

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016044.D
 Acq On : 19 Oct 2023 17:56
 Operator : SY/MD
 Sample : 04938-16
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 05:39:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

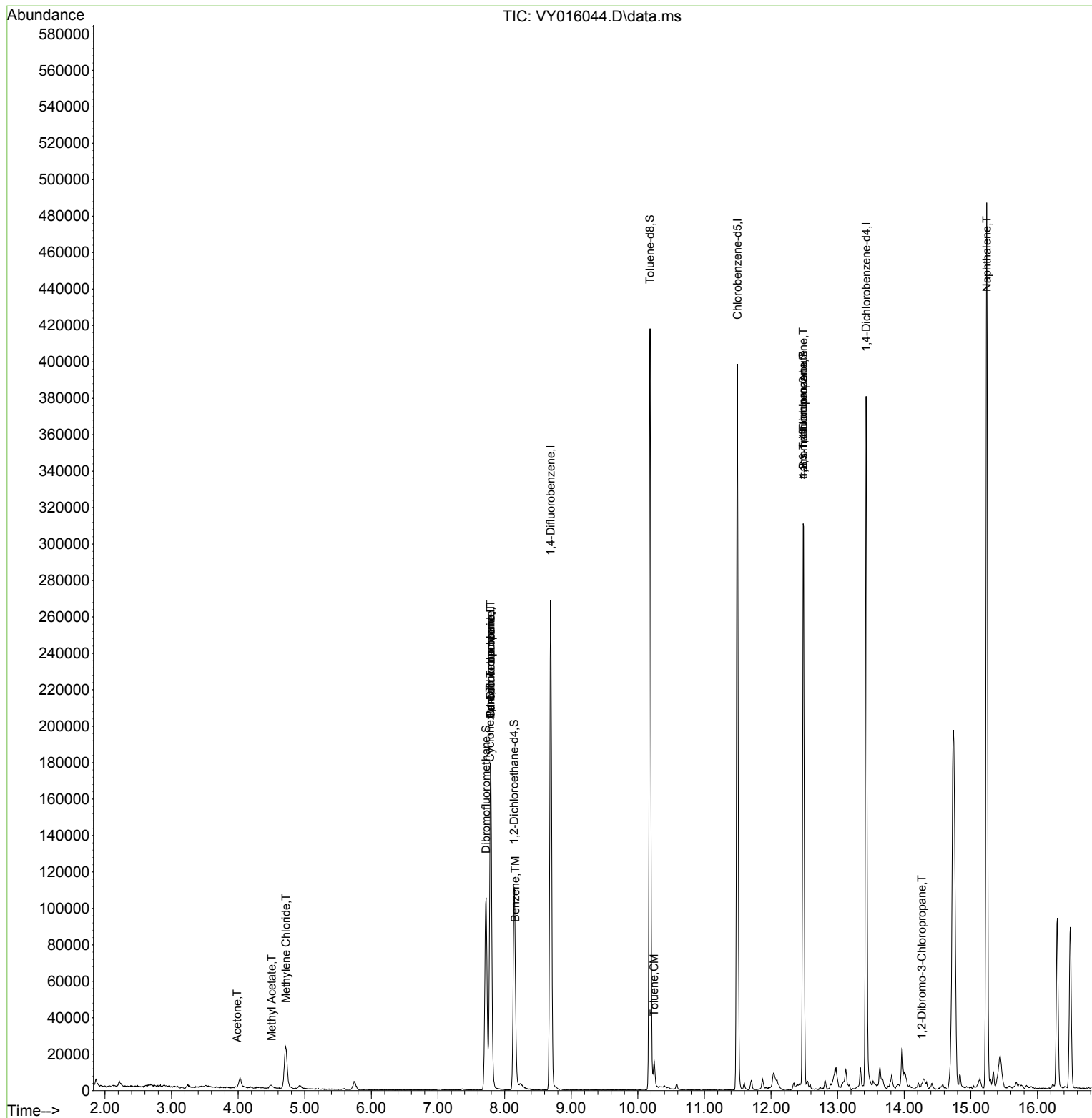
Internal Standards						
1) Pentafluorobenzene	7.789	168	141876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	240413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	220710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86005	53.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.680%	
35) Dibromofluoromethane	7.722	113	77581	49.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.060%	
50) Toluene-d8	10.185	98	283497	49.328	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.483	95	95446	46.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.080%	
Target Compounds						
					Qvalue	
16) Acetone	3.985	43	1364	2.282	ug/l #	53
18) Methyl Acetate	4.503	43	4419	2.148	ug/l	99
20) Methylene Chloride	4.716	84	18015	10.145	ug/l	88
31) Cyclohexane	7.783	56	2808	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10483	4.403	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14090	5.568	ug/l #	15
40) Benzene	8.161	78	11069	1.650	ug/l	96
52) Toluene	10.246	92	4934	1.134	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	50511	36.208	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50511	79.038	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.263	75	377	1.073	ug/l #	3
95) Naphthalene	15.239	128	396525	79.358	ug/l	99

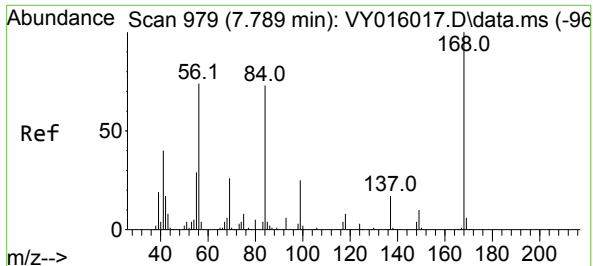
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
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Quant Time: Oct 20 05:39:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 19 03:15:44 2023
Response via : Initial Calibration

