

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016707.D
 Acq On : 19 Dec 2023 20:50
 Operator : SY/MD
 Sample : 05796-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:39:45 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)

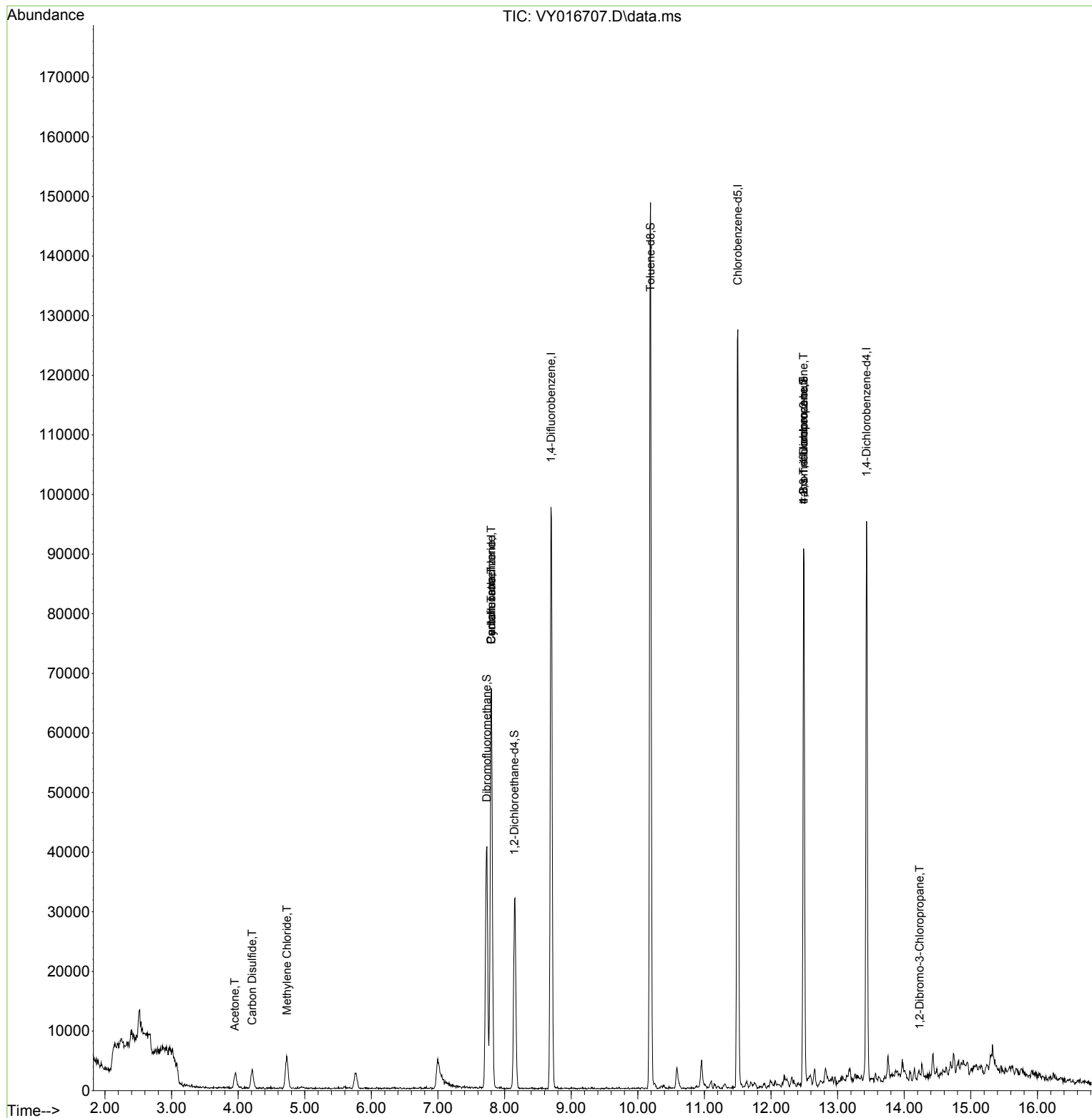
Internal Standards						
1) Pentafluorobenzene	7.801	168	55514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	85858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	71790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	24701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	25963	56.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.080%	
35) Dibromofluoromethane	7.734	113	29102	57.551	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.100%	
50) Toluene-d8	10.191	98	99620	54.397	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.800%	
62) 4-Bromofluorobenzene	12.489	95	23064	44.294	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	196	Below Cal	#	41
11) Tert butyl alcohol	4.972	59	71	Below Cal	#	73
16) Acetone	3.948	43	4688	12.611	ug/l #	81
17) Carbon Disulfide	4.210	76	5432	4.389	ug/l #	81
20) Methylene Chloride	4.735	84	3965	3.090	ug/l	97
25) 2-Butanone	6.996	43	1417	Below Cal	#	86
31) Cyclohexane	7.801	56	1076	1.432	ug/l #	16
38) Carbon Tetrachloride	7.801	117	5066	6.138	ug/l #	13
76) 1,2,3-Trichloropropane	12.489	75	13433	62.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	13433	143.541	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.233	75	78	1.872	ug/l #	1

