

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016468.D
 Acq On : 22 Nov 2023 17:31
 Operator : SY/MD
 Sample : 05466-04RE
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:08:59 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)

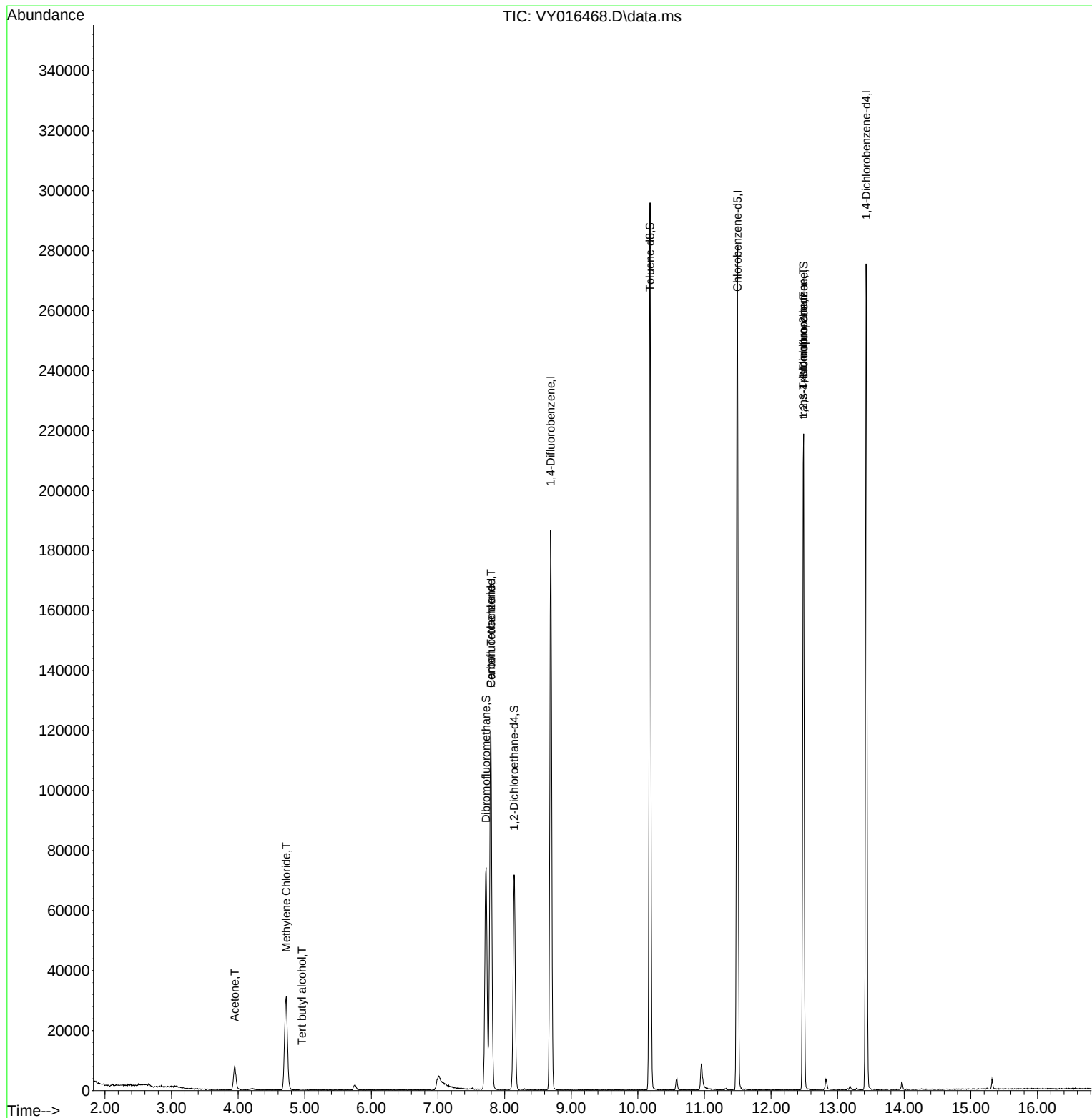
Internal Standards						
1) Pentafluorobenzene	7.795	168	97908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169293	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	166804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57025	63.726	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.460%	
35) Dibromofluoromethane	7.722	113	53825	55.969	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.940%	
50) Toluene-d8	10.185	98	200191	51.333	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.489	95	68452	54.043	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	383	5.466	ug/l #	89
16) Acetone	3.948	43	13206	89.219	ug/l #	76
20) Methylene Chloride	4.722	84	25954	22.937	ug/l #	83
38) Carbon Tetrachloride	7.795	117	9549	5.510	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	34585	47.493	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34585	103.088	ug/l #	10