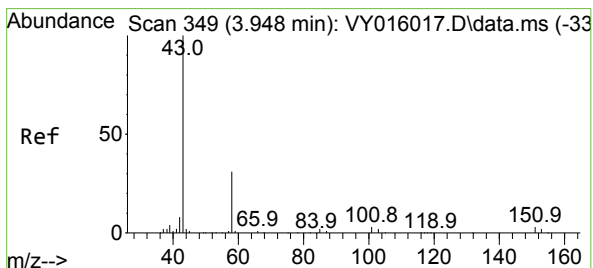
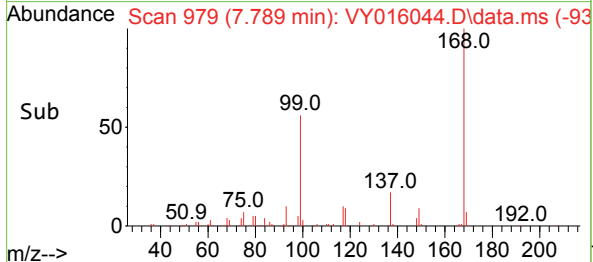
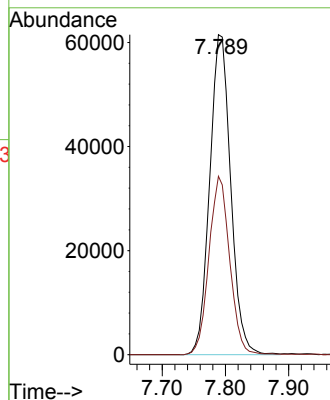
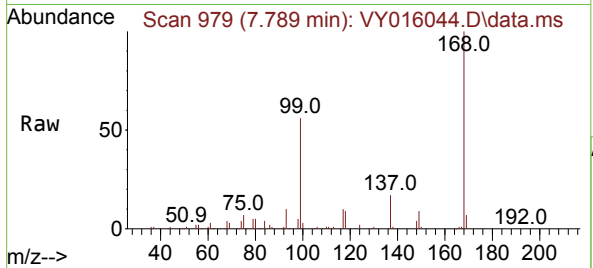




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

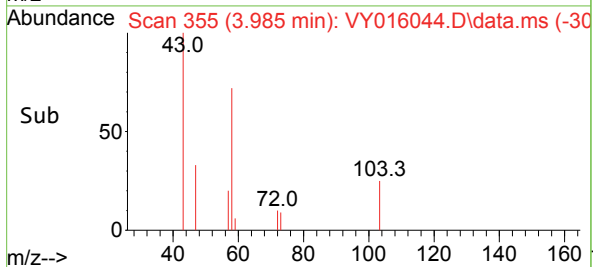
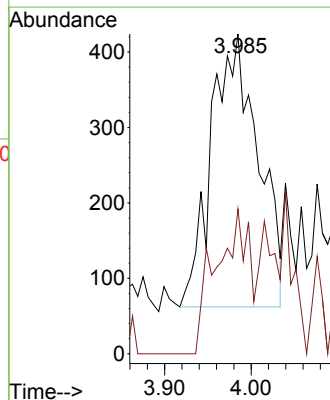
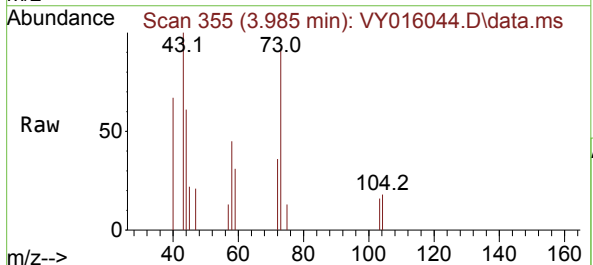
Instrument :
MSVOA_Y
ClientSampleId :

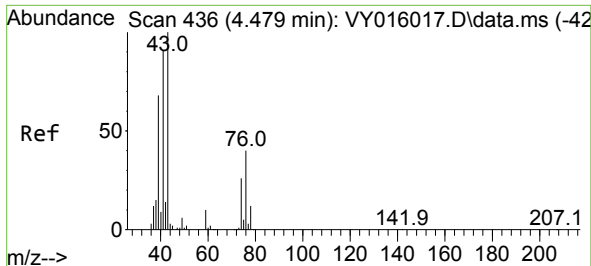
Tgt Ion:168 Resp: 141876
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#16
Acetone
Concen: 2.282 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.037 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

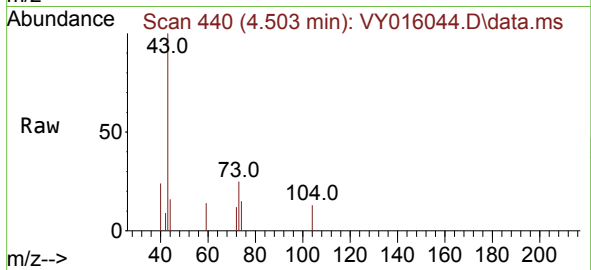
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
58 53.0 22.7 34.1#



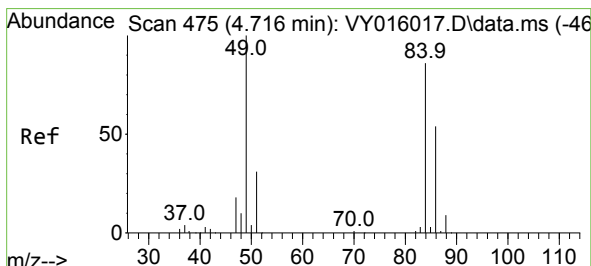
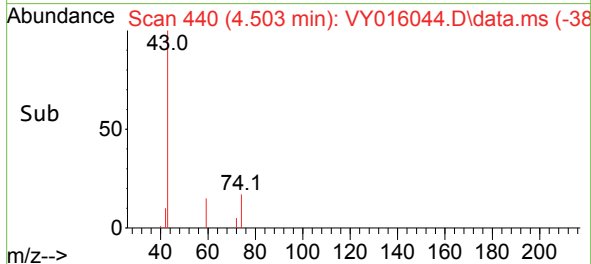
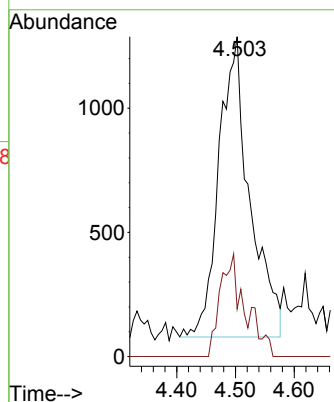


#18
Methyl Acetate
Concen: 2.148 ug/l
RT: 4.503 min Scan# 440
Delta R.T. 0.024 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Instrument :
MSVOA_Y
ClientSampleId :

