

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016390.D
 Acq On : 16 Nov 2023 15:17
 Operator : SY/MD
 Sample : 05418-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 04:07:24 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	7.789	168	94813	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	170836	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	165657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78704	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57750	66.643	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.280%	
35) Dibromofluoromethane	7.722	113	52899	54.509	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.179	98	201963	51.320	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.640%	
62) 4-Bromofluorobenzene	12.483	95	74107	57.979	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 115.960%	

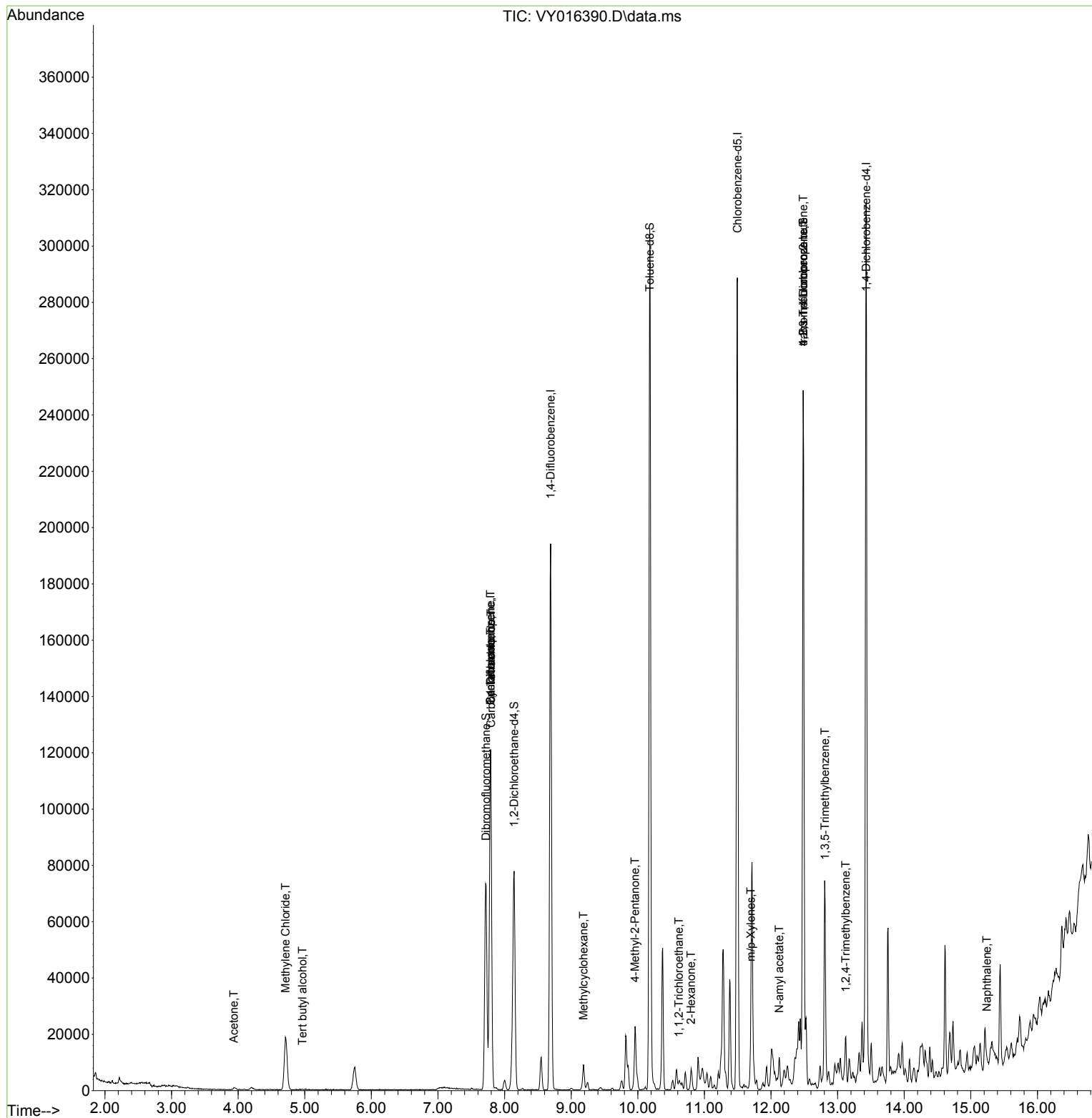
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.966	59	298	4.392	ug/l #	89
16) Acetone	3.936	43	1454	10.144	ug/l #	69
20) Methylene Chloride	4.710	84	14801	11.969	ug/l	91
31) Cyclohexane	7.789	56	2610	1.530	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7186	4.264	ug/l #	50
38) Carbon Tetrachloride	7.795	117	9378	5.362	ug/l #	17
39) Methylcyclohexane	9.185	83	2679	1.276	ug/l	93
51) 4-Methyl-2-Pentanone	9.959	43	8496	12.766	ug/l #	42
55) 1,1,2-Trichloroethane	10.618	97	1467	1.727	ug/l #	14
59) 2-Hexanone	10.801	43	2603	5.258	ug/l #	29
68) m/p-Xylenes	11.697	106	4691	1.944	ug/l	94
74) N-amyl acetate	12.124	43	1994	1.558	ug/l #	78
76) 1,2,3-Trichloropropane	12.483	75	37354	49.476	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	6014	1.170	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	37354	107.391	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	8663	1.712	ug/l	97
95) Naphthalene	15.239	128	2518	1.016	ug/l #	90

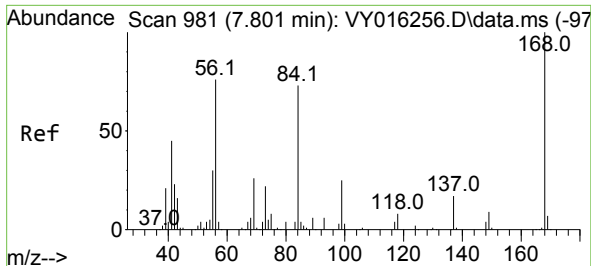
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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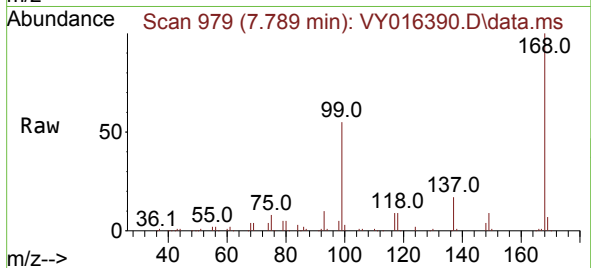
Quant Time: Nov 17 04:07:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration



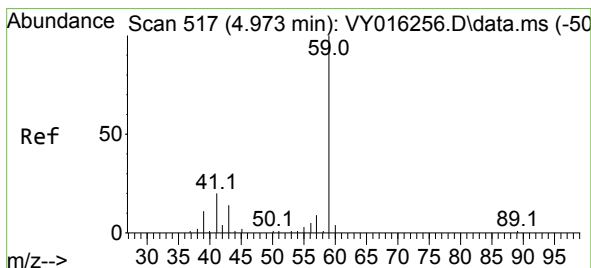
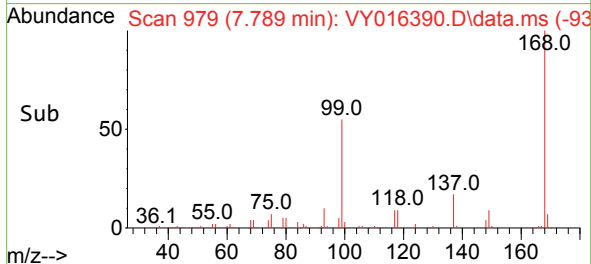
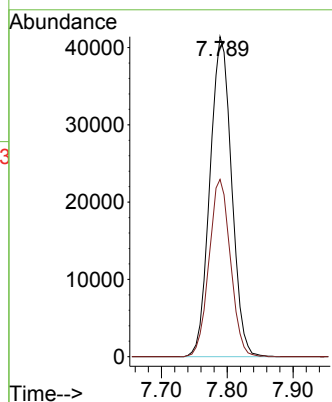