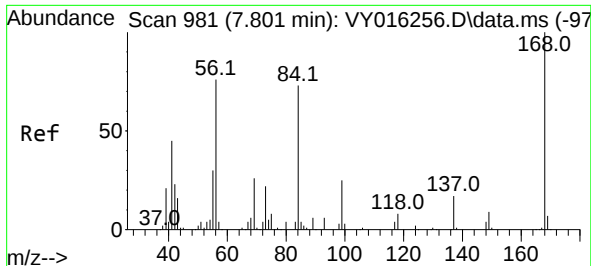
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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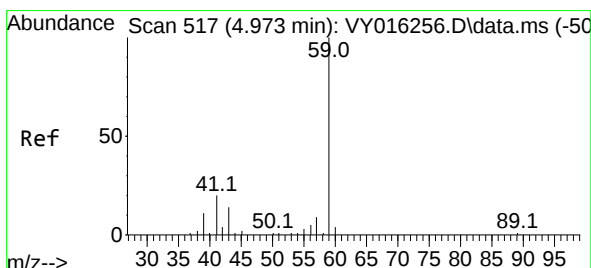
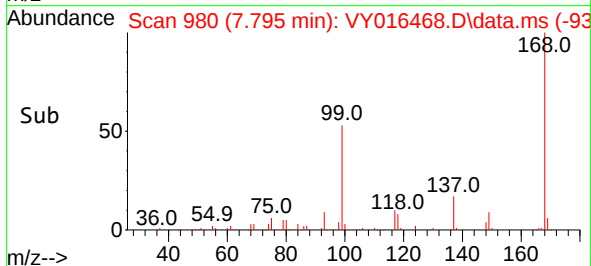
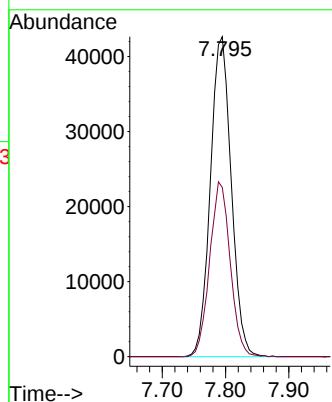
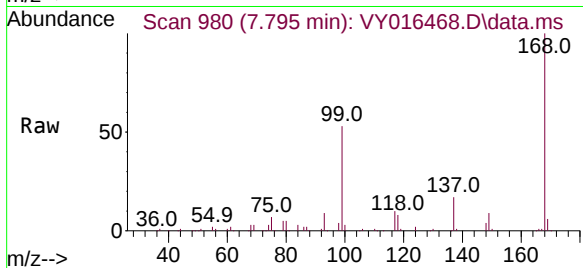




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

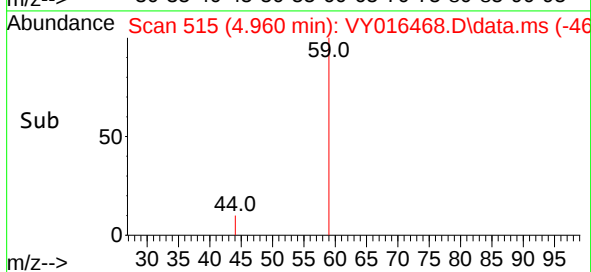
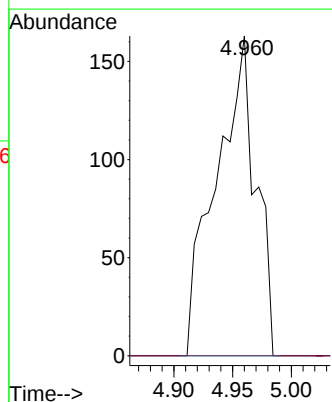
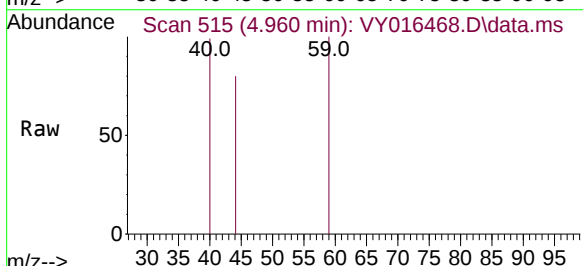
Instrument :
MSVOA_Y
ClientSampleId :

