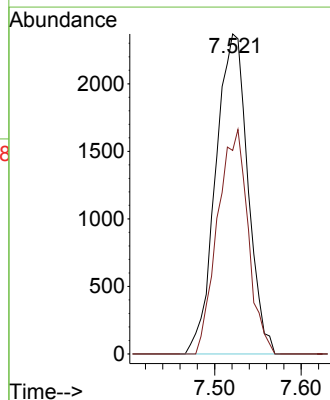
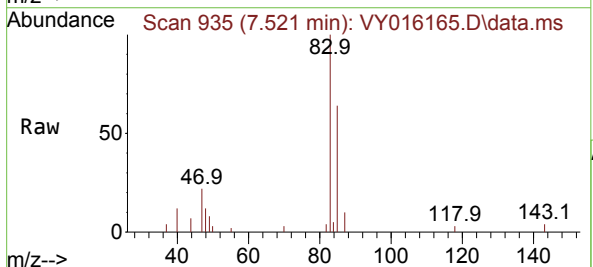


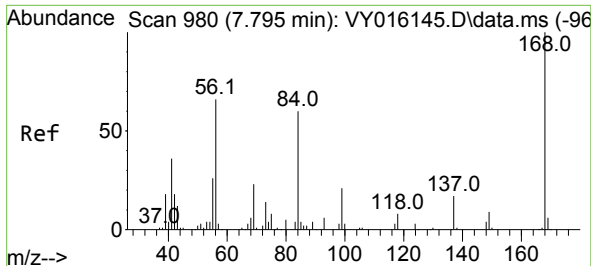
Tgt Ion:	84	Resp:	12685
Ion	Ratio	Lower	Upper
84	100		
49	112.3	106.9	160.3
51	34.9	33.2	49.8
86	69.2	51.0	76.6



#30
Chloroform
Concen: 2.681 ug/l
RT: 7.521 min Scan# 935
Delta R.T. 0.006 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

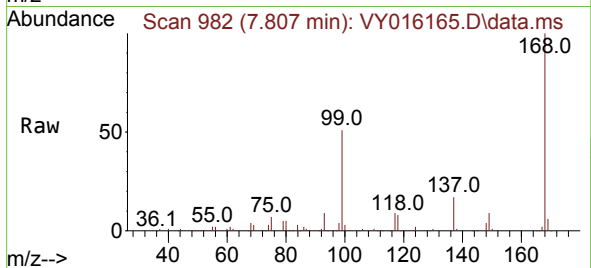
Tgt Ion:	83	Resp:	6107
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.7	74.5



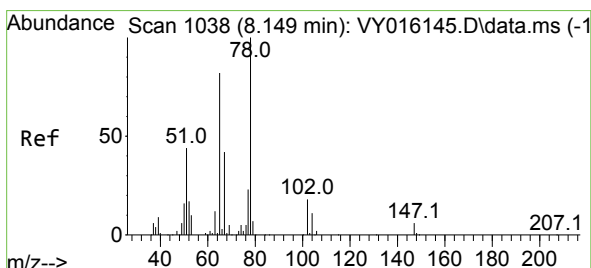
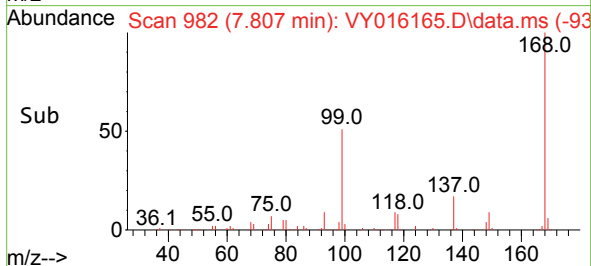
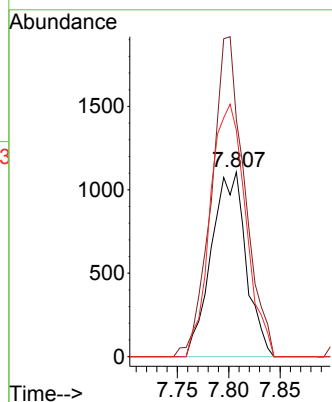


#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.807 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Instrument :
MSVOA_Y
ClientSampleId :

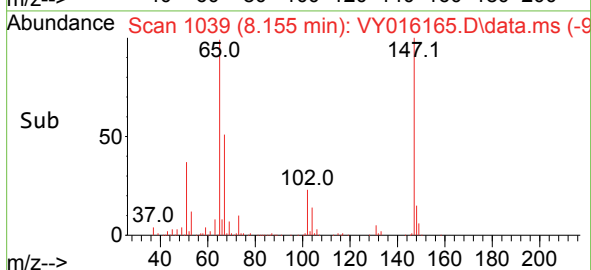
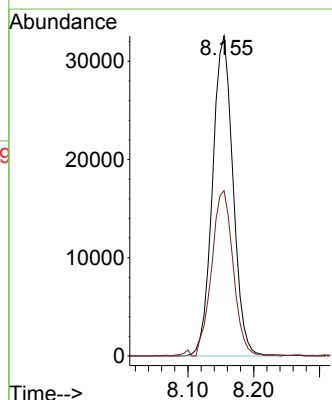
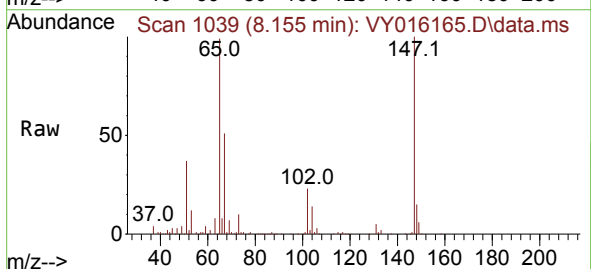