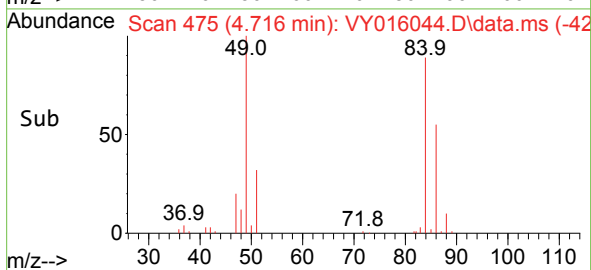
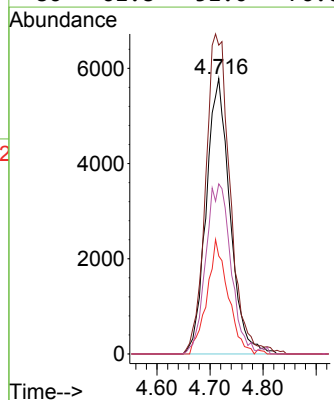
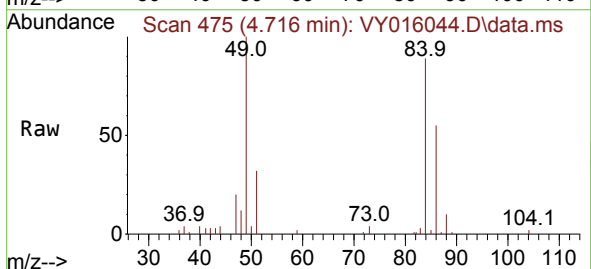


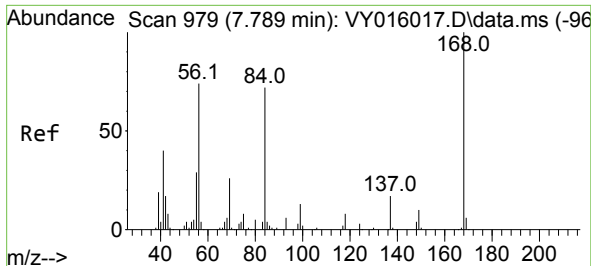
Tgt Ion: 43 Resp: 4419
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.0



#20
Methylene Chloride
Concen: 10.145 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

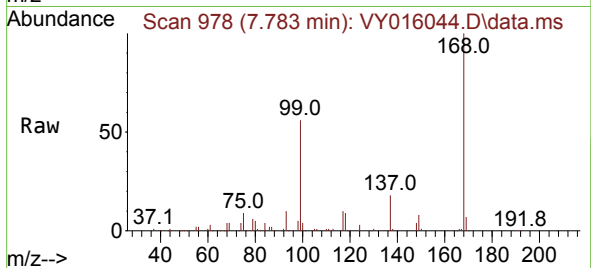
Tgt Ion: 84 Resp: 18015
Ion Ratio Lower Upper
84 100
49 112.2 106.9 160.3
51 35.6 33.2 49.8
86 61.8 51.0 76.6



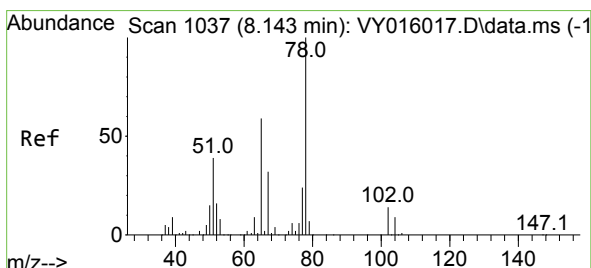
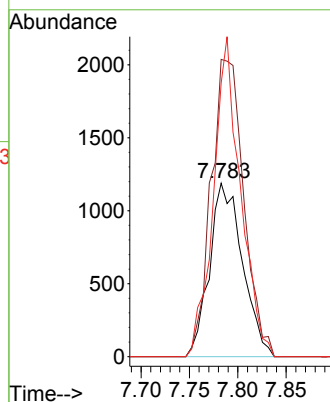
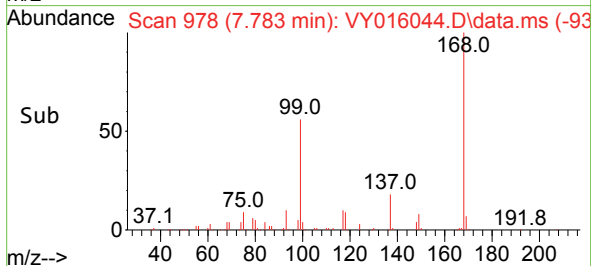


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Instrument :
MSVOA_Y
ClientSampleId :

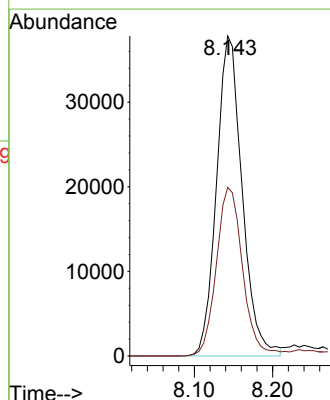
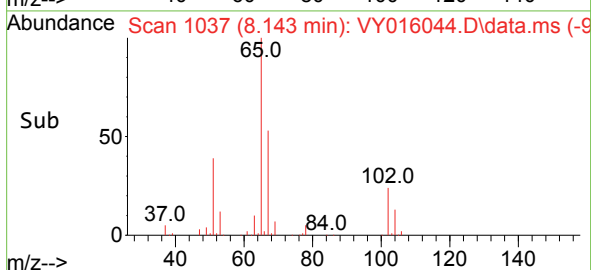
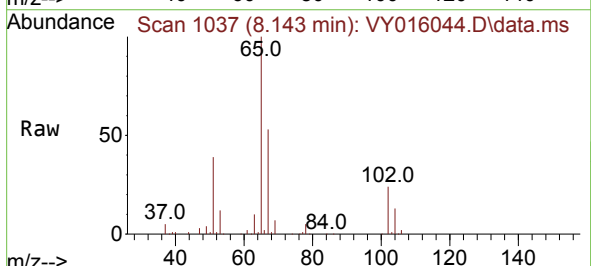