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

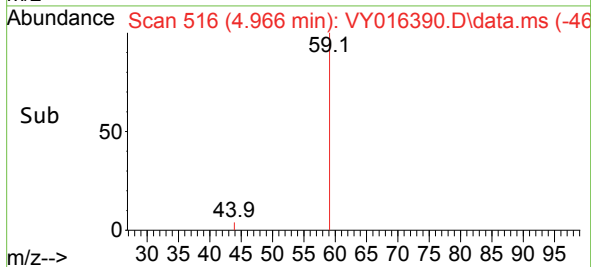
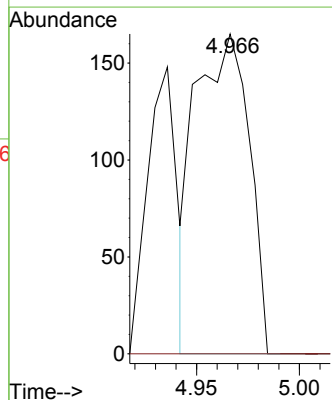
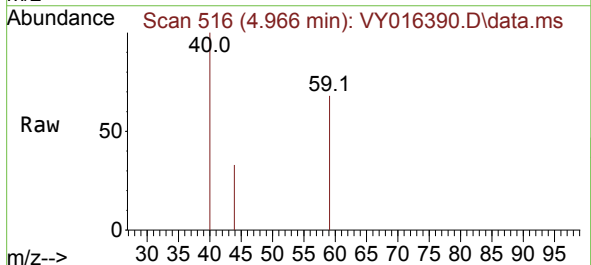


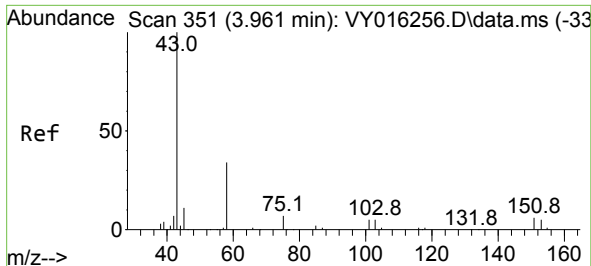
Tgt Ion:168 Resp: 94813
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.392 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

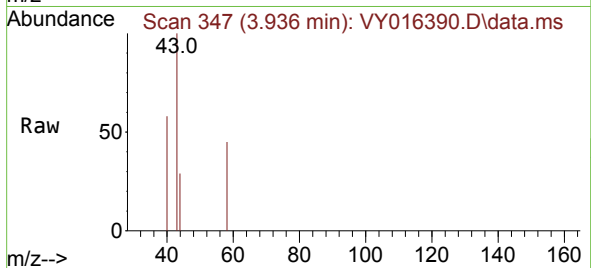
Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



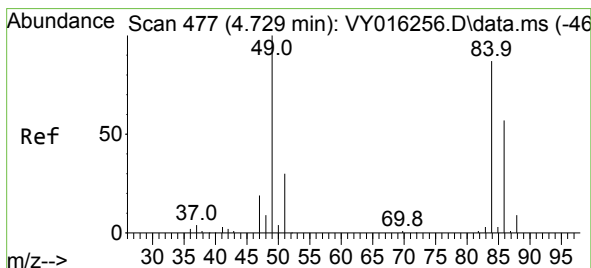
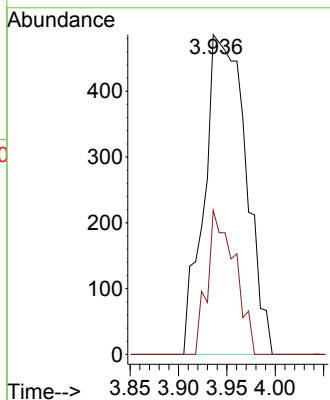
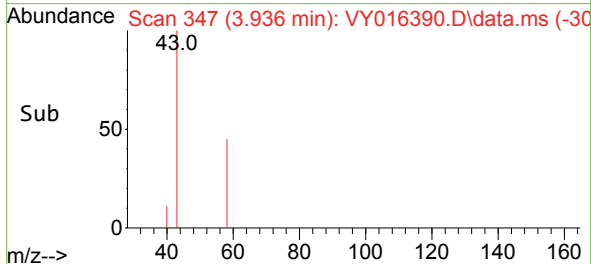


#16
Acetone
Concen: 10.144 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.025 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

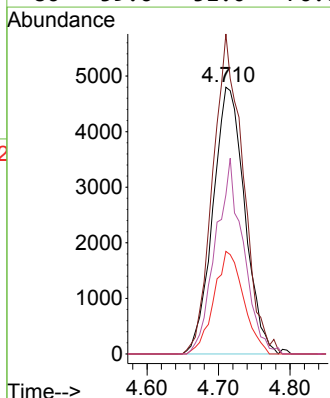
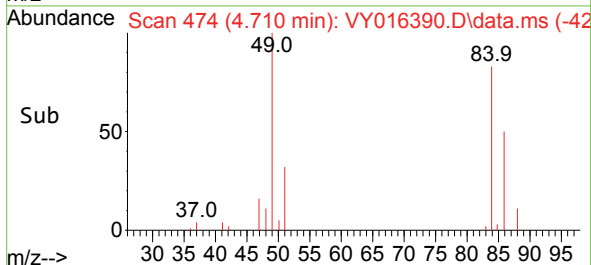
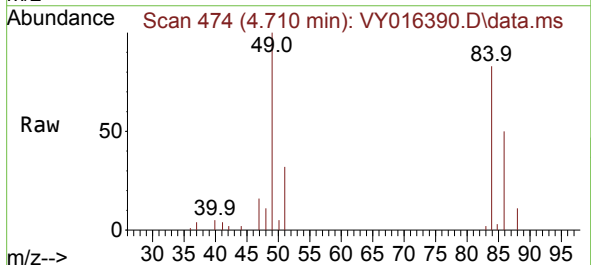


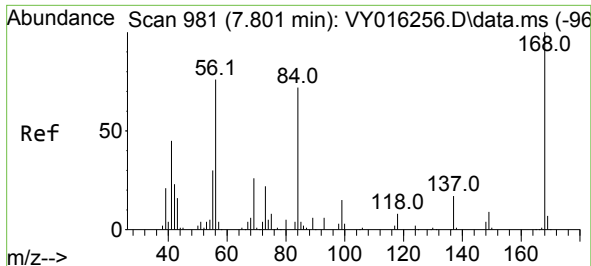
Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
58 45.1 22.7 34.1#



#20
Methylene Chloride
Concen: 11.969 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.019 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

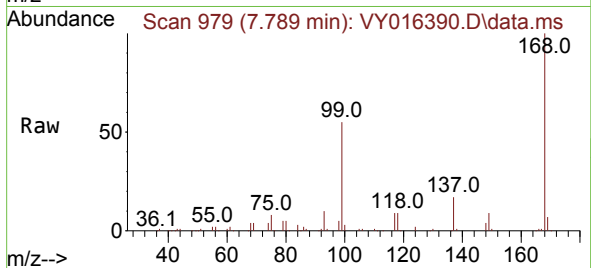
Tgt Ion: 84 Resp: 14801
Ion Ratio Lower Upper
84 100
49 120.0 106.9 160.3
51 38.4 33.2 49.8
86 59.6 51.0 76.6



