

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016457.D
 Acq On : 22 Nov 2023 13:13
 Operator : SY/MD
 Sample : 05449-02
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:05:34 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	7.801	168	101984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	181862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	179531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85060	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	63066	67.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.320%
35) Dibromofluoromethane	7.728	113	42342	40.986	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.980%
50) Toluene-d8	10.191	98	212921	50.824	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.489	95	81014	59.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.080%

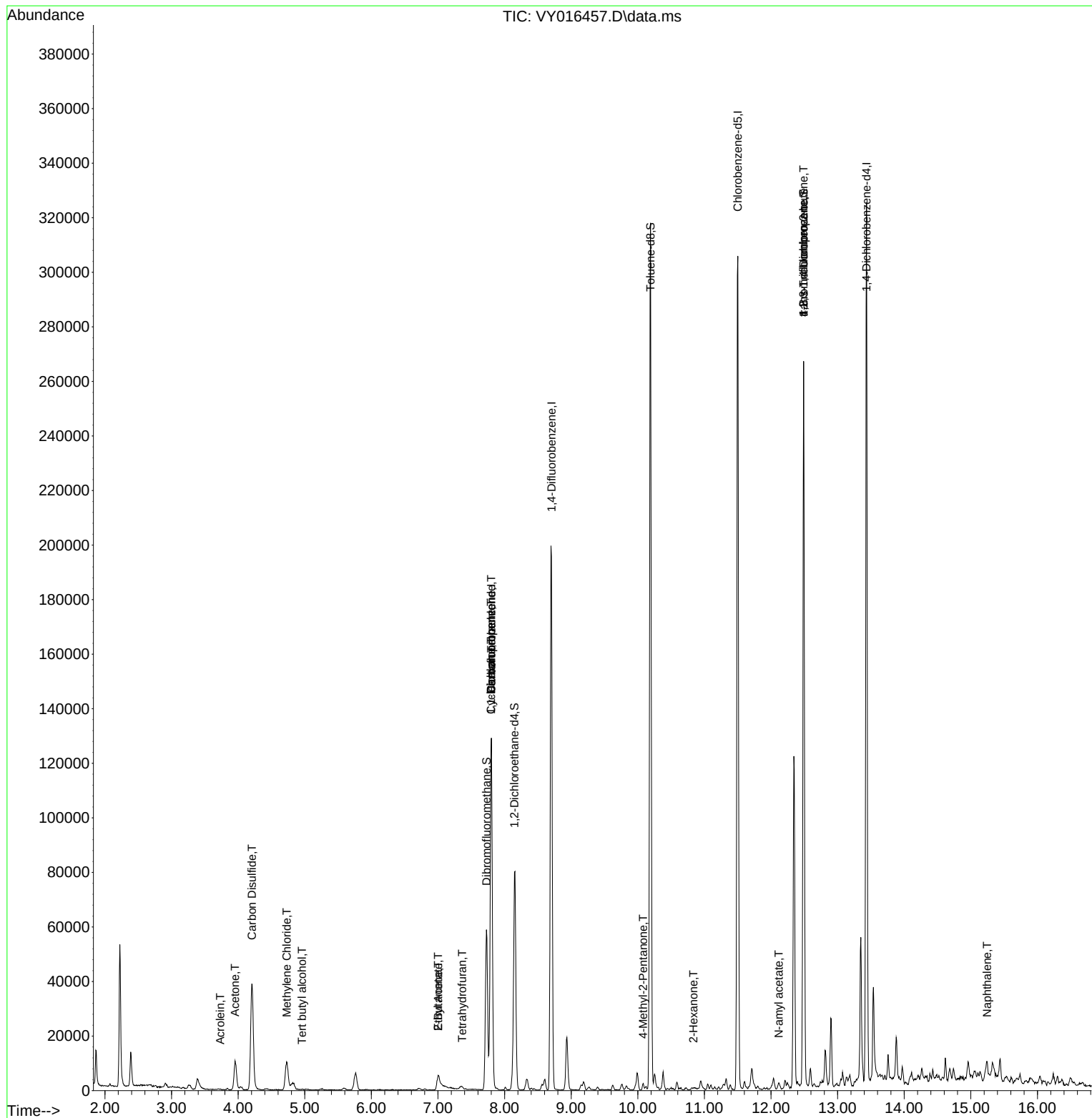
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	575	7.878	ug/l #	89
13) Acrolein	3.729	56	99	1.124	ug/l #	14
16) Acetone	3.954	43	18221	118.180	ug/l #	84
17) Carbon Disulfide	4.204	76	76980	24.756	ug/l	100
20) Methylene Chloride	4.728	84	8592	4.738	ug/l #	84
25) 2-Butanone	7.002	43	5879	21.770	ug/l	90
29) Tetrahydrofuran	7.362	42	390	2.185	ug/l #	54
31) Cyclohexane	7.795	56	2322	1.265	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	7293	4.066	ug/l #	51
37) Ethyl Acetate	7.002	43	5879	8.111	ug/l #	71
38) Carbon Tetrachloride	7.801	117	10140	5.446	ug/l #	15
51) 4-Methyl-2-Pentanone	10.081	43	1564	2.208	ug/l	99
59) 2-Hexanone	10.837	43	581	1.103	ug/l	98
74) N-amyl acetate	12.117	43	1615	1.167	ug/l #	59
76) 1,2,3-Trichloropropane	12.489	75	40485	49.616	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	40485	107.695	ug/l #	10
95) Naphthalene	15.245	128	4045	1.510	ug/l	99

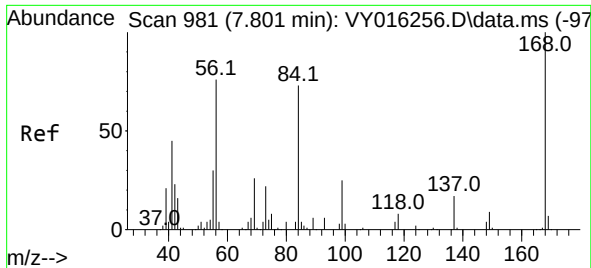
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
ClientSampleId :

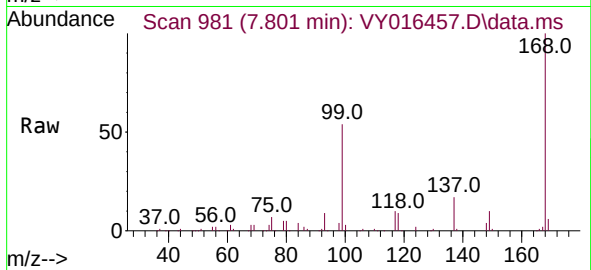
Quant Time: Nov 23 04:05:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration



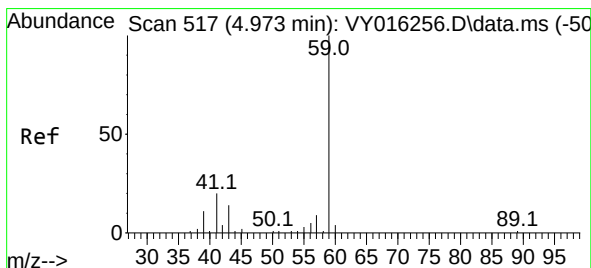
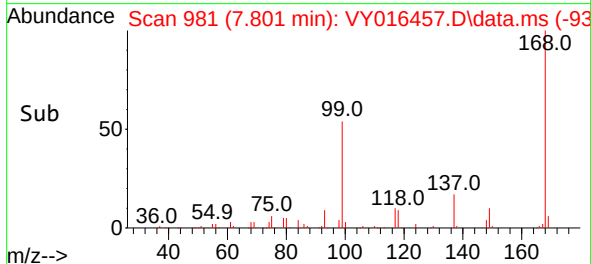
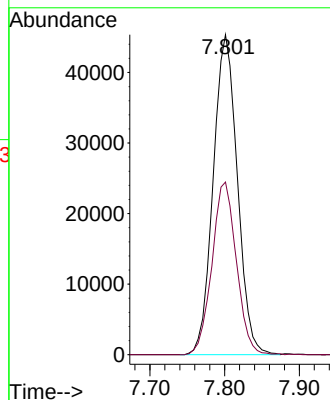


