

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016026.D
 Acq On : 18 Oct 2023 17:42
 Operator : SY/MD
 Sample : 04935-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 19 03:27:00 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)

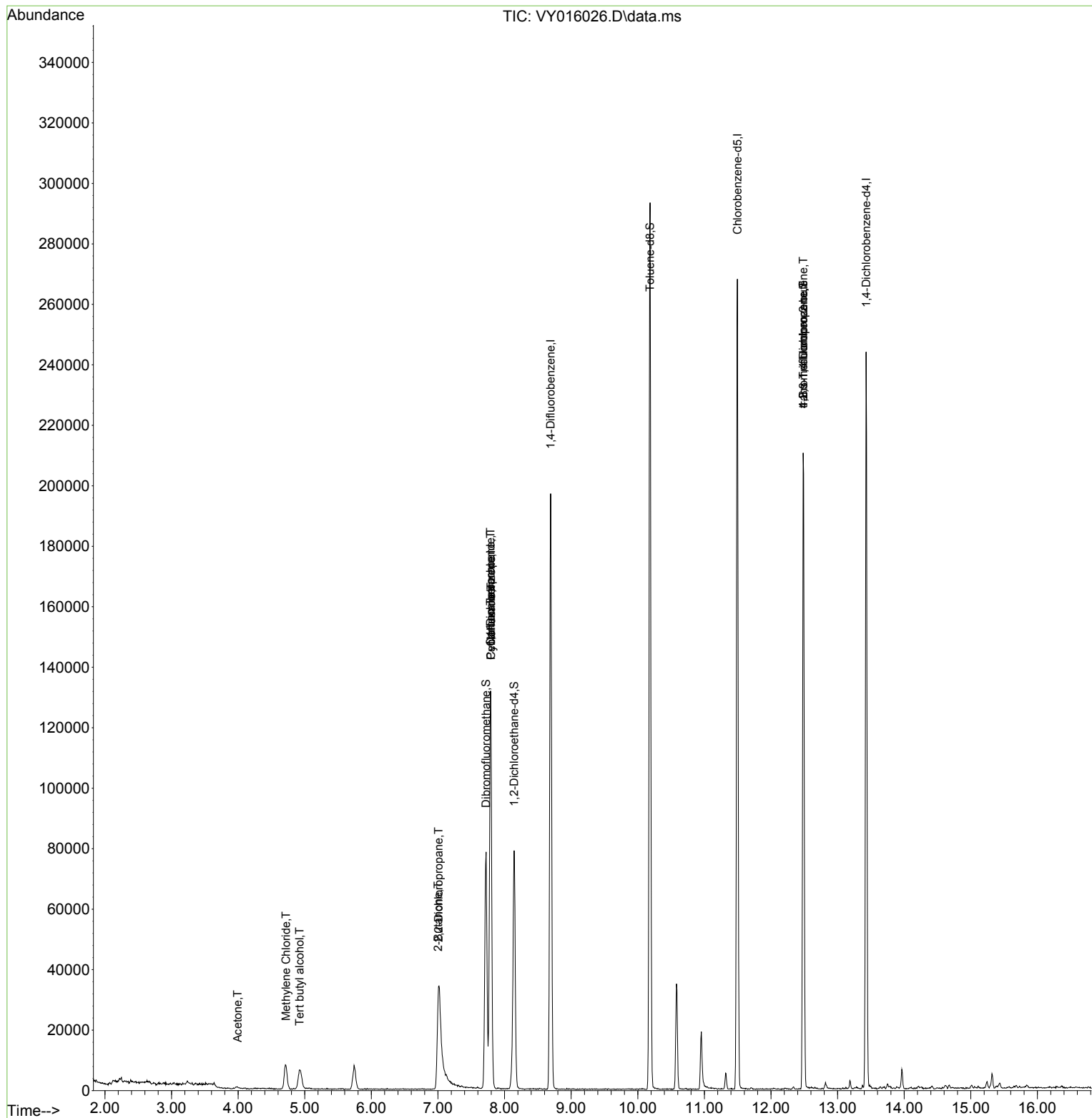
Internal Standards						
1) Pentafluorobenzene	7.795	168	105085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170756	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	147520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60415	50.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.160%	
35) Dibromofluoromethane	7.722	113	55531	49.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.820%	
50) Toluene-d8	10.185	98	195979	48.011	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.483	95	60165	41.308	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	6691	36.291	ug/l #	91
16) Acetone	3.991	43	1562	3.528	ug/l	98
20) Methylene Chloride	4.716	84	6148	4.674	ug/l	90
25) 2-Butanone	7.003	43	962	1.586	ug/l #	86
26) 2,2-Dichloropropane	7.009	77	3760	2.052	ug/l #	54
31) Cyclohexane	7.795	56	2096	1.121	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	8497	5.025	ug/l #	49
38) Carbon Tetrachloride	7.789	117	10323	5.744	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	31541	35.304	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31541	77.065	ug/l #	11

