

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016819.D
 Acq On : 22 Dec 2023 19:31
 Operator : SY/MD
 Sample : 05879-15
 Misc : 3.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:04:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

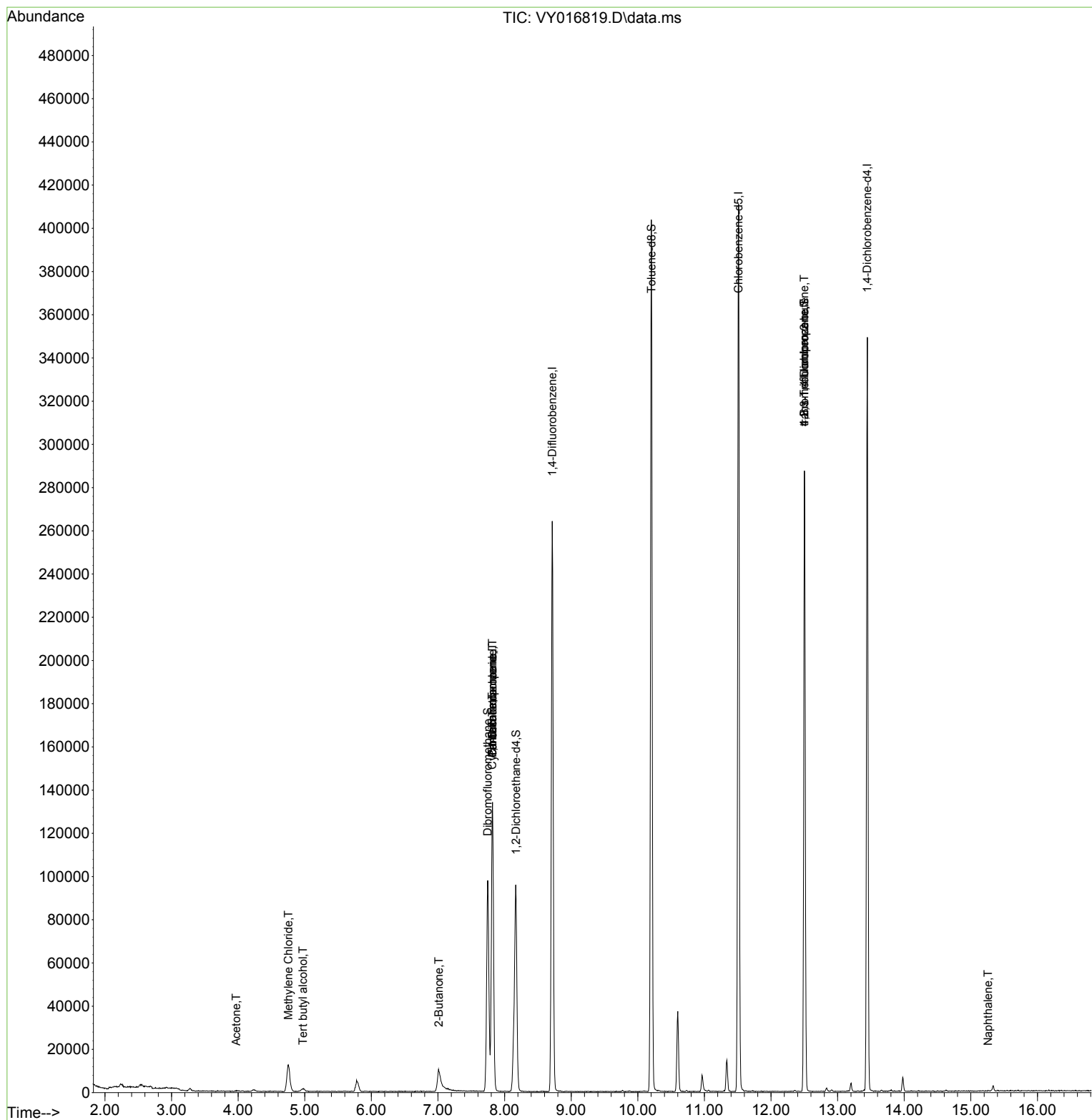
Internal Standards						
1) Pentafluorobenzene	7.819	168	99422	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	224353	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	226516	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	84035	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	65199	71.835	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.680%	
35) Dibromofluoromethane	7.746	113	70080	54.531	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.060%	
50) Toluene-d8	10.203	98	258893	55.882	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.760%	
62) 4-Bromofluorobenzene	12.501	95	83561	55.595	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1938	26.043	ug/l #	75
16) Acetone	3.972	43	729	2.970	ug/l #	41
20) Methylene Chloride	4.753	84	9697	4.966	ug/l	92
25) 2-Butanone	7.015	43	691	2.045	ug/l #	48
31) Cyclohexane	7.813	56	2311	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.819	75	9182	4.457	ug/l #	48
38) Carbon Tetrachloride	7.819	117	10059	4.934	ug/l #	18
76) 1,2,3-Trichloropropane	12.501	75	44117	47.491	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	44117	111.529	ug/l #	13
95) Naphthalene	15.257	128	89	3.625	ug/l #	69