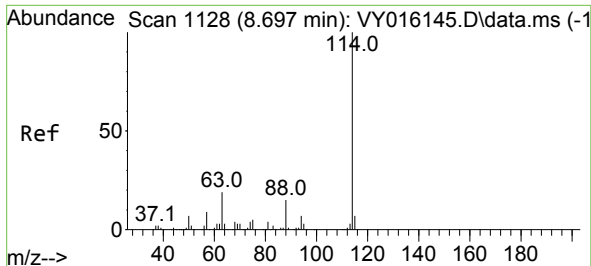
Tgt Ion: 56 Resp: 2585
Ion Ratio Lower Upper
56 100
69 128.3 27.8 41.6#
84 122.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.194 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion: 65 Resp: 70722
Ion Ratio Lower Upper
65 100
67 54.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

Instrument :

MSVOA_Y

ClientSampleId :

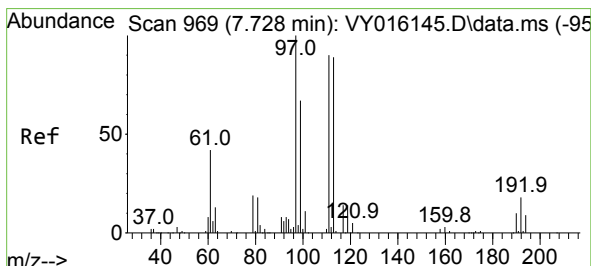
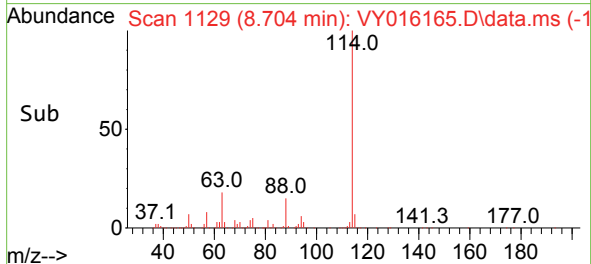
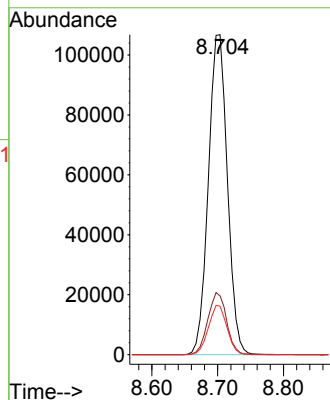
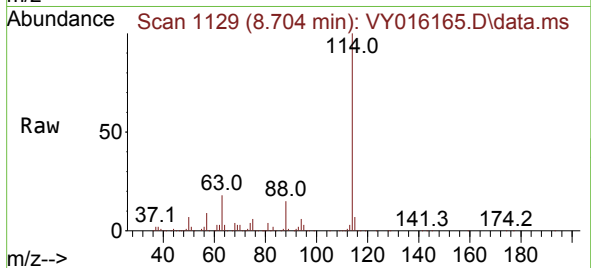
Tgt Ion:114 Resp: 214881

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.285 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

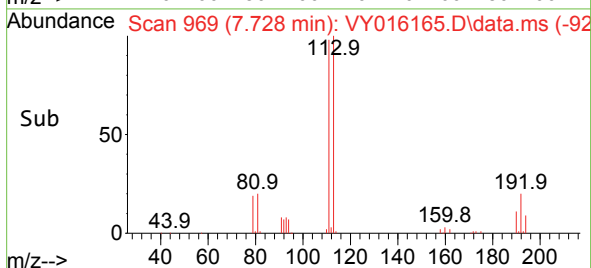
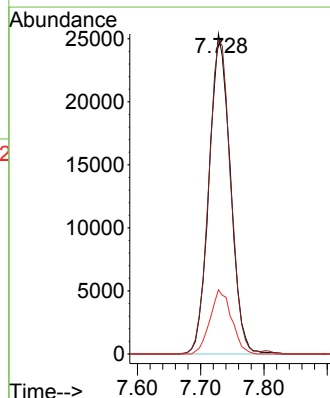
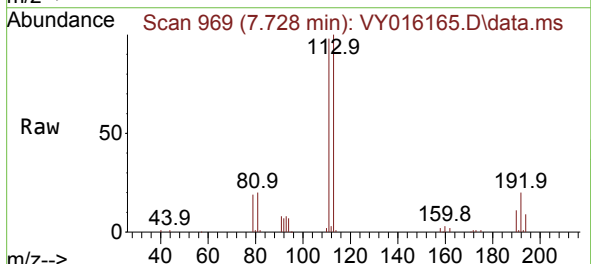
Tgt Ion:113 Resp: 59294

