

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016048.D
 Acq On : 19 Oct 2023 19:30
 Operator : SY/MD
 Sample : 04974-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 05:41:05 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)

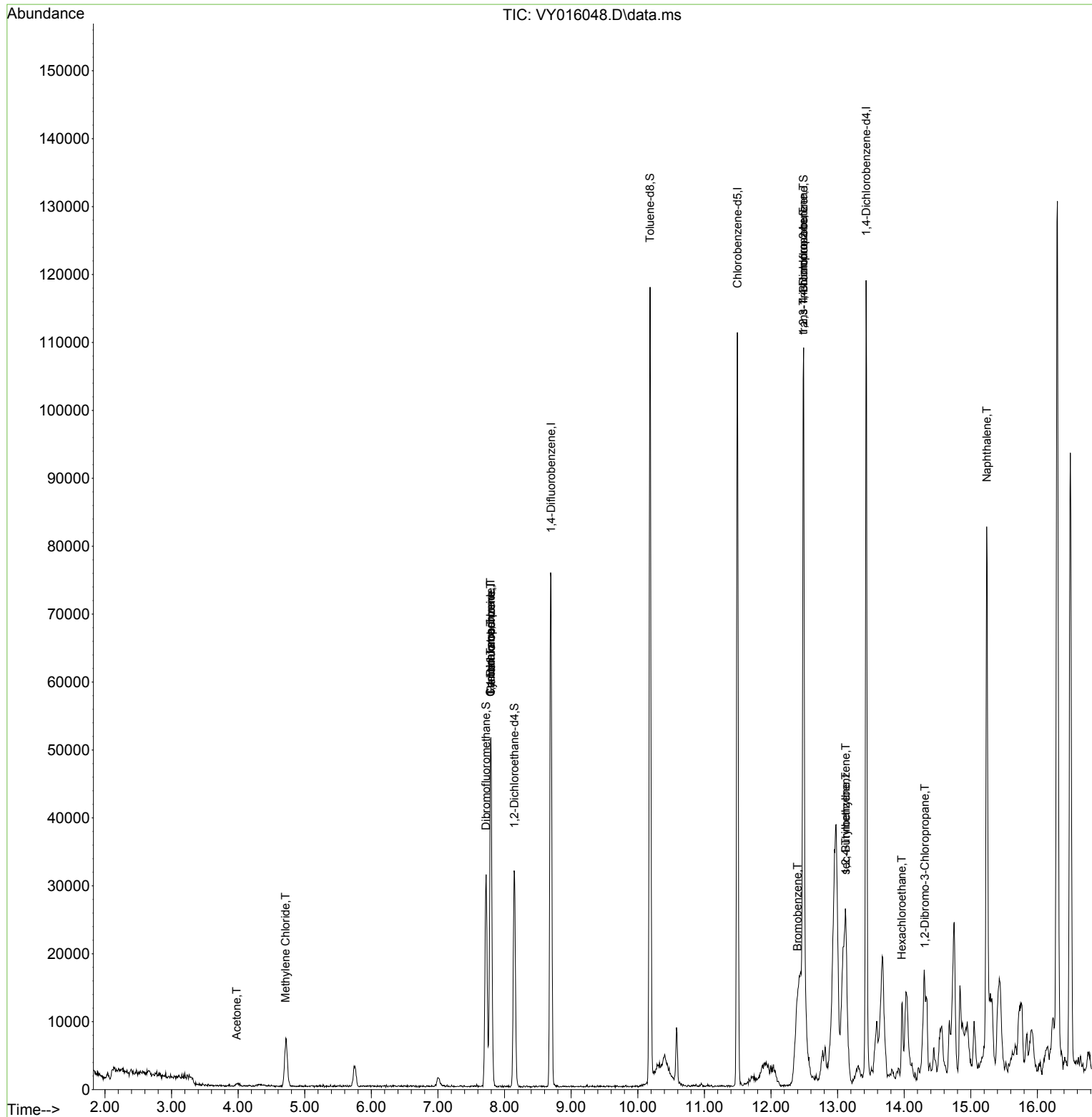
Internal Standards						
1) Pentafluorobenzene	7.795	168	41591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	67005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	61280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	30185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	26143	55.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.600%	
35) Dibromofluoromethane	7.722	113	22042	49.978	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.960%	
50) Toluene-d8	10.185	98	78215	48.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	12.489	95	27504	48.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.240%	
Target Compounds						
					Qvalue	
16) Acetone	3.979	43	855	4.879	ug/l	90
20) Methylene Chloride	4.710	84	5439	10.448	ug/l #	73
31) Cyclohexane	7.789	56	810	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	3207	4.833	ug/l #	48
38) Carbon Tetrachloride	7.789	117	4134	5.862	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	15085	35.296	ug/l #	100
77) Bromobenzene	12.398	156	8626	15.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	15085	77.047	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	3348	1.803	ug/l	97
85) sec-Butylbenzene	13.123	105	3348	1.367	ug/l #	56
90) Hexachloroethane	13.965	117	407	1.043	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.312	75	658	6.112	ug/l #	3
95) Naphthalene	15.239	128	67077	43.818	ug/l	98

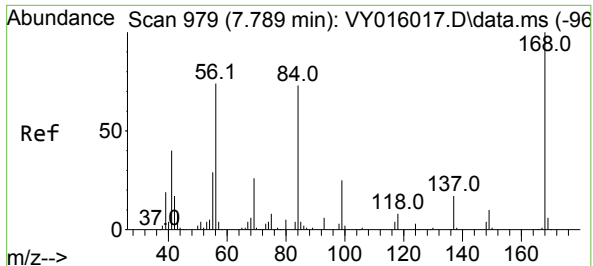
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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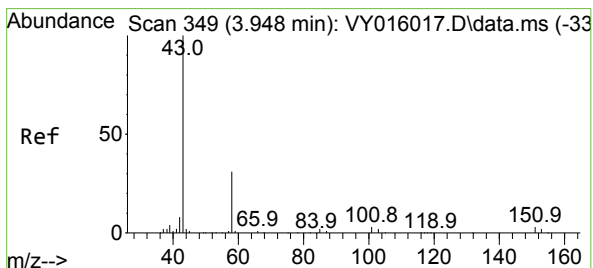
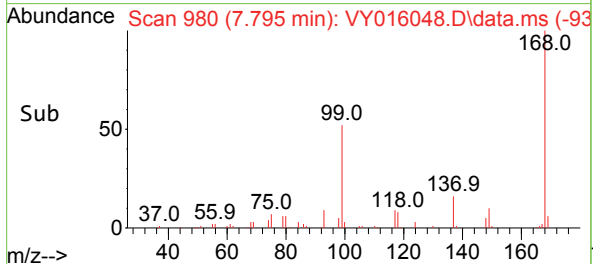
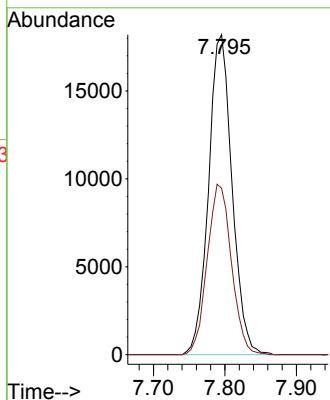
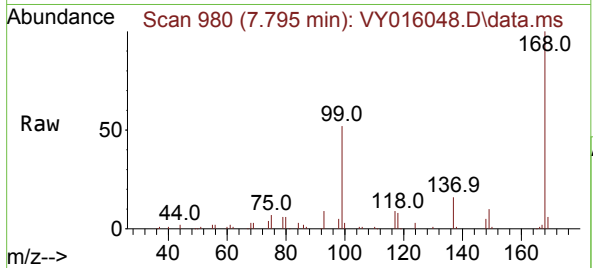




