

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016881.D
 Acq On : 27 Dec 2023 16:34
 Operator : SY/MD
 Sample : 05879-11RE
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COM06

Quant Time: Dec 28 03:46:54 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)

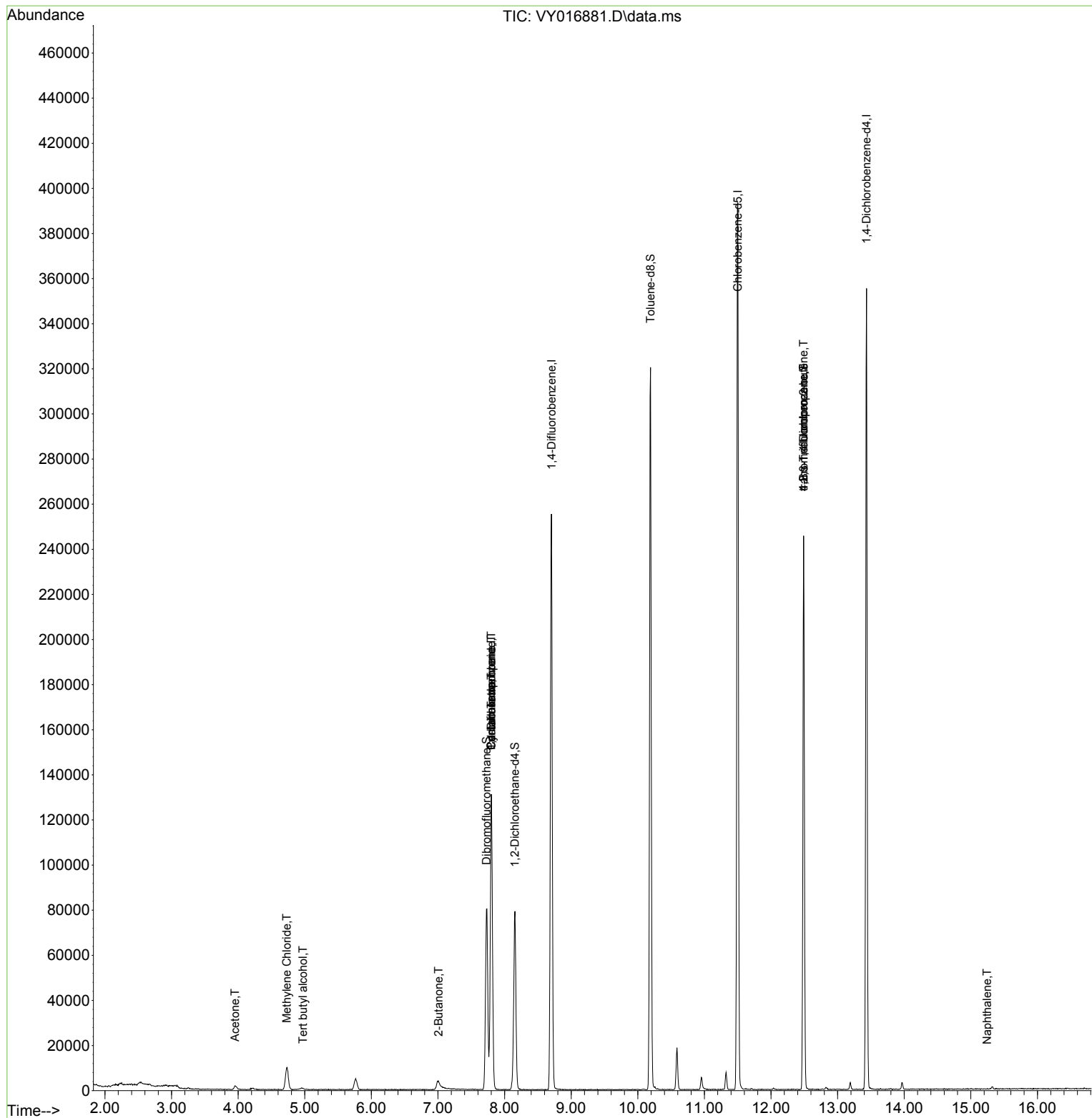
Internal Standards						
1) Pentafluorobenzene	7.801	168	97148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	213602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	58621	66.100	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.200%	
35) Dibromofluoromethane	7.728	113	58707	47.980	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.960%	
50) Toluene-d8	10.191	98	208310	47.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.460%	
62) 4-Bromofluorobenzene	12.489	95	69913	48.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1131	15.554	ug/l #	75
16) Acetone	3.954	43	3042	12.685	ug/l	95
20) Methylene Chloride	4.729	84	7290	3.150	ug/l	94
25) 2-Butanone	7.009	43	519	1.572	ug/l #	48
31) Cyclohexane	7.801	56	2404	1.415	ug/l #	16
36) 1,1-Dichloropropene	7.801	75	8921	4.548	ug/l #	49
38) Carbon Tetrachloride	7.801	117	10142	5.225	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	37683	40.450	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	37683	94.994	ug/l #	12
95) Naphthalene	15.245	128	82	3.622	ug/l #	69

