

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014043.D
 Acq On : 06 Jun 2023 20:06
 Operator : KP/MD
 Sample : 03044-06
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5.0-7.0

Quant Time: Jun 07 01:43:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

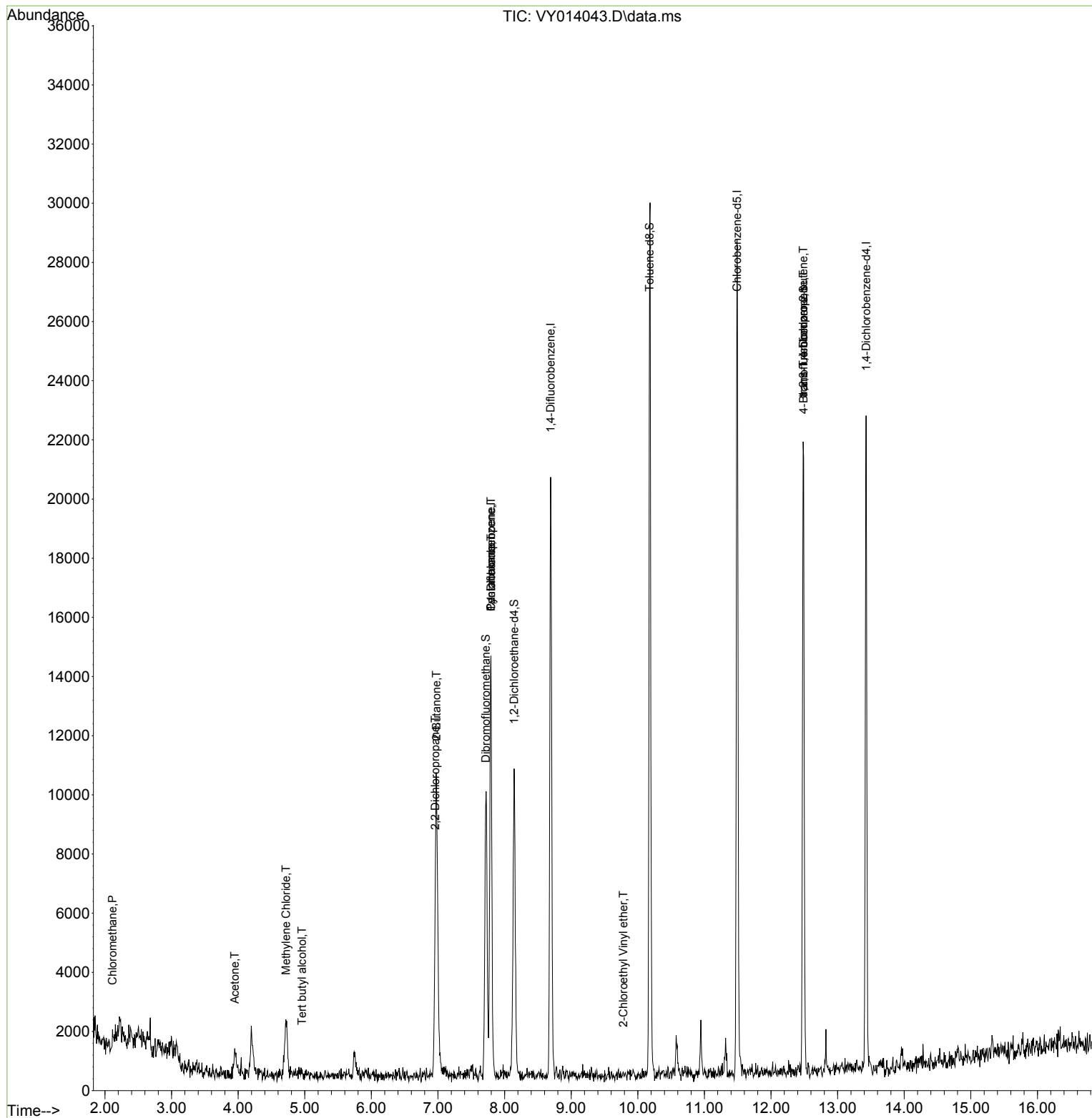
Internal Standards						
1) Pentafluorobenzene	7.795	168	11086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	16168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8208	55.931	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.860%	
35) Dibromofluoromethane	7.715	113	6842	61.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.800%	
50) Toluene-d8	10.178	98	19950	47.320	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.489	95	5781	40.221	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.440%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	147	1.088	ug/l #	43
11) Tert butyl alcohol	4.960	59	75	2.487	ug/l #	89
16) Acetone	3.948	43	1574	31.349	ug/l	97
20) Methylene Chloride	4.716	84	1518	7.807	ug/l #	78
25) 2-Butanone	6.978	43	545	8.713	ug/l #	49
26) 2,2-Dichloropropane	6.960	77	330	1.625	ug/l #	54
31) Cyclohexane	7.795	56	296	1.675	ug/l #	53
36) 1,1-Dichloropropene	7.795	75	746	4.737	ug/l #	50
58) 2-Chloroethyl Vinyl ether	9.782	63	52	23.738	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	3201	40.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3201	84.957	ug/l #	10

