

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016289.D
 Acq On : 09 Nov 2023 18:08
 Operator : SY/MD
 Sample : 05312-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 23:02:18 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)

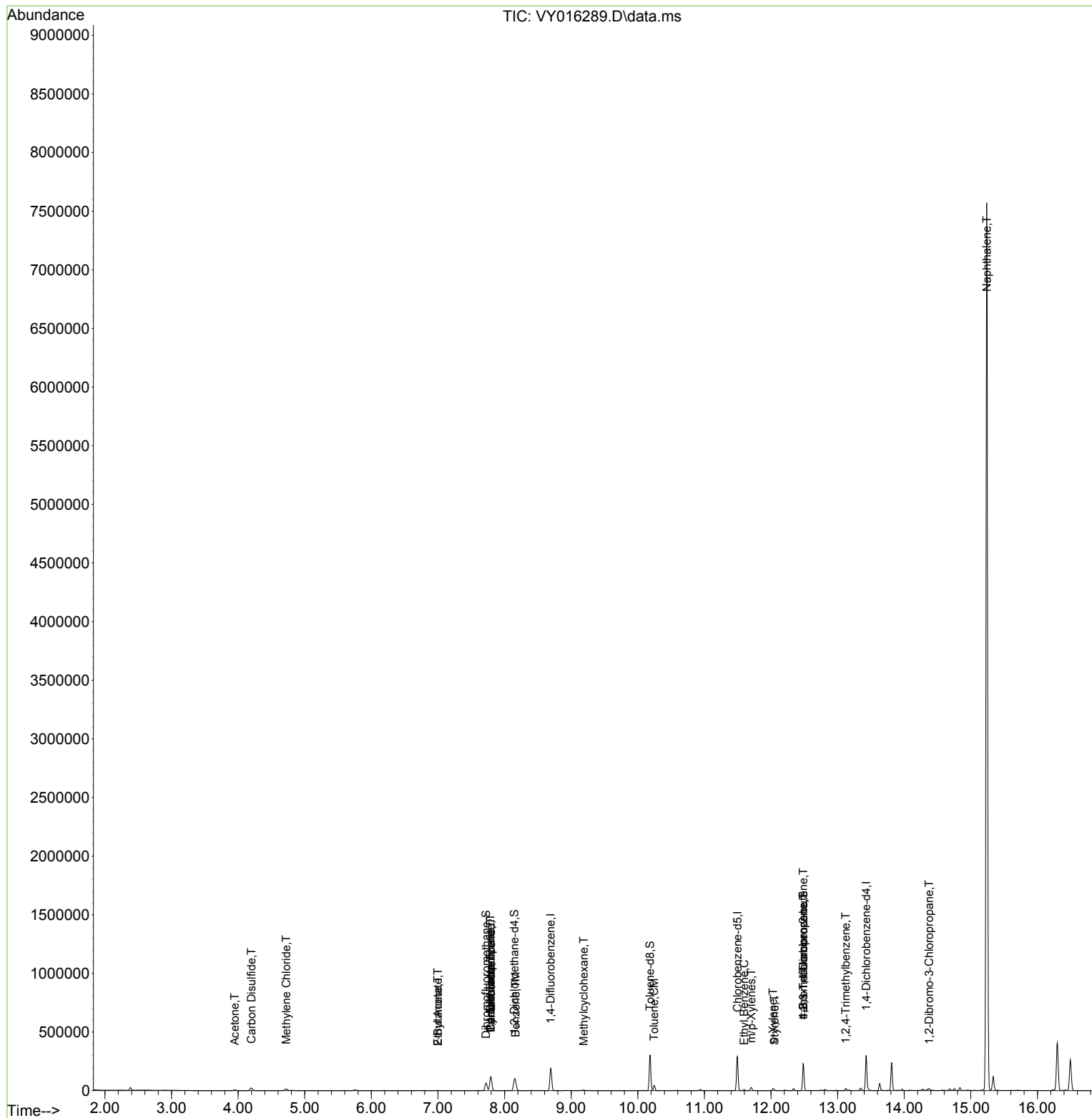
Internal Standards						
1) Pentafluorobenzene	7.795	168	93818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168362	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	161135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57086	66.576	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.160%
35) Dibromofluoromethane	7.722	113	47064	49.209	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.420%
50) Toluene-d8	10.185	98	199537	51.448	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.900%
62) 4-Bromofluorobenzene	12.483	95	70157	55.696	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.400%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	11555	81.468	ug/l #	88
17) Carbon Disulfide	4.198	76	47446	16.586	ug/l	98
20) Methylene Chloride	4.722	84	10575	7.603	ug/l	91
25) 2-Butanone	6.996	43	2985	12.015	ug/l #	89
31) Cyclohexane	7.789	56	2473	1.465	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6985	4.206	ug/l #	50
37) Ethyl Acetate	6.996	43	2985	4.449	ug/l #	71
38) Carbon Tetrachloride	7.789	117	9393	5.450	ug/l #	17
39) Methylcyclohexane	9.191	83	2540	1.227	ug/l #	82
40) Benzene	8.167	78	54709	11.725	ug/l	96
52) Toluene	10.246	92	18726	6.349	ug/l	96
67) Ethyl Benzene	11.599	91	6561	1.060	ug/l	92
68) m/p-Xylenes	11.703	106	8551	3.644	ug/l	93
69) o-Xylene	12.032	106	4542	2.085	ug/l	98
70) Styrene	12.050	104	3540	1.135	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	36590	50.156	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36590	108.868	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.123	105	10712	2.191	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	355	2.258	ug/l #	3
95) Naphthalene	15.239	128	5975688	2494.639	ug/l	99

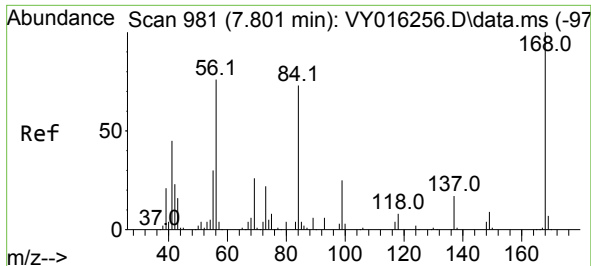
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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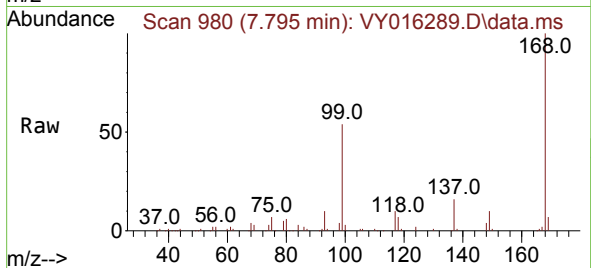
Quant Time: Nov 09 23:02:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
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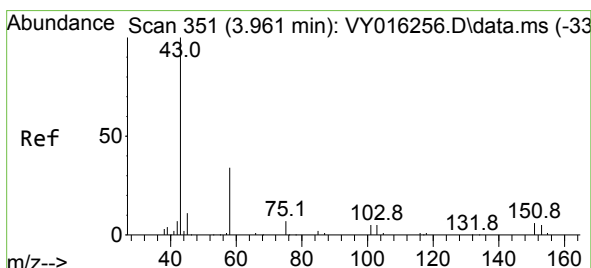
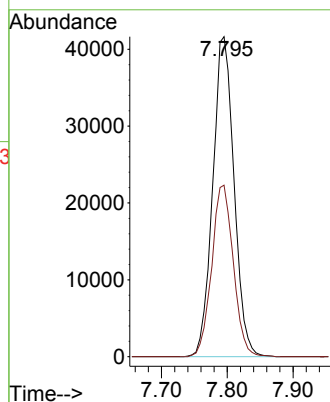
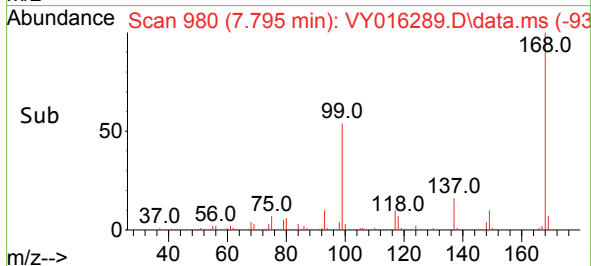