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

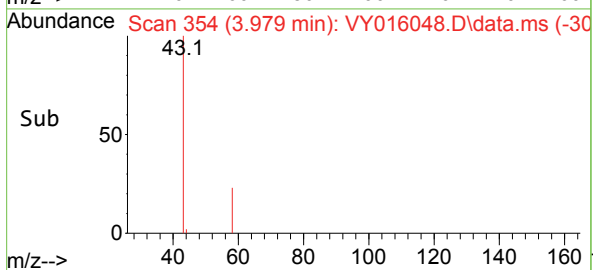
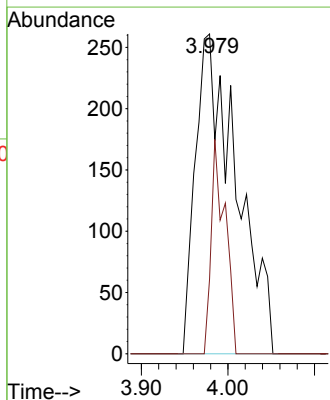
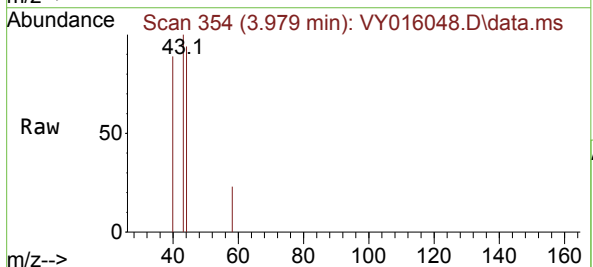
Instrument :
MSVOA_Y
ClientSampleId :

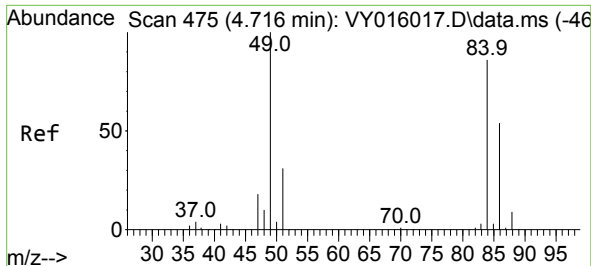
Tgt Ion:168 Resp: 41591
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#16
Acetone
Concen: 4.879 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.031 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

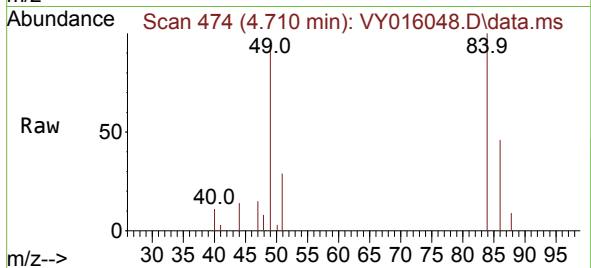
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 23.4 22.7 34.1



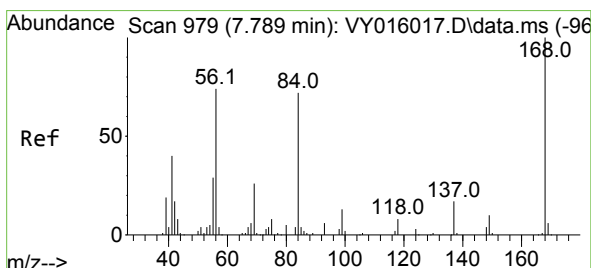
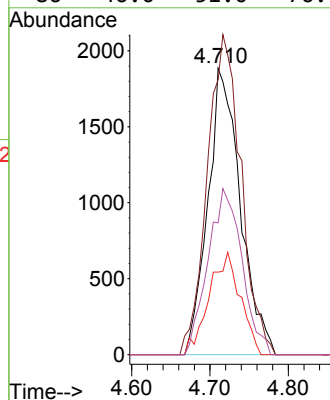
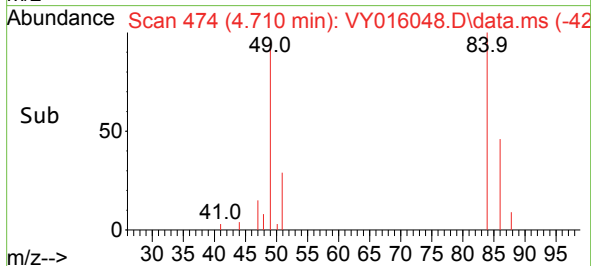


#20
Methylene Chloride
Concen: 10.448 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Instrument :
MSVOA_Y
ClientSampleId :