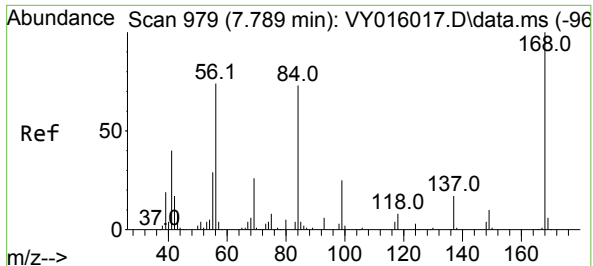
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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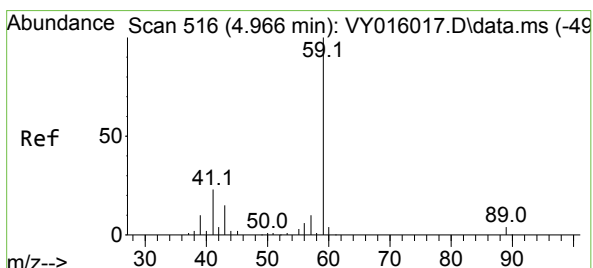
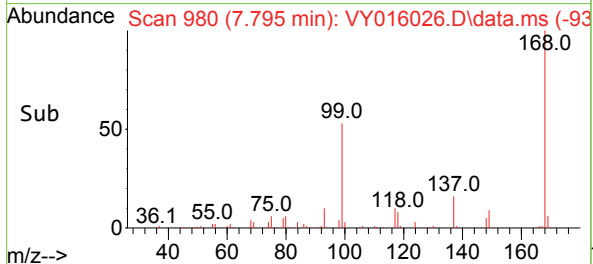
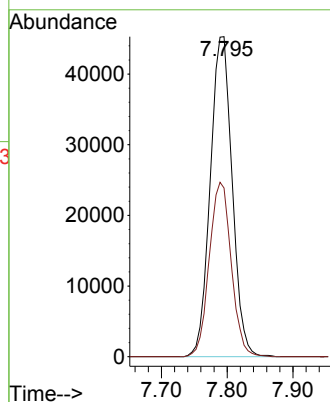
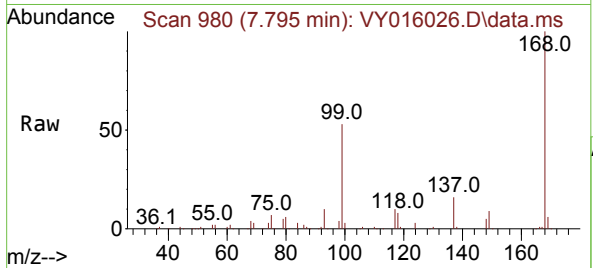




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

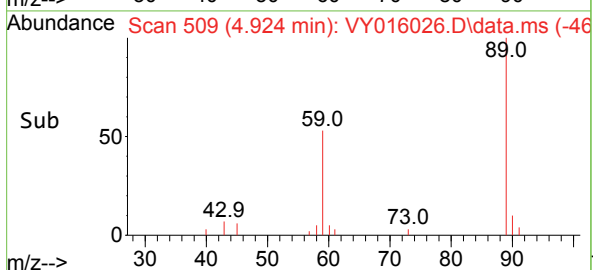
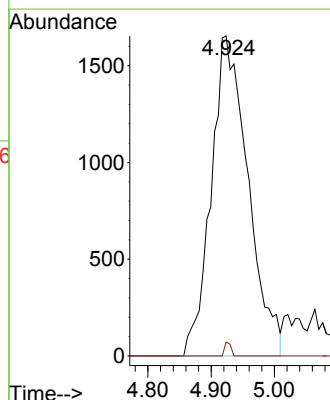
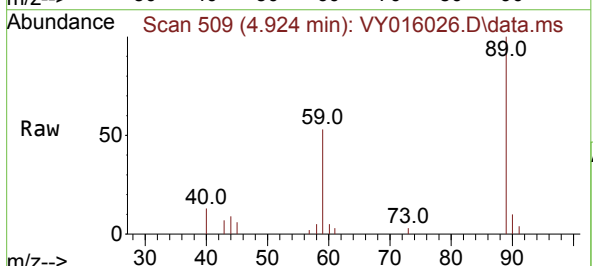
Instrument :
MSVOA_Y
ClientSampleId :

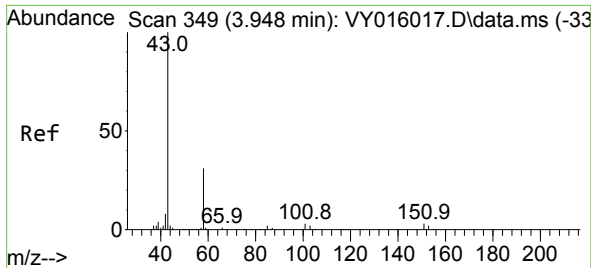
Tgt Ion:168 Resp: 105085
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 36.291 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Tgt Ion: 59 Resp: 6691
Ion Ratio Lower Upper
59 100
57 0.7 3.0 4.4#





#16

Acetone

Concen: 3.528 ug/l

RT: 3.991 min Scan# 3

Delta R.T. 0.043 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

Instrument :