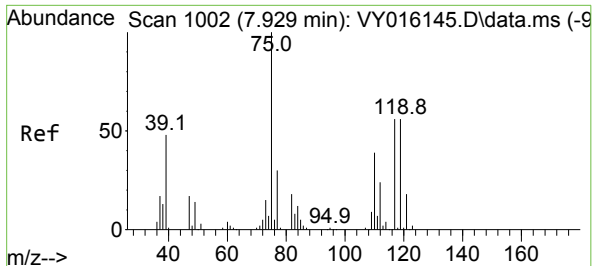
Ion Ratio Lower Upper

113 100

111 100.7 81.3 121.9

192 20.3 16.9 25.3

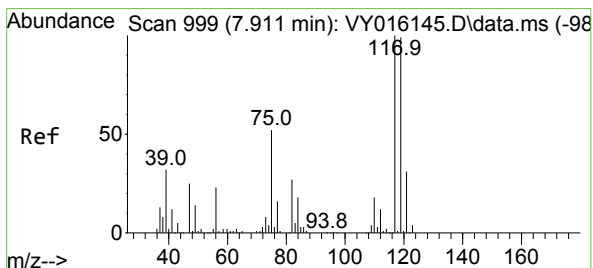
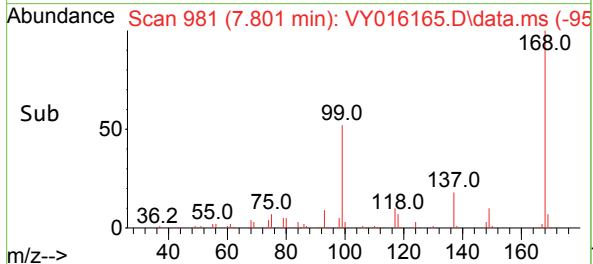
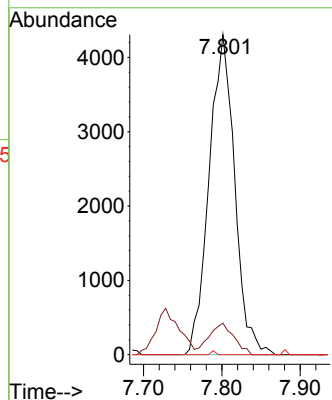
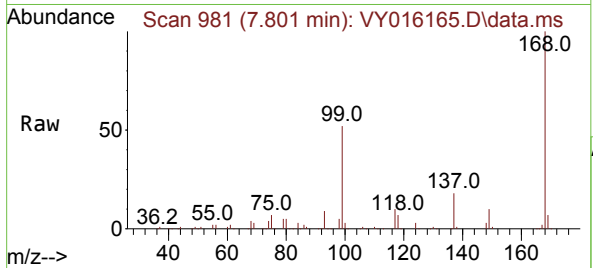




#36
1,1-Dichloropropene
Concen: 5.284 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

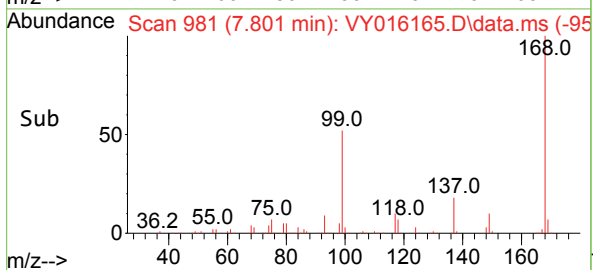
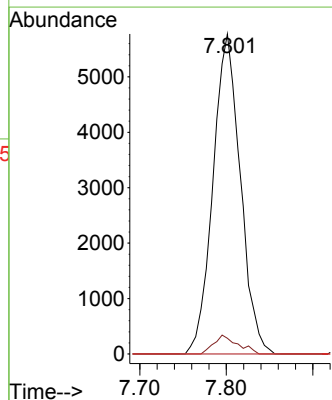
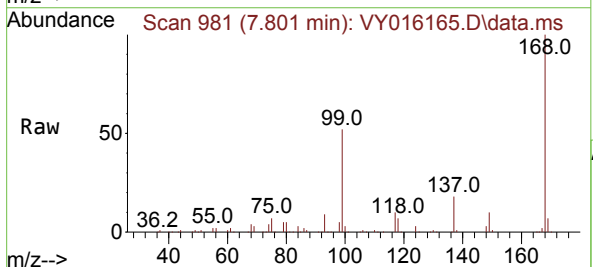
Instrument :
MSVOA_Y
ClientSampleId :

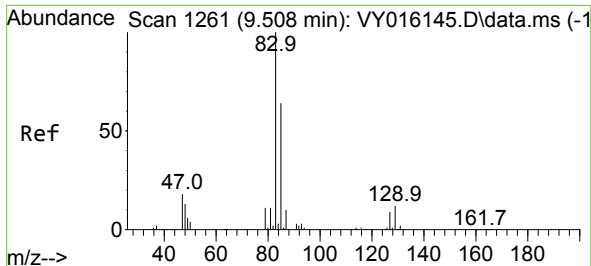
Tgt Ion: 75 Resp: 9774
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.913 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion: 117 Resp: 12670
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#