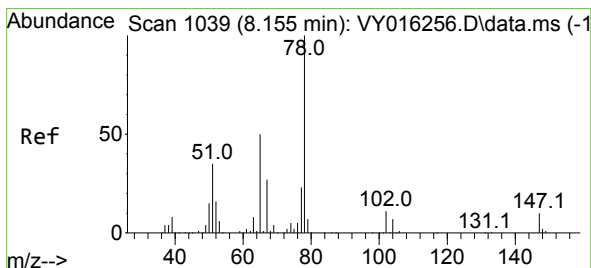
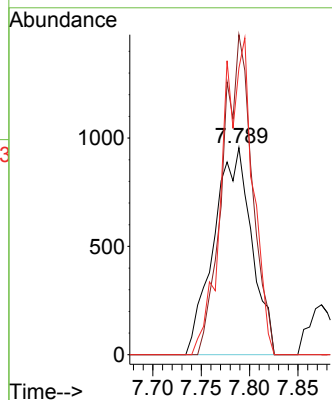
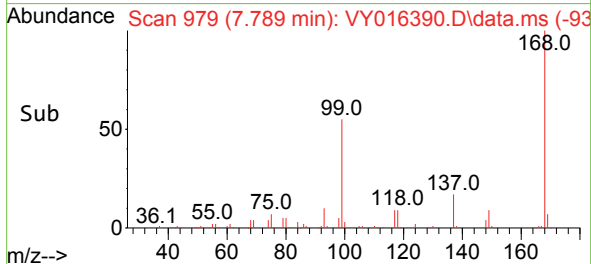


#31
Cyclohexane
Concen: 1.530 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

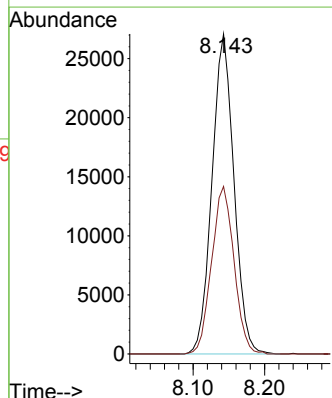
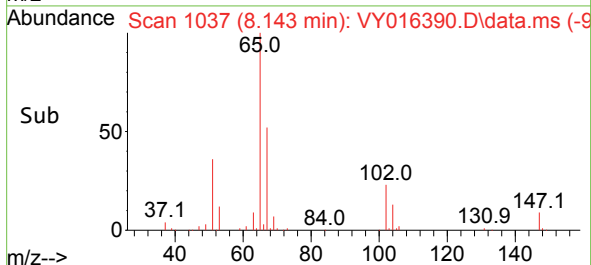
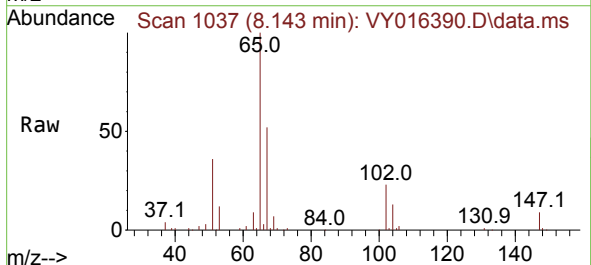


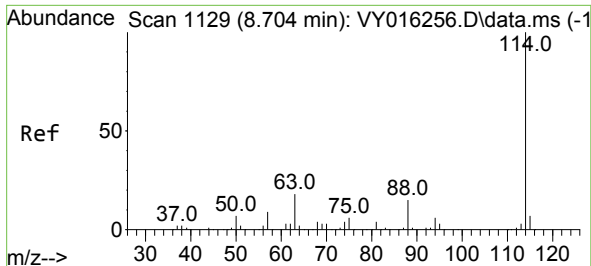
Tgt Ion: 56 Resp: 2610
Ion Ratio Lower Upper
56 100
69 154.5 27.8 41.6#
84 138.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 66.643 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.012 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Tgt Ion: 65 Resp: 57750
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

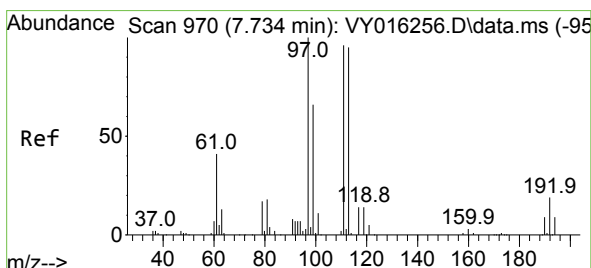
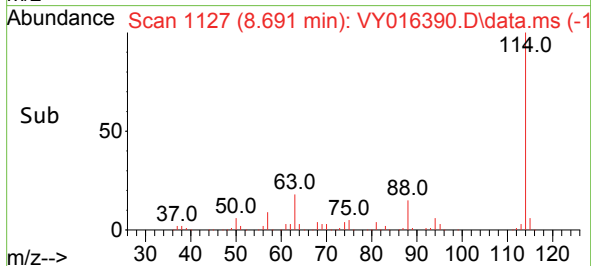
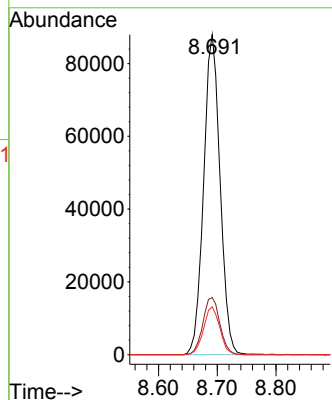
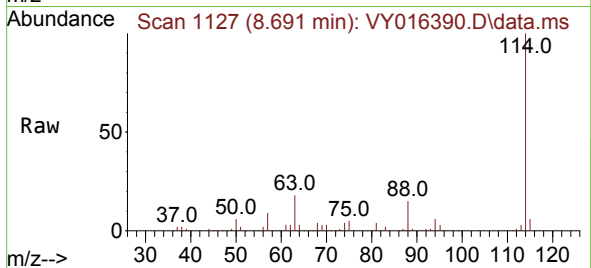
Tgt Ion:114 Resp: 170836

Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.509 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

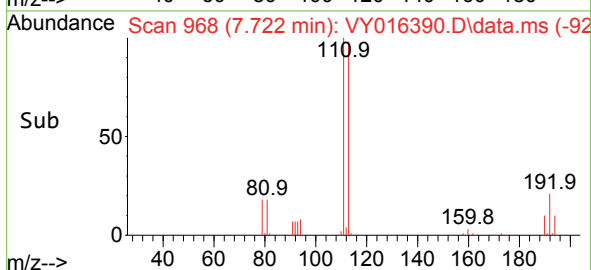
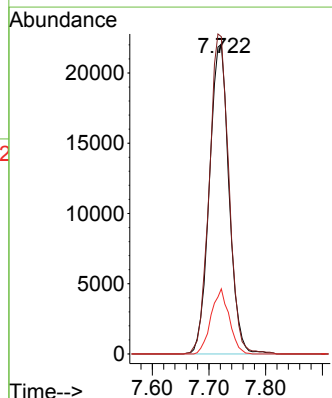
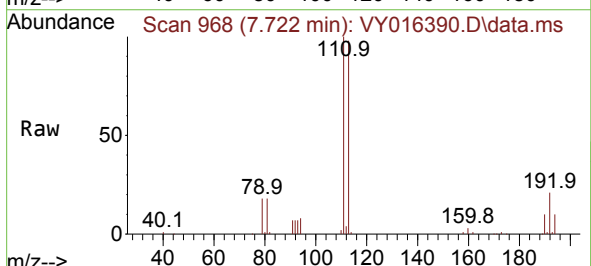
Tgt Ion:113 Resp: 52899