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Instrument :
MSVOA_Y
ClientSampleId :

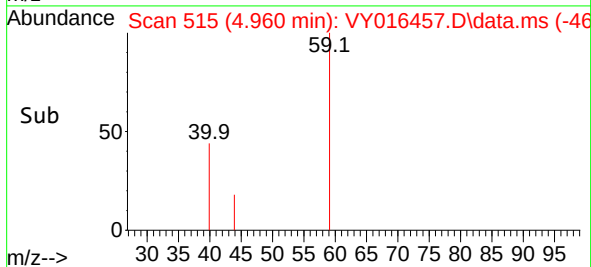
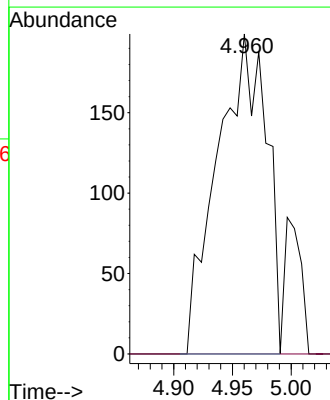
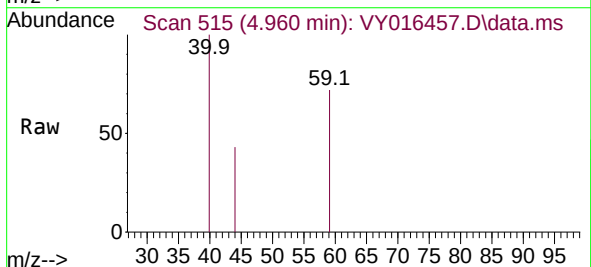


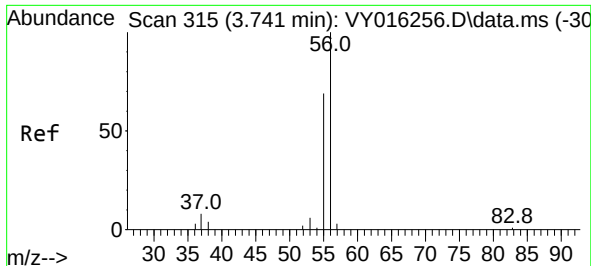
Tgt Ion:168 Resp: 101984
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 7.878 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

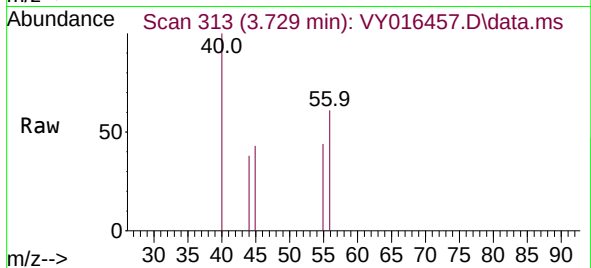
Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



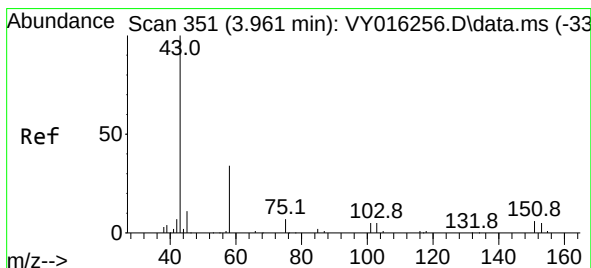
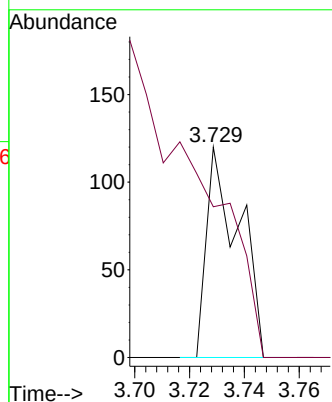
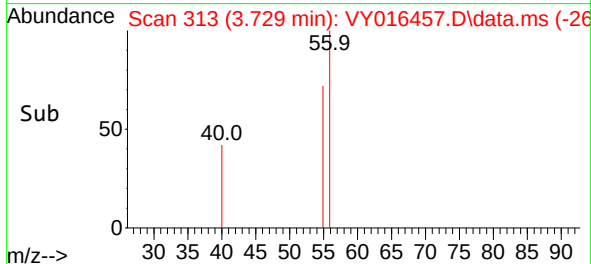


#13
Acrolein
Concen: 1.124 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.012 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Instrument :
MSVOA_Y
ClientSampleId :

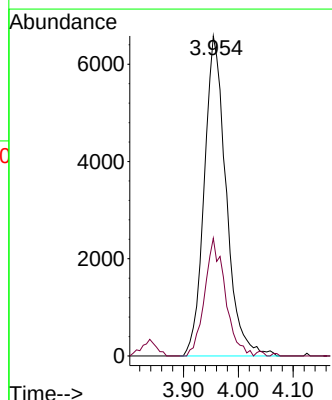
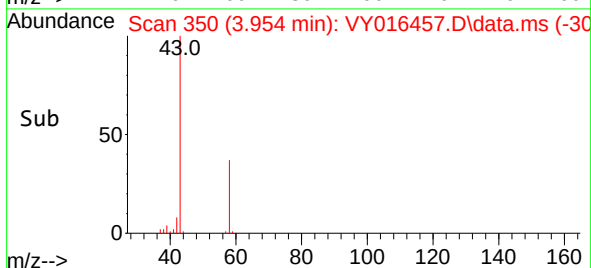
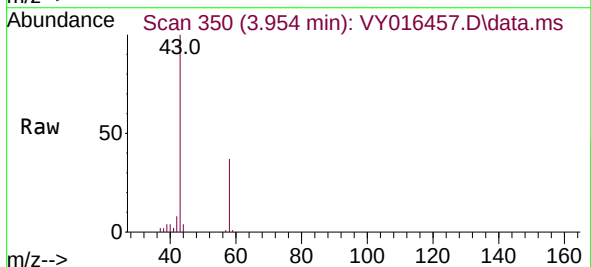


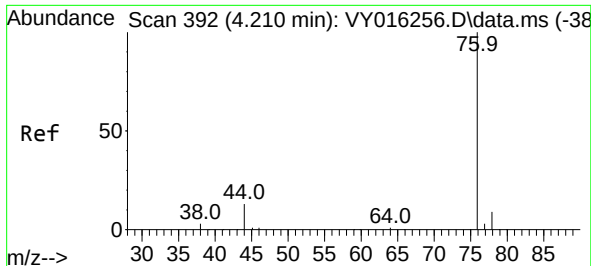
Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 118.180 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Tgt Ion: 43 Resp: 18221
Ion Ratio Lower Upper
43 100
58 36.8 22.7 34.1#