MSVOA_Y

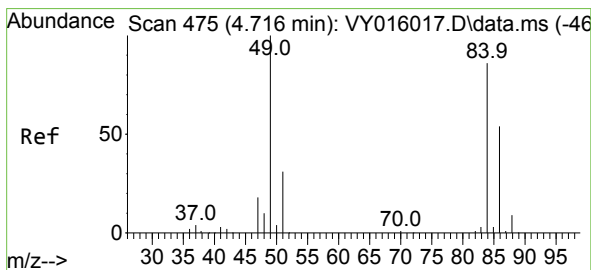
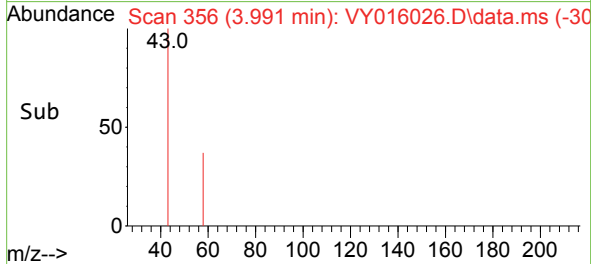
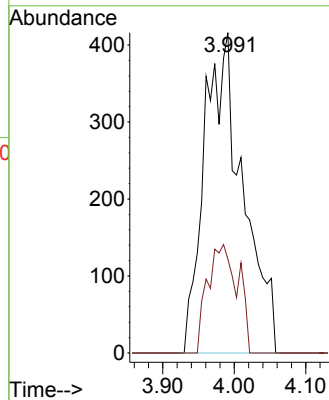
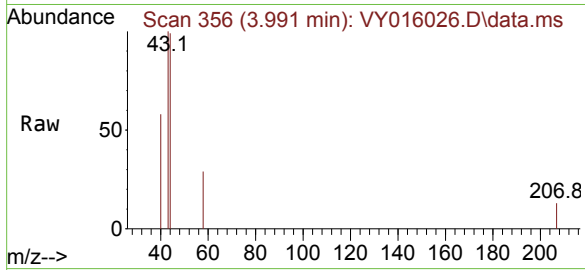
ClientSampleId :

Tgt Ion: 43 Resp: 1562

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1



#20

Methylene Chloride

Concen: 4.674 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

Tgt Ion: 84 Resp: 6148

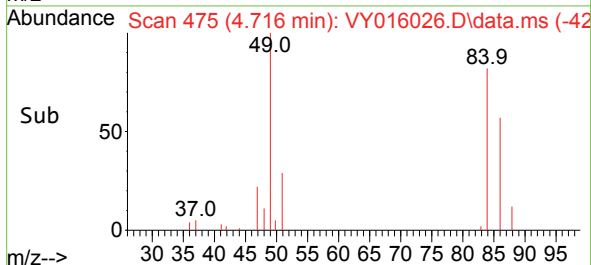
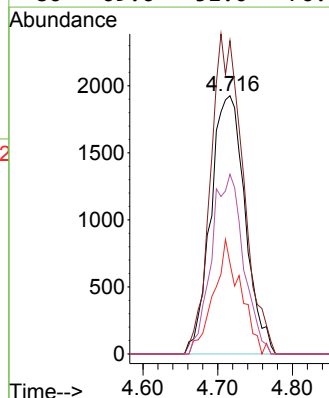
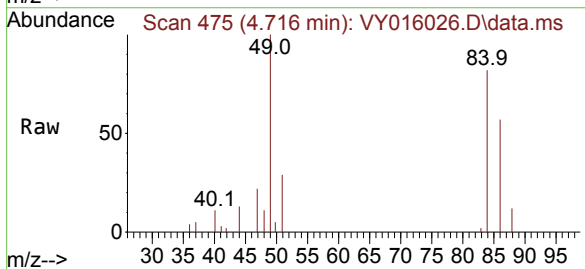
Ion Ratio Lower Upper

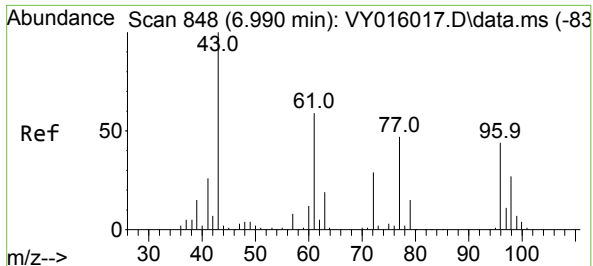
84 100

49 121.3 106.9 160.3

51 35.1 33.2 49.8

86 69.6 51.0 76.6





#25

2-Butanone

Concen: 1.586 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

Instrument :

MSVOA_Y

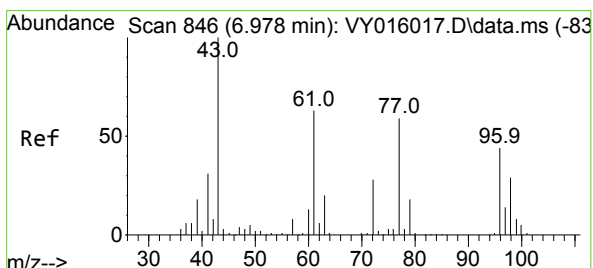
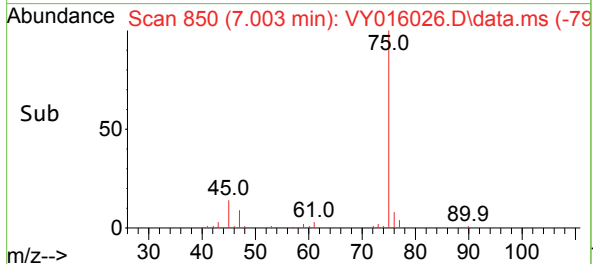
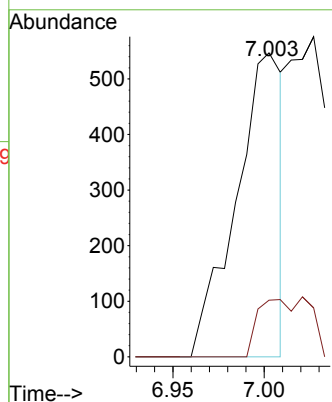
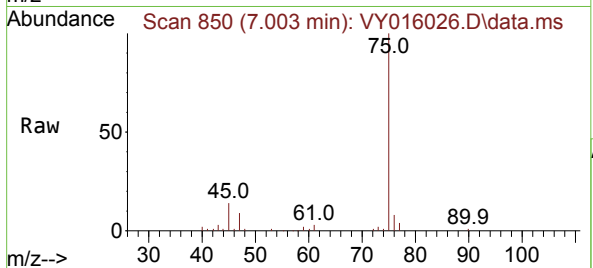
ClientSampleId :

Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

72 18.6 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.052 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.031 min

Lab File: VY016026.D

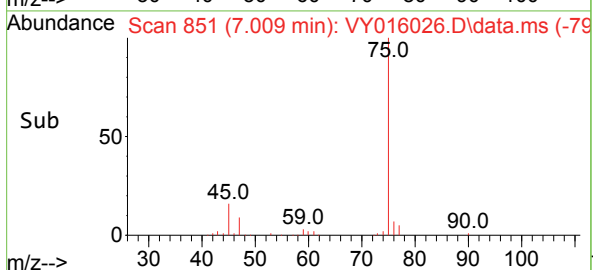
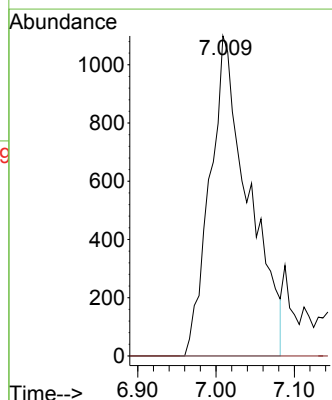
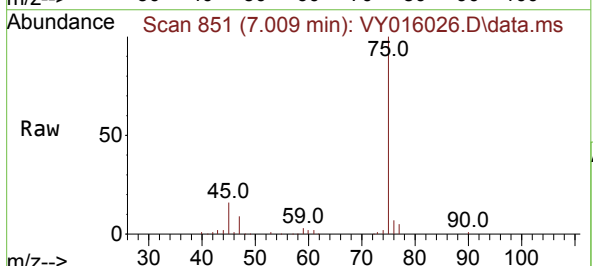
Acq: 18 Oct 2023 17:42

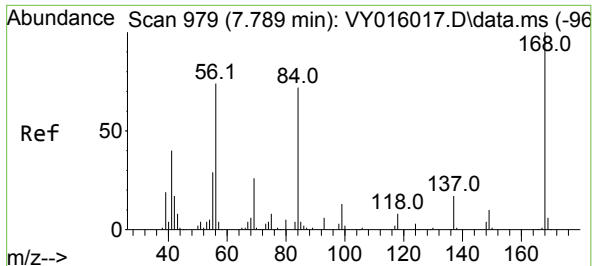
Tgt Ion: 77 Resp: 3760

Ion Ratio Lower Upper

77 100

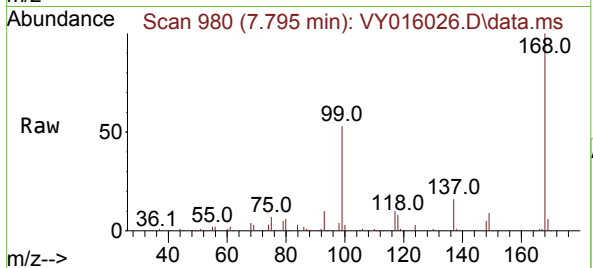
97 0.0 10.9 32.9#



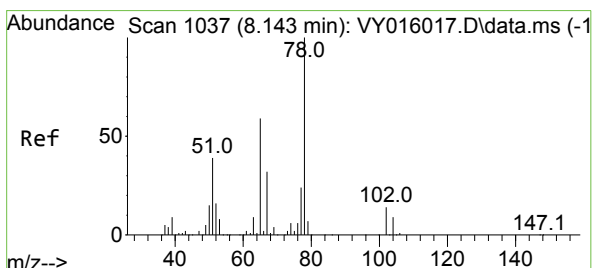
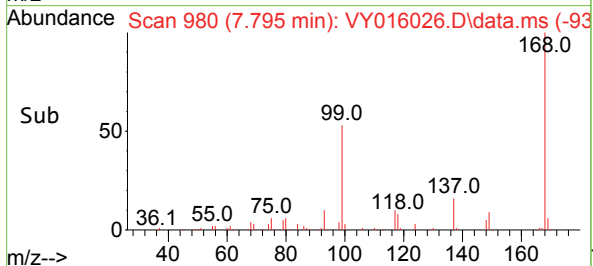
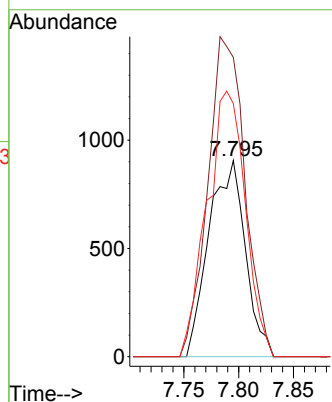