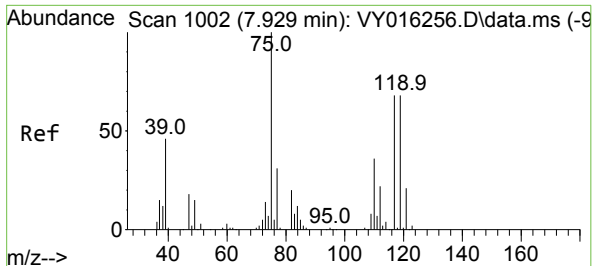
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

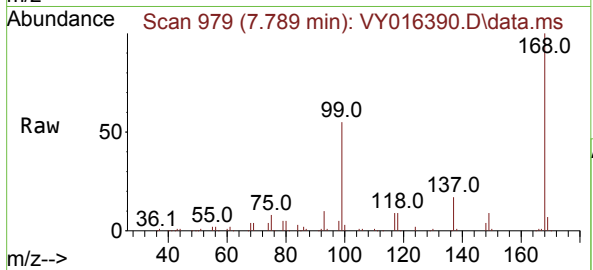
192 19.5 16.9 25.3



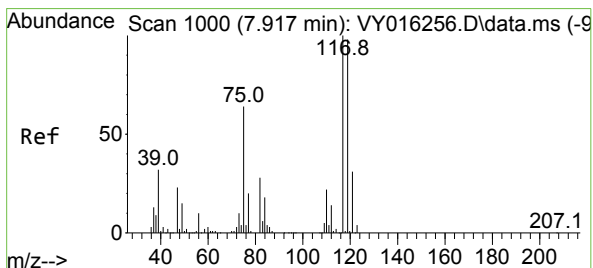
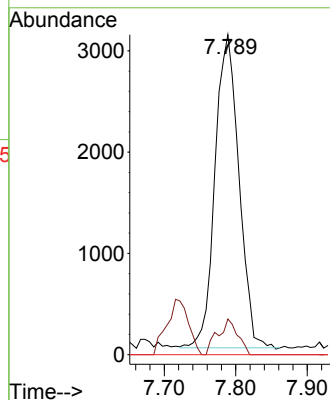
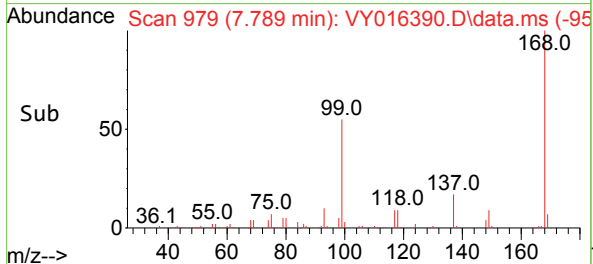


#36
1,1-Dichloropropene
Concen: 4.264 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

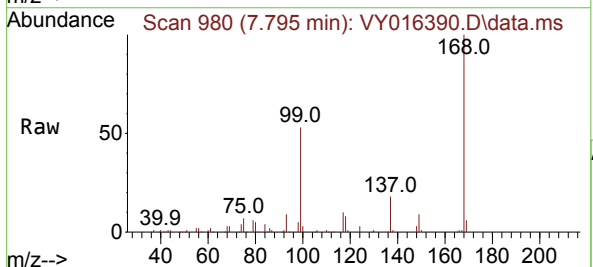
Instrument :
MSVOA_Y
ClientSampleId :



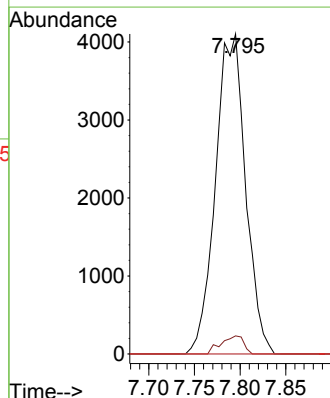
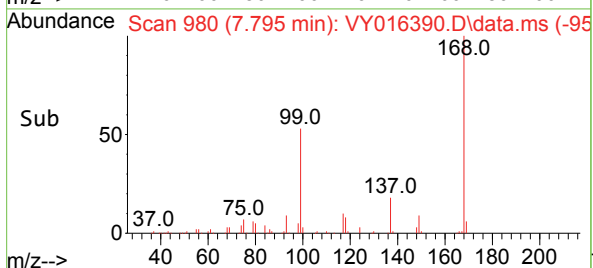
Tgt Ion: 75 Resp: 7186
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

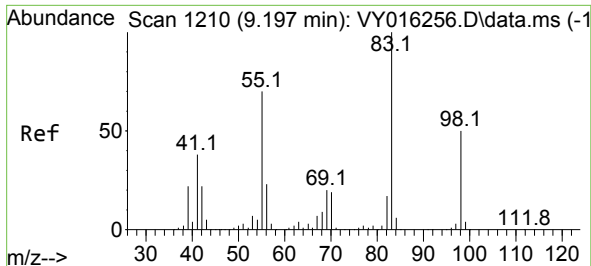


#38
Carbon Tetrachloride
Concen: 5.362 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17



Tgt Ion: 117 Resp: 9378
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 1.276 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

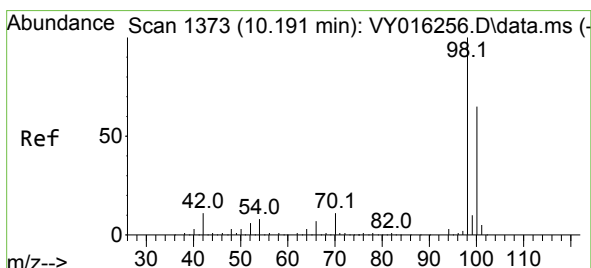
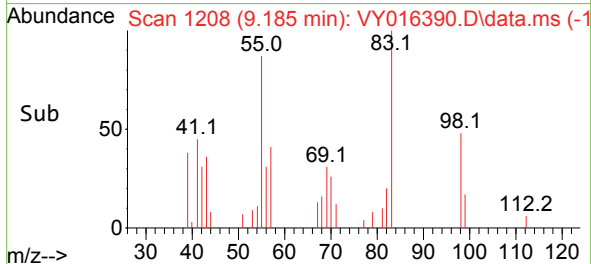
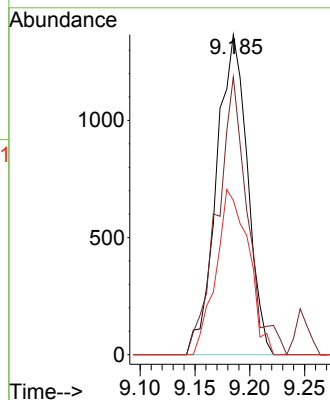
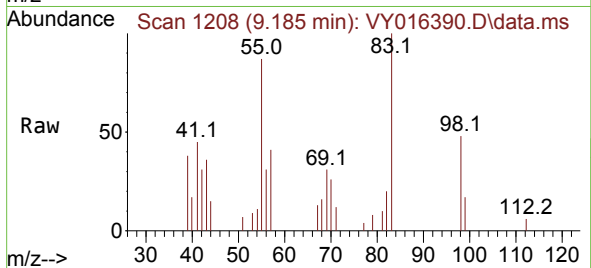
Tgt Ion: 83 Resp: 2679