#17

Carbon Disulfide

Concen: 24.756 ug/l

RT: 4.204 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA_Y

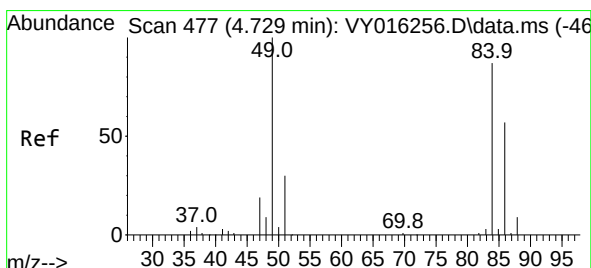
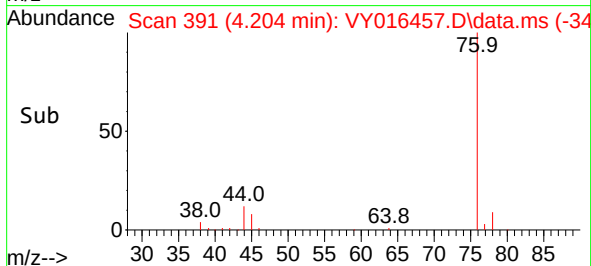
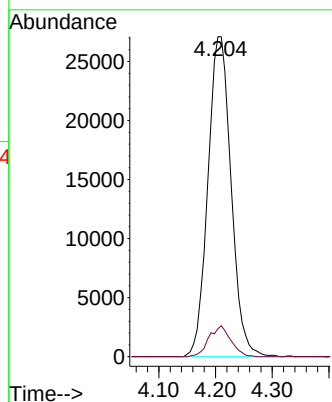
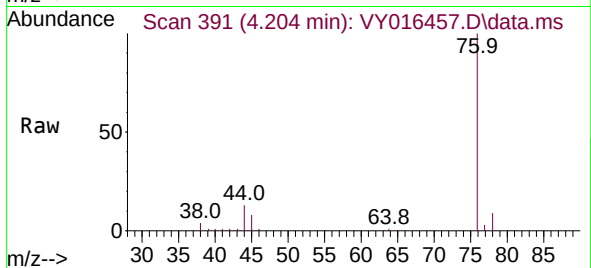
ClientSampleId :

Tgt Ion: 76 Resp: 76980

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



#20

Methylene Chloride

Concen: 4.738 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.001 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Tgt Ion: 84 Resp: 8592

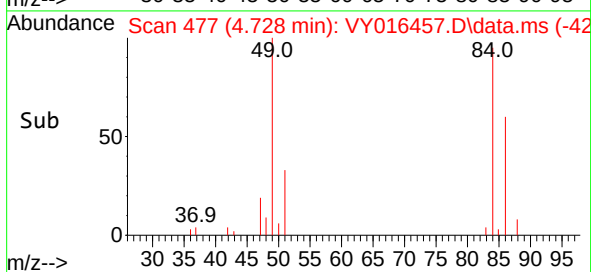
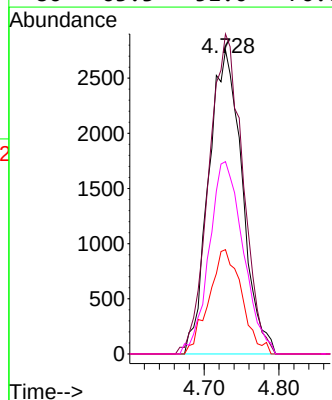
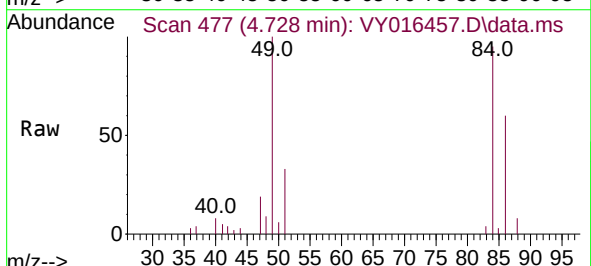
Ion Ratio Lower Upper

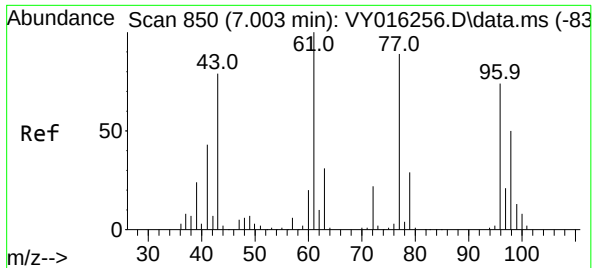
84 100

49 105.3 106.9 160.3#

51 34.3 33.2 49.8

86 63.3 51.0 76.6





#25

2-Butanone

Concen: 21.770 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA_Y

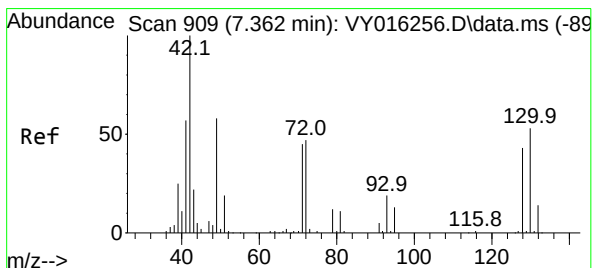
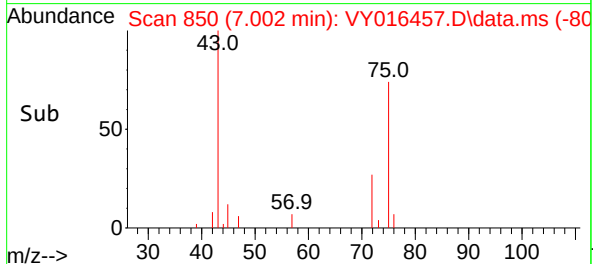
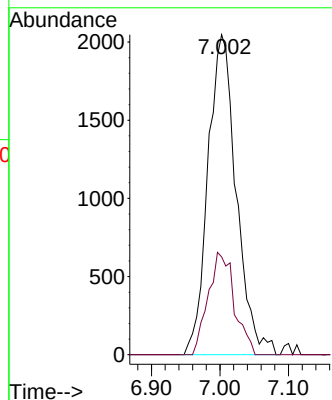
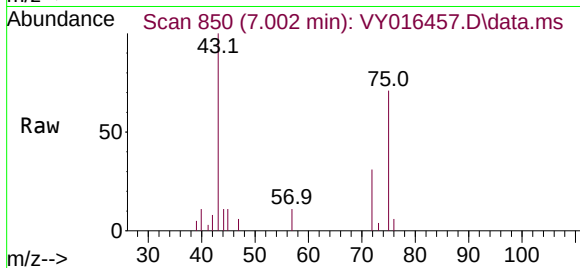
ClientSampleId :

Tgt Ion: 43 Resp: 5879

Ion Ratio Lower Upper

43 100

72 30.6 20.5 30.7



#29

Tetrahydrofuran

Concen: 2.185 ug/l

RT: 7.362 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

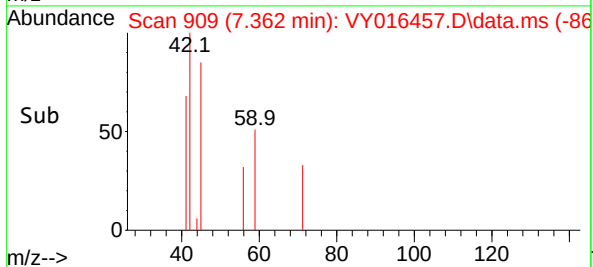
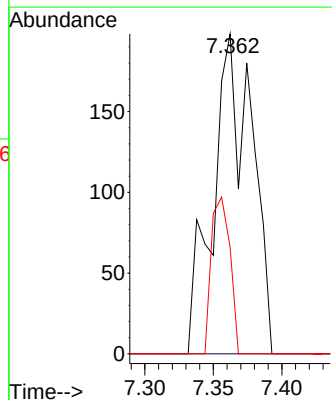
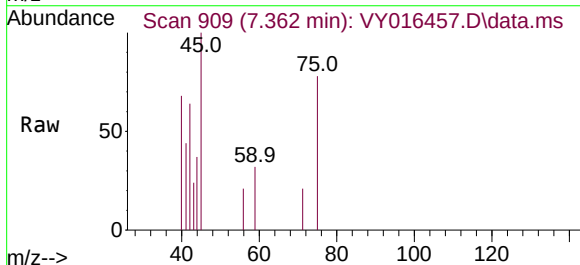
Tgt Ion: 42 Resp: 390

