

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016460.D
 Acq On : 22 Nov 2023 14:23
 Operator : SY/MD
 Sample : 05468-03
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:06:37 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	101978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	171777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80911	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62630	67.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.400%
35) Dibromofluoromethane	7.728	113	56411	56.070	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.140%
50) Toluene-d8	10.185	98	205919	50.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.489	95	72840	54.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.940%

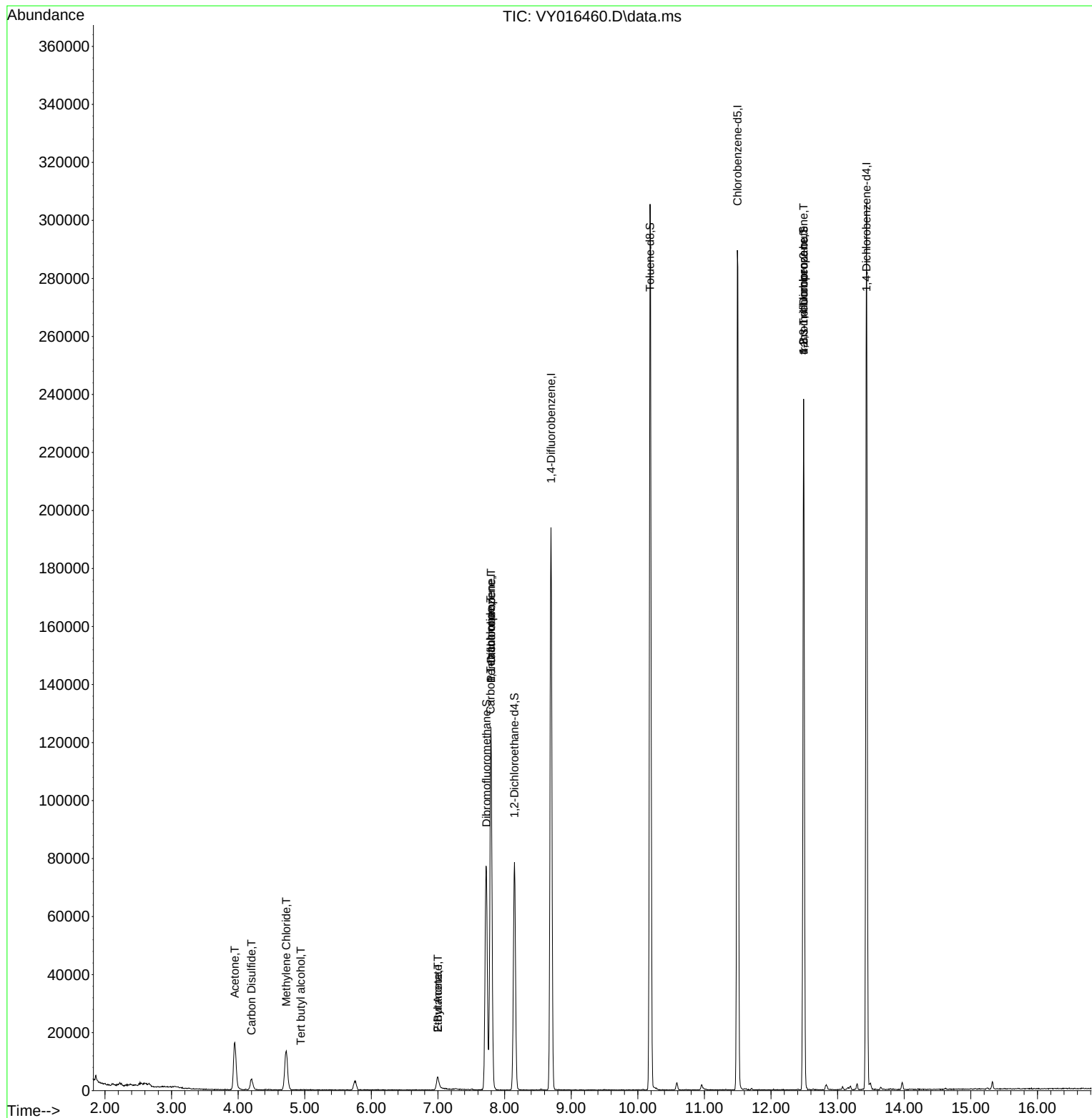
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	187	2.562	ug/l #	89
16) Acetone	3.948	43	29144	189.037	ug/l #	87
17) Carbon Disulfide	4.198	76	6468	2.080	ug/l #	95
20) Methylene Chloride	4.722	84	11762	7.866	ug/l #	80
25) 2-Butanone	6.996	43	7031	26.037	ug/l	100
36) 1,1-Dichloropropene	7.795	75	7200	4.121	ug/l #	50
37) Ethyl Acetate	6.996	43	7031	9.961	ug/l #	71
38) Carbon Tetrachloride	7.789	117	9917	5.470	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	36408	46.907	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	36408	101.816	ug/l #	10