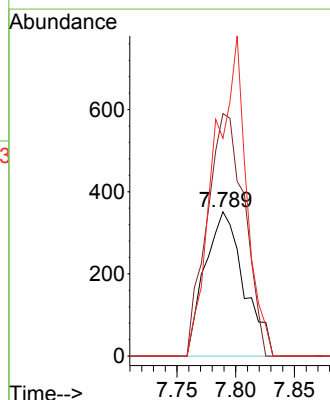
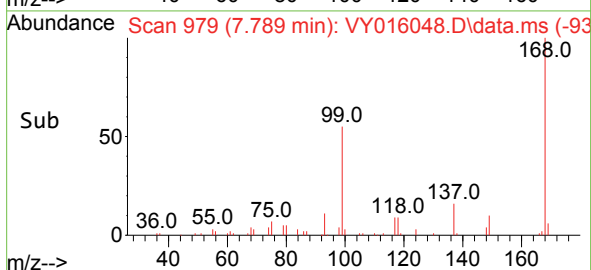
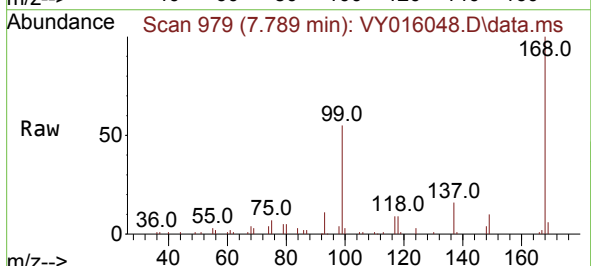


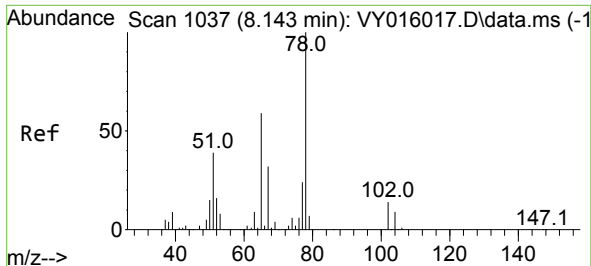
Tgt Ion:	84	Resp:	5439
Ion	Ratio	Lower	Upper
84	100		
49	96.0	106.9	160.3#
51	28.8	33.2	49.8#
86	46.0	51.0	76.6#



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Tgt Ion:	56	Resp:	810
Ion	Ratio	Lower	Upper
56	100		
69	168.1	27.8	41.6#
84	151.0	66.4	99.6#

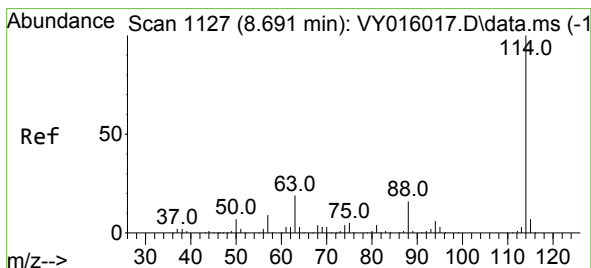
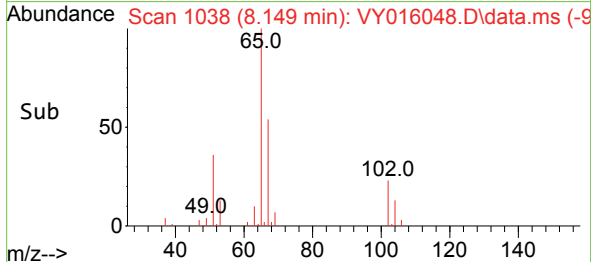
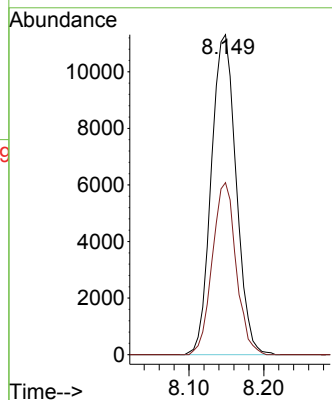
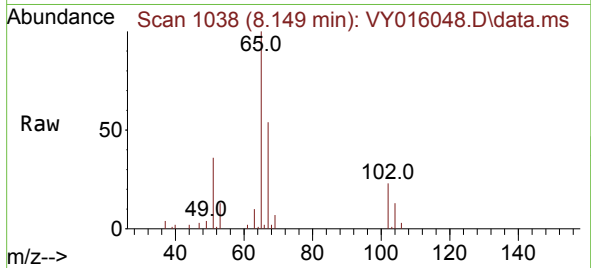




#33
 1,2-Dichloroethane-d4
 Concen: 55.304 ug/l
 RT: 8.149 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY016048.D
 Acq: 19 Oct 2023 19:30

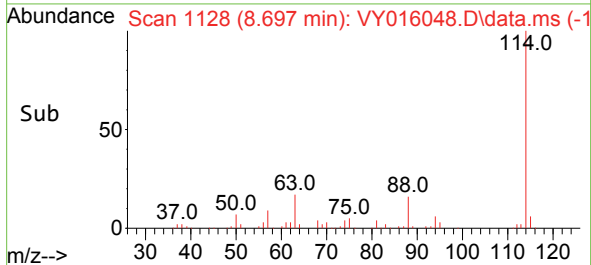
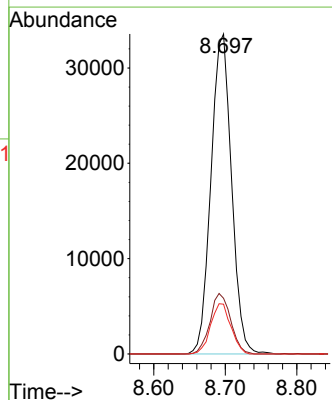
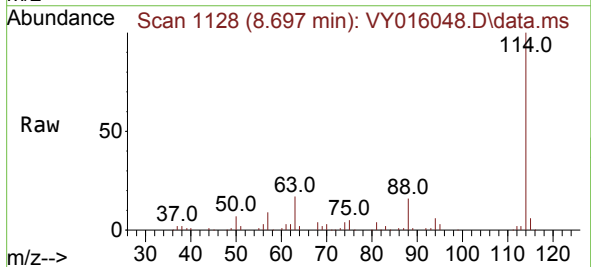
Instrument :
 MSVOA_Y
 ClientSampleId :

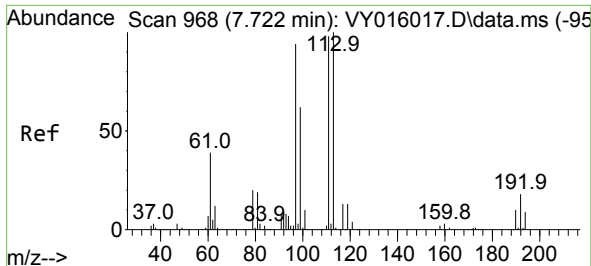
Tgt Ion: 65 Resp: 26143
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY016048.D
 Acq: 19 Oct 2023 19:30