#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

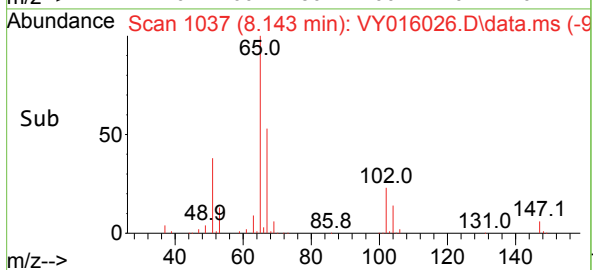
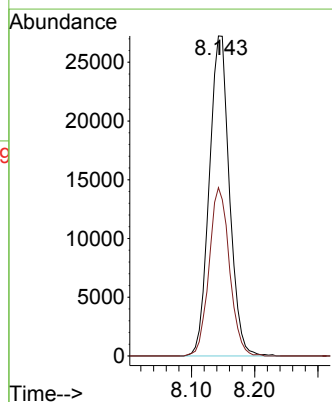
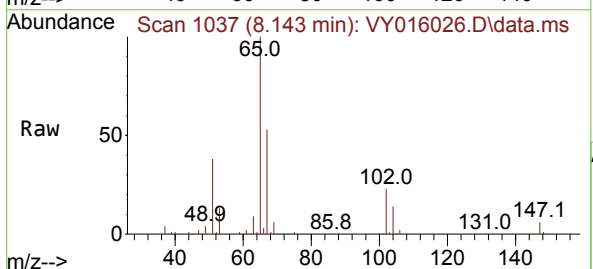


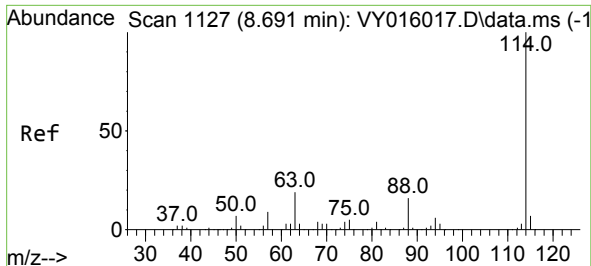
Tgt Ion: 56 Resp: 2096
Ion Ratio Lower Upper
56 100
69 152.6 27.8 41.6#
84 129.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.583 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Tgt Ion: 65 Resp: 60415
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8

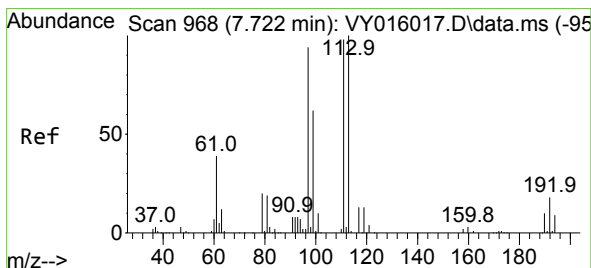
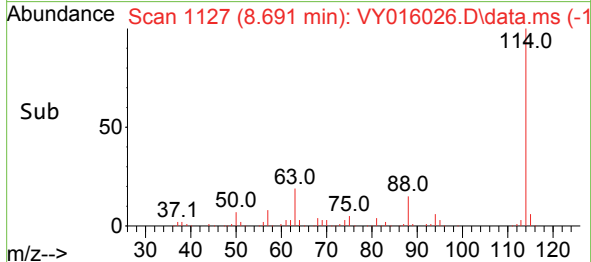
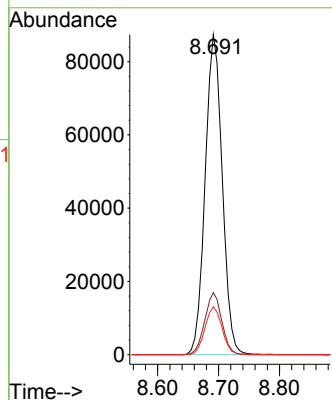
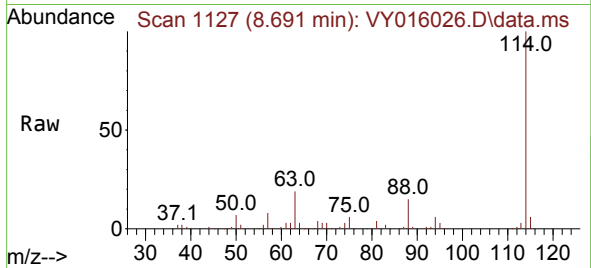




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

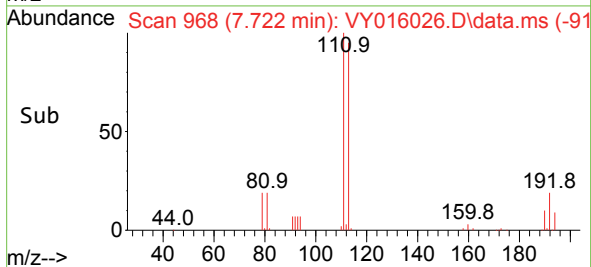
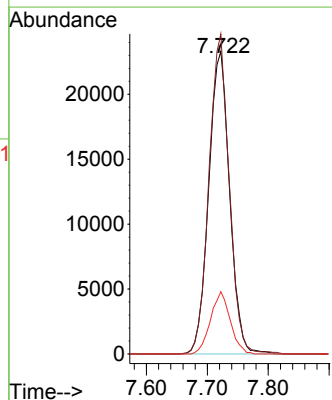
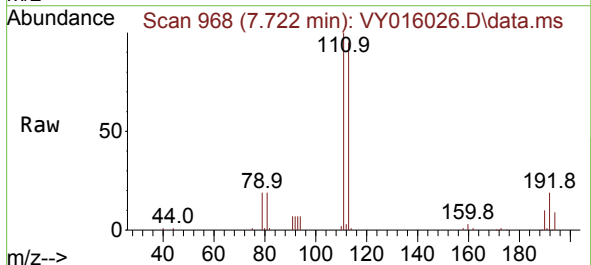
Instrument :
MSVOA_Y
ClientSampleId :