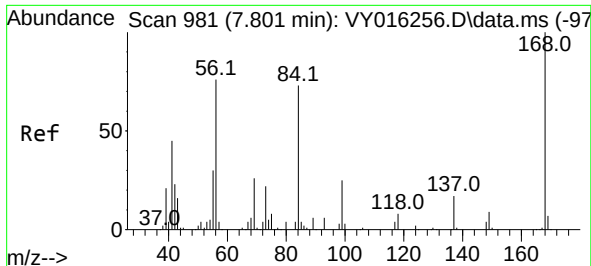
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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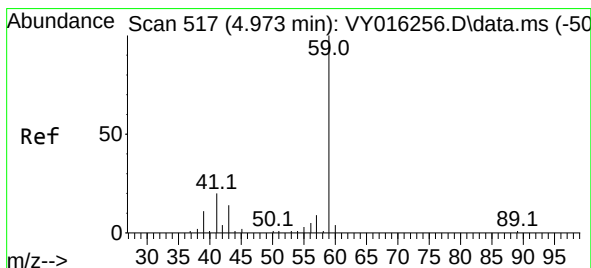
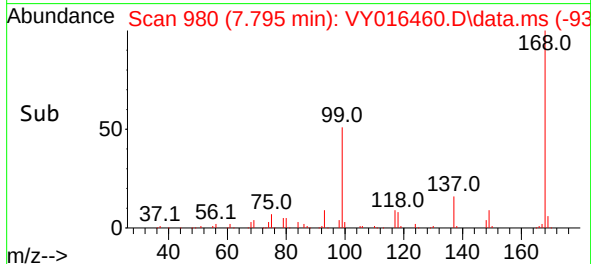
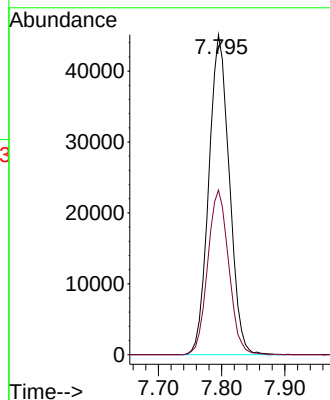
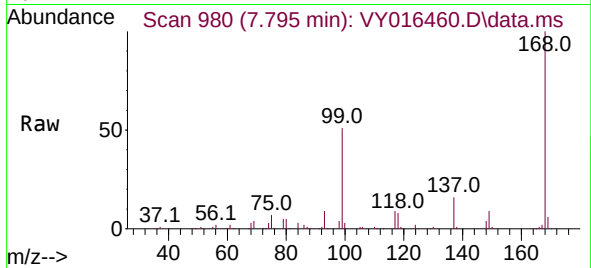




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

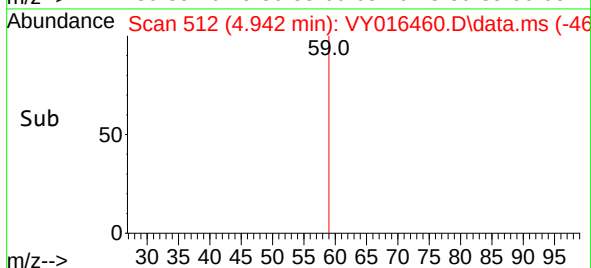
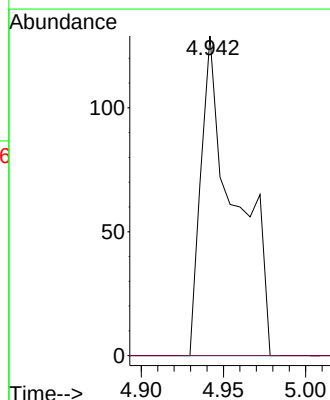
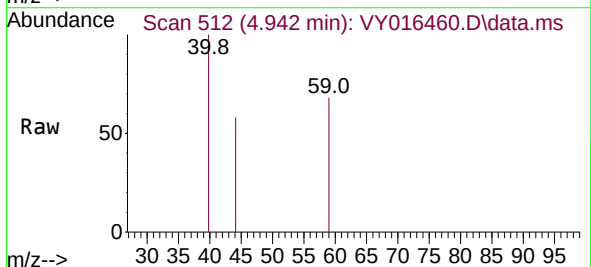
Instrument :
MSVOA_Y
ClientSampleId :

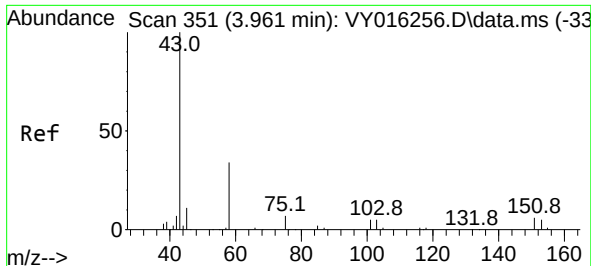
Tgt Ion:168 Resp: 101978
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.562 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.031 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

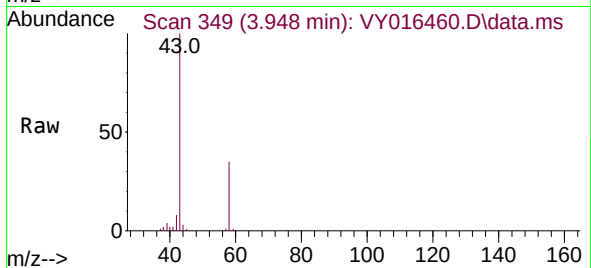
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