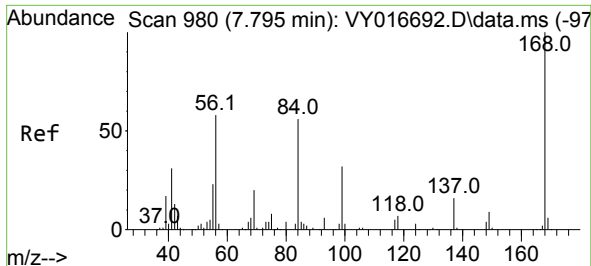
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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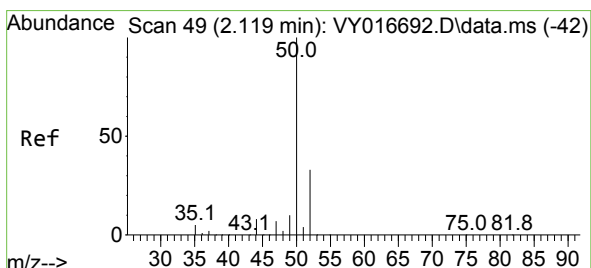
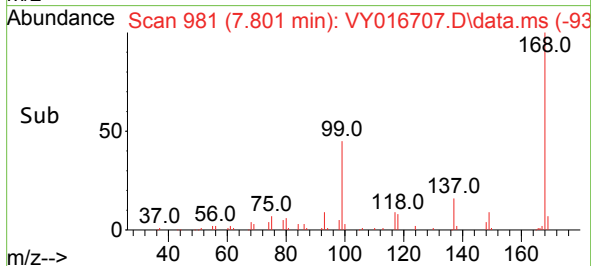
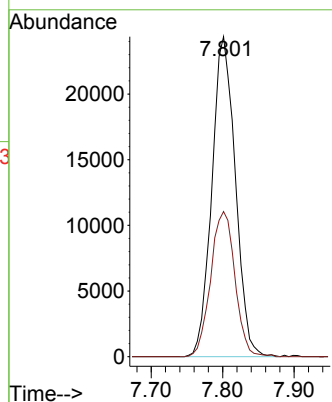
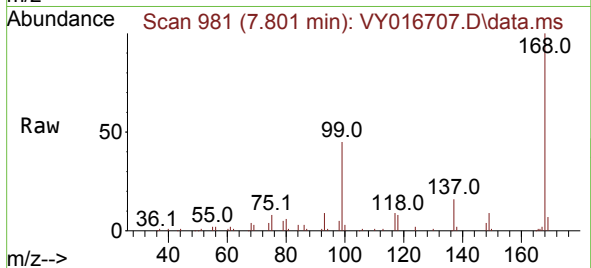




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

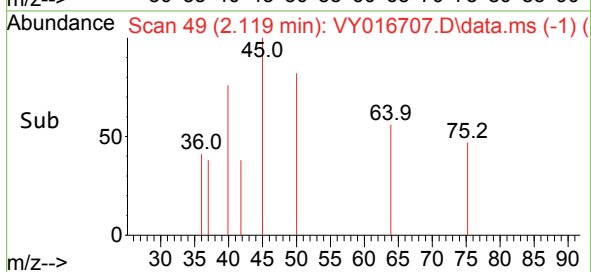
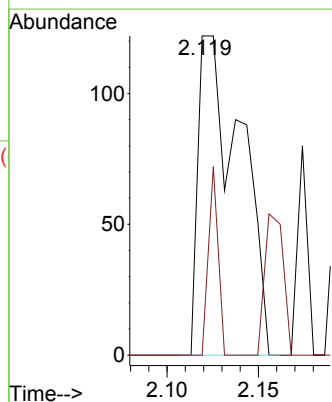
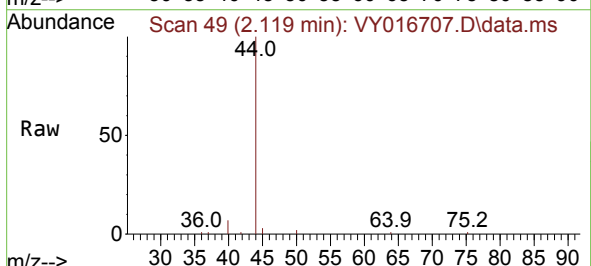
Instrument :
MSVOA_Y
ClientSampleId :

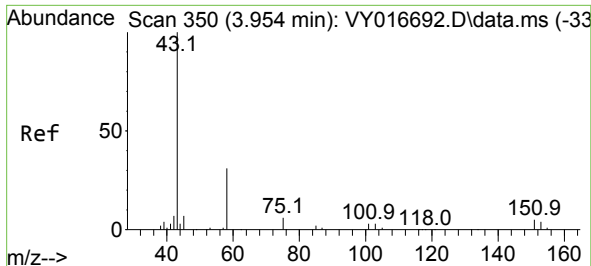
Tgt Ion:168 Resp: 55514
Ion Ratio Lower Upper
168 100
99 45.3 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

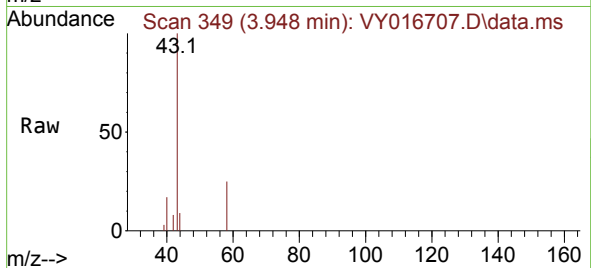
Tgt Ion: 50 Resp: 196
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



