

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016231.D
 Acq On : 06 Nov 2023 12:57
 Operator : SY/MD
 Sample : 05234-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 06 23:56:16 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)

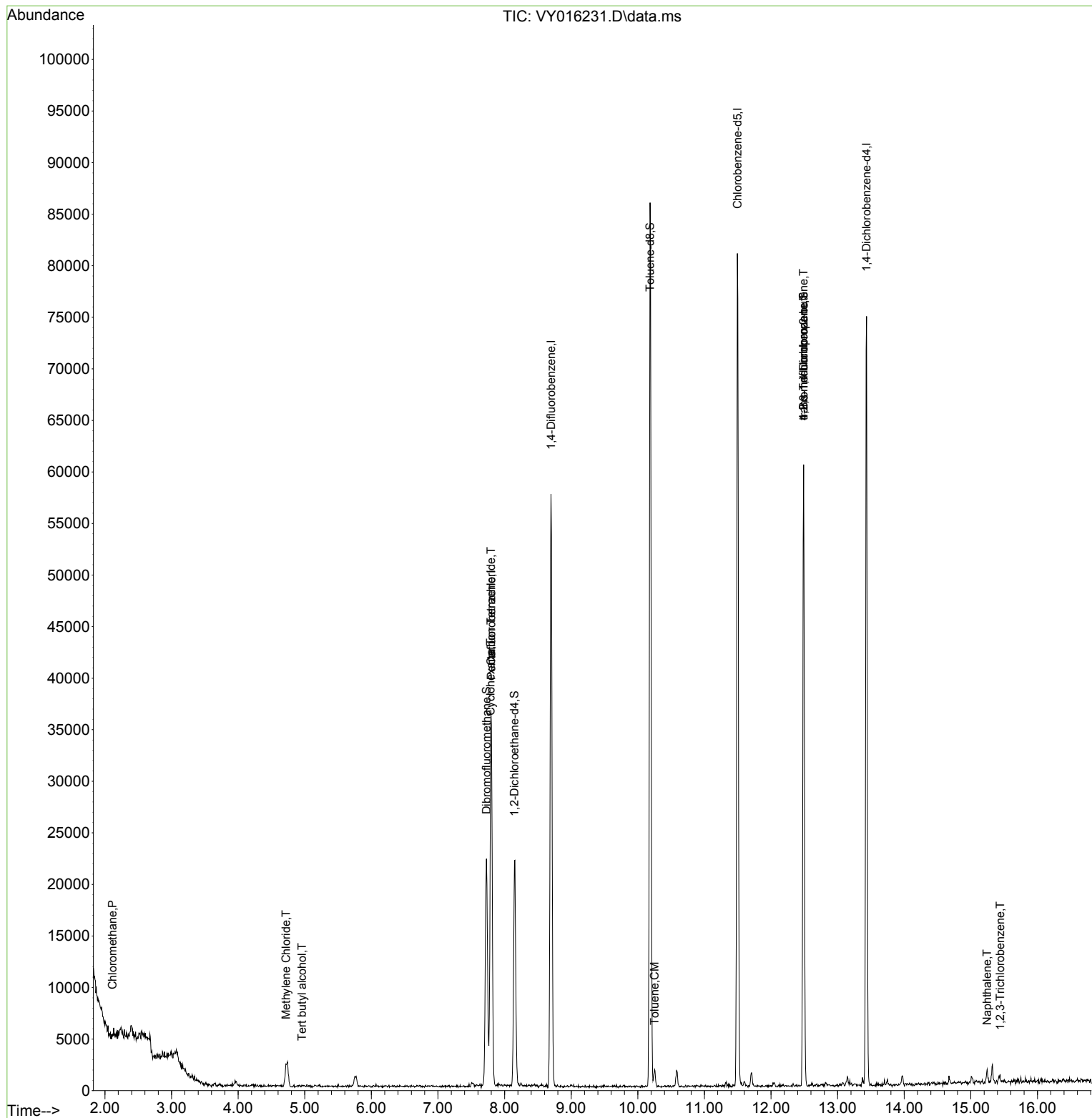
Internal Standards						
1) Pentafluorobenzene	7.801	168	29519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	50785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	46404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	19766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	16555	59.934	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 119.860%		
35) Dibromofluoromethane	7.728	113	15854	52.364	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.720%		
50) Toluene-d8	10.185	98	57965	48.288	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 96.580%		
62) 4-Bromofluorobenzene	12.489	95	18529	45.140	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 90.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	288	1.105	ug/l #	43
11) Tert butyl alcohol	4.960	59	117	5.669	ug/l #	89
13) Acrolein	3.741	56	83	Below Cal	#	14
20) Methylene Chloride	4.716	84	2048	4.519	ug/l #	79
31) Cyclohexane	7.789	56	535	1.260	ug/l #	5
38) Carbon Tetrachloride	7.795	117	2836	6.548	ug/l #	12
52) Toluene	10.252	92	948	1.166	ug/l	83
76) 1,2,3-Trichloropropane	12.489	75	9626	51.714	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	9626	112.128	ug/l #	10
95) Naphthalene	15.245	128	1332	1.936	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.440	180	430	1.422	ug/l #	75

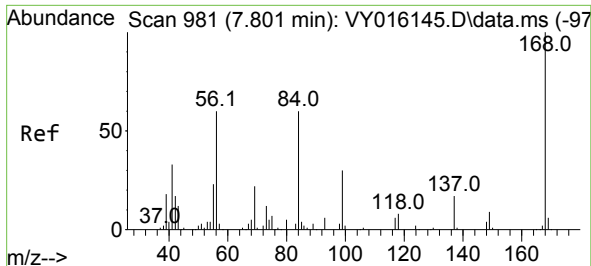
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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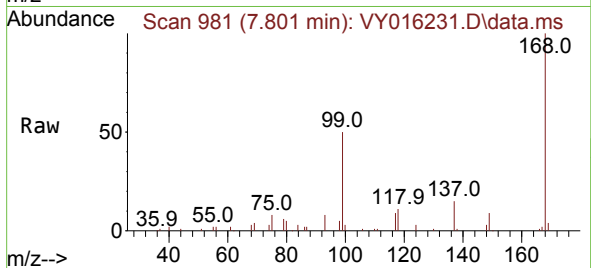
Quant Time: Nov 06 23:56:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