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

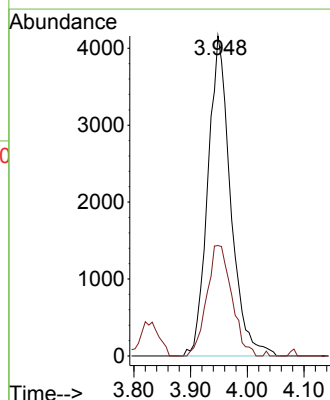
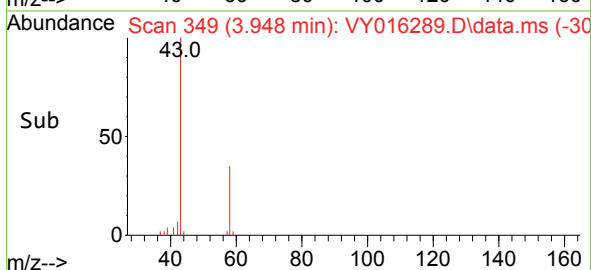
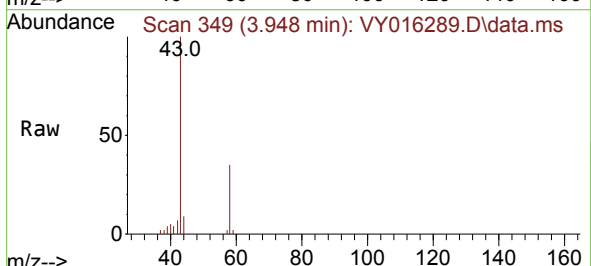


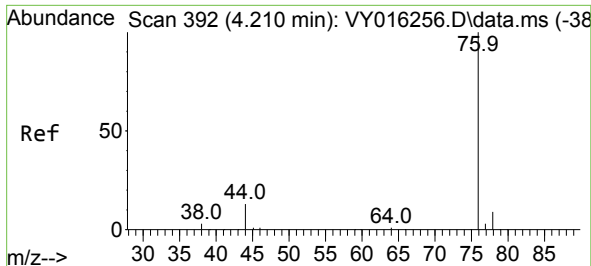
Tgt Ion:168 Resp: 93818
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#16
Acetone
Concen: 81.468 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 43 Resp: 11555
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#





#17

Carbon Disulfide

Concen: 16.586 ug/l

RT: 4.198 min Scan# 392

Delta R.T. -0.012 min

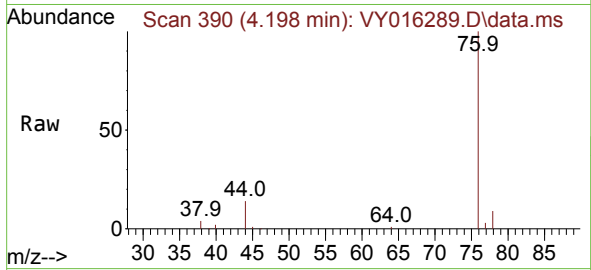
Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

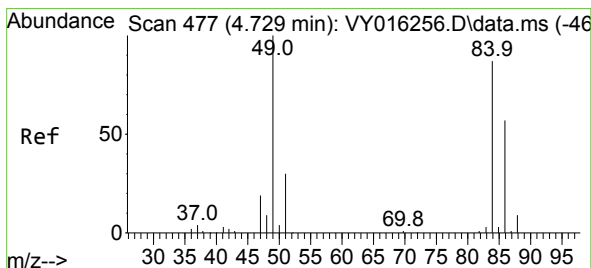
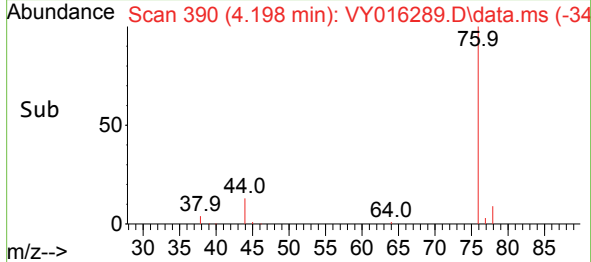
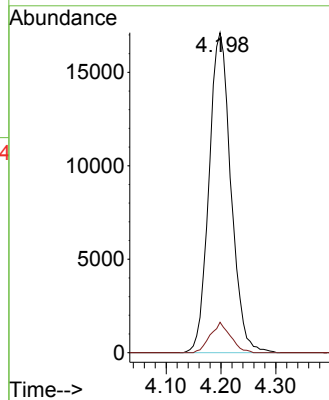


Tgt Ion: 76 Resp: 47446

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



#20

Methylene Chloride

Concen: 7.603 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Tgt Ion: 84 Resp: 10575

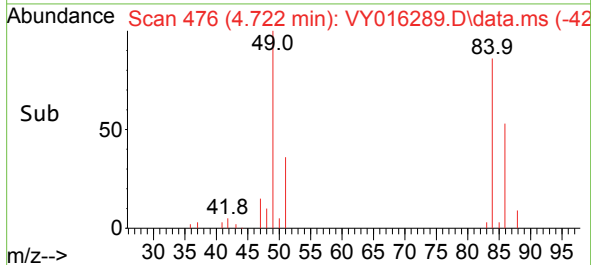
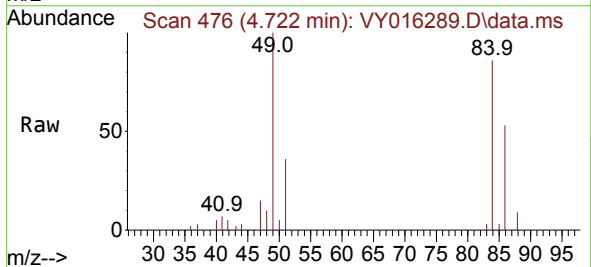
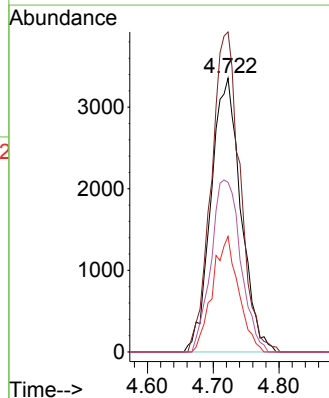
Ion Ratio Lower Upper

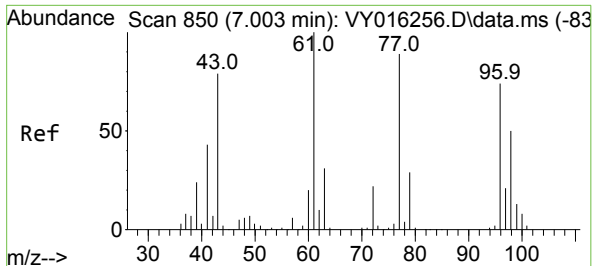
84 100

49 116.9 106.9 160.3

51 42.2 33.2 49.8

86 61.9 51.0 76.6





#25

2-Butanone

Concen: 12.015 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

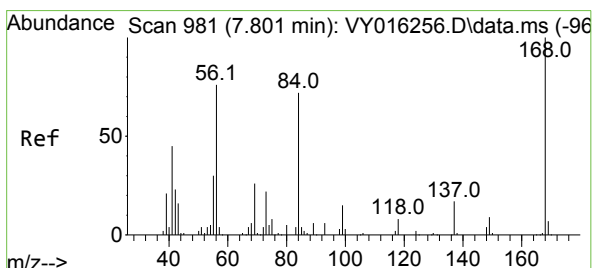
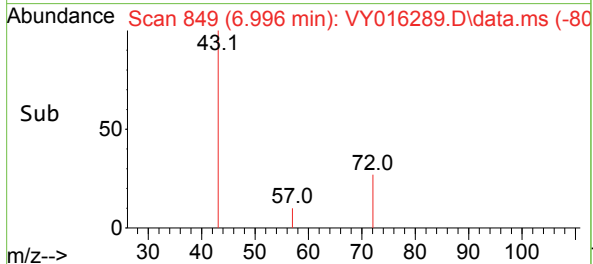
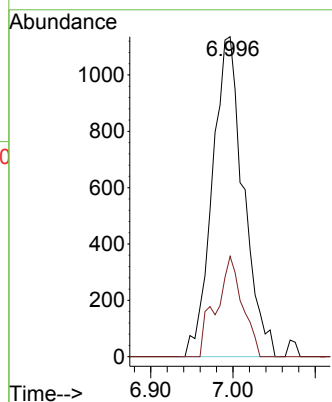
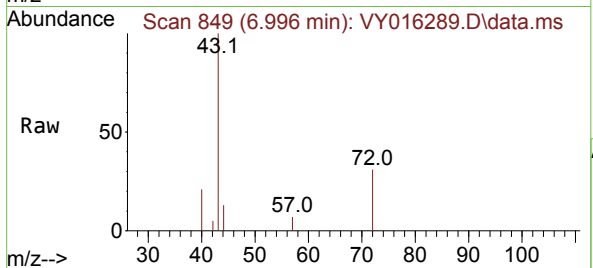
ClientSampleId :