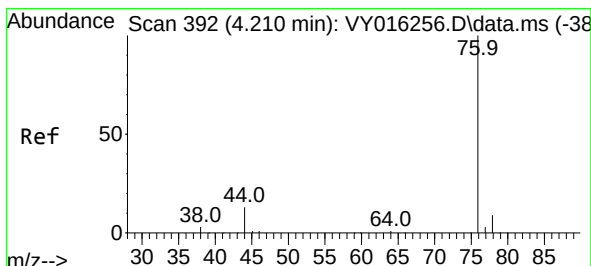
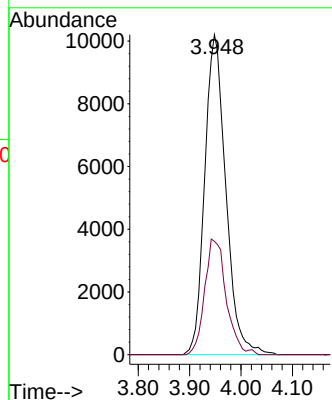
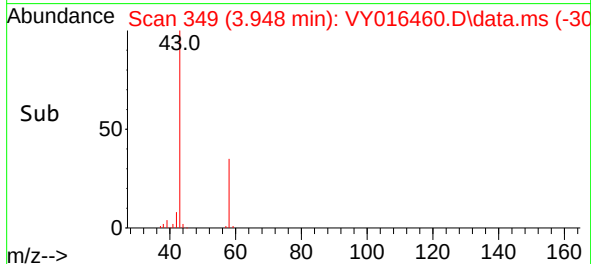


#16
Acetone
Concen: 189.037 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

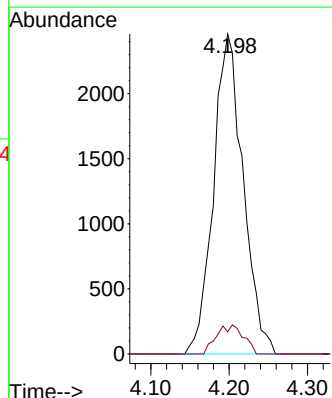
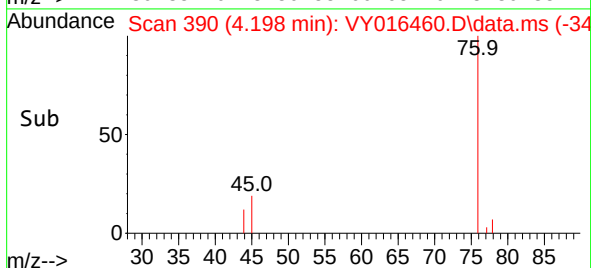
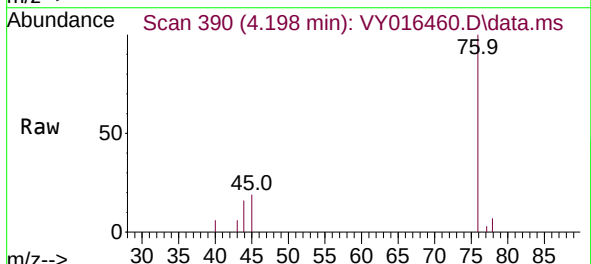


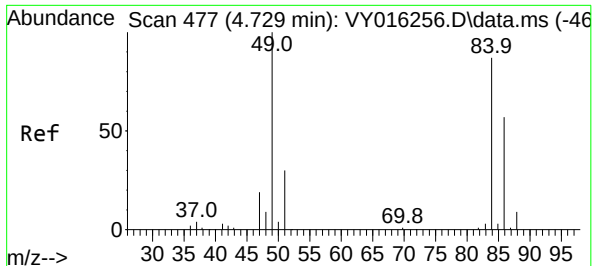
Tgt Ion: 43 Resp: 29144
Ion Ratio Lower Upper
43 100
58 35.4 22.7 34.1#



#17
Carbon Disulfide
Concen: 2.080 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

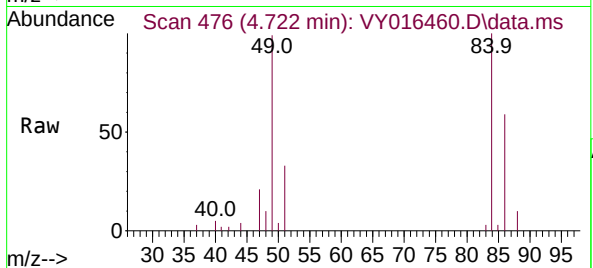
Tgt Ion: 76 Resp: 6468
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.4#



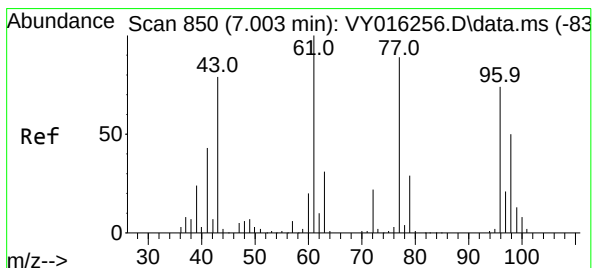
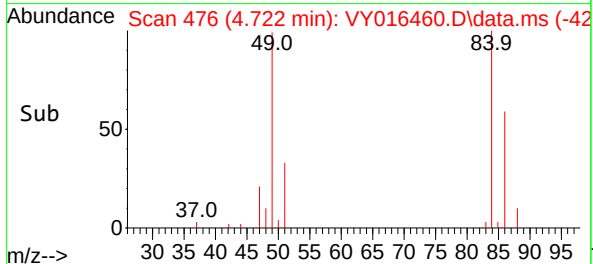
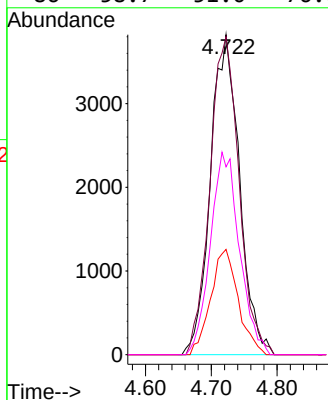