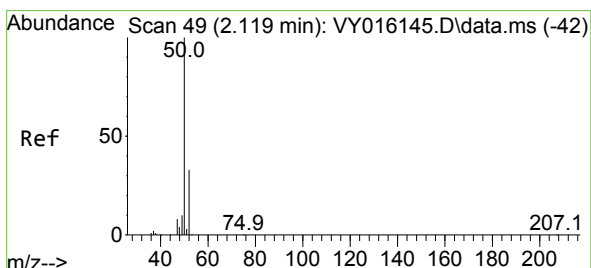
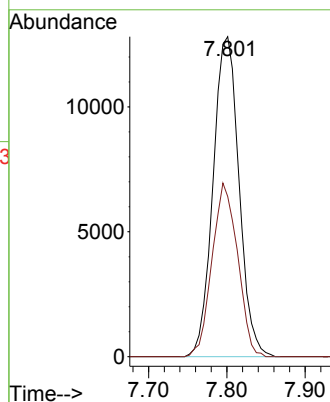
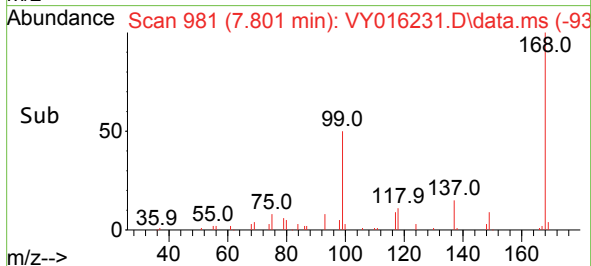


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

Instrument :
MSVOA_Y
ClientSampleId :

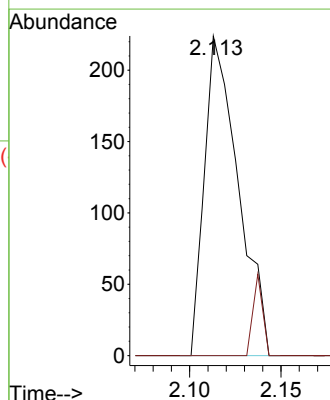
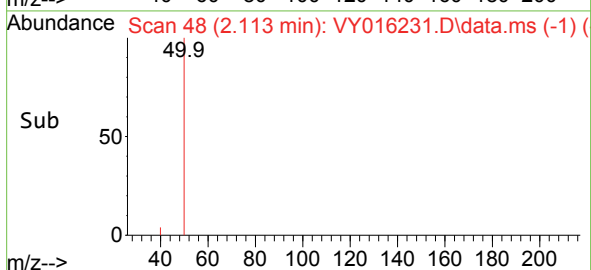
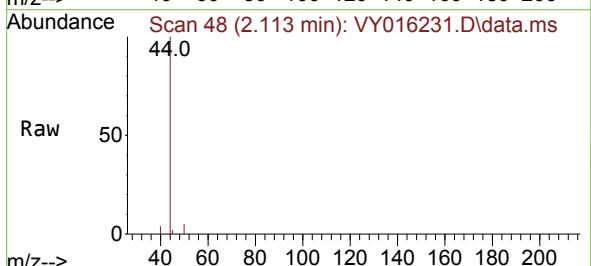


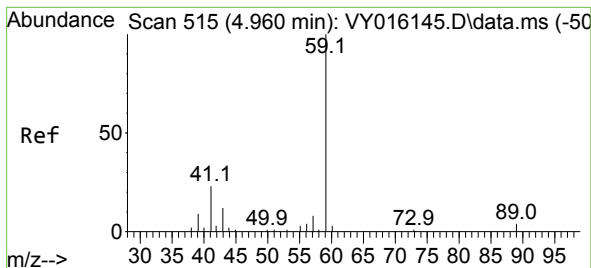
Tgt Ion:168 Resp: 29519
Ion Ratio Lower Upper
168 100
99 50.0 43.4 65.0



#3
Chloromethane
Concen: 1.105 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 5.669 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.000 min

Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

Instrument :

MSVOA_Y

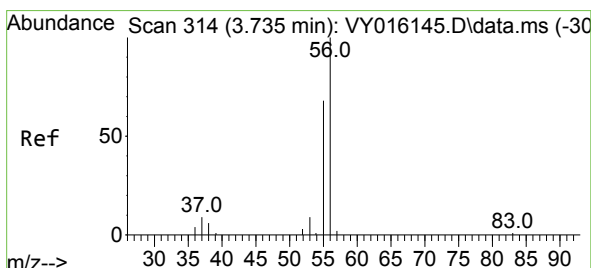
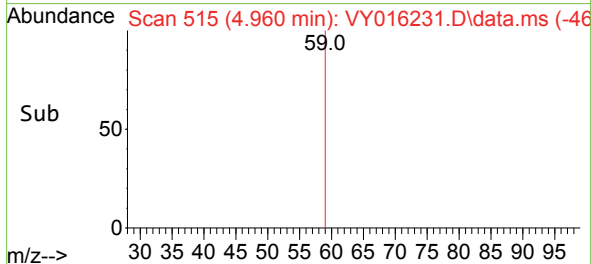
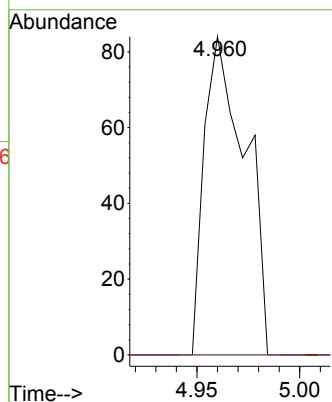
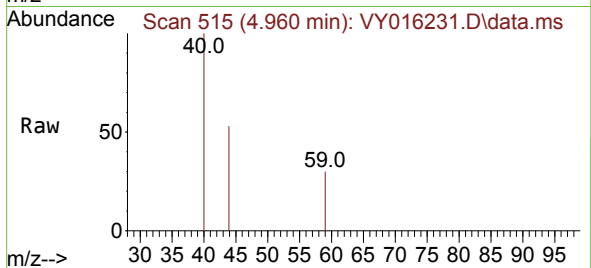
ClientSampleId :

