

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016372.D
 Acq On : 15 Nov 2023 17:31
 Operator : SY/MD
 Sample : 05432-11
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

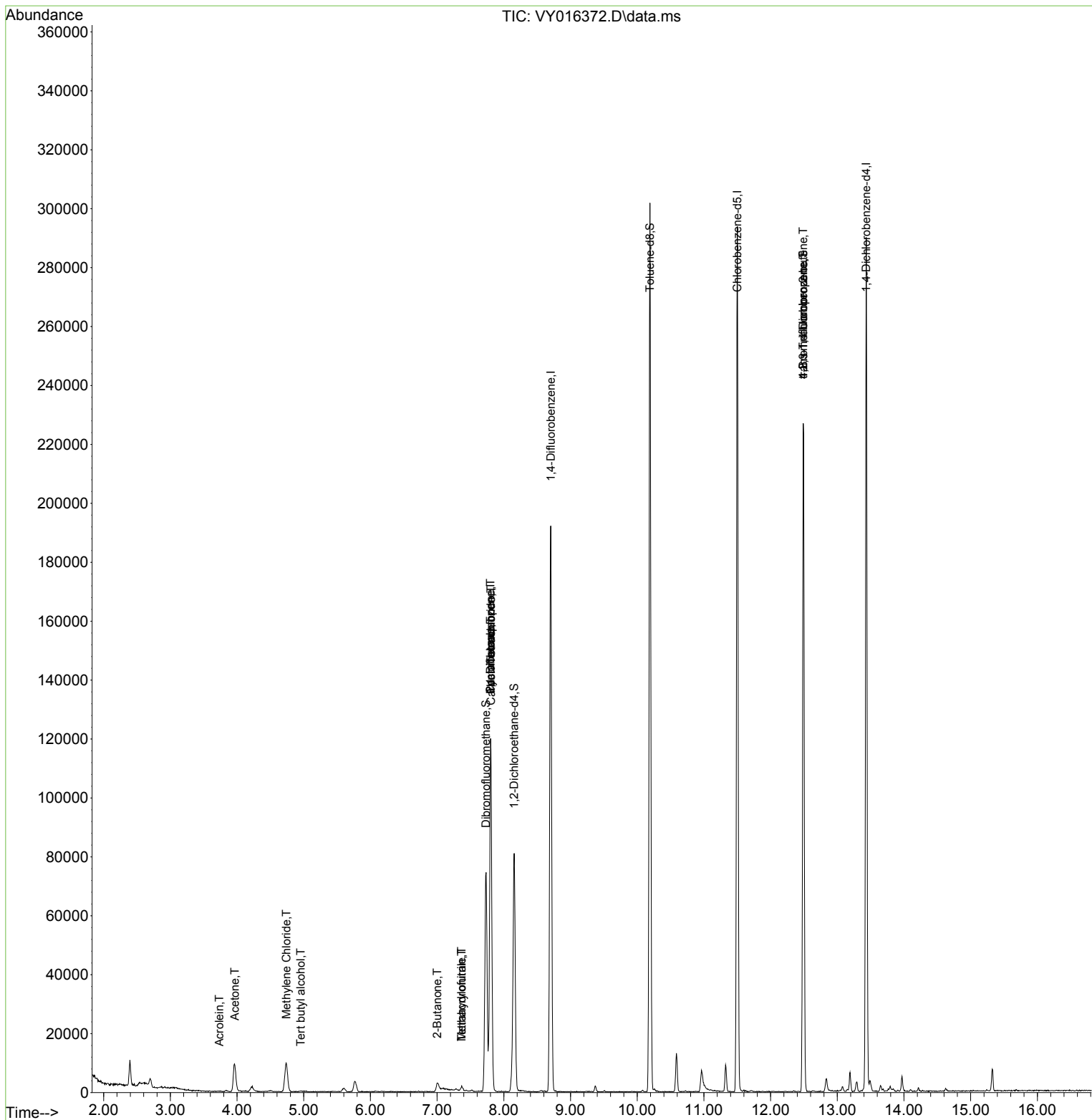
Quant Time: Nov 16 00:07:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

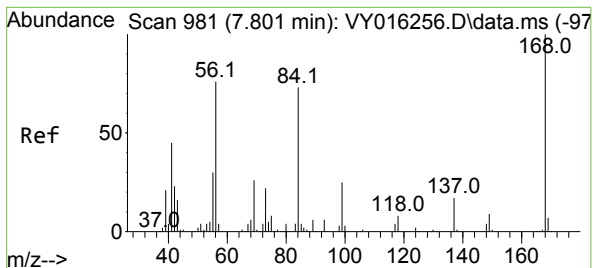
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	92794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	167898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	162536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	73865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	62050	73.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.320%	
35) Dibromofluoromethane	7.734	113	53327	55.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.820%	
50) Toluene-d8	10.191	98	198132	51.227	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	12.489	95	68115	54.224	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	554	8.342	ug/l #	89
13) Acrolein	3.735	56	127	1.585	ug/l #	14
16) Acetone	3.966	43	16642	118.629	ug/l	95
20) Methylene Chloride	4.741	84	8012	4.948	ug/l #	83
25) 2-Butanone	7.003	43	5027	20.458	ug/l	98
29) Tetrahydrofuran	7.368	42	832	5.123	ug/l	94
31) Cyclohexane	7.801	56	1817	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	6880	4.154	ug/l #	48
38) Carbon Tetrachloride	7.807	117	9172	5.336	ug/l #	17
41) Methacrylonitrile	7.368	41	593	1.758	ug/l #	31
76) 1,2,3-Trichloropropane	12.489	75	35408	49.970	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35408	108.465	ug/l #	11

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

Quant Time: Nov 16 00:07:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 91

Delta R.T. 0.000 min

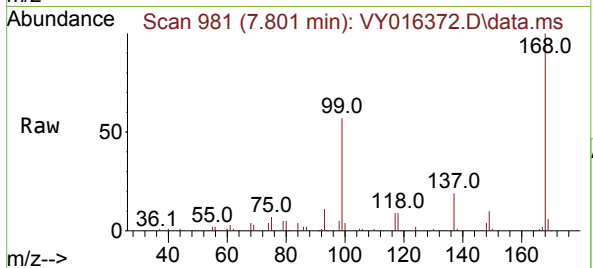
Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