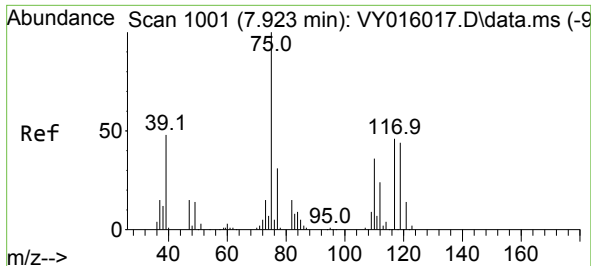
Tgt Ion:114 Resp: 170756
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.408 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Tgt Ion:113 Resp: 55531
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.4 16.9 25.3

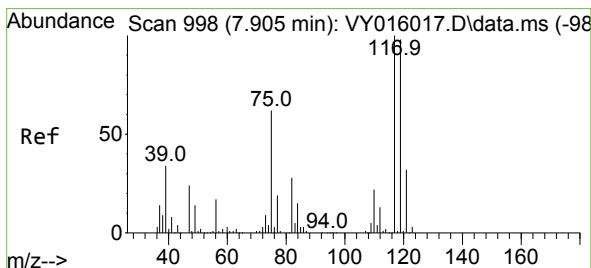
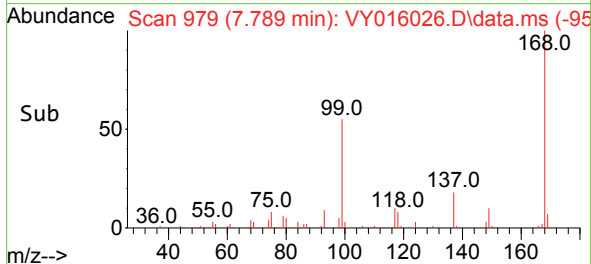
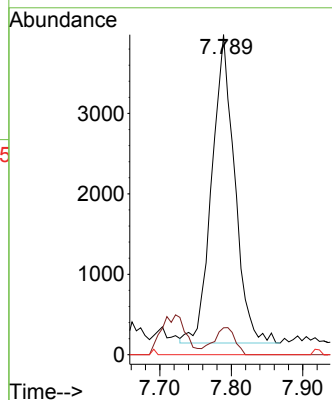
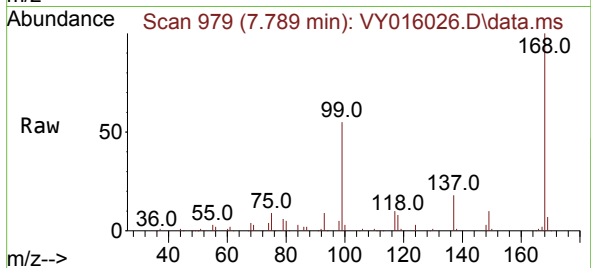




#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

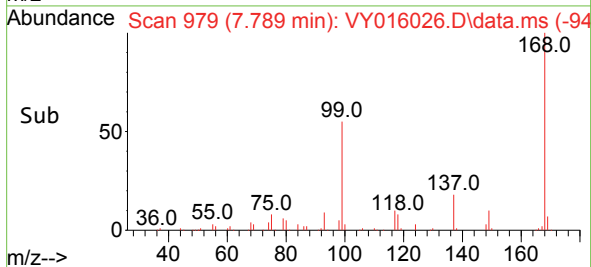
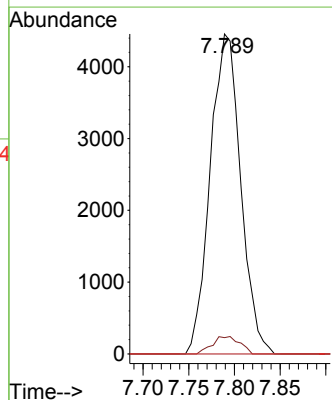
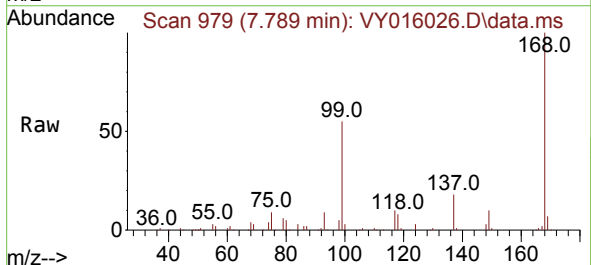
Instrument :
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ClientSampleId :

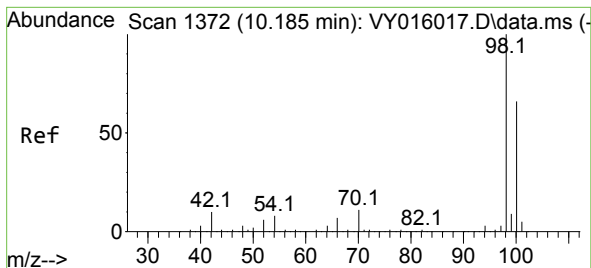
Tgt Ion: 75 Resp: 8497
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.744 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Tgt Ion: 117 Resp: 10323
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 48.011 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

Instrument :

