

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112423\
 Data File : VY016485.D
 Acq On : 24 Nov 2023 15:29
 Operator : SY/MD
 Sample : 05517-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 27 04:46:41 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)

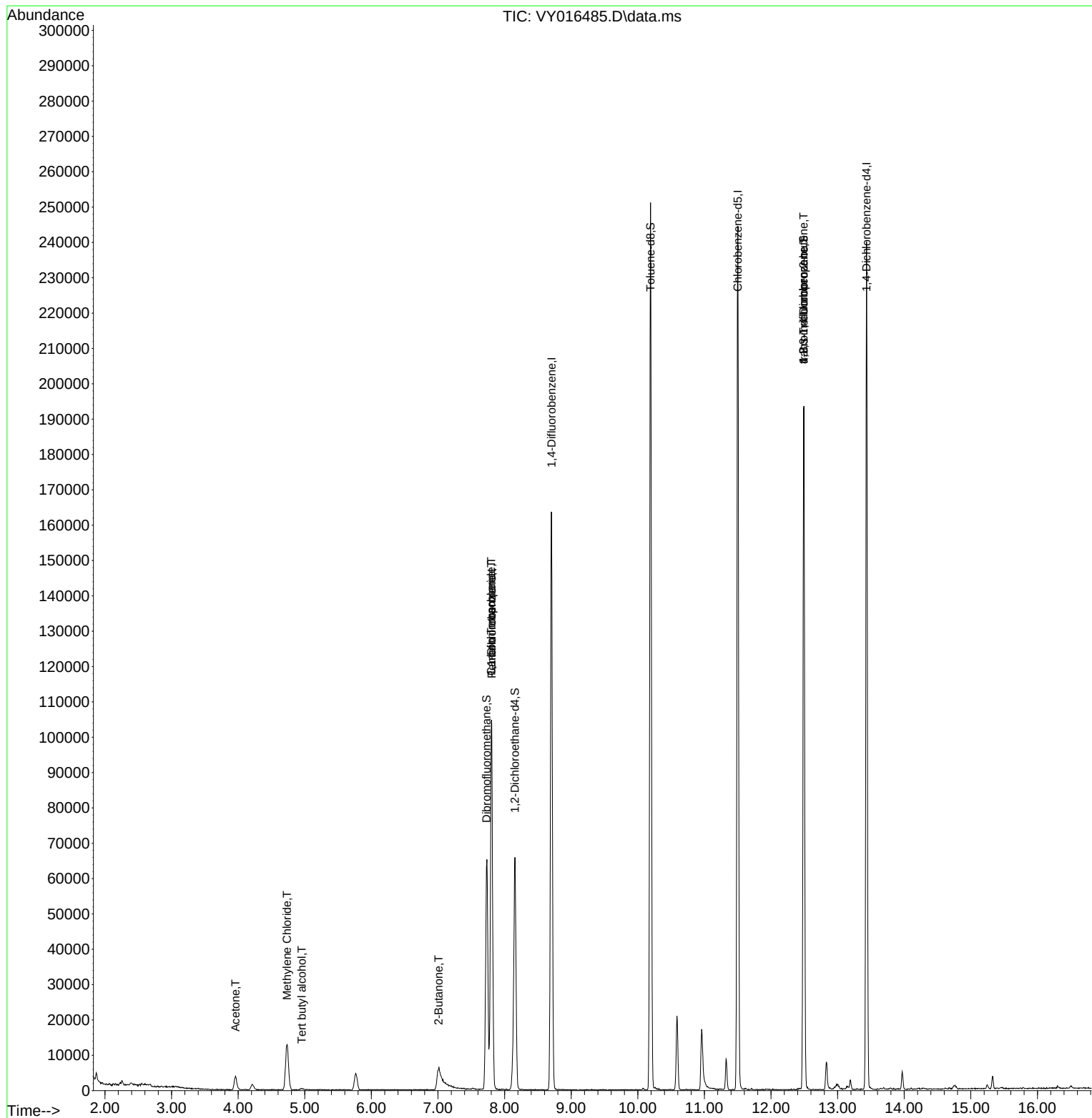
Internal Standards						
1) Pentafluorobenzene	7.807	168	83616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	146932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	143680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	64471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49801	65.166	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.340%	
35) Dibromofluoromethane	7.728	113	47185	56.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.060%	
50) Toluene-d8	10.191	98	171696	50.726	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.460%	
62) 4-Bromofluorobenzene	12.489	95	58931	53.607	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	677	11.313	ug/l #	89
16) Acetone	3.960	43	6582	52.068	ug/l #	88
20) Methylene Chloride	4.734	84	11375	9.950	ug/l #	81
25) 2-Butanone	7.008	43	1917	8.658	ug/l	99
36) 1,1-Dichloropropene	7.801	75	6065	4.185	ug/l #	50
38) Carbon Tetrachloride	7.801	117	8342	5.546	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	30050	48.588	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	30050	105.465	ug/l #	11