Ion Ratio Lower Upper

83 100

55 86.8 63.0 94.4

98 48.2 37.4 56.2



#50

Toluene-d8

Concen: 51.320 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.012 min

Lab File: VY016390.D

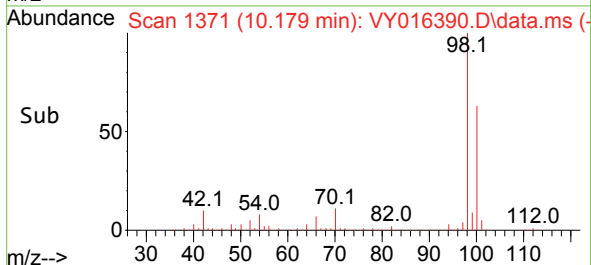
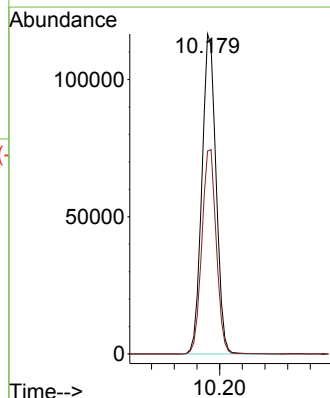
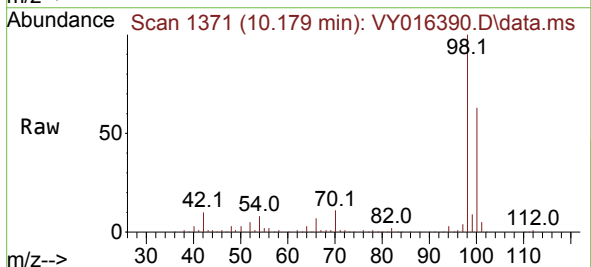
Acq: 16 Nov 2023 15:17

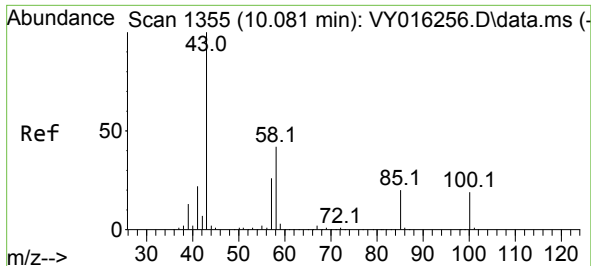
Tgt Ion: 98 Resp: 201963

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 12.766 ug/l

RT: 9.959 min Scan# 11

Delta R.T. -0.122 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Instrument :

MSVOA_Y

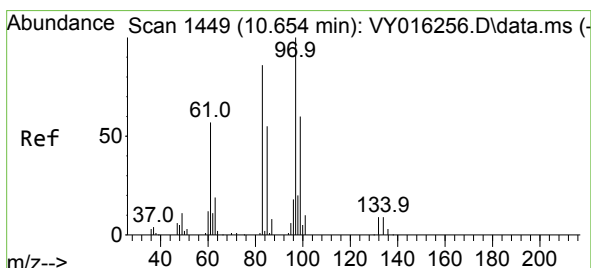
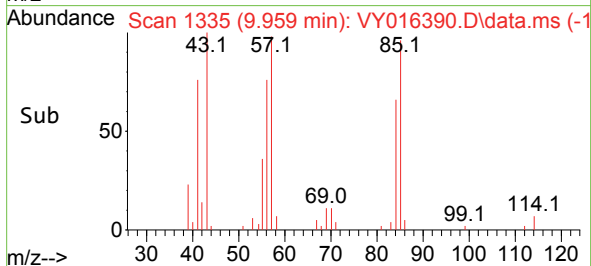
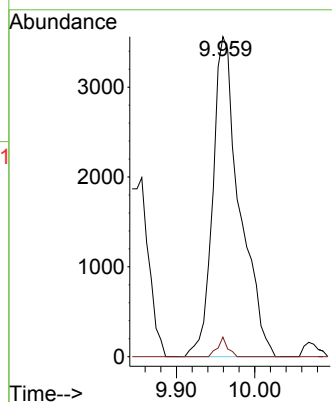
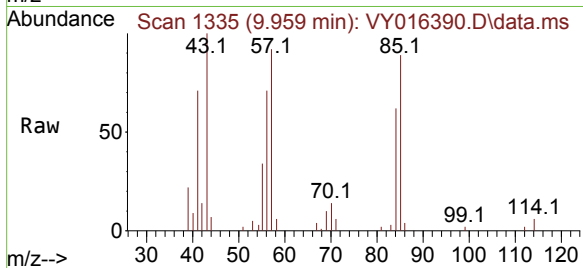
ClientSampleId :

Tgt Ion: 43 Resp: 8496

Ion Ratio Lower Upper

43 100

58 2.3 29.0 43.6#



#55

1,1,2-Trichloroethane

Concen: 1.727 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.037 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Tgt Ion: 97 Resp: 1467

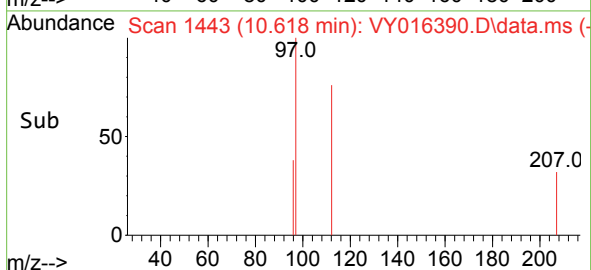
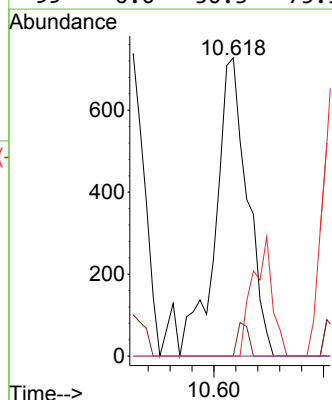
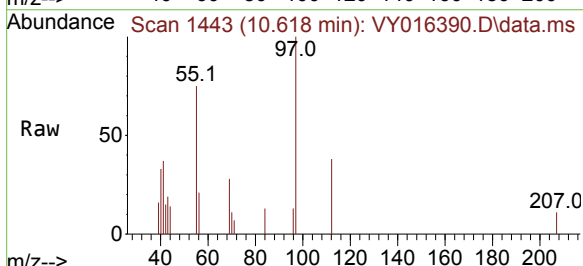
Ion Ratio Lower Upper