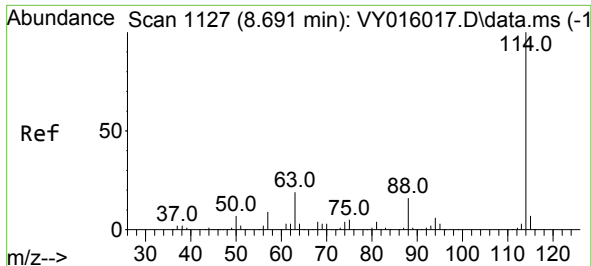
Tgt Ion: 56 Resp: 2808
Ion Ratio Lower Upper
56 100
69 171.5 27.8 41.6#
84 157.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.336 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Tgt Ion: 65 Resp: 86005
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.8

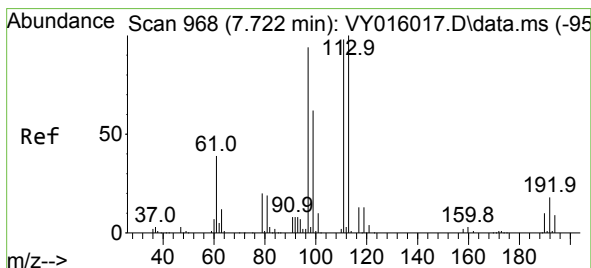
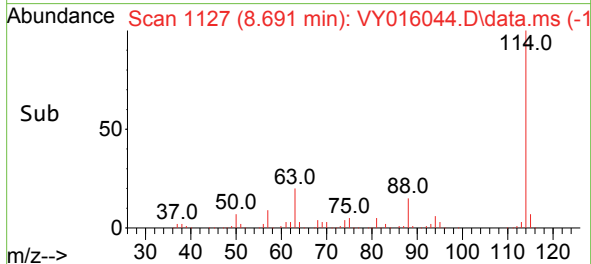
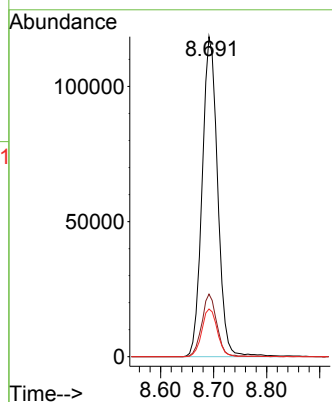
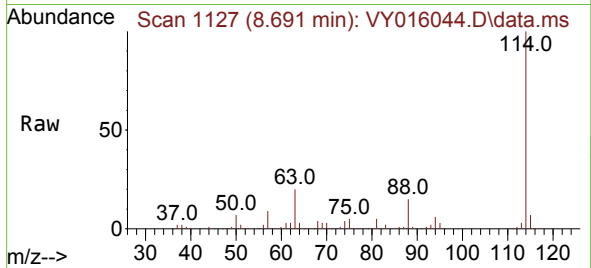




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

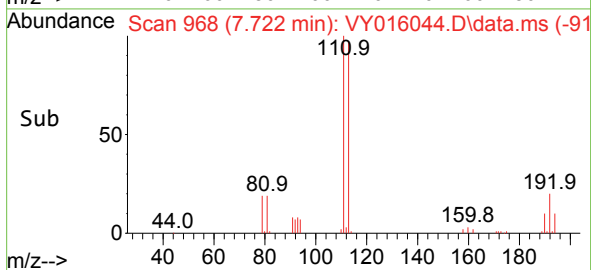
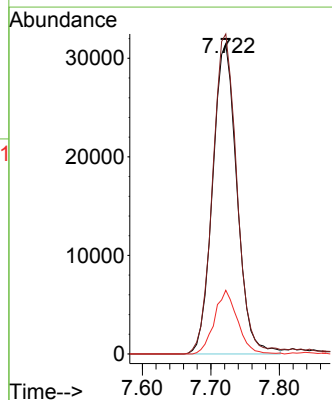
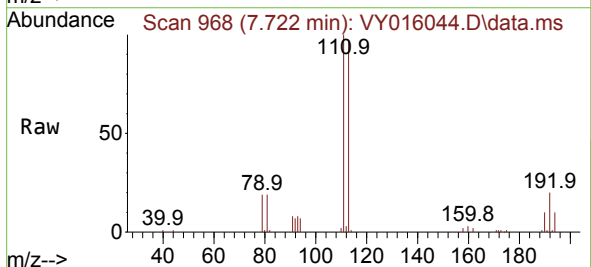
Instrument :
MSVOA_Y
ClientSampleId :

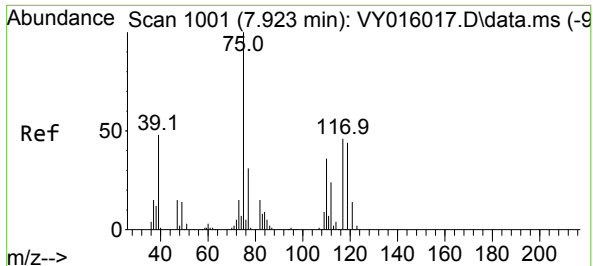
Tgt Ion:114 Resp: 240413
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.027 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

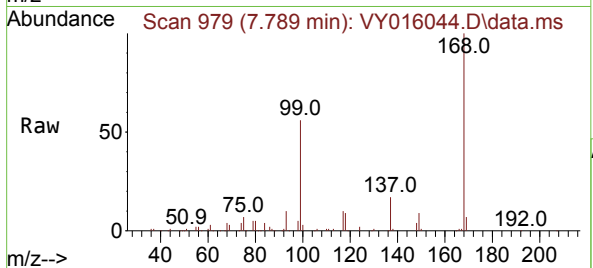
Tgt Ion:113 Resp: 77581
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.5 16.9 25.3