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 315

Delta R.T. 0.006 min

Lab File: VY016231.D

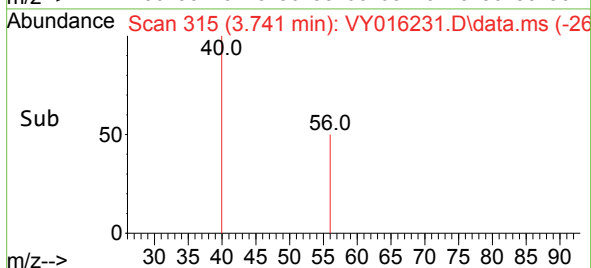
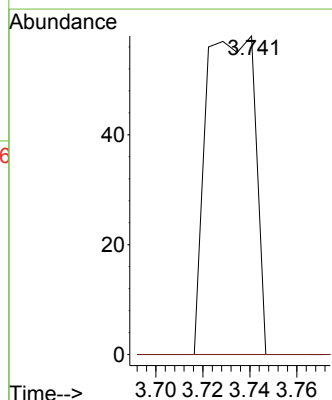
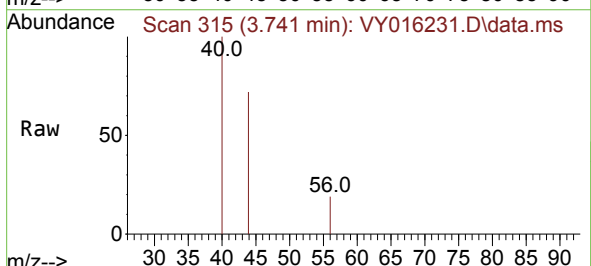
Acq: 06 Nov 2023 12:57

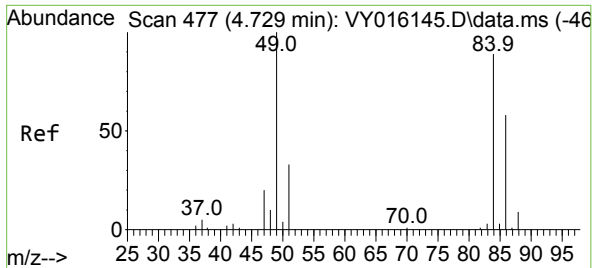
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#

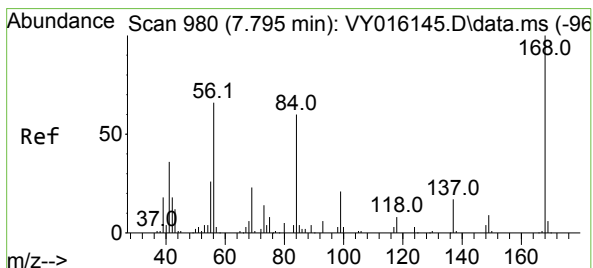
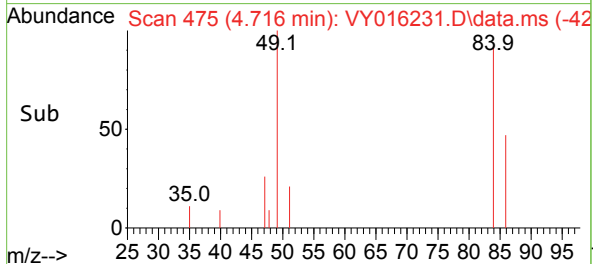
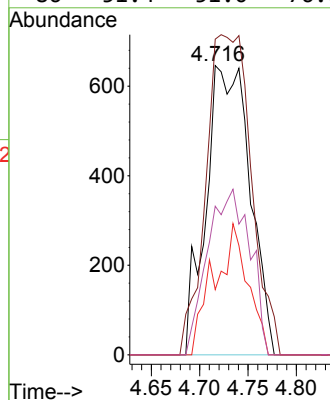
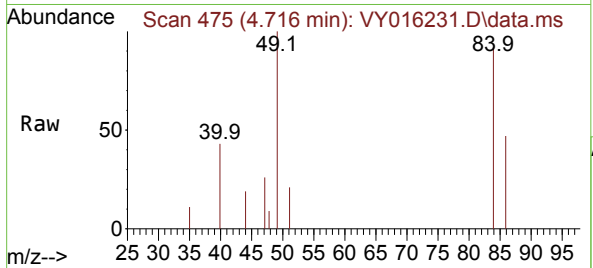




#20
Methylene Chloride
Concen: 4.519 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

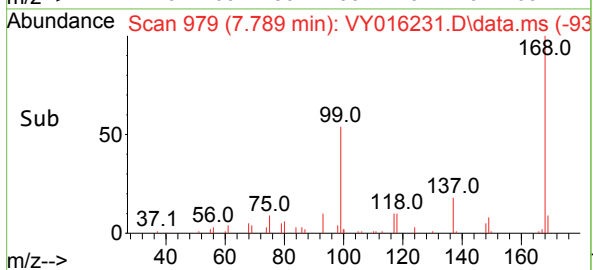
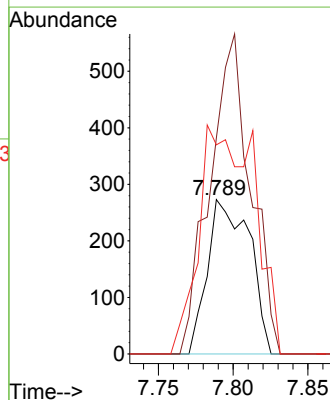
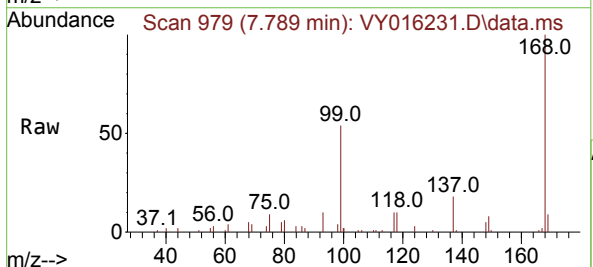
Instrument :
MSVOA_Y
ClientSampleId :