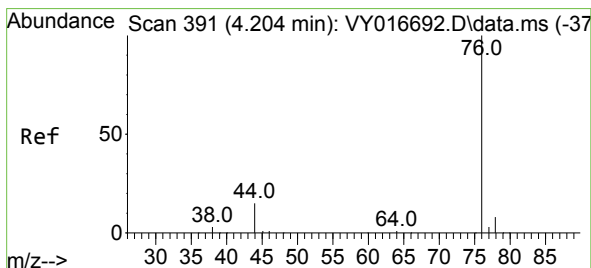
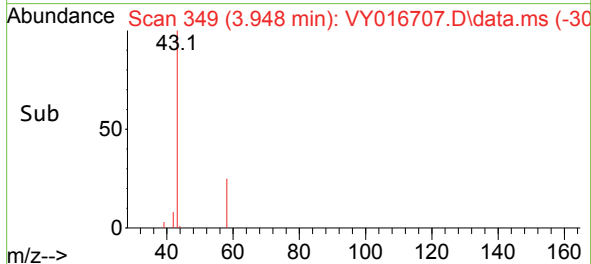
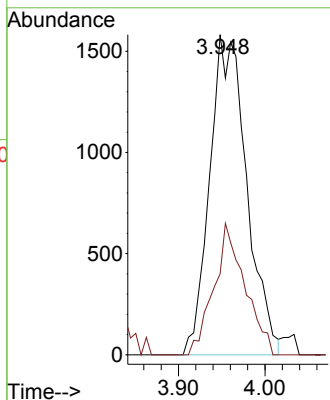


#16
Acetone
Concen: 12.611 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Instrument :
MSVOA_Y
ClientSampleId :

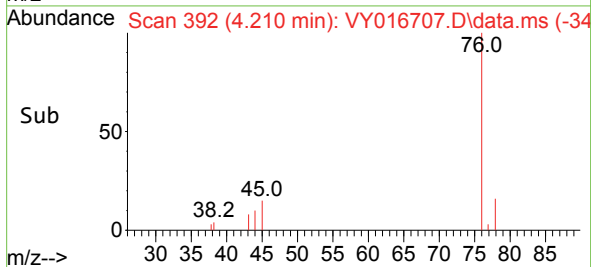
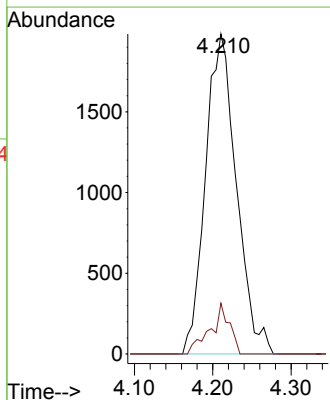
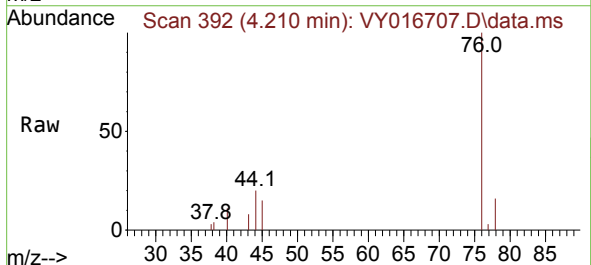


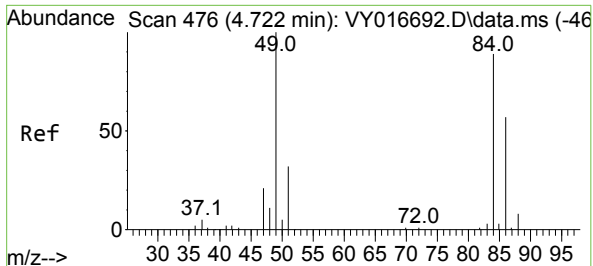
Tgt Ion: 43 Resp: 4688
Ion Ratio Lower Upper
43 100
58 25.3 29.0 43.4#



#17
Carbon Disulfide
Concen: 4.389 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 76 Resp: 5432
Ion Ratio Lower Upper
76 100
78 15.9 7.3 10.9#





#20

Methylene Chloride

Concen: 3.090 ug/l

RT: 4.735 min Scan# 41

Delta R.T. 0.013 min

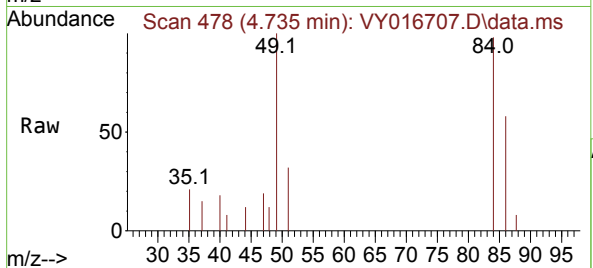
Lab File: VY016707.D

Acq: 19 Dec 2023 20:50

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 3965

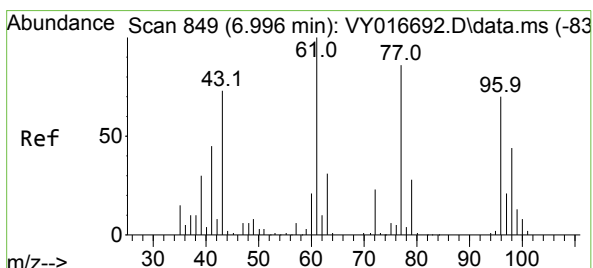
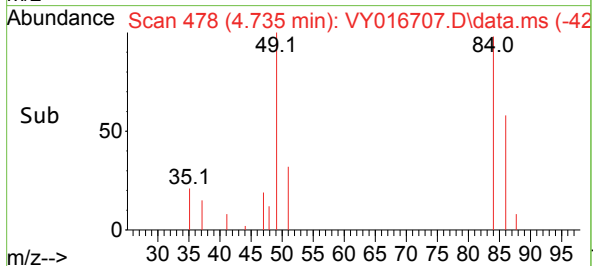
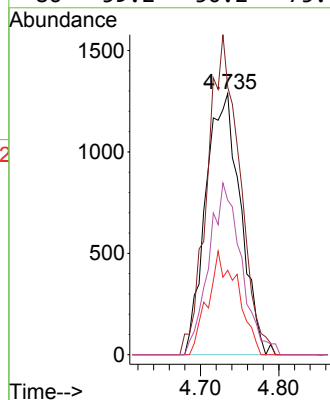
Ion Ratio Lower Upper