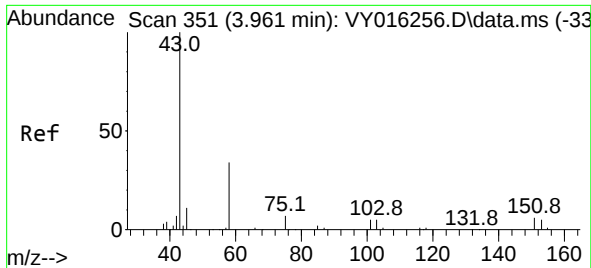
Tgt Ion:168 Resp: 97908
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.466 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.013 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 89.219 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.013 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Instrument :

MSVOA_Y

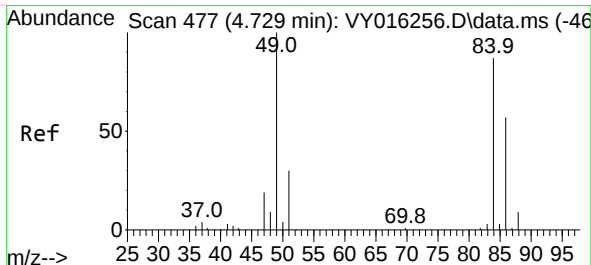
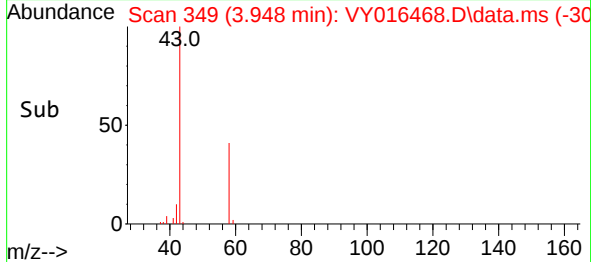
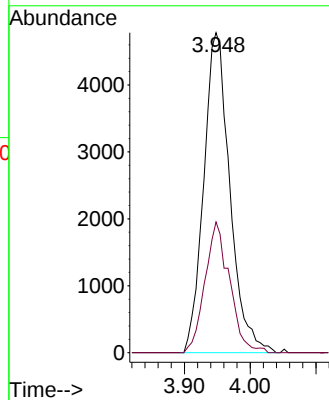
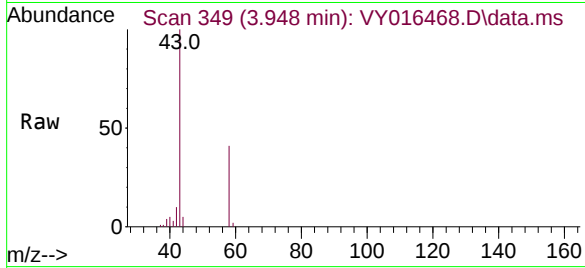
ClientSampleId :

Tgt Ion: 43 Resp: 13206

Ion Ratio Lower Upper

43 100

58 40.8 22.7 34.1#



#20

Methylene Chloride

Concen: 22.937 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Tgt Ion: 84 Resp: 25954

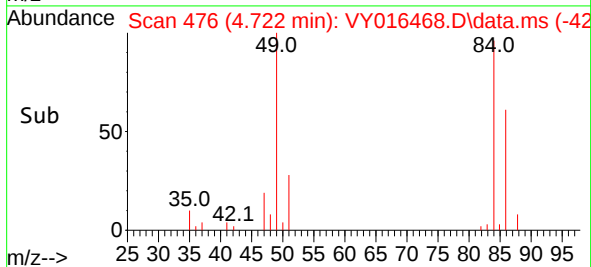
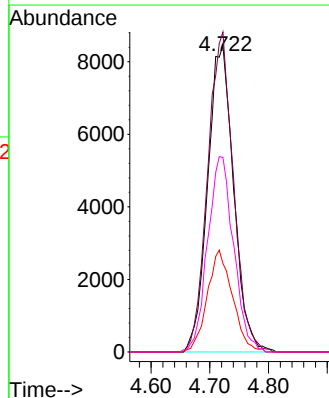
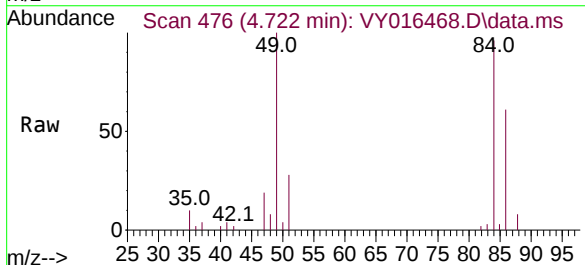
Ion Ratio Lower Upper