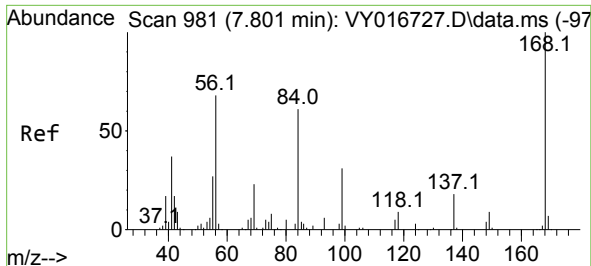
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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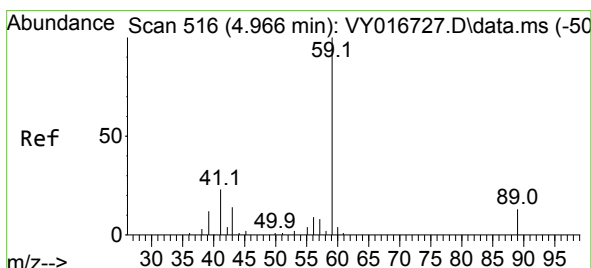
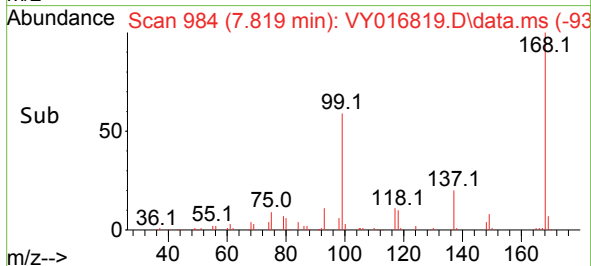
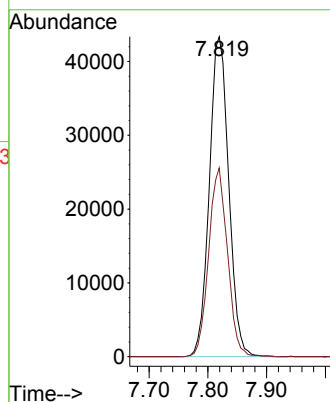
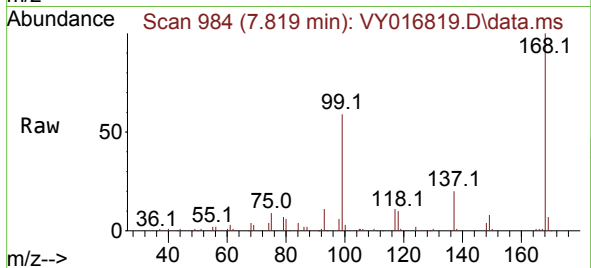




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

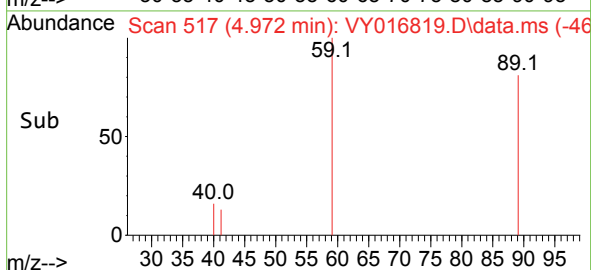
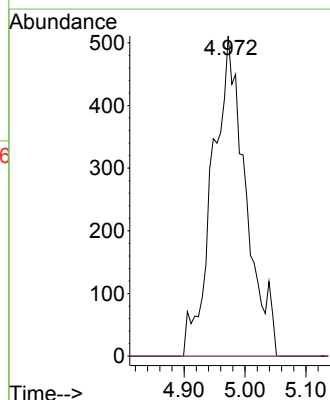
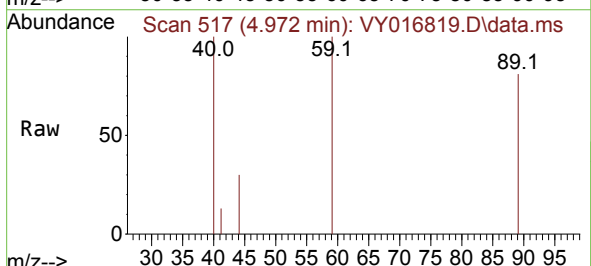
Instrument :
MSVOA_Y
ClientSampleId :

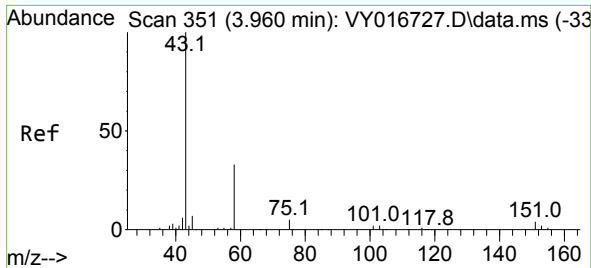
Tgt Ion:168 Resp: 99422
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 26.043 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Tgt Ion: 59 Resp: 1938
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.970 ug/l

RT: 3.972 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Instrument :

