

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016400.D
 Acq On : 16 Nov 2023 19:11
 Operator : SY/MD
 Sample : 05449-08
 Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 05:20:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

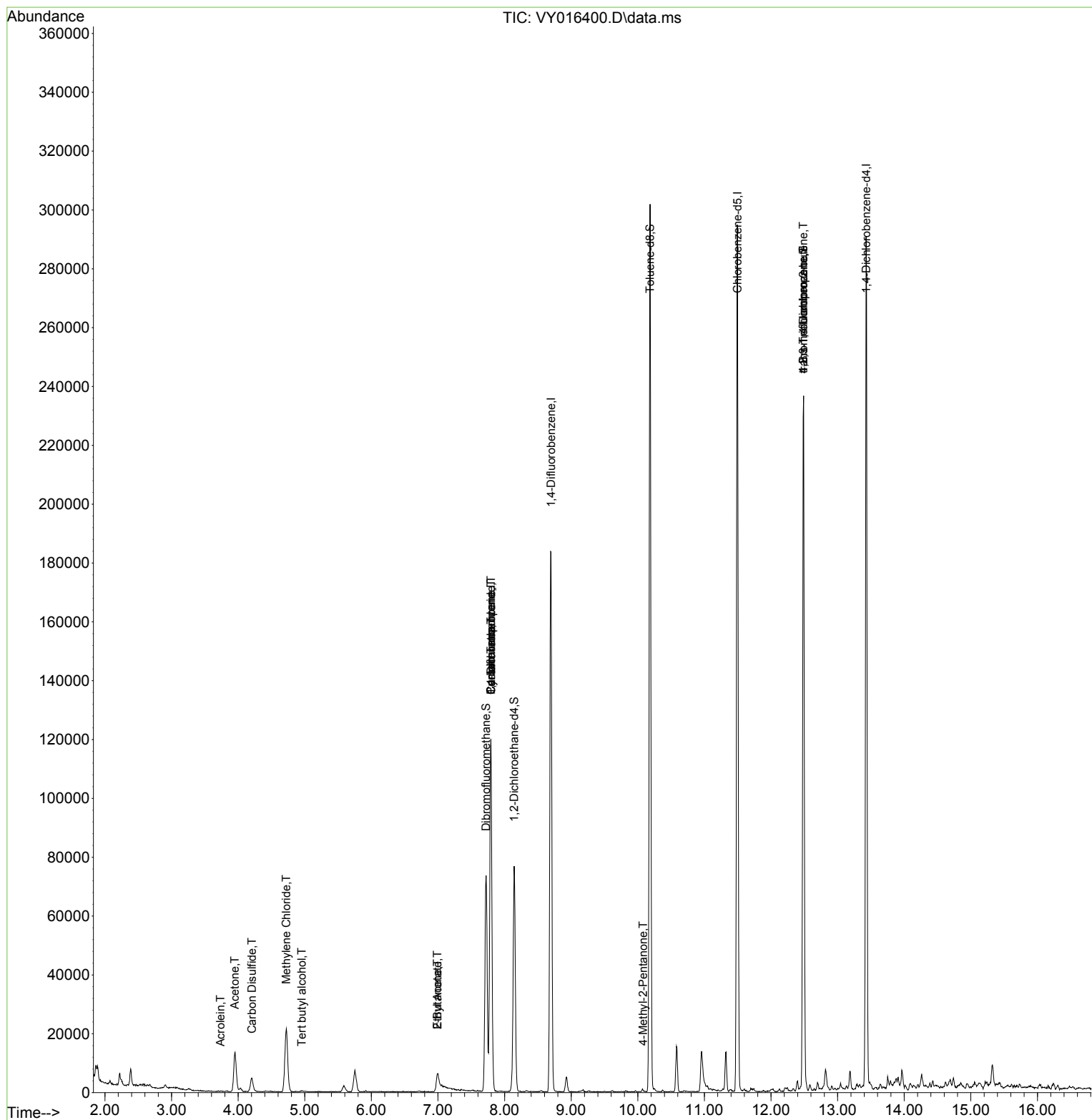
Internal Standards						
1) Pentafluorobenzene	7.795	168	95466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	167225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	163594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	58172	66.671	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.340%	
35) Dibromofluoromethane	7.722	113	52962	55.753	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.500%	
50) Toluene-d8	10.185	98	199858	51.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.760%	
62) 4-Bromofluorobenzene	12.483	95	70742	56.542	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	541	7.918	ug/l #	89
13) Acrolein	3.735	56	98	1.189	ug/l #	53
16) Acetone	3.948	43	23550	163.172	ug/l	93
17) Carbon Disulfide	4.204	76	7052	2.423	ug/l	99
20) Methylene Chloride	4.722	84	16554	13.710	ug/l #	84
25) 2-Butanone	6.990	43	9835	38.905	ug/l	100
31) Cyclohexane	7.795	56	1836	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	6956	4.217	ug/l #	50
37) Ethyl Acetate	6.990	43	9835	14.757	ug/l #	71
38) Carbon Tetrachloride	7.795	117	9309	5.438	ug/l #	15
51) 4-Methyl-2-Pentanone	10.081	43	692	1.062	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	36633	50.015	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36633	108.562	ug/l #	11