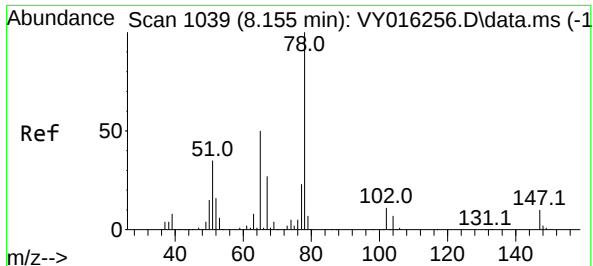
84 100

49 104.4 106.9 160.3#

51 28.9 33.2 49.8#

86 63.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 63.726 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.013 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

Instrument :

MSVOA_Y

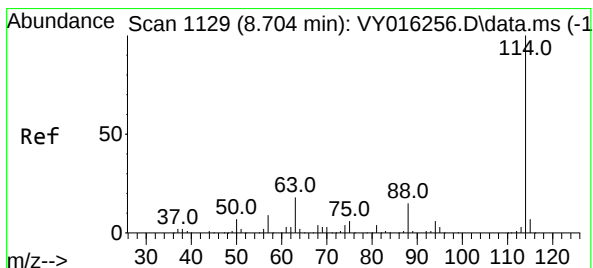
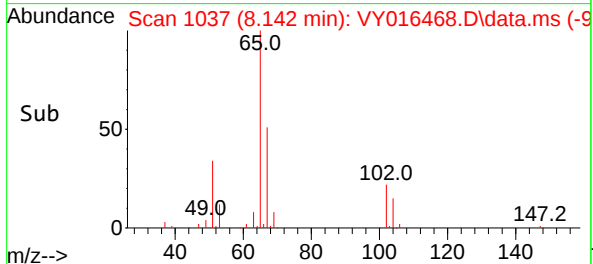
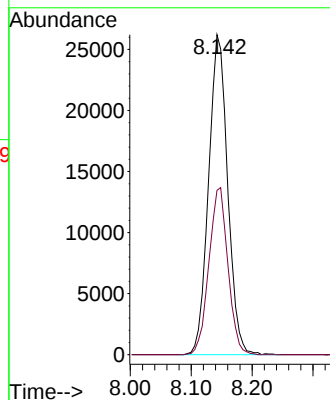
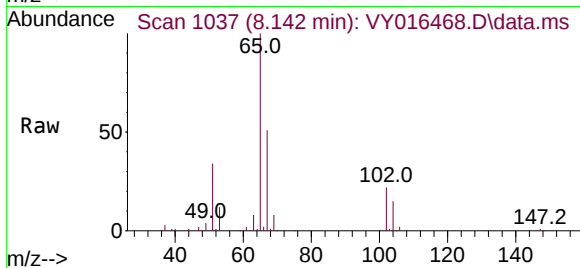
ClientSampleId :

Tgt Ion: 65 Resp: 57025

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.013 min

Lab File: VY016468.D

Acq: 22 Nov 2023 17:31

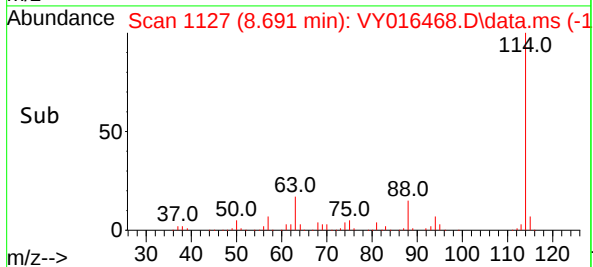
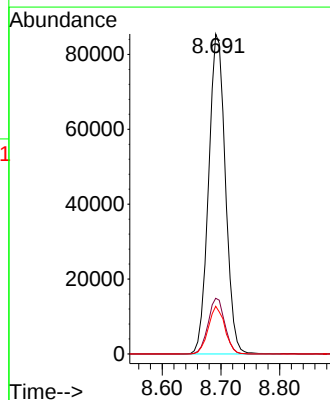
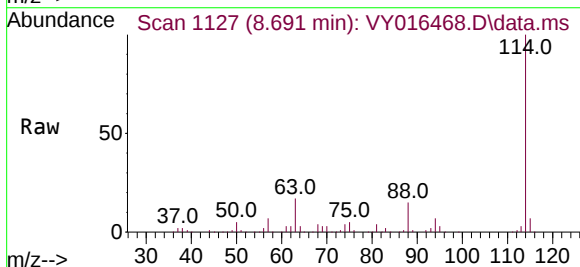
Tgt Ion:114 Resp: 169293