MSVOA_Y

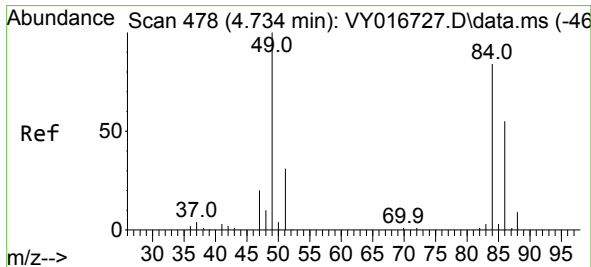
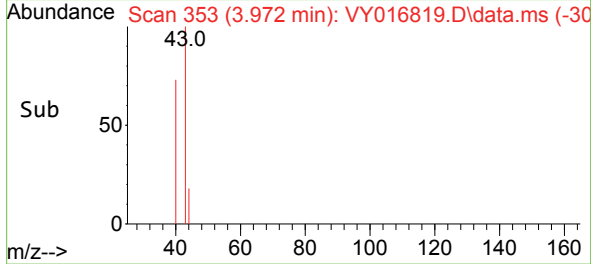
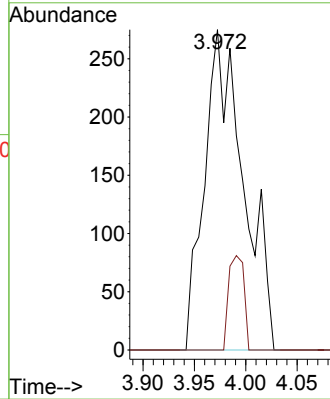
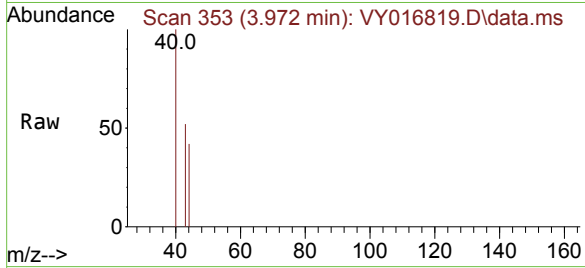
ClientSampleId :

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 4.966 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Tgt Ion: 84 Resp: 9697

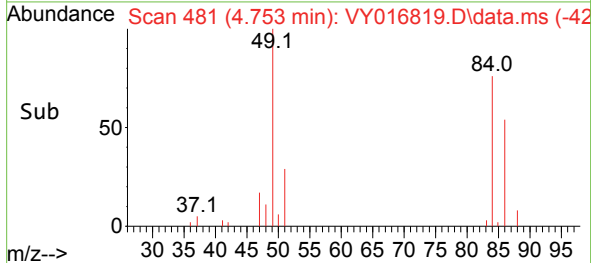
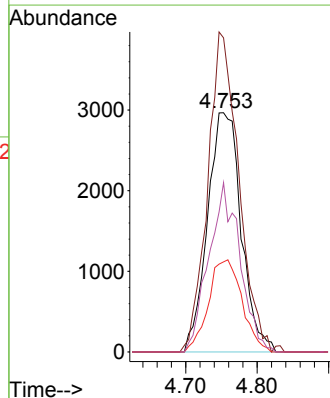
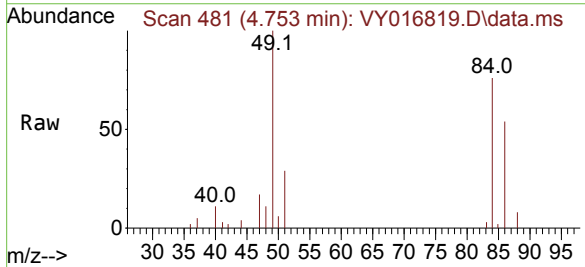
Ion Ratio Lower Upper

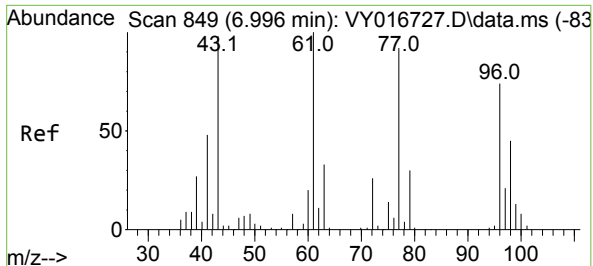
84 100

49 131.3 95.2 142.8

51 37.7 29.9 44.9

86 70.8 52.2 78.4





#25

2-Butanone

Concen: 2.045 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Instrument :

MSVOA_Y

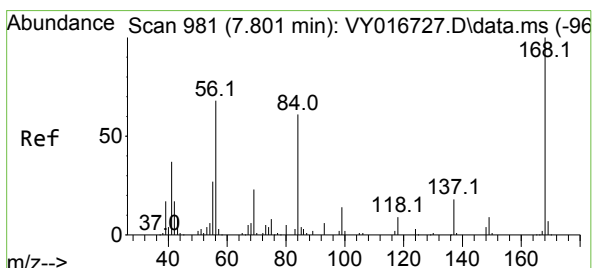
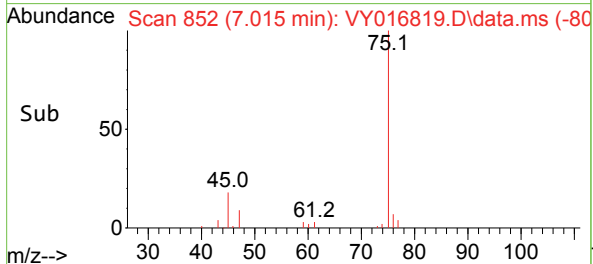
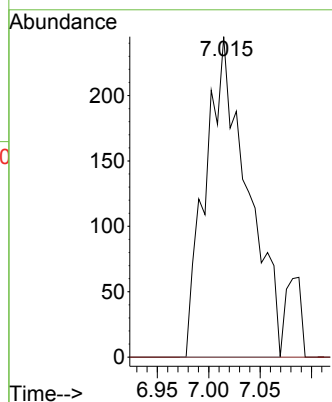
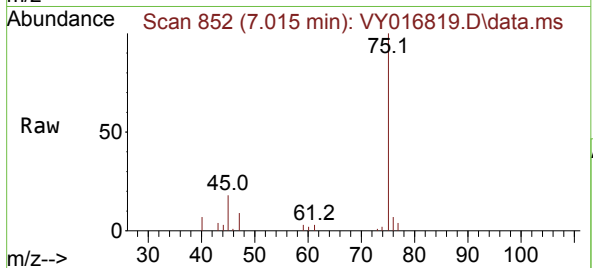
ClientSampleId :