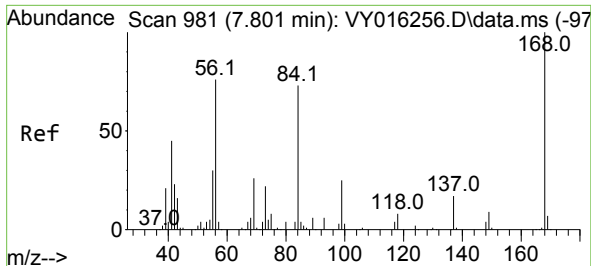
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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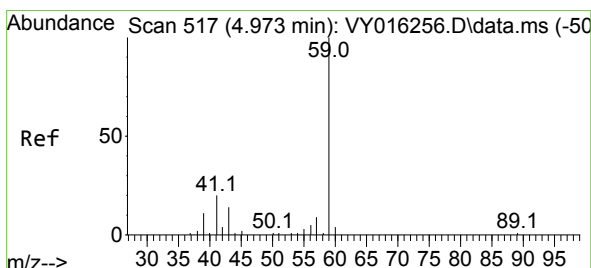
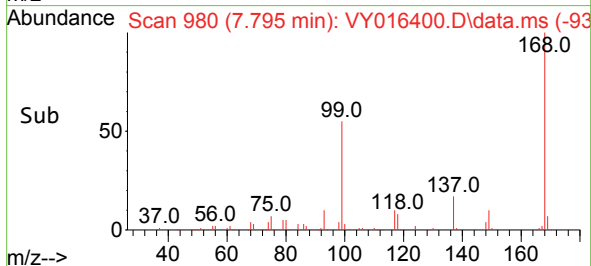
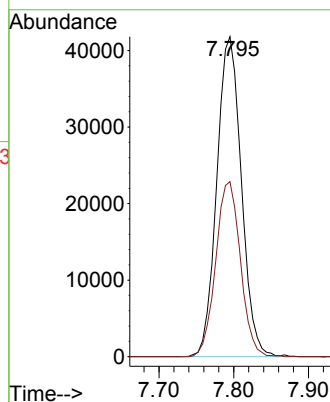
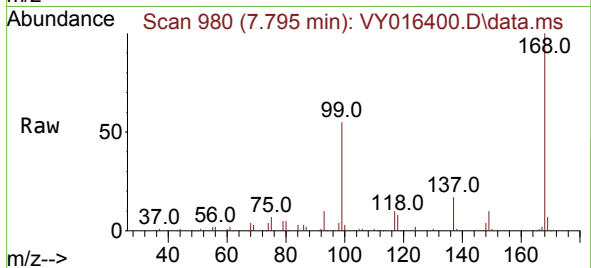




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

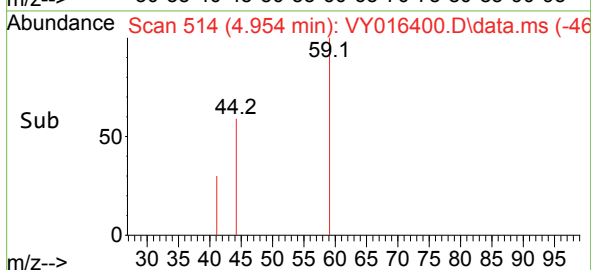
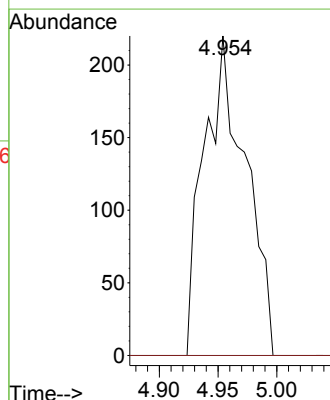
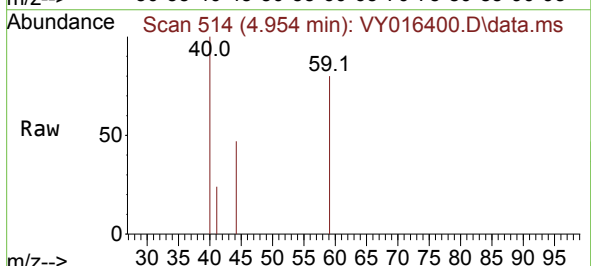
Instrument :
MSVOA_Y
ClientSampleId :

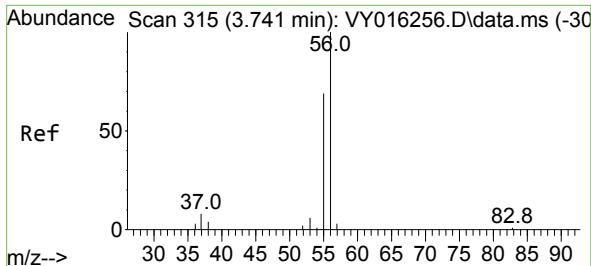
Tgt Ion:168 Resp: 95466
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 7.918 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Tgt Ion: 59 Resp: 541
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.189 ug/l

RT: 3.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016400.D

Acq: 16 Nov 2023 19:11

Instrument :

MSVOA_Y

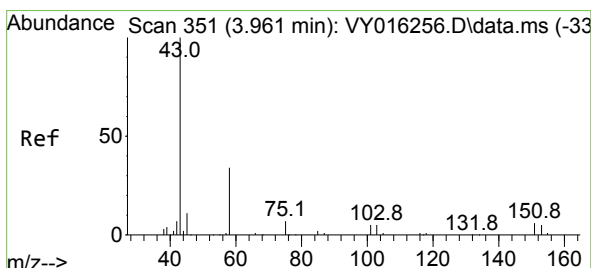
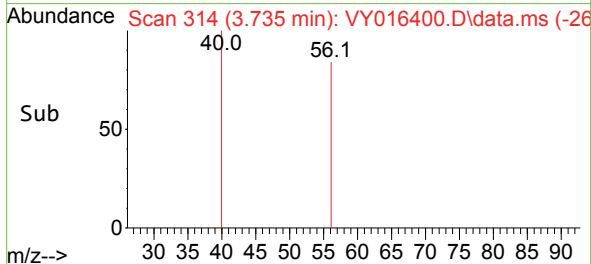
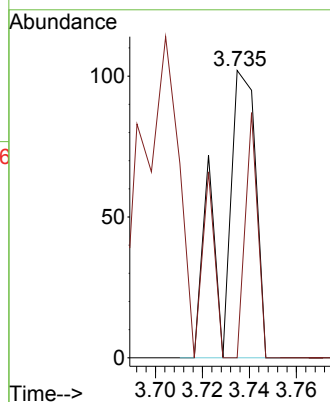
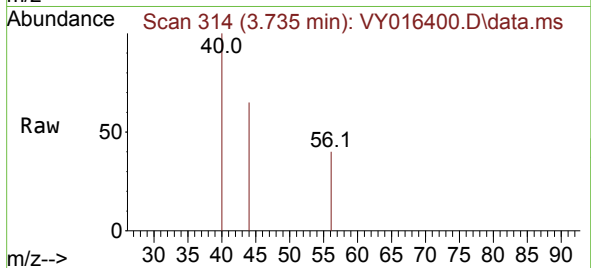
ClientSampleId :