84 100

49 102.5 83.8 125.8

51 32.4 27.2 40.8

86 59.2 50.2 75.4



#25

2-Butanone

Concen: Below Cal

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016707.D

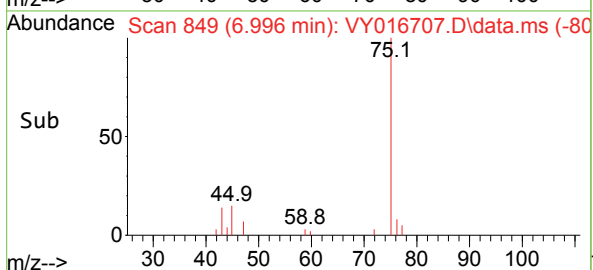
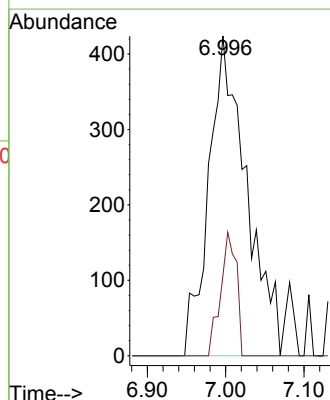
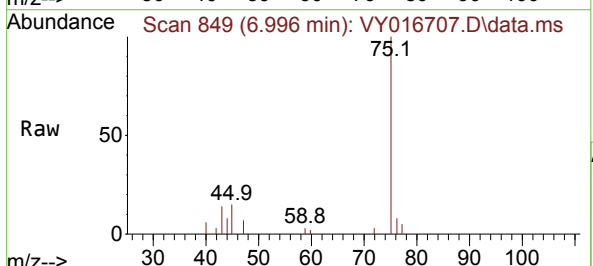
Acq: 19 Dec 2023 20:50

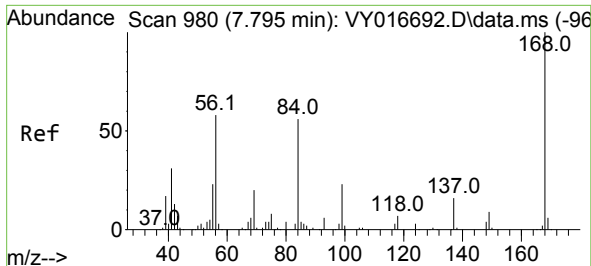
Tgt Ion: 43 Resp: 1417

Ion Ratio Lower Upper

43 100

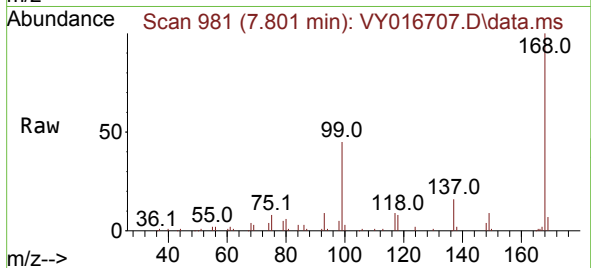
72 25.0 26.3 39.5#



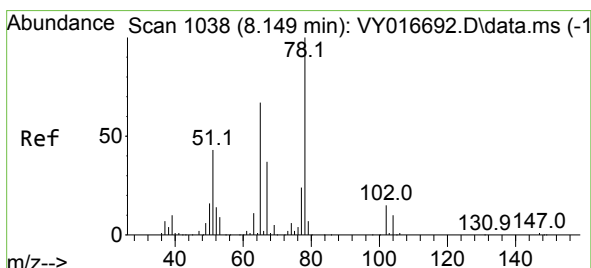
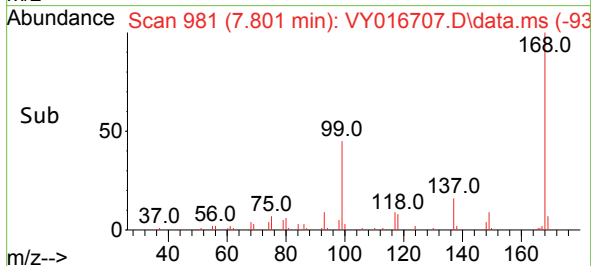
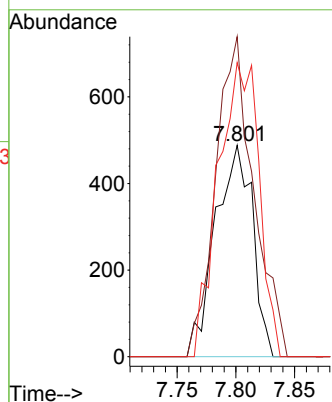


#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.801 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Instrument :
MSVOA_Y
ClientSampleId :