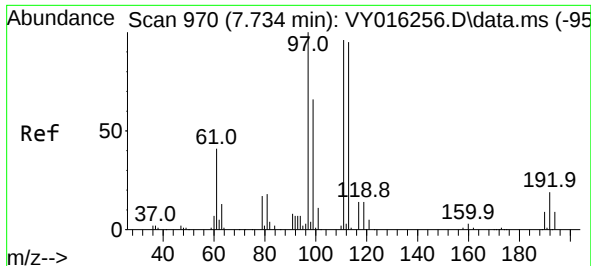
Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

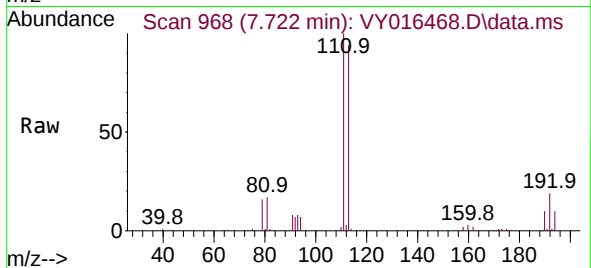
88 14.9 0.0 30.6



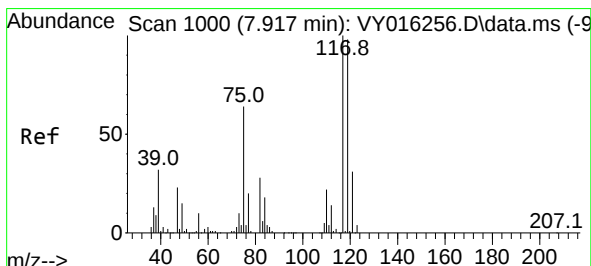
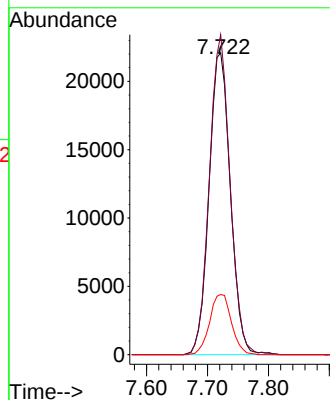
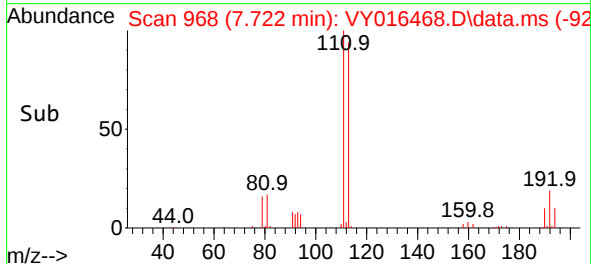


#35
Dibromofluoromethane
Concen: 55.969 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.013 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

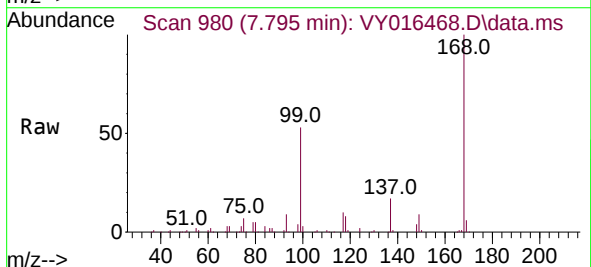
Instrument :
MSVOA_Y
ClientSampleId :