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 32.7 57.0 85.4#



#16

Acetone

Concen: 163.172 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.012 min

Lab File: VY016400.D

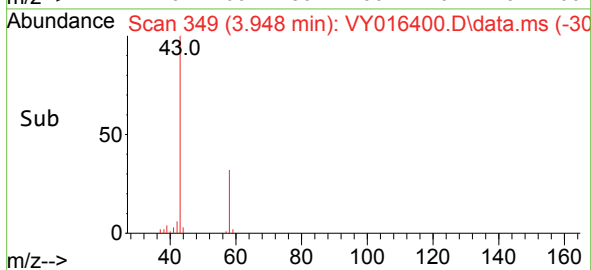
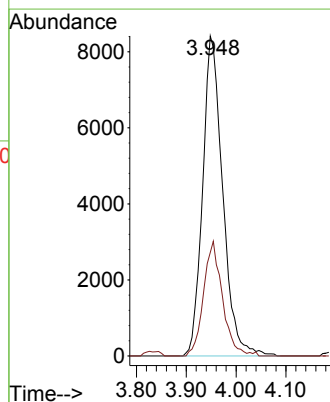
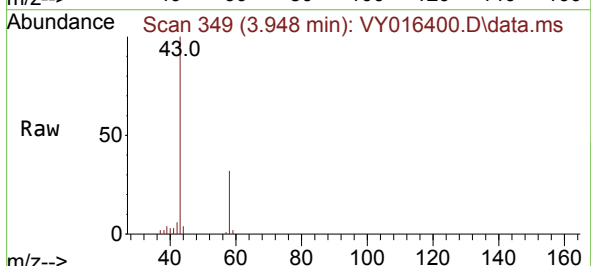
Acq: 16 Nov 2023 19:11

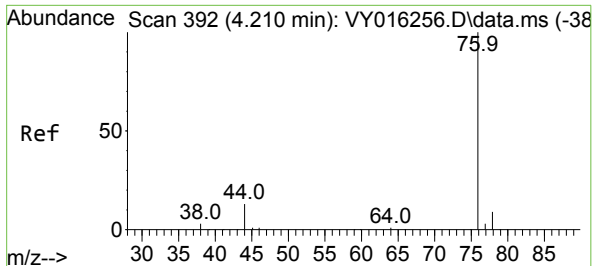
Tgt Ion: 43 Resp: 23550

Ion Ratio Lower Upper

43 100

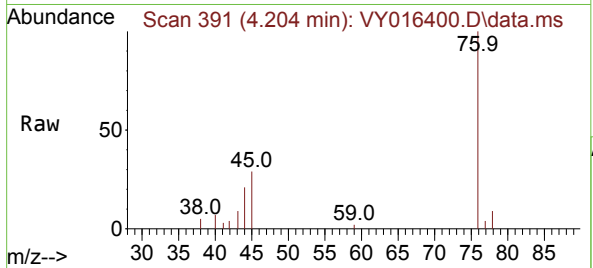
58 32.3 22.7 34.1



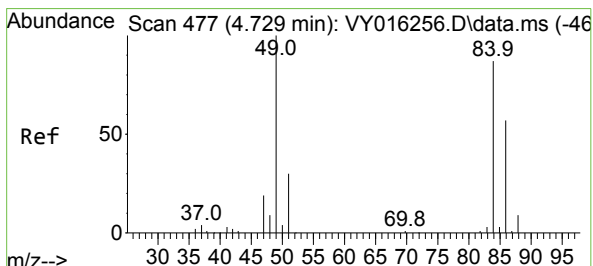
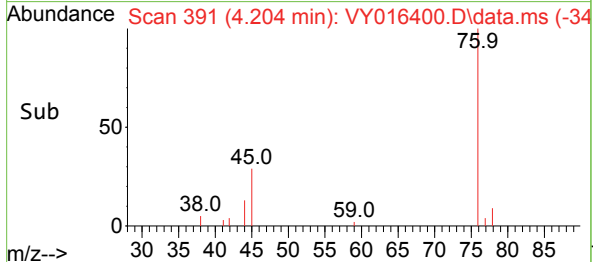
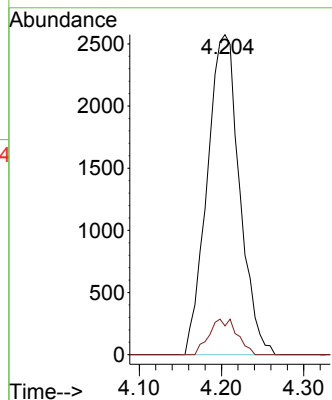


#17
Carbon Disulfide
Concen: 2.423 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Instrument :
MSVOA_Y
ClientSampleId :

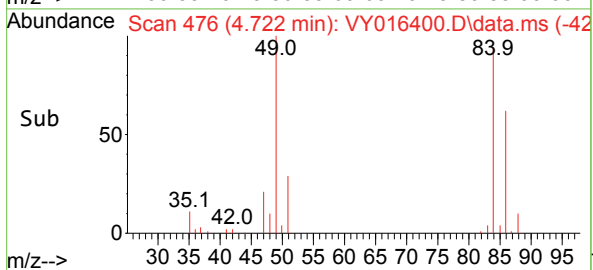
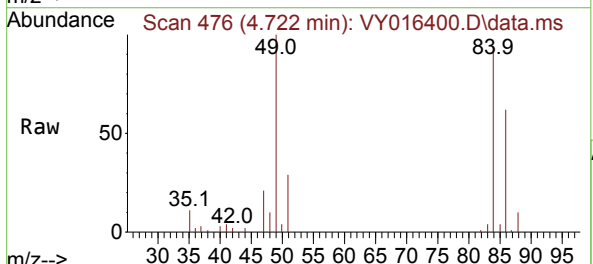
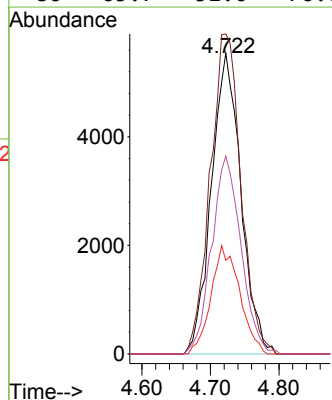


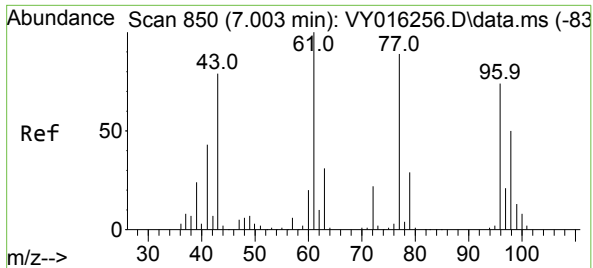
Tgt Ion: 76 Resp: 7052
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#20
Methylene Chloride
Concen: 13.710 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Tgt Ion: 84 Resp: 16554
Ion Ratio Lower Upper
84 100
49 106.4 106.9 160.3#
51 31.1 33.2 49.8#
86 65.7 51.0 76.6