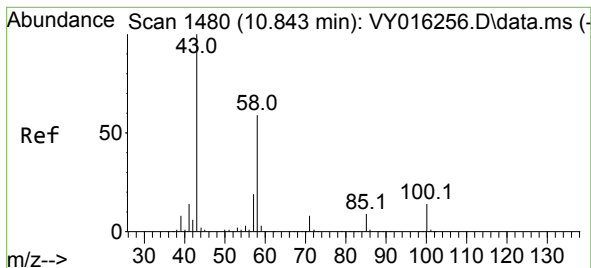
97 100

83 0.0 72.0 108.0#

85 0.0 45.4 68.0#

99 0.0 50.3 75.5#

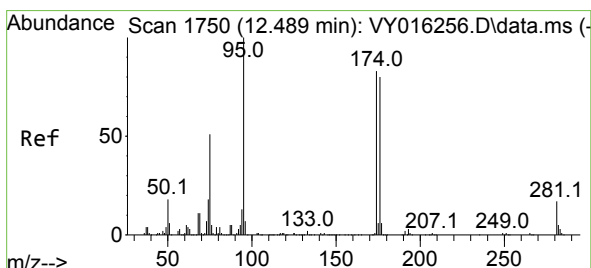
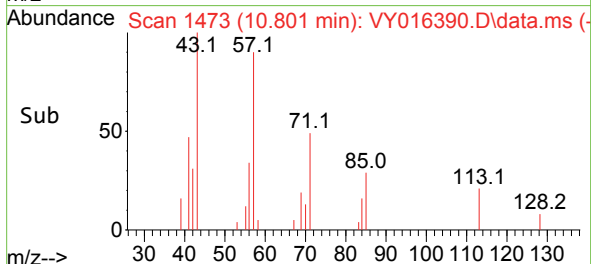
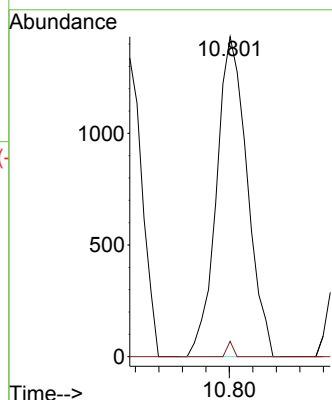
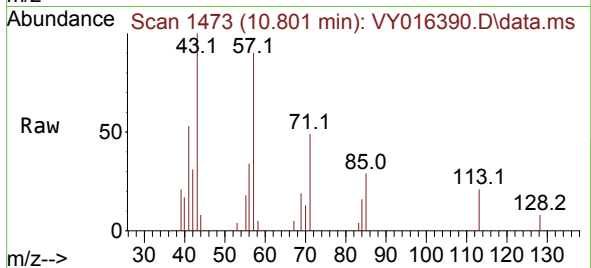




#59
2-Hexanone
Concen: 5.258 ug/l
RT: 10.801 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

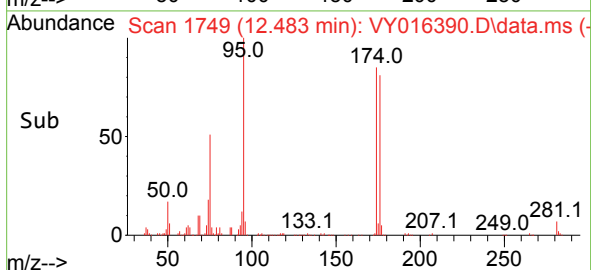
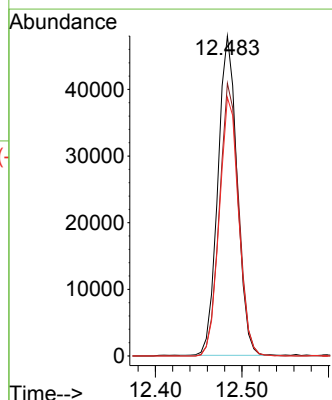
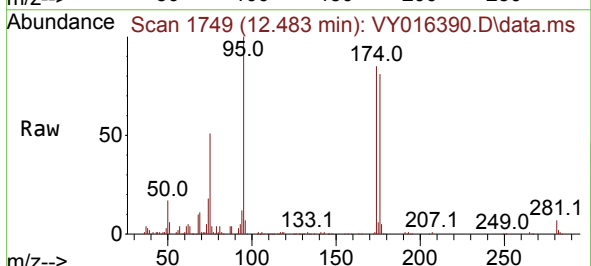
Instrument :
MSVOA_Y
ClientSampleId :

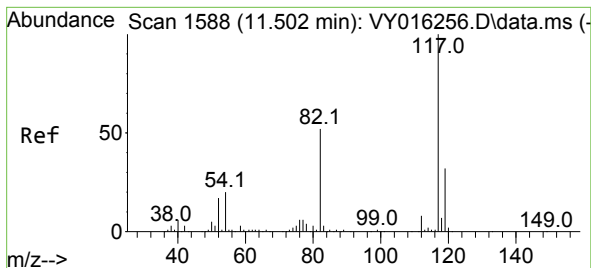
Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
58 1.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 57.979 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

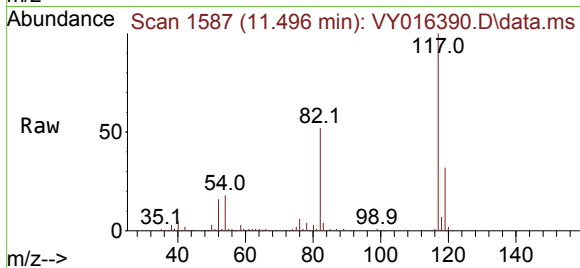
Tgt Ion: 95 Resp: 74107
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 81.5 0.0 173.8



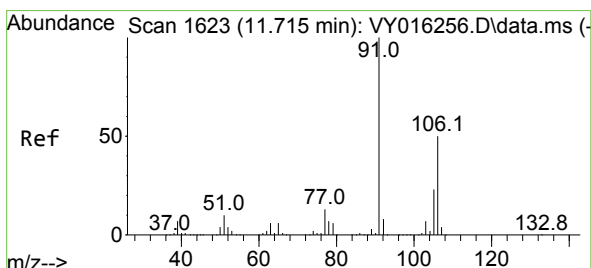
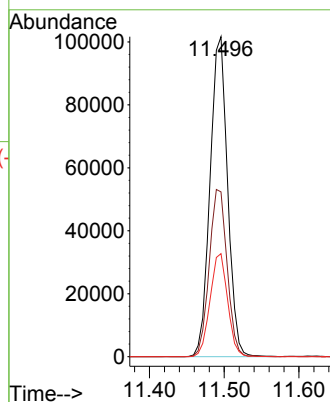
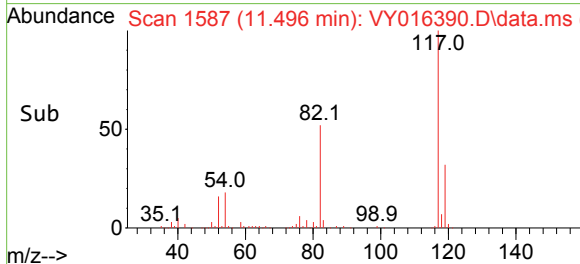


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

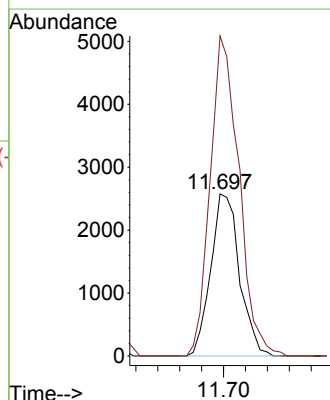
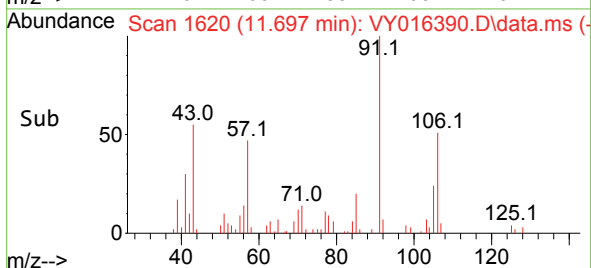
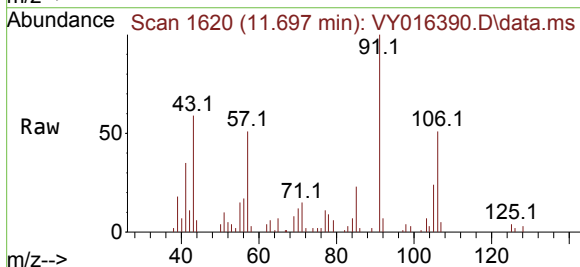