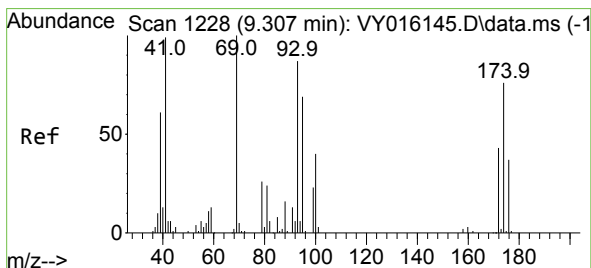
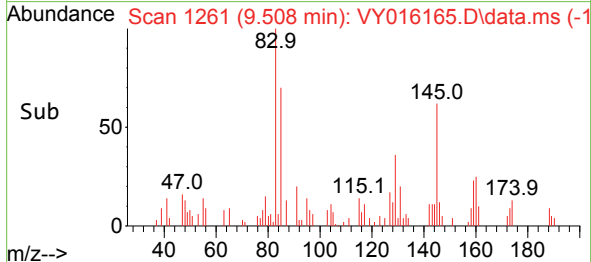
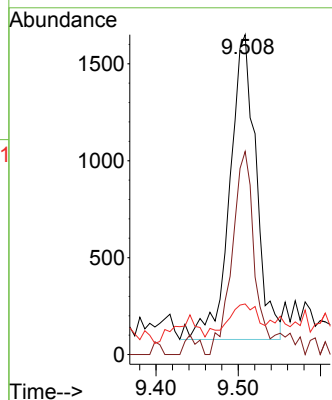
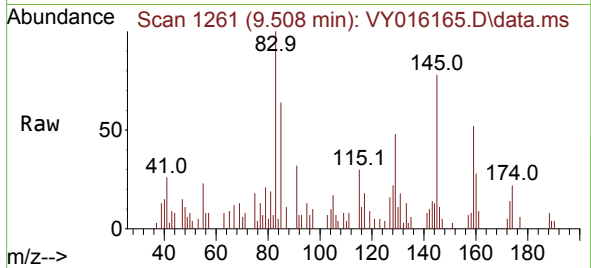




#47
Bromodichloromethane
Concen: 1.911 ug/l
RT: 9.508 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

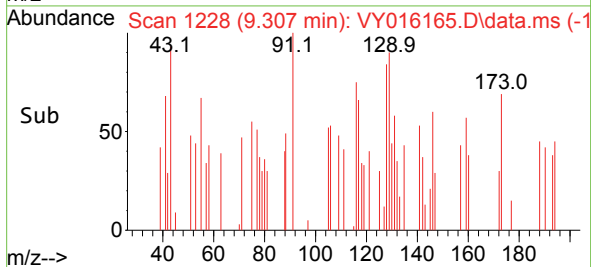
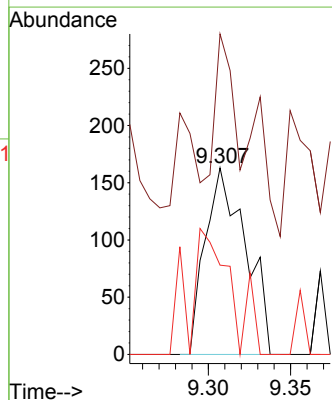
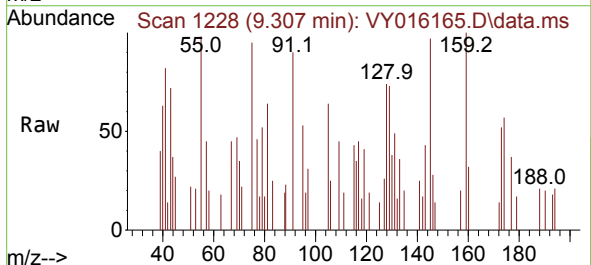
Instrument :
MSVOA_Y
ClientSampleId :

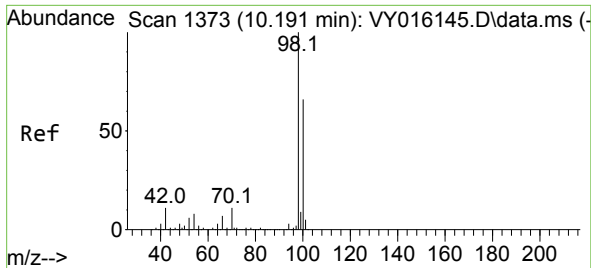
Tgt Ion: 83 Resp: 3519
Ion Ratio Lower Upper
83 100
85 66.7 50.1 75.1
127 7.4 7.1 10.7



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.307 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 88.5 0.0 0.0#
58 69.2 30.9 46.3#

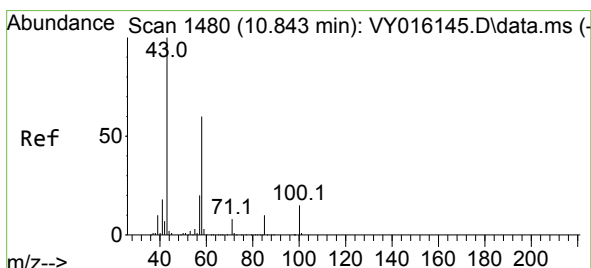
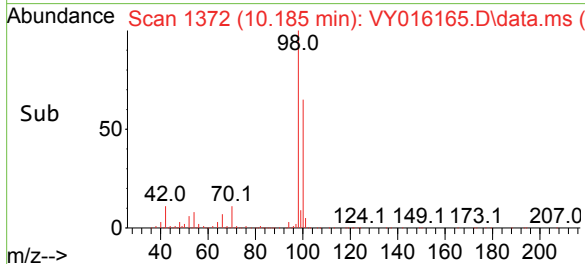
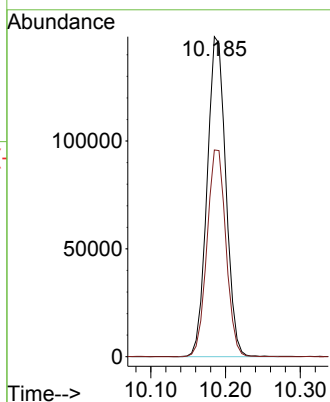
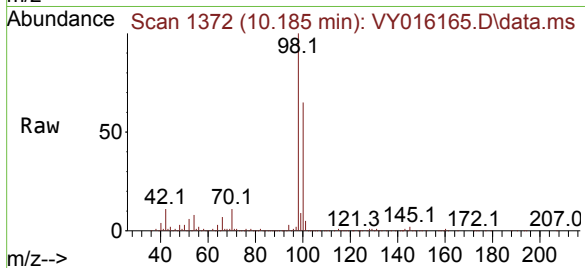