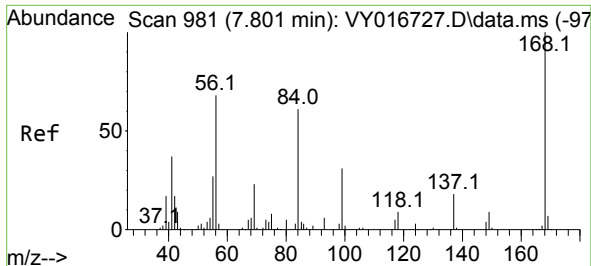
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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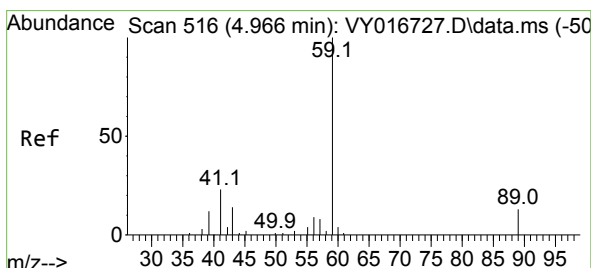
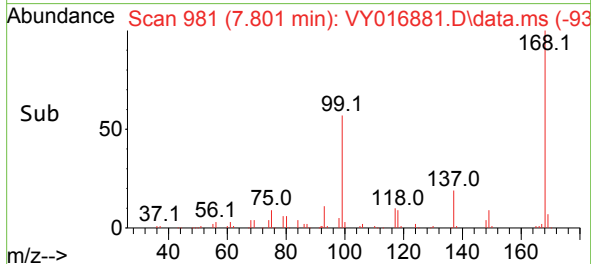
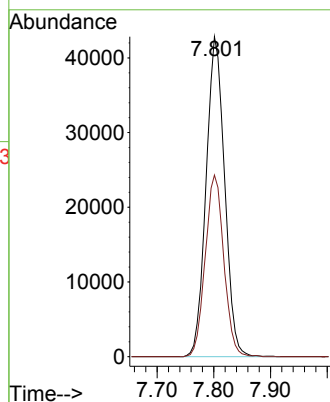
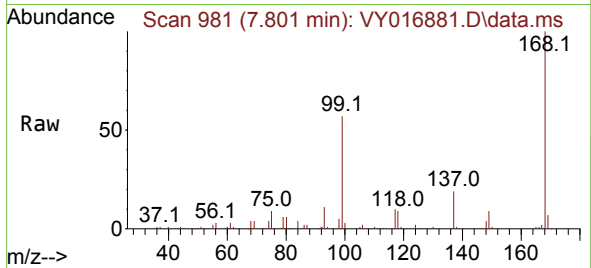




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

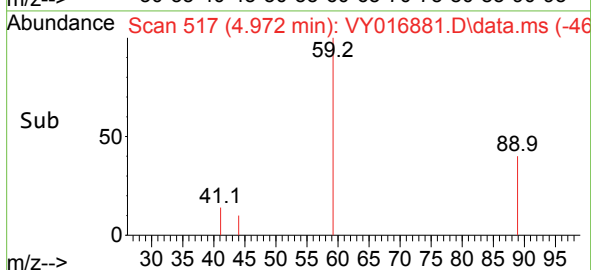
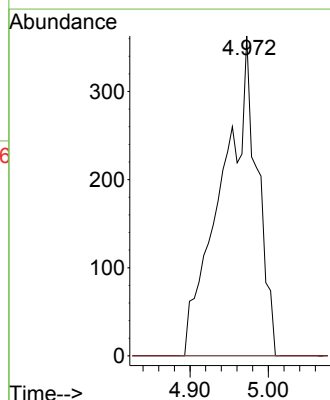
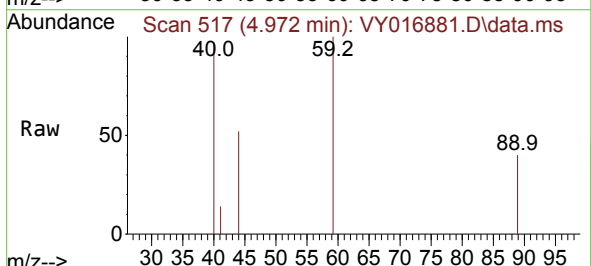
Instrument :
MSVOA_Y
ClientSampleId :
COM06

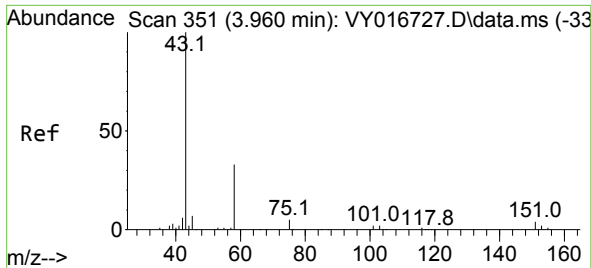
Tgt Ion:168 Resp: 97148
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 15.554 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

Tgt Ion: 59 Resp: 1131
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 12.685 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY016881.D