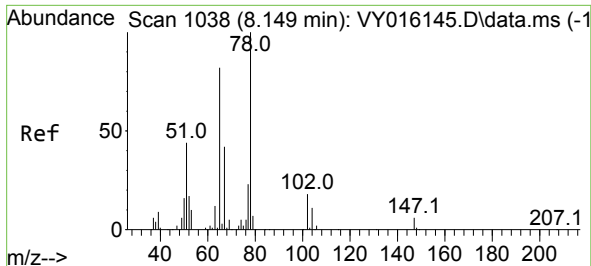
Tgt Ion: 84	Resp: 2048
Ion Ratio	Lower Upper
84 100	
49 109.1	106.9 160.3
51 22.6	33.2 49.8#
86 51.4	51.0 76.6



#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

Tgt Ion: 56	Resp: 535
Ion Ratio	Lower Upper
56 100	
69 139.9	27.8 41.6#
84 135.5	66.4 99.6#

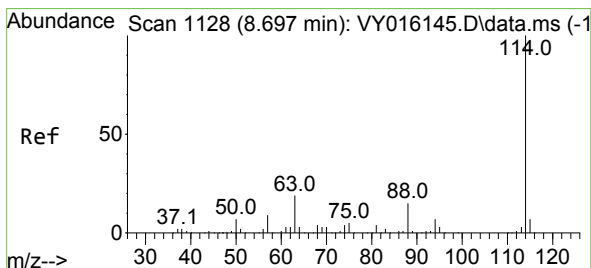
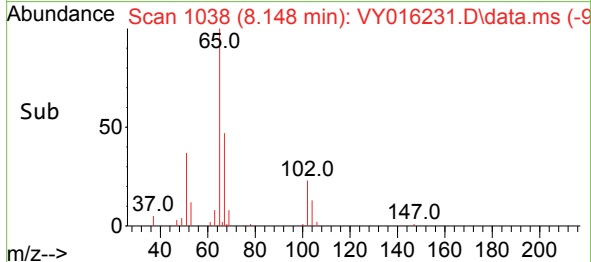
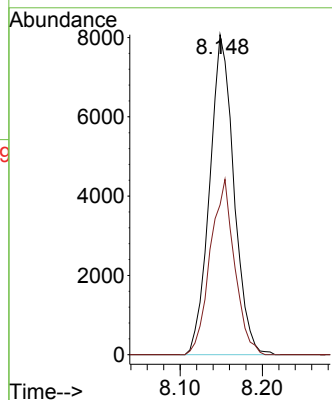
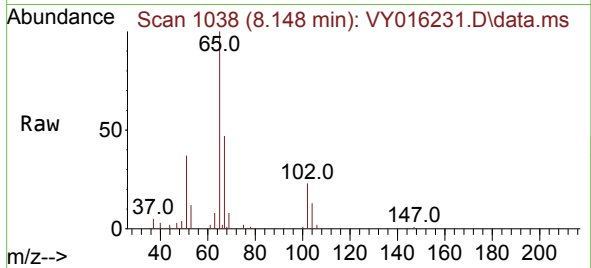




#33
 1,2-Dichloroethane-d4
 Concen: 59.934 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY016231.D
 Acq: 06 Nov 2023 12:57

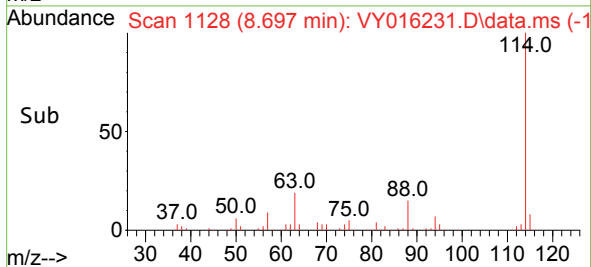
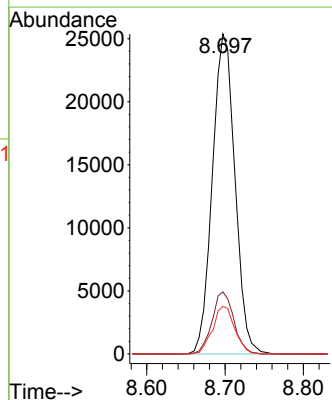
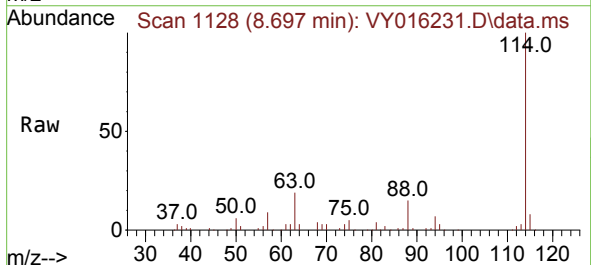
Instrument :
 MSVOA_Y
 ClientSampleId :

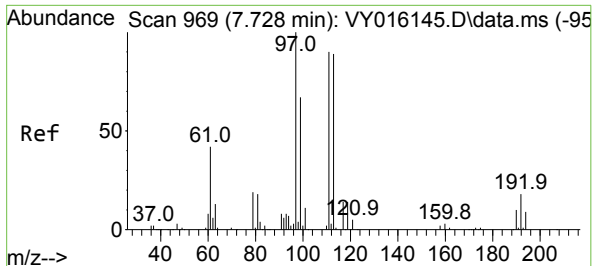
Tgt Ion: 65 Resp: 16555
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY016231.D
 Acq: 06 Nov 2023 12:57