#50
Toluene-d8
Concen: 50.907 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

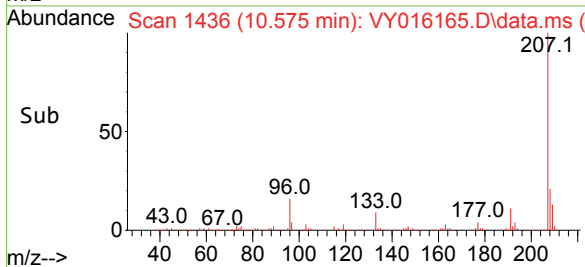
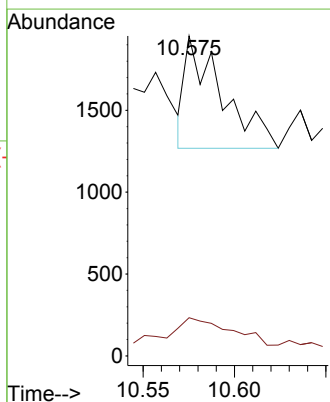
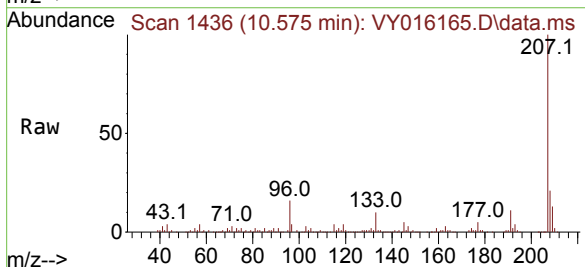
Instrument :
MSVOA_Y
ClientSampleId :

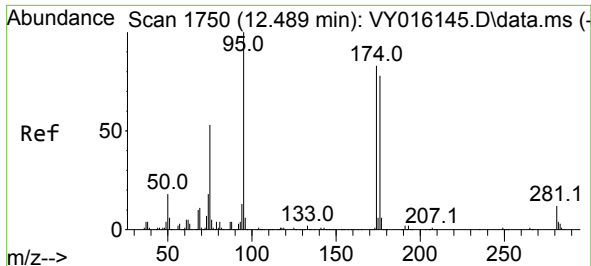
Tgt Ion: 98 Resp: 258563
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#59
2-Hexanone
Concen: 1.735 ug/l
RT: 10.575 min Scan# 1436
Delta R.T. -0.268 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 33.1 25.1 75.3

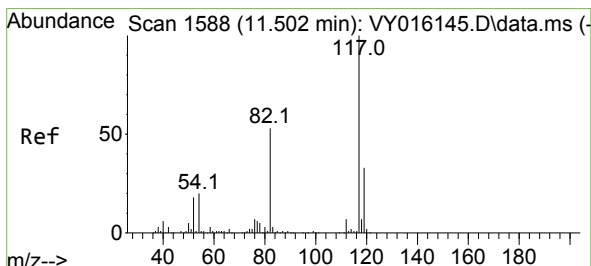
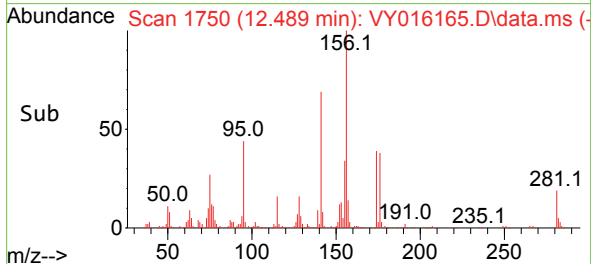
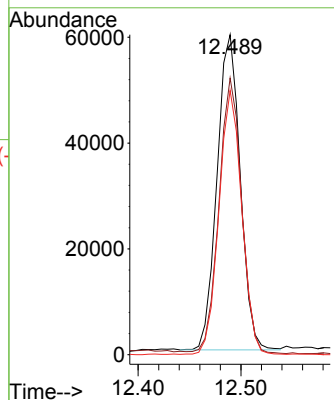
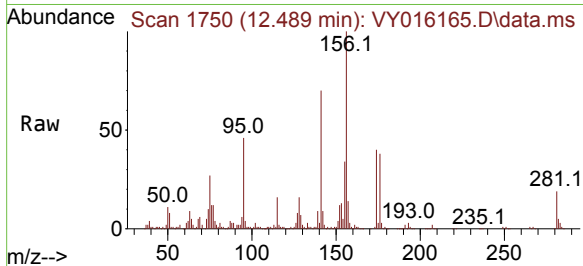




#62
4-Bromofluorobenzene
Concen: 53.608 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