Tgt Ion: 43 Resp: 2985

Ion Ratio Lower Upper

43 100

72 31.3 20.5 30.7#



#31

Cyclohexane

Concen: 1.465 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.012 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

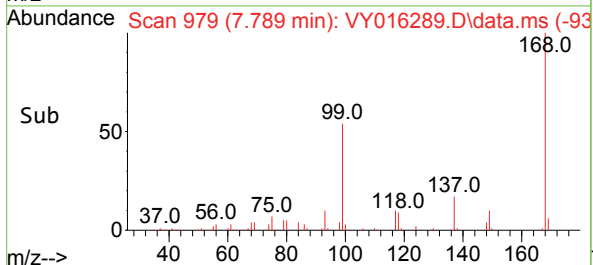
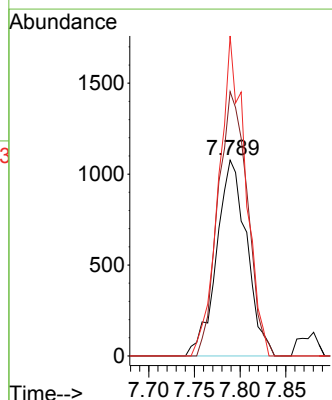
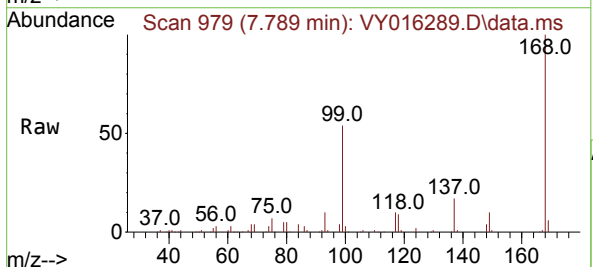
Tgt Ion: 56 Resp: 2473

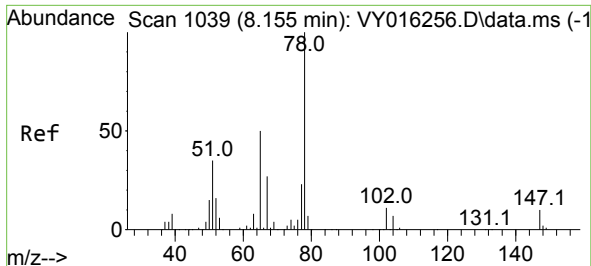
Ion Ratio Lower Upper

56 100

69 135.0 27.8 41.6#

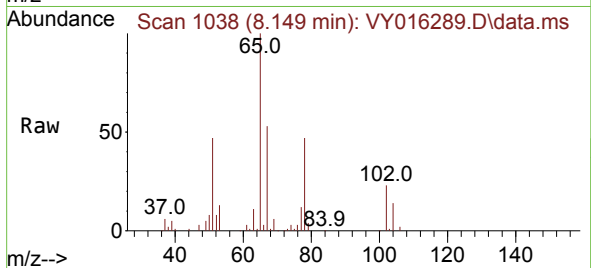
84 163.4 66.4 99.6#



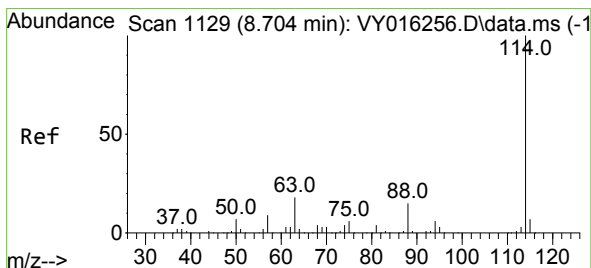
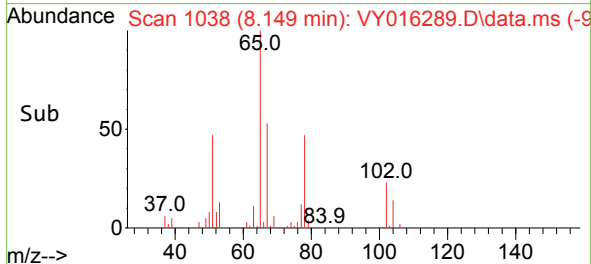
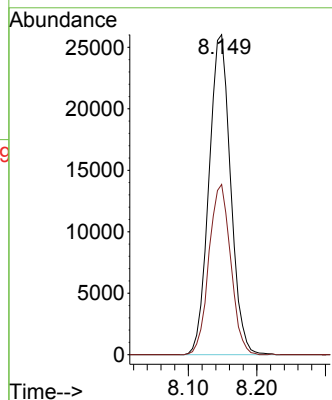


#33
 1,2-Dichloroethane-d4
 Concen: 66.576 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.006 min
 Lab File: VY016289.D
 Acq: 09 Nov 2023 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :

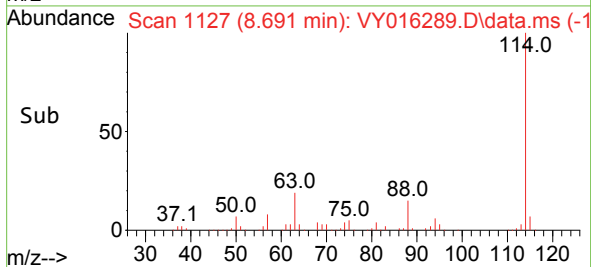
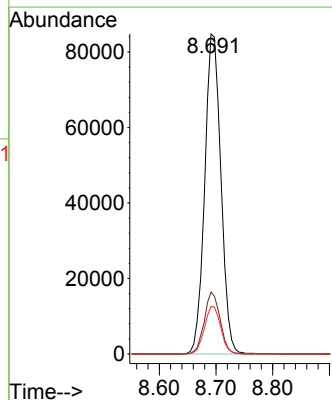
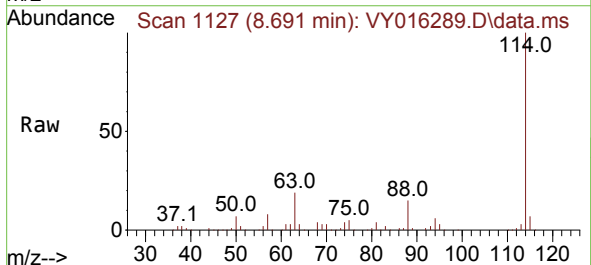


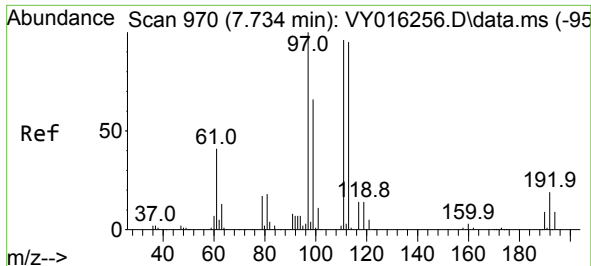
Tgt Ion: 65 Resp: 57086
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.012 min
 Lab File: VY016289.D
 Acq: 09 Nov 2023 18:08

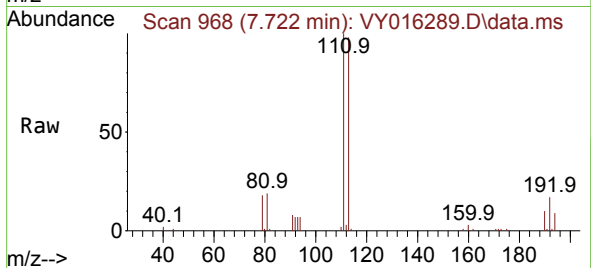
Tgt Ion: 114 Resp: 168362
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 14.9 0.0 30.6



