

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016705.D
 Acq On : 19 Dec 2023 20:03
 Operator : SY/MD
 Sample : 05796-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:39:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

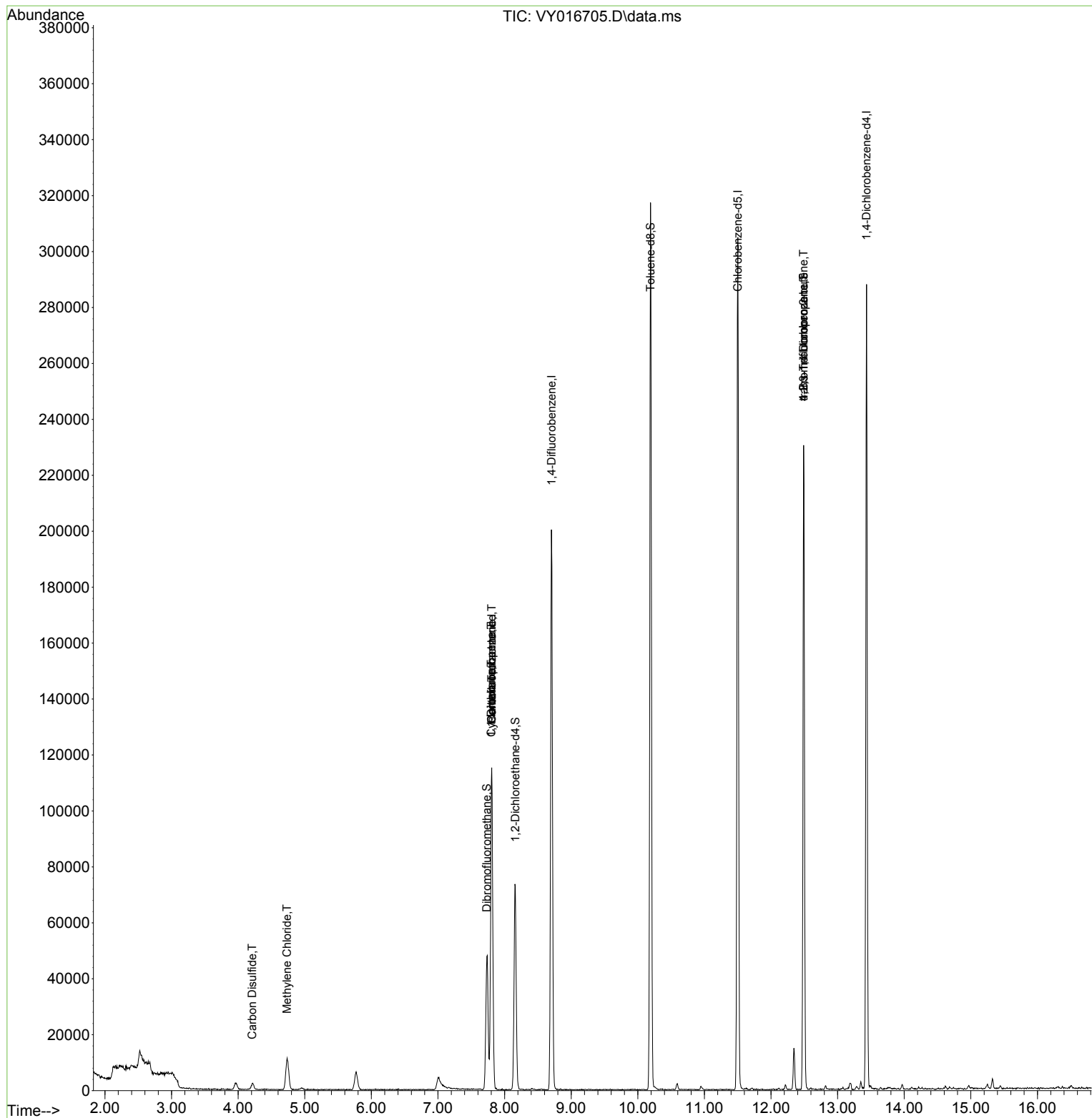
Internal Standards						
1) Pentafluorobenzene	7.807	168	93797	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	170717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	167660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	72108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	57289	73.842	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.680%	
35) Dibromofluoromethane	7.734	113	33569	33.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 66.780%	
50) Toluene-d8	10.191	98	207665	57.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.060%	
62) 4-Bromofluorobenzene	12.489	95	59899	57.854	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	350	Below Cal	#	41
11) Tert butyl alcohol	4.954	59	533	Below Cal	#	73
16) Acetone	3.954	43	4314	Below Cal		90
17) Carbon Disulfide	4.210	76	4071	1.947	ug/l #	81
20) Methylene Chloride	4.735	84	8886	5.972	ug/l	92
25) 2-Butanone	7.009	43	951	Below Cal	#	81
31) Cyclohexane	7.801	56	1926	1.517	ug/l #	12
36) 1,1-Dichloropropene	7.801	75	6960	4.576	ug/l #	47
38) Carbon Tetrachloride	7.807	117	8581	5.229	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	34326	54.763	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34326	125.649	ug/l #	18