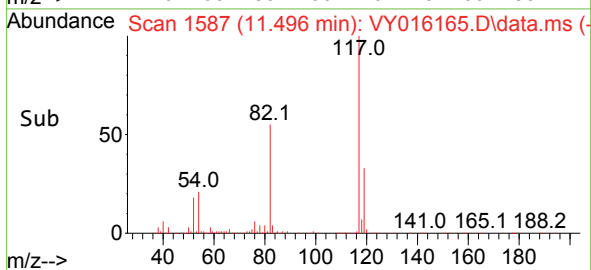
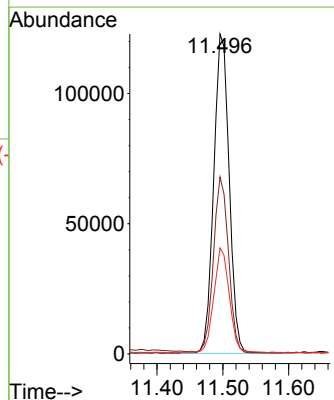
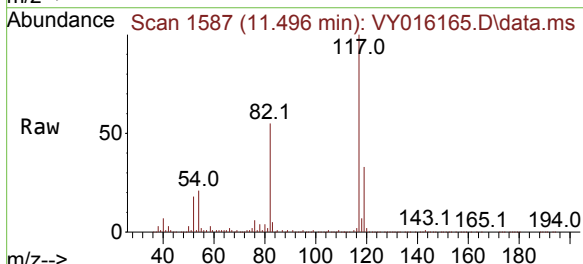
Instrument :
MSVOA_Y
ClientSampleId :

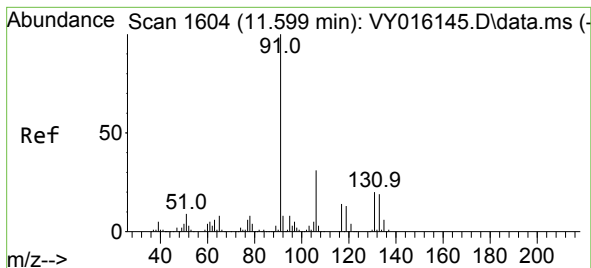
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	178.2
176	82.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016165.D
Acq: 01 Nov 2023 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.4	65.0
119	32.7	26.3	39.5

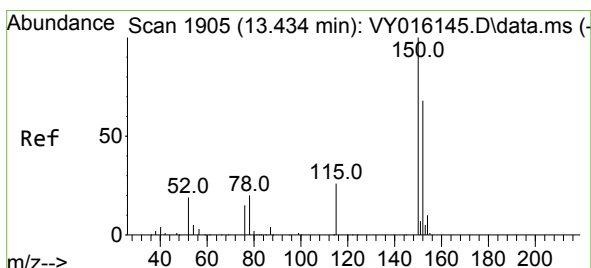
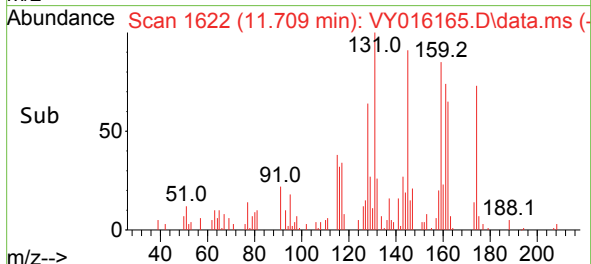
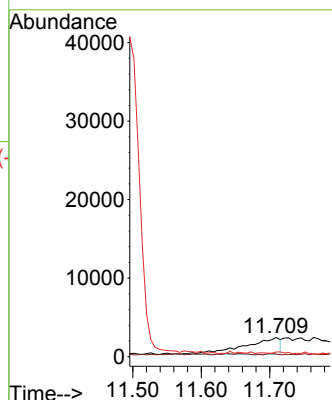
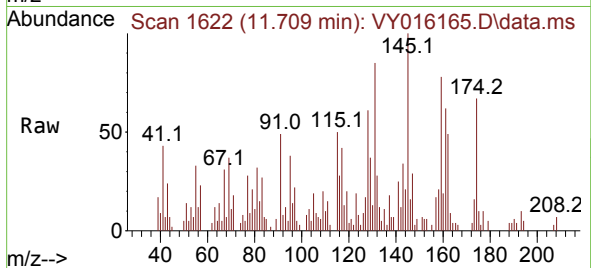




#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.273 ug/l
 RT: 11.709 min Scan# 11709
 Delta R.T. 0.110 min
 Lab File: VY016165.D
 Acq: 01 Nov 2023 13:53

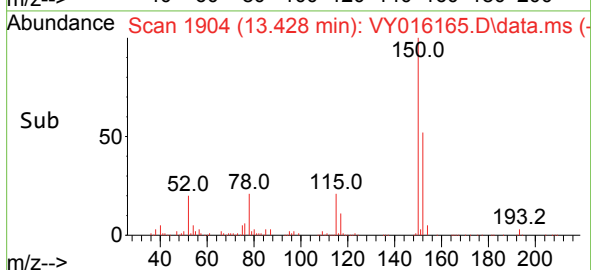
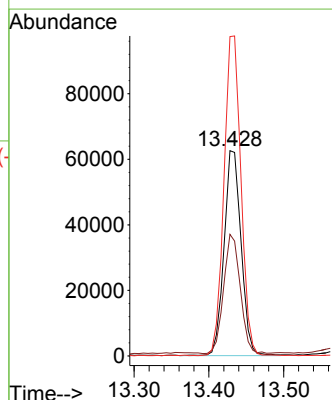
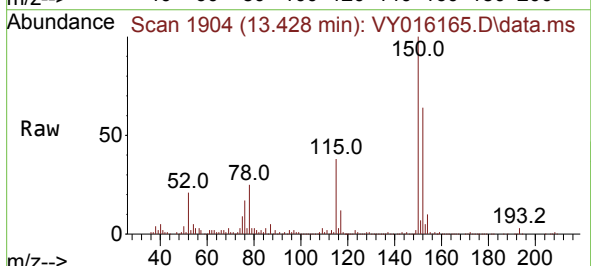
Instrument :
 MSVOA_Y
 ClientSampleId :

