

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016717.D
 Acq On : 20 Dec 2023 00:44
 Operator : SY/MD
 Sample : 05827-08
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:43:31 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	7.820	168	23085	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	37750	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	34133	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	12440	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	14250	74.629	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	149.260%
35) Dibromofluoromethane	7.740	113	14369	64.628	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	129.260%
50) Toluene-d8	10.203	98	44939	55.811	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.620%
62) 4-Bromofluorobenzene	12.502	95	10670	46.605	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.220%

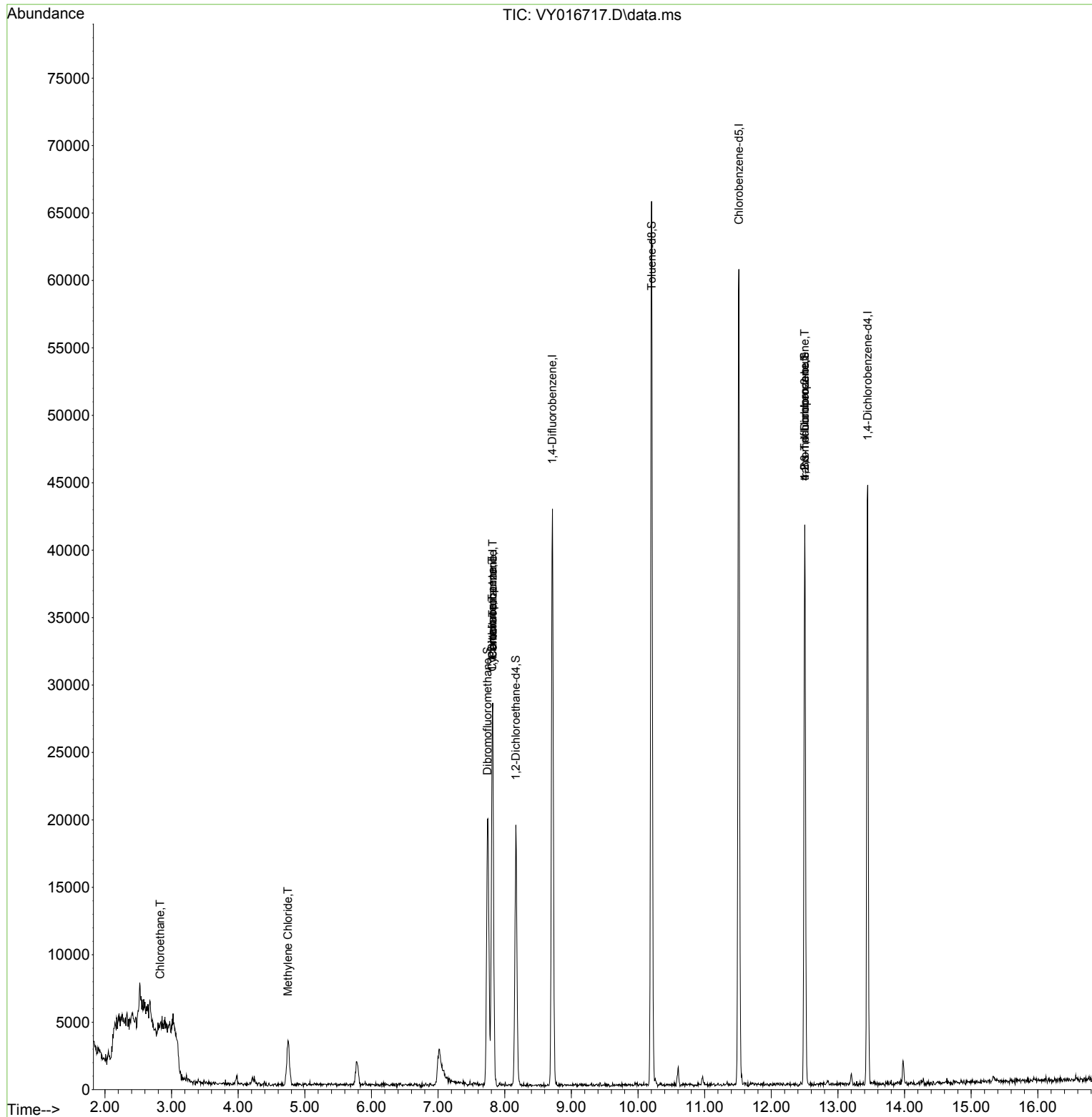
Target Compounds					Qvalue	
3) Chloromethane	2.205	50	19	Below Cal	#	41
6) Chloroethane	2.827	64	368	1.103	ug/l #	45
16) Acetone	3.979	43	746	Below Cal		97
20) Methylene Chloride	4.747	84	2353	6.860	ug/l #	88
25) 2-Butanone	7.021	43	22	Below Cal	#	42
31) Cyclohexane	7.813	56	433	1.385	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	2062	6.131	ug/l #	46
38) Carbon Tetrachloride	7.820	117	2244	6.184	ug/l #	13
76) 1,2,3-Trichloropropane	12.502	75	5963	55.144	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	5963	126.521	ug/l #	18