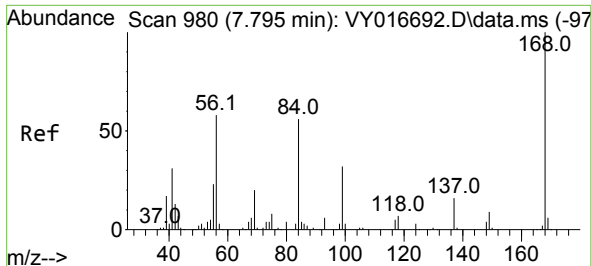
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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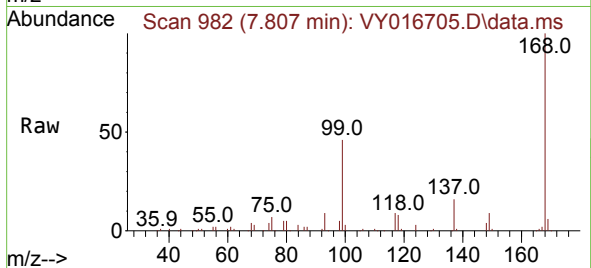
Quant Time: Dec 20 06:39:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
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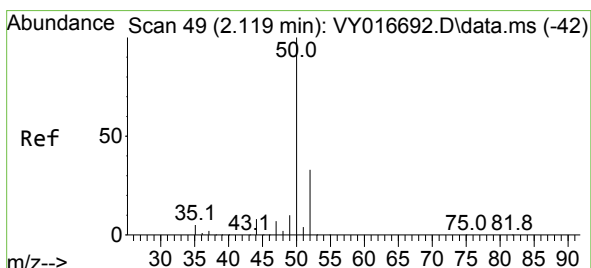
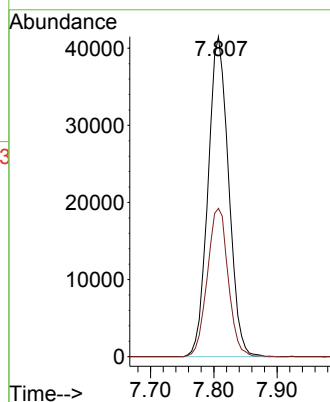
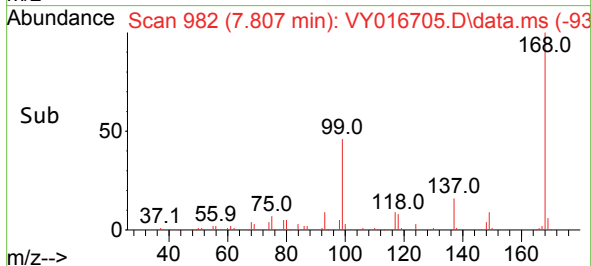


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

Instrument :
MSVOA_Y
ClientSampleId :

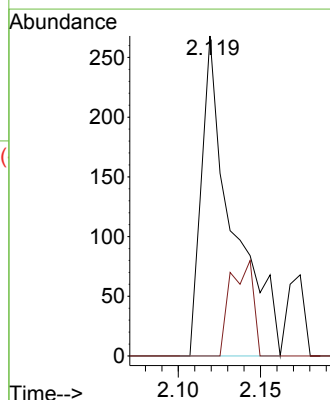
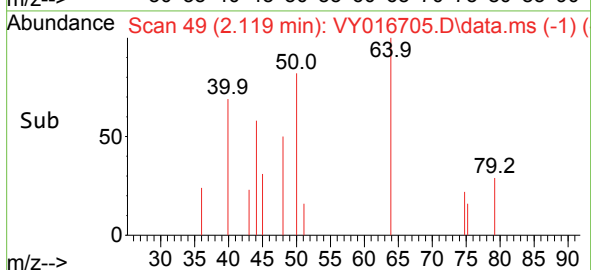
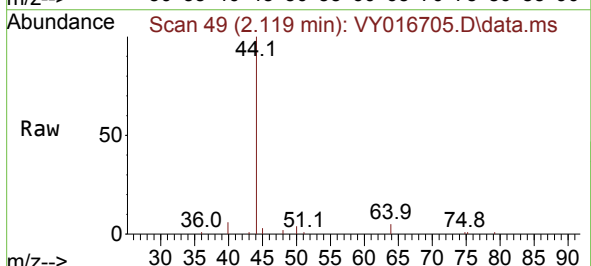


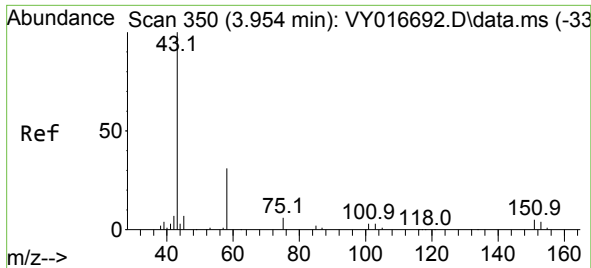
Tgt Ion:168 Resp: 93797
Ion Ratio Lower Upper
168 100
99 46.3 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