#20
Methylene Chloride
Concen: 7.866 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

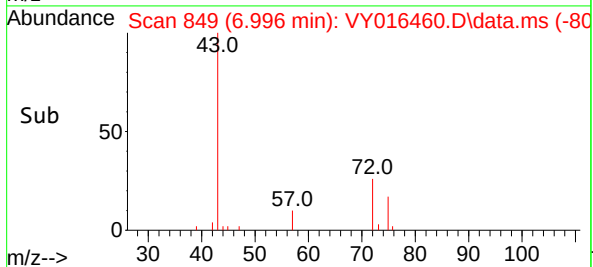
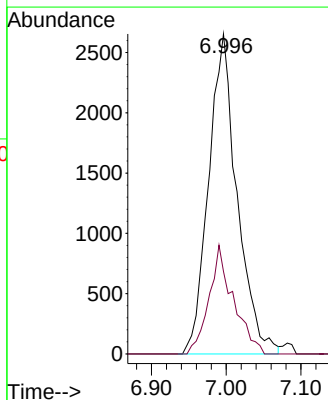
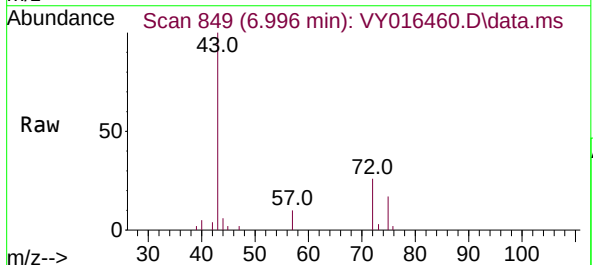


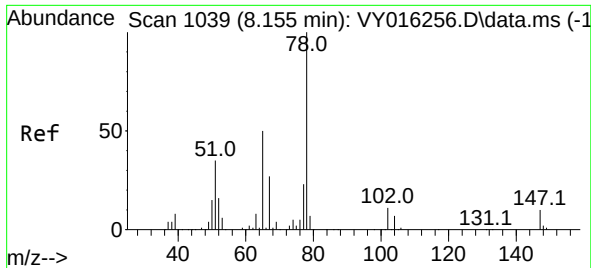
Tgt Ion:	84	Resp:	11762
Ion	Ratio	Lower	Upper
84	100		
49	99.3	106.9	160.3#
51	32.9	33.2	49.8#
86	58.7	51.0	76.6



#25
2-Butanone
Concen: 26.037 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion:	43	Resp:	7031
Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.5	30.7

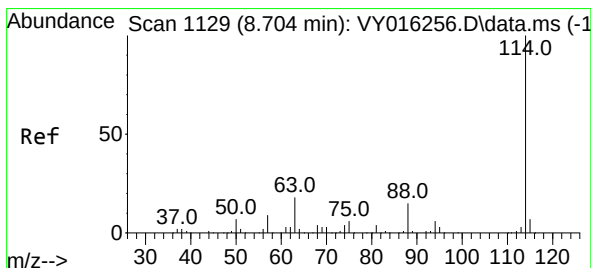
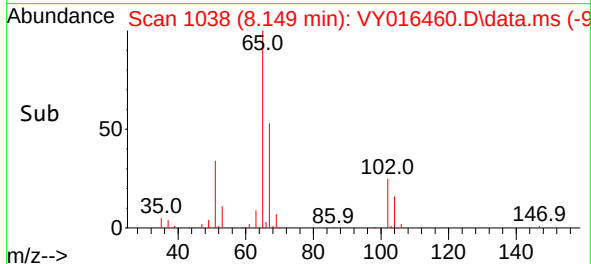
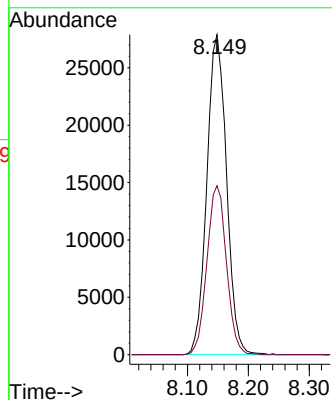
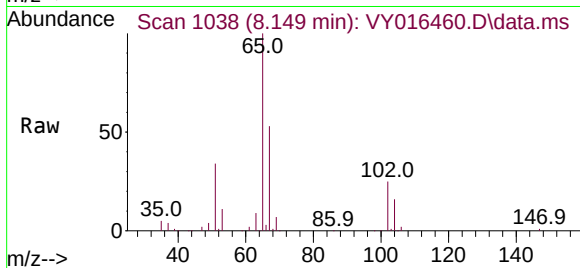




#33
 1,2-Dichloroethane-d4
 Concen: 67.197 ug/l
 RT: 8.149 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY016460.D
 Acq: 22 Nov 2023 14:23