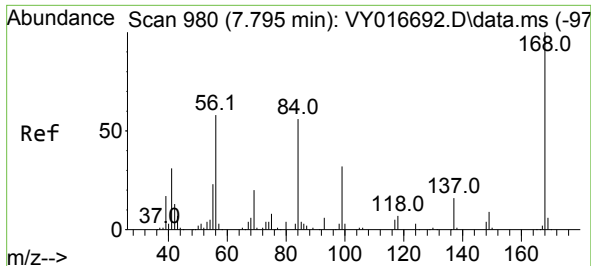
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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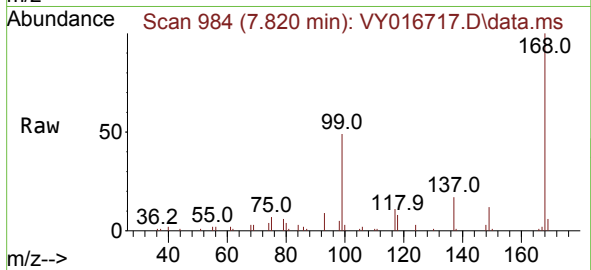
Quant Time: Dec 20 06:43:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 20 05:26:40 2023
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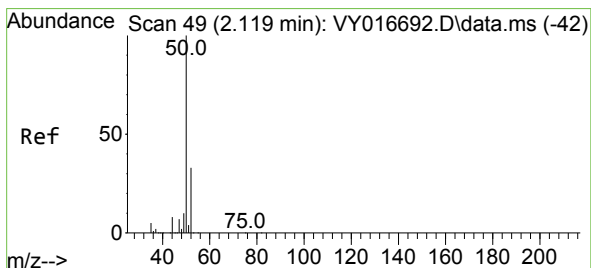
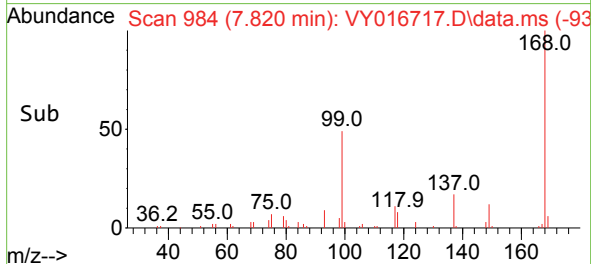
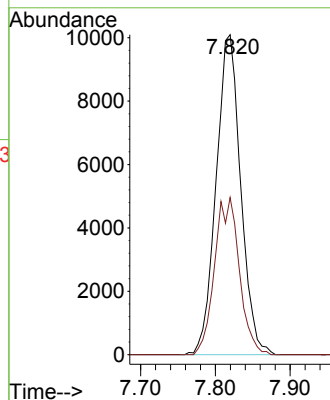


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Instrument :
MSVOA_Y
ClientSampleId :

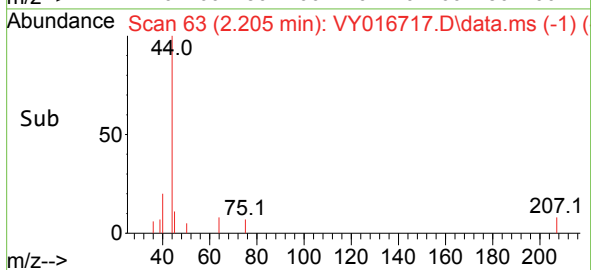
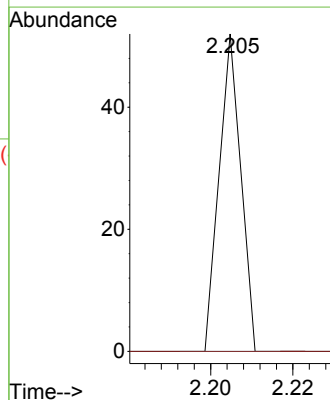
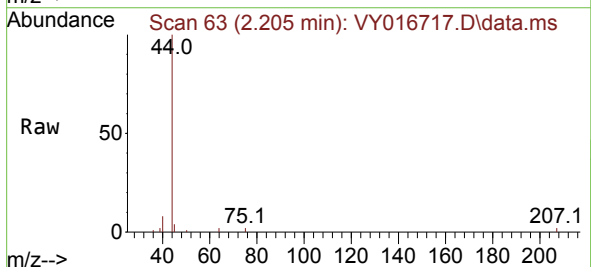


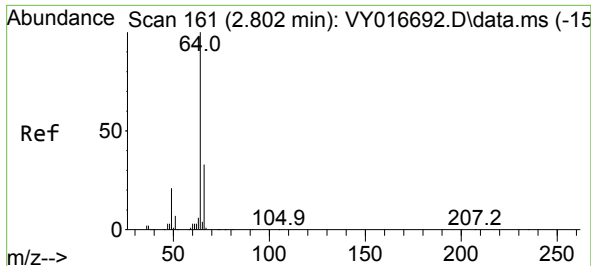
Tgt Ion:168 Resp: 23085
Ion Ratio Lower Upper
168 100
99 49.1 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.205 min Scan# 63
Delta R.T. 0.086 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