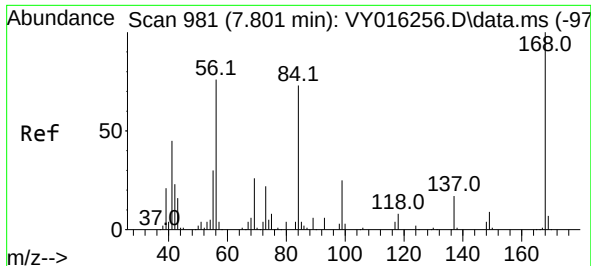
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

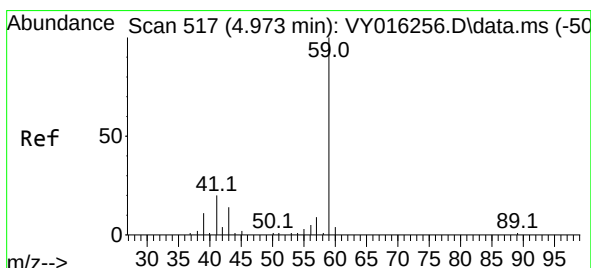
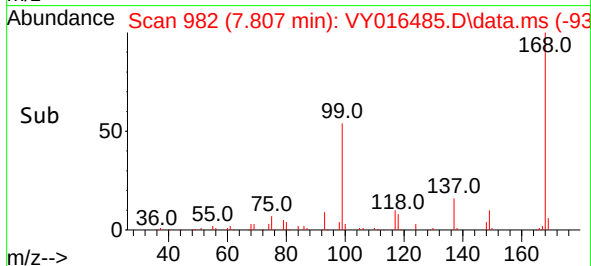
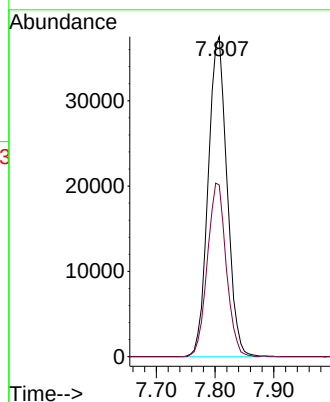
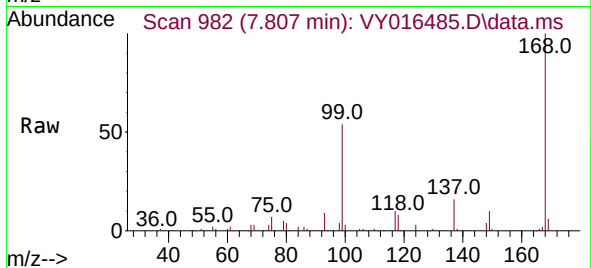




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

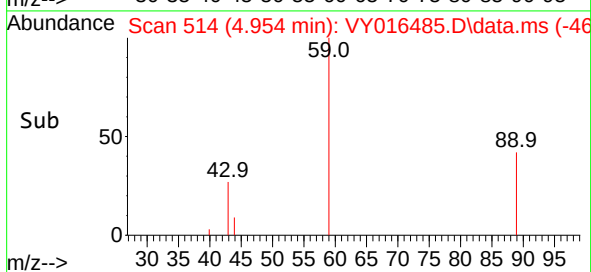
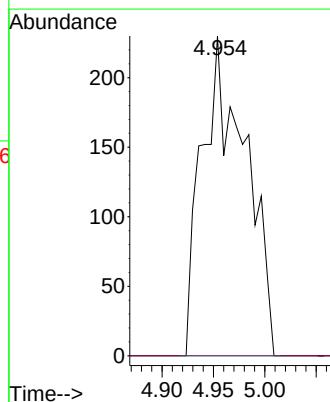
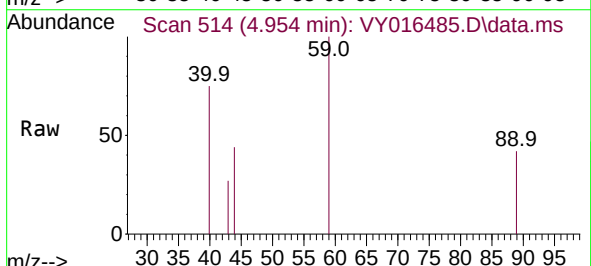
Instrument :
MSVOA_Y
ClientSampleId :

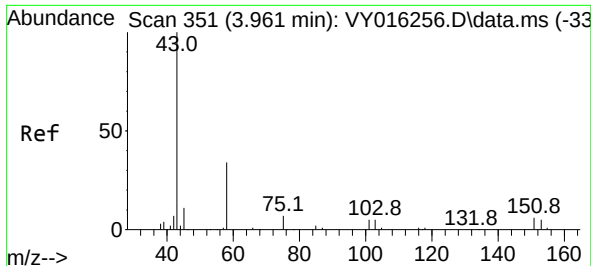
Tgt Ion:168 Resp: 83616
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 11.313 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.019 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