Tgt Ion: 114 Resp: 50785
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.364 ug/l

RT: 7.728 min Scan# 90

Delta R.T. -0.000 min

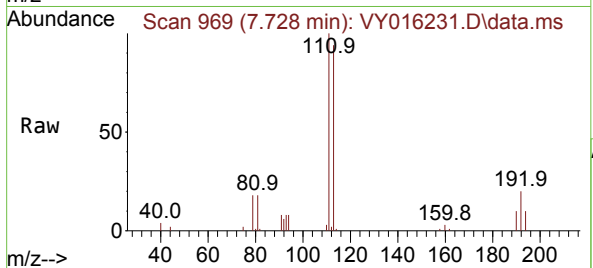
Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :



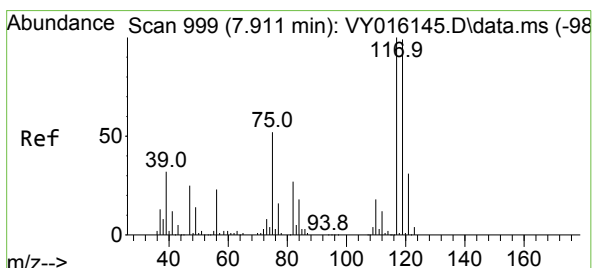
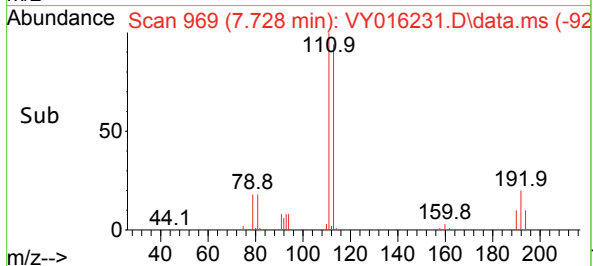
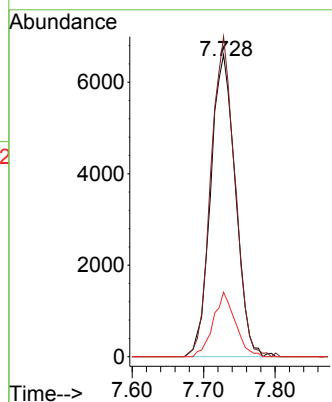
Tgt Ion:113 Resp: 15854

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.1 16.9 25.3



#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

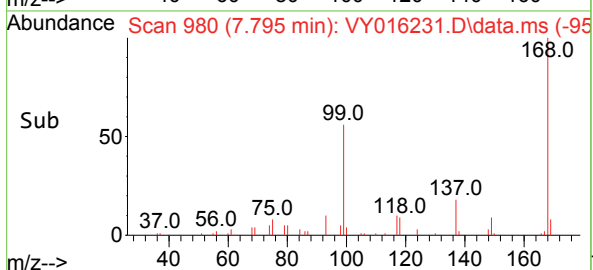
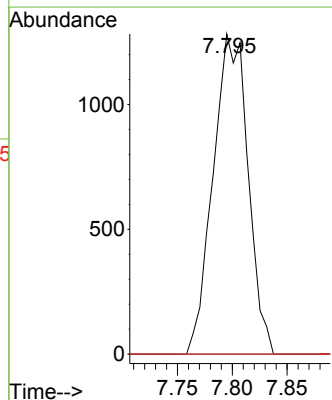
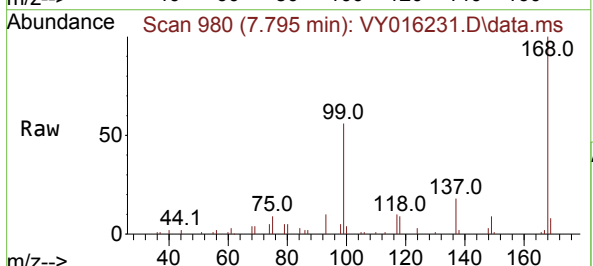
Tgt Ion:117 Resp: 2836

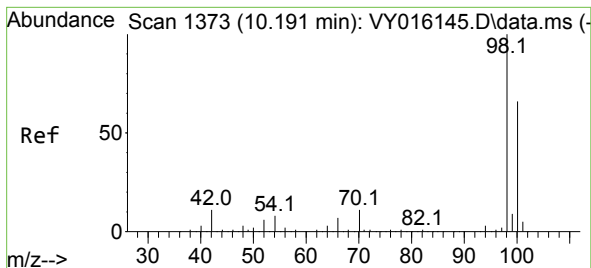
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.288 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

Instrument :

MSVOA_Y

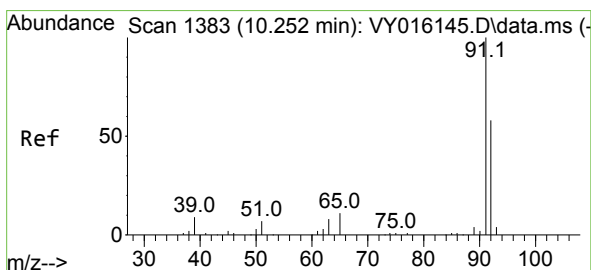
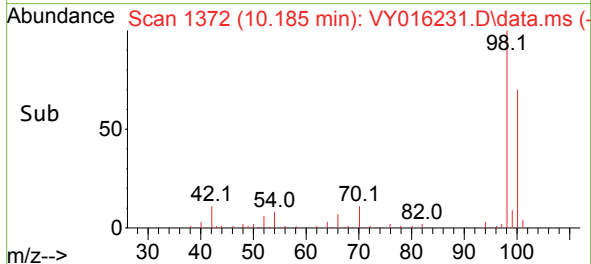
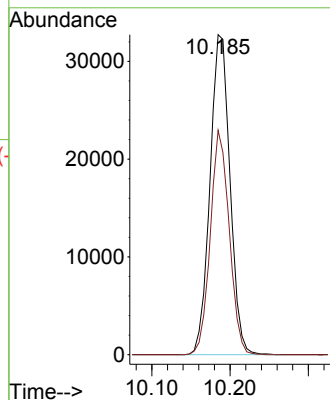
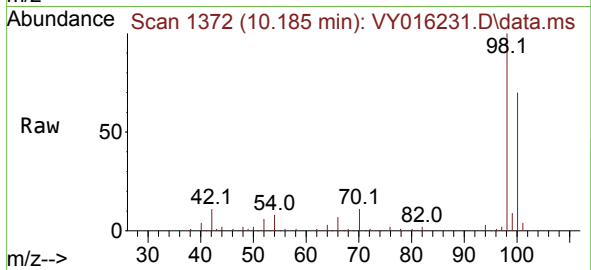
ClientSampleId :