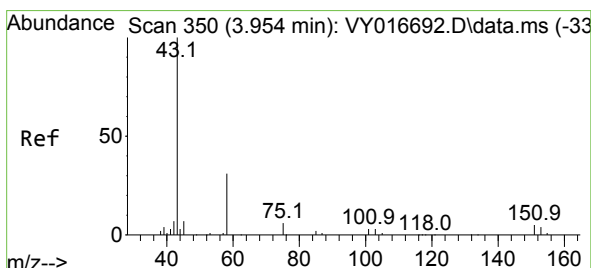
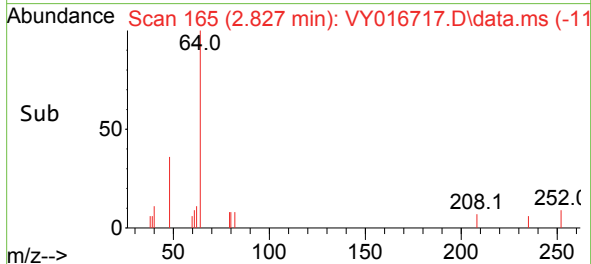
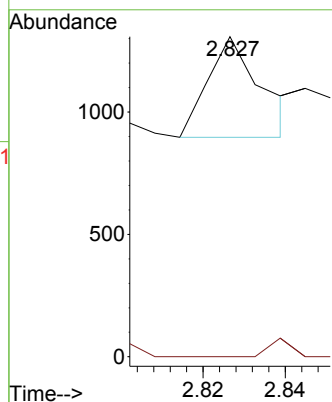
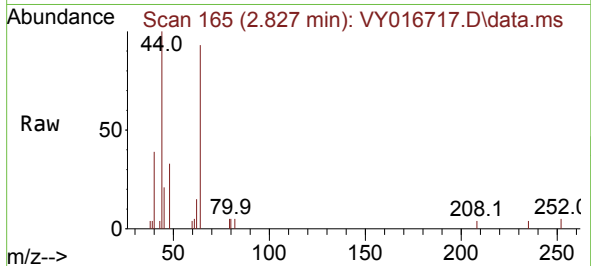




#6
Chloroethane
Concen: 1.103 ug/l
RT: 2.827 min Scan# 1
Delta R.T. 0.025 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

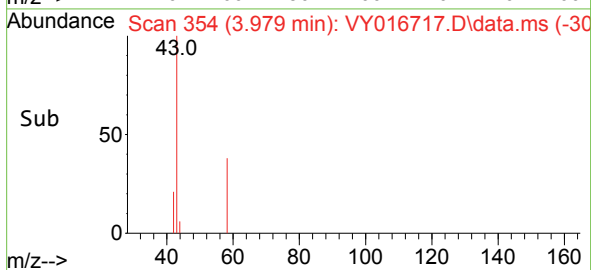
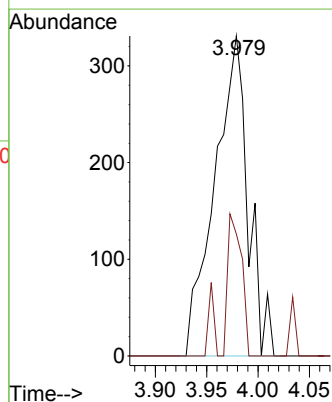
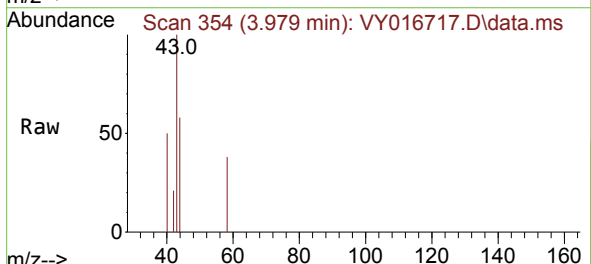
Instrument :
MSVOA_Y
ClientSampleId :

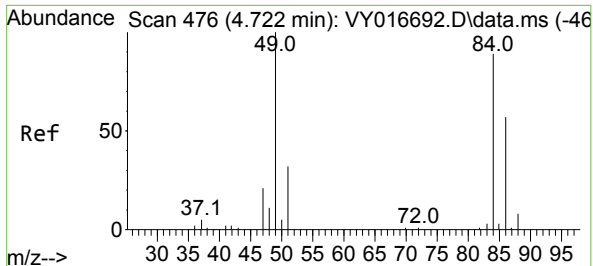
Tgt Ion: 64 Resp: 368
Ion Ratio Lower Upper
64 100
66 0.0 24.0 36.0#



#16
Acetone
Concen: Below Cal
RT: 3.979 min Scan# 354
Delta R.T. 0.025 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 38.1 29.0 43.4





#20

Methylene Chloride

Concen: 6.860 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.025 min

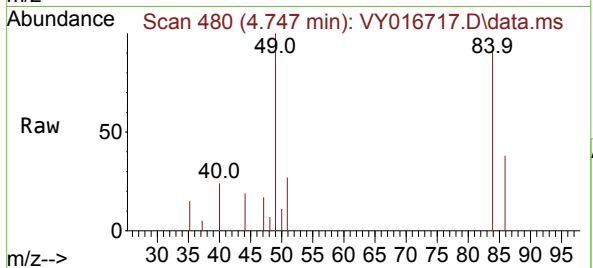
Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 2353

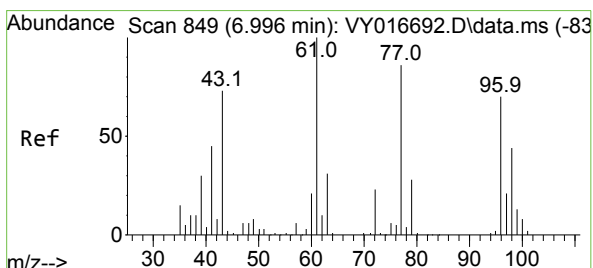
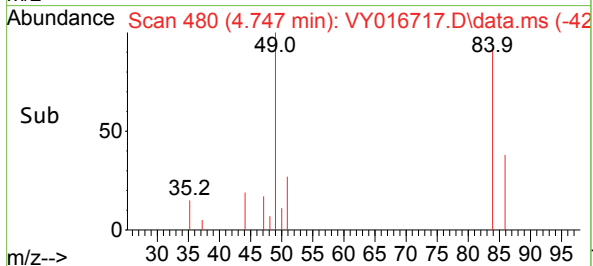
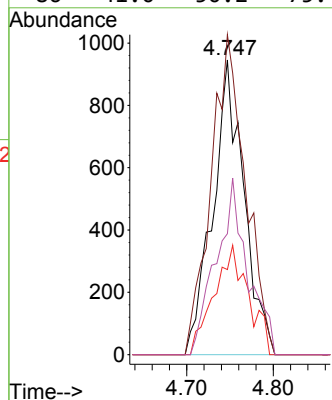
Ion Ratio Lower Upper