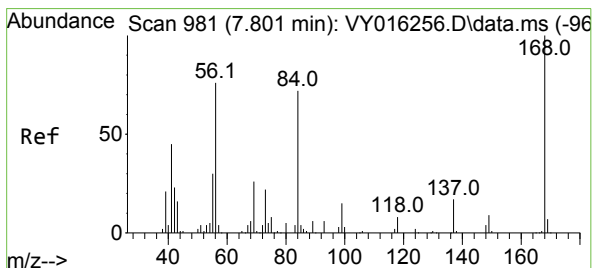
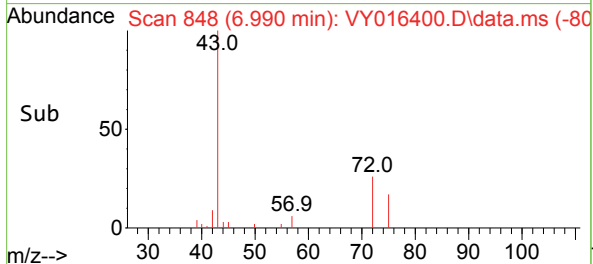
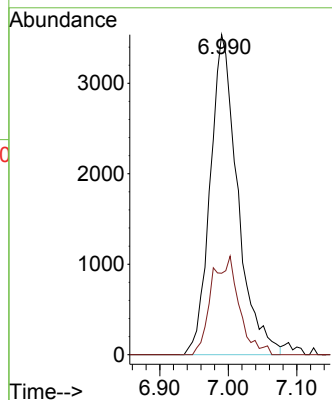
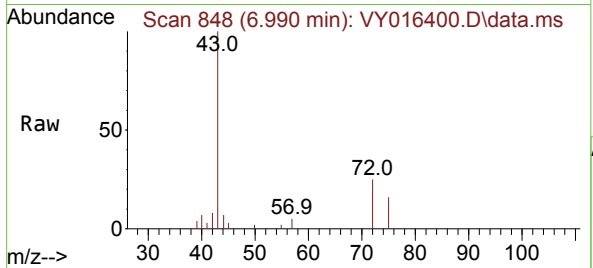




#25
2-Butanone
Concen: 38.905 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

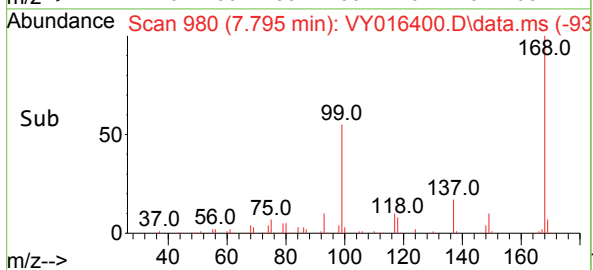
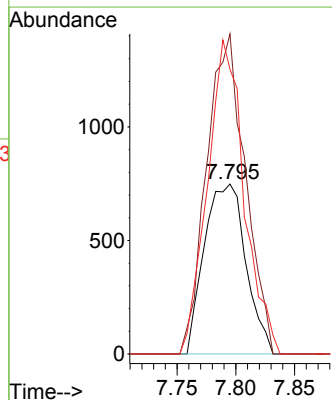
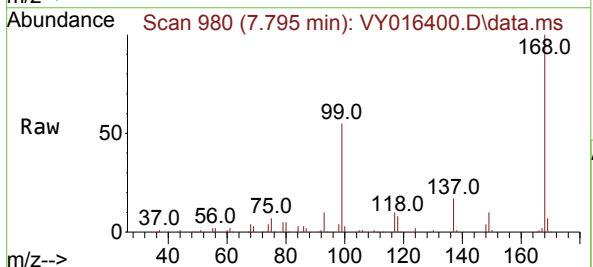
Instrument :
MSVOA_Y
ClientSampleId :

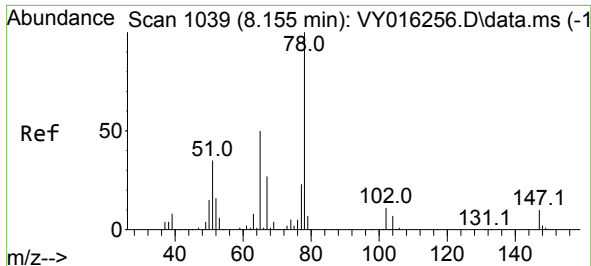
Tgt Ion: 43 Resp: 9835
Ion Ratio Lower Upper
43 100
72 25.4 20.5 30.7



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Tgt Ion: 56 Resp: 1836
Ion Ratio Lower Upper
56 100
69 188.4 27.8 41.6#
84 167.6 66.4 99.6#

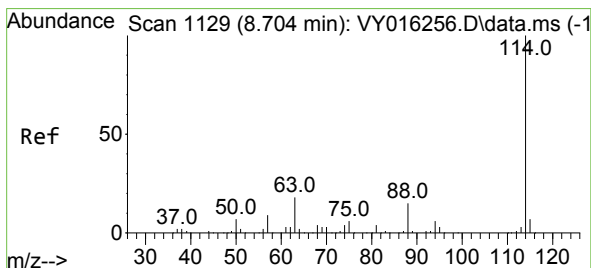
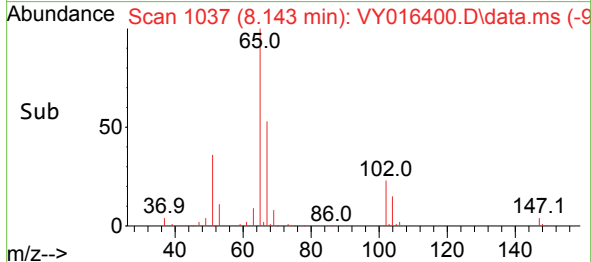
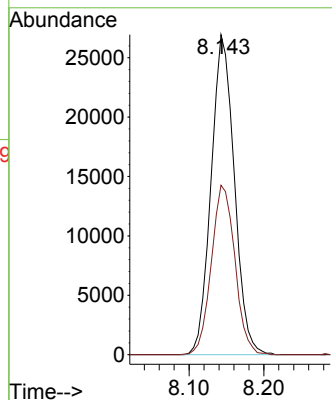
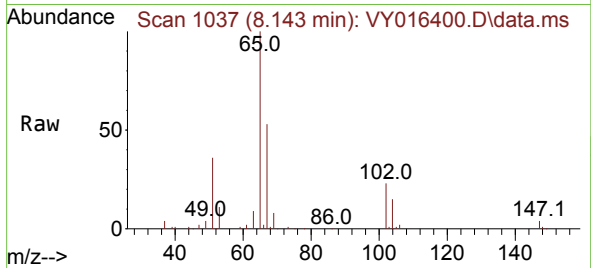