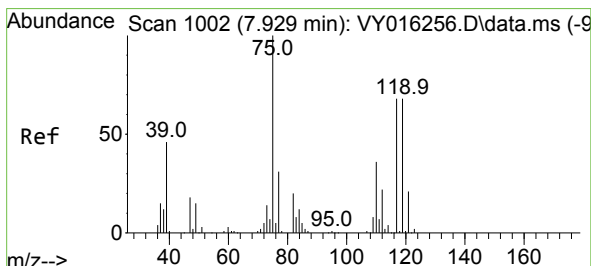
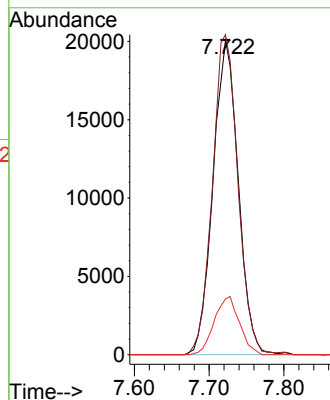
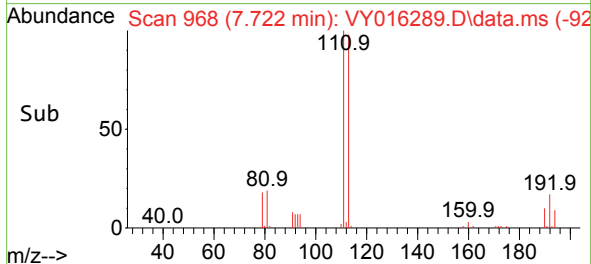


#35
Dibromofluoromethane
Concen: 49.209 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

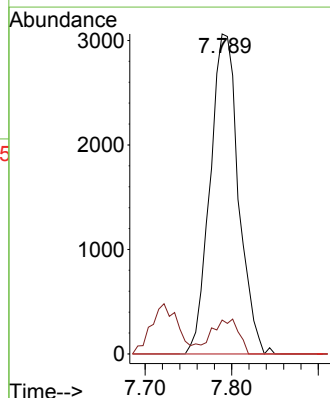
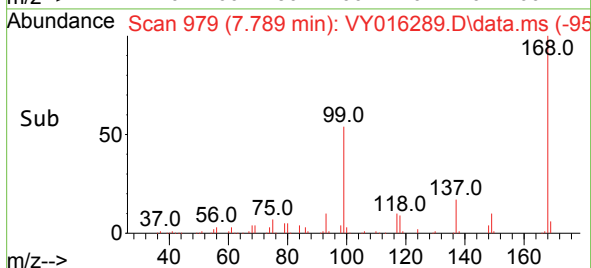
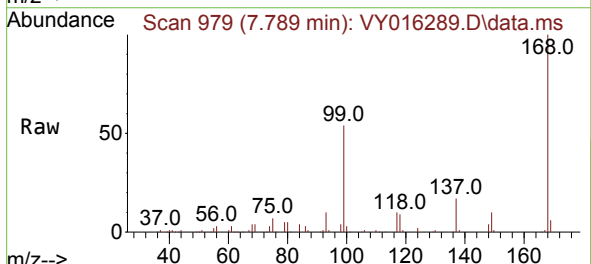


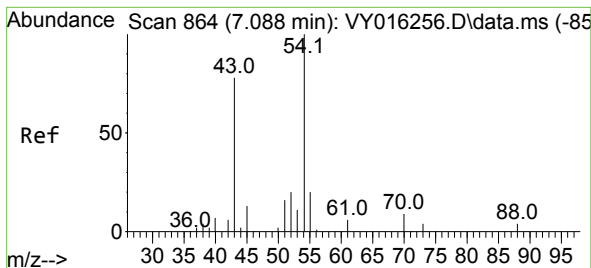
Tgt Ion:113 Resp: 47064
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.206 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 75 Resp: 6985
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.449 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.092 min

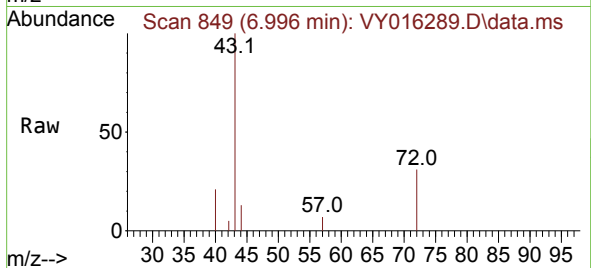
Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

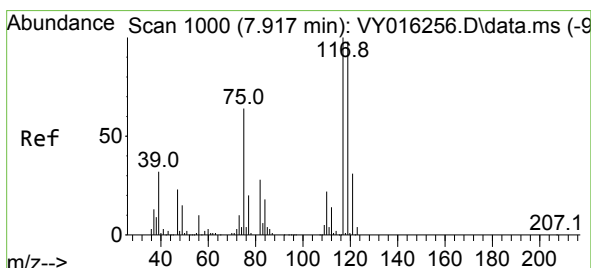
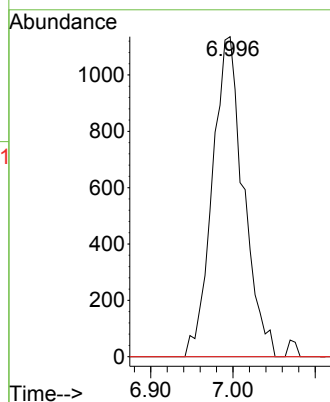
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 2985
Ion Ratio	Lower Upper
43	100
61	0.0 10.1 15.1#
70	0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

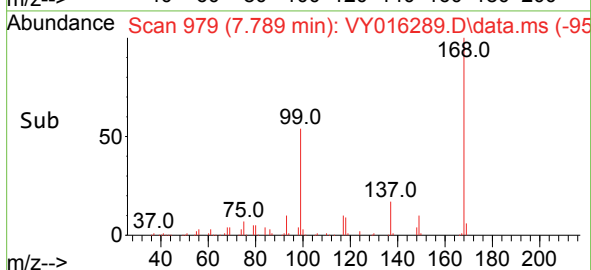
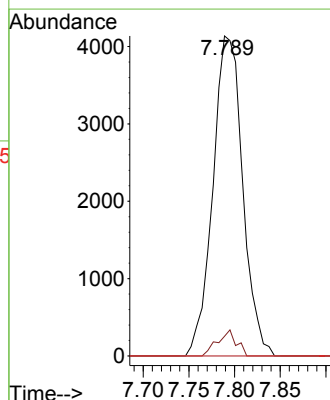
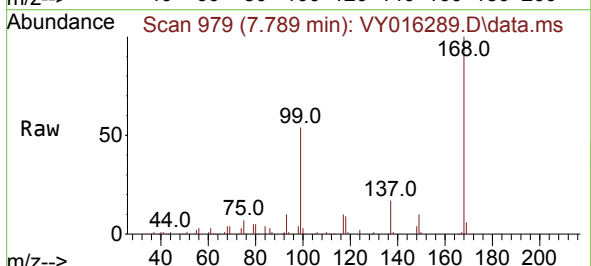
RT: 7.789 min Scan# 979

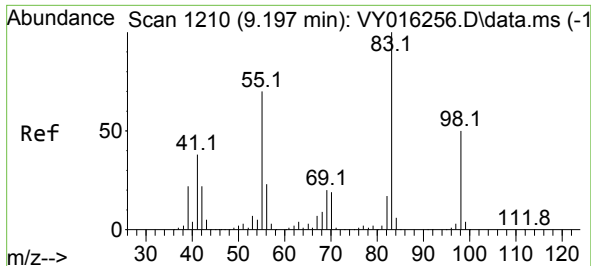
Delta R.T. -0.128 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Tgt Ion: 117	Resp: 9393
Ion Ratio	Lower Upper
117	100
119	6.1 76.4 114.6#
121	0.0 25.8 38.6#