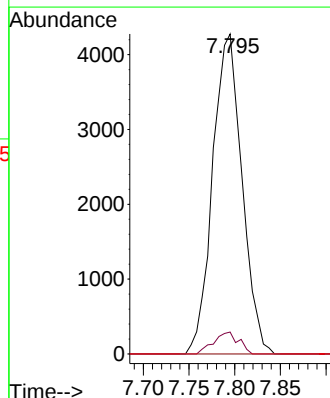
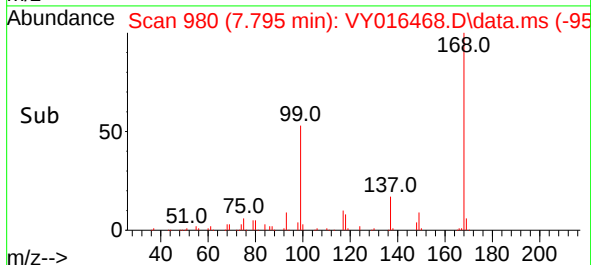
Tgt Ion:113 Resp: 53825
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 20.4 16.9 25.3

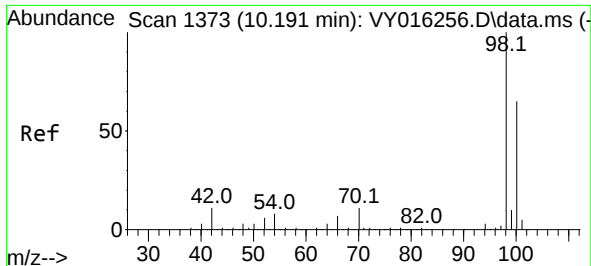


#38
Carbon Tetrachloride
Concen: 5.510 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31



Tgt Ion:117 Resp: 9549
Ion Ratio Lower Upper
117 100
119 6.9 76.4 114.6#
121 0.0 25.8 38.6#

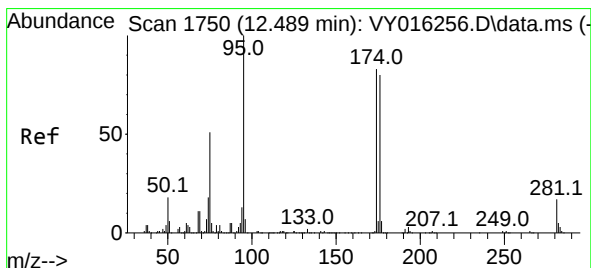
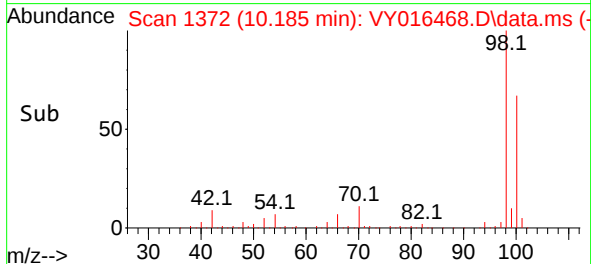
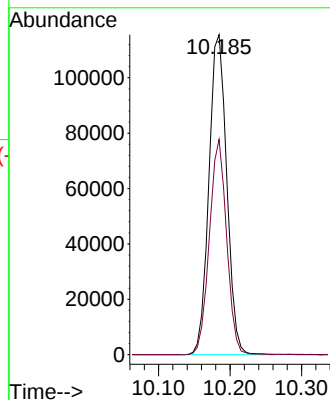
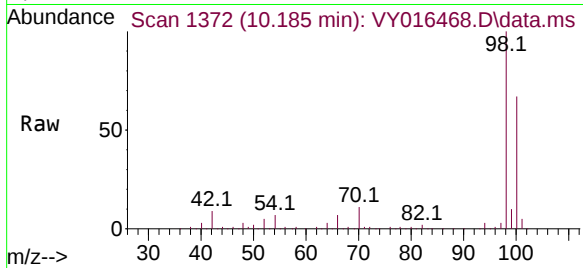




#50
Toluene-d8
Concen: 51.333 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