Acq: 27 Dec 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

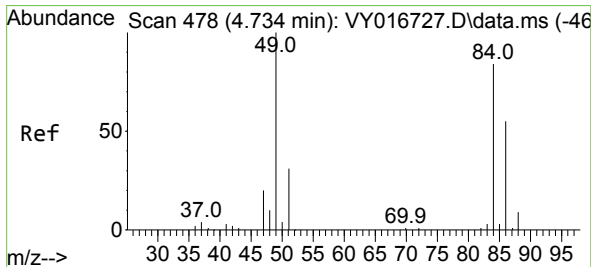
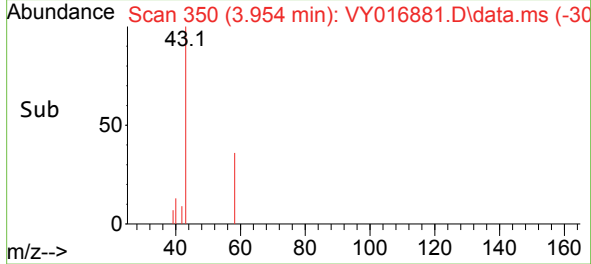
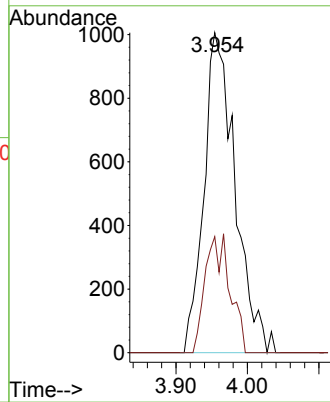
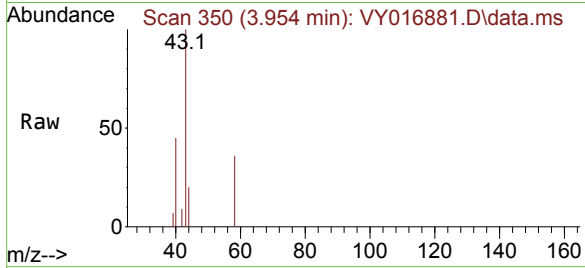
COM06

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

43 100

58 36.3 26.6 39.8



#20

Methylene Chloride

Concen: 3.150 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.005 min

Lab File: VY016881.D

Acq: 27 Dec 2023 16:34

Tgt Ion: 84 Resp: 7290

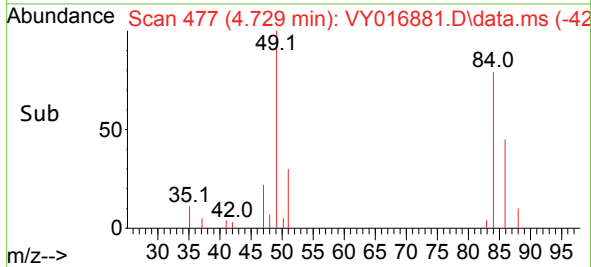
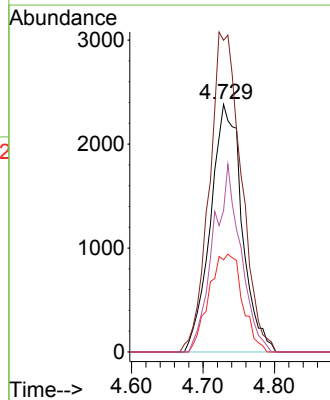
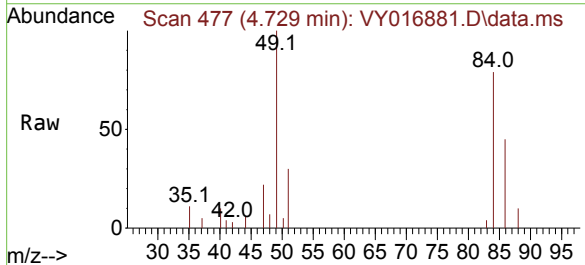
Ion Ratio Lower Upper

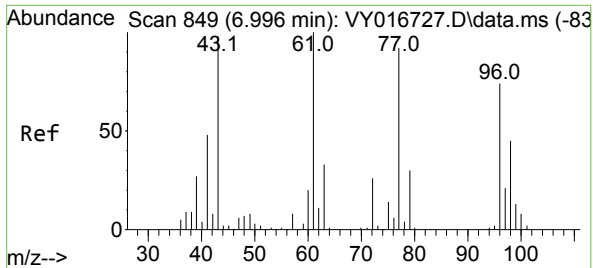
84 100

49 125.8 95.2 142.8

51 37.2 29.9 44.9

86 57.0 52.2 78.4





#25

2-Butanone

Concen: 1.572 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY016881.D

Acq: 27 Dec 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

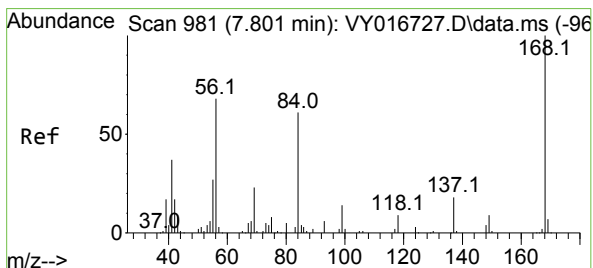
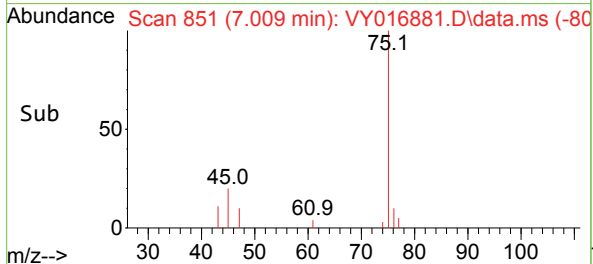
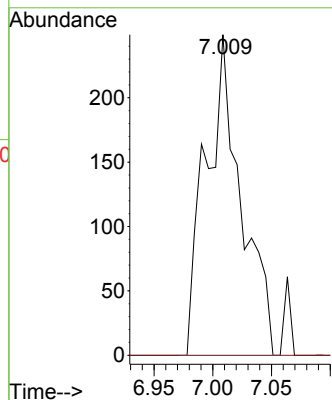
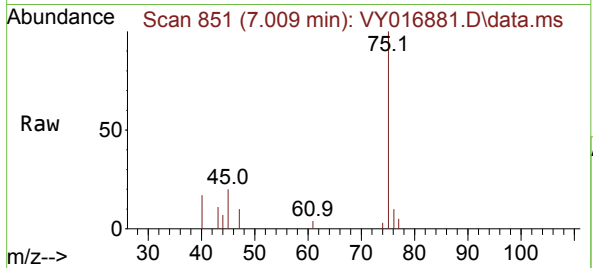
COM06