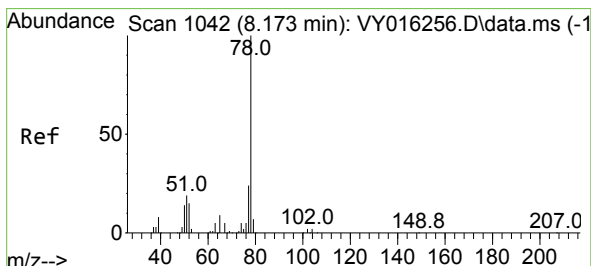
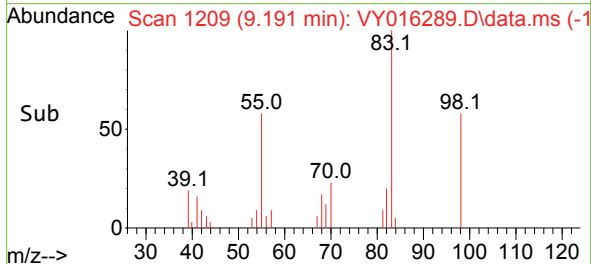
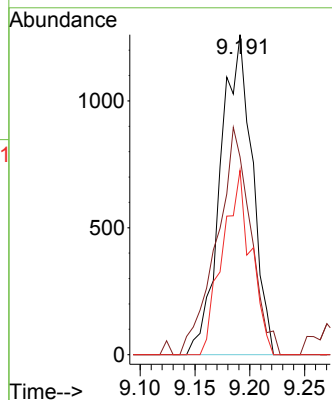
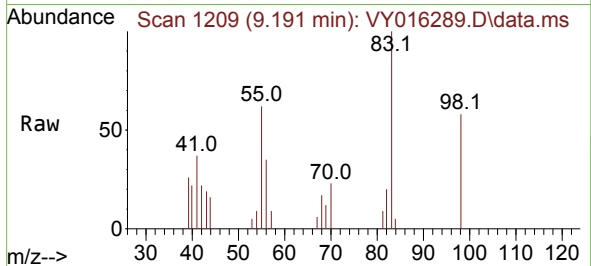




#39
Methylcyclohexane
Concen: 1.227 ug/l
RT: 9.191 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

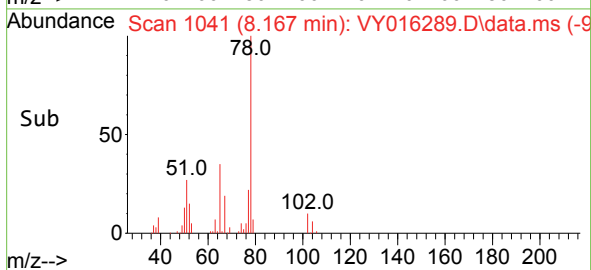
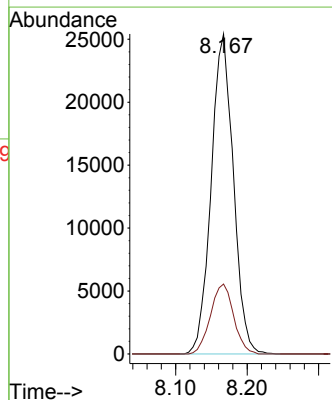
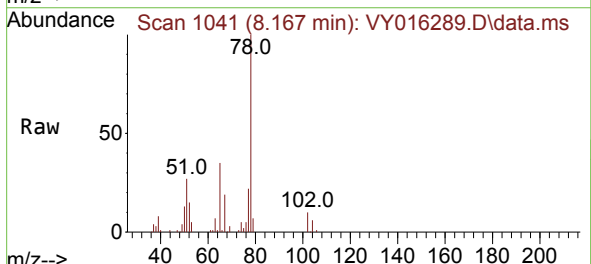
Instrument :
MSVOA_Y
ClientSampleId :

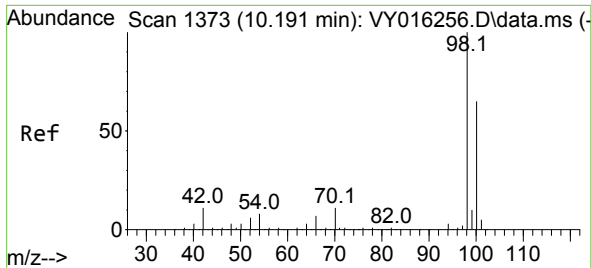
Tgt Ion: 83 Resp: 2540
Ion Ratio Lower Upper
83 100
55 61.8 63.0 94.4#
98 57.6 37.4 56.2#



#40
Benzene
Concen: 11.725 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 78 Resp: 54709
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.6

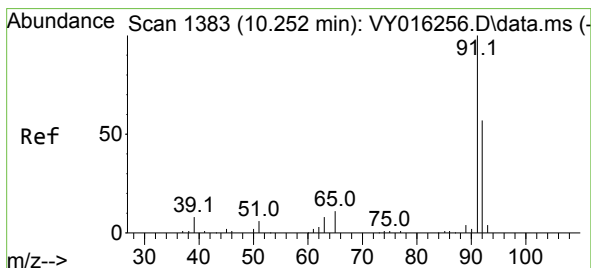
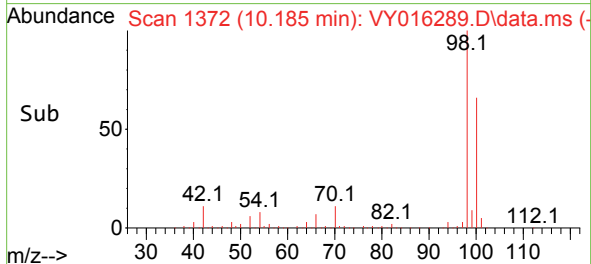
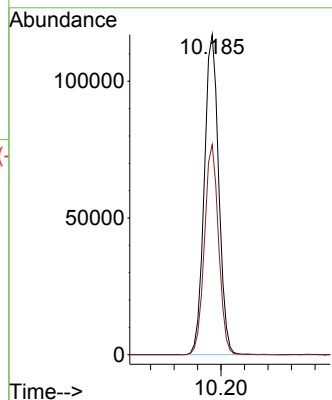
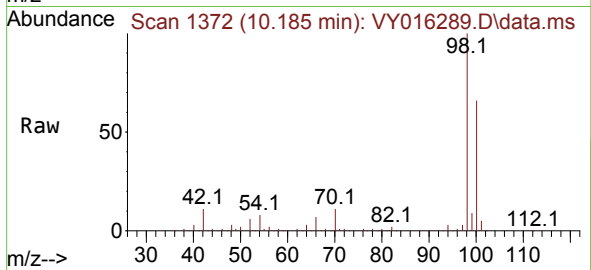




#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.185 min Scan# 1373
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

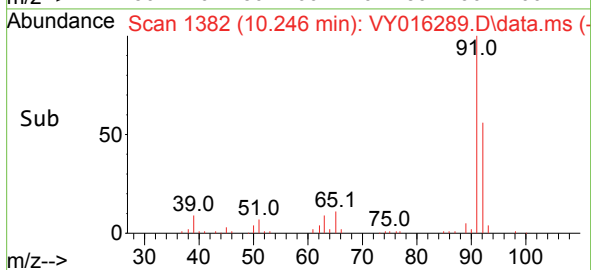
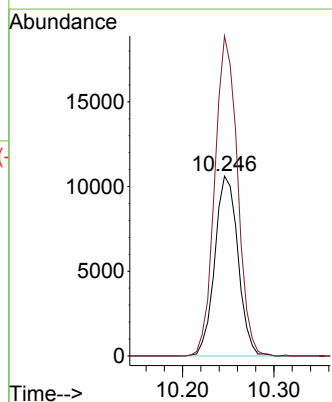
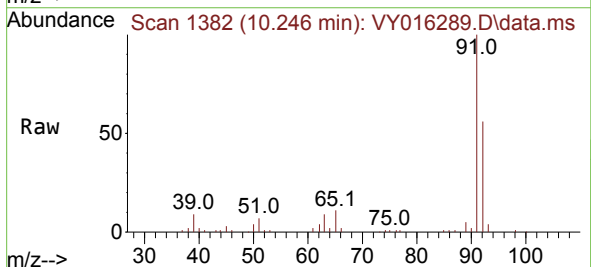
Instrument :
MSVOA_Y
ClientSampleId :

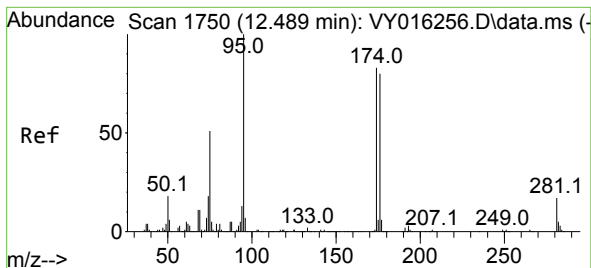
Tgt Ion: 98 Resp: 199537
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#52
Toluene
Concen: 6.349 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 92 Resp: 18726
Ion Ratio Lower Upper
92 100
91 174.2 143.8 215.6