Tgt Ion: 98 Resp: 57965

Ion Ratio Lower Upper

98 100

100 66.4 50.1 75.1



#52

Toluene

Concen: 1.166 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016231.D

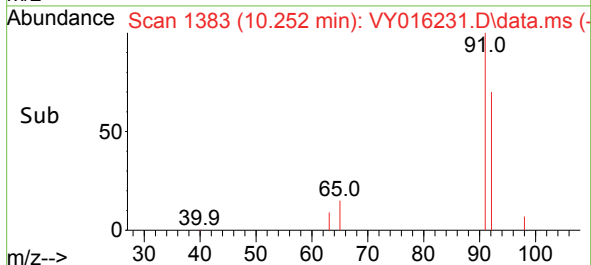
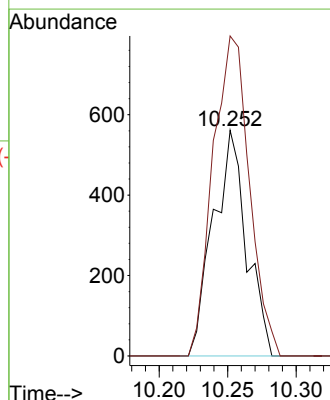
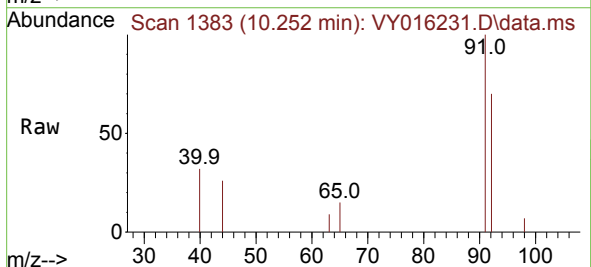
Acq: 06 Nov 2023 12:57

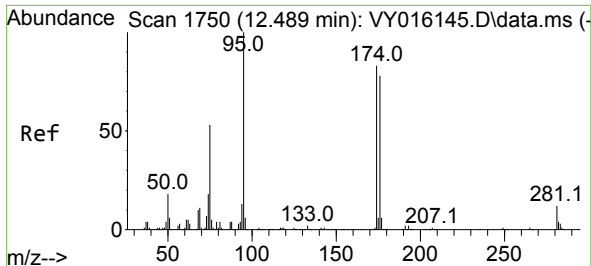
Tgt Ion: 92 Resp: 948

Ion Ratio Lower Upper

92 100

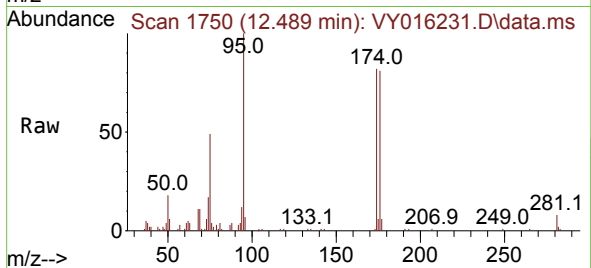
91 155.5 143.8 215.6



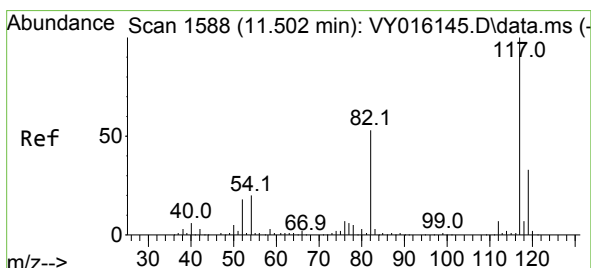
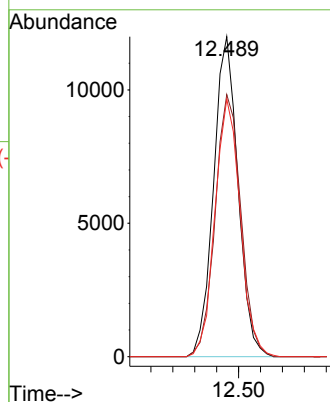
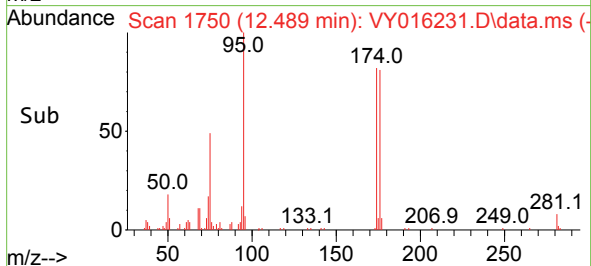


#62
4-Bromofluorobenzene
Concen: 45.140 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

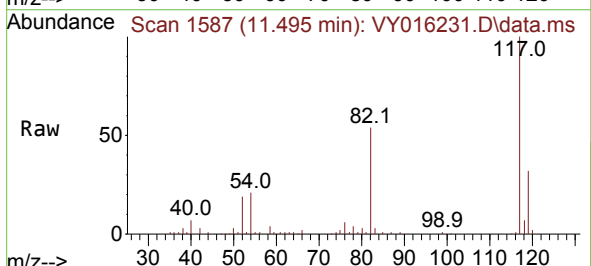
Instrument :
MSVOA_Y
ClientSampleId :