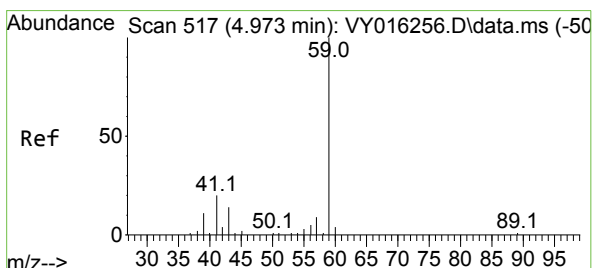
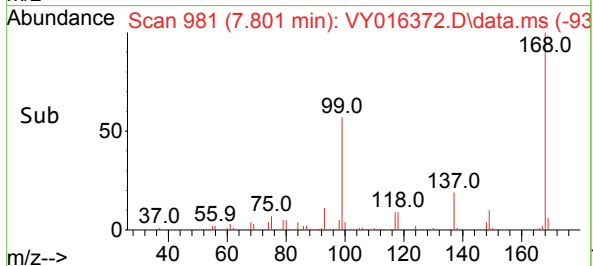
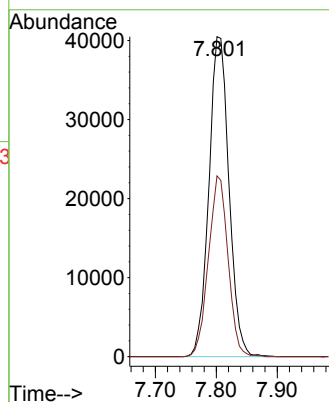


Tgt Ion:168 Resp: 92794

Ion Ratio Lower Upper

168 100

99 56.5 43.4 65.0



#11

Tert butyl alcohol

Concen: 8.342 ug/l

RT: 4.954 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY016372.D

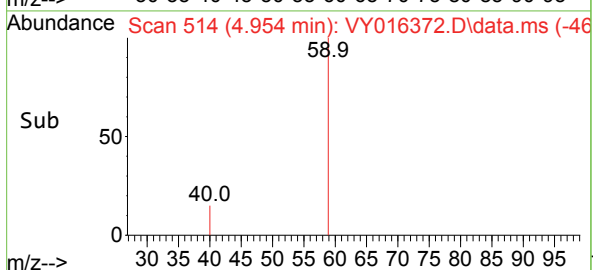
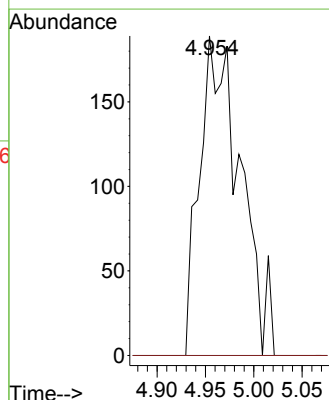
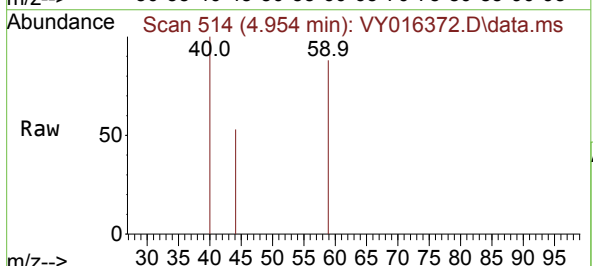
Acq: 15 Nov 2023 17:31

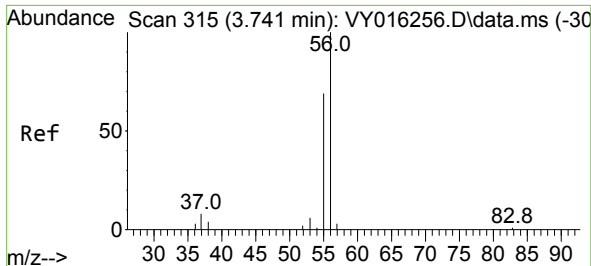
Tgt Ion: 59 Resp: 554

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.585 ug/l

RT: 3.735 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

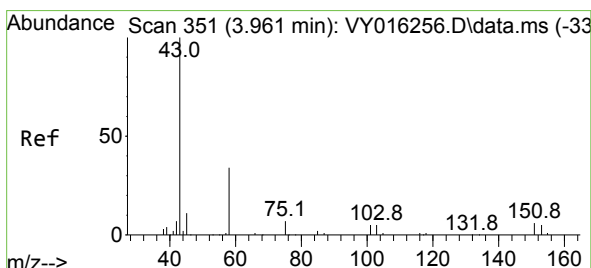
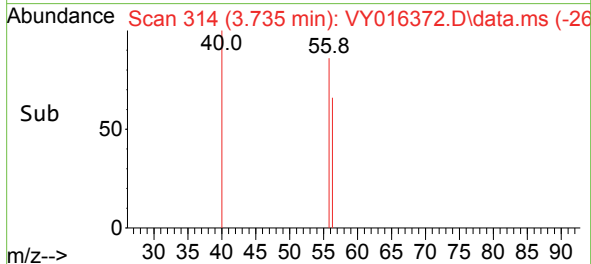
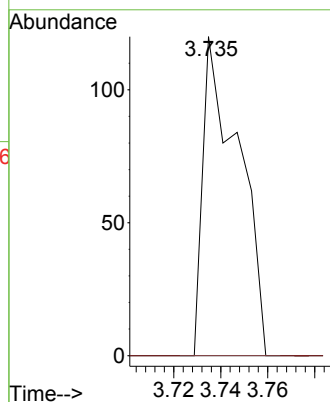
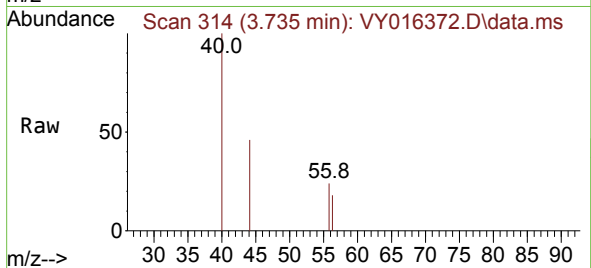
ClientSampleId :