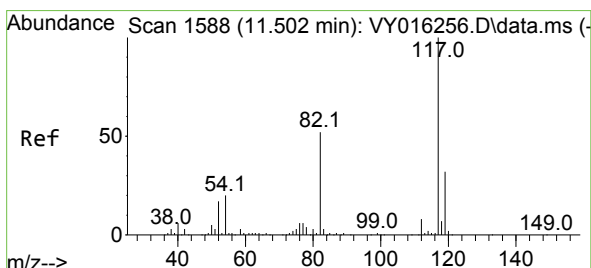
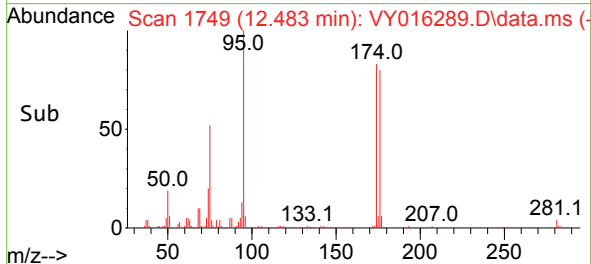
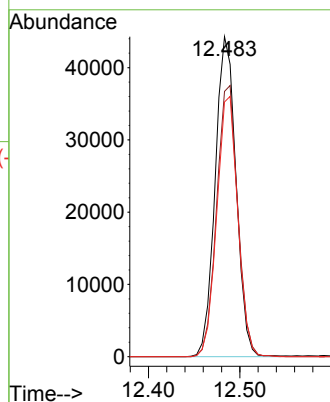
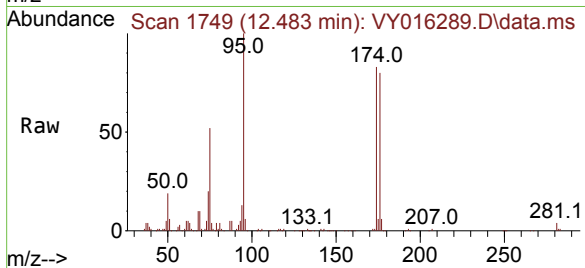




#62
4-Bromofluorobenzene
Concen: 55.696 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

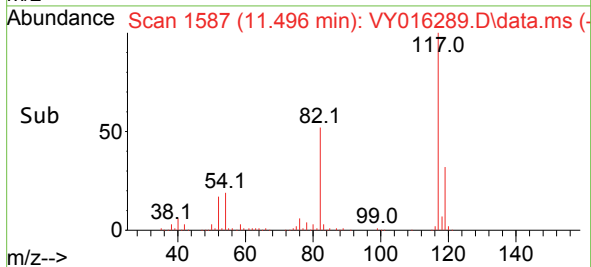
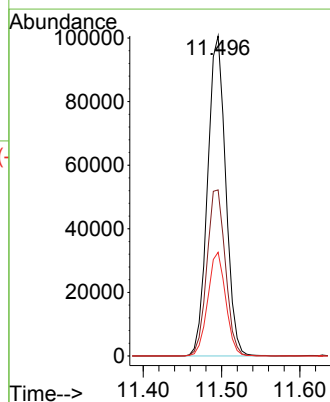
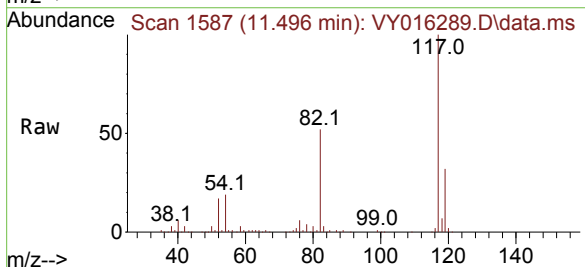
Instrument :
MSVOA_Y
ClientSampleId :

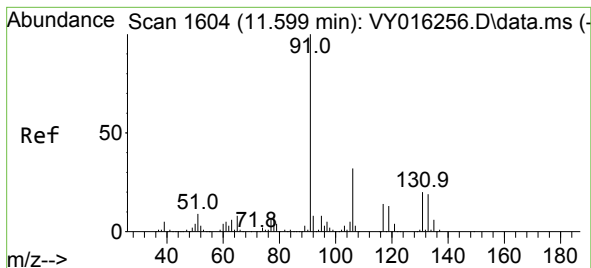
Tgt Ion: 95 Resp: 70157
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 117 Resp: 161135
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.4 26.3 39.5





#67

Ethyl Benzene

Concen: 1.060 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

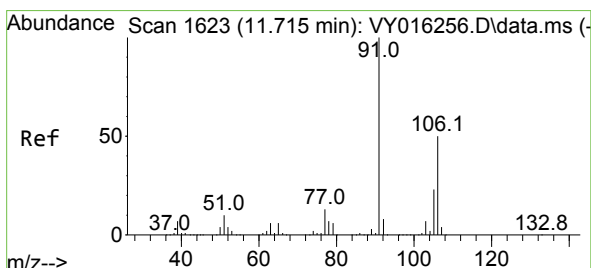
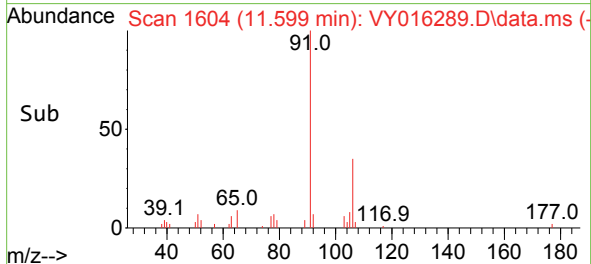
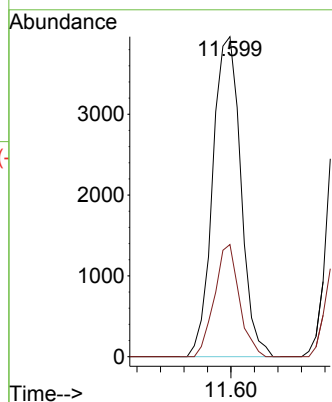
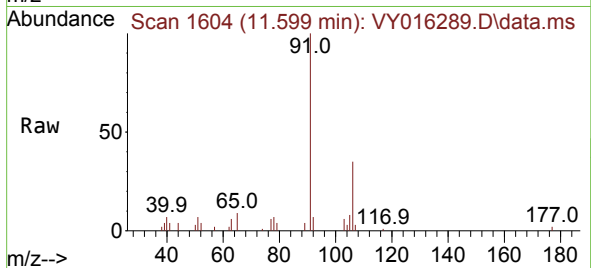
ClientSampleId :

Tgt Ion: 91 Resp: 6561

Ion Ratio Lower Upper

91 100

106 35.0 24.6 36.8



#68

m/p-Xylenes

Concen: 3.644 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.012 min

Lab File: VY016289.D

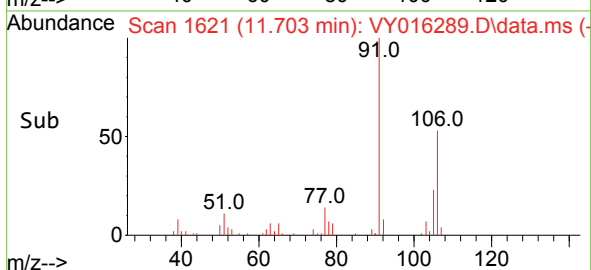
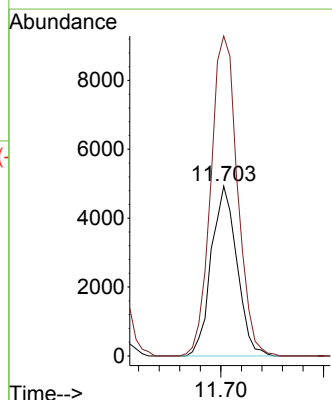
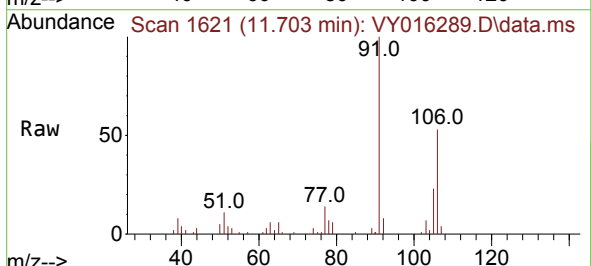
Acq: 09 Nov 2023 18:08