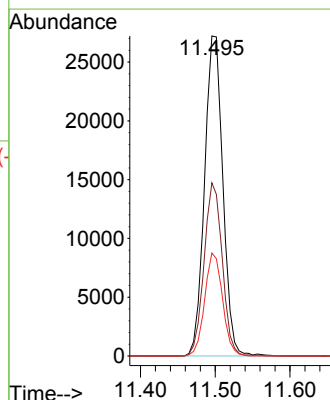
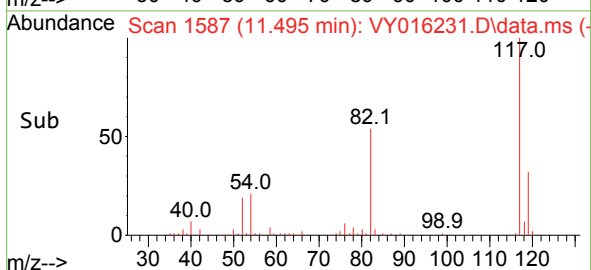
Tgt Ion: 95 Resp: 18529
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 83.3 0.0 173.8

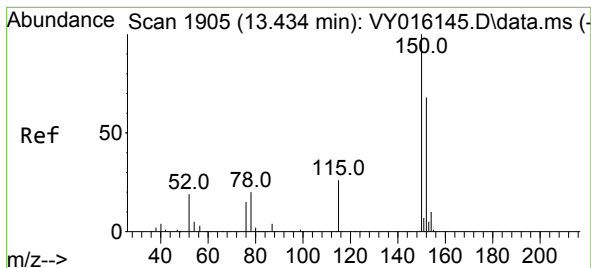


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57



Tgt Ion: 117 Resp: 46404
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

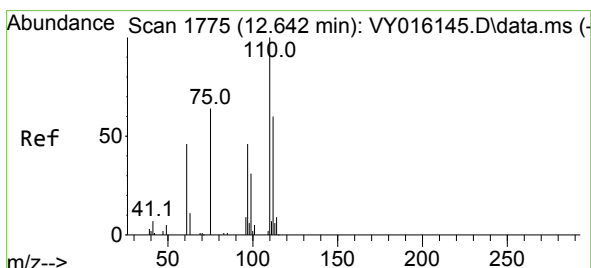
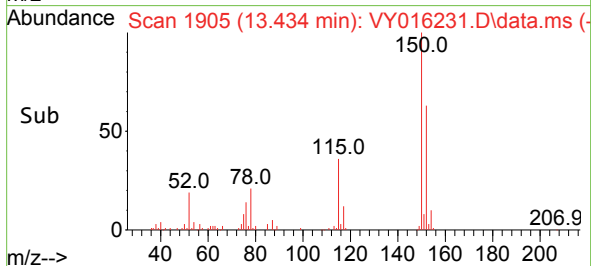
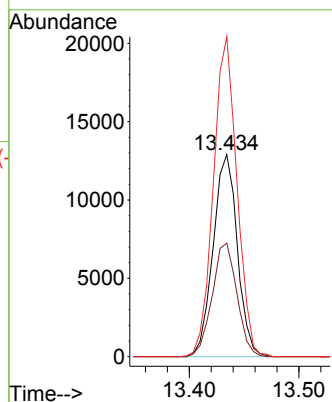
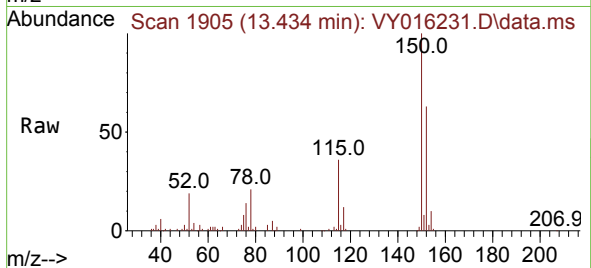
Tgt Ion:152 Resp: 19766

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 154.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 51.714 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016231.D

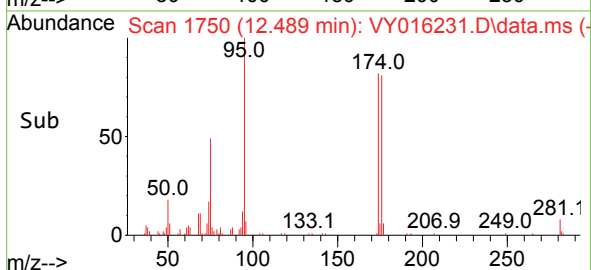
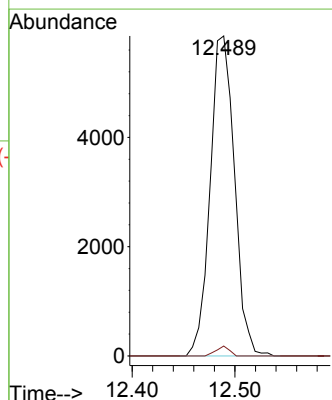
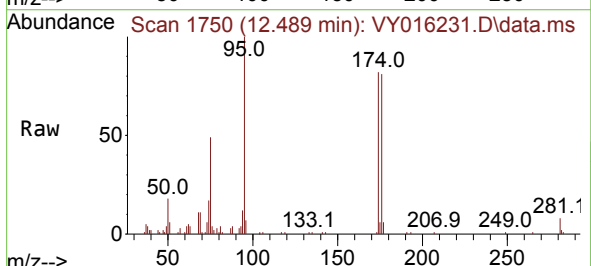
Acq: 06 Nov 2023 12:57