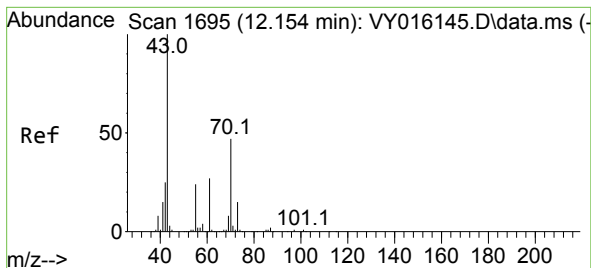
Tgt Ion:131 Resp: 7781
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.5 142.6#
 119 0.0 31.6 94.7#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY016165.D
 Acq: 01 Nov 2023 13:53

Tgt Ion:152 Resp: 99158
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.8 86.5
 150 155.3 0.0 348.8





#74

N-amy1 acetate

Concen: 2.660 ug/l

RT: 12.191 min Scan# 1

Delta R.T. 0.037 min

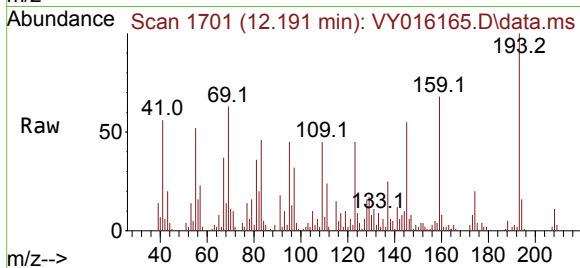
Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 4300

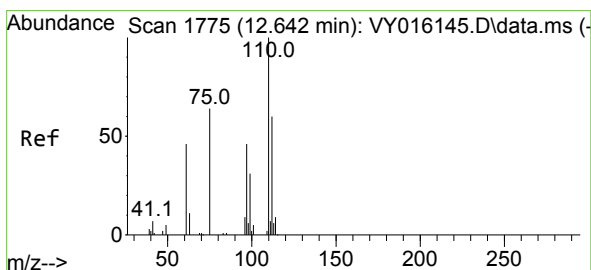
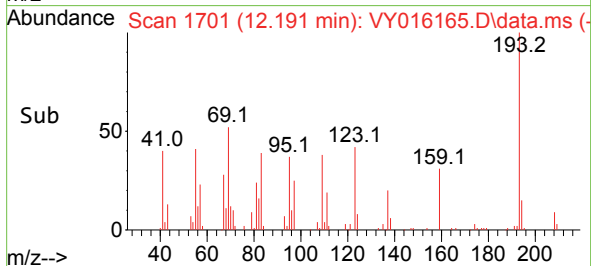
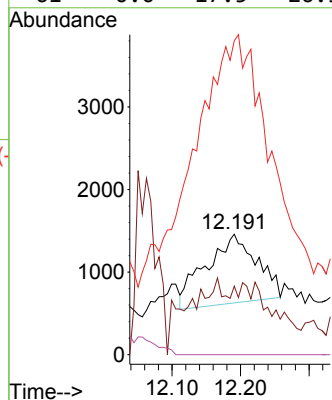
Ion Ratio Lower Upper

43 100

70 0.0 29.7 44.5#

55 538.8 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 70.905 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016165.D

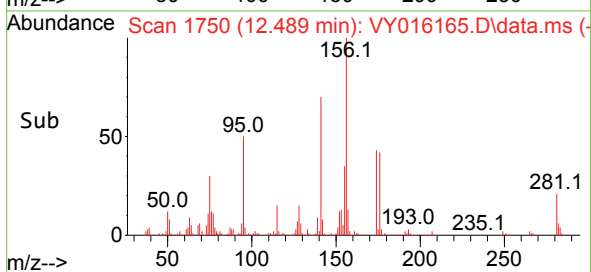
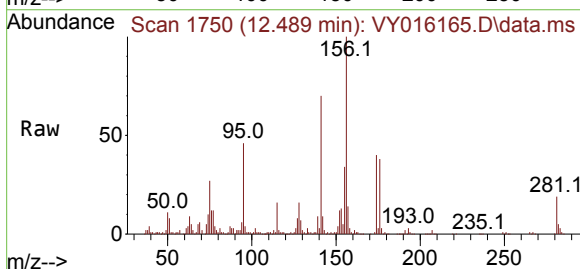
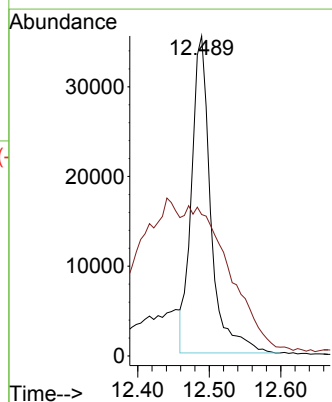
Acq: 01 Nov 2023 13:53

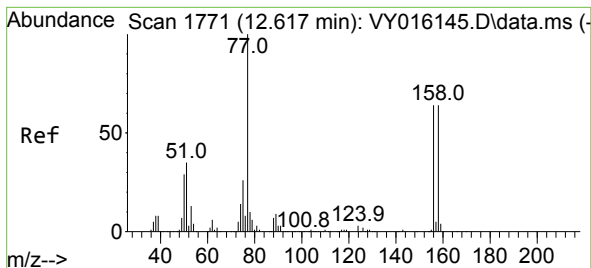
Tgt Ion: 75 Resp: 66210

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 403.014 ug/l

RT: 12.441 min Scan# 1771

Delta R.T. -0.177 min

Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

Instrument :