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 118.629 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY016372.D

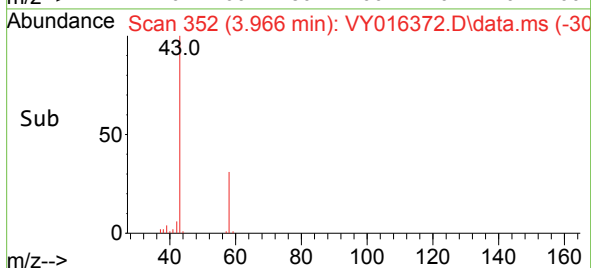
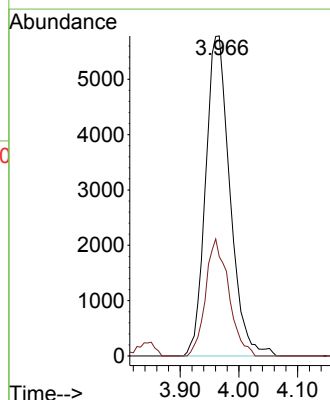
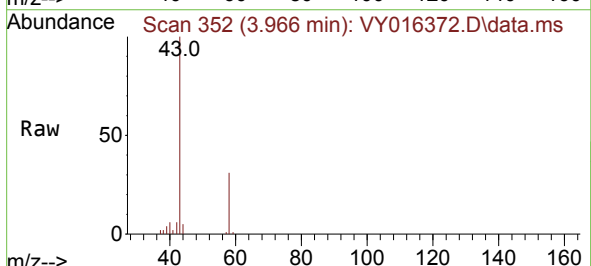
Acq: 15 Nov 2023 17:31

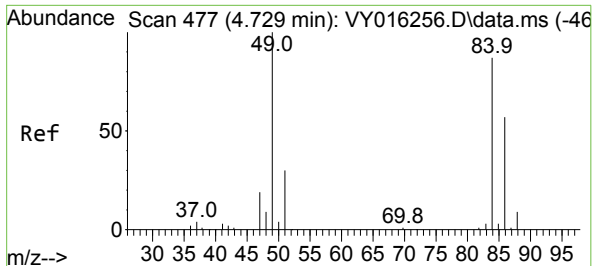
Tgt Ion: 43 Resp: 16642

Ion Ratio Lower Upper

43 100

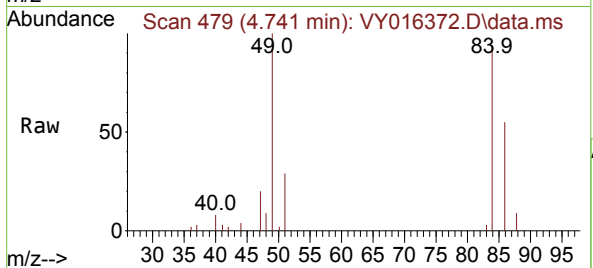
58 31.1 22.7 34.1



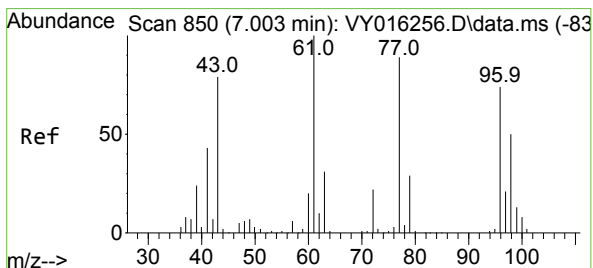
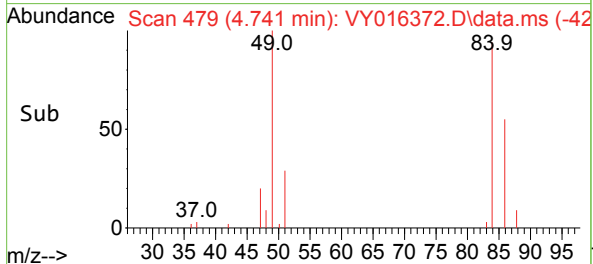
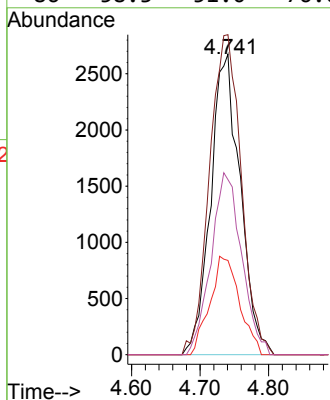


#20
Methylene Chloride
Concen: 4.948 ug/l
RT: 4.741 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Instrument :
MSVOA_Y
ClientSampleId :

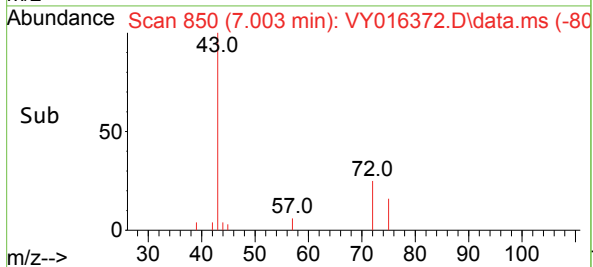
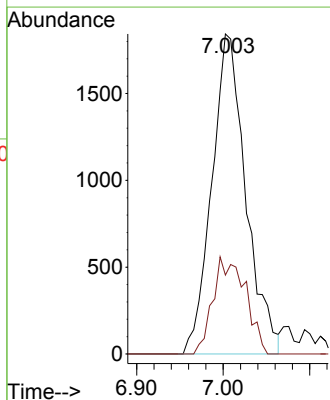
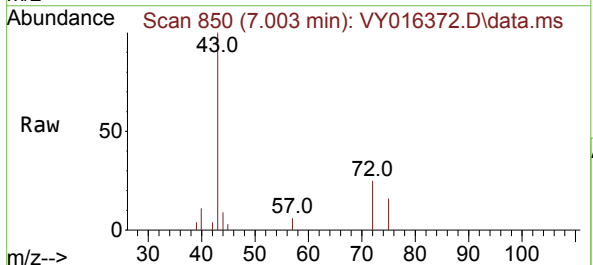