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

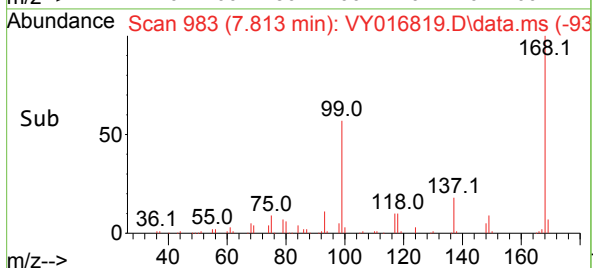
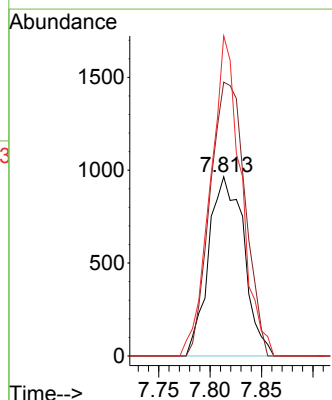
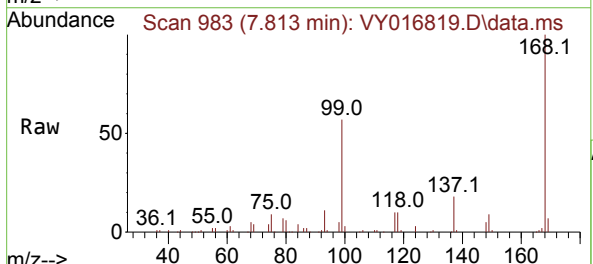
Tgt Ion: 56 Resp: 2311

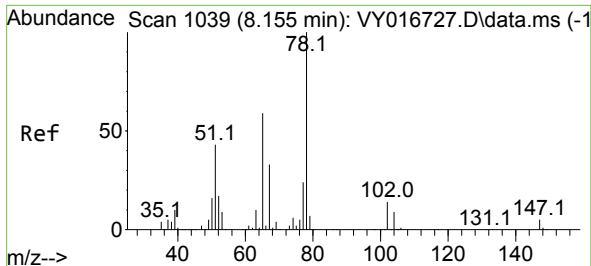
Ion Ratio Lower Upper

56 100

69 152.7 27.0 40.6#

84 178.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 71.835 ug/l

RT: 8.173 min Scan# 1

Delta R.T. 0.018 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Instrument :

MSVOA_Y

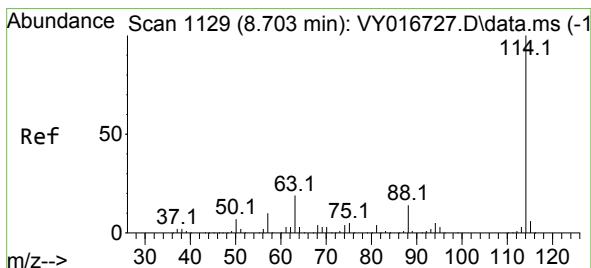
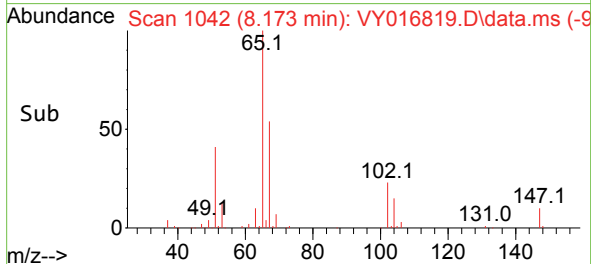
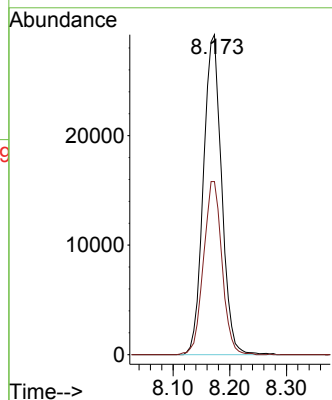
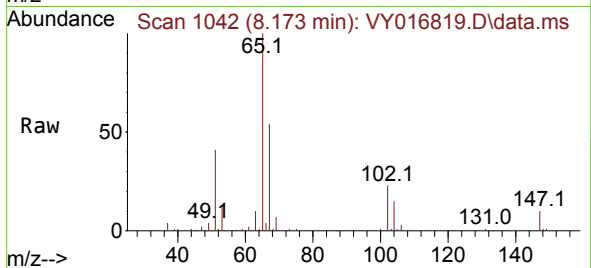
ClientSampleId :