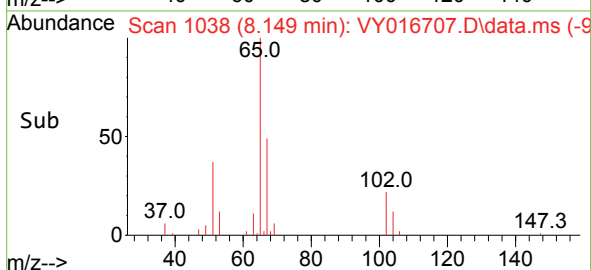
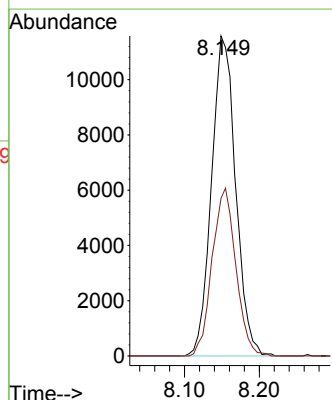
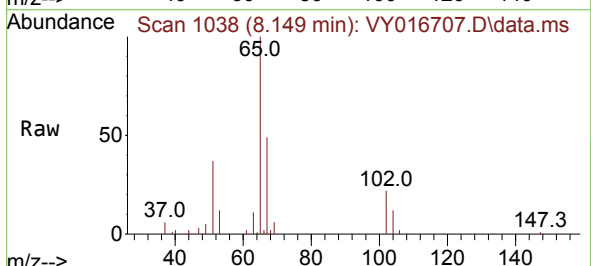


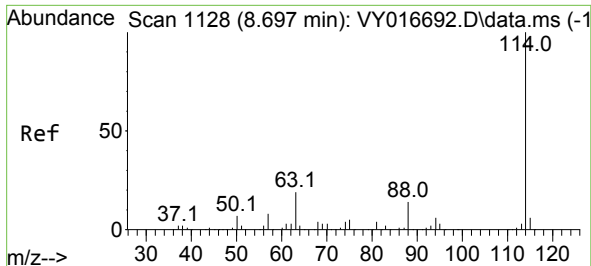
Tgt Ion: 56 Resp: 1076
Ion Ratio Lower Upper
56 100
69 151.4 27.5 41.3#
84 139.1 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 56.543 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 65 Resp: 25963
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016707.D

Acq: 19 Dec 2023 20:50

Instrument :

MSVOA_Y

ClientSampleId :

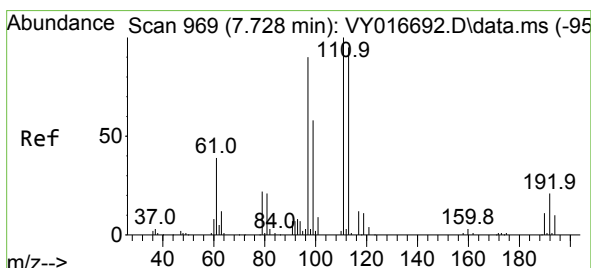
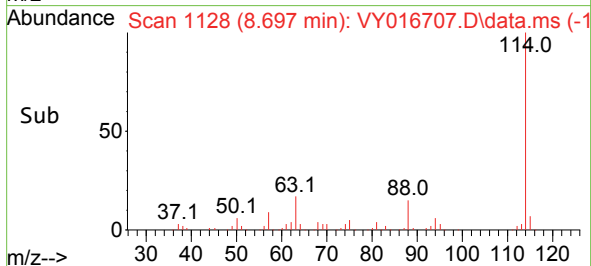
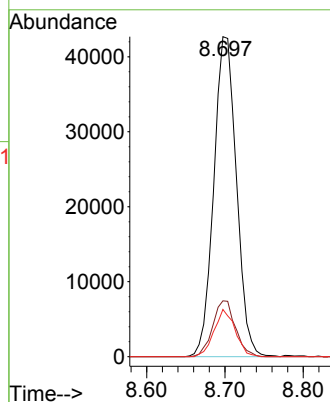
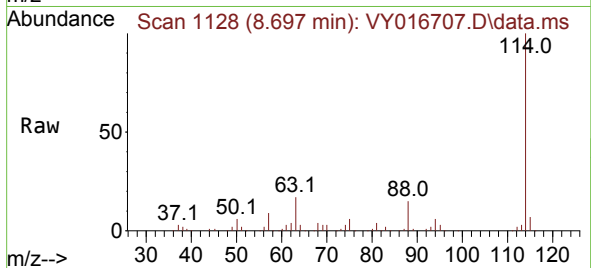
Tgt Ion:114 Resp: 85858

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.0

88 14.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 57.551 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016707.D

Acq: 19 Dec 2023 20:50

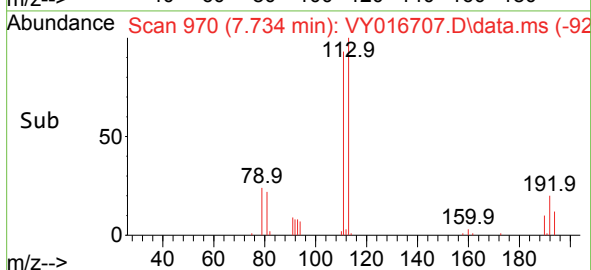
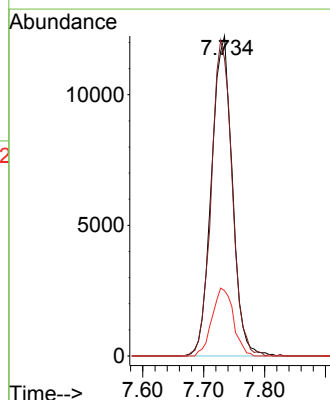
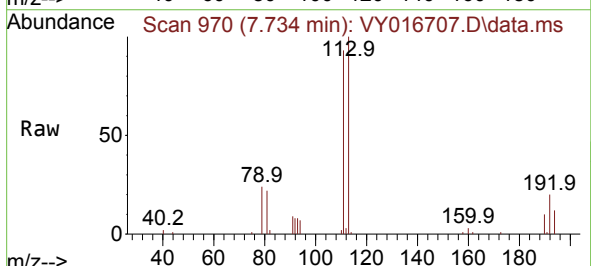
Tgt Ion:113 Resp: 29102