MSVOA_Y

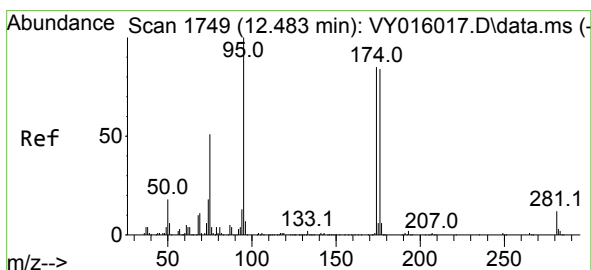
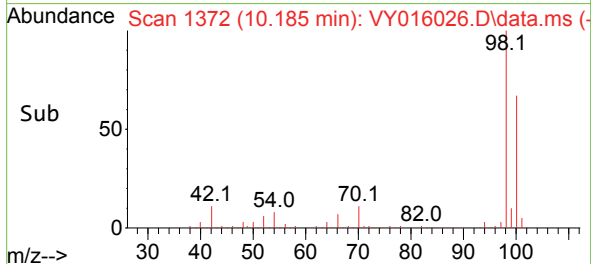
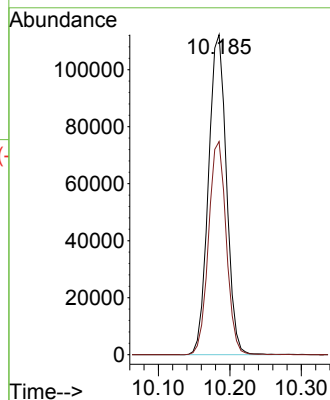
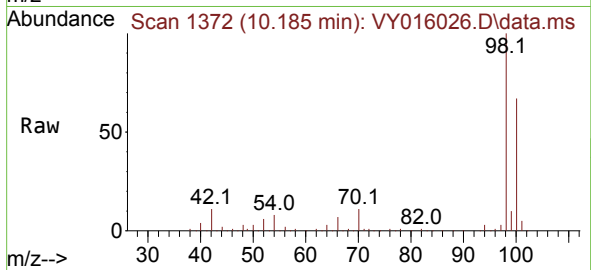
ClientSampleId :

Tgt Ion: 98 Resp: 195979

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 41.308 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

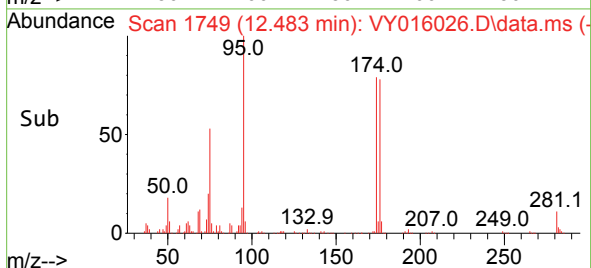
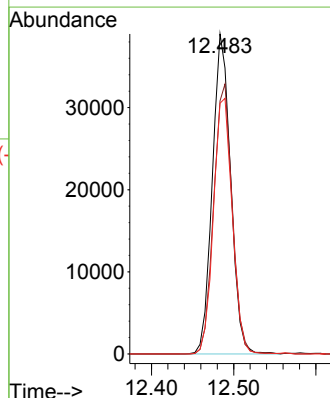
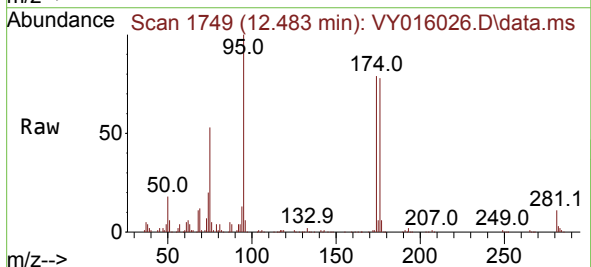
Tgt Ion: 95 Resp: 60165

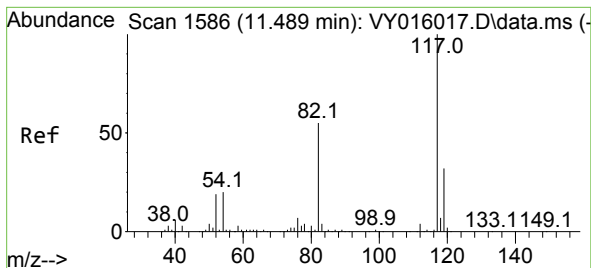
Ion Ratio Lower Upper

95 100

174 85.9 0.0 178.2

176 82.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY016026.D

Acq: 18 Oct 2023 17:42

Instrument :

MSVOA_Y

ClientSampleId :

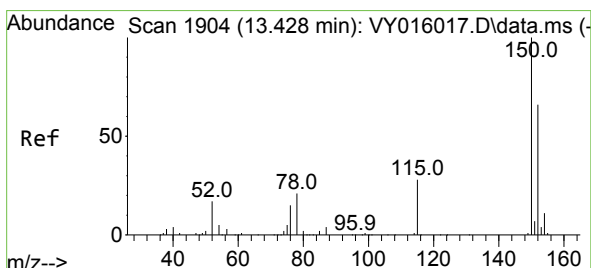
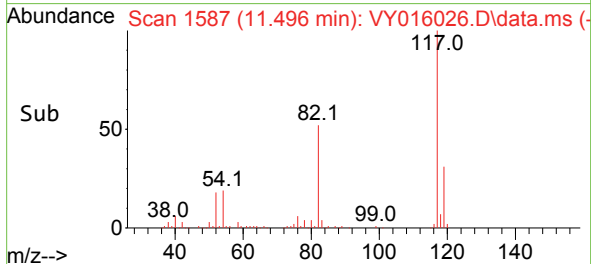
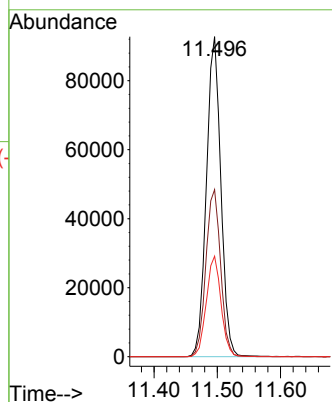
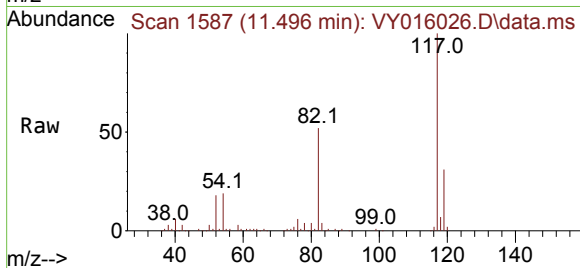
Tgt Ion:117 Resp: 147520