#33
 1,2-Dichloroethane-d4
 Concen: 66.671 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.012 min
 Lab File: VY016400.D
 Acq: 16 Nov 2023 19:11

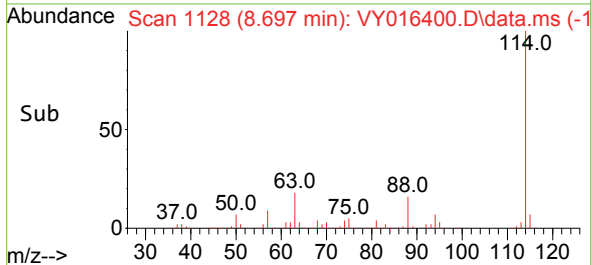
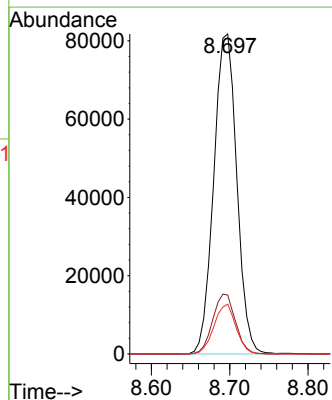
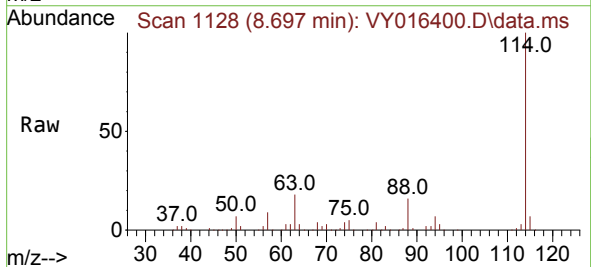
Instrument :
 MSVOA_Y
 ClientSampleId :

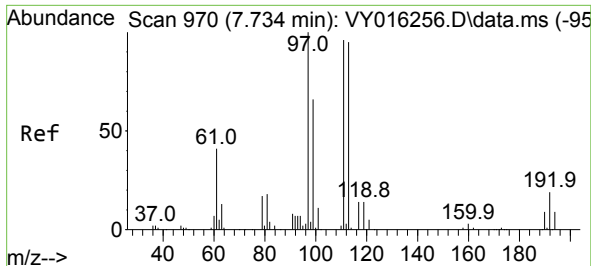
Tgt Ion: 65 Resp: 58172
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016400.D
 Acq: 16 Nov 2023 19:11

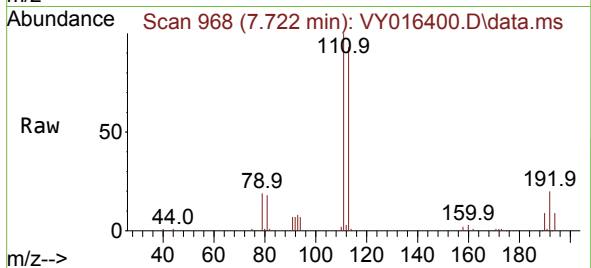
Tgt Ion: 114 Resp: 167225
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 15.5 0.0 30.6



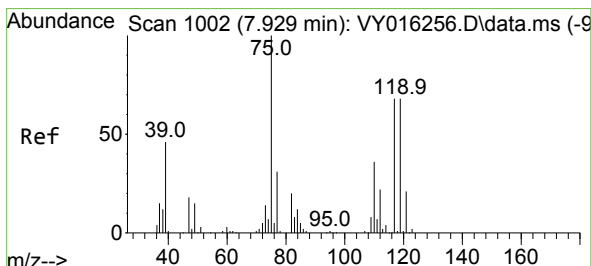
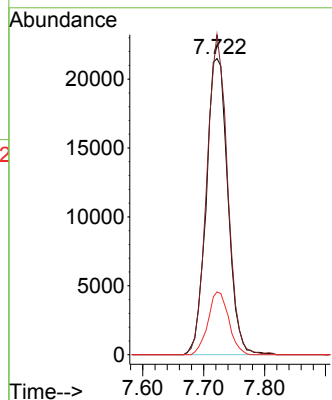
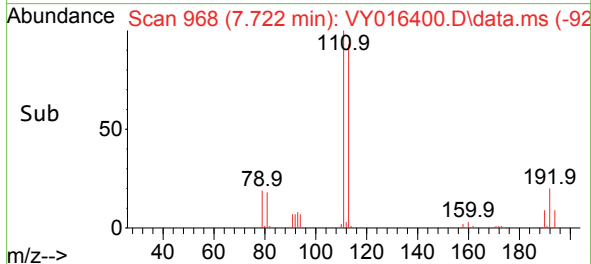


#35
Dibromofluoromethane
Concen: 55.753 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

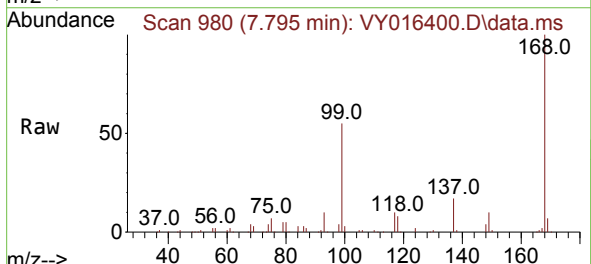
Instrument :
MSVOA_Y
ClientSampleId :



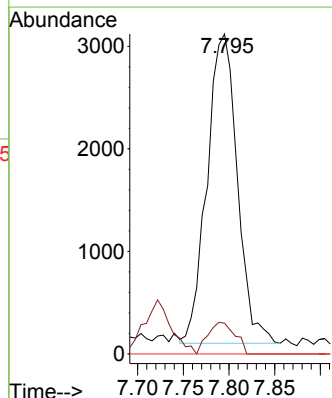
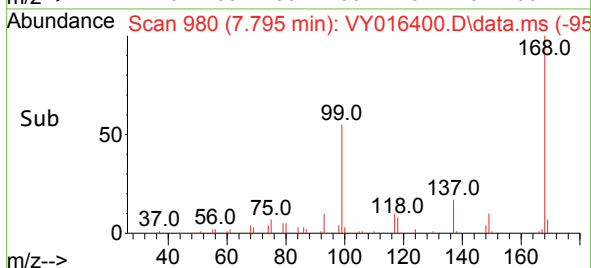
Tgt Ion:113 Resp: 52962
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 20.3 16.9 25.3