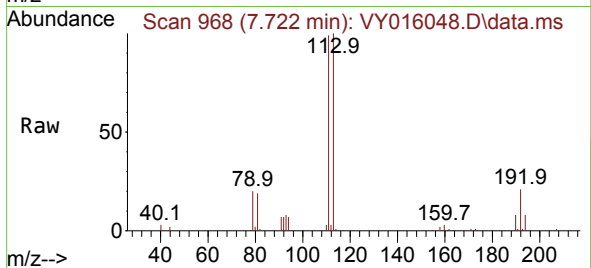
Tgt Ion: 114 Resp: 67005
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 42.4
 88 15.6 0.0 30.6



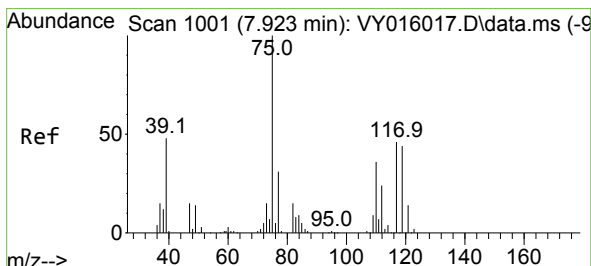
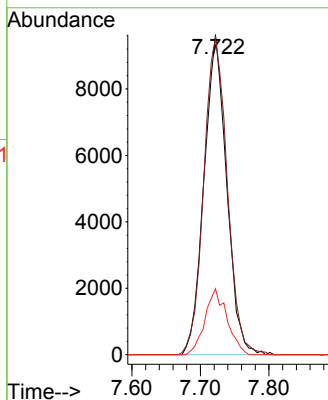
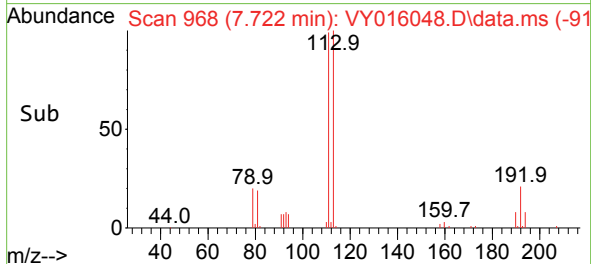


#35
Dibromofluoromethane
Concen: 49.978 ug/l
RT: 7.722 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

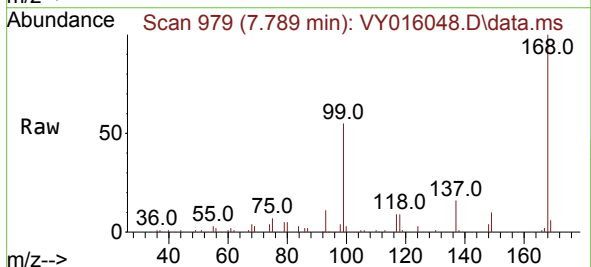
Instrument :
MSVOA_Y
ClientSampleId :



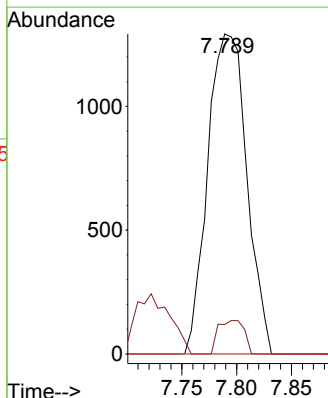
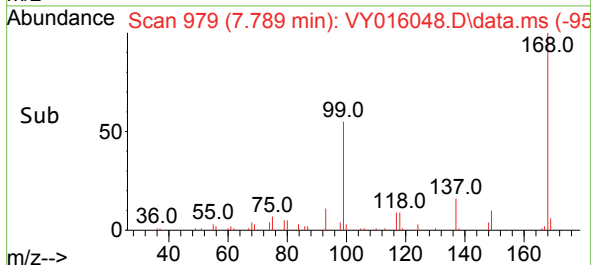
Tgt Ion:113 Resp: 22042
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 20.2 16.9 25.3

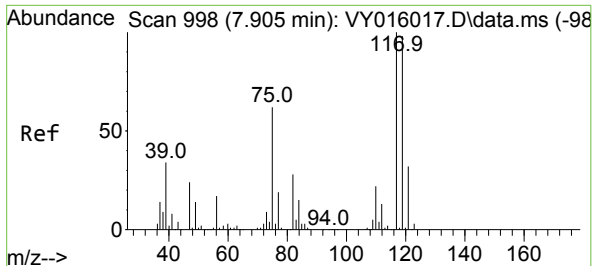


#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30



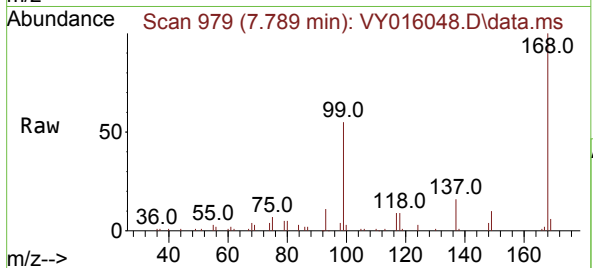
Tgt Ion: 75 Resp: 3207
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 24.4 36.6#



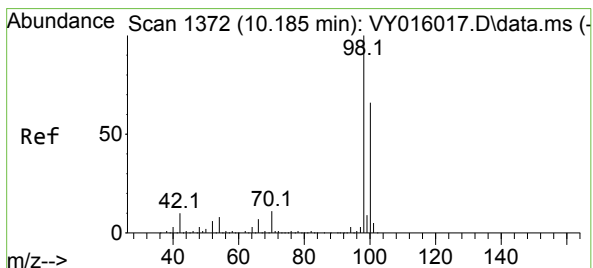
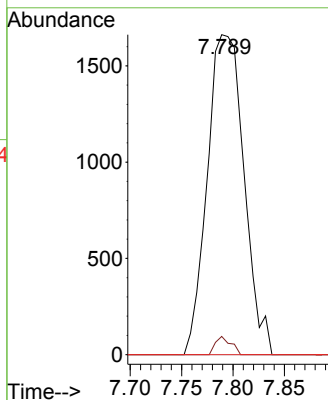
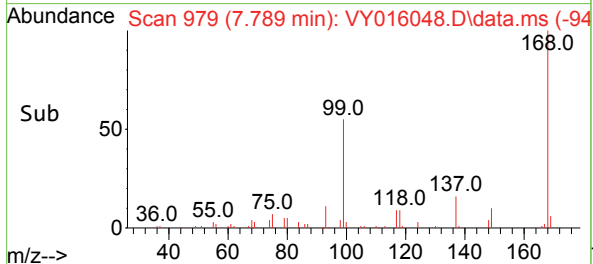