Tgt Ion: 59 Resp: 677
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

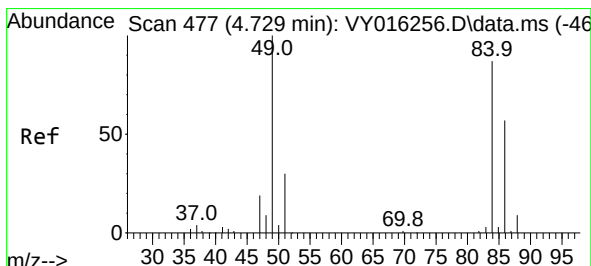
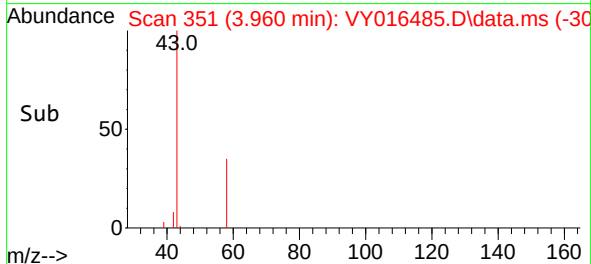
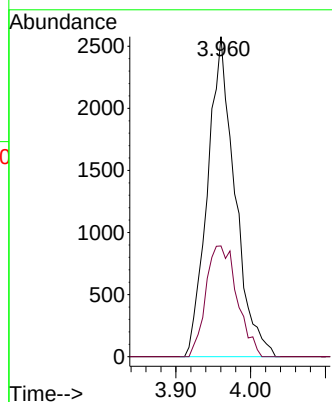
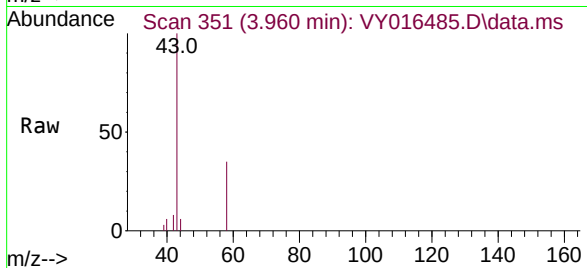




#16
Acetone
Concen: 52.068 ug/l
RT: 3.960 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

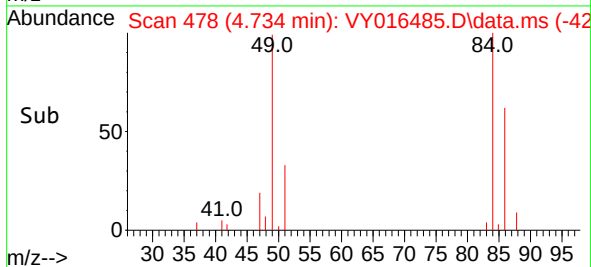
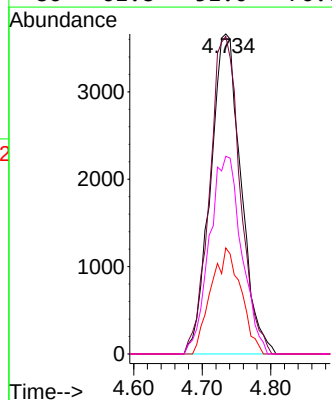
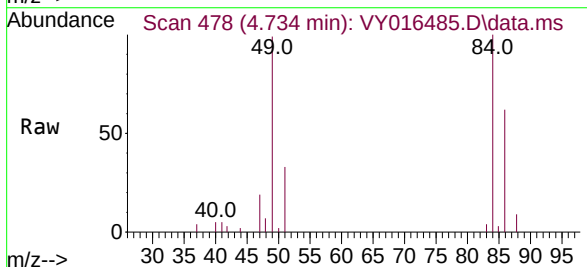
Instrument :
MSVOA_Y
ClientSampleId :

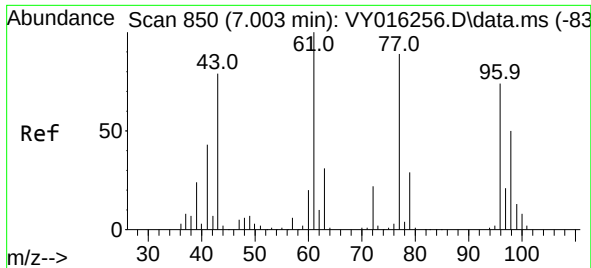
Tgt Ion: 43 Resp: 6582
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#



#20
Methylene Chloride
Concen: 9.950 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.005 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

Tgt Ion: 84 Resp: 11375
Ion Ratio Lower Upper
84 100
49 99.3 106.9 160.3#
51 33.2 33.2 49.8#
86 61.8 51.0 76.6





#25

2-Butanone

Concen: 8.658 ug/l

RT: 7.008 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY016485.D

Acq: 24 Nov 2023 15:29

Instrument :