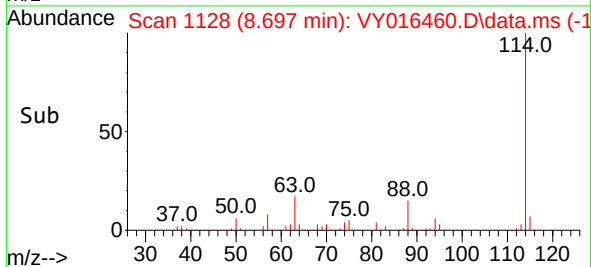
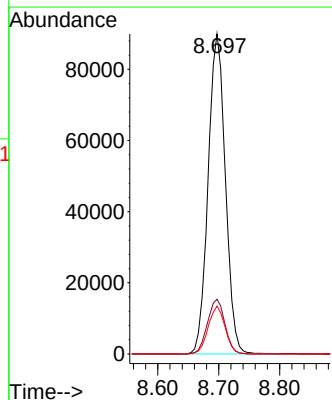
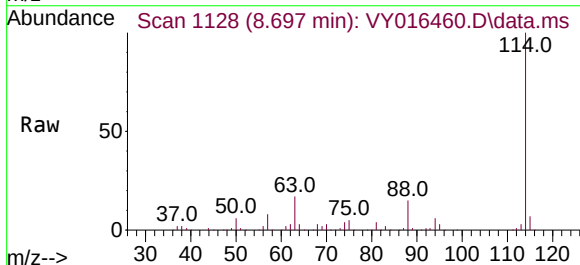
Instrument :
 MSVOA_Y
 ClientSampleId :

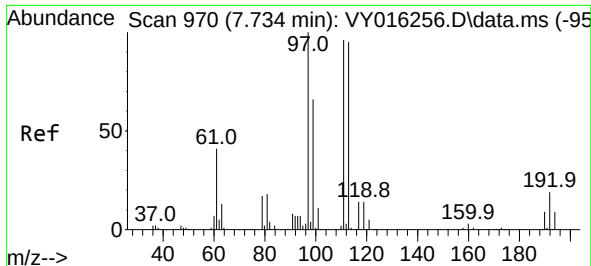
Tgt Ion: 65 Resp: 62630
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.006 min
 Lab File: VY016460.D
 Acq: 22 Nov 2023 14:23

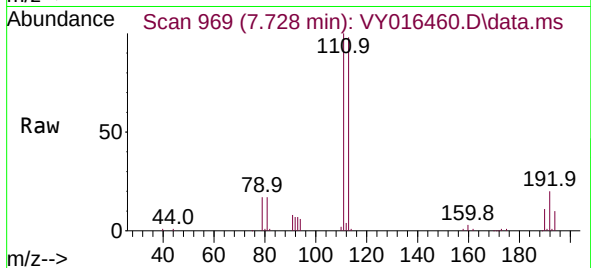
Tgt Ion:114 Resp: 177106
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 42.4
 88 14.9 0.0 30.6



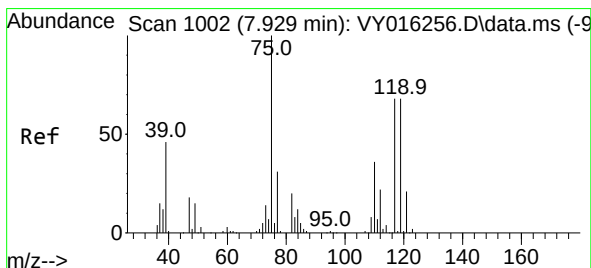
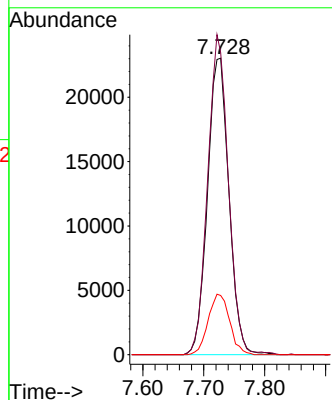
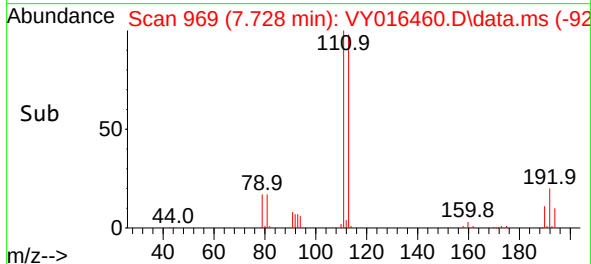


#35
Dibromofluoromethane
Concen: 56.070 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

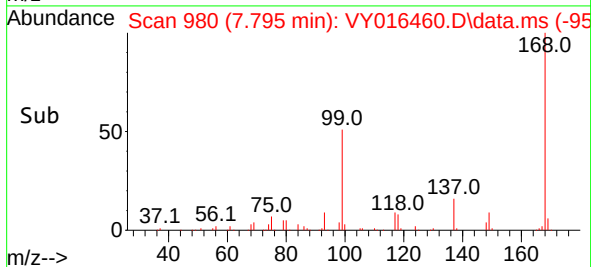
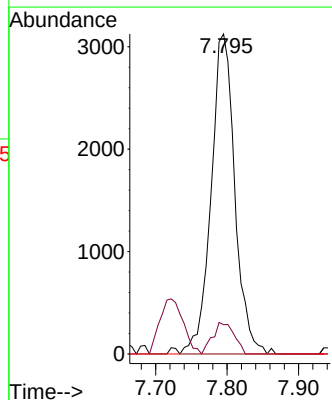
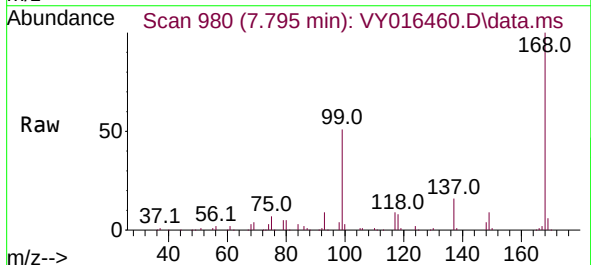