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY016881.D

Acq: 27 Dec 2023 16:34

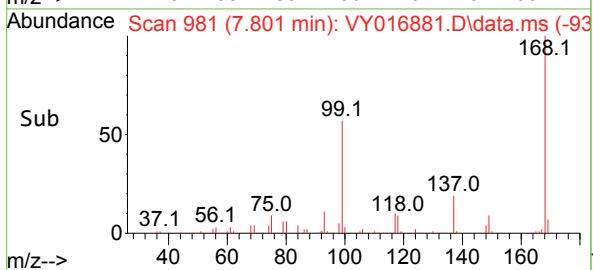
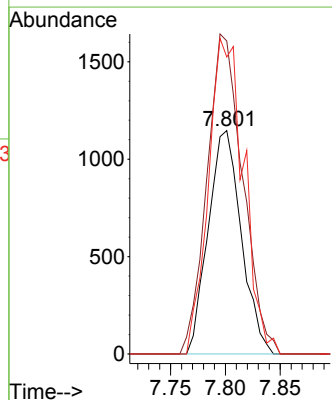
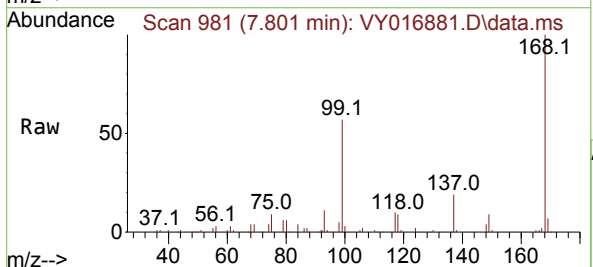
Tgt Ion: 56 Resp: 2404

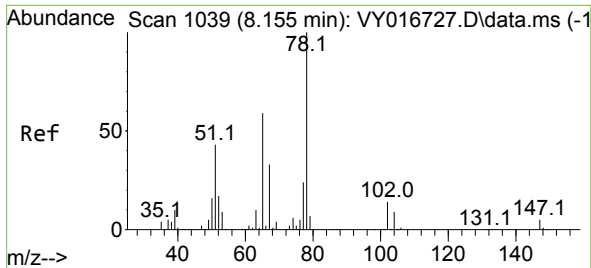
Ion Ratio Lower Upper

56 100

69 140.1 27.0 40.6#

84 133.0 71.8 107.6#

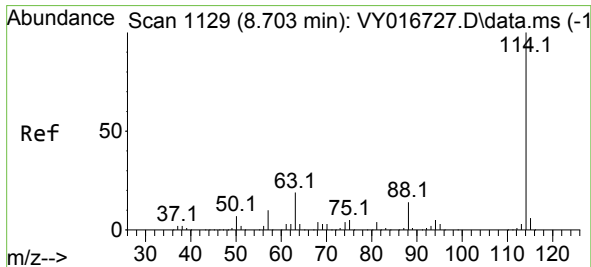
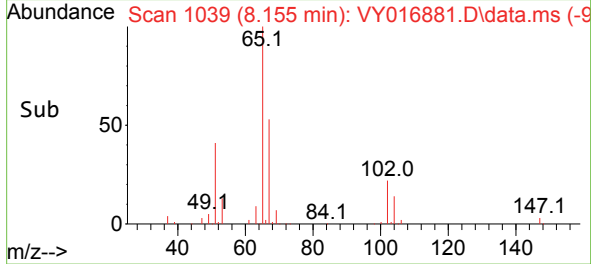
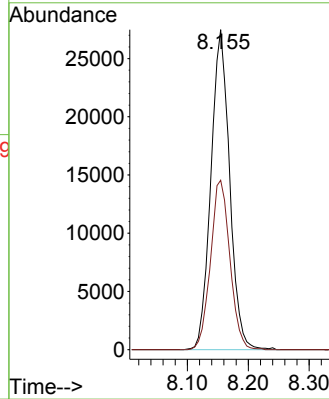
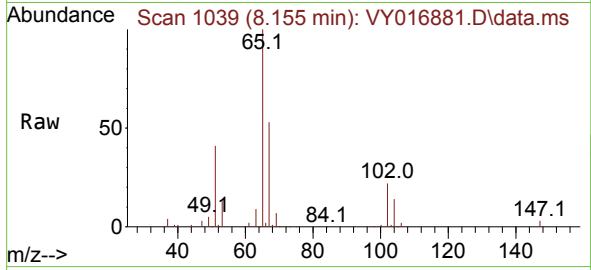




#33
 1,2-Dichloroethane-d4
 Concen: 66.100 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.000 min
 Lab File: VY016881.D
 Acq: 27 Dec 2023 16:34