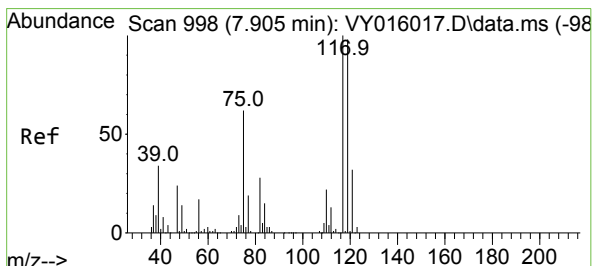
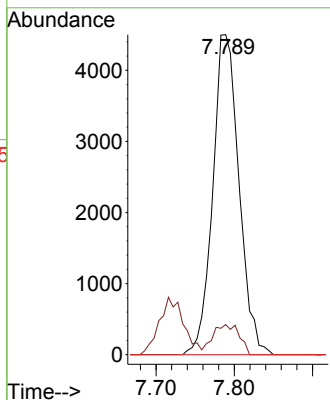
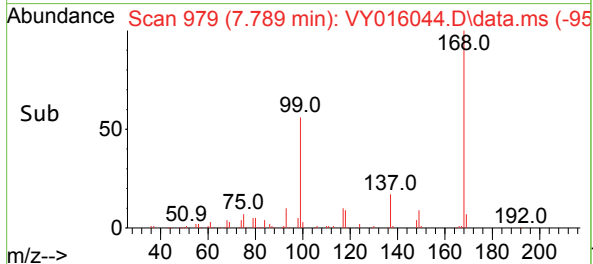


#36
 1,1-Dichloropropene
 Concen: 4.403 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY016044.D
 Acq: 19 Oct 2023 17:56

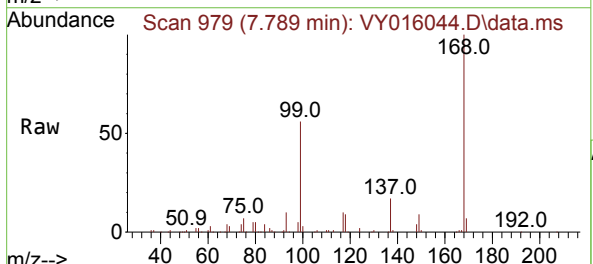
Instrument :
 MSVOA_Y
 ClientSampleId :



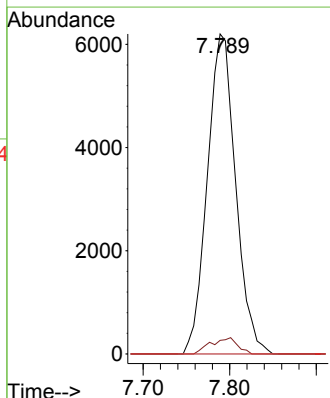
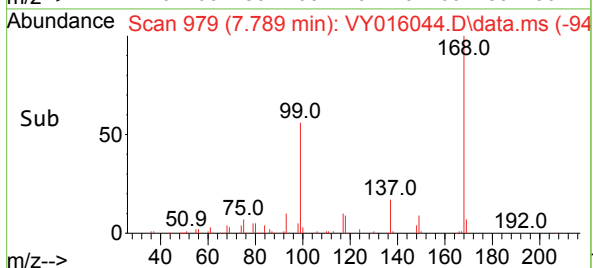
Tgt Ion: 75 Resp: 10483
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.8 53.5#
 77 0.0 24.4 36.6#

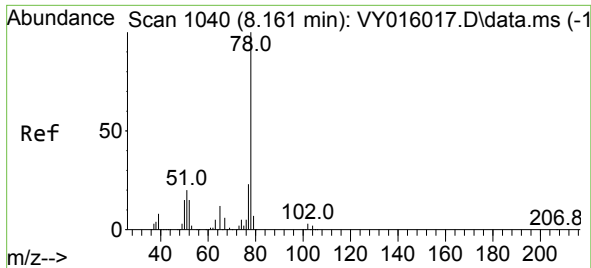


#38
 Carbon Tetrachloride
 Concen: 5.568 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.116 min
 Lab File: VY016044.D
 Acq: 19 Oct 2023 17:56



Tgt Ion: 117 Resp: 14090
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.4 114.6#
 121 0.0 25.8 38.6#

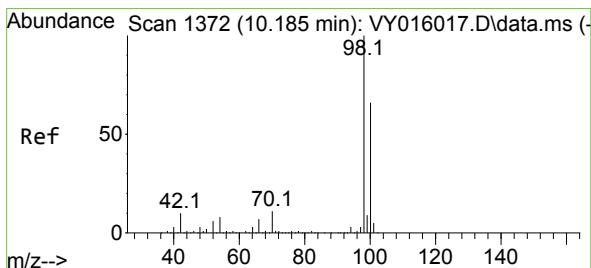
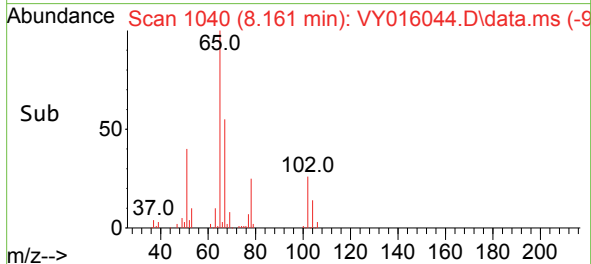
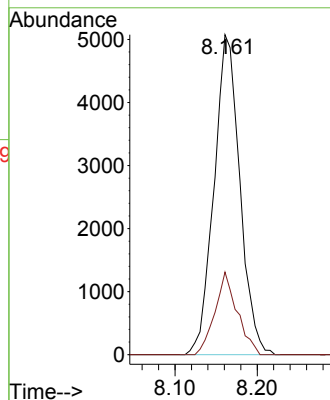
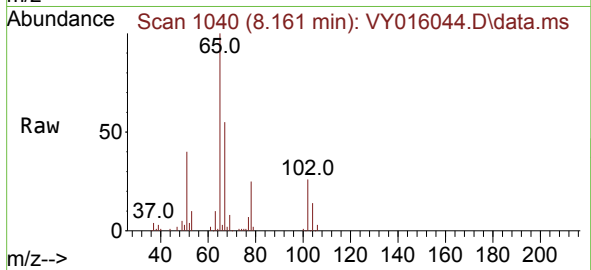




#40
Benzene
Concen: 1.650 ug/l
RT: 8.161 min Scan# 11069
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