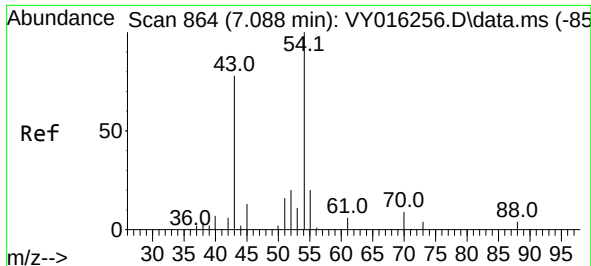
Tgt Ion:113 Resp: 56411
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.121 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion: 75 Resp: 7200
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.961 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Instrument :

MSVOA_Y

ClientSampleId :

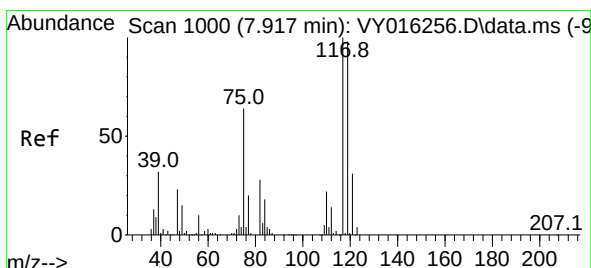
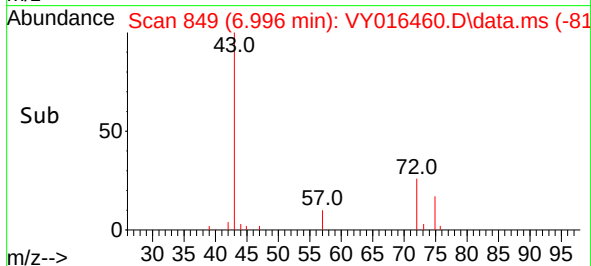
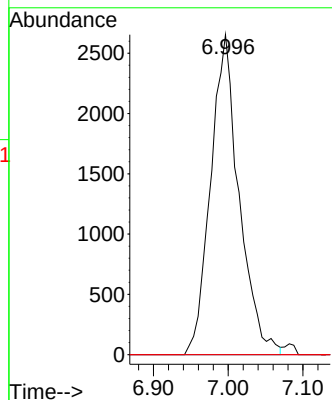
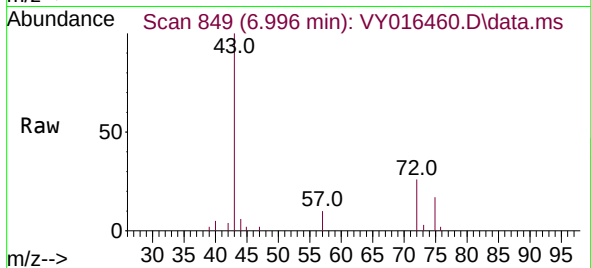
Tgt Ion: 43 Resp: 7031

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.470 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

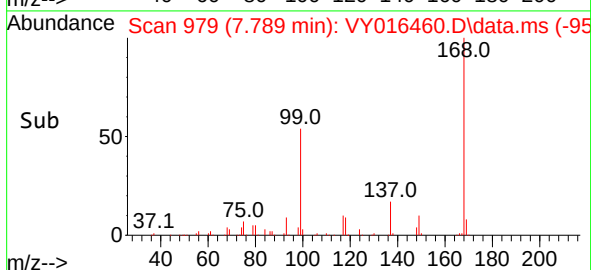
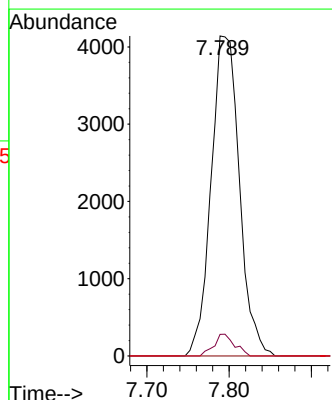
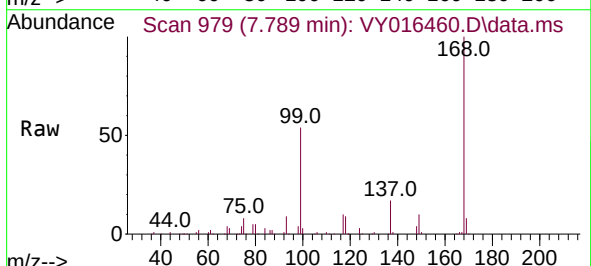
Tgt Ion: 117 Resp: 9917