MSVOA_Y

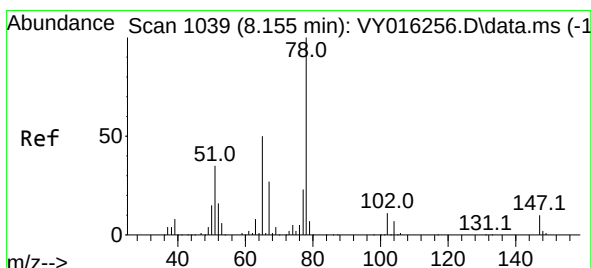
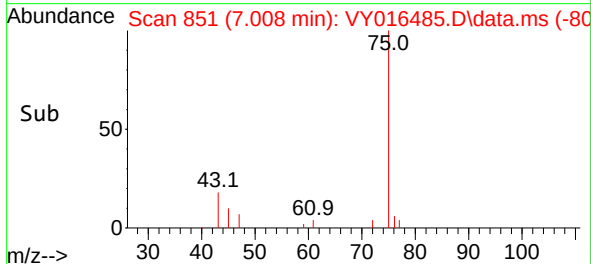
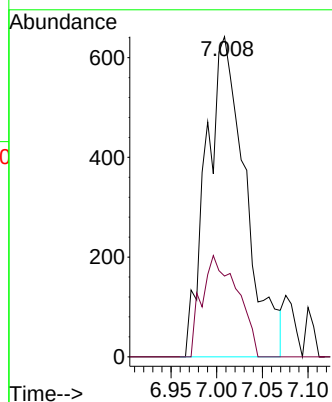
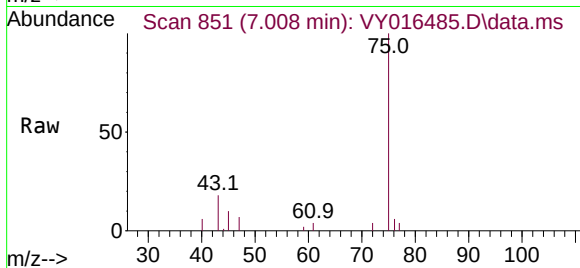
ClientSampleId :

Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

43 100

72 25.2 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 65.166 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016485.D

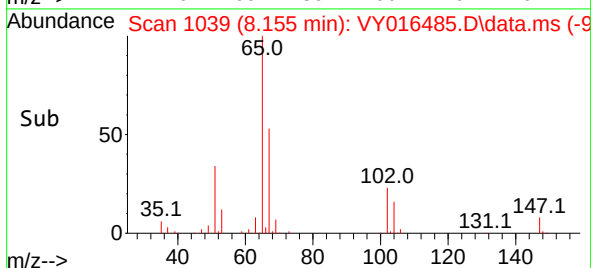
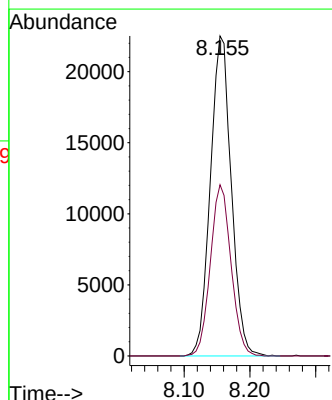
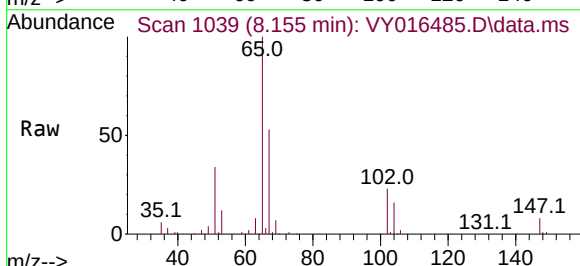
Acq: 24 Nov 2023 15:29