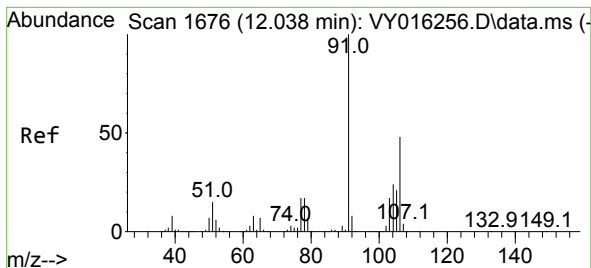
Tgt Ion: 106 Resp: 8551

Ion Ratio Lower Upper

106 100

91 196.2 166.1 249.1





#69

o-Xylene

Concen: 2.085 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

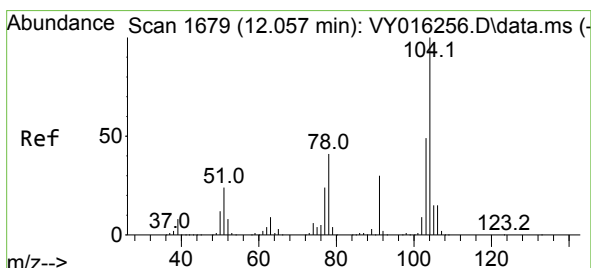
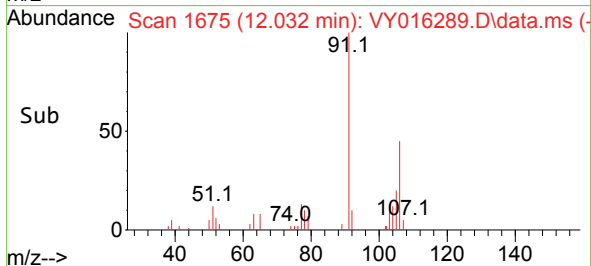
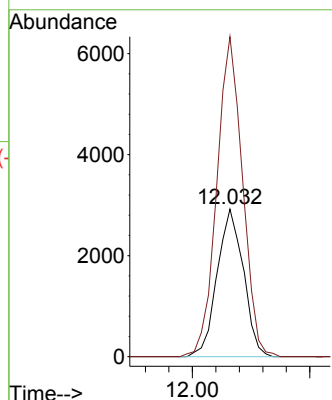
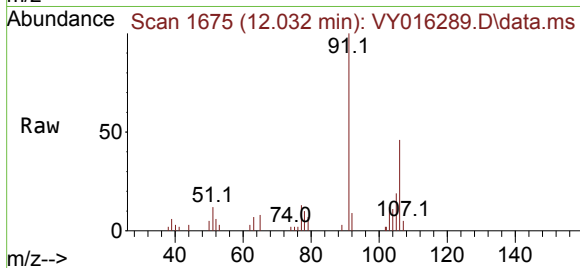
ClientSampleId :

Tgt Ion:106 Resp: 4542

Ion Ratio Lower Upper

106 100

91 212.3 108.1 324.3



#70

Styrene

Concen: 1.135 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

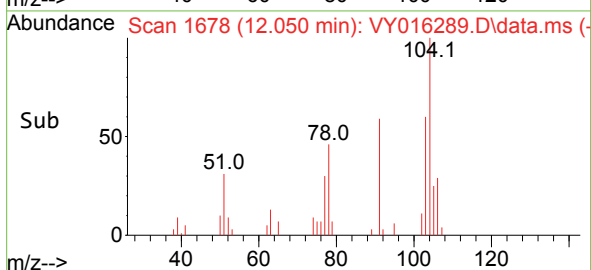
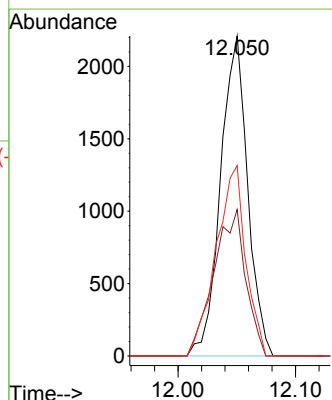
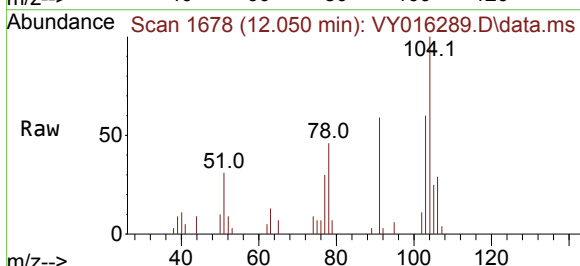
Tgt Ion:104 Resp: 3540

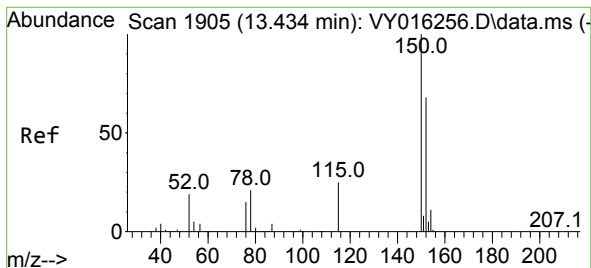
Ion Ratio Lower Upper

104 100

78 54.0 41.5 62.3

103 65.3 44.6 67.0

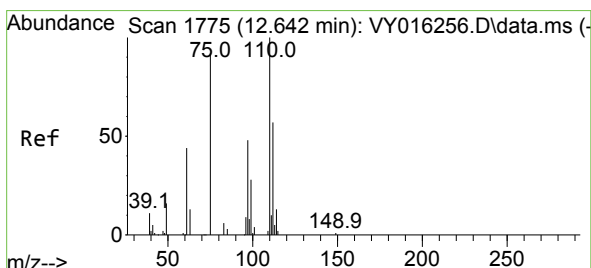
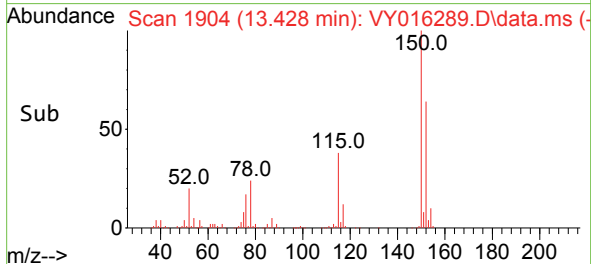
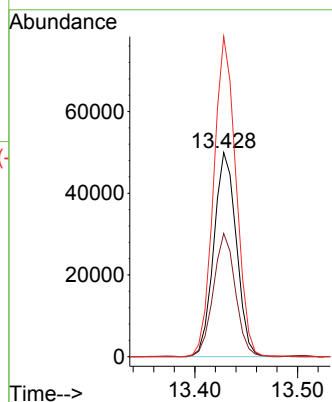
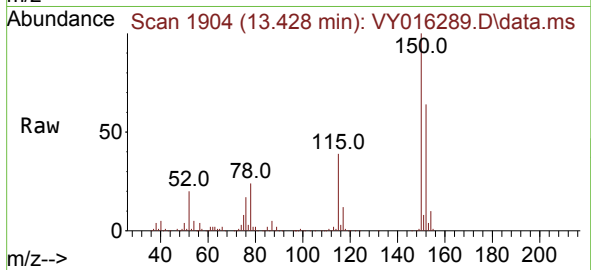




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY016289.D
 Acq: 09 Nov 2023 18:08

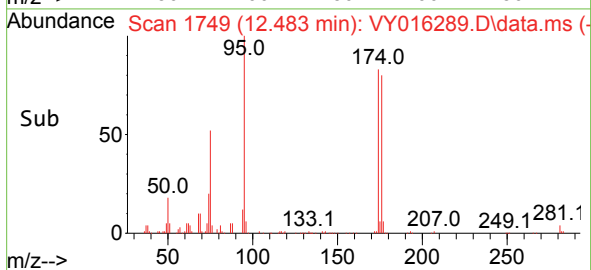
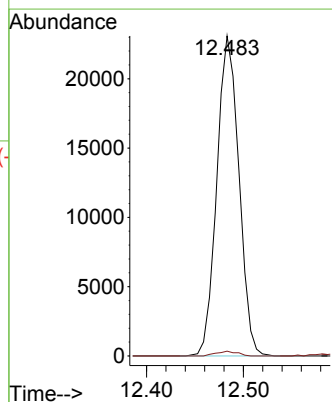
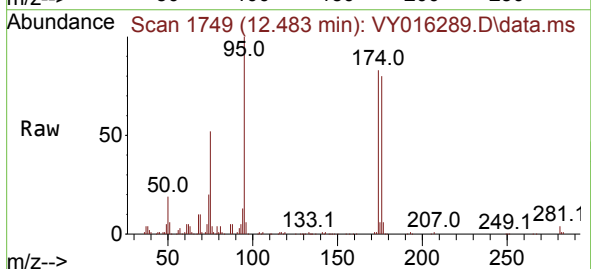
Instrument :
 MSVOA_Y
 ClientSampleId :