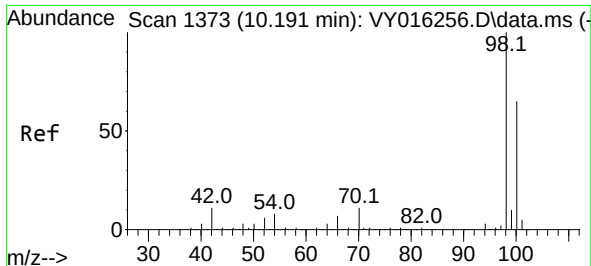
Ion Ratio Lower Upper

117 100

119 6.8 76.4 114.6#

121 0.0 25.8 38.6#

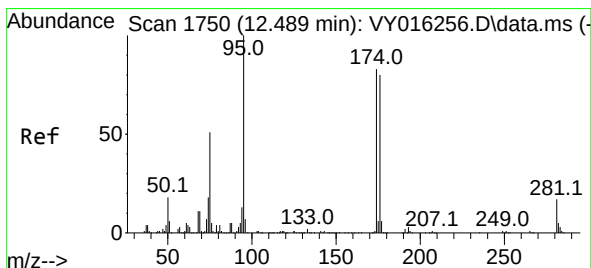
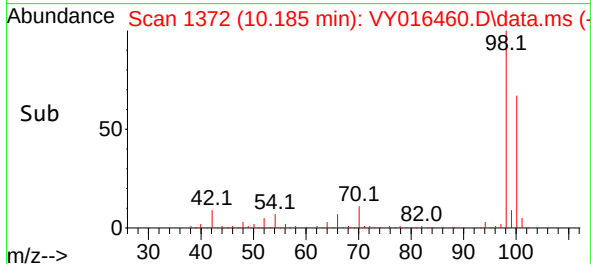
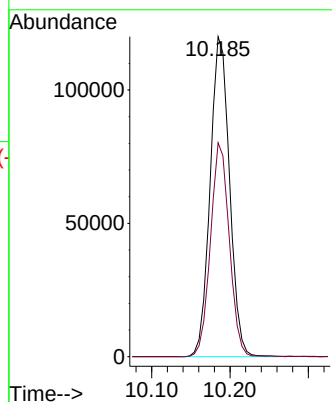
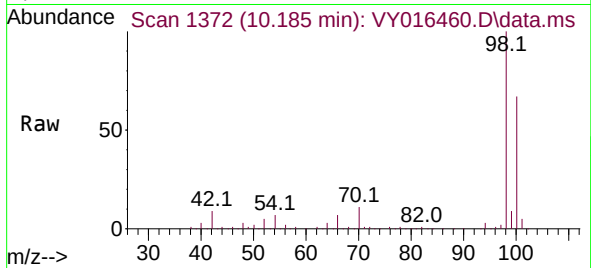




#50
Toluene-d8
Concen: 50.472 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

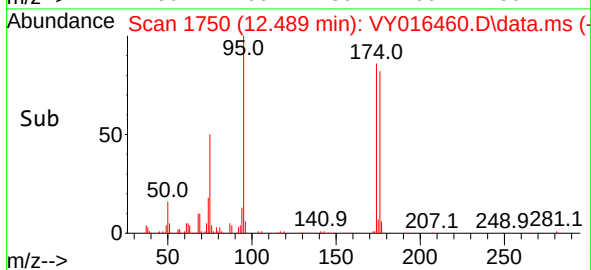
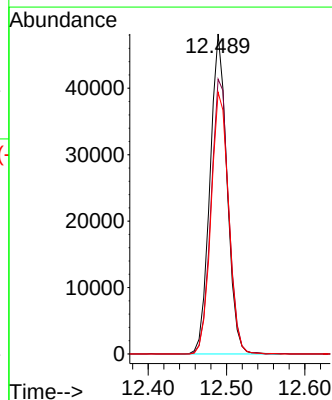
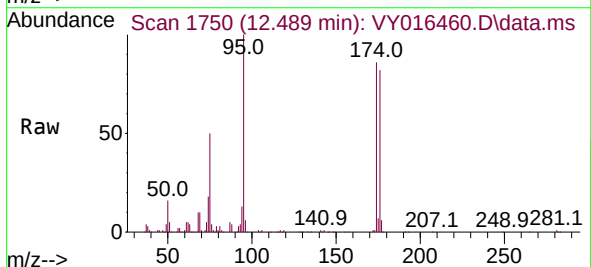
Instrument :
MSVOA_Y
ClientSampleId :

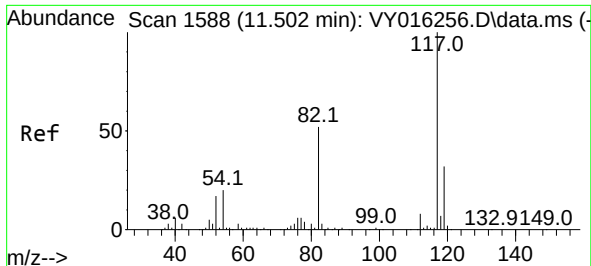
Tgt Ion: 98 Resp: 205919
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.971 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

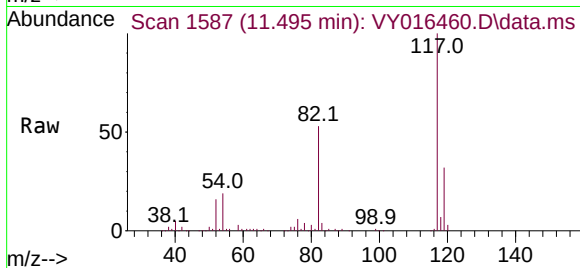
Tgt Ion: 95 Resp: 72840
Ion Ratio Lower Upper
95 100
174 88.5 0.0 178.2
176 84.5 0.0 173.8



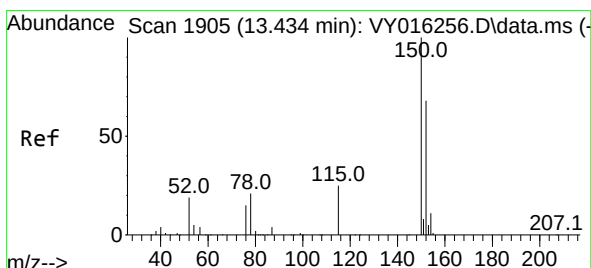
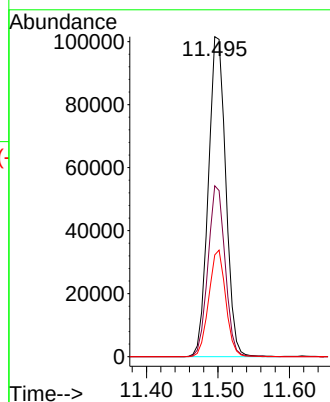
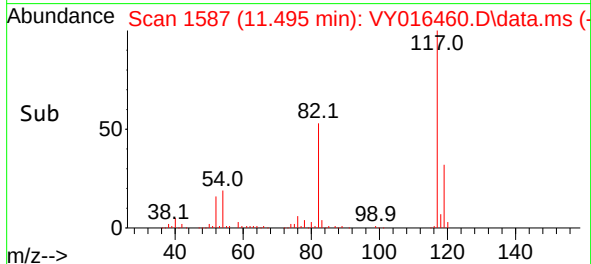