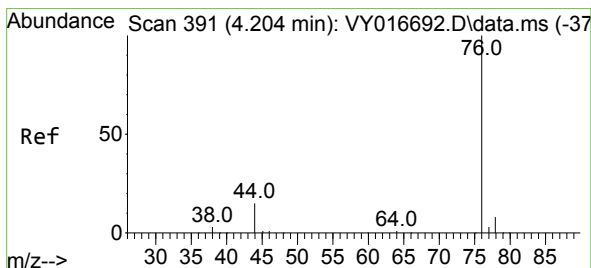
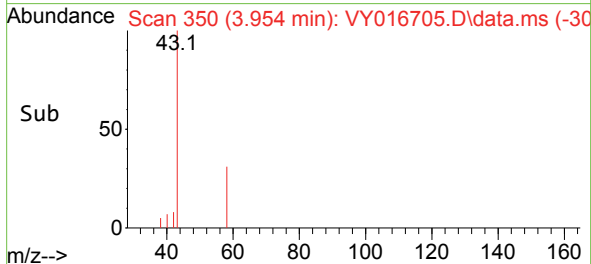
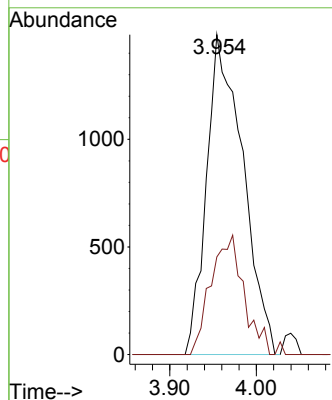
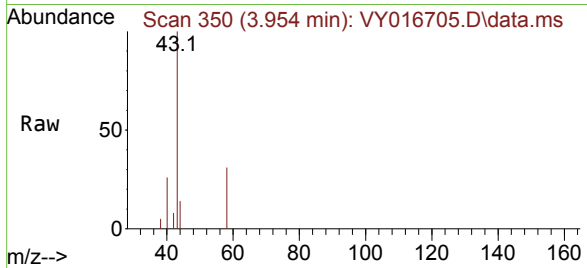
ClientSampleId :

Tgt Ion: 43 Resp: 4314

Ion Ratio Lower Upper

43 100

58 30.6 29.0 43.4



#17

Carbon Disulfide

Concen: 1.947 ug/l

RT: 4.210 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY016705.D

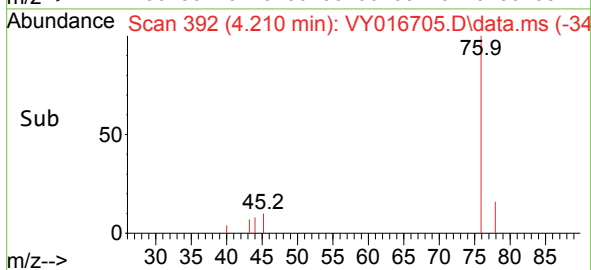
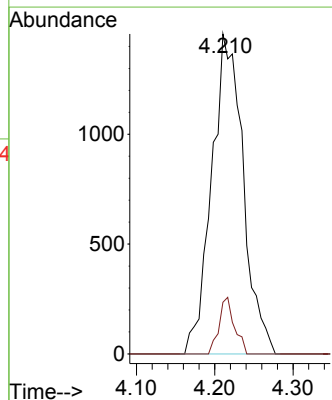
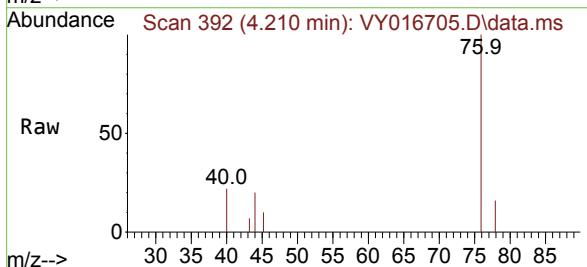
Acq: 19 Dec 2023 20:03

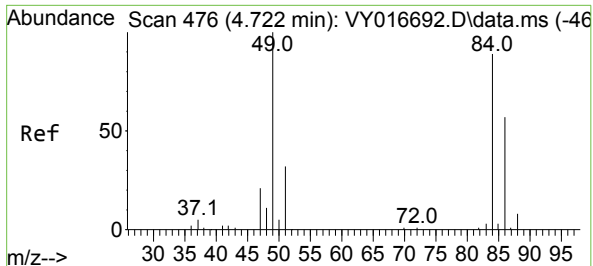
Tgt Ion: 76 Resp: 4071

Ion Ratio Lower Upper

76 100

78 16.1 7.3 10.9#





#20

Methylene Chloride

Concen: 5.972 ug/l

RT: 4.735 min Scan# 41

Delta R.T. 0.013 min

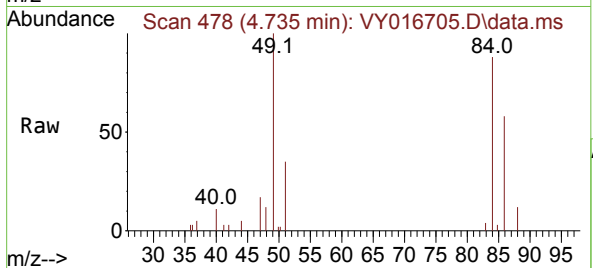
Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8886

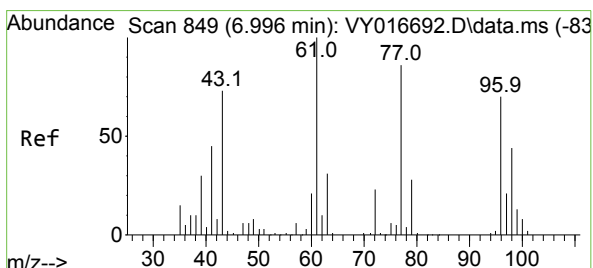
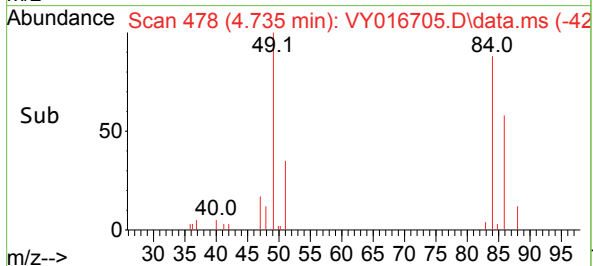
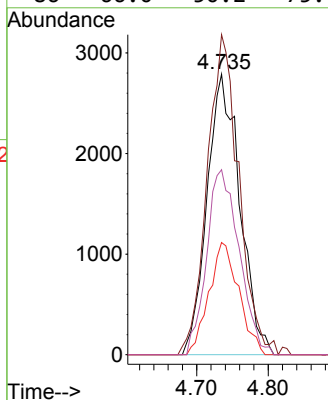
Ion Ratio Lower Upper