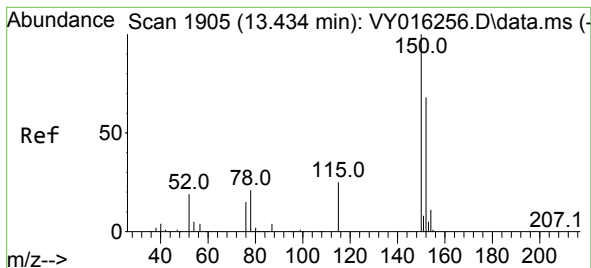
Tgt Ion:117 Resp: 165657
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.0
119 32.2 26.3 39.5



#68
m/p-Xylenes
Concen: 1.944 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.018 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Tgt Ion:106 Resp: 4691
Ion Ratio Lower Upper
106 100
91 197.8 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

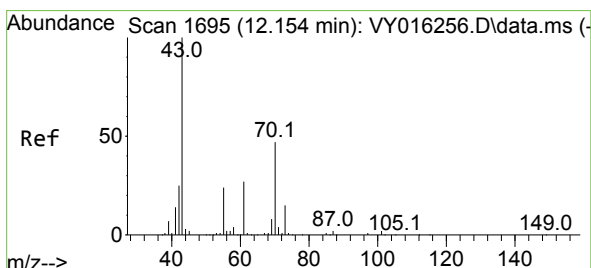
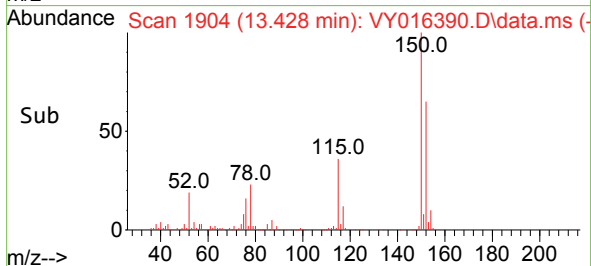
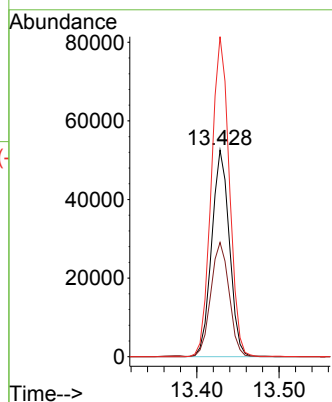
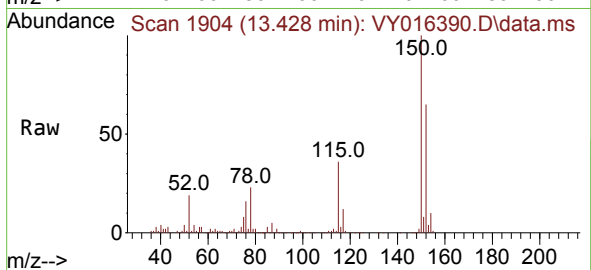
Tgt Ion:152 Resp: 78704

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 157.1 0.0 348.8



#74

N-ethyl acetate

Concen: 1.558 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.031 min

Lab File: VY016390.D

Acq: 16 Nov 2023 15:17

Tgt Ion: 43 Resp: 1994

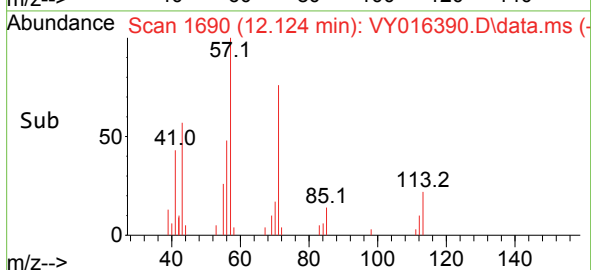
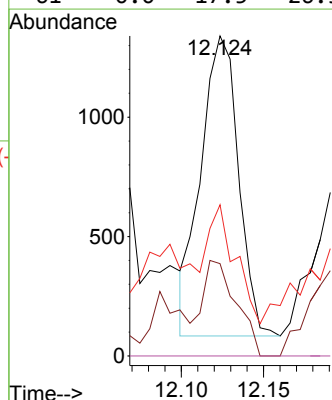
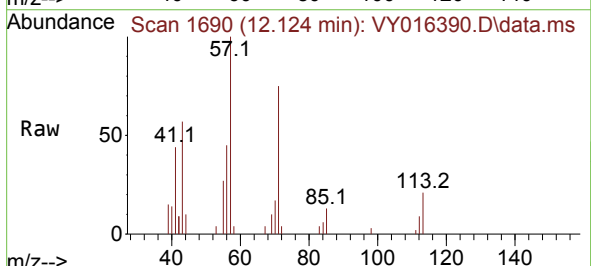
Ion Ratio Lower Upper

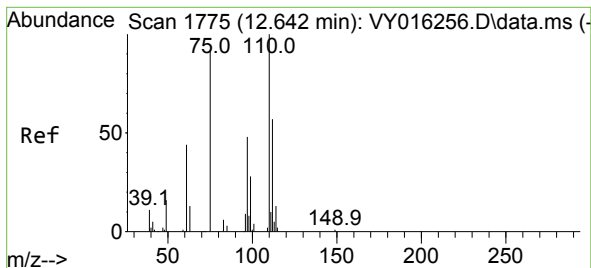
43 100

70 28.7 29.7 44.5#

55 28.2 18.3 27.5#

61 0.0 17.5 26.3#

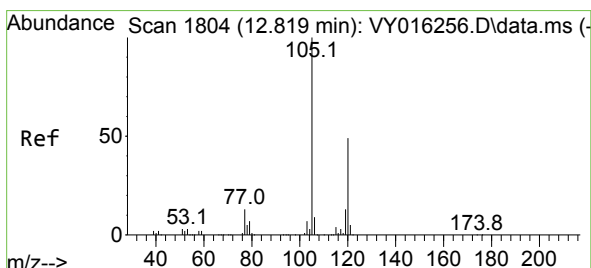
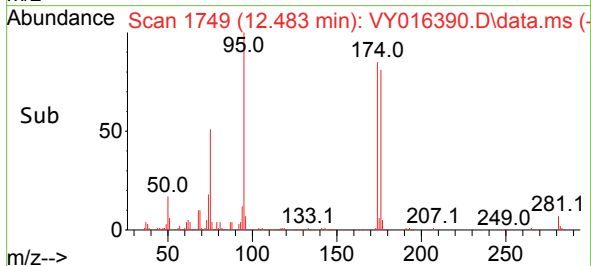
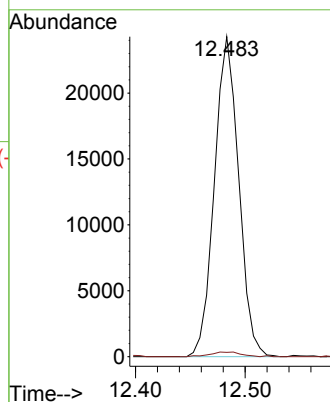
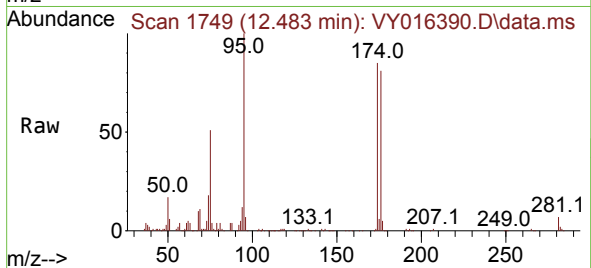




#76
 1,2,3-Trichloropropane
 Concen: 49.476 ug/l
 RT: 12.483 min Scan# 1775
 Delta R.T. -0.159 min
 Lab File: VY016390.D
 Acq: 16 Nov 2023 15:17