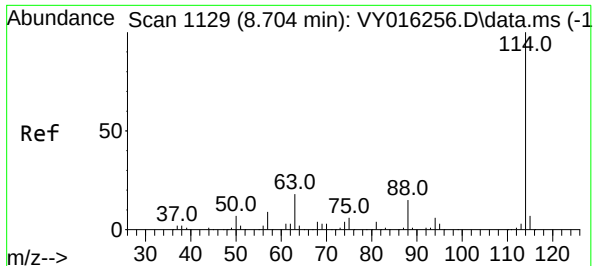
Tgt Ion: 65 Resp: 49801

Ion Ratio Lower Upper

65 100

67 52.8 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: VY016485.D

Acq: 24 Nov 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

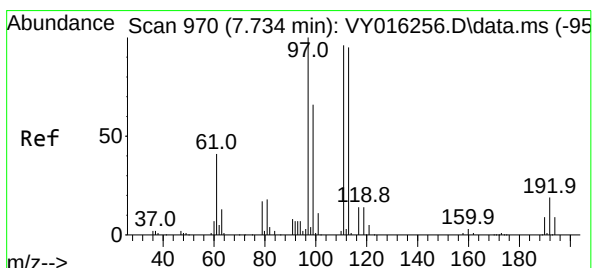
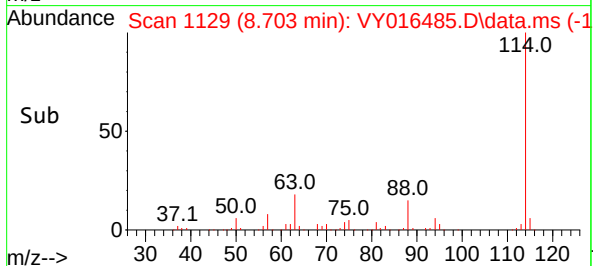
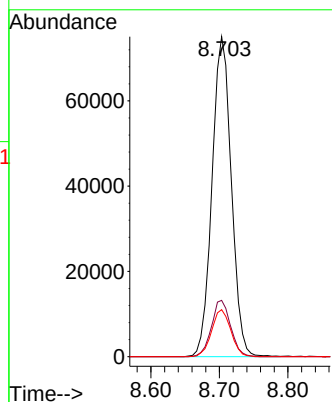
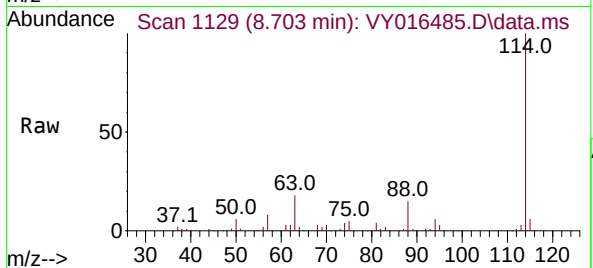
Tgt Ion:114 Resp: 146932

Ion Ratio Lower Upper

114 100

63 17.6 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.532 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016485.D

Acq: 24 Nov 2023 15:29

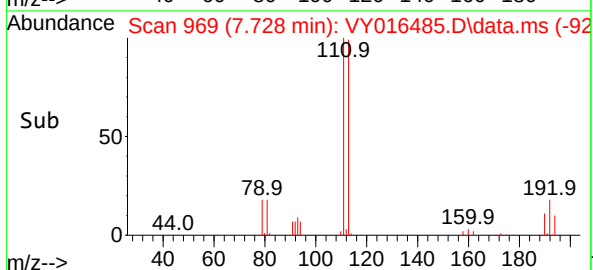
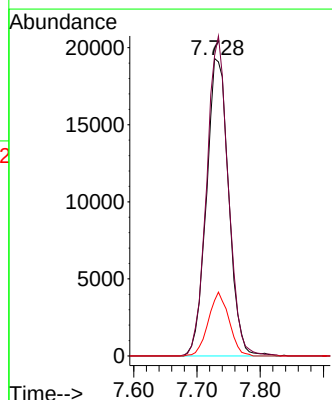
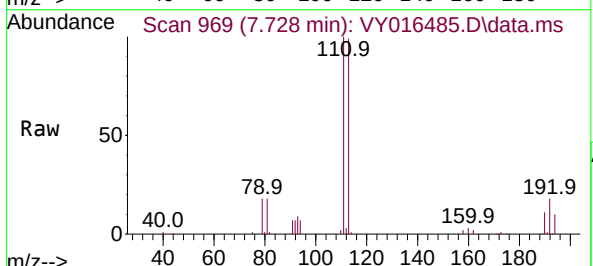
Tgt Ion:113 Resp: 47185

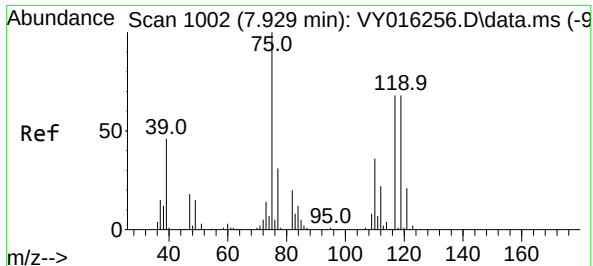
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.185 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