84 100

49 108.6 83.8 125.8

51 28.9 27.2 40.8

86 41.0 50.2 75.4#



#25

2-Butanone

Concen: Below Cal

RT: 7.021 min Scan# 853

Delta R.T. 0.025 min

Lab File: VY016717.D

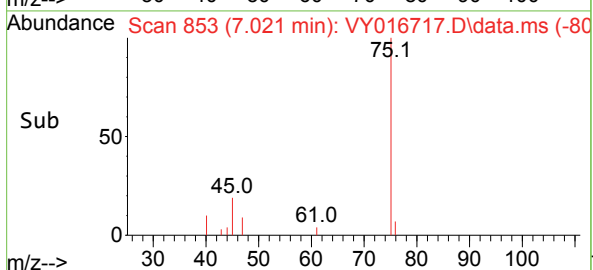
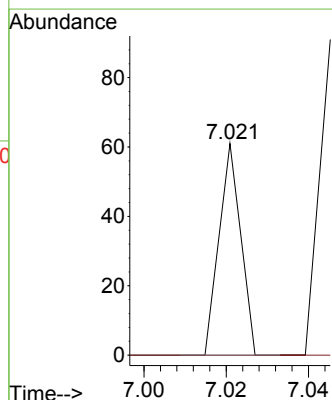
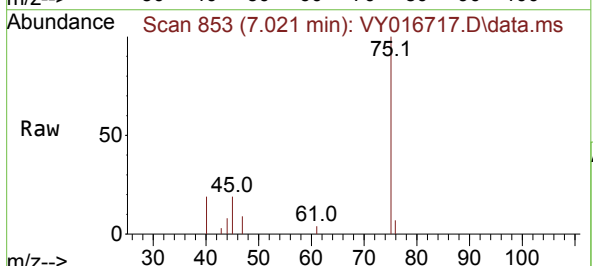
Acq: 20 Dec 2023 00:44

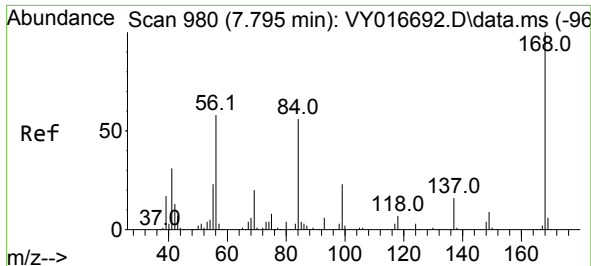
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

72 0.0 26.3 39.5#

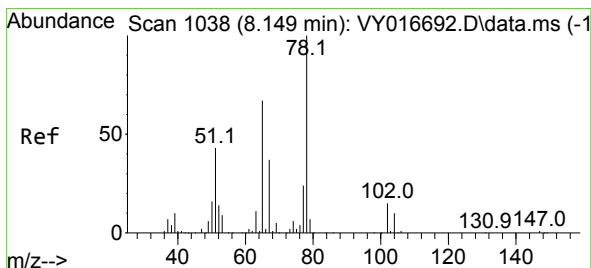
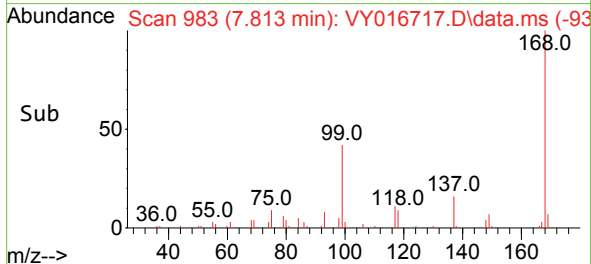
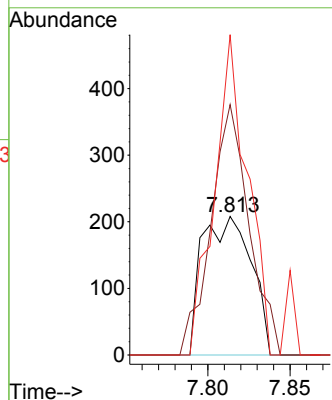
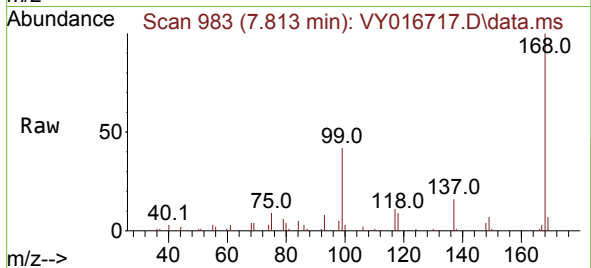