#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Instrument :
MSVOA_Y
ClientSampleId :

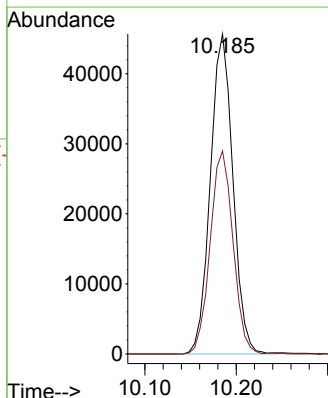
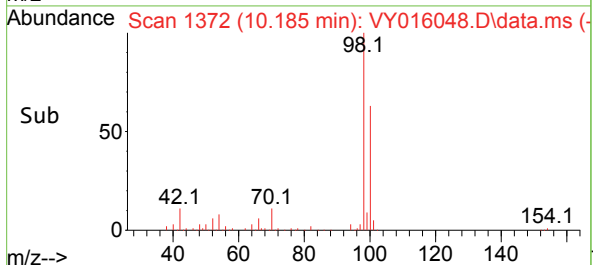
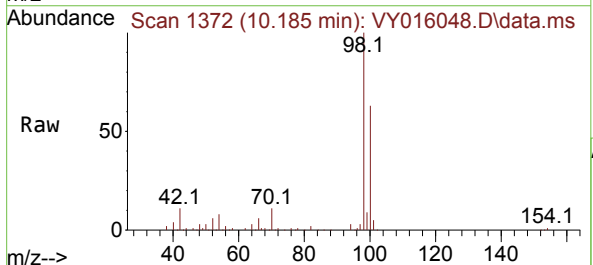


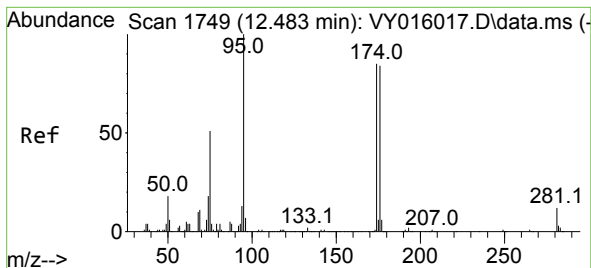
Tgt Ion:117 Resp: 4134
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Tgt Ion: 98 Resp: 78215
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1

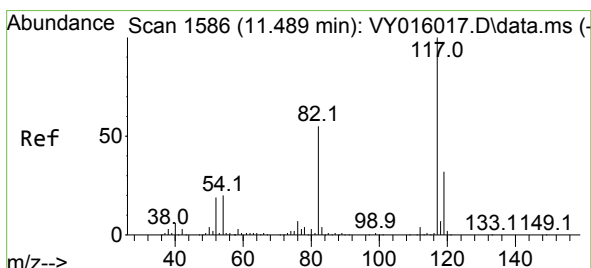
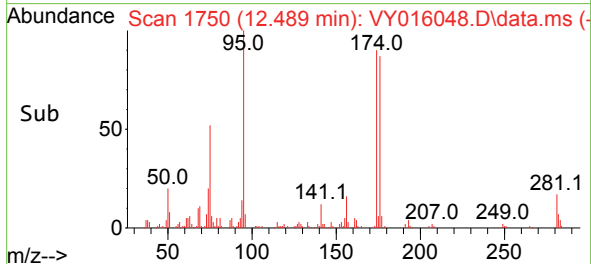
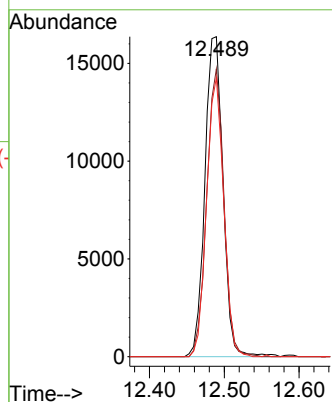
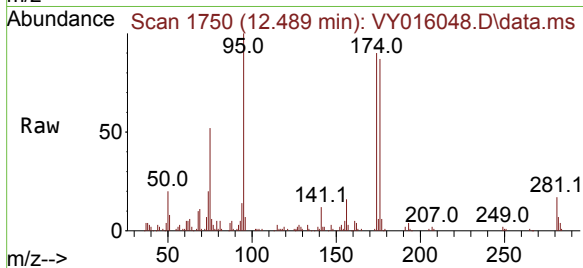




#62
4-Bromofluorobenzene
Concen: 48.123 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

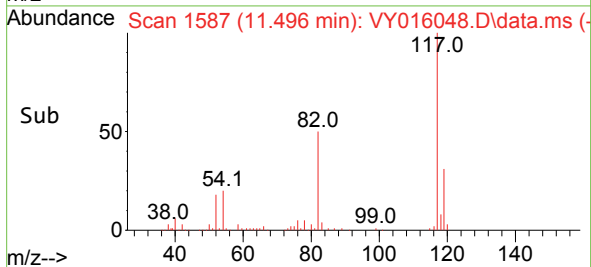
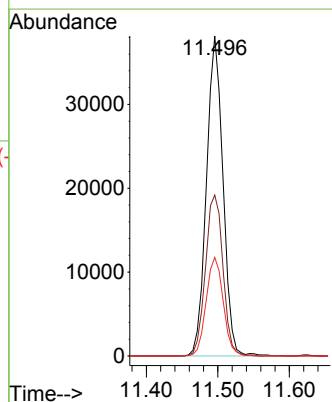
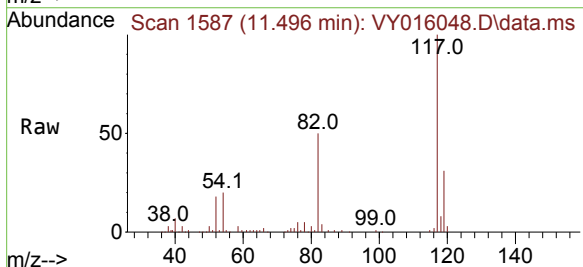
Instrument :
MSVOA_Y
ClientSampleId :

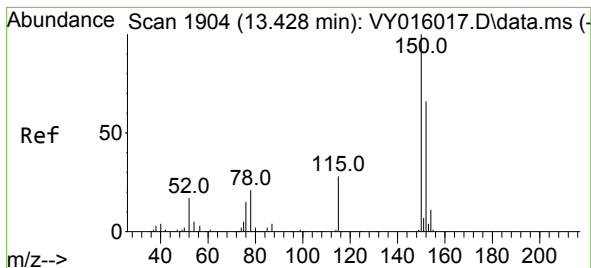
Tgt Ion:	95	Resp:	27504
Ion Ratio	Lower	Upper	
95	100		
174	85.7	0.0	178.2
176	82.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Tgt Ion:	117	Resp:	61280
Ion Ratio	Lower	Upper	
117	100		
82	50.3	43.4	65.0
119	30.8	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