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.4 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: VY016026.D

Acq: 18 Oct 2023 17:42

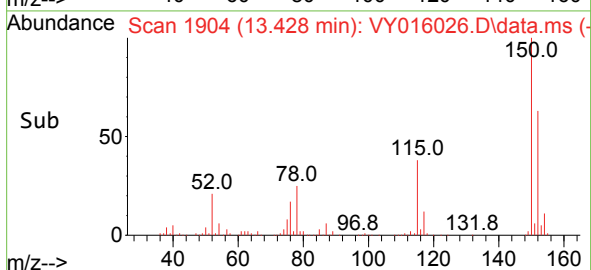
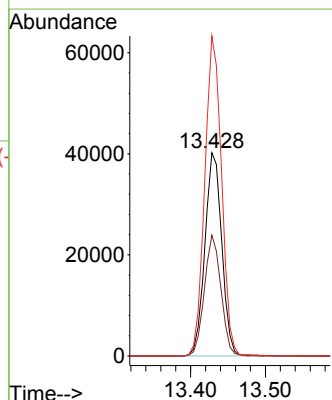
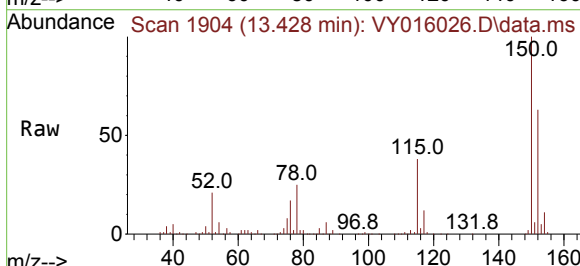
Tgt Ion:152 Resp: 63099

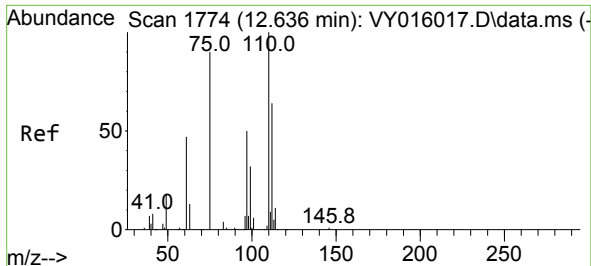
Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 156.4 0.0 348.8

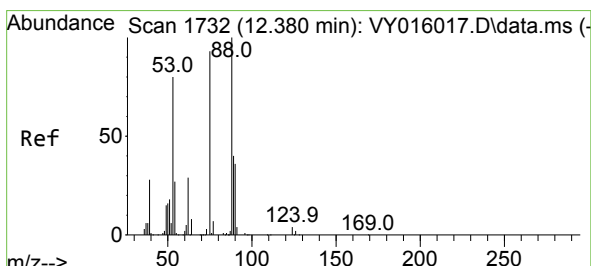
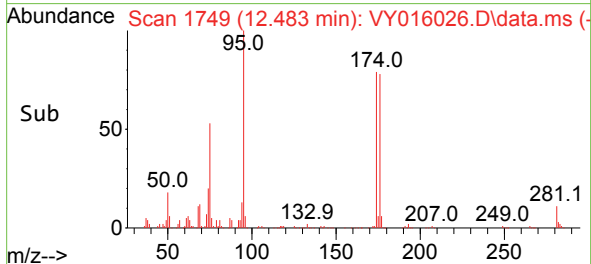
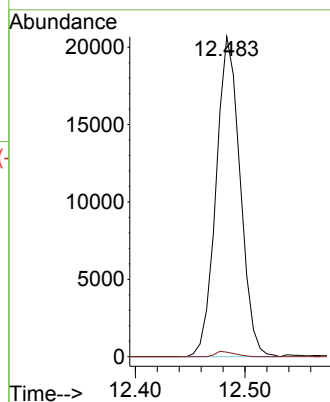
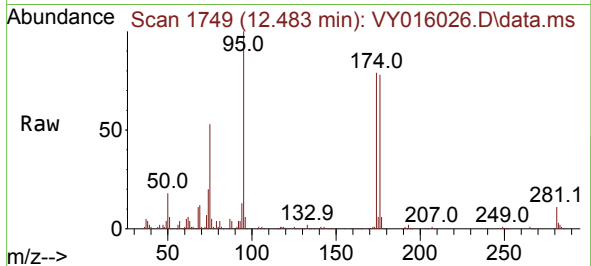




#76
1,2,3-Trichloropropane
Concen: 35.304 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 31541
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.065 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016026.D
Acq: 18 Oct 2023 17:42

Tgt Ion: 75 Resp: 31541
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