84 100

49 114.1 83.8 125.8

51 40.0 27.2 40.8

86 66.0 50.2 75.4



#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY016705.D

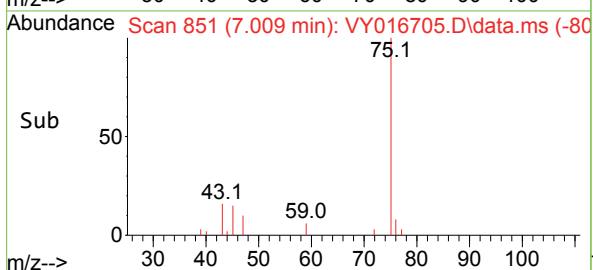
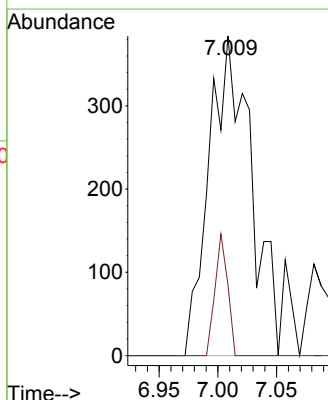
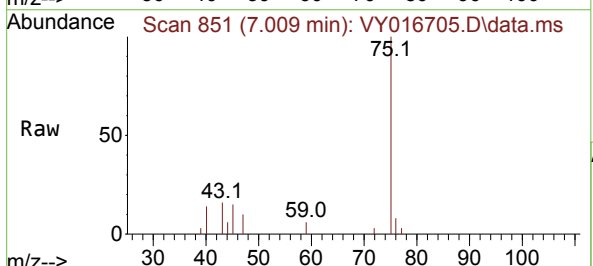
Acq: 19 Dec 2023 20:03

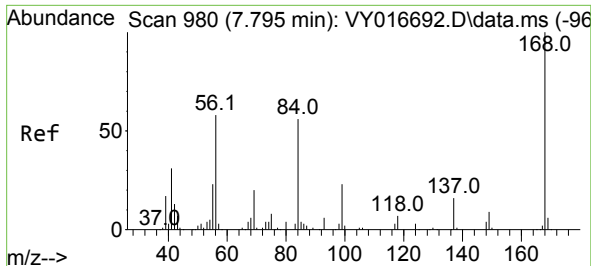
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

72 22.1 26.3 39.5#

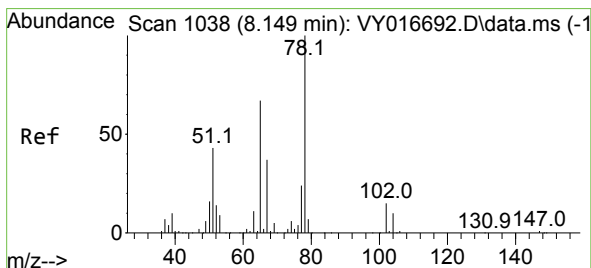
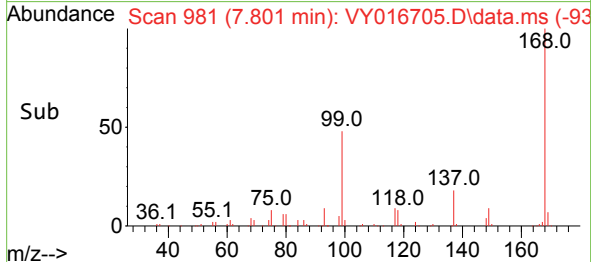
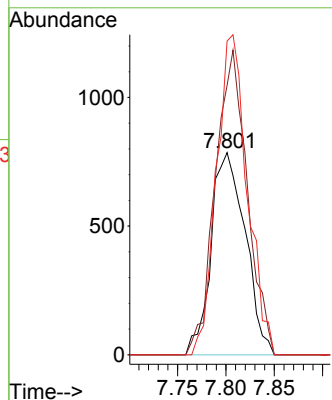
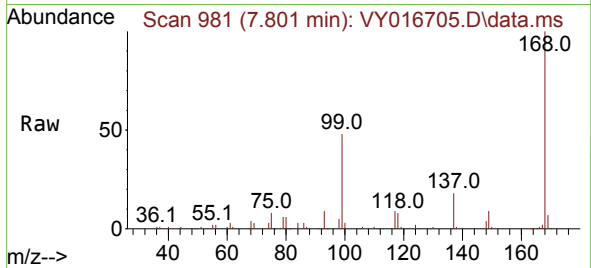




#31
Cyclohexane
Concen: 1.517 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