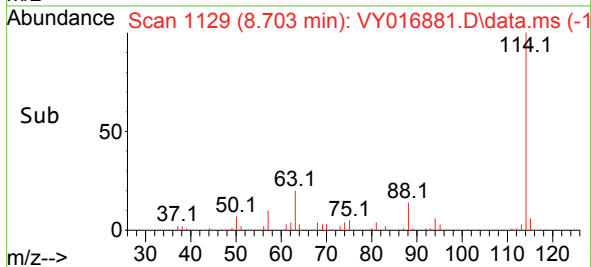
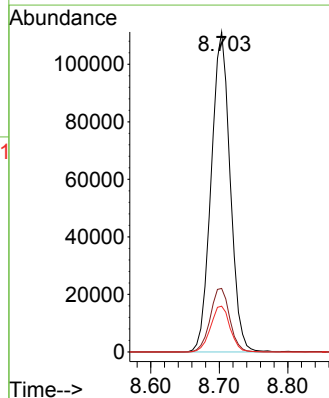
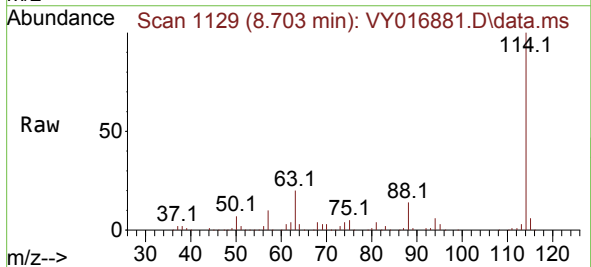
Instrument :
 MSVOA_Y
 ClientSampleId :
 COM06

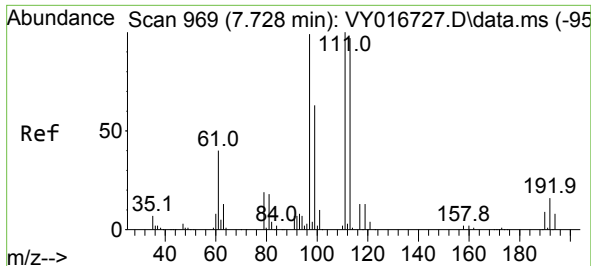
Tgt Ion: 65 Resp: 58621
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VY016881.D
 Acq: 27 Dec 2023 16:34

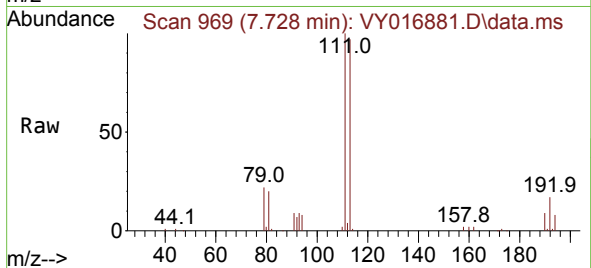
Tgt Ion: 114 Resp: 213602
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 14.3 0.0 29.0



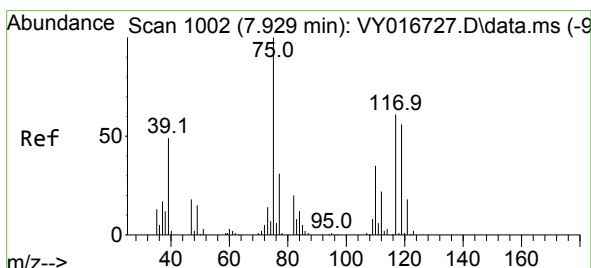
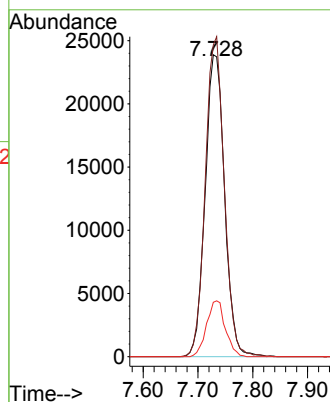
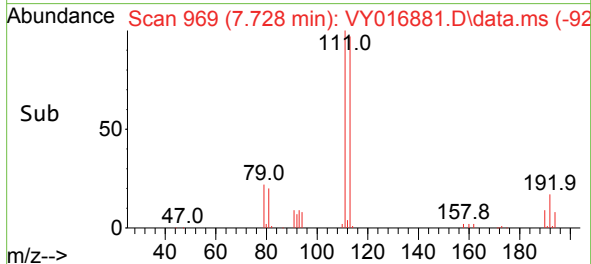


#35
Dibromofluoromethane
Concen: 47.980 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

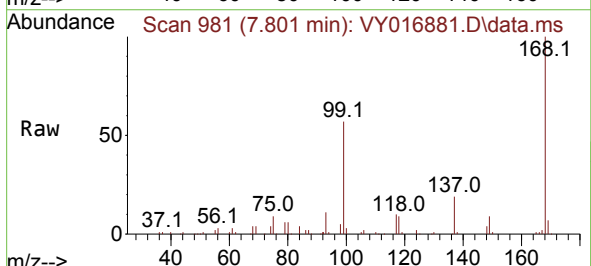
Instrument :
MSVOA_Y
ClientSampleId :
COM06



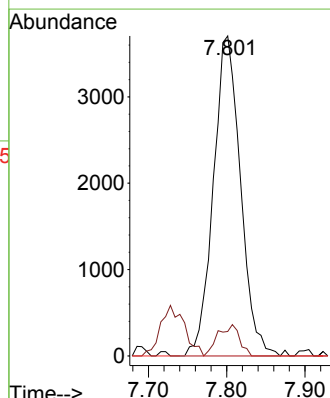
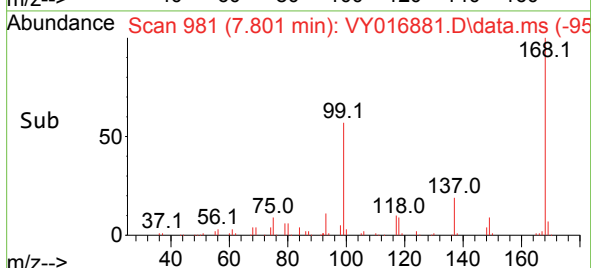
Tgt Ion:113 Resp: 58707
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.6
192 17.8 14.5 21.7