#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

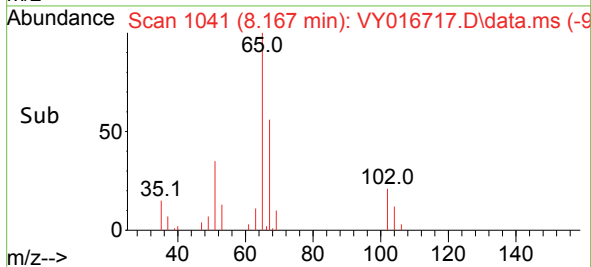
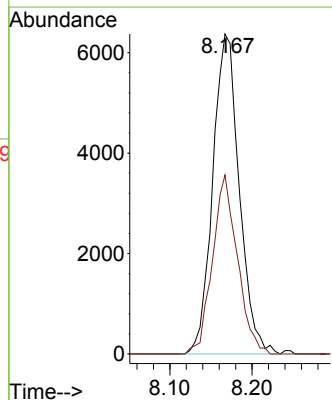
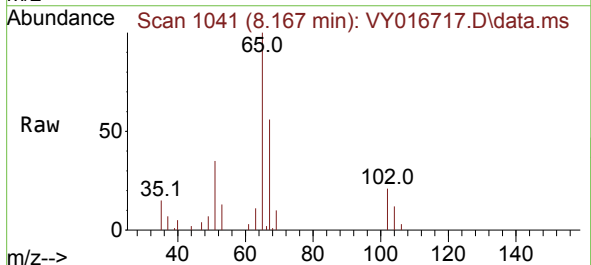
Instrument :
MSVOA_Y
ClientSampleId :

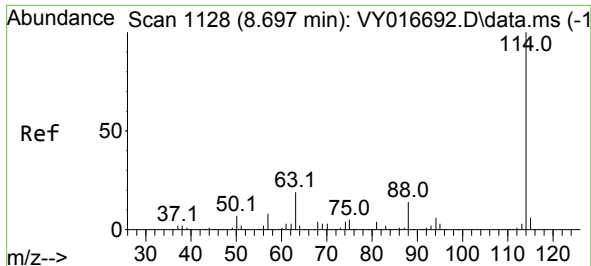
Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
69 180.8 27.5 41.3#
84 231.3 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 74.629 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.018 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Tgt Ion: 65 Resp: 14250
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

Instrument :

MSVOA_Y

ClientSampleId :

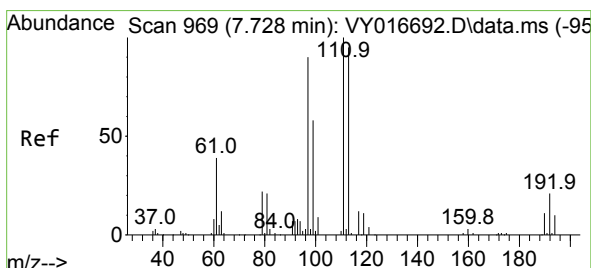
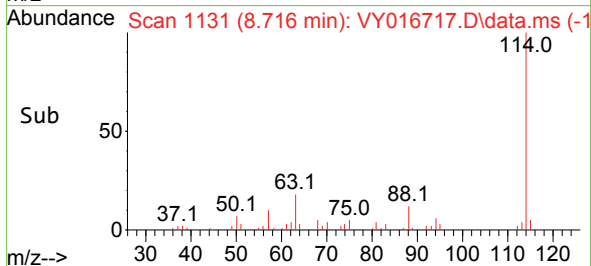
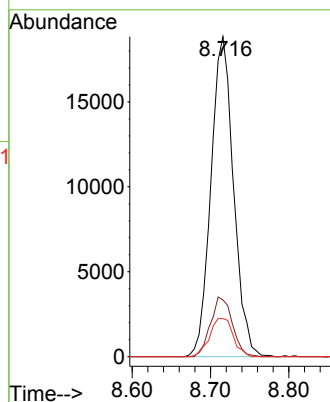
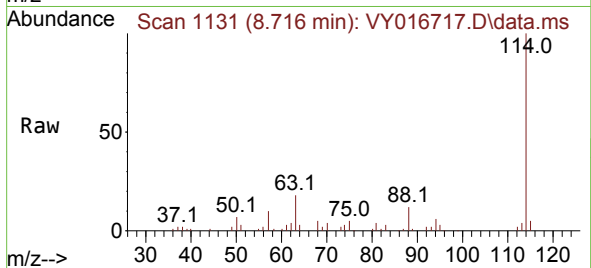
Tgt Ion:114 Resp: 37750

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 11.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 64.628 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

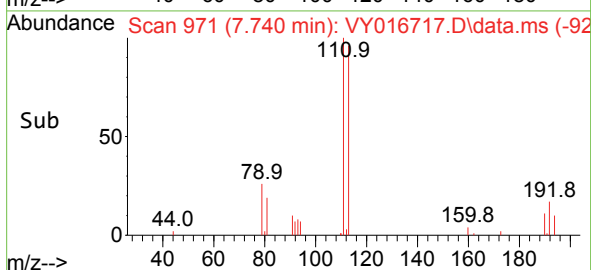
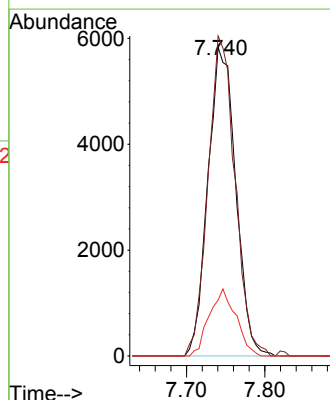
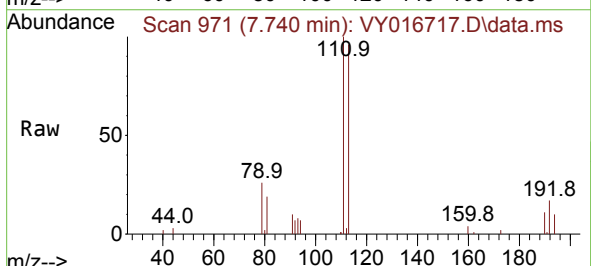
Tgt Ion:113 Resp: 14369