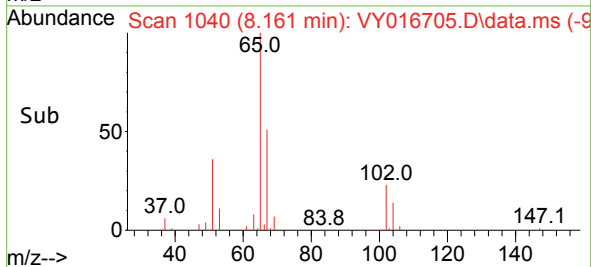
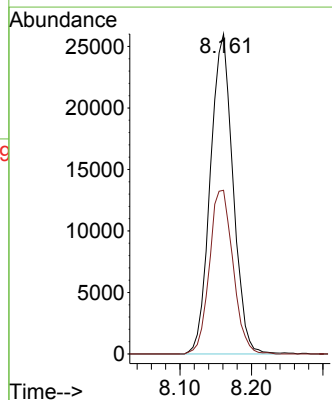
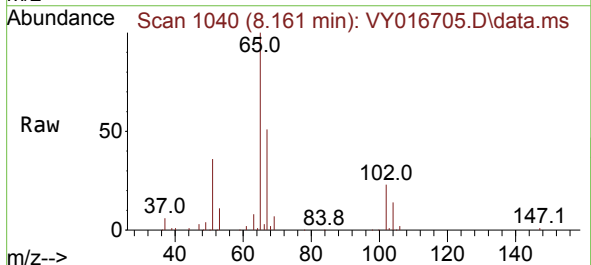
Instrument :
MSVOA_Y
ClientSampleId :

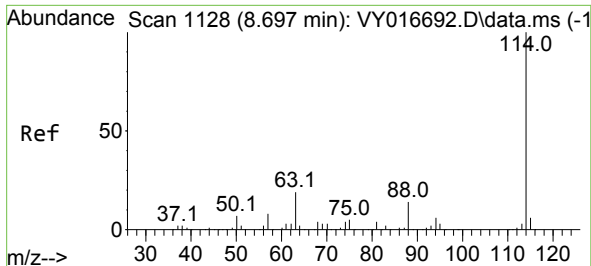
Tgt Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 133.2 27.5 41.3#
84 155.1 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 73.842 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

Tgt Ion: 65 Resp: 57289
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

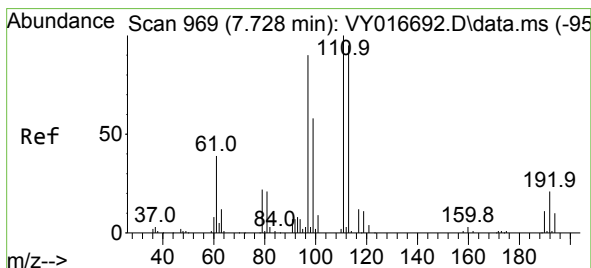
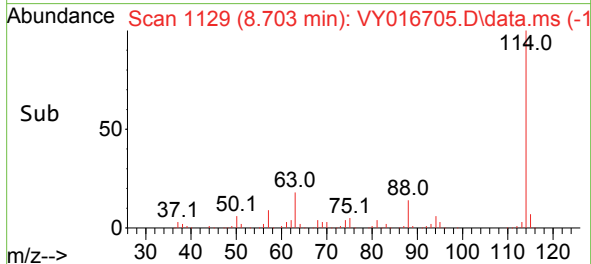
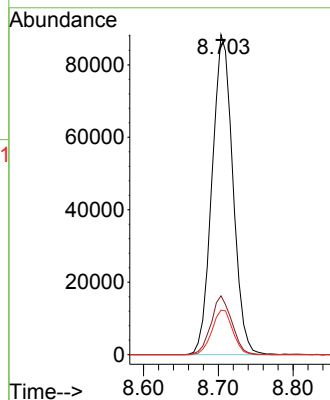
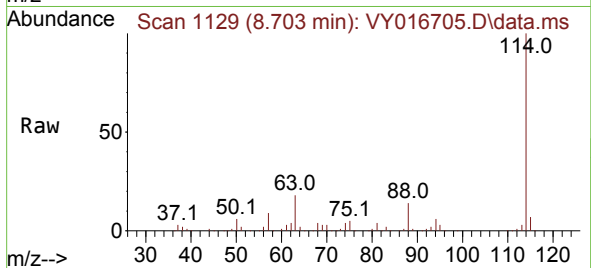
Tgt Ion:114 Resp: 170717

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 33.387 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

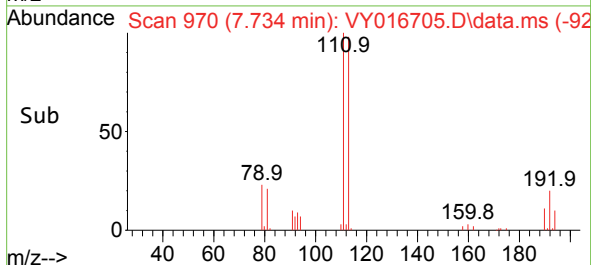
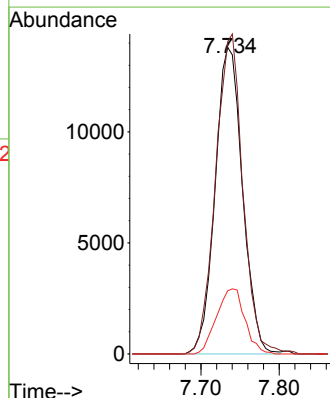
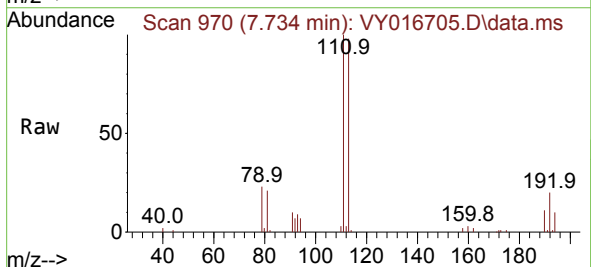
Tgt Ion:113 Resp: 33569