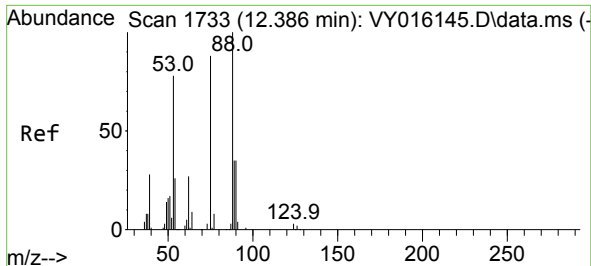
Tgt Ion: 75 Resp: 9626

Ion Ratio Lower Upper

75 100

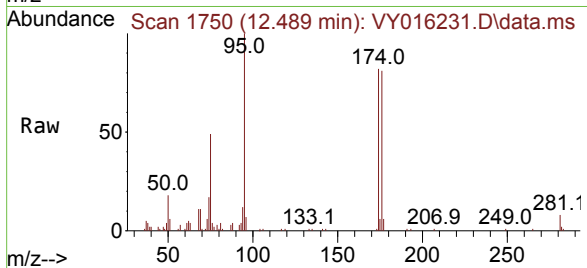
77 1.7 0.0 0.0#



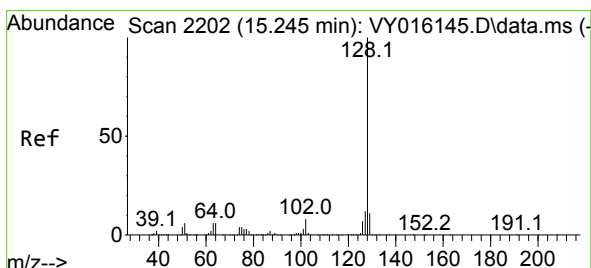
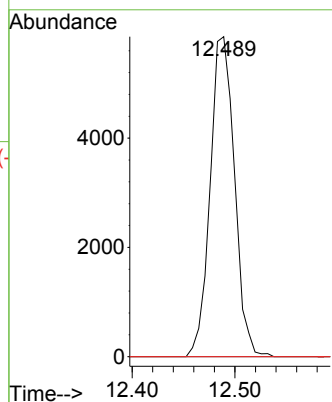
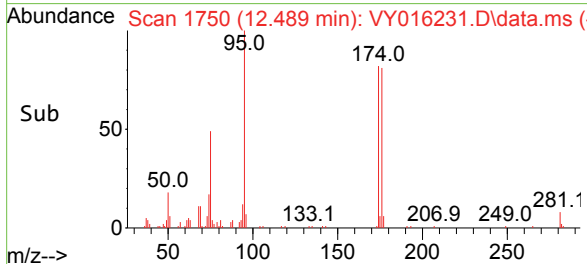


#81
trans-1,4-Dichloro-2-butene
Concen: 112.128 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57

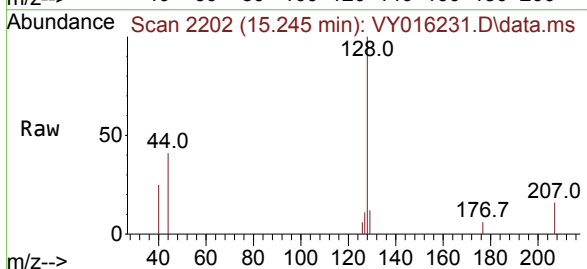
Instrument :
MSVOA_Y
ClientSampleId :



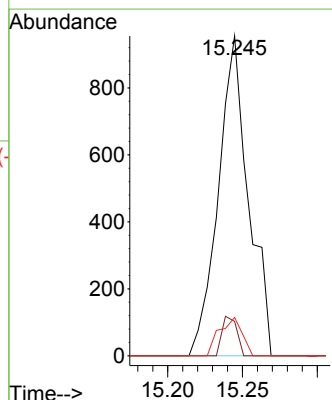
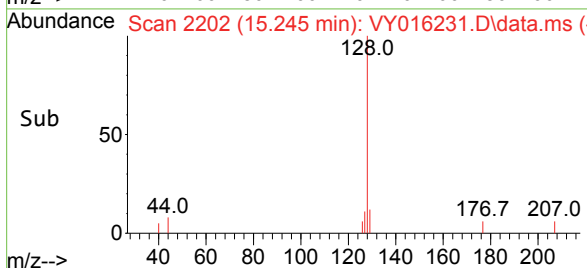
Tgt Ion: 75 Resp: 9626
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

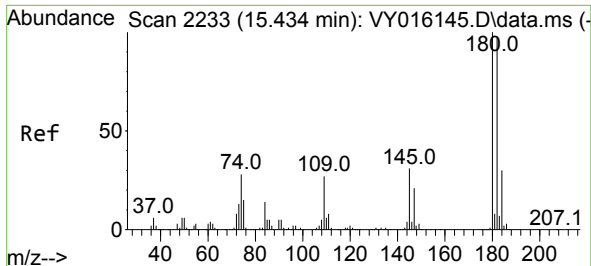


#95
Naphthalene
Concen: 1.936 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016231.D
Acq: 06 Nov 2023 12:57



Tgt Ion: 128 Resp: 1332
Ion Ratio Lower Upper
128 100
127 6.1 10.8 16.2#
129 9.1 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.422 ug/l

RT: 15.440 min Scan# 21

Delta R.T. 0.006 min

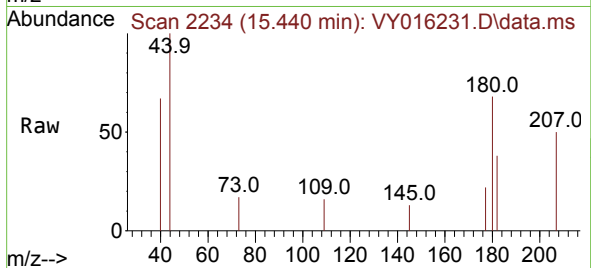
Lab File: VY016231.D

Acq: 06 Nov 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 430

Ion Ratio Lower Upper

180 100

182 73.3 47.3 141.8

145 10.9 15.4 46.2#