Tgt Ion: 65 Resp: 65199

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

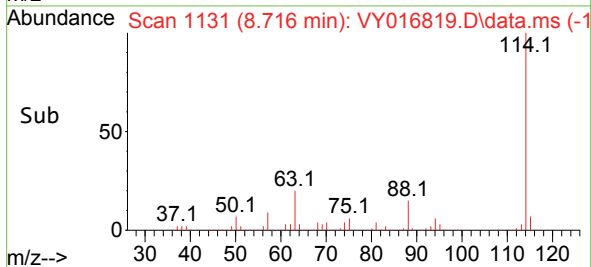
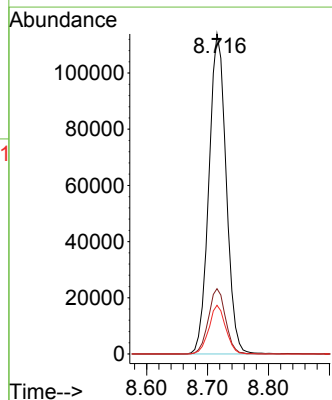
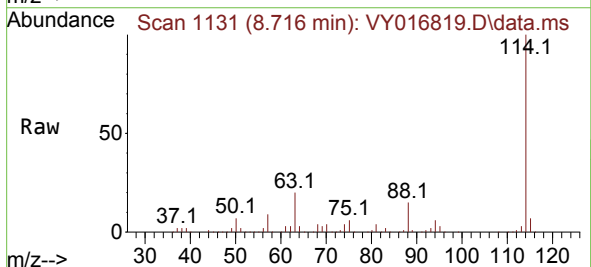
Tgt Ion: 114 Resp: 224353

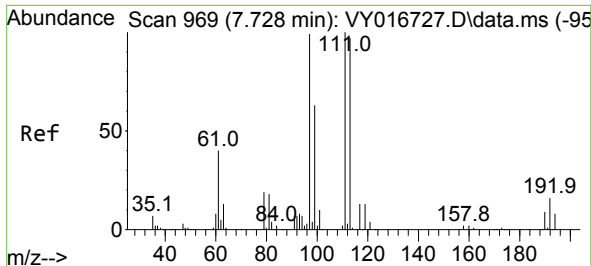
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

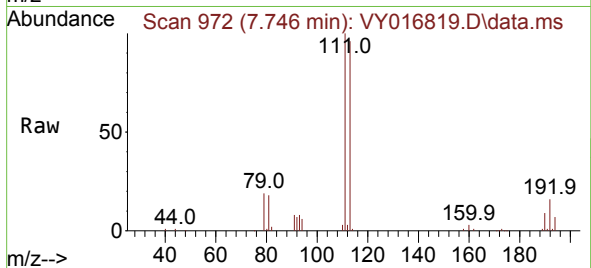
88 15.2 0.0 29.0



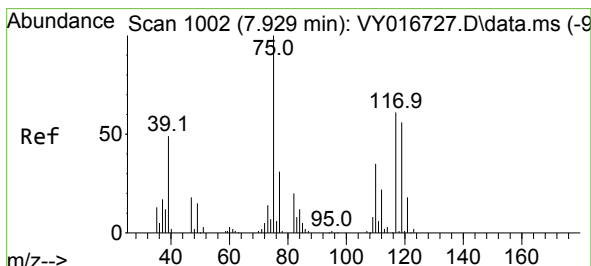
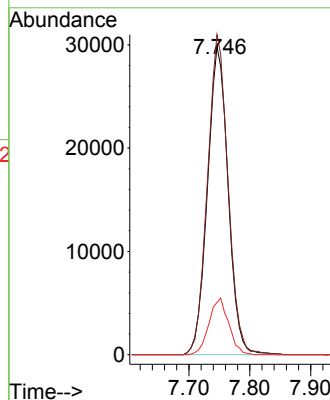
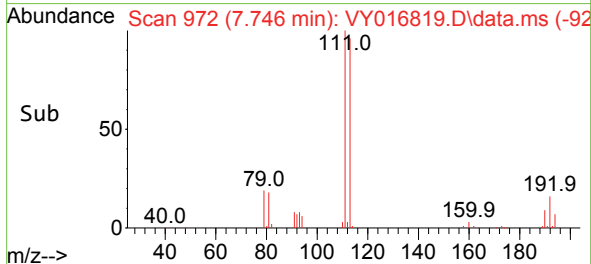


#35
Dibromofluoromethane
Concen: 54.531 ug/l
RT: 7.746 min Scan# 911
Delta R.T. 0.018 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Instrument :
MSVOA_Y
ClientSampleId :

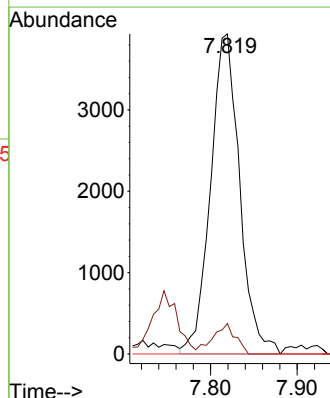
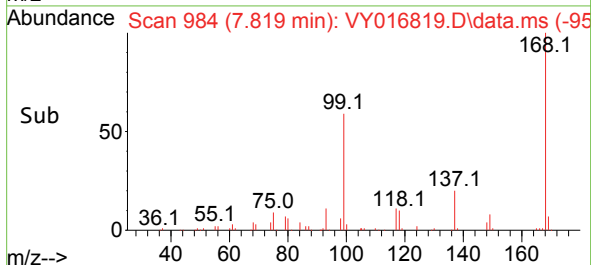
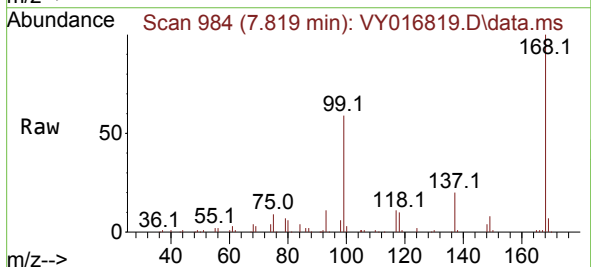