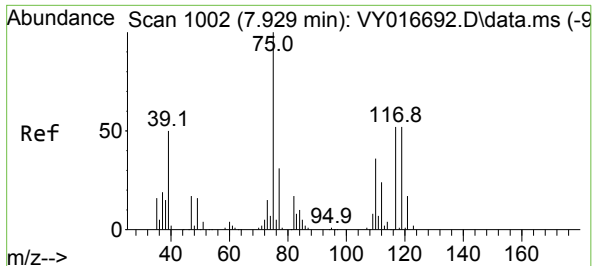
Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 21.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

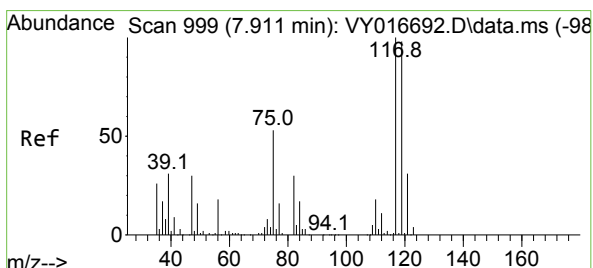
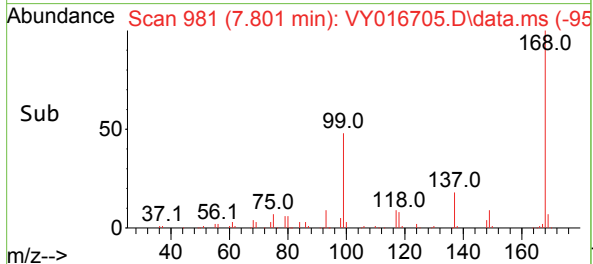
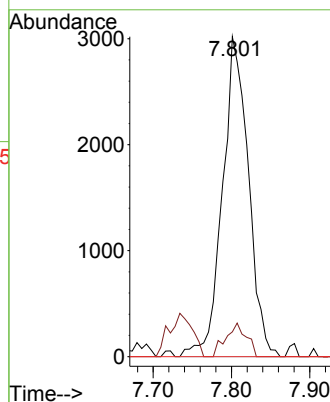
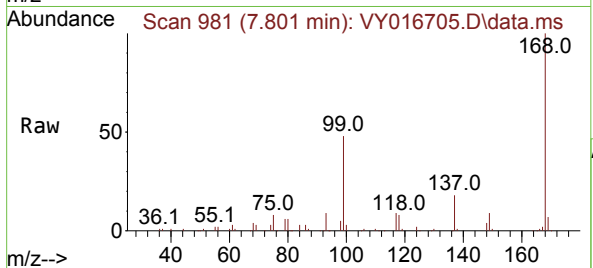
Tgt Ion: 75 Resp: 6960

Ion Ratio Lower Upper

75 100

110 8.3 18.9 56.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.229 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.104 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

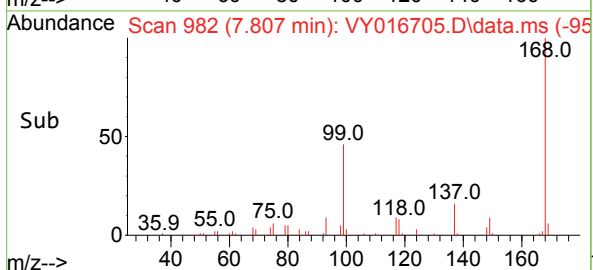
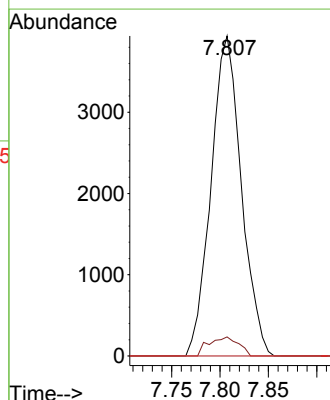
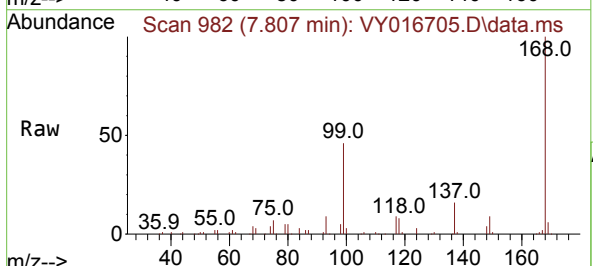
Tgt Ion: 117 Resp: 8581

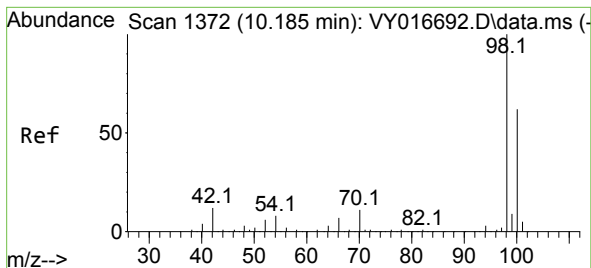
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.4#

121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 57.029 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