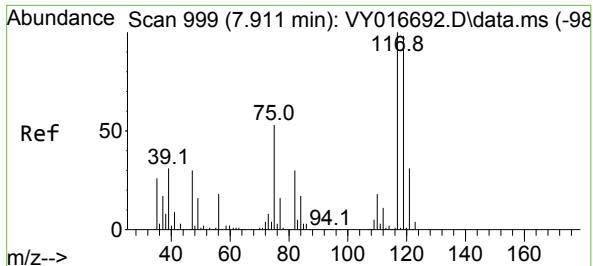
Ion Ratio Lower Upper

113 100

111 98.4 81.9 122.9

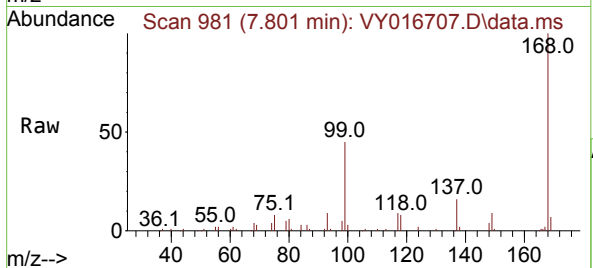
192 21.7 16.2 24.4



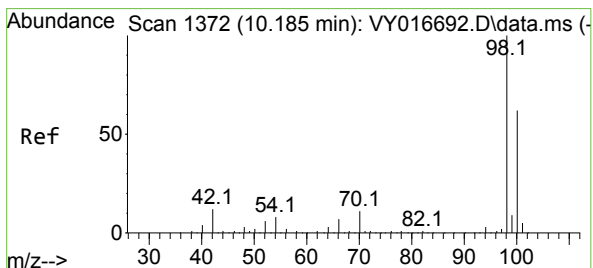
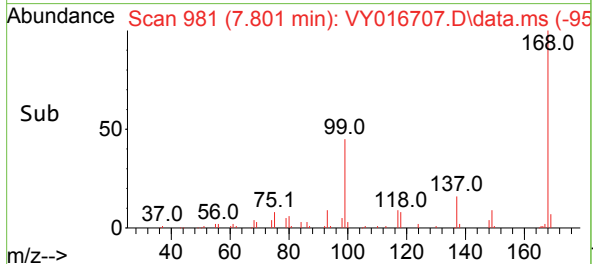
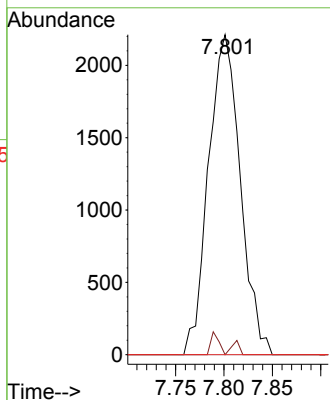


#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Instrument :
MSVOA_Y
ClientSampleId :

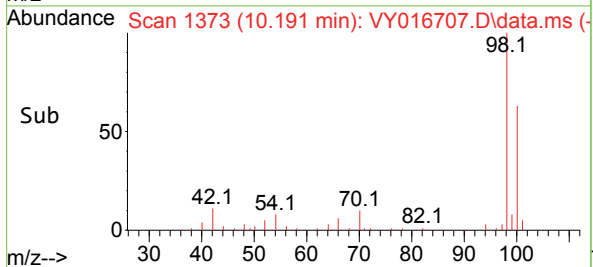
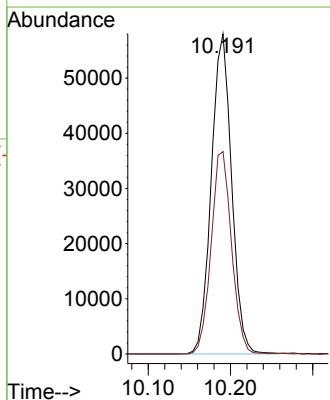
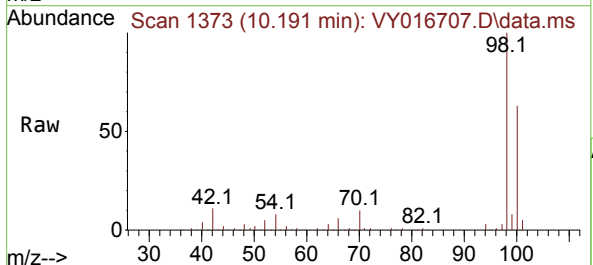


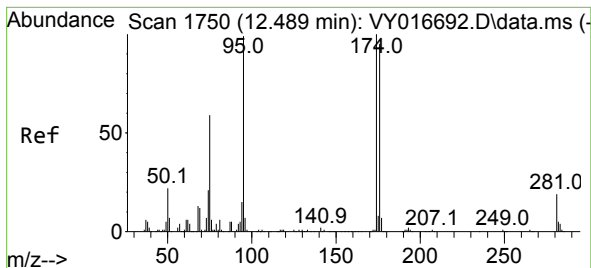
Tgt Ion:117 Resp: 5066
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 54.397 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 98 Resp: 99620
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 44.294 ug/l