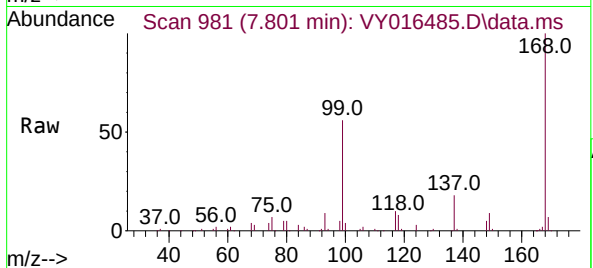
Lab File: VY016485.D

Acq: 24 Nov 2023 15:29

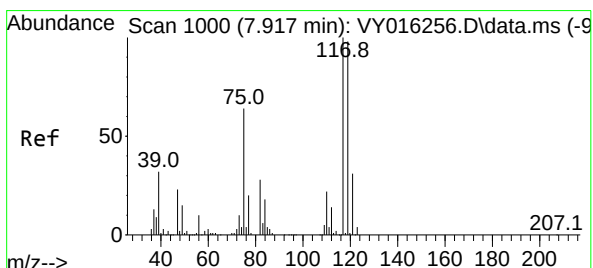
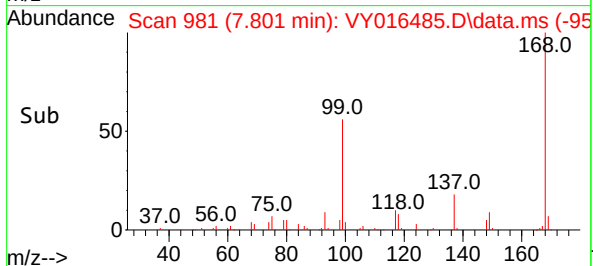
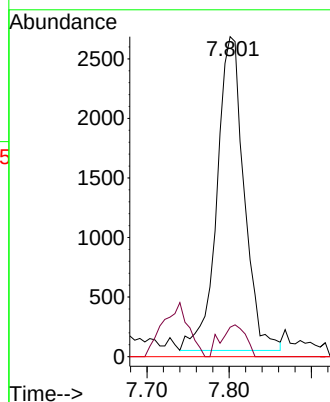
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6065
Ion Ratio	Lower Upper
75	100
110	9.2 17.8 53.5#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.546 ug/l

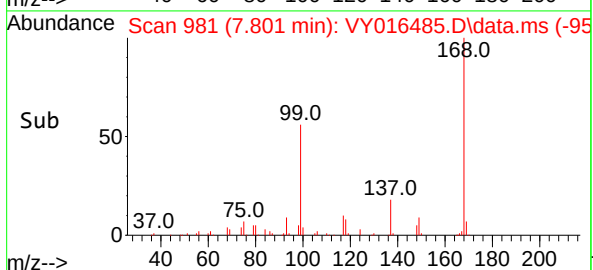
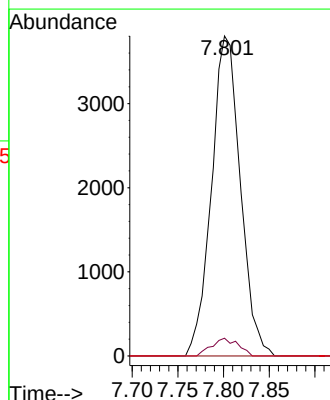
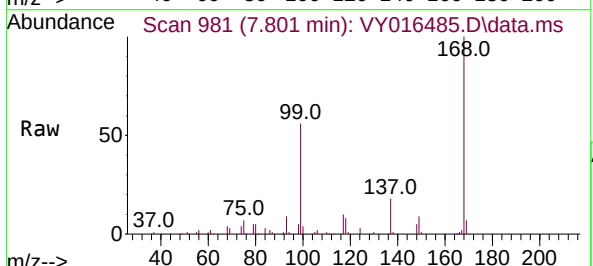
RT: 7.801 min Scan# 981

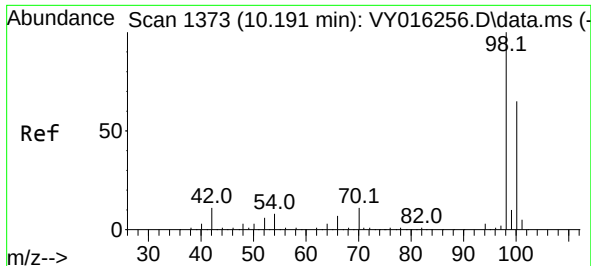
Delta R.T. -0.116 min

Lab File: VY016485.D

Acq: 24 Nov 2023 15:29

Tgt Ion: 117	Resp: 8342
Ion Ratio	Lower Upper
117	100
119	5.5 76.4 114.6#
121	0.0 25.8 38.6#

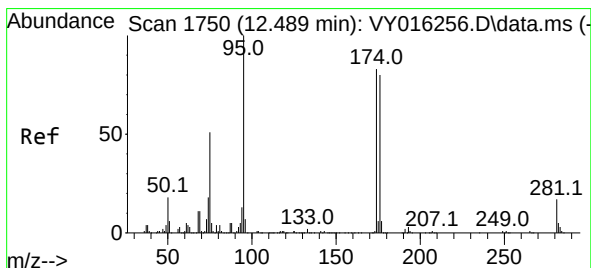
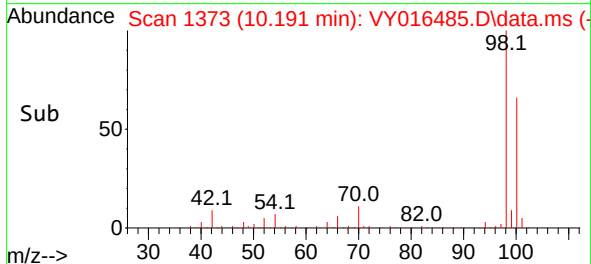
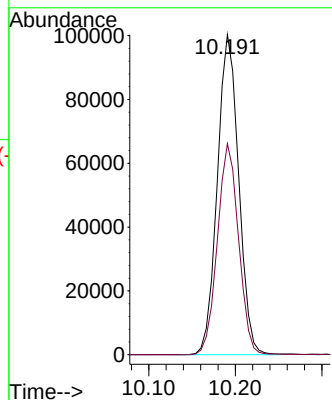
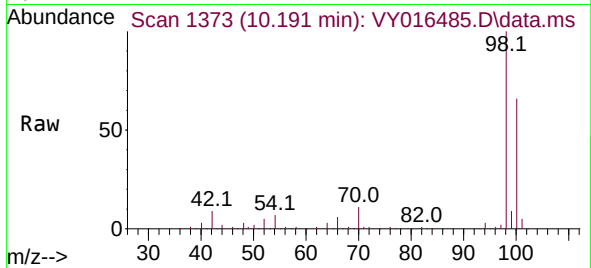