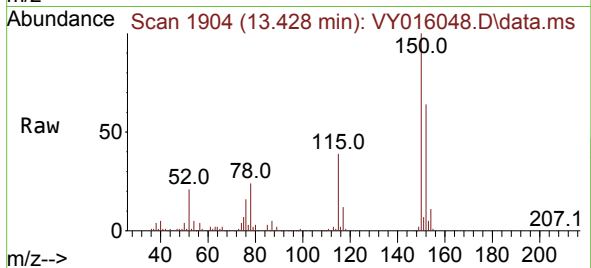
Lab File: VY016048.D

Acq: 19 Oct 2023 19:30

Instrument :

MSVOA_Y

ClientSampleId :



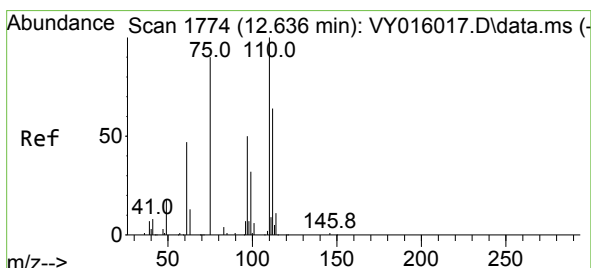
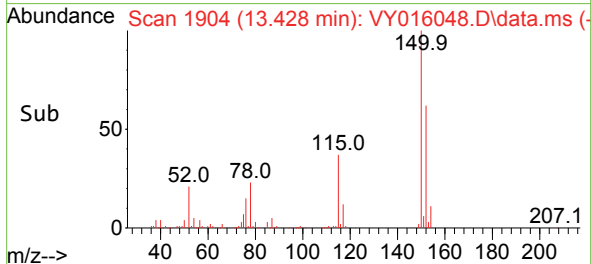
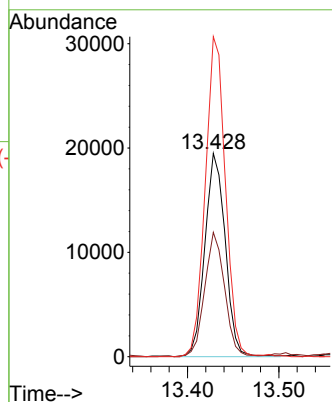
Tgt Ion:152 Resp: 30185

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.296 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY016048.D

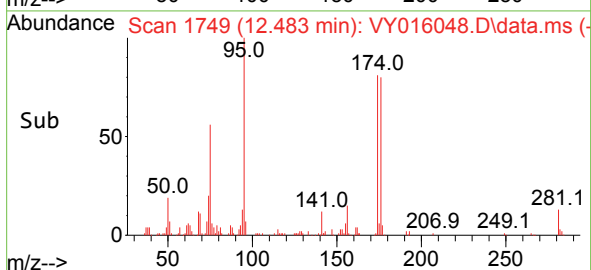
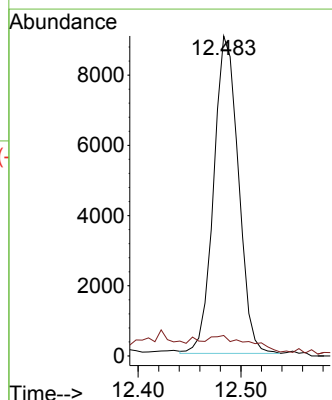
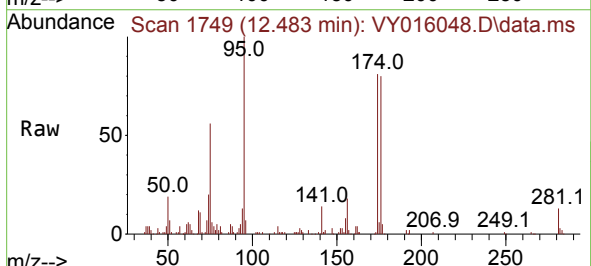
Acq: 19 Oct 2023 19:30

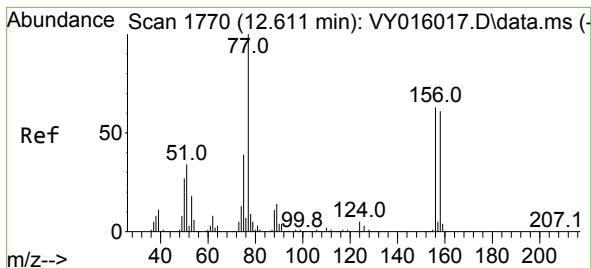
Tgt Ion: 75 Resp: 15085

Ion Ratio Lower Upper

75 100

77 7.9 0.0 0.0#





#77

Bromobenzene

Concen: 15.740 ug/l

RT: 12.398 min Scan# 1

Delta R.T. -0.213 min

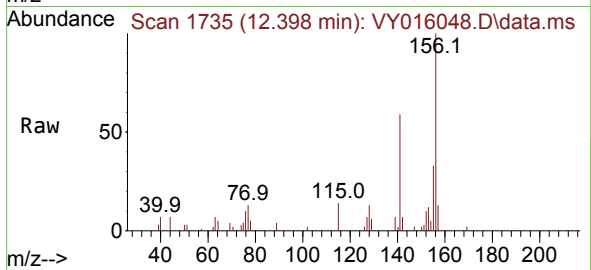
Lab File: VY016048.D

Acq: 19 Oct 2023 19:30

Instrument :

MSVOA_Y

ClientSampleId :