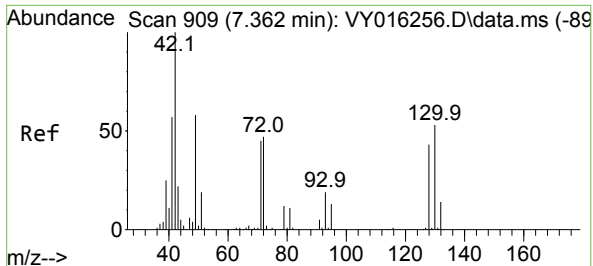
Tgt Ion: 84 Resp: 8012
Ion Ratio Lower Upper
84 100
49 106.5 106.9 160.3#
51 31.4 33.2 49.8#
86 58.3 51.0 76.6



#25
2-Butanone
Concen: 20.458 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
72 24.7 20.5 30.7





#29

Tetrahydrofuran

Concen: 5.123 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY016372.D

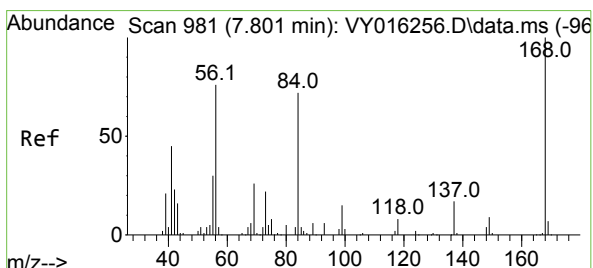
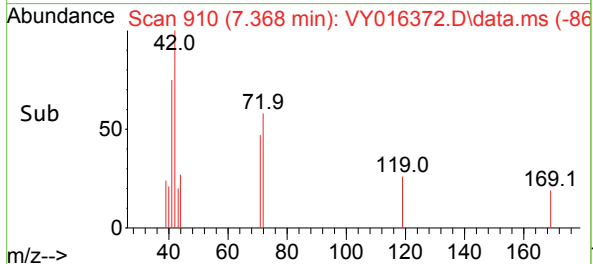
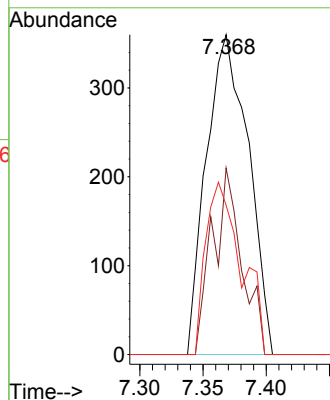
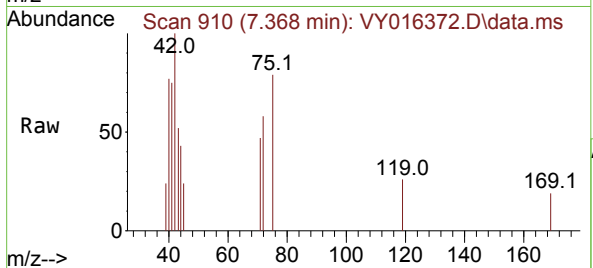
Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 42	Resp: 832
Ion Ratio	Lower Upper
42 100	
72 40.7	32.8 49.2
71 45.7	31.0 46.4



#31

Cyclohexane

Concen: 1.088 ug/l

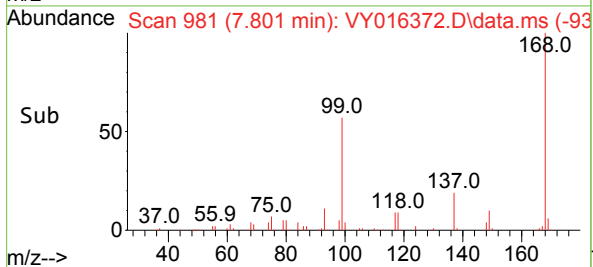
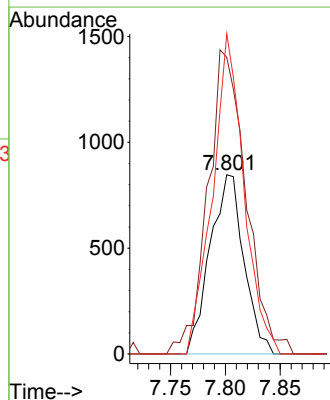
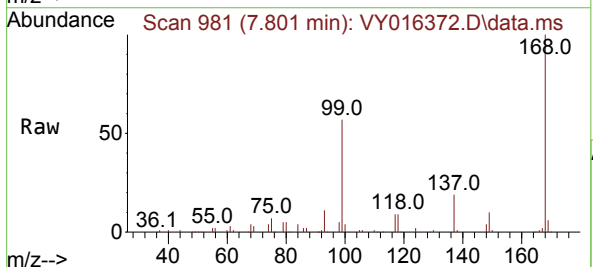
RT: 7.801 min Scan# 981

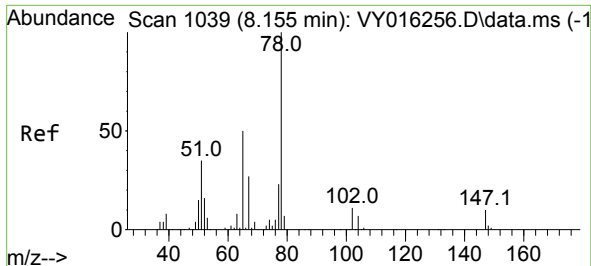
Delta R.T. -0.000 min

Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Tgt Ion: 56	Resp: 1817
Ion Ratio	Lower Upper
56 100	
69 159.1	27.8 41.6#
84 178.5	66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 73.163 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