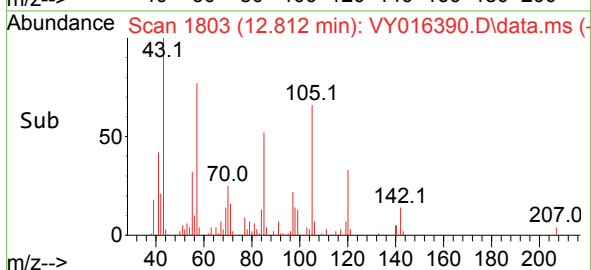
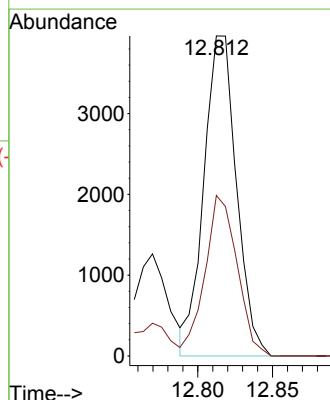
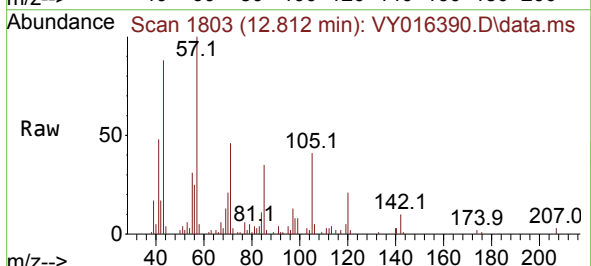
Instrument :
 MSVOA_Y
 ClientSampleId :

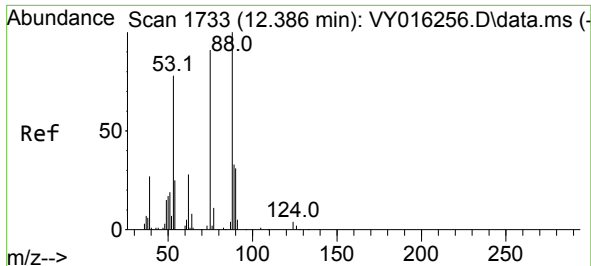
Tgt Ion: 75 Resp: 37354
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.170 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. -0.006 min
 Lab File: VY016390.D
 Acq: 16 Nov 2023 15:17

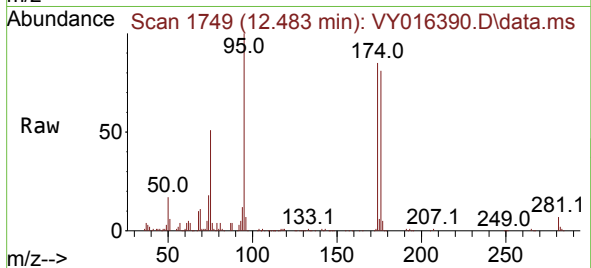
Tgt Ion: 105 Resp: 6014
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.9 71.7



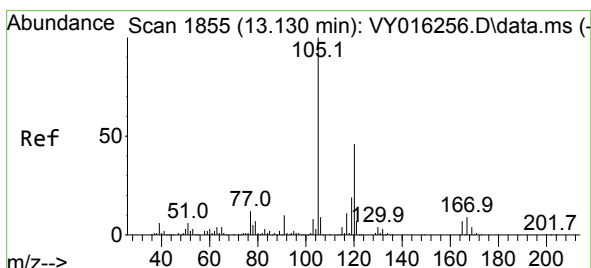
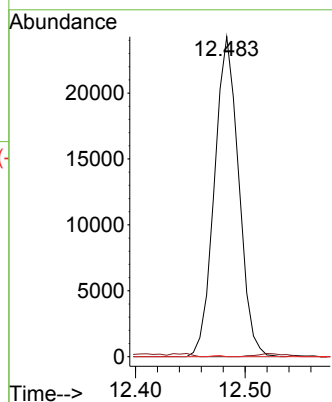
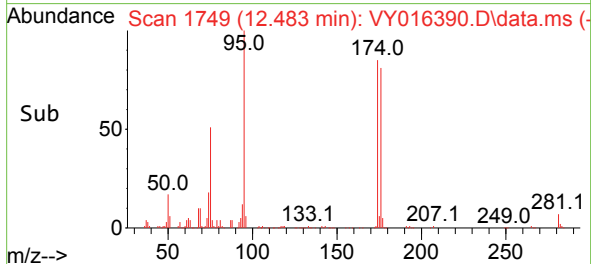


#81
trans-1,4-Dichloro-2-butene
Concen: 107.391 ug/l
RT: 12.483 min Scan# 1733
Delta R.T. 0.097 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :

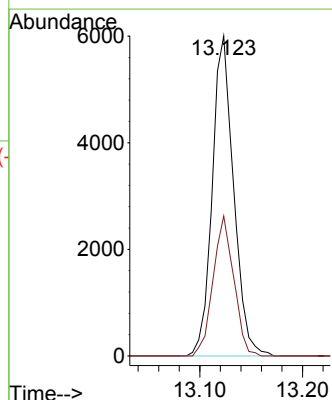
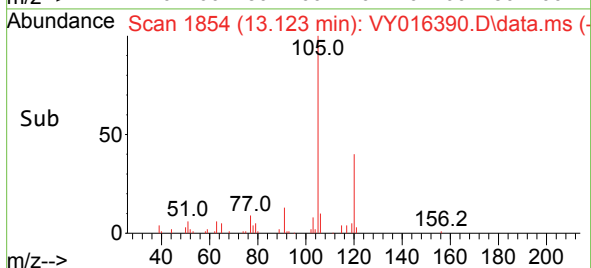
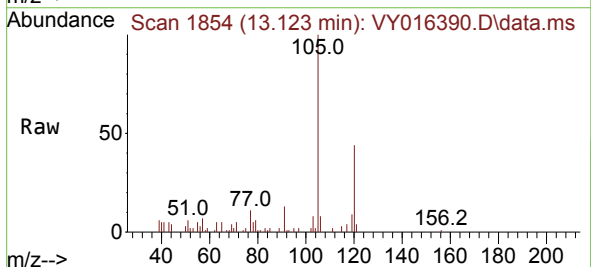


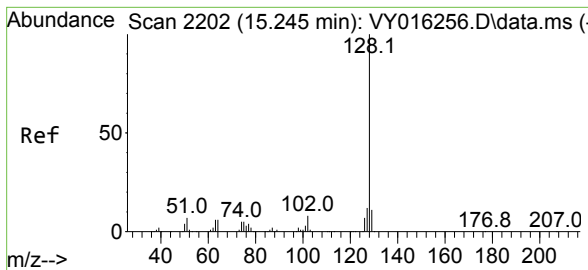
Tgt Ion: 75 Resp: 37354
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.712 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016390.D
Acq: 16 Nov 2023 15:17

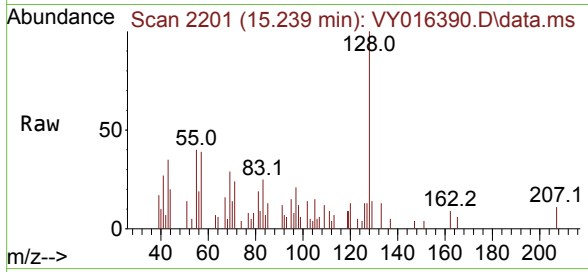
Tgt Ion: 105 Resp: 8663
Ion Ratio Lower Upper
105 100
120 42.3 22.2 66.6





#95
 Naphthalene
 Concen: 1.016 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY016390.D
 Acq: 16 Nov 2023 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	2518
Ion Ratio	Lower	Upper	
128	100		
127	19.7	10.8	16.2#
129	11.7	8.6	13.0