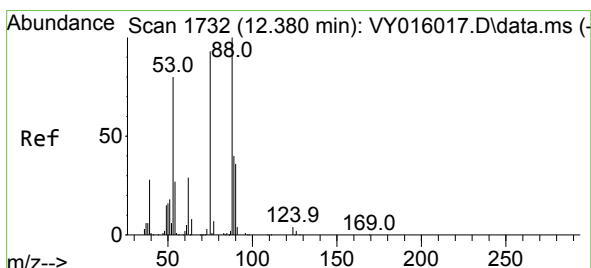
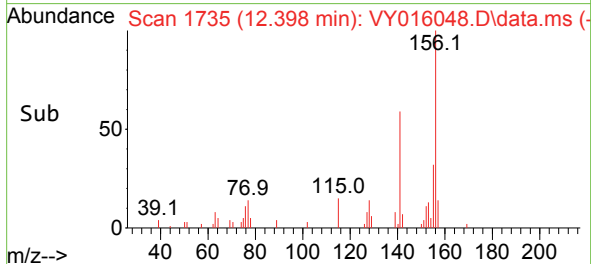
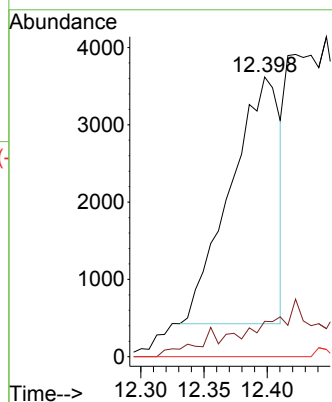
Tgt Ion:156 Resp: 8626

Ion Ratio Lower Upper

156 100

77 0.0 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.047 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY016048.D

Acq: 19 Oct 2023 19:30

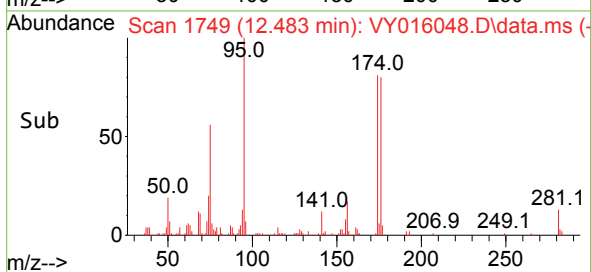
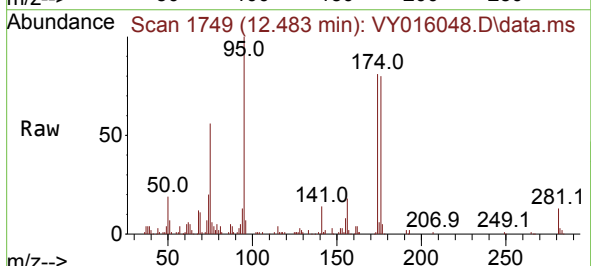
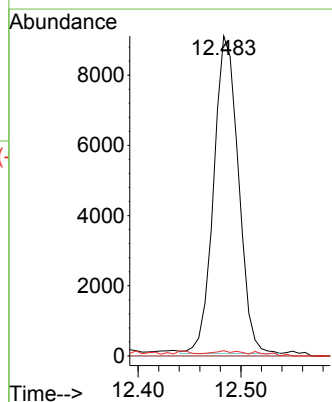
Tgt Ion: 75 Resp: 15085

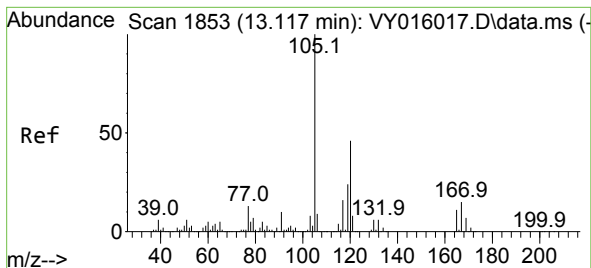
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 1.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.803 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016048.D

Acq: 19 Oct 2023 19:30

Instrument :

MSVOA_Y

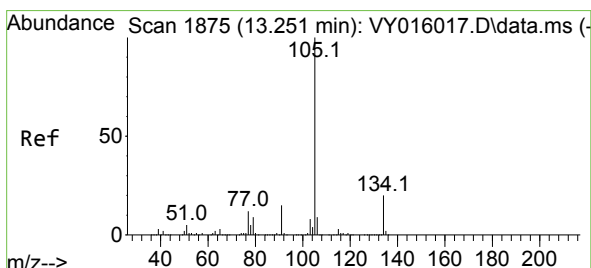
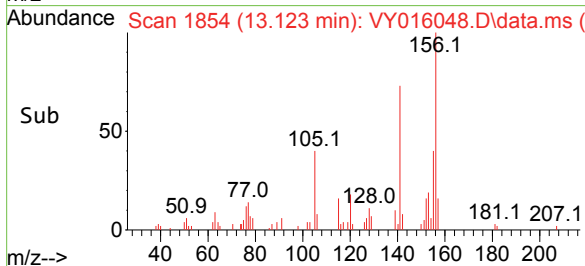
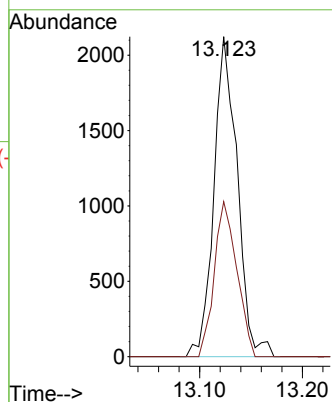
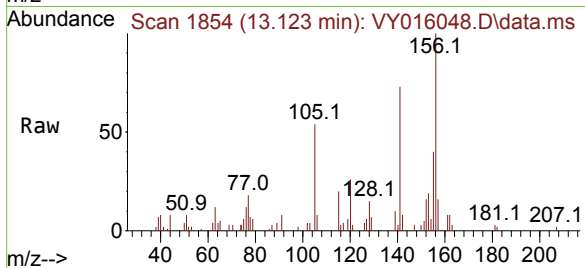
ClientSampleId :

Tgt Ion:105 Resp: 3348

Ion Ratio Lower Upper

105 100

120 46.7 22.2 66.6



#85

sec-Butylbenzene

Concen: 1.367 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY016048.D

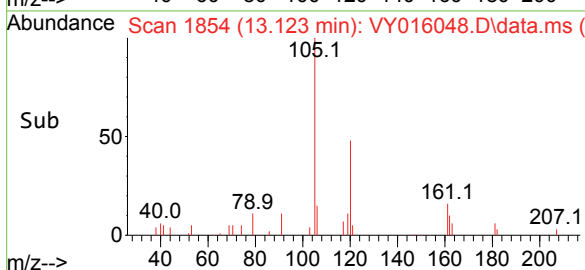
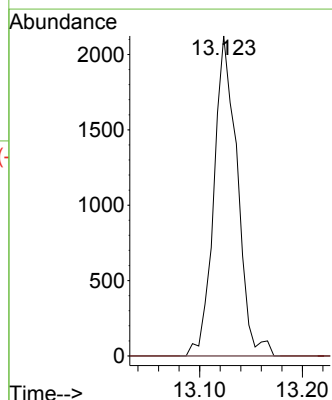
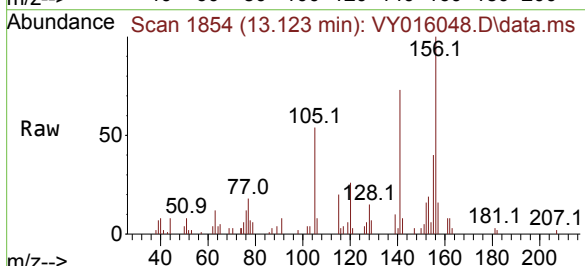
Acq: 19 Oct 2023 19:30