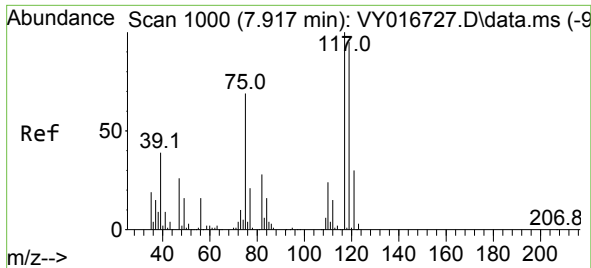


#36
1,1-Dichloropropene
Concen: 4.548 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34



Tgt Ion: 75 Resp: 8921
Ion Ratio Lower Upper
75 100
110 7.8 17.4 52.3#
77 0.0 24.7 37.1#

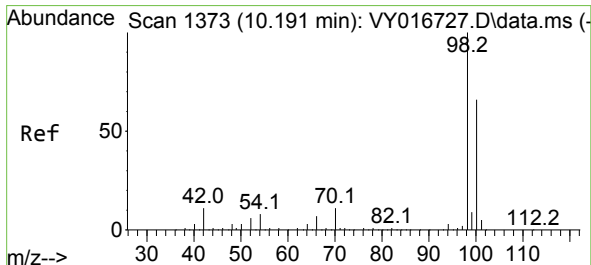
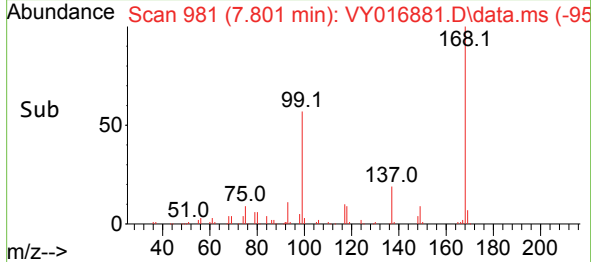
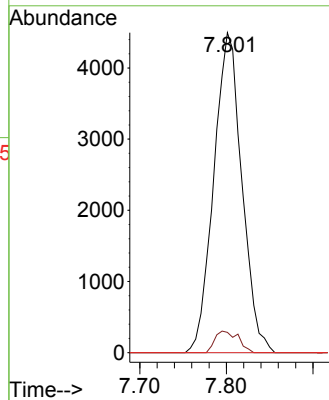
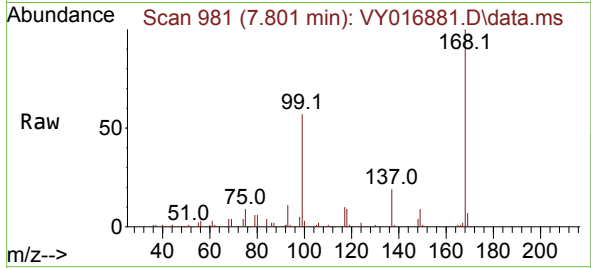




#38
Carbon Tetrachloride
Concen: 5.225 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

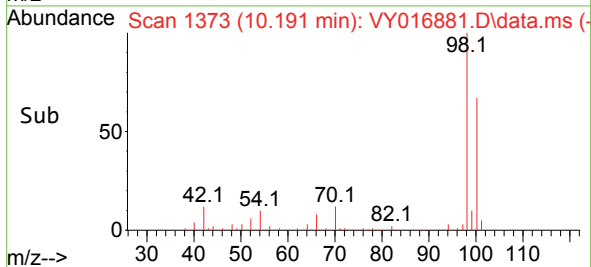
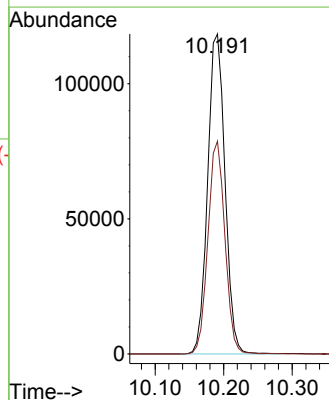
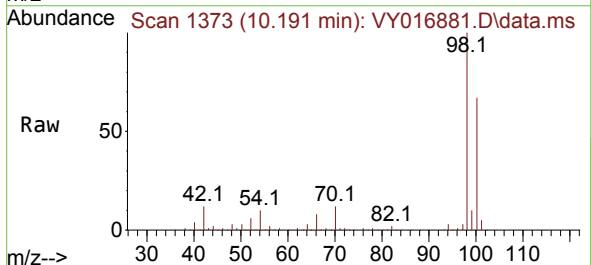
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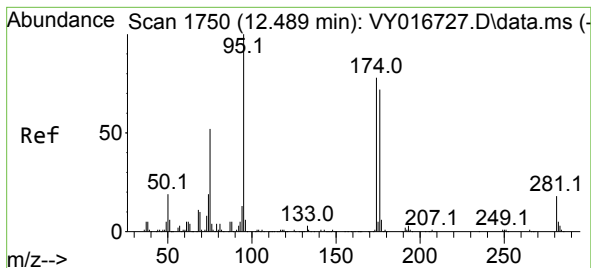
Tgt Ion:117 Resp: 10142
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.227 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