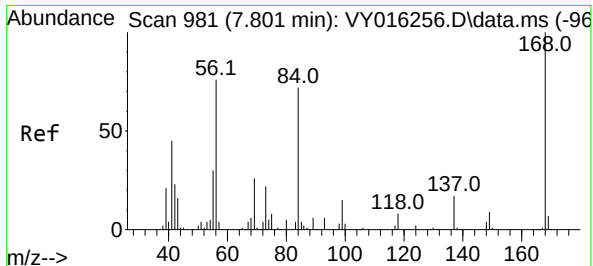
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

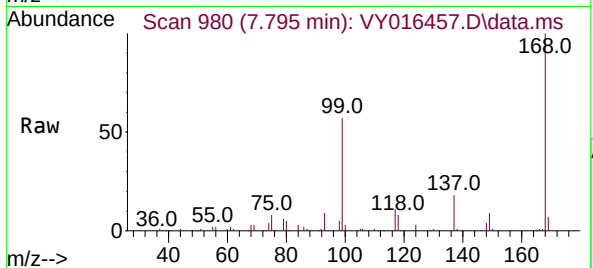
71 23.3 31.0 46.4#



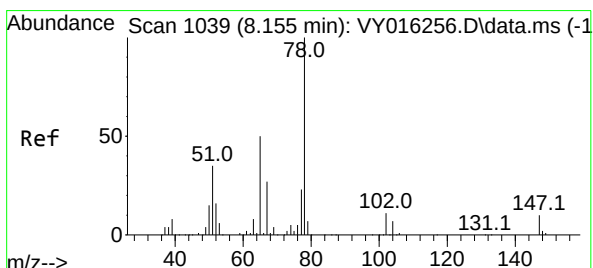
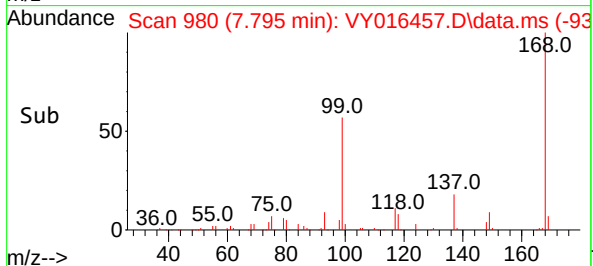
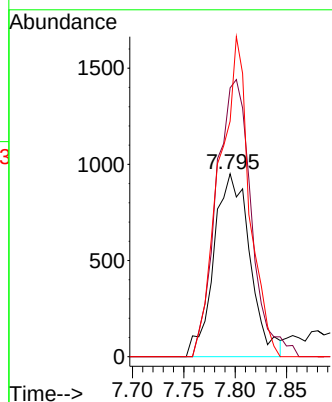


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Instrument :
MSVOA_Y
ClientSampleId :

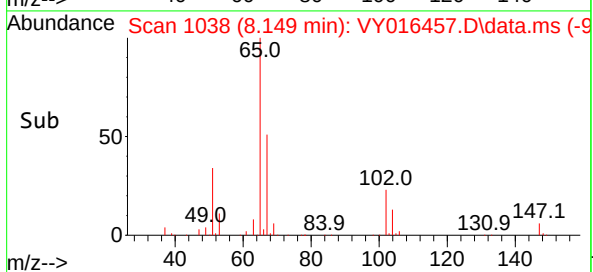
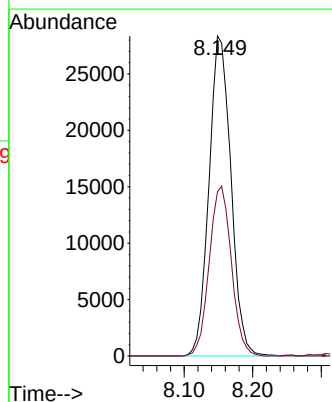
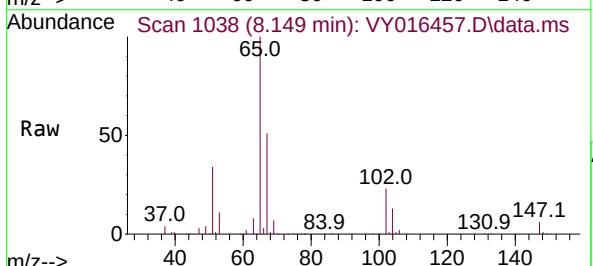


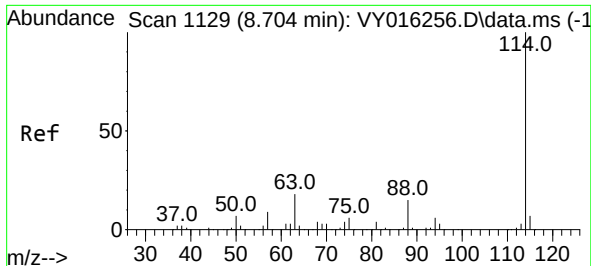
Tgt Ion: 56 Resp: 2322
Ion Ratio Lower Upper
56 100
69 147.0 27.8 41.6#
84 128.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.661 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Tgt Ion: 65 Resp: 63066
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA_Y

ClientSampleId :

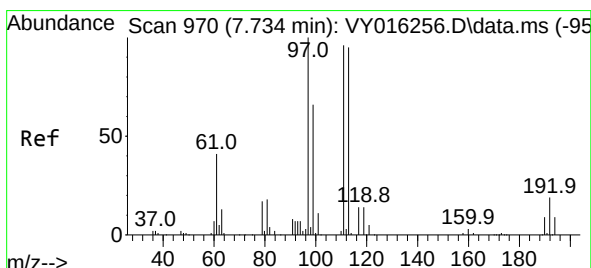
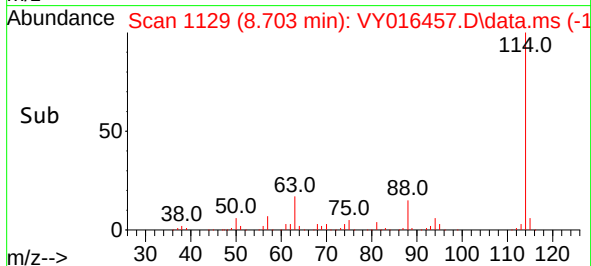
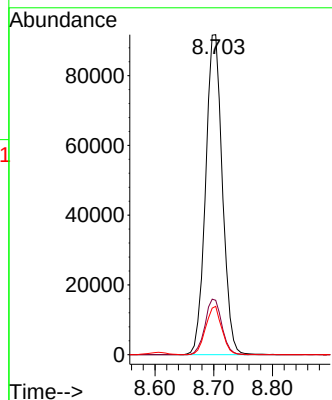
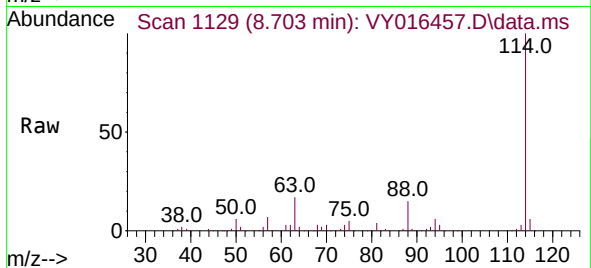
Tgt Ion:114 Resp: 181862