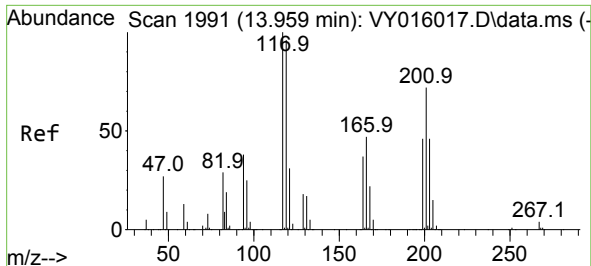
Tgt Ion:105 Resp: 3348

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#

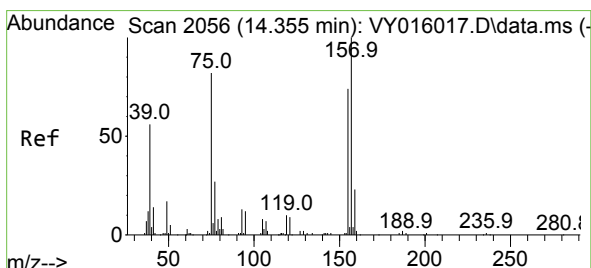
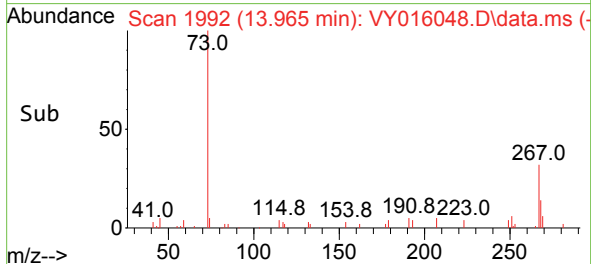
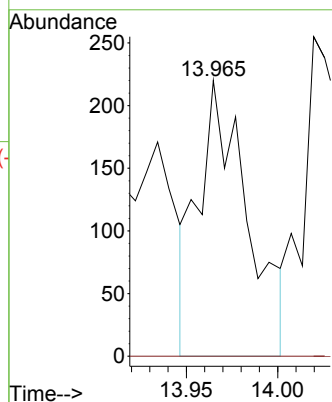
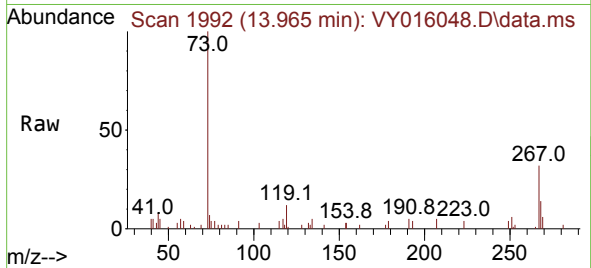




#90
Hexachloroethane
Concen: 1.043 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

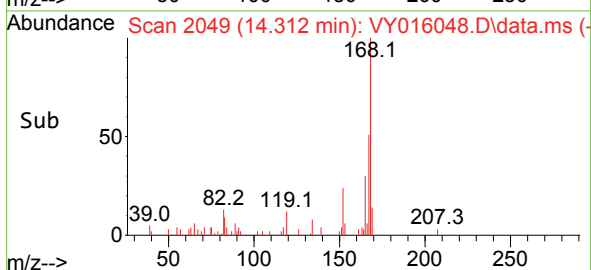
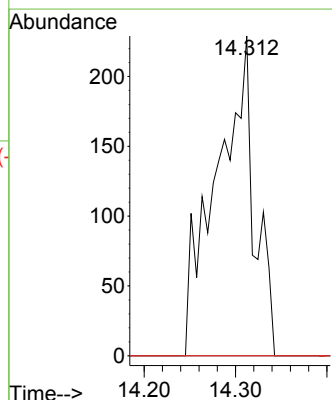
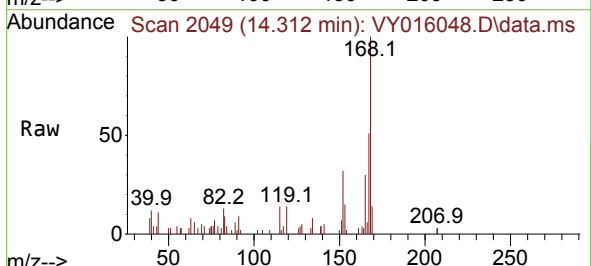
Instrument :
MSVOA_Y
ClientSampleId :

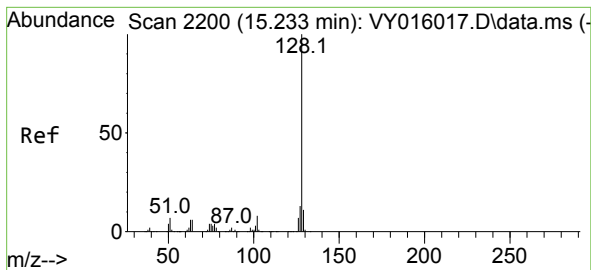
Tgt Ion:117 Resp: 407
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.112 ug/l
RT: 14.312 min Scan# 2049
Delta R.T. -0.043 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

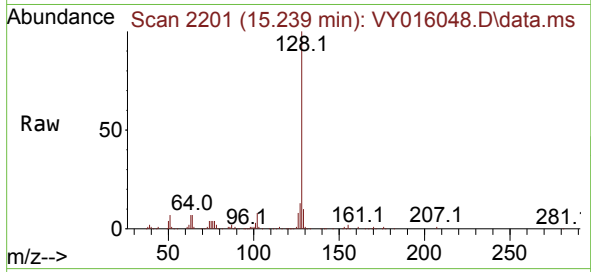
Tgt Ion: 75 Resp: 658
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 43.818 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016048.D
Acq: 19 Oct 2023 19:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 67077
Ion Ratio Lower Upper
128 100
127 12.4 10.8 16.2
129 10.7 8.6 13.0