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Instrument :
MSVOA_Y
ClientSampleId :

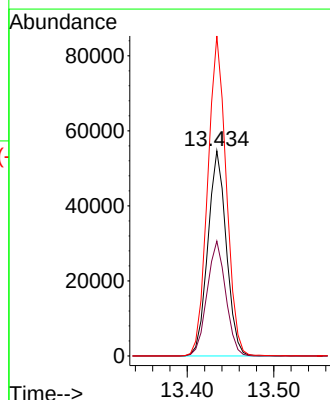
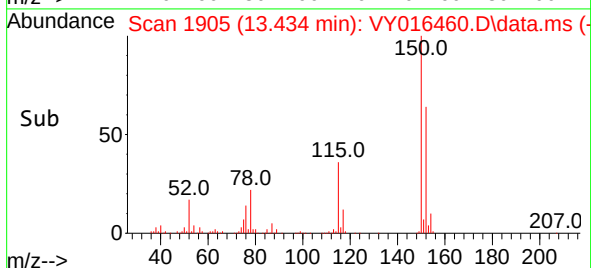
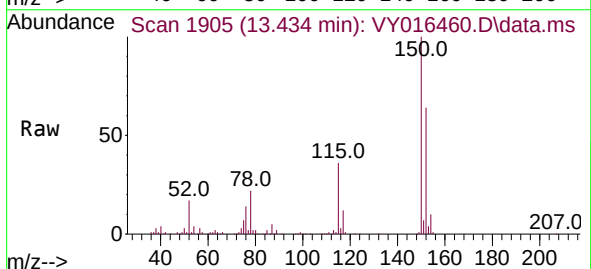


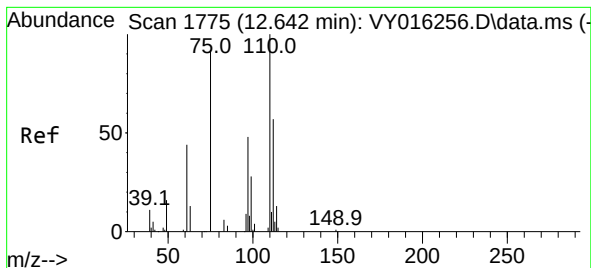
Tgt Ion:117 Resp: 171777
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016460.D
Acq: 22 Nov 2023 14:23

Tgt Ion:152 Resp: 80911
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 156.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.907 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Instrument :

MSVOA_Y

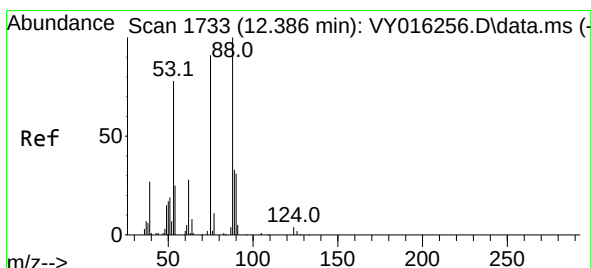
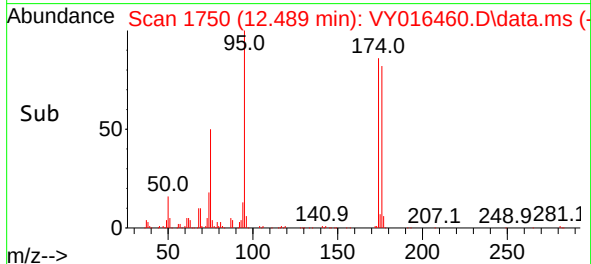
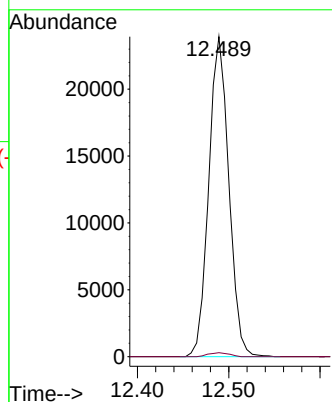
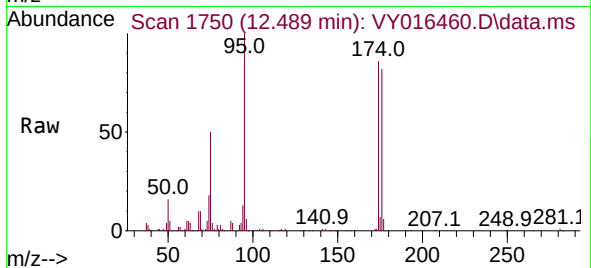
ClientSampleId :

Tgt Ion: 75 Resp: 36408

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.816 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.103 min

Lab File: VY016460.D

Acq: 22 Nov 2023 14:23

Tgt Ion: 75 Resp: 36408

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