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.986 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

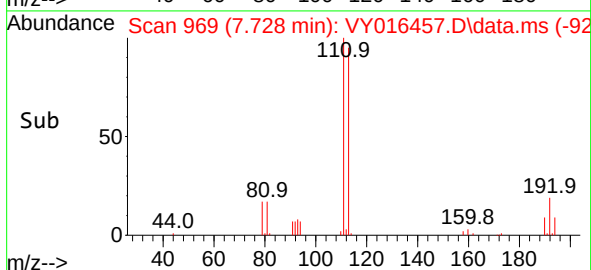
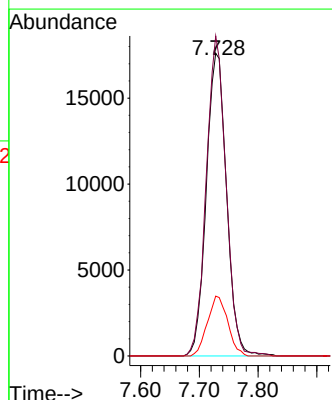
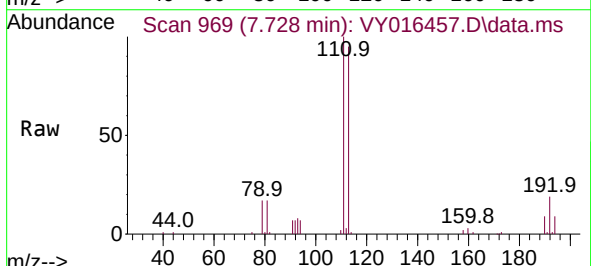
Tgt Ion:113 Resp: 42342

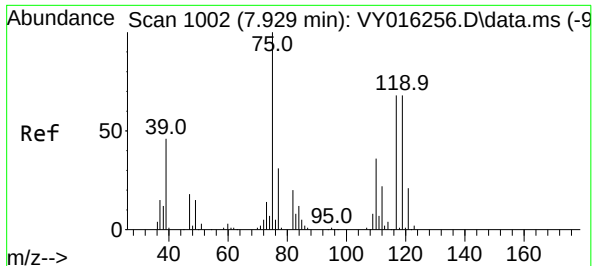
Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

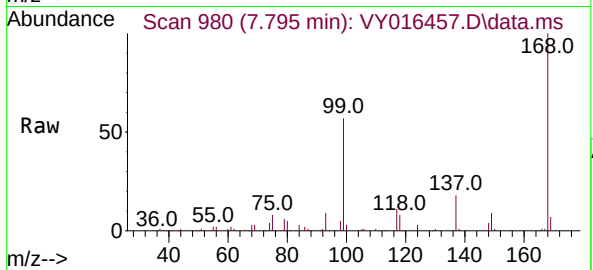
192 19.8 16.9 25.3



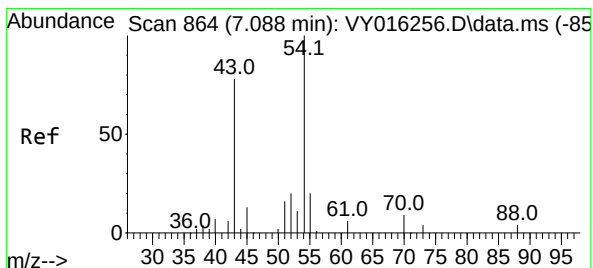
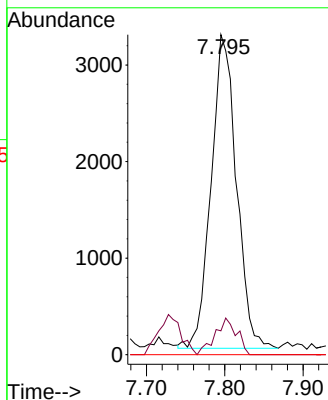
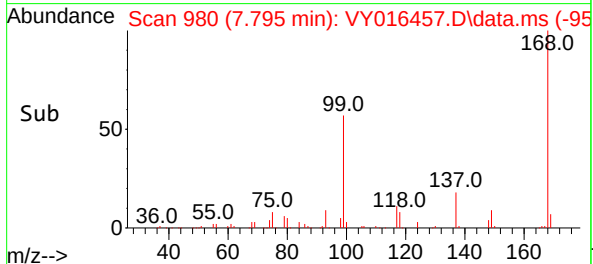


#36
 1,1-Dichloropropene
 Concen: 4.066 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY016457.D
 Acq: 22 Nov 2023 13:13

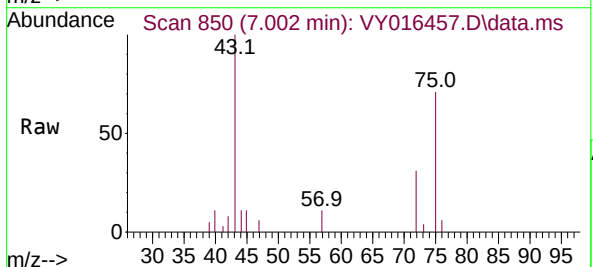
Instrument :
 MSVOA_Y
 ClientSampleId :



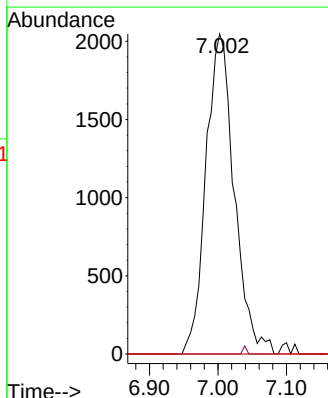
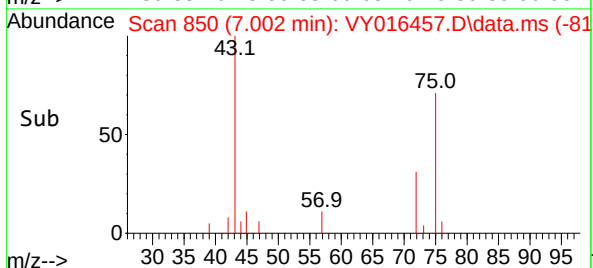
Tgt Ion: 75 Resp: 7293
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.8 53.5#
 77 0.0 24.4 36.6#

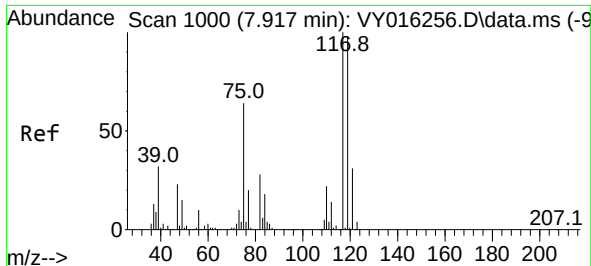


#37
 Ethyl Acetate
 Concen: 8.111 ug/l
 RT: 7.002 min Scan# 850
 Delta R.T. -0.086 min
 Lab File: VY016457.D
 Acq: 22 Nov 2023 13:13



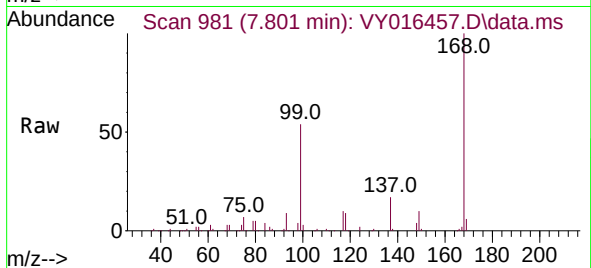
Tgt Ion: 43 Resp: 5879
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