MSVOA_Y

ClientSampleId :

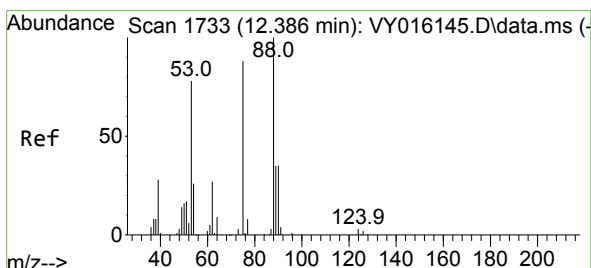
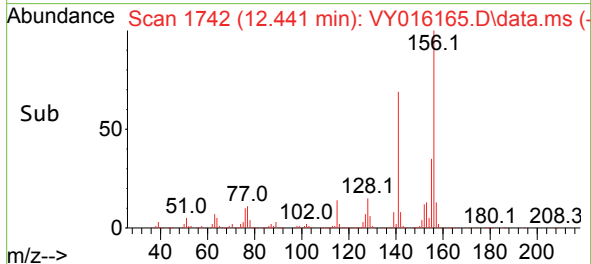
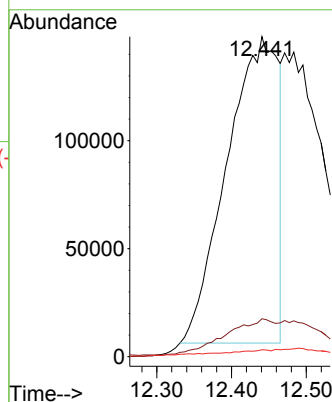
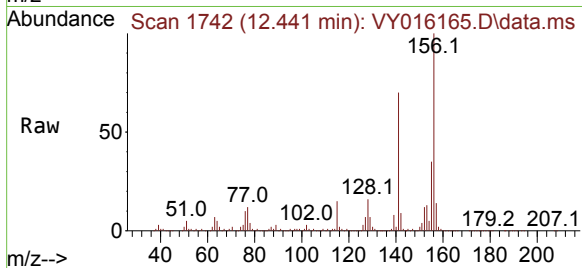
Tgt Ion:156 Resp: 678768

Ion Ratio Lower Upper

156 100

77 9.7 92.8 278.6#

158 1.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 28.688 ug/l

RT: 12.416 min Scan# 1738

Delta R.T. 0.031 min

Lab File: VY016165.D

Acq: 01 Nov 2023 13:53

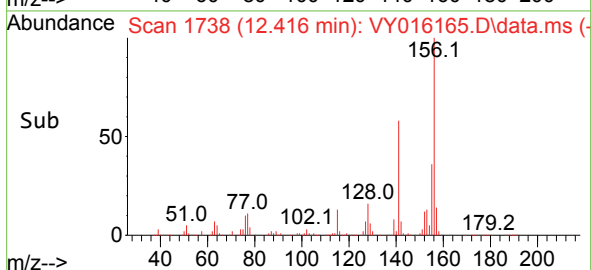
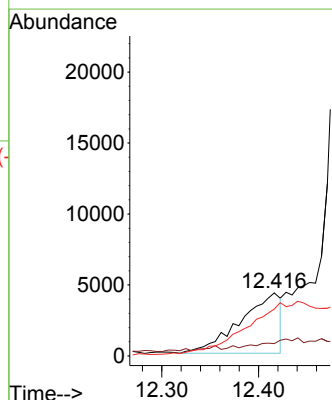
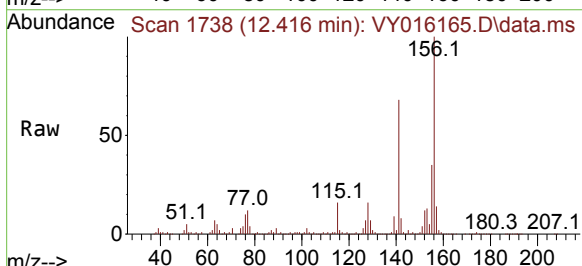
Tgt Ion: 75 Resp: 12355

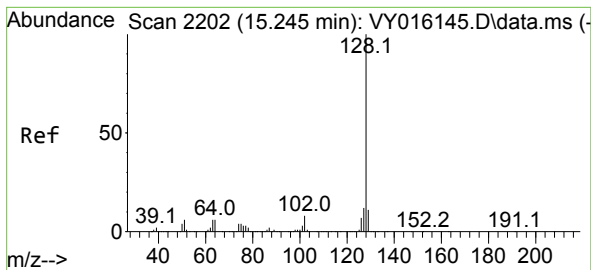
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

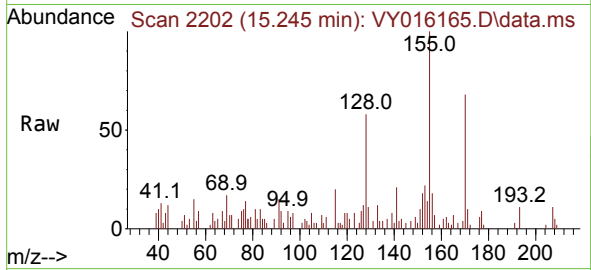
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 1.103 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY016165.D
 Acq: 01 Nov 2023 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 3807
 Ion Ratio Lower Upper
 128 100
 127 27.1 10.8 16.2#
 129 18.4 8.6 13.0#