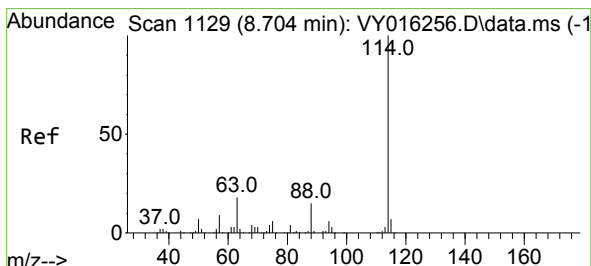
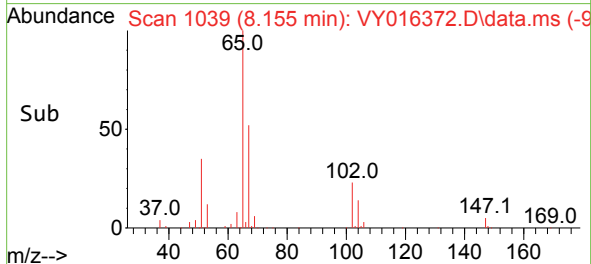
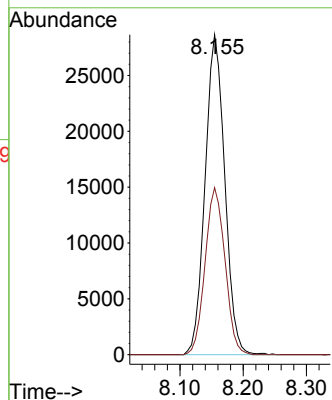
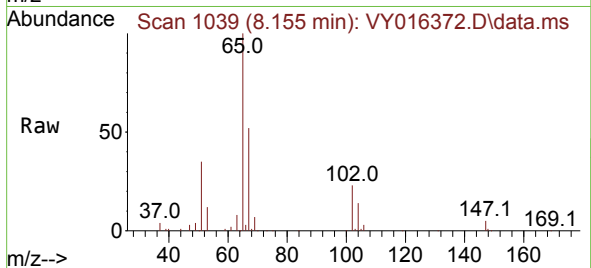
ClientSampleId :

Tgt Ion: 65 Resp: 62050

Ion Ratio Lower Upper

65 100

67 52.7 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: VY016372.D

Acq: 15 Nov 2023 17:31

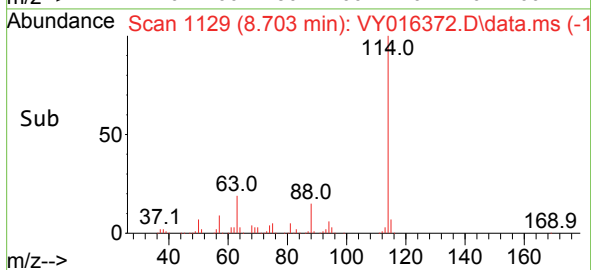
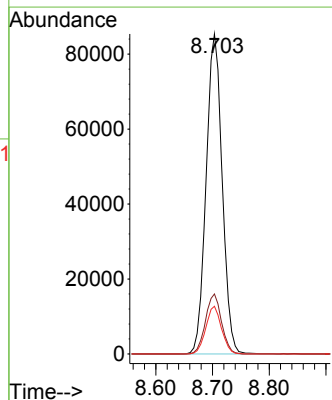
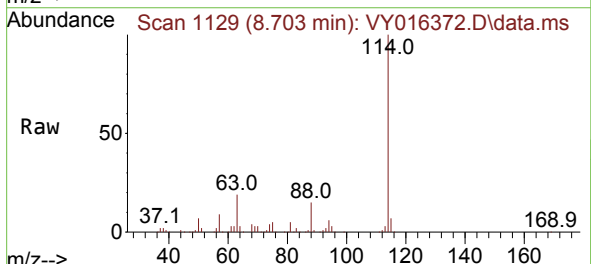
Tgt Ion: 114 Resp: 167898

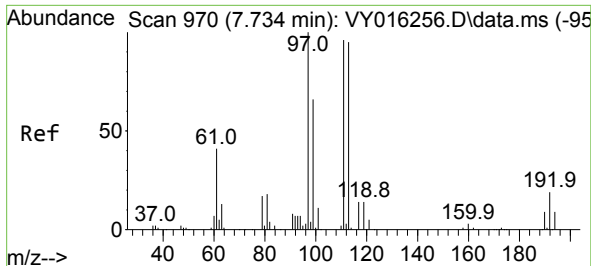
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

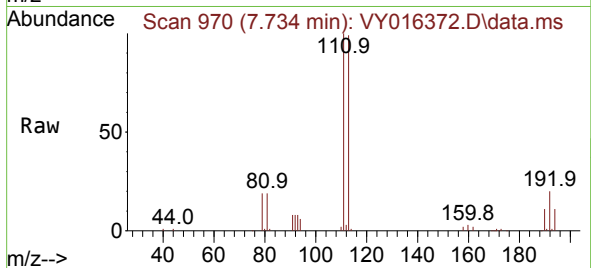
88 14.9 0.0 30.6



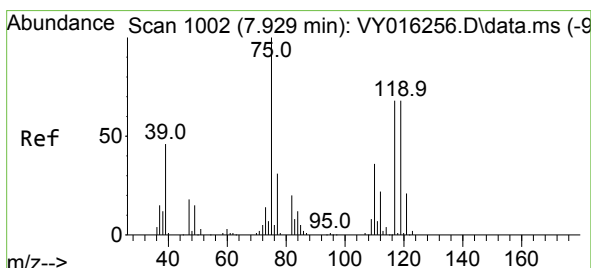
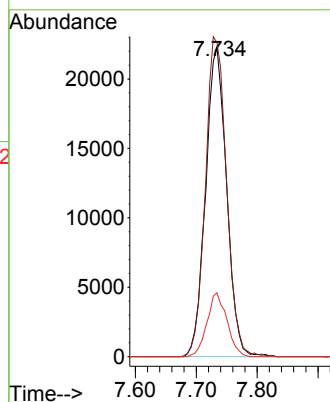
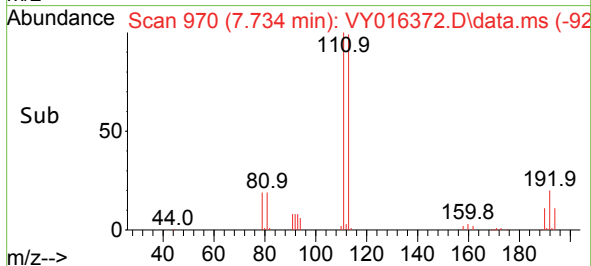