RT: 12.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016707.D

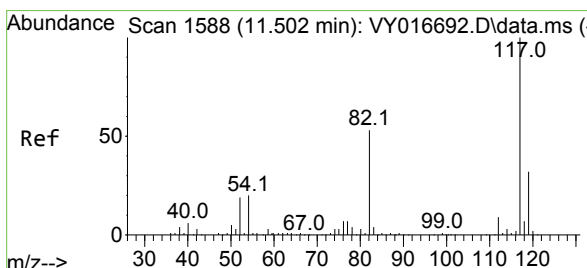
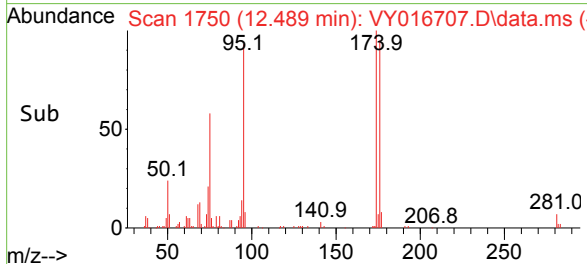
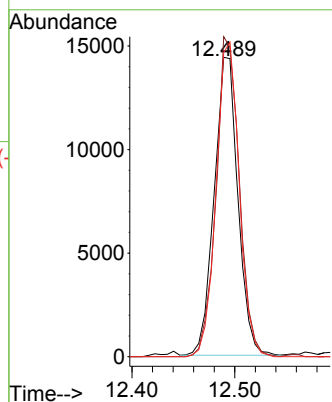
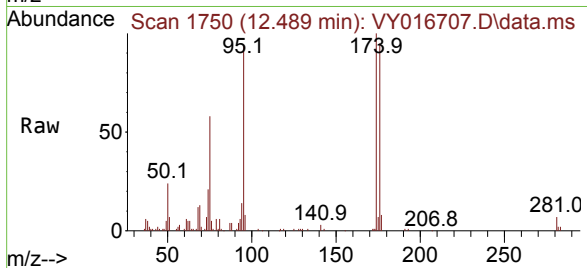
Acq: 19 Dec 2023 20:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	23064
Ion	Ratio	Lower	Upper
95	100		
174	104.8	0.0	181.0
176	102.7	0.0	176.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

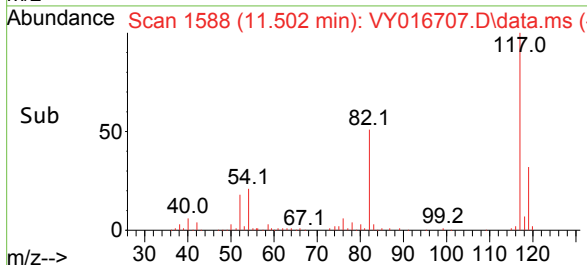
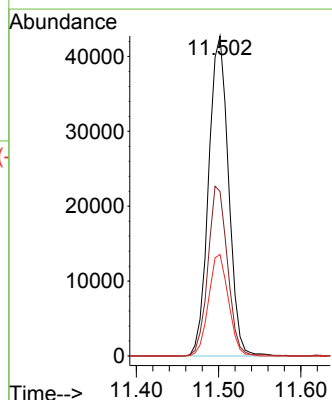
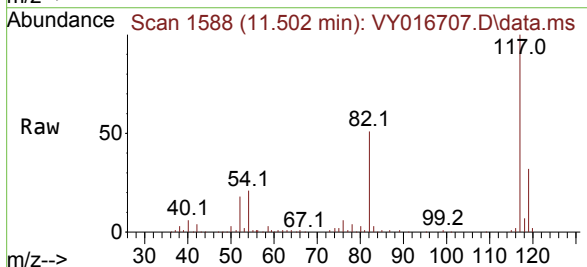
RT: 11.502 min Scan# 1588

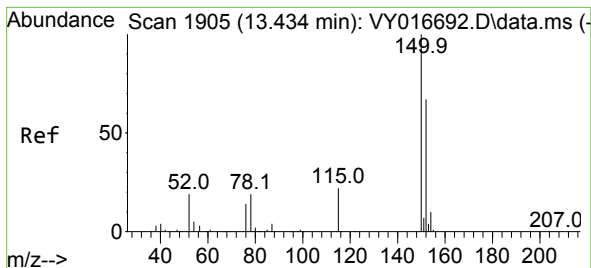
Delta R.T. 0.000 min

Lab File: VY016707.D

Acq: 19 Dec 2023 20:50

Tgt Ion:	117	Resp:	71790
Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.0	61.6
119	31.7	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

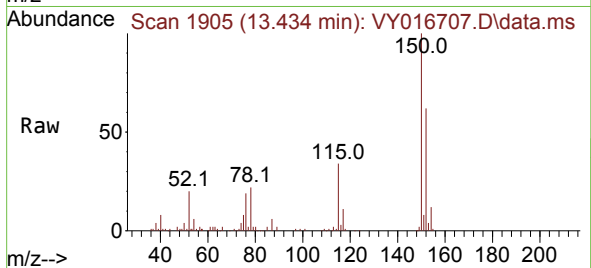
Lab File: VY016707.D

Acq: 19 Dec 2023 20:50

Instrument :

MSVOA_Y

ClientSampleId :



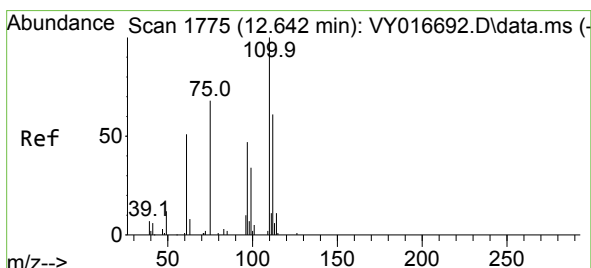
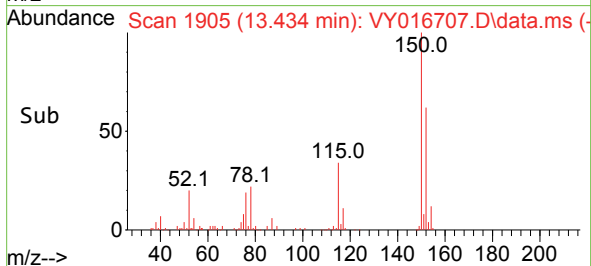
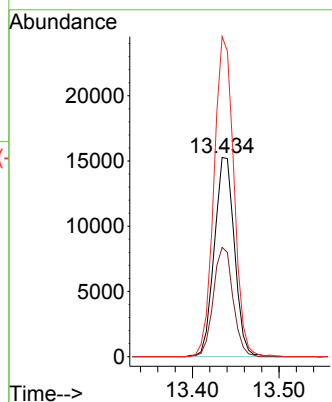
Tgt Ion:152 Resp: 24701