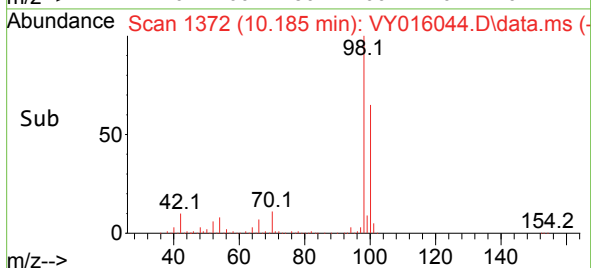
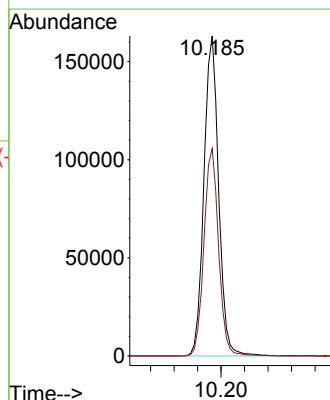
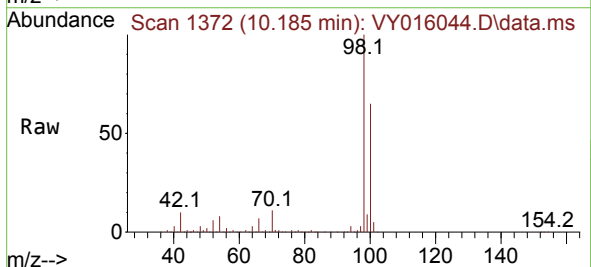
Instrument :
MSVOA_Y
ClientSampleId :

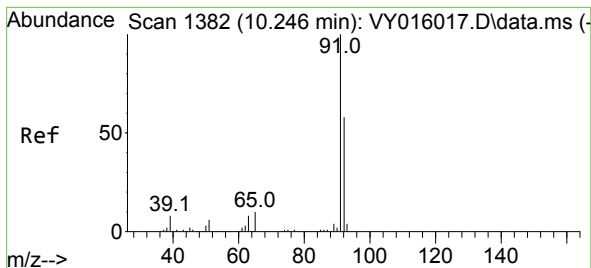
Tgt Ion: 78 Resp: 11069
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6



#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Tgt Ion: 98 Resp: 283497
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1





#52

Toluene

Concen: 1.134 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY016044.D

Acq: 19 Oct 2023 17:56

Instrument :

MSVOA_Y

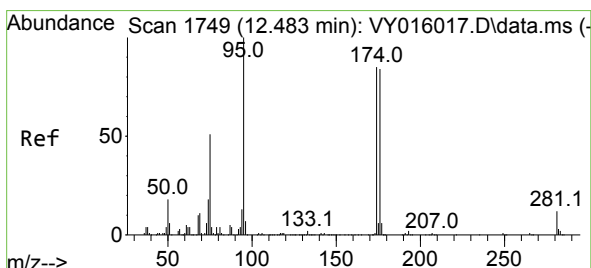
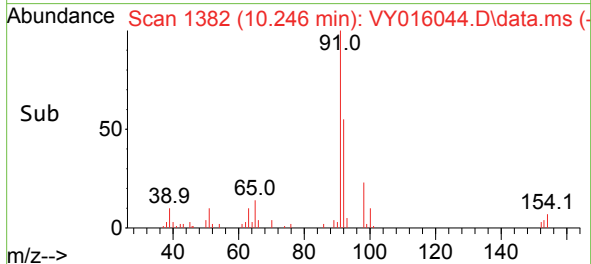
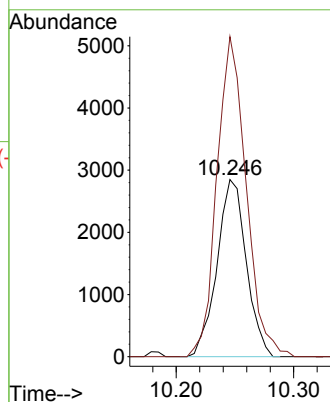
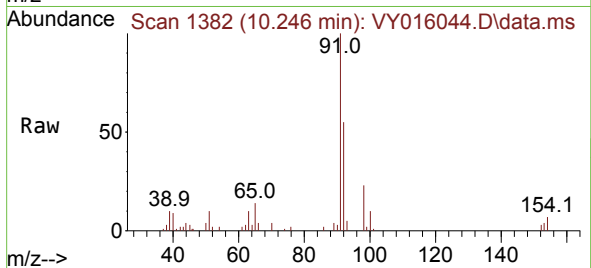
ClientSampleId :

Tgt Ion: 92 Resp: 4934

Ion Ratio Lower Upper

92 100

91 180.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 46.544 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY016044.D

Acq: 19 Oct 2023 17:56

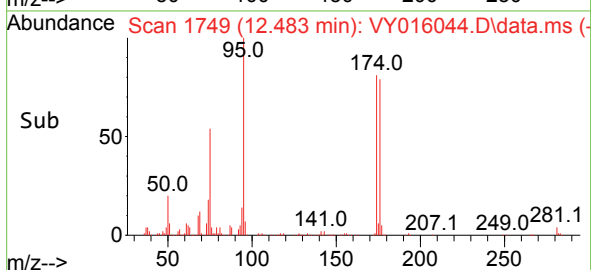
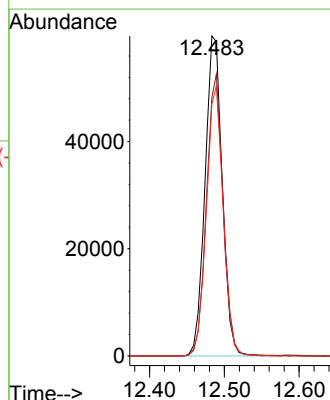
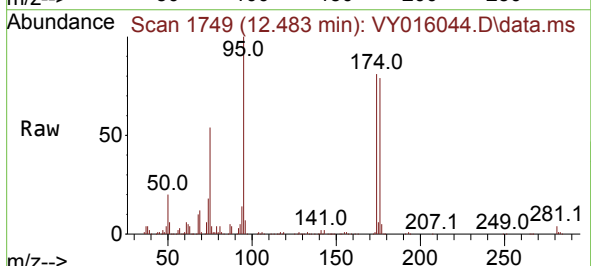
Tgt Ion: 95 Resp: 95446