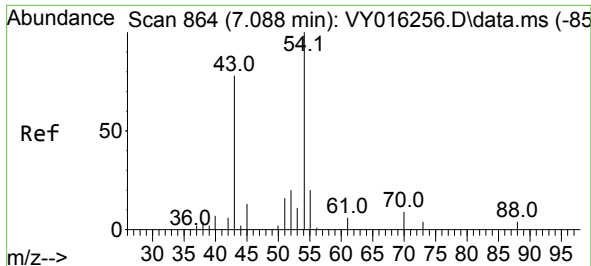


#36
1,1-Dichloropropene
Concen: 4.217 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11



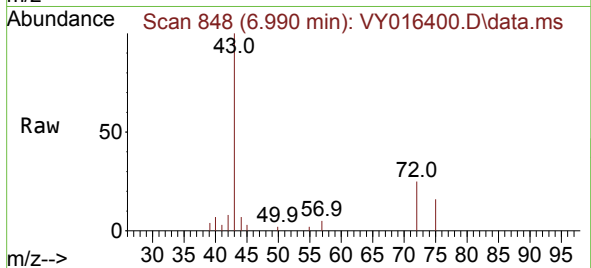
Tgt Ion: 75 Resp: 6956
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#



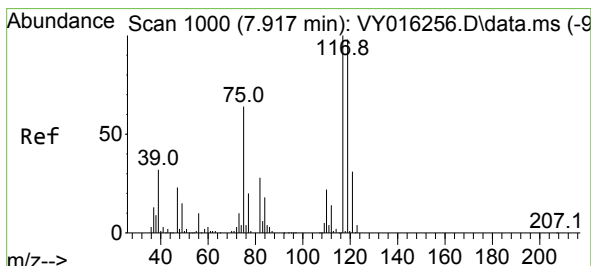
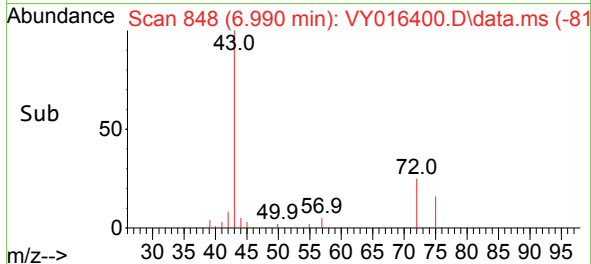
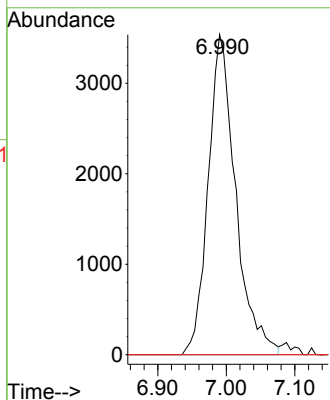


#37
Ethyl Acetate
Concen: 14.757 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Instrument :
MSVOA_Y
ClientSampleId :

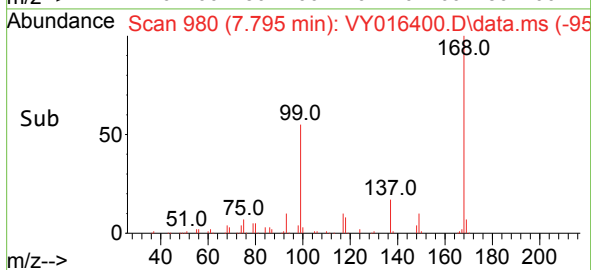
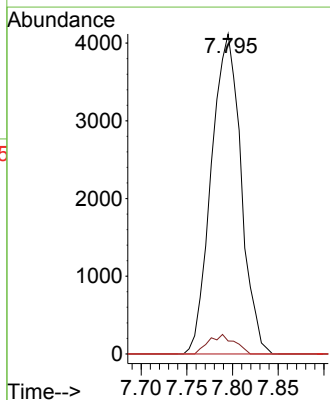
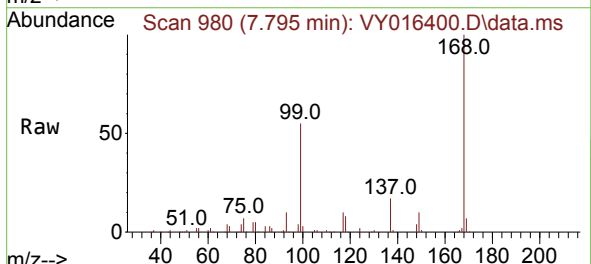


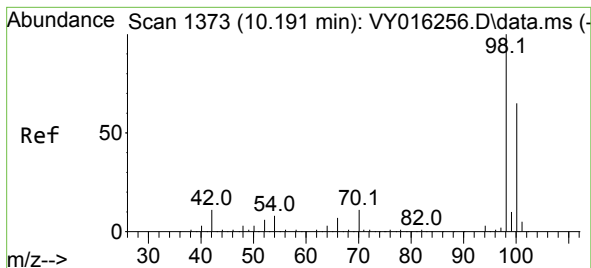
Tgt Ion: 43 Resp: 9835
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Tgt Ion: 117 Resp: 9309
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.881 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016400.D

Acq: 16 Nov 2023 19:11

Instrument :

MSVOA_Y

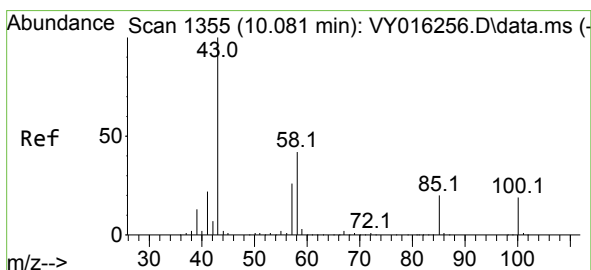
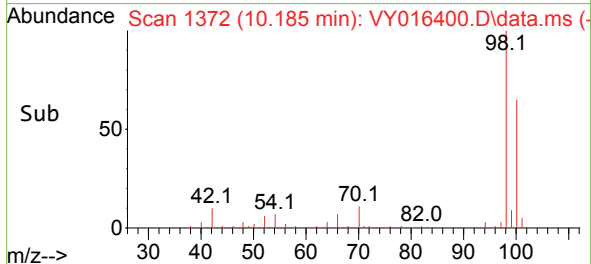
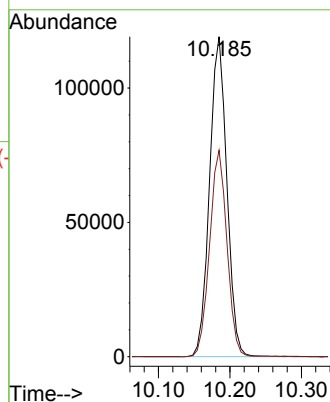
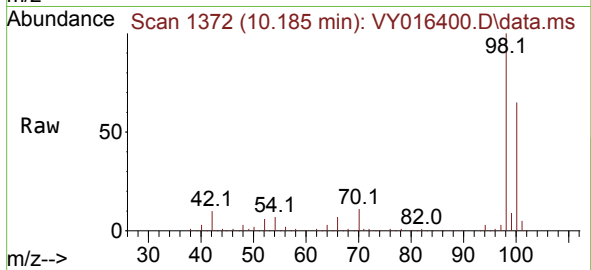
ClientSampleId :