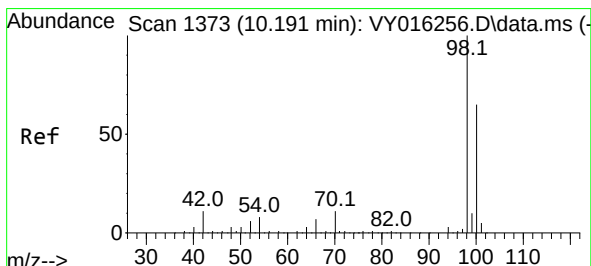
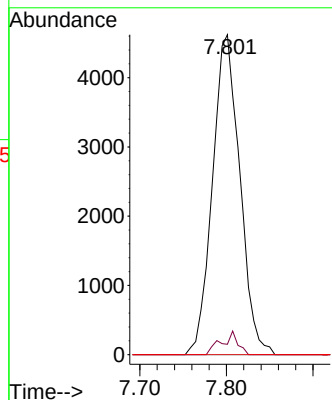
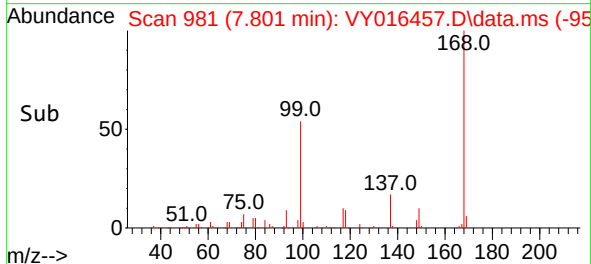


#38
Carbon Tetrachloride
Concen: 5.446 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Instrument :
MSVOA_Y
ClientSampleId :

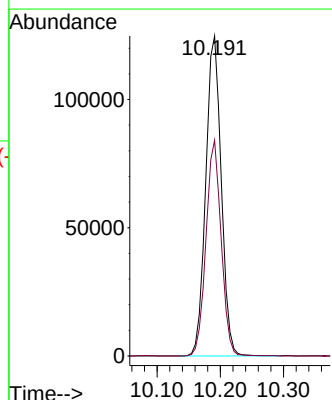
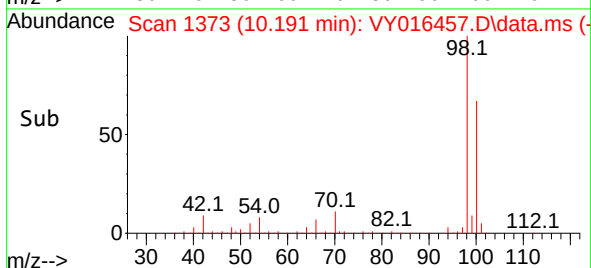
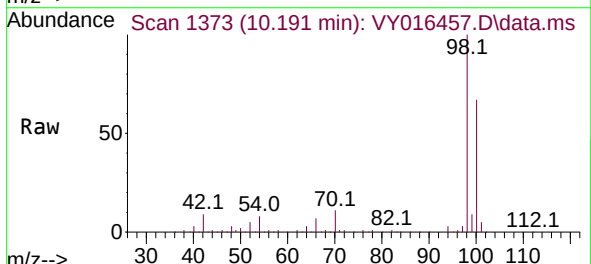


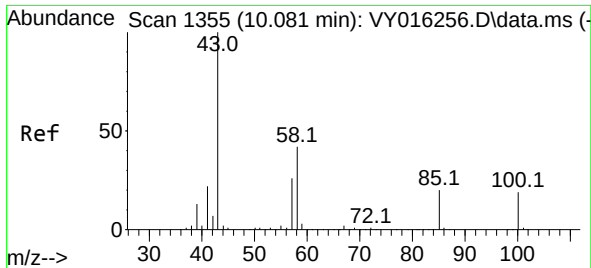
Tgt Ion:117 Resp: 10140
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.824 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Tgt Ion: 98 Resp: 212921
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

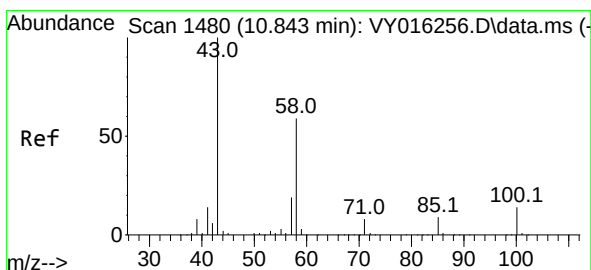
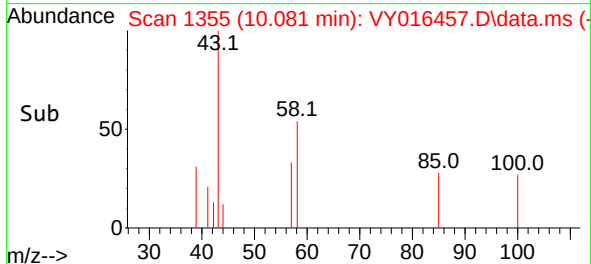
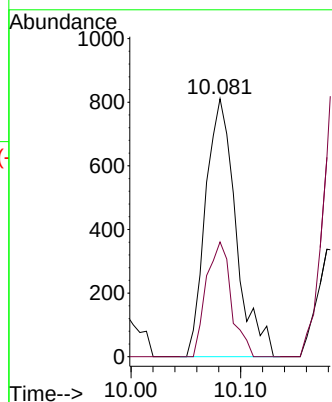
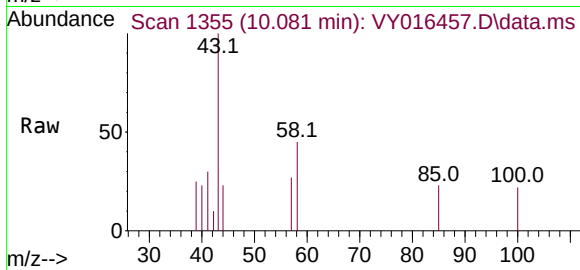




#51
4-Methyl-2-Pentanone
Concen: 2.208 ug/l
RT: 10.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

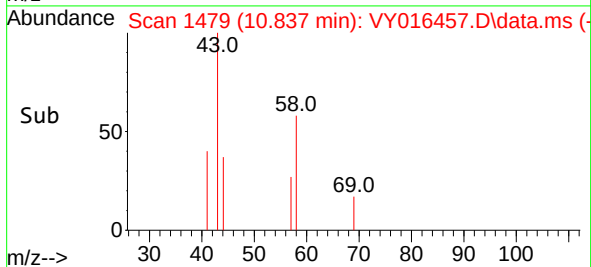
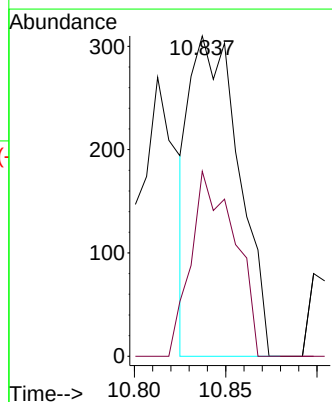
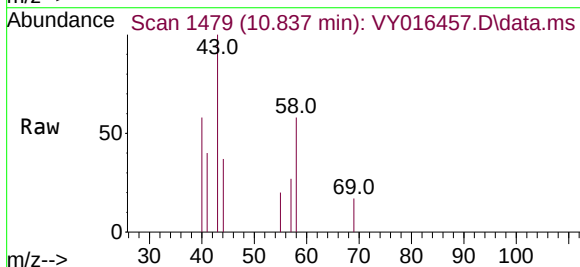
Instrument :
MSVOA_Y
ClientSampleId :