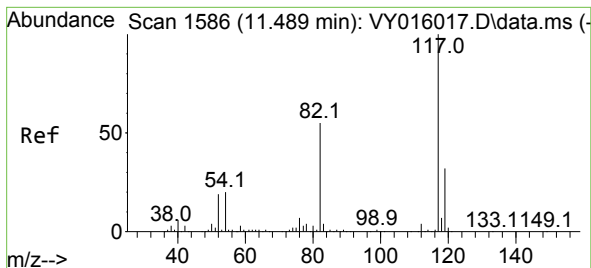
Ion Ratio Lower Upper

95 100

174 86.1 0.0 178.2

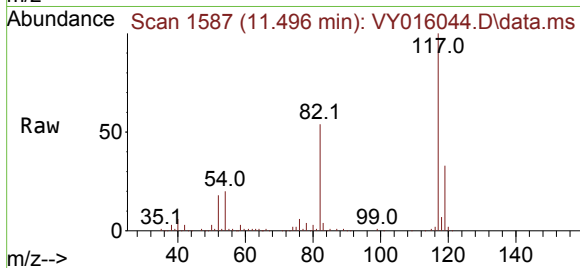
176 81.9 0.0 173.8



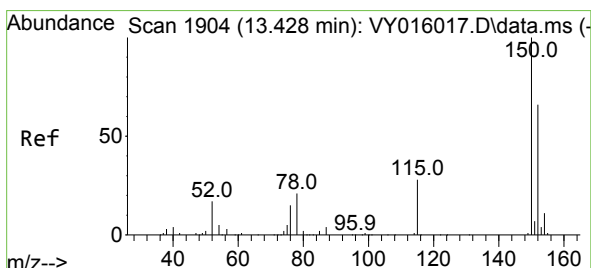
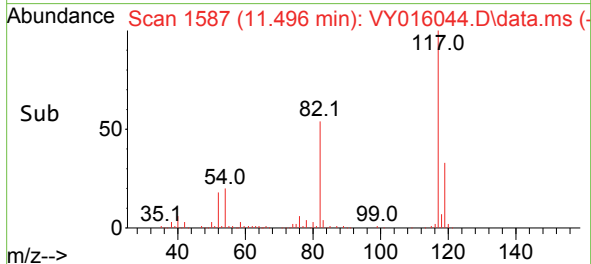
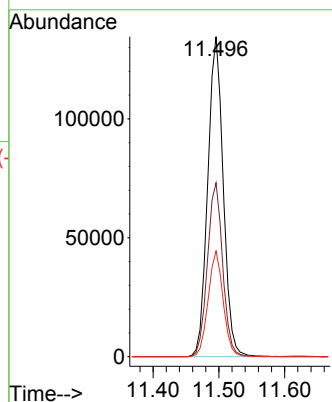


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Instrument :
MSVOA_Y
ClientSampleId :

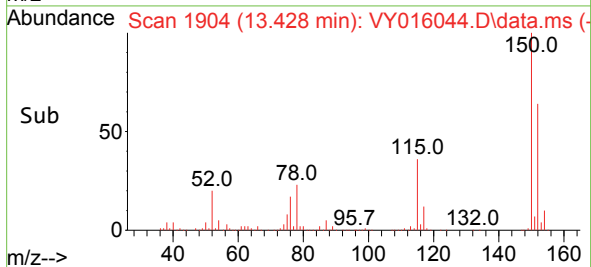
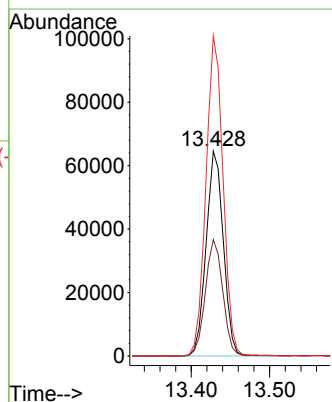
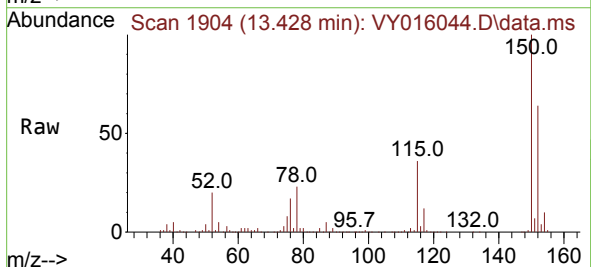


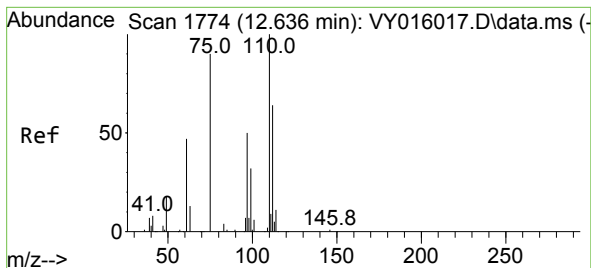
Tgt Ion:117 Resp: 220710
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 33.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY016044.D
Acq: 19 Oct 2023 17:56

Tgt Ion:152 Resp: 98526
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.5
150 155.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.208 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY016044.D

Acq: 19 Oct 2023 17:56

Instrument :