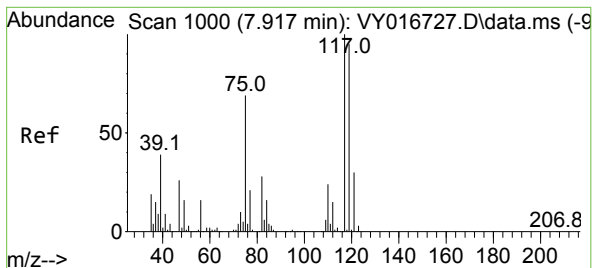
Tgt Ion:113 Resp: 70080
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.6
192 17.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.457 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Tgt Ion: 75 Resp: 9182
Ion Ratio Lower Upper
75 100
110 7.4 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.934 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.097 min

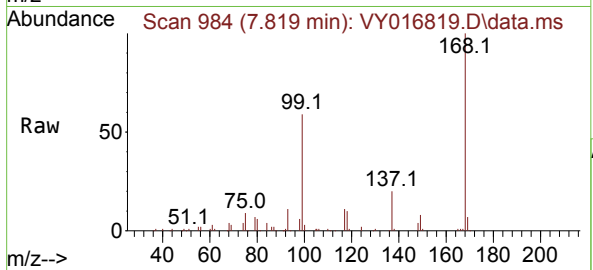
Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :



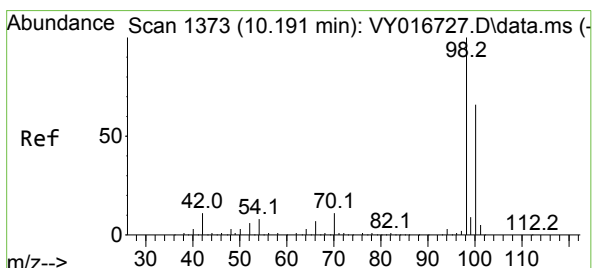
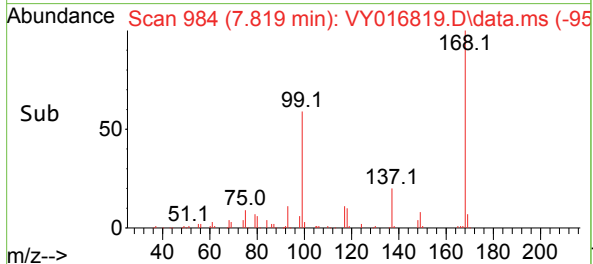
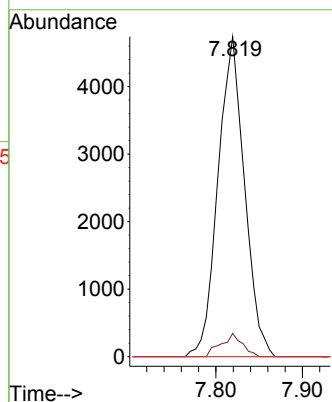
Tgt Ion:117 Resp: 10059

Ion Ratio Lower Upper

117 100

119 7.3 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.882 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016819.D

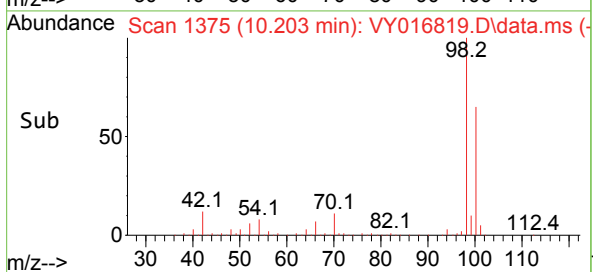
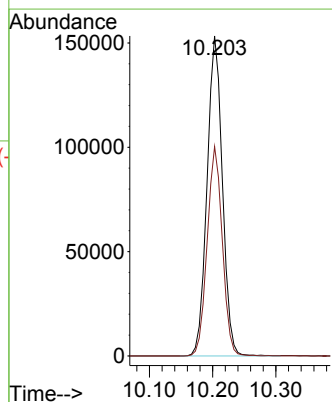
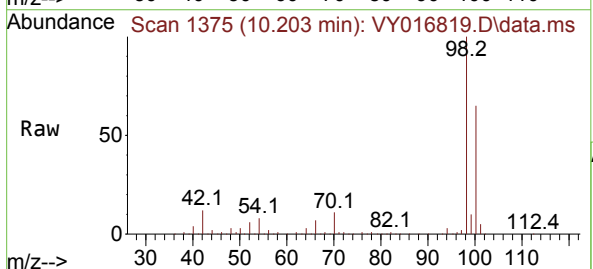
Acq: 22 Dec 2023 19:31