Tgt Ion: 98 Resp: 208310
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

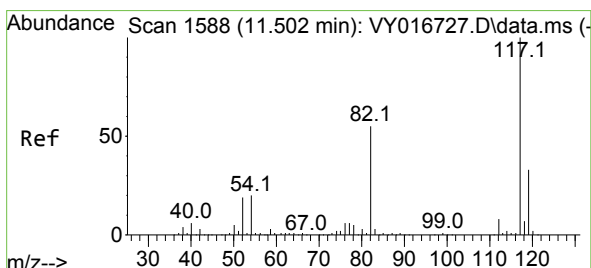
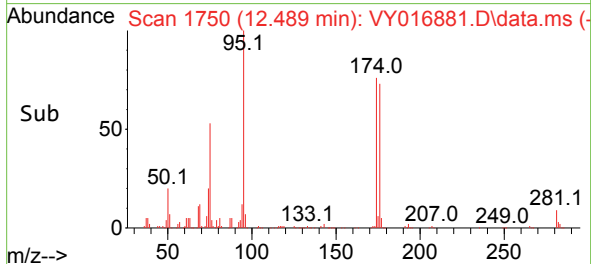
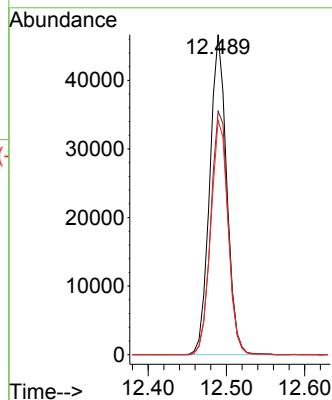
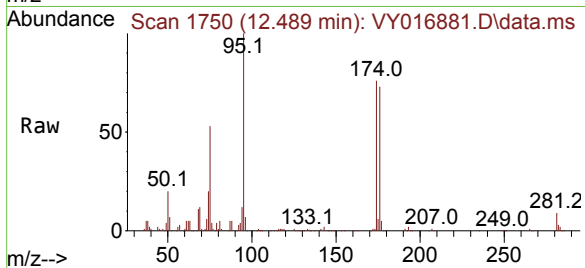




#62
4-Bromofluorobenzene
Concen: 48.856 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

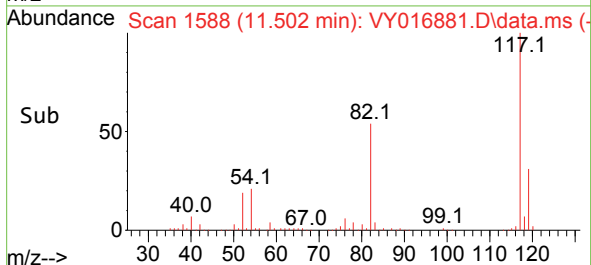
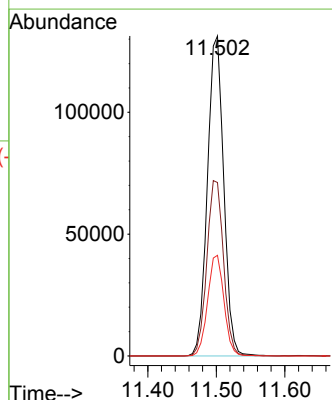
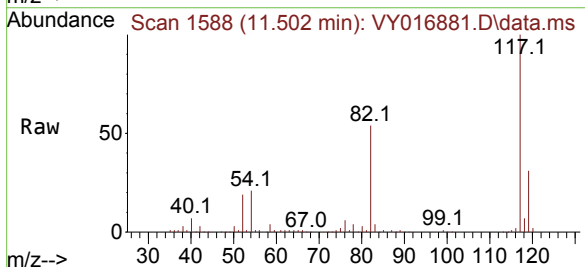
Instrument :
MSVOA_Y
ClientSampleId :
COM06

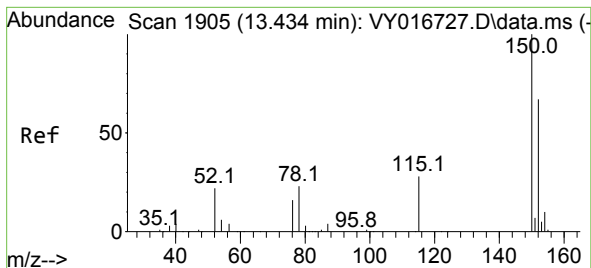
Tgt Ion: 95 Resp: 69913
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 75.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

Tgt Ion: 117 Resp: 217669
Ion Ratio Lower Upper
117 100
82 54.2 43.8 65.8
119 31.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016881.D

Acq: 27 Dec 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

COM06

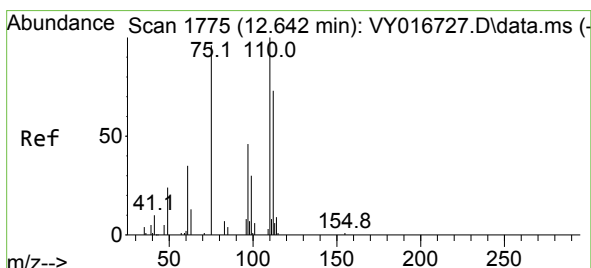
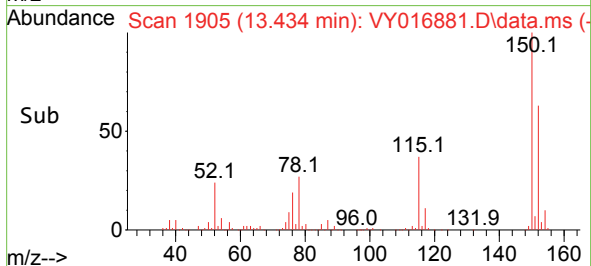
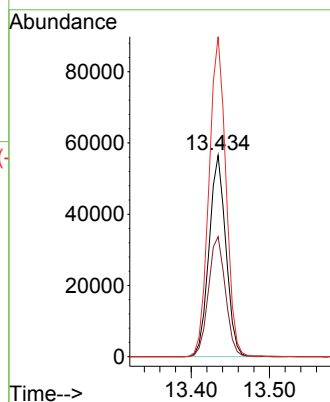
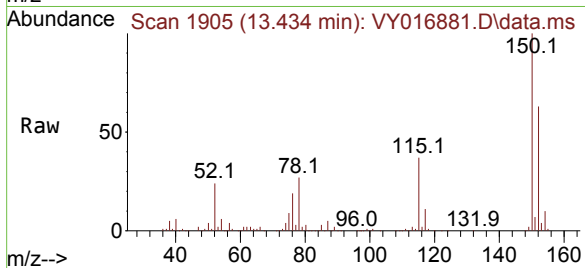
Tgt Ion:152 Resp: 84273

Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

150 159.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 40.450 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016881.D

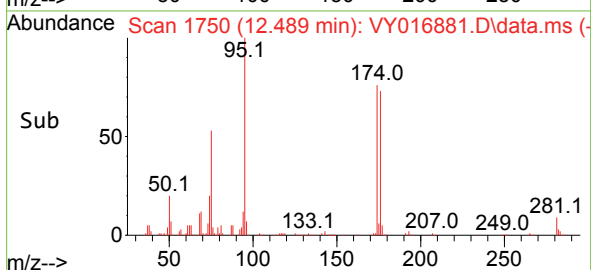
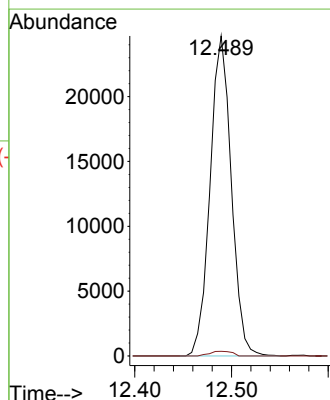
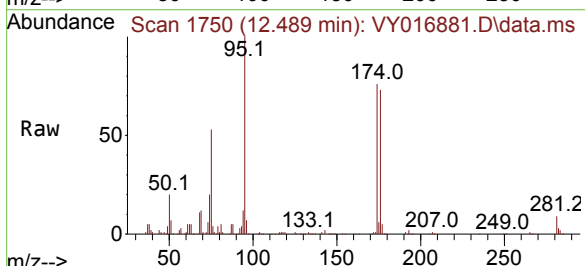
Acq: 27 Dec 2023 16:34

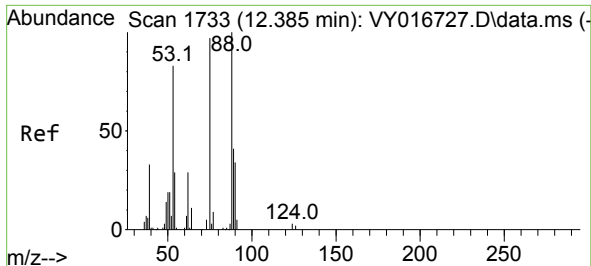
Tgt Ion: 75 Resp: 37683

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

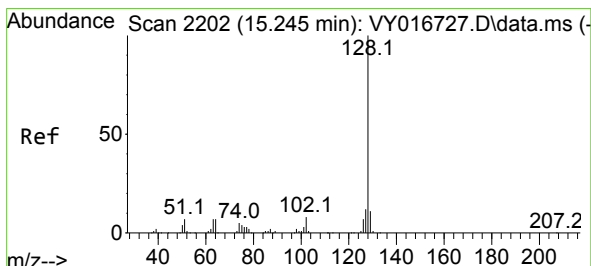
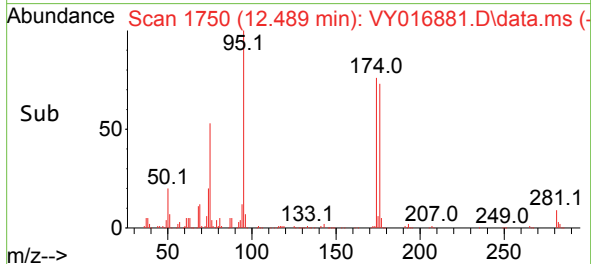
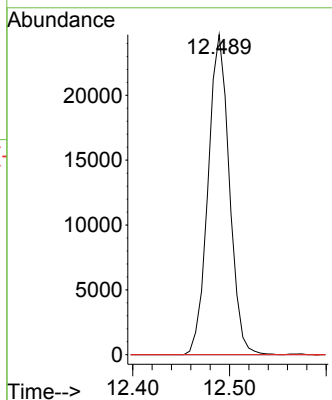
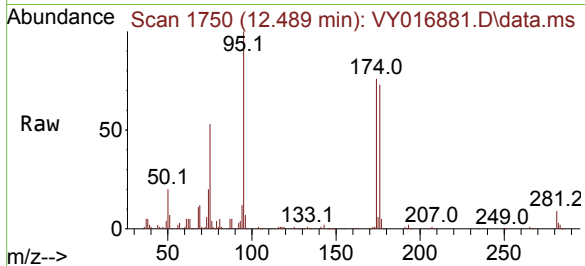




#81
trans-1,4-Dichloro-2-butene
Concen: 94.994 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
COM06

Tgt Ion: 75 Resp: 37683
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 3.622 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY016881.D
Acq: 27 Dec 2023 16:34

Tgt Ion: 128 Resp: 82
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