#50
Toluene-d8
Concen: 50.726 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

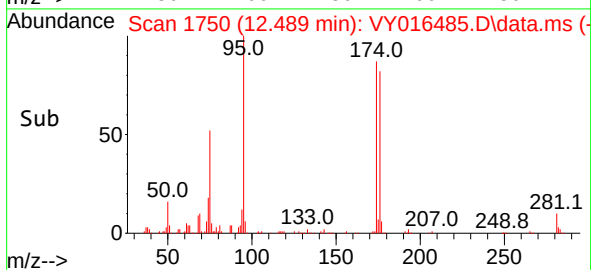
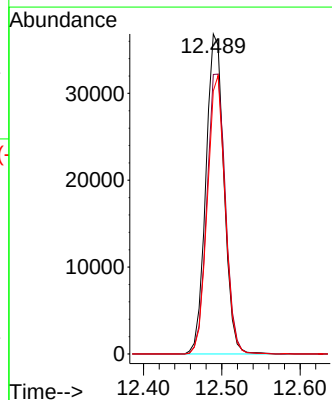
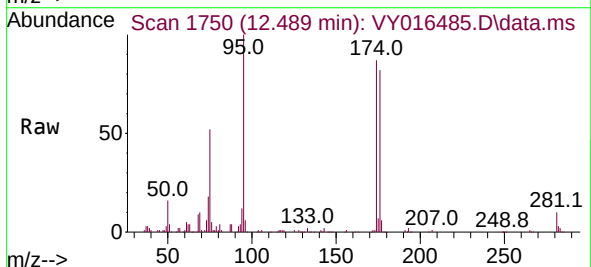
Instrument :
MSVOA_Y
ClientSampleId :

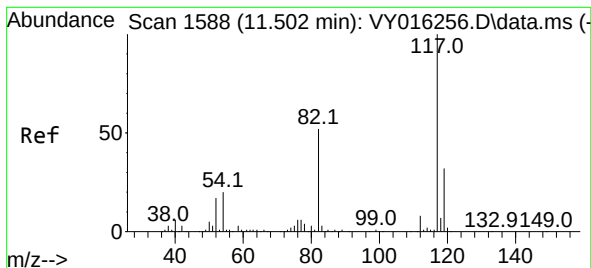
Tgt Ion: 98 Resp: 171696
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.607 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

Tgt Ion: 95 Resp: 58931
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.2
176 85.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016485.D

Acq: 24 Nov 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

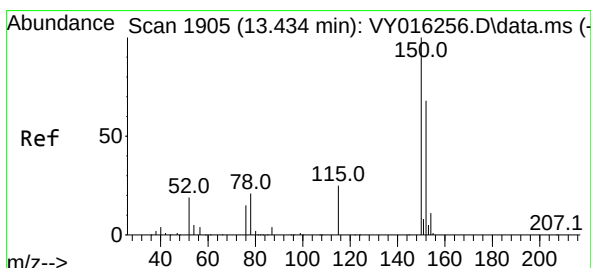
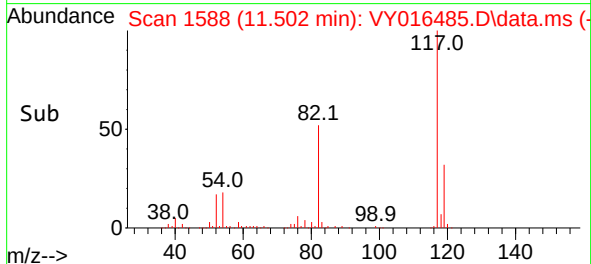
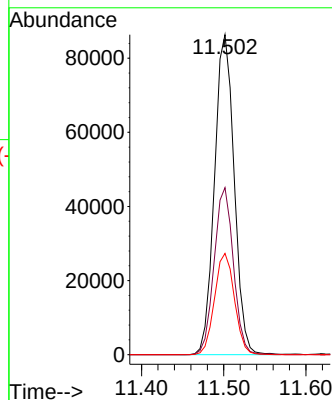
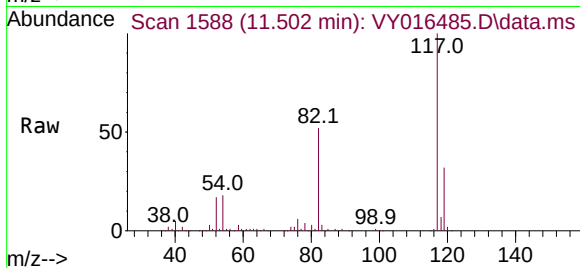
Tgt Ion:117 Resp: 143680