Ion Ratio Lower Upper

152 100

115 53.5 28.2 84.7

150 158.7 0.0 350.6



#76

1,2,3-Trichloropropane

Concen: 62.562 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016707.D

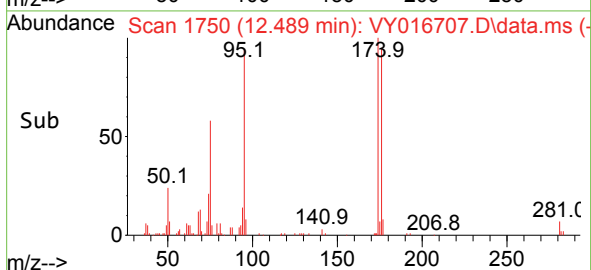
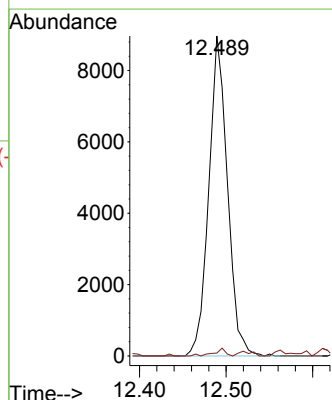
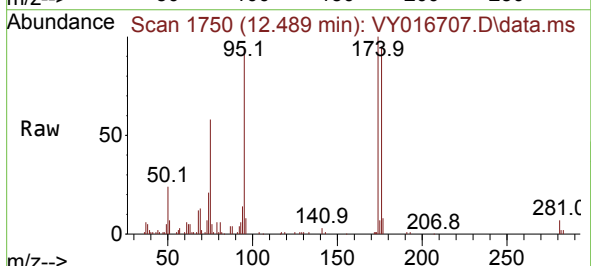
Acq: 19 Dec 2023 20:50

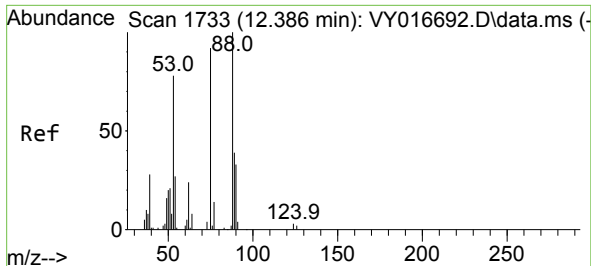
Tgt Ion: 75 Resp: 13433

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

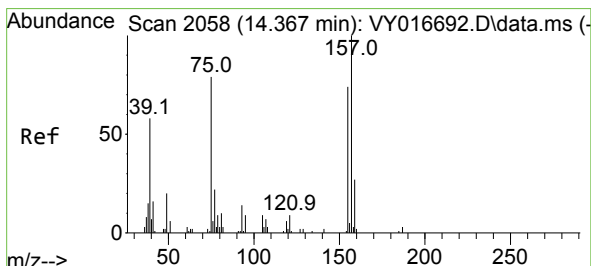
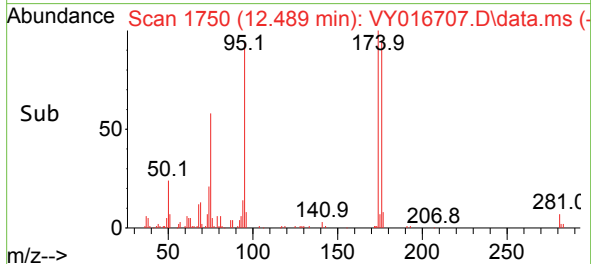
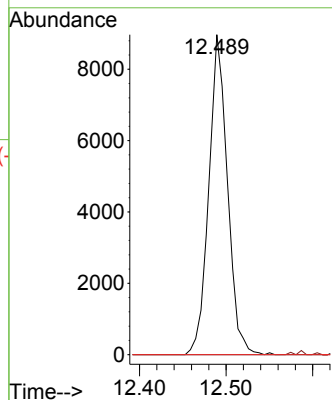
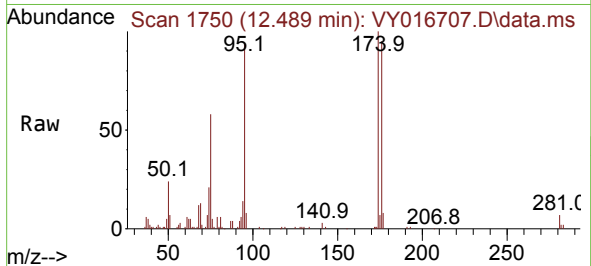




#81
trans-1,4-Dichloro-2-butene
Concen: 143.541 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 13433
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.872 ug/l
RT: 14.233 min Scan# 2036
Delta R.T. -0.134 min
Lab File: VY016707.D
Acq: 19 Dec 2023 20:50

Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 0.0 49.4 148.2#
157 0.0 64.4 193.2#