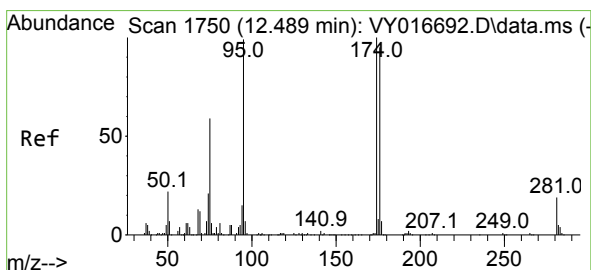
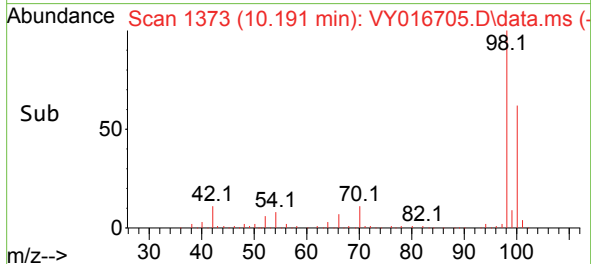
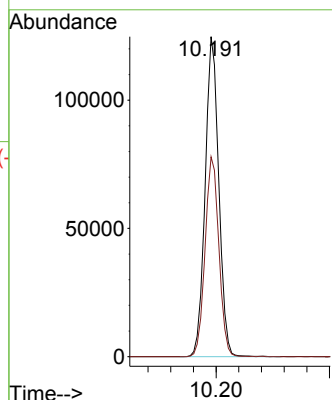
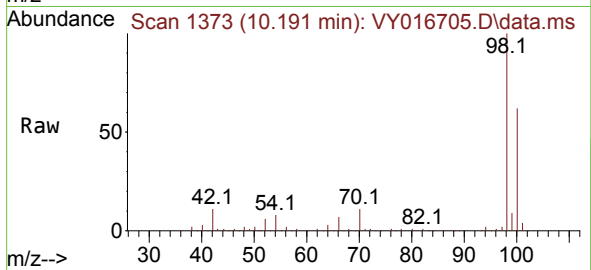
ClientSampleId :

Tgt Ion: 98 Resp: 207665

Ion Ratio Lower Upper

98 100

100 63.3 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 57.854 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

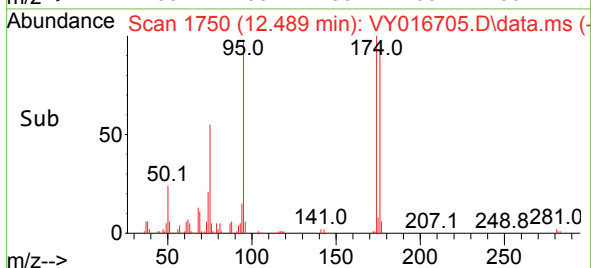
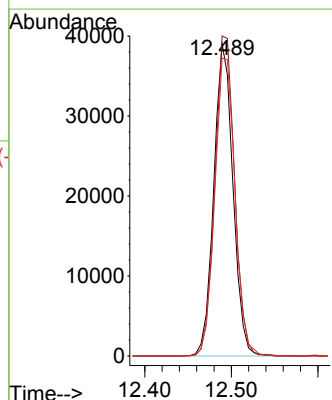
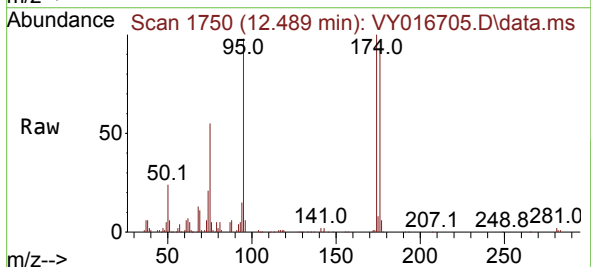
Tgt Ion: 95 Resp: 59899

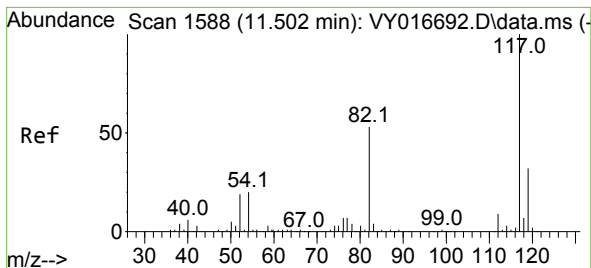
Ion Ratio Lower Upper

95 100

174 105.7 0.0 181.0

176 100.7 0.0 176.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

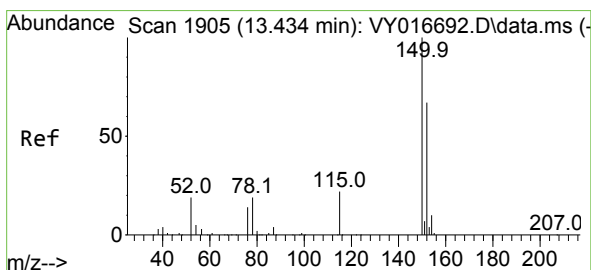
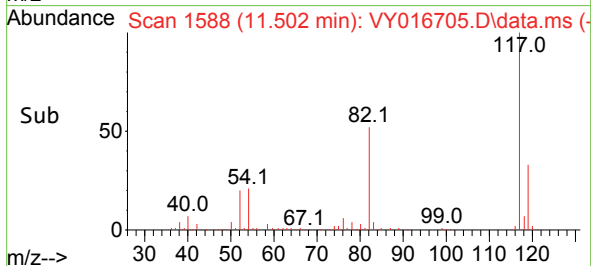
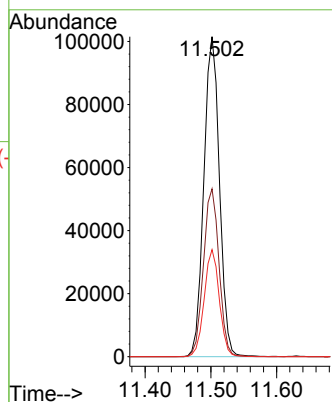
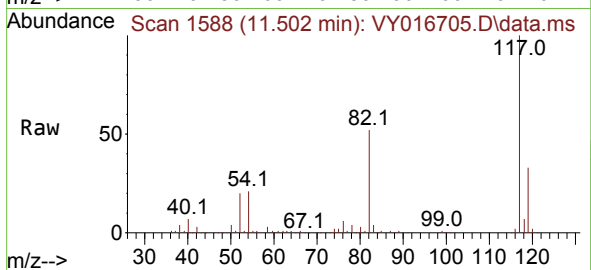
Tgt Ion:117 Resp: 167660