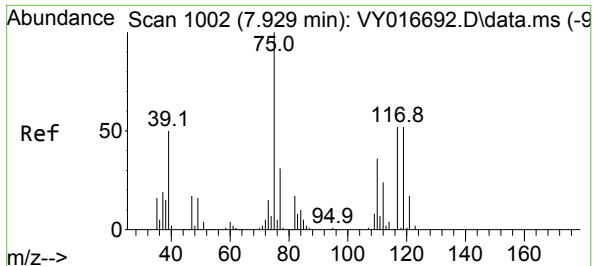
Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

192 21.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 6.131 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.116 min

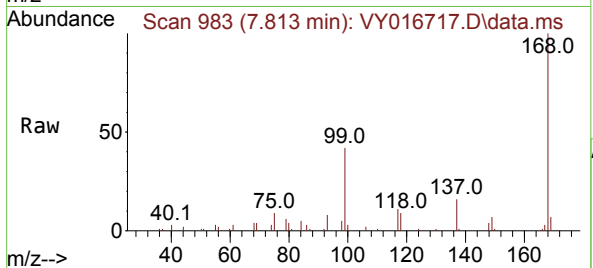
Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

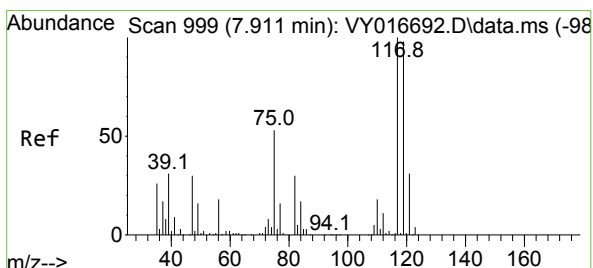
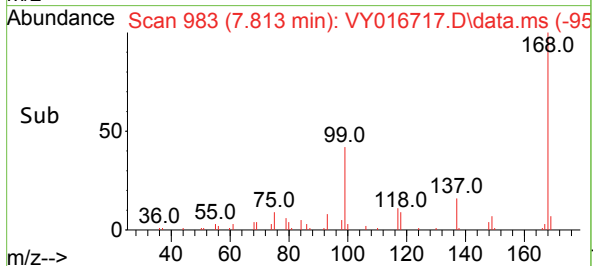
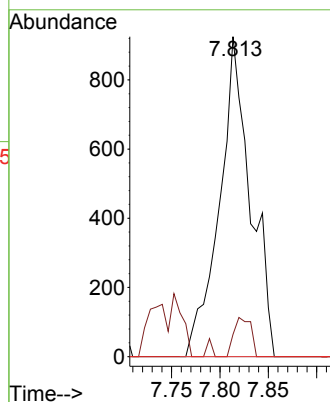
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 2062
Ion Ratio	Lower Upper
75	100
110	6.7 18.9 56.9#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.184 ug/l

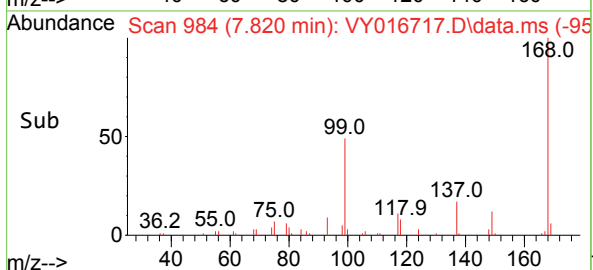
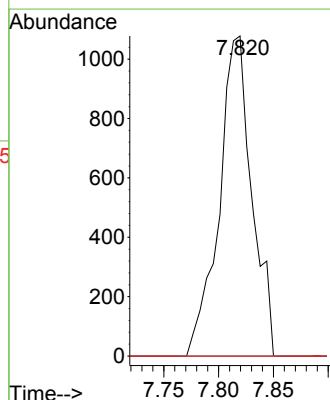
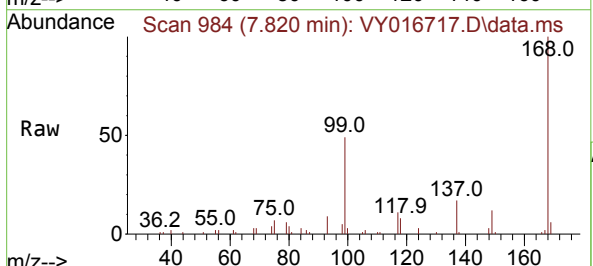
RT: 7.820 min Scan# 984

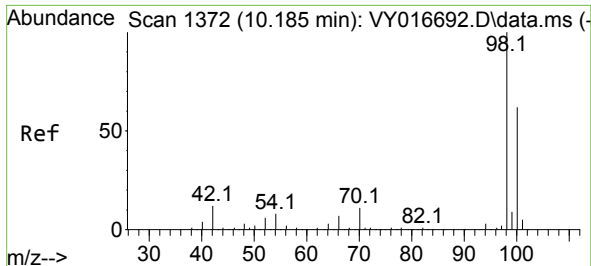
Delta R.T. -0.091 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

Tgt Ion: 117	Resp: 2244
Ion Ratio	Lower Upper
117	100
119	0.0 75.0 112.4#
121	0.0 24.2 36.4#