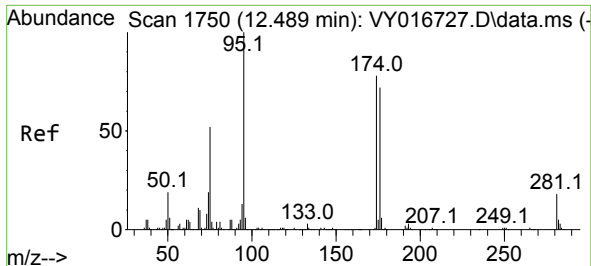
Tgt Ion: 98 Resp: 258893

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

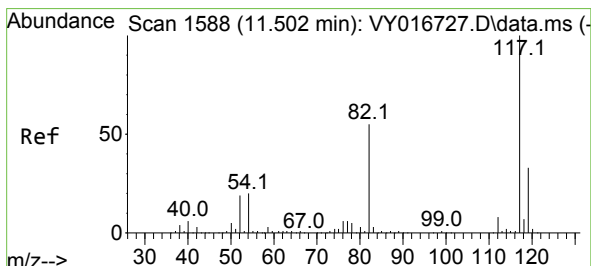
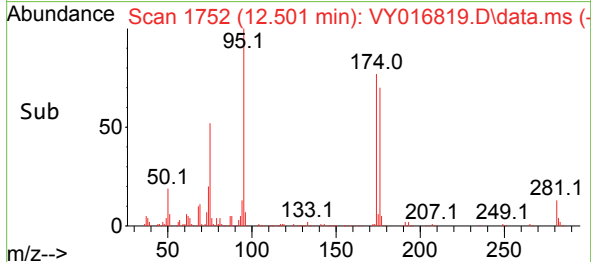
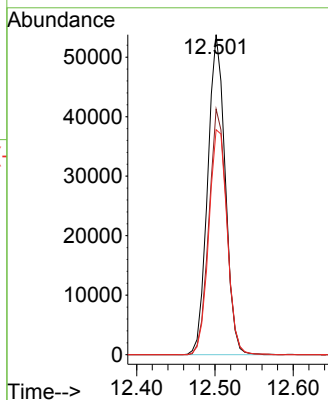
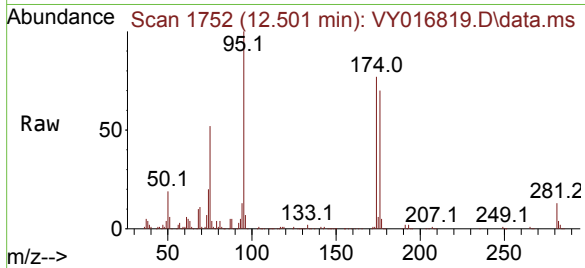




#62
4-Bromofluorobenzene
Concen: 55.595 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

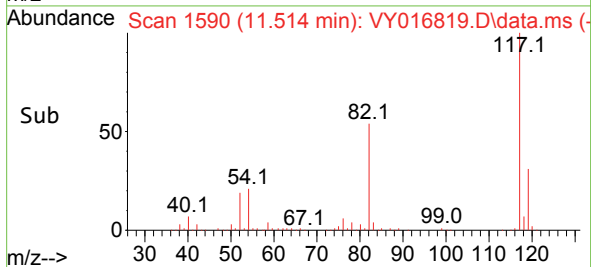
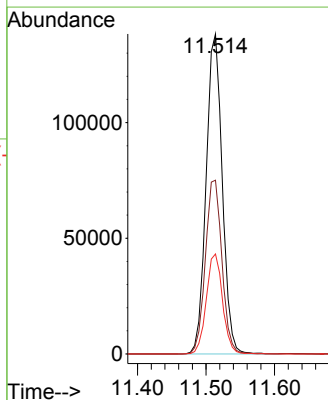
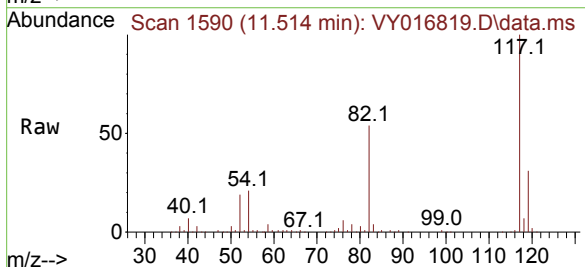
Instrument :
MSVOA_Y
ClientSampleId :

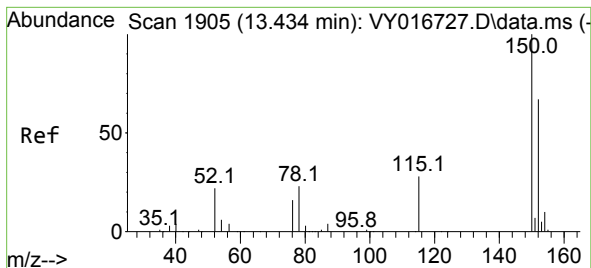
Tgt Ion: 95 Resp: 83561
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.0
176 73.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Tgt Ion: 117 Resp: 226516
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 31.3 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016819.D

Acq: 22 Dec 2023 19:31

Instrument :

MSVOA_Y

ClientSampleId :

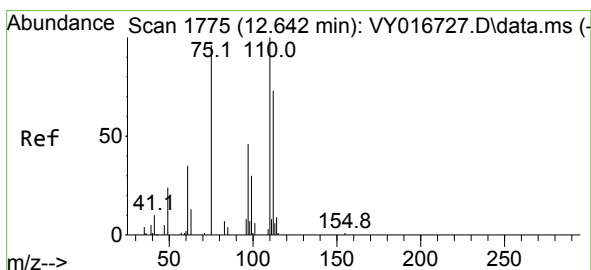
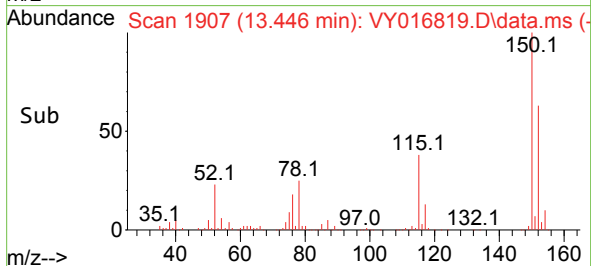
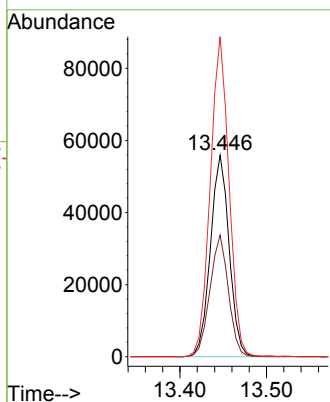
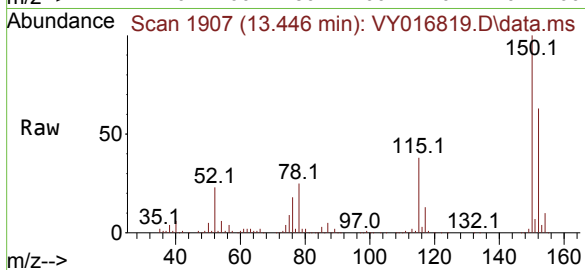
Tgt Ion:152 Resp: 84035