#35
Dibromofluoromethane
Concen: 55.912 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Instrument :
MSVOA_Y
ClientSampleId :

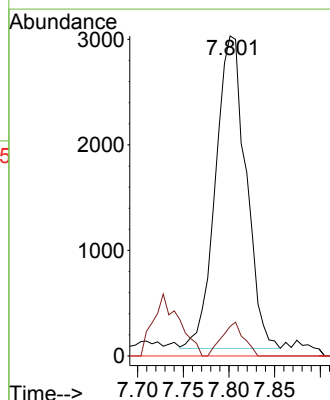
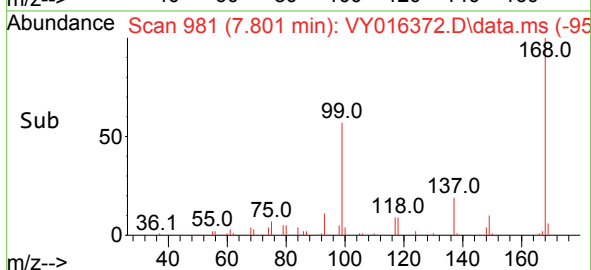
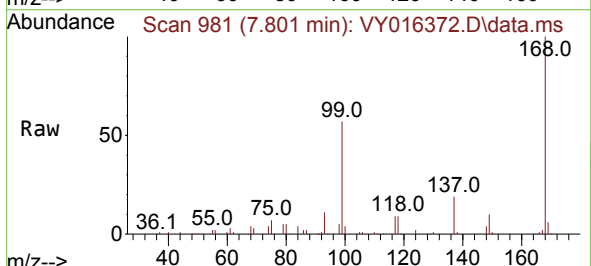


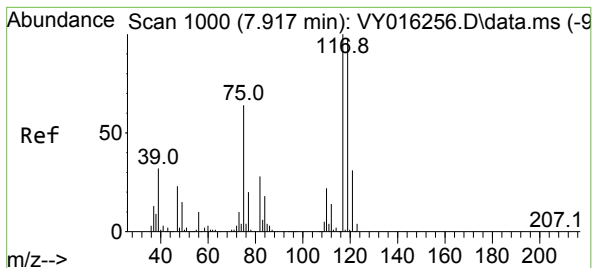
Tgt Ion:113 Resp: 53327
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.154 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Tgt Ion: 75 Resp: 6880
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.336 ug/l

RT: 7.807 min Scan# 910

Delta R.T. -0.110 min

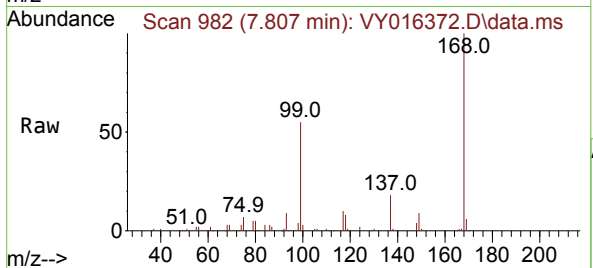
Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :



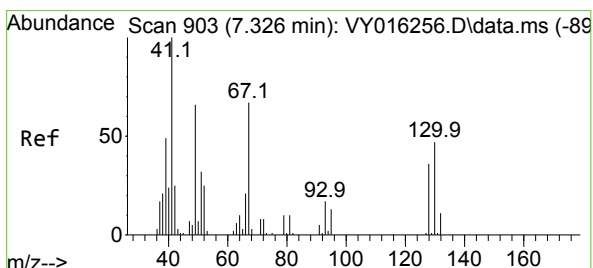
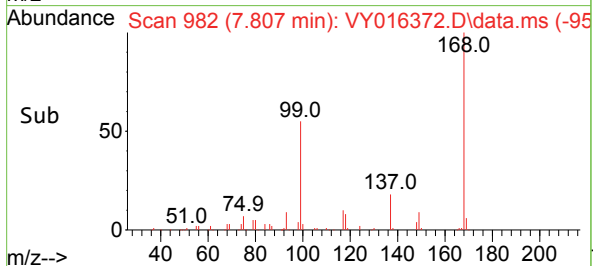
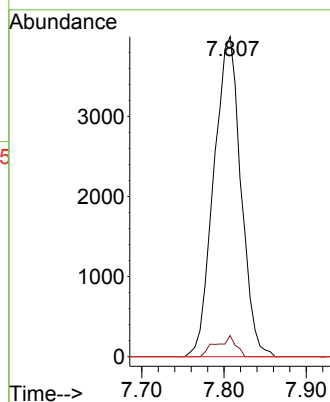
Tgt Ion:117 Resp: 9172

Ion Ratio Lower Upper

117 100

119 6.6 76.4 114.6#

121 0.0 25.8 38.6#



#41

Methacrylonitrile

Concen: 1.758 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.043 min

Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Tgt Ion: 41 Resp: 593

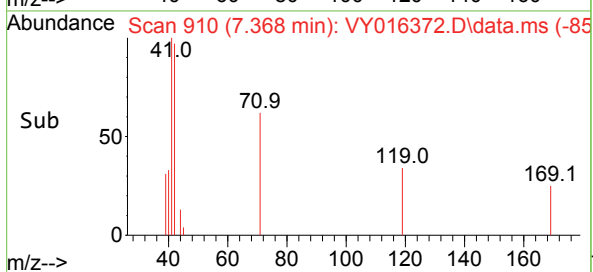
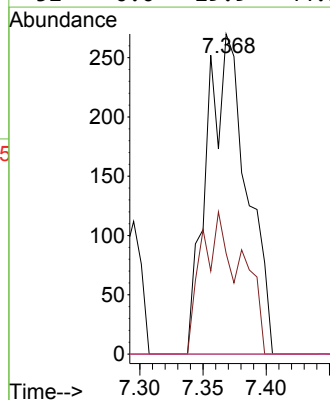
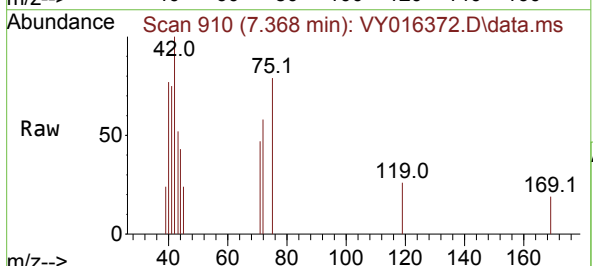
Ion Ratio Lower Upper