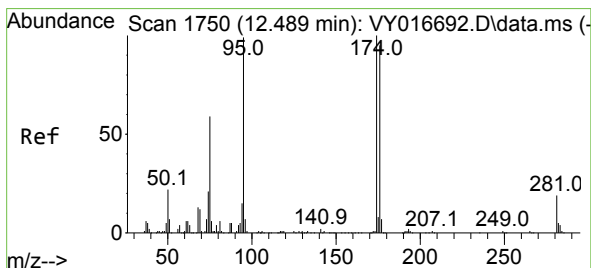
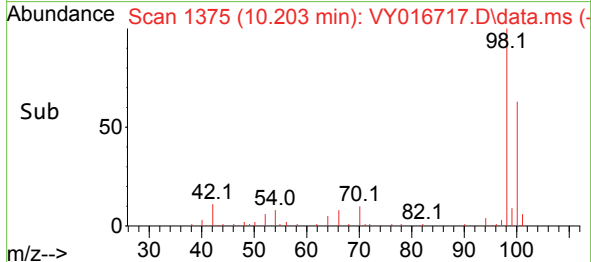
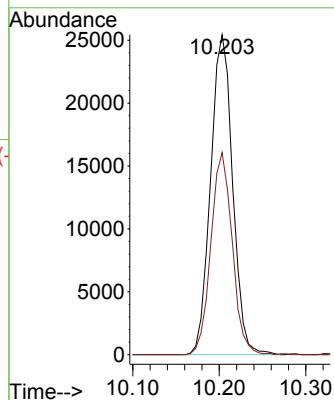
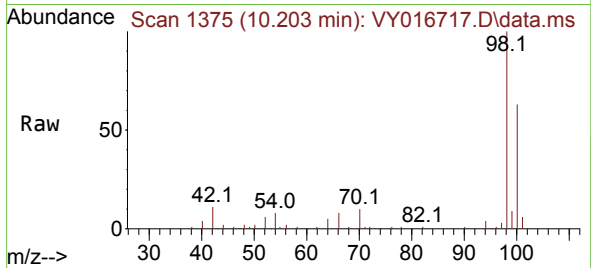




#50
Toluene-d8
Concen: 55.811 ug/l
RT: 10.203 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

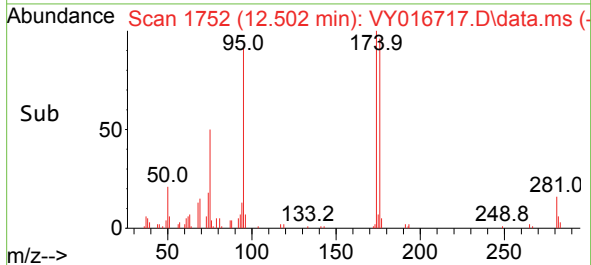
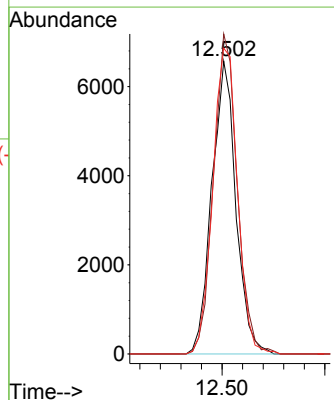
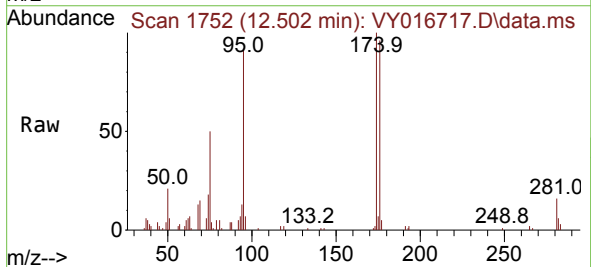
Instrument :
MSVOA_Y
ClientSampleId :

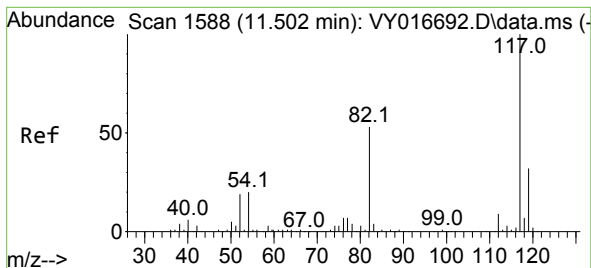
Tgt Ion: 98 Resp: 44939
Ion Ratio Lower Upper
98 100
100 61.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 46.605 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Tgt Ion: 95 Resp: 10670
Ion Ratio Lower Upper
95 100
174 107.5 0.0 181.0
176 107.5 0.0 176.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

Instrument :

MSVOA_Y

ClientSampleId :

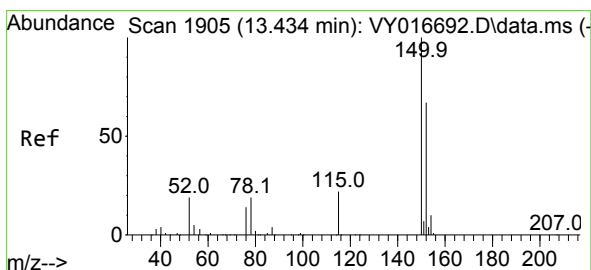
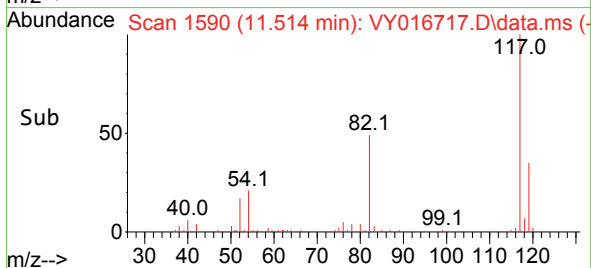
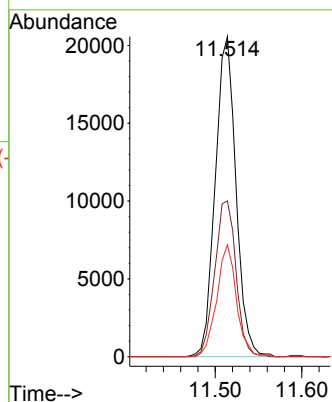
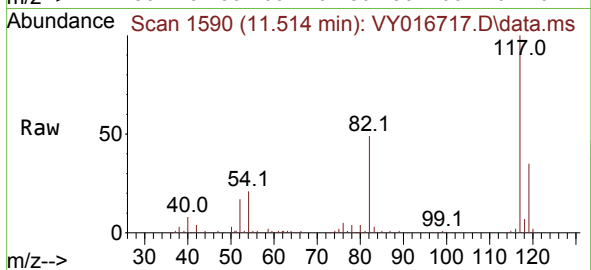
Tgt Ion:117 Resp: 34133