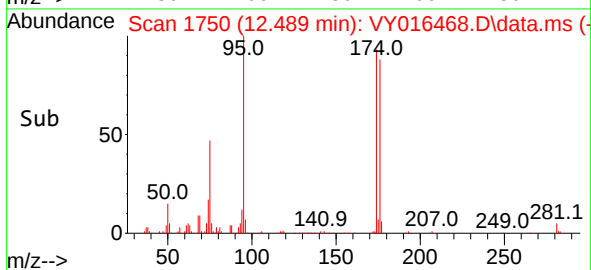
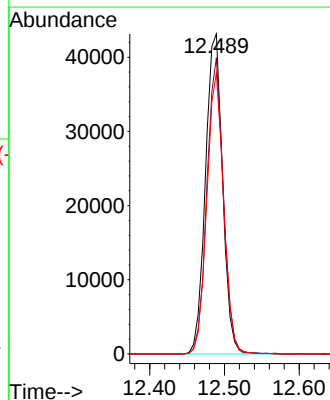
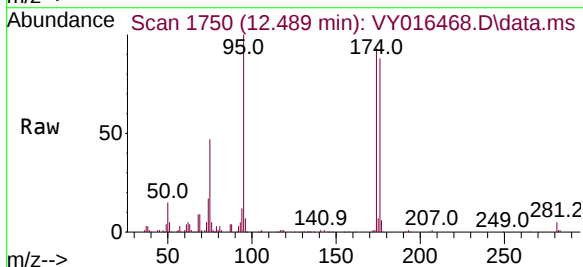
Instrument :
MSVOA_Y
ClientSampleId :

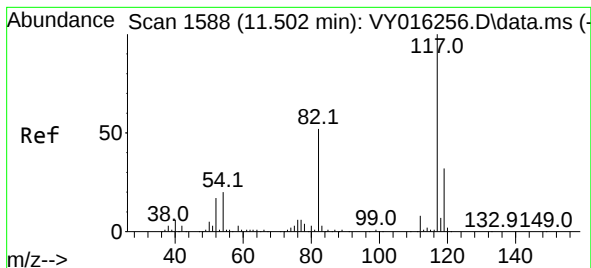
Tgt Ion: 98 Resp: 200191
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.043 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

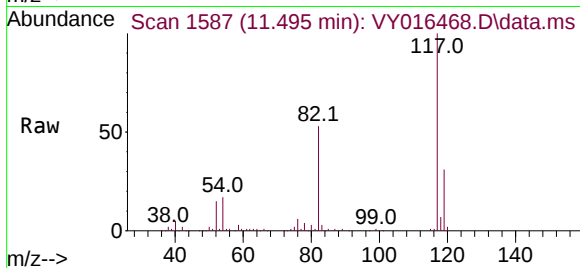
Tgt Ion: 95 Resp: 68452
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.2
176 85.9 0.0 173.8



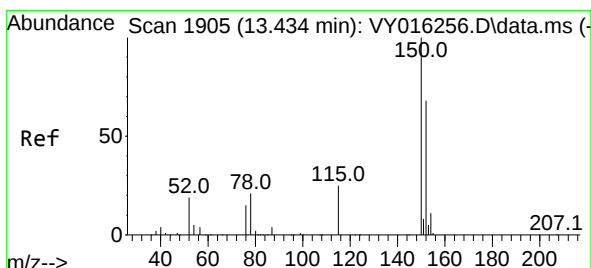
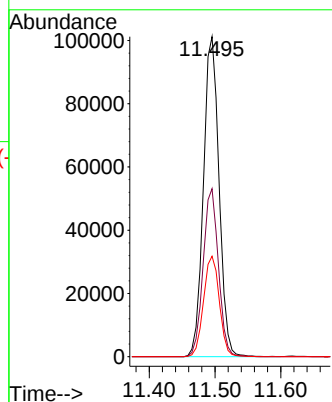
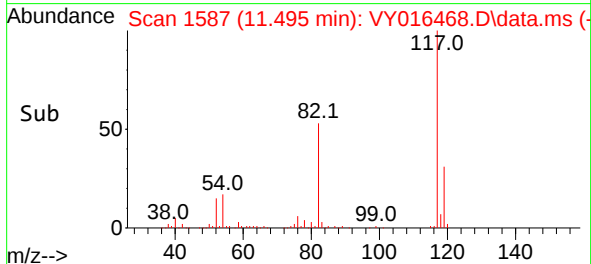


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

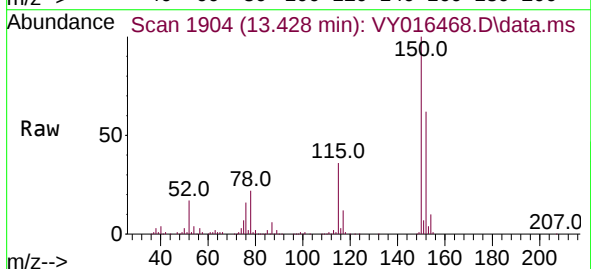
Instrument :
MSVOA_Y
ClientSampleId :