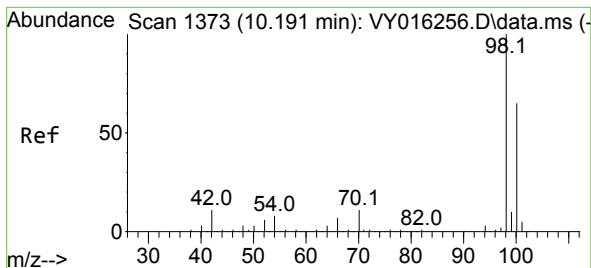
41 100

39 31.0 52.1 78.1#

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

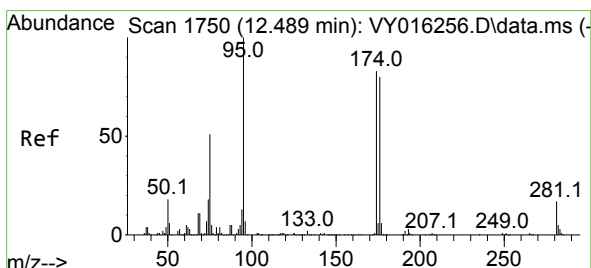
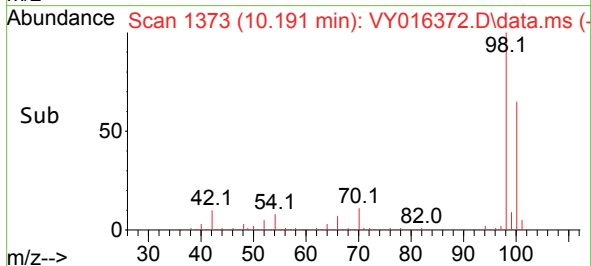
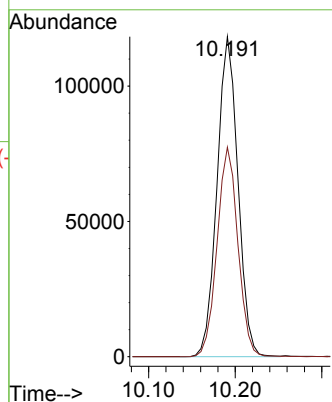
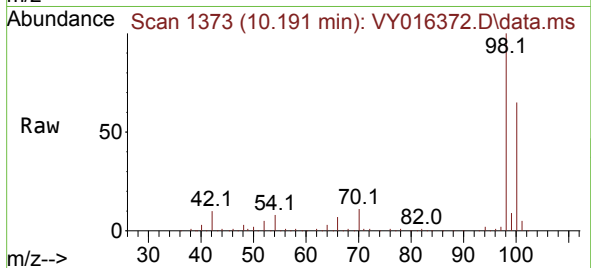




#50
Toluene-d8
Concen: 51.227 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

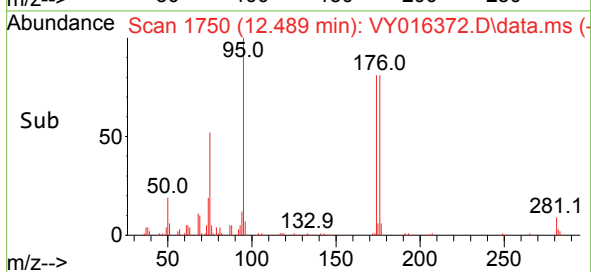
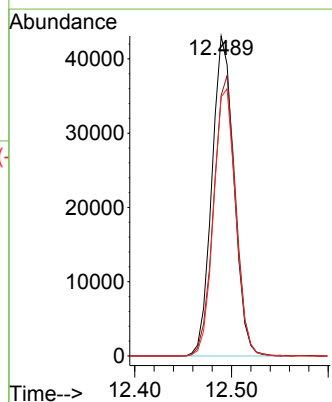
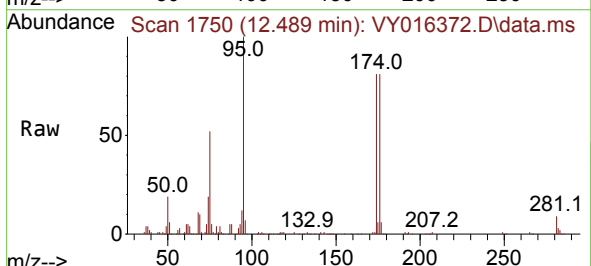
Instrument :
MSVOA_Y
ClientSampleId :

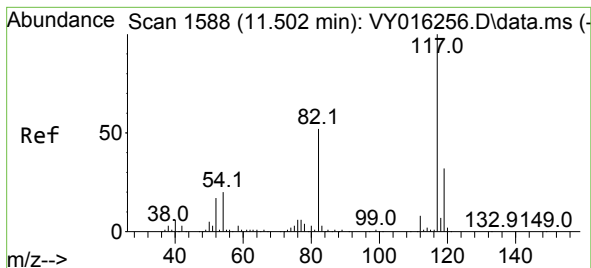
Tgt Ion: 98 Resp: 198132
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.224 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Tgt Ion: 95 Resp: 68115
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.2
176 84.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016372.D

Acq: 15 Nov 2023 17:31

Instrument :

MSVOA_Y

ClientSampleId :