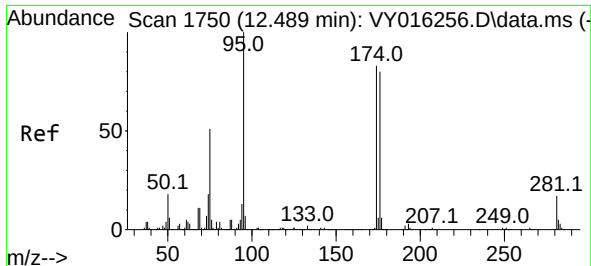
Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6



#59
2-Hexanone
Concen: 1.103 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 51.3 25.1 75.3

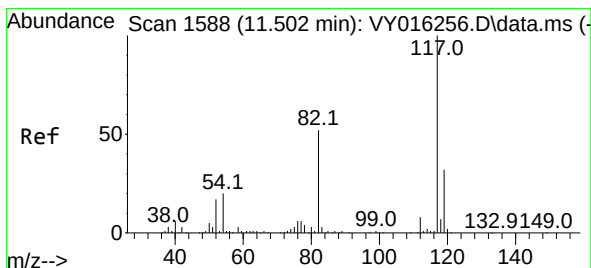
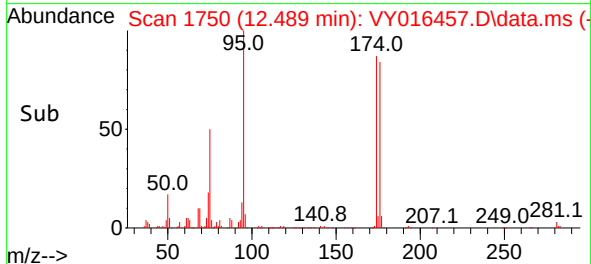
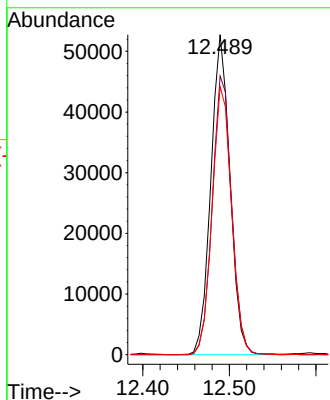
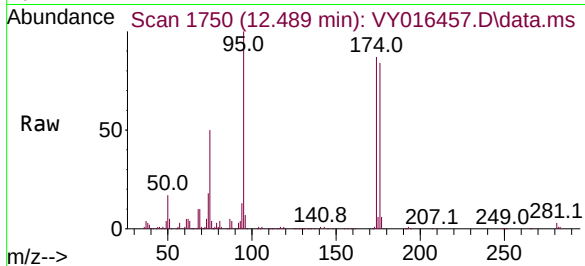




#62
4-Bromofluorobenzene
Concen: 59.540 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

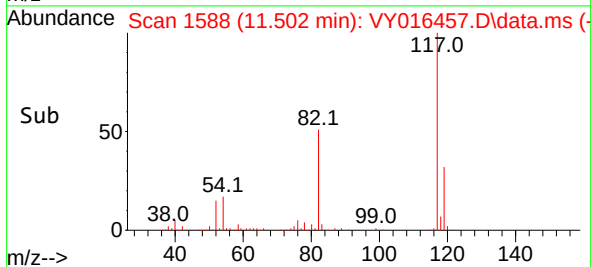
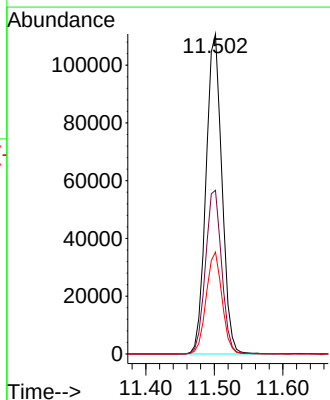
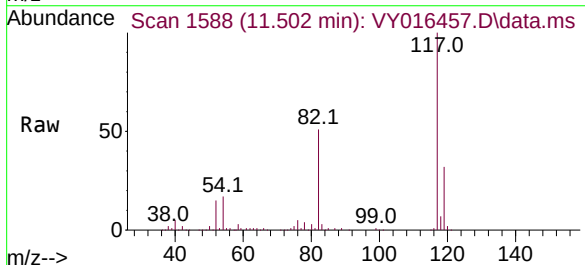
Instrument :
MSVOA_Y
ClientSampleId :

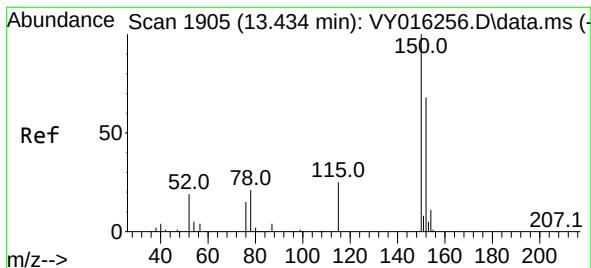
Tgt Ion: 95 Resp: 81014
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.2
176 85.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

Tgt Ion: 117 Resp: 179531
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Instrument :

MSVOA_Y

ClientSampleId :

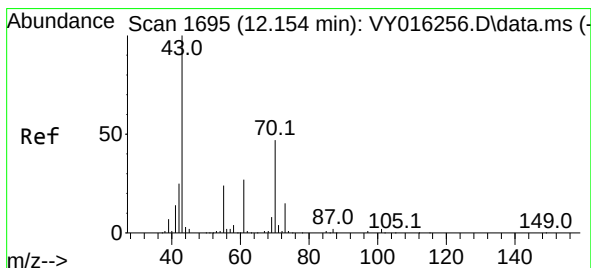
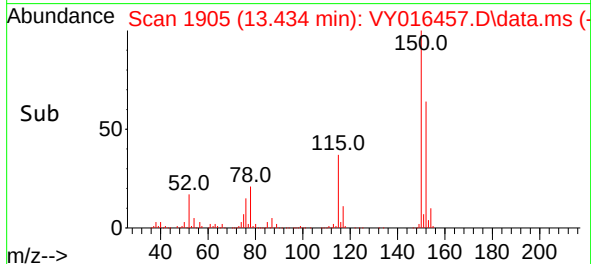
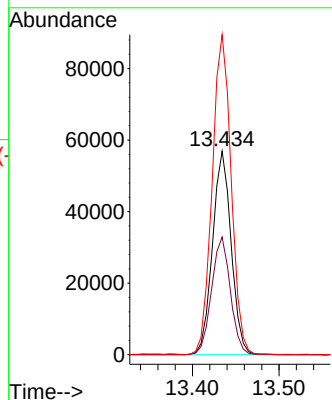
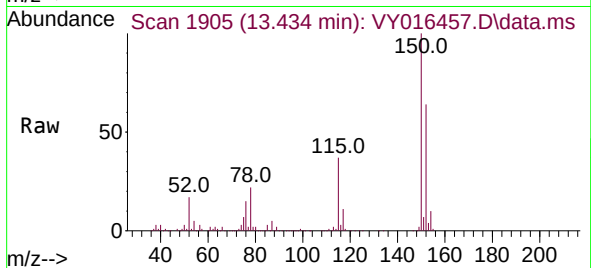
Tgt Ion:152 Resp: 85060