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.6 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: VY016485.D

Acq: 24 Nov 2023 15:29

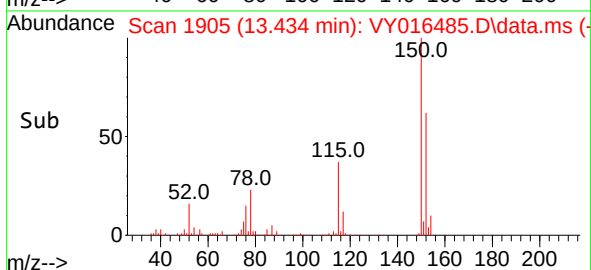
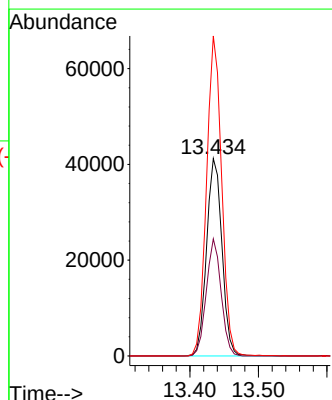
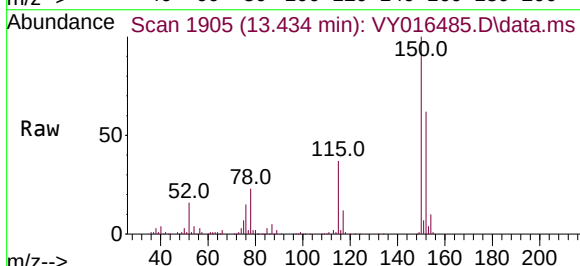
Tgt Ion:152 Resp: 64471

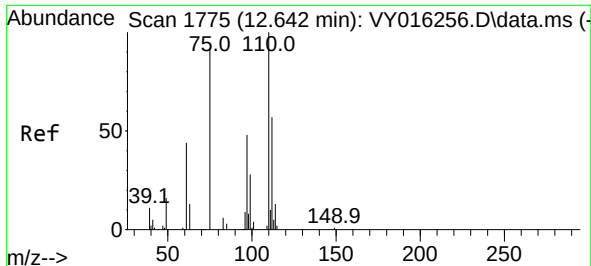
Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 159.1 0.0 348.8

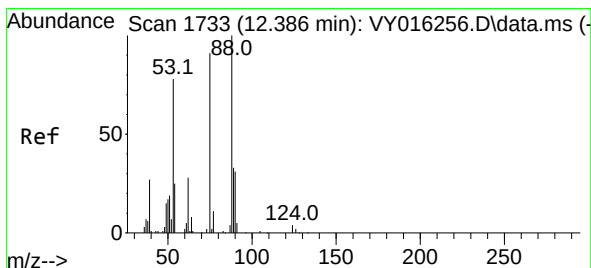
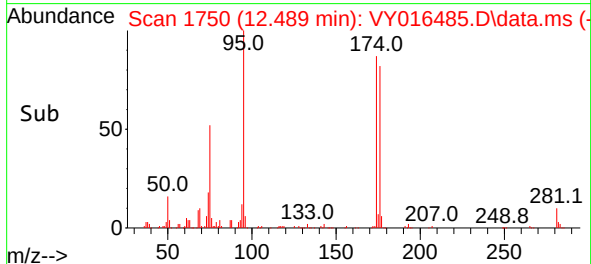
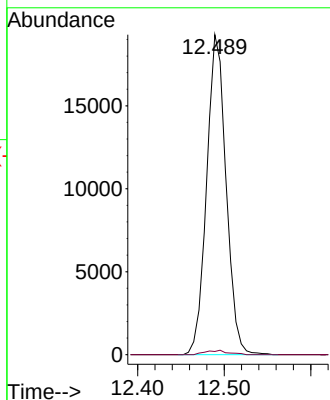
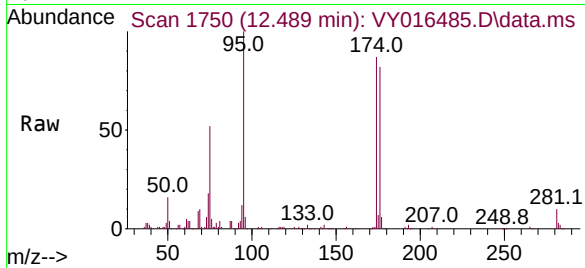




#76
1,2,3-Trichloropropane
Concen: 48.588 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30050
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.465 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016485.D
Acq: 24 Nov 2023 15:29

Tgt Ion: 75 Resp: 30050
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