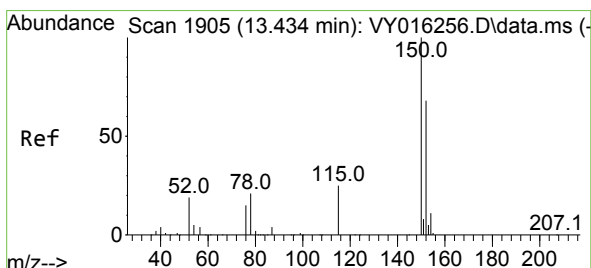
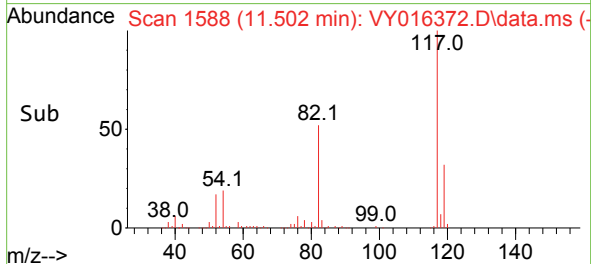
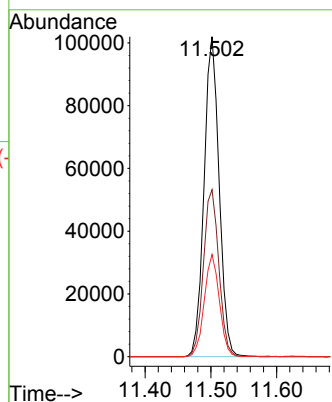
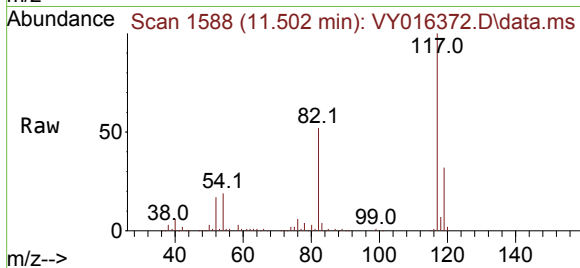
Tgt Ion:117 Resp: 162536

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.9 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: VY016372.D

Acq: 15 Nov 2023 17:31

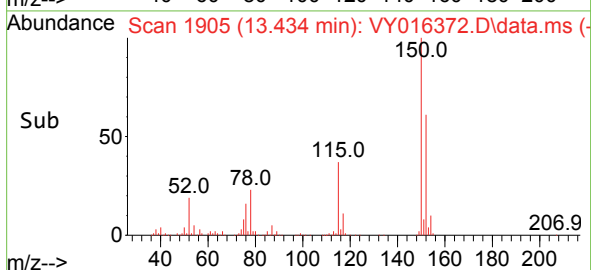
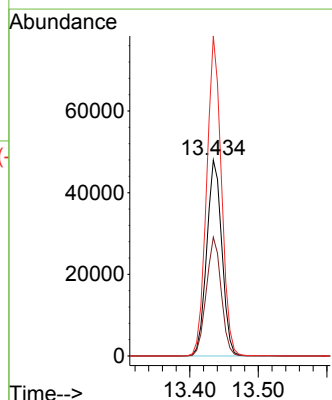
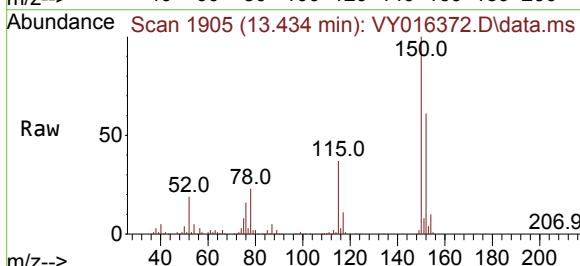
Tgt Ion:152 Resp: 73865

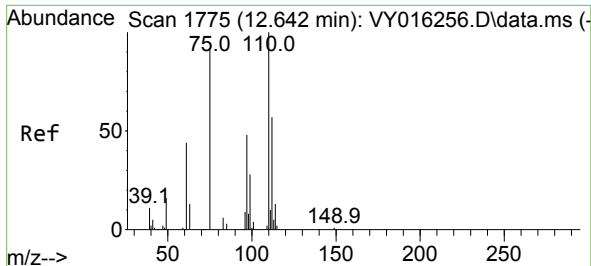
Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 159.0 0.0 348.8

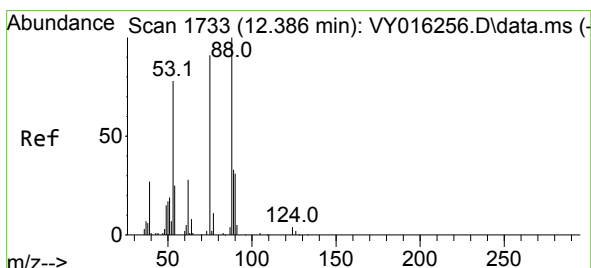
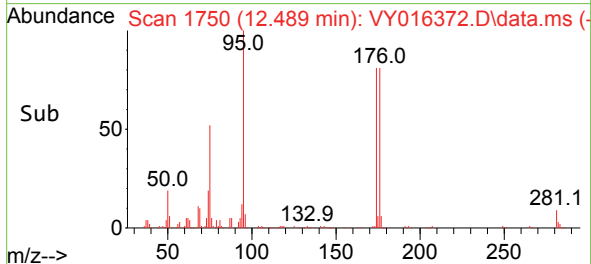
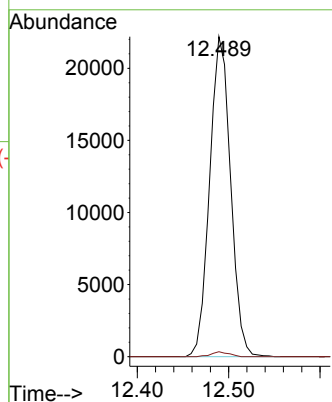
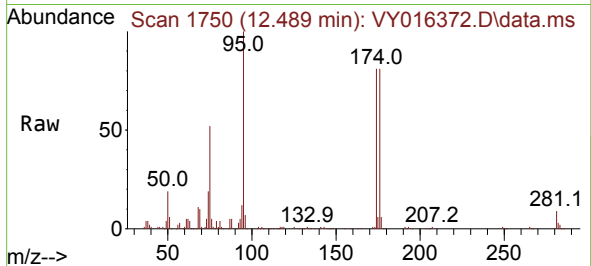




#76
1,2,3-Trichloropropane
Concen: 49.970 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 35408
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.465 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY016372.D
Acq: 15 Nov 2023 17:31

Tgt Ion: 75 Resp: 35408
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