Tgt Ion: 98 Resp: 199858

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.062 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. -0.000 min

Lab File: VY016400.D

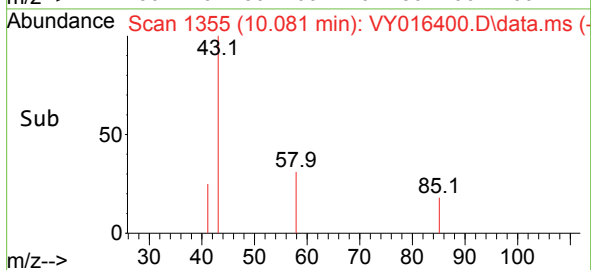
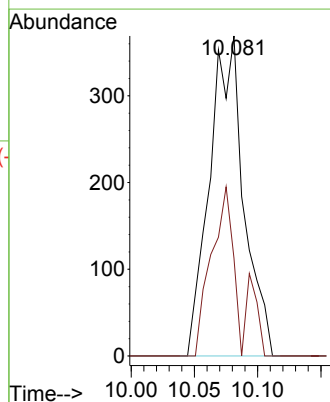
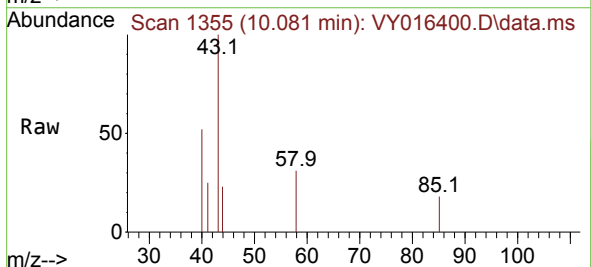
Acq: 16 Nov 2023 19:11

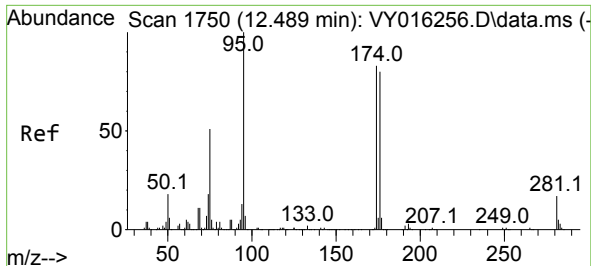
Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

58 33.8 29.0 43.6

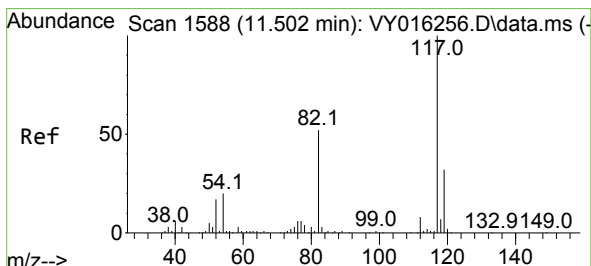
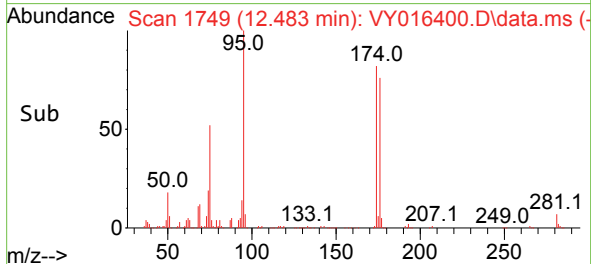
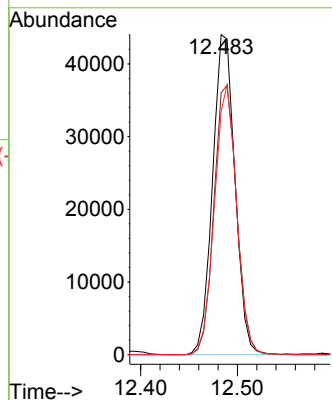
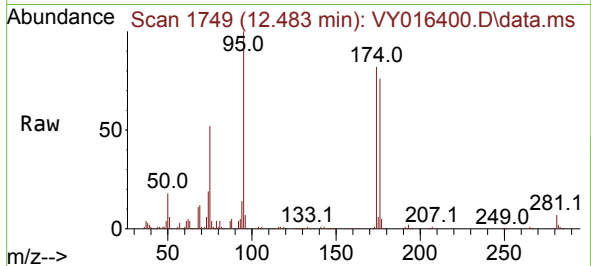




#62
4-Bromofluorobenzene
Concen: 56.542 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

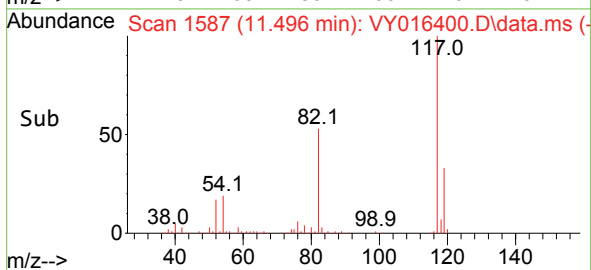
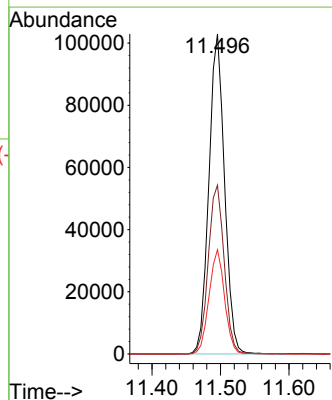
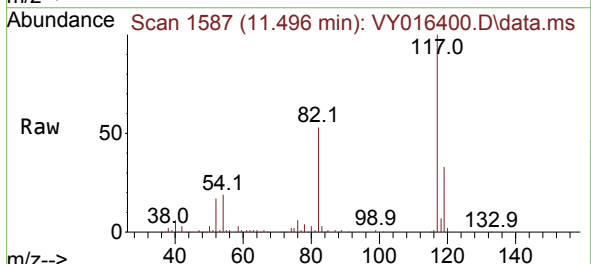
Instrument :
MSVOA_Y
ClientSampleId :