Ion Ratio Lower Upper

117 100

82 48.7 41.0 61.6

119 34.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016717.D

Acq: 20 Dec 2023 00:44

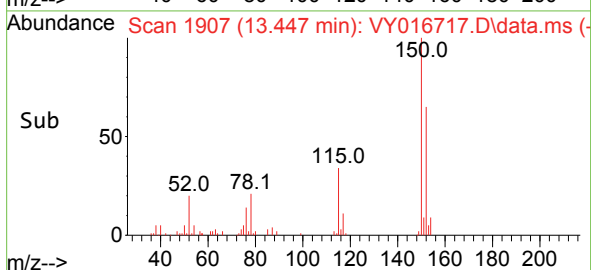
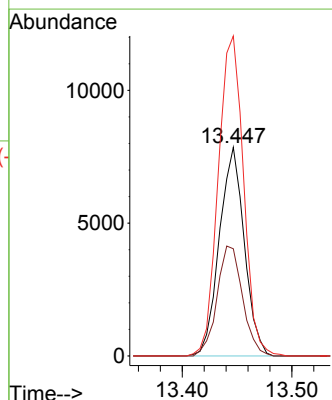
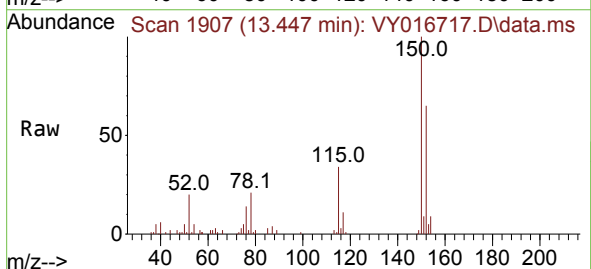
Tgt Ion:152 Resp: 12440

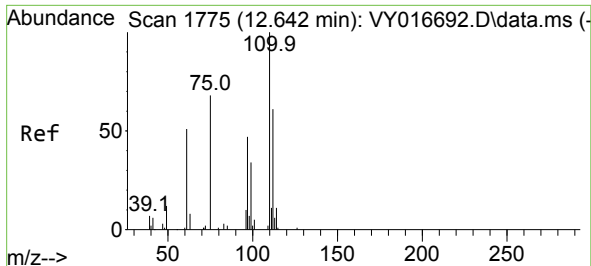
Ion Ratio Lower Upper

152 100

115 53.8 28.2 84.7

150 155.3 0.0 350.6

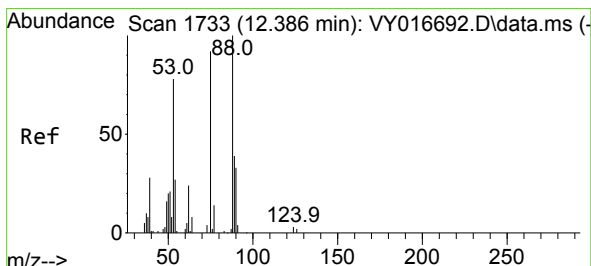
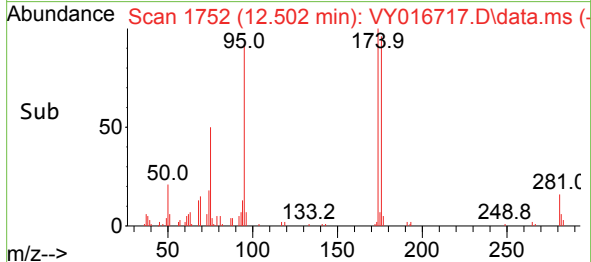
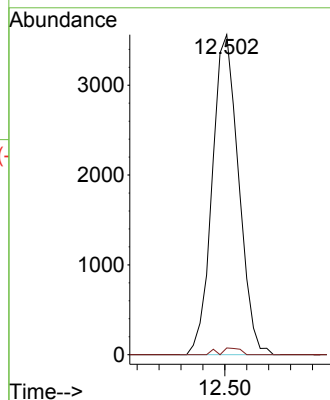
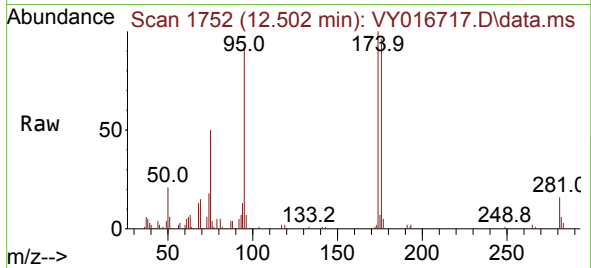




#76
1,2,3-Trichloropropane
Concen: 55.144 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 5963
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.521 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016717.D
Acq: 20 Dec 2023 00:44

Tgt Ion: 75 Resp: 5963
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 35.8 53.8#