Ion Ratio Lower Upper

117 100

82 52.4 41.0 61.6

119 33.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016705.D

Acq: 19 Dec 2023 20:03

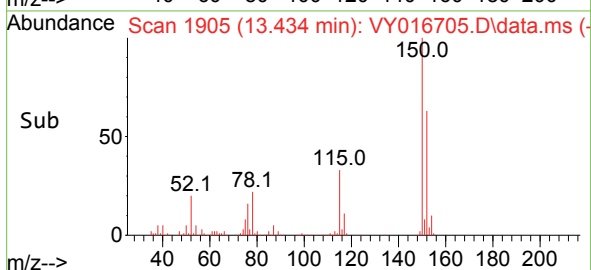
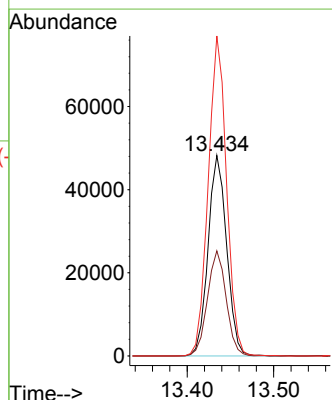
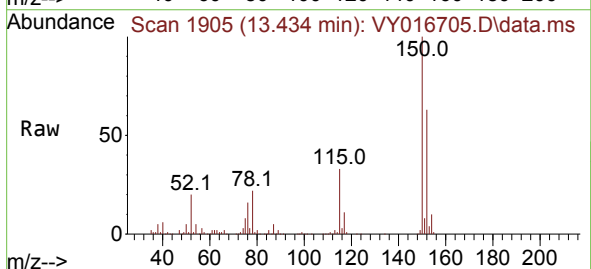
Tgt Ion:152 Resp: 72108

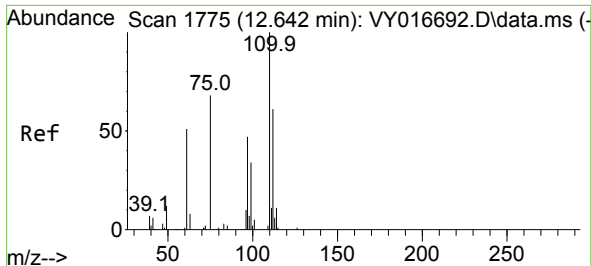
Ion Ratio Lower Upper

152 100

115 52.8 28.2 84.7

150 156.9 0.0 350.6

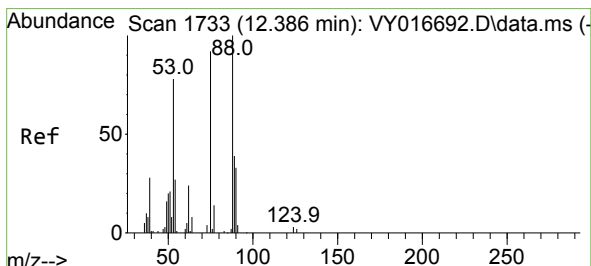
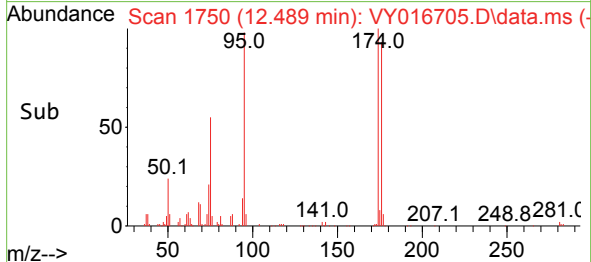
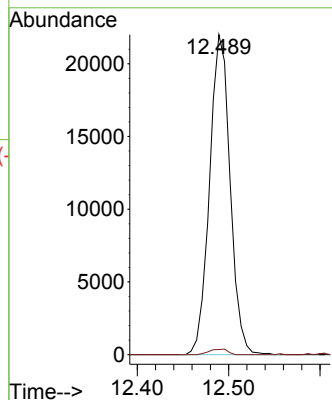
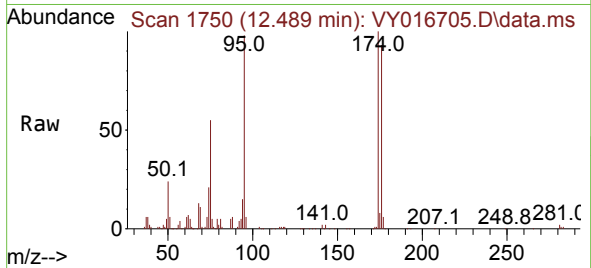




#76
1,2,3-Trichloropropane
Concen: 54.763 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 34326
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.649 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016705.D
Acq: 19 Dec 2023 20:03

Tgt Ion: 75 Resp: 34326
Ion Ratio Lower Upper
75 100
53 0.1 62.9 94.3#
89 0.1 35.8 53.8#