MSVOA_Y

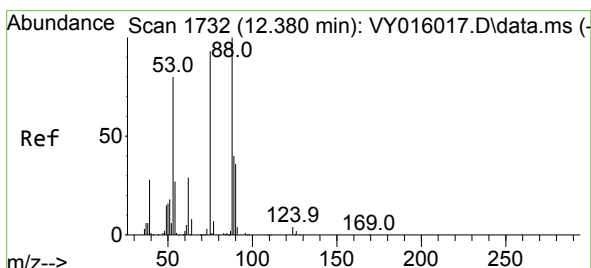
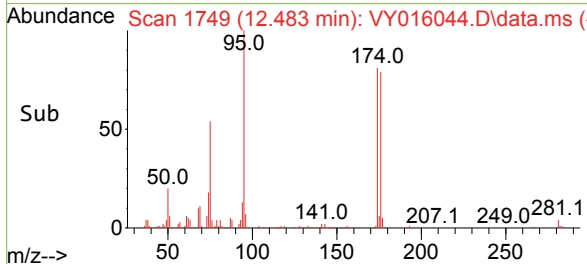
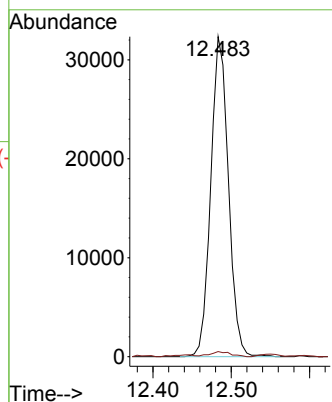
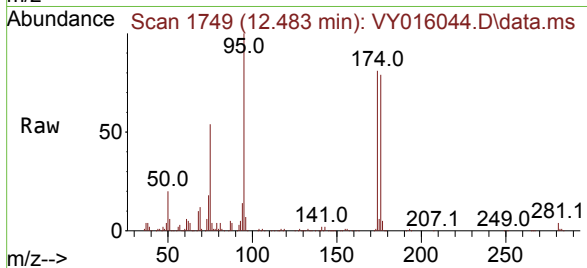
ClientSampleId :

Tgt Ion: 75 Resp: 50511

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.038 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY016044.D

Acq: 19 Oct 2023 17:56

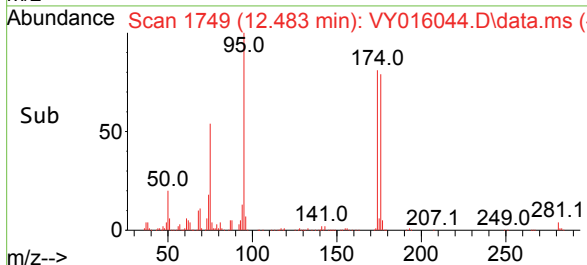
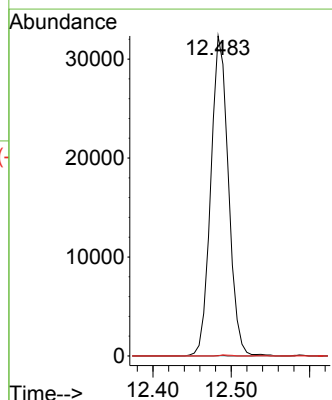
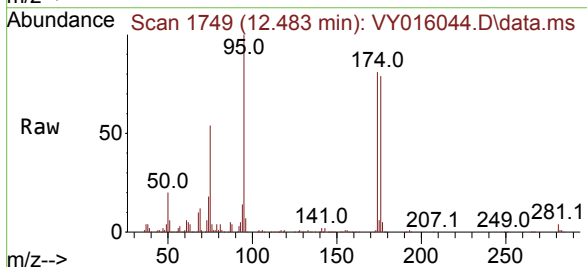
Tgt Ion: 75 Resp: 50511

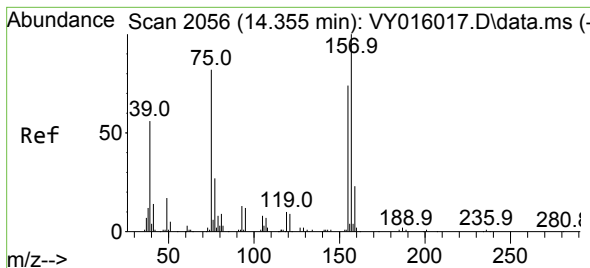
Ion Ratio Lower Upper

75 100

53 0.1 77.8 116.8#

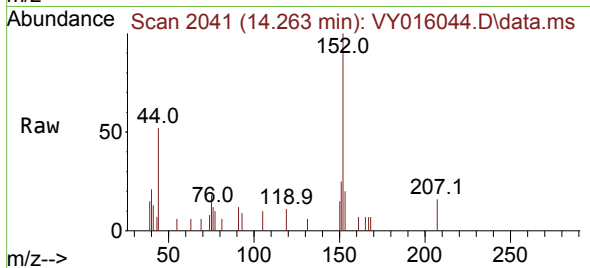
89 0.2 37.4 56.0#



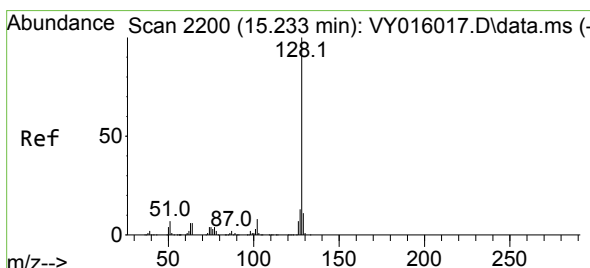
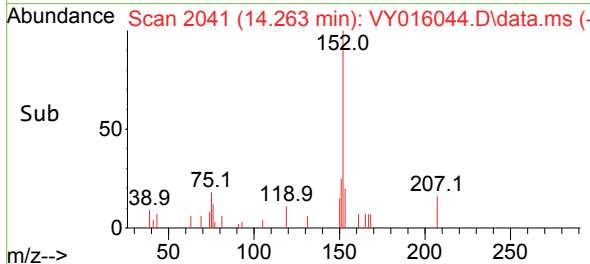
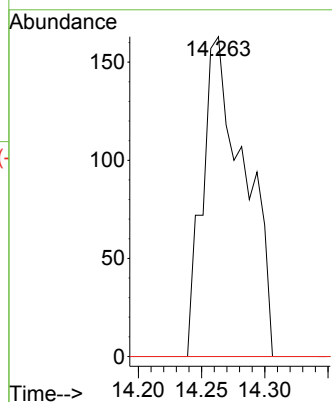


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.073 ug/l
 RT: 14.263 min Scan# 2056
 Delta R.T. -0.091 min
 Lab File: VY016044.D
 Acq: 19 Oct 2023 17:56

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 377
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.0 51.8 155.5#



#95
 Naphthalene
 Concen: 79.358 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.006 min
 Lab File: VY016044.D
 Acq: 19 Oct 2023 17:56

Tgt Ion: 128 Resp: 396525
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.8 16.2
 129 11.0 8.6 13.0