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 160.2 0.0 348.8



#74

N-ethyl acetate

Concen: 1.167 ug/l

RT: 12.117 min Scan# 1689

Delta R.T. -0.037 min

Lab File: VY016457.D

Acq: 22 Nov 2023 13:13

Tgt Ion: 43 Resp: 1615

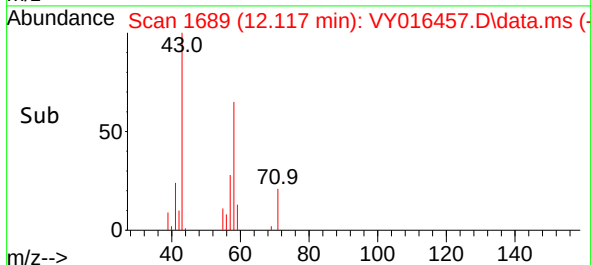
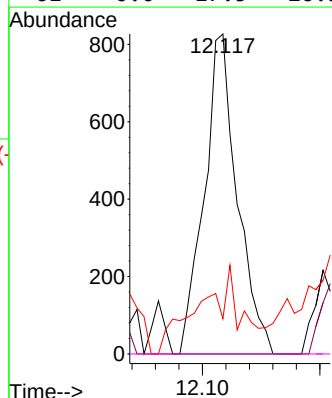
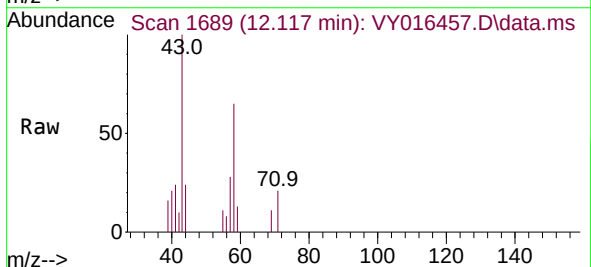
Ion Ratio Lower Upper

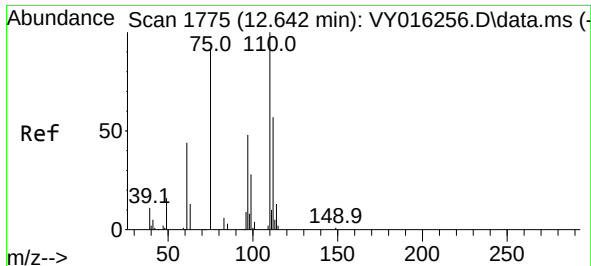
43 100

70 0.0 29.7 44.5#

55 21.9 18.3 27.5

61 0.0 17.5 26.3#

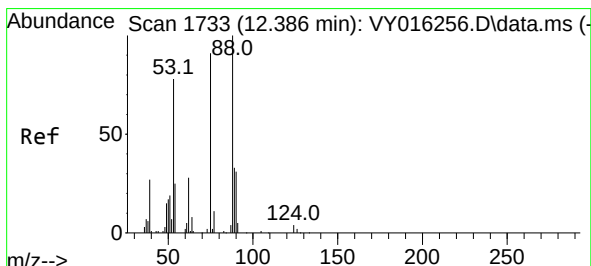
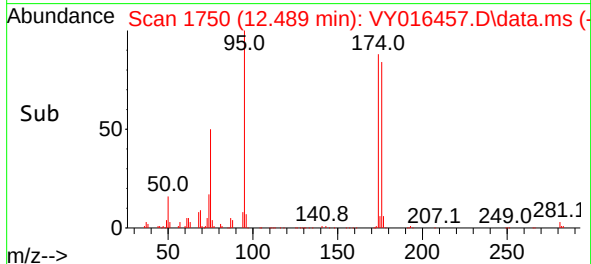
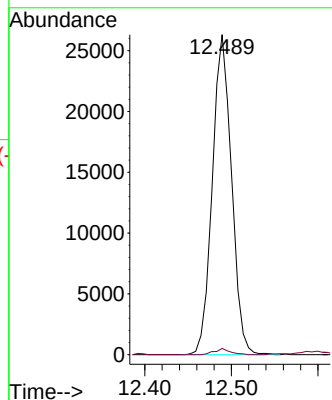
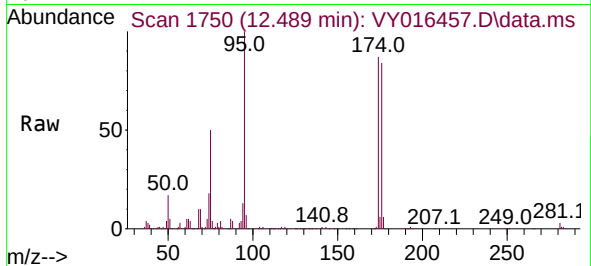




#76
1,2,3-Trichloropropane
Concen: 49.616 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

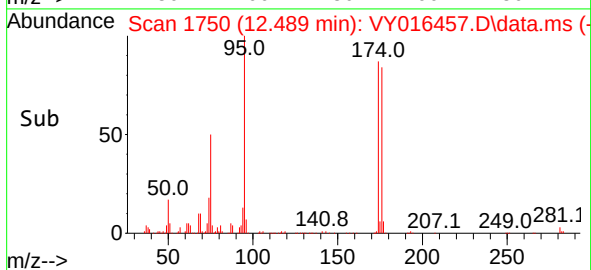
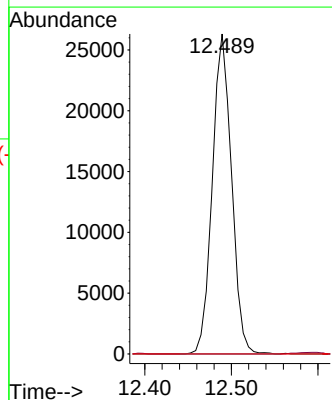
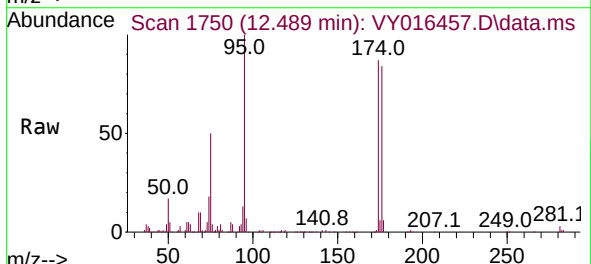
Instrument :
MSVOA_Y
ClientSampleId :

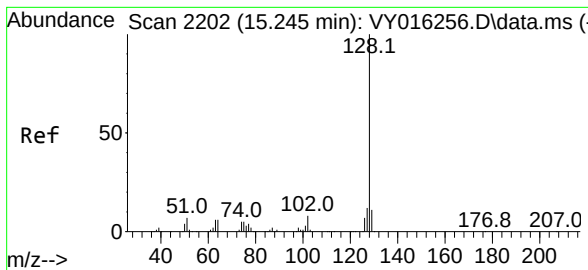
Tgt Ion: 75 Resp: 40485
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.695 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016457.D
Acq: 22 Nov 2023 13:13

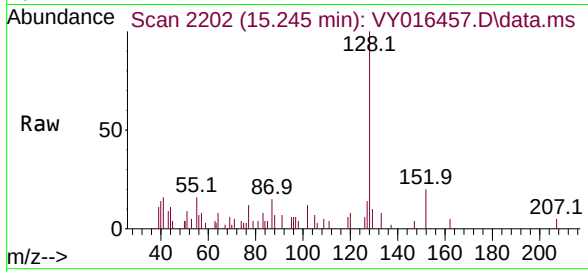
Tgt Ion: 75 Resp: 40485
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 1.510 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016457.D
 Acq: 22 Nov 2023 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	4045
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.5	8.6	13.0