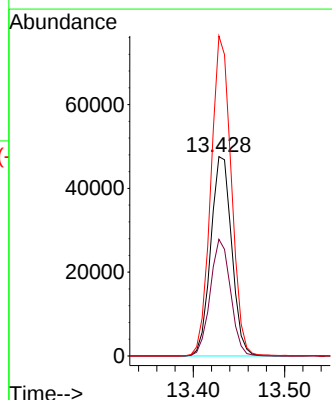
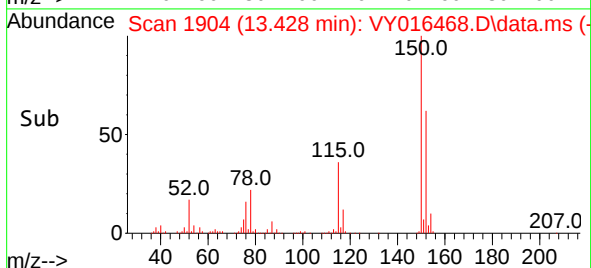
Tgt Ion:117 Resp: 166804
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 31.4 26.3 39.5

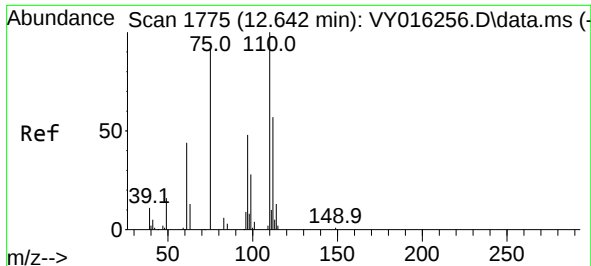


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31



Tgt Ion:152 Resp: 75911
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 156.2 0.0 348.8

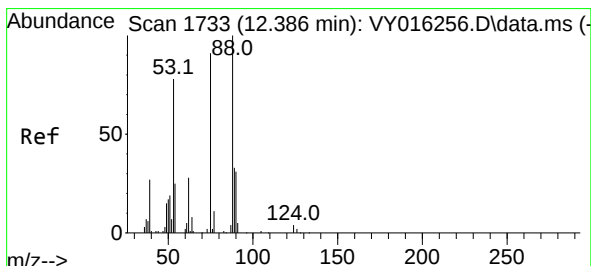
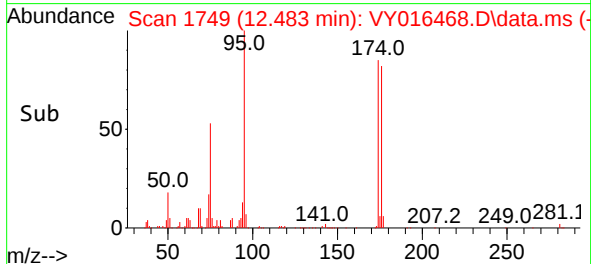
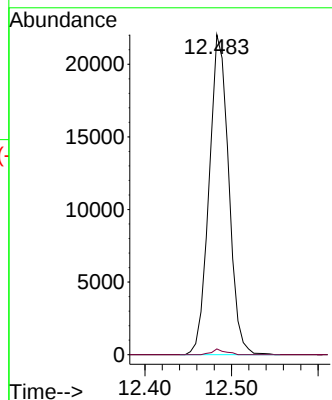
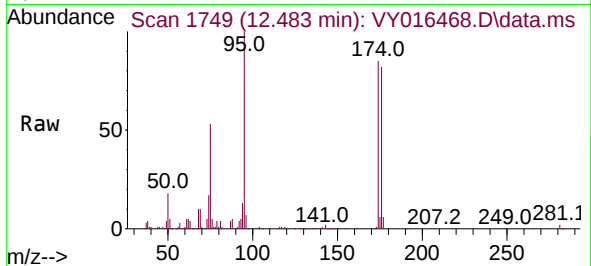




#76
1,2,3-Trichloropropane
Concen: 47.493 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.159 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 34585
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.088 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY016468.D
Acq: 22 Nov 2023 17:31

Tgt Ion: 75 Resp: 34585
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