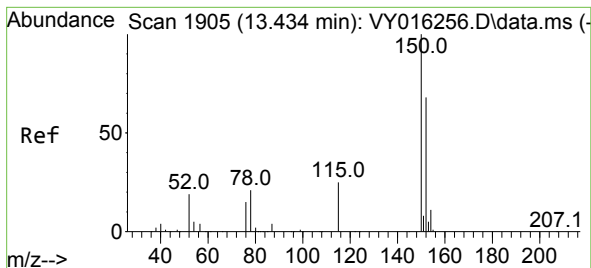
Tgt Ion: 95 Resp: 70742
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 83.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016400.D
Acq: 16 Nov 2023 19:11

Tgt Ion: 117 Resp: 163594
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.6 26.3 39.5

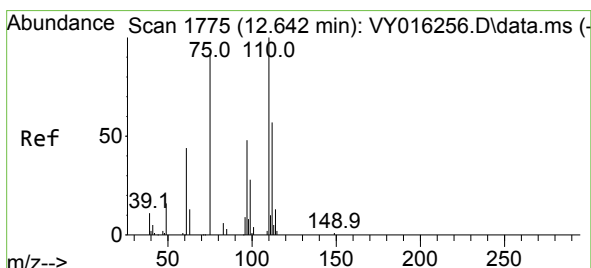
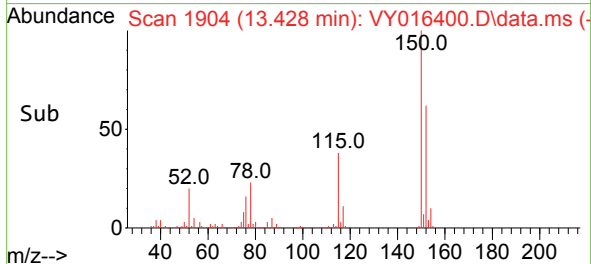
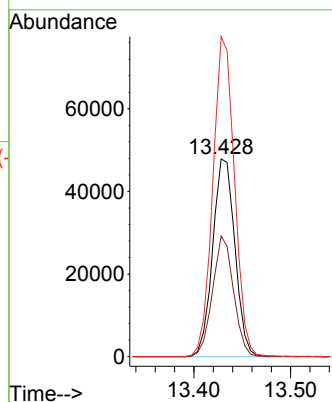
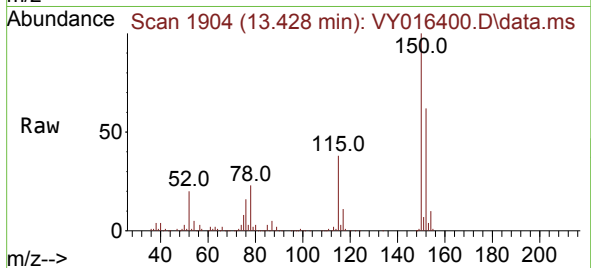




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: VY016400.D
 Acq: 16 Nov 2023 19:11

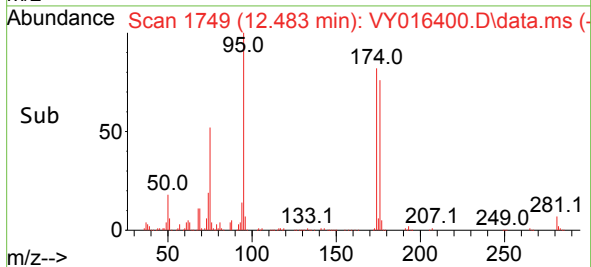
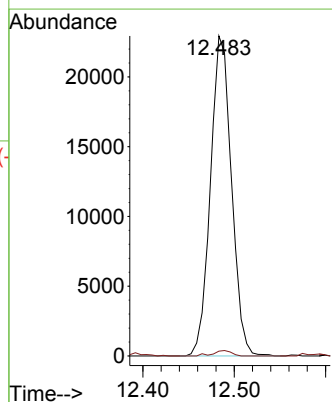
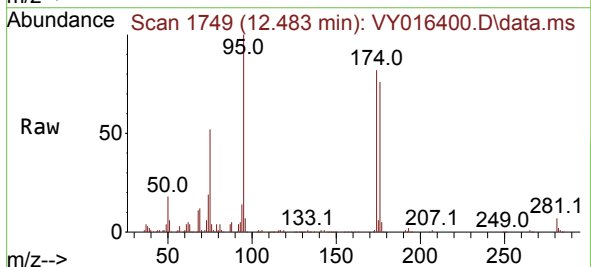
Instrument :
 MSVOA_Y
 ClientSampleId :

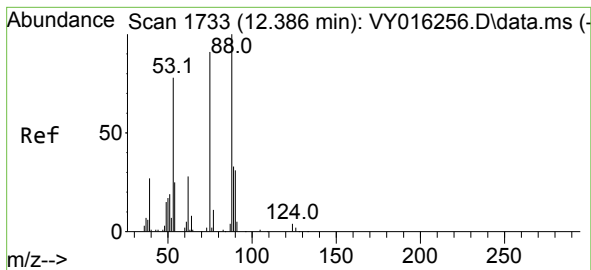
Tgt Ion:152 Resp: 76352
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.8 86.5
 150 157.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 50.015 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.159 min
 Lab File: VY016400.D
 Acq: 16 Nov 2023 19:11

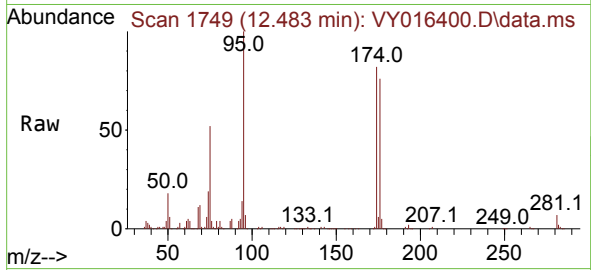
Tgt Ion: 75 Resp: 36633
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.562 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY016400.D
 Acq: 16 Nov 2023 19:11

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 36633
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