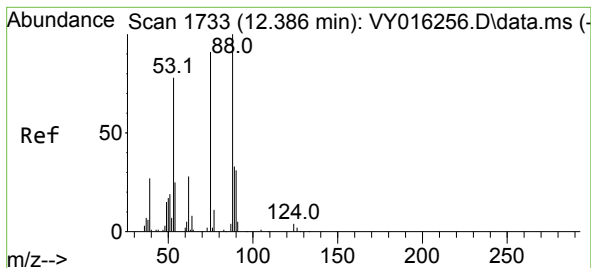
Tgt Ion:152 Resp: 76048
 Ion Ratio Lower Upper
 152 100
 115 59.3 28.8 86.5
 150 155.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 50.156 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.159 min
 Lab File: VY016289.D
 Acq: 09 Nov 2023 18:08

Tgt Ion: 75 Resp: 36590
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

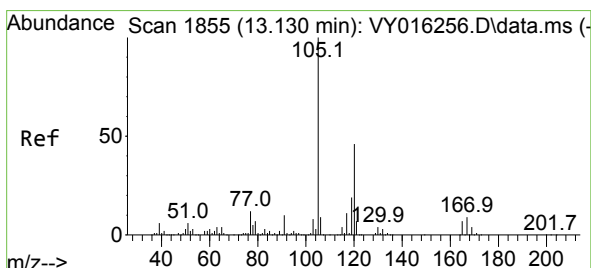
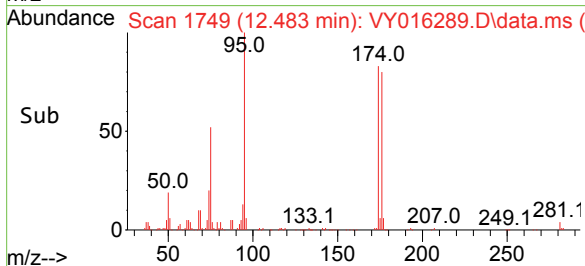
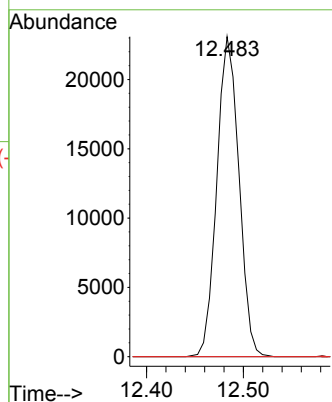
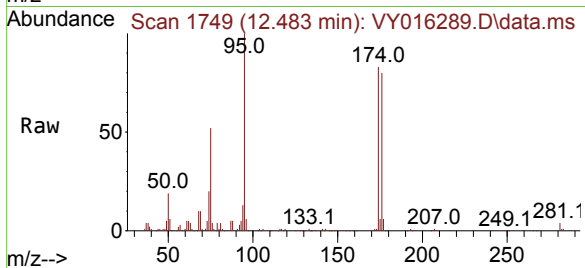




#81
trans-1,4-Dichloro-2-butene
Concen: 108.868 ug/l
RT: 12.483 min Scan# 1733
Delta R.T. 0.097 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

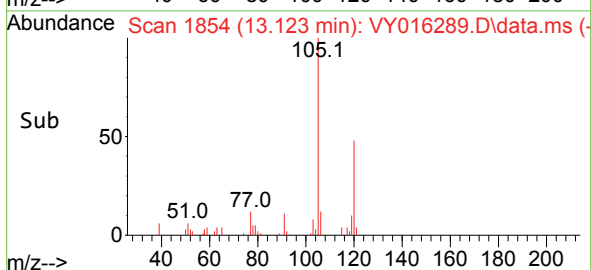
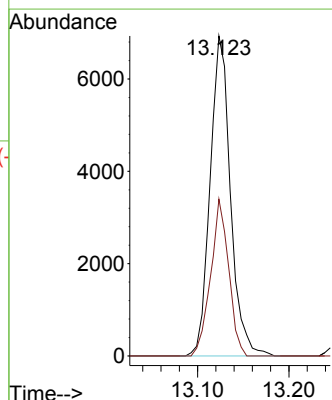
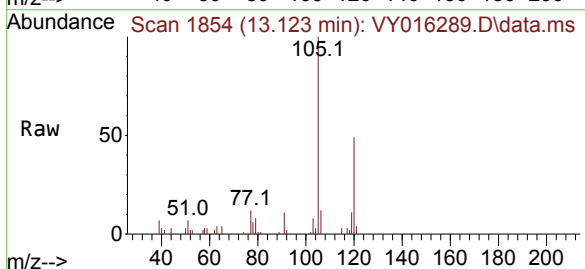
Instrument :
MSVOA_Y
ClientSampleId :

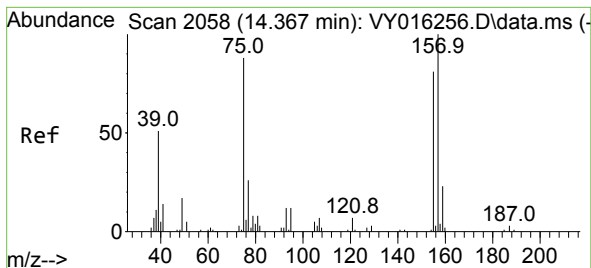
Tgt Ion: 75 Resp: 36590
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.191 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 105 Resp: 10712
Ion Ratio Lower Upper
105 100
120 43.3 22.2 66.6

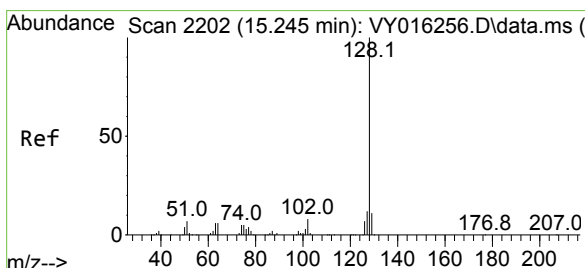
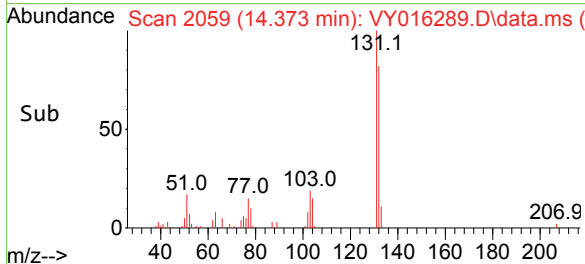
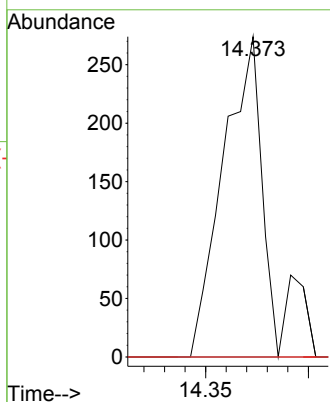
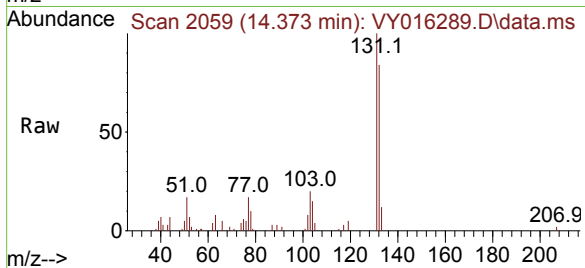




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.258 ug/l
RT: 14.373 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 355
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#



#95
Naphthalene
Concen: 2494.639 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 128 Resp: 5975688
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.5 8.6 13.0