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

150 158.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 47.491 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016819.D

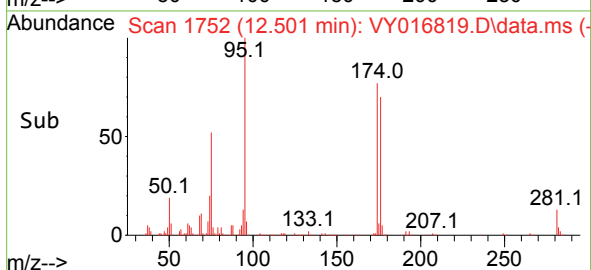
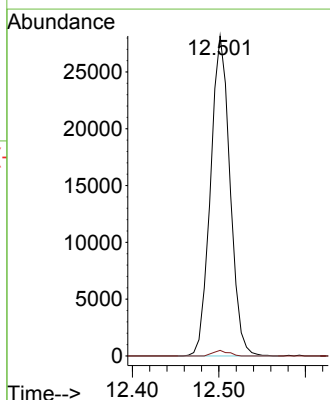
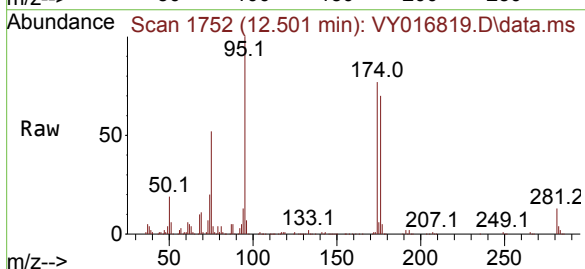
Acq: 22 Dec 2023 19:31

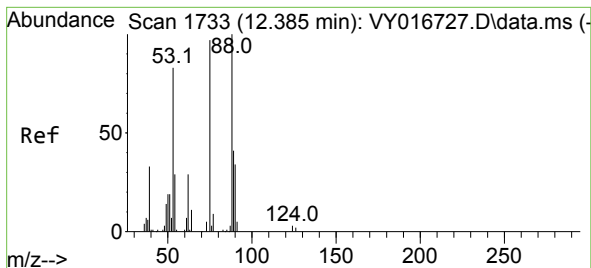
Tgt Ion: 75 Resp: 44117

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

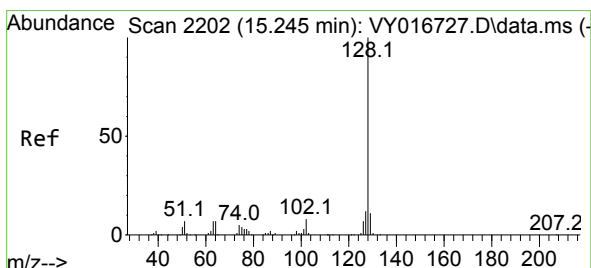
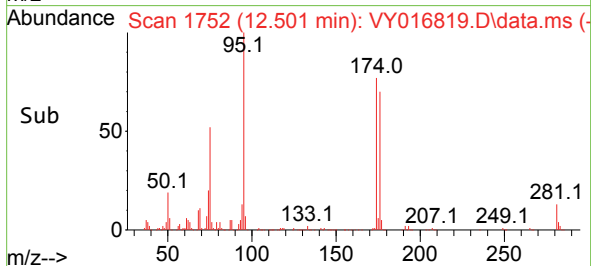
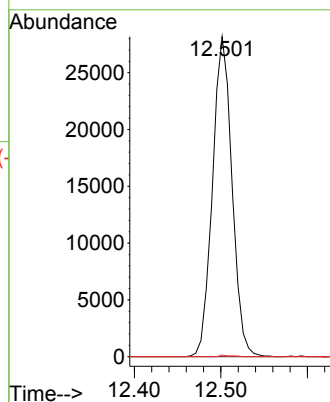
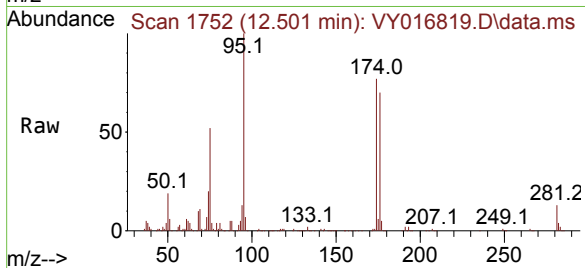




#81
trans-1,4-Dichloro-2-butene
Concen: 111.529 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44117
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.3 36.5 54.7#



#95
Naphthalene
Concen: 3.625 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016819.D
Acq: 22 Dec 2023 19:31

Tgt Ion:128 Resp: 89
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