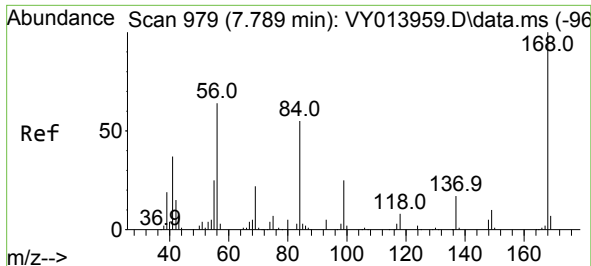
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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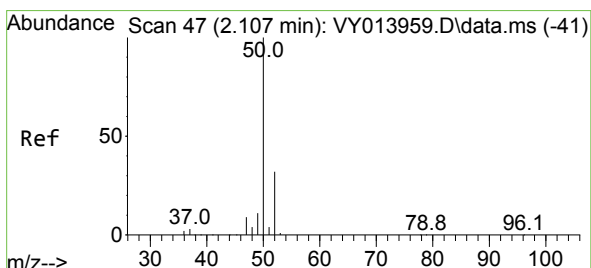
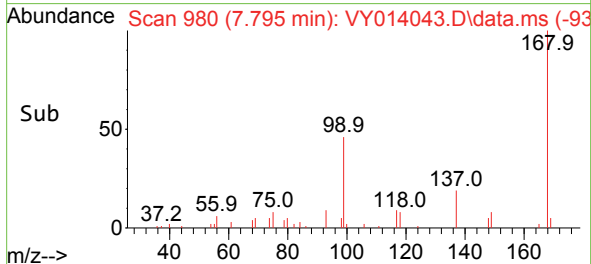
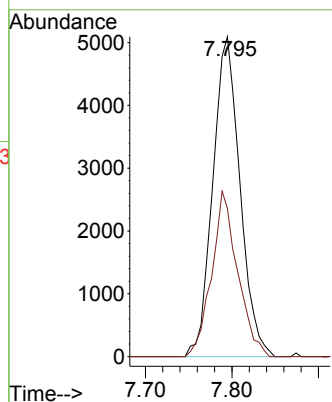
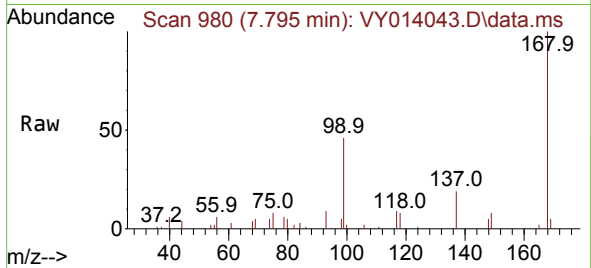




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

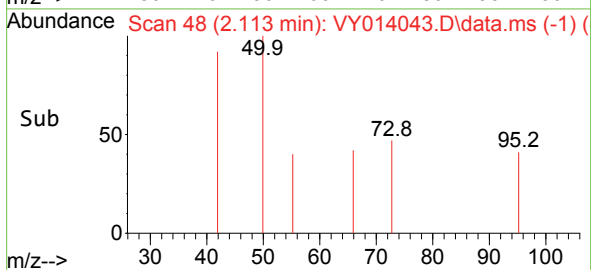
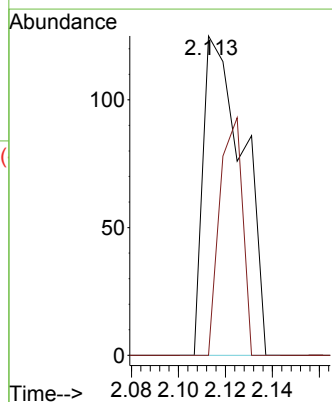
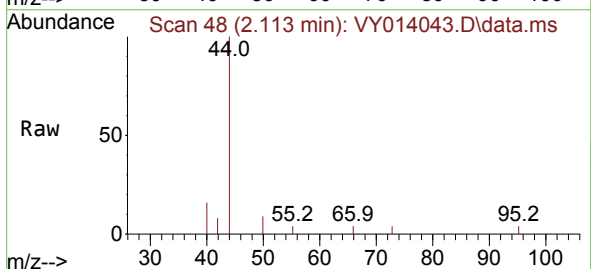
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5.0-7.0

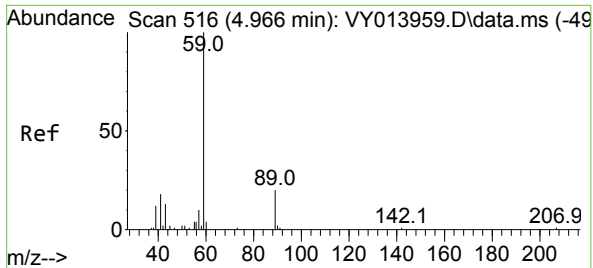
Tgt Ion:168 Resp: 11086
Ion Ratio Lower Upper
168 100
99 46.3 43.4 65.0



#3
Chloromethane
Concen: 1.088 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

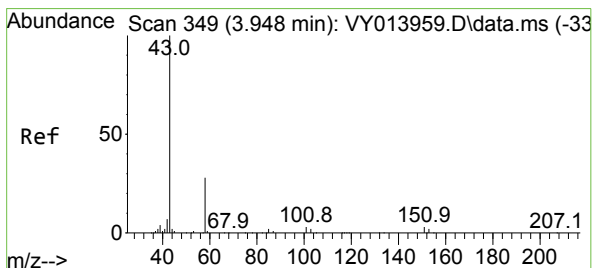
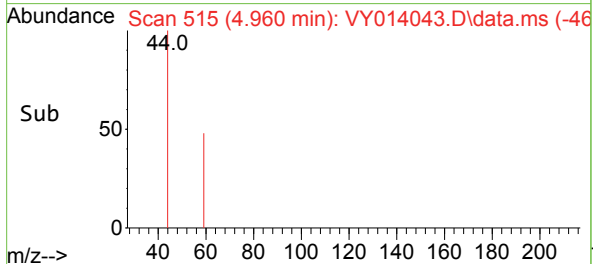
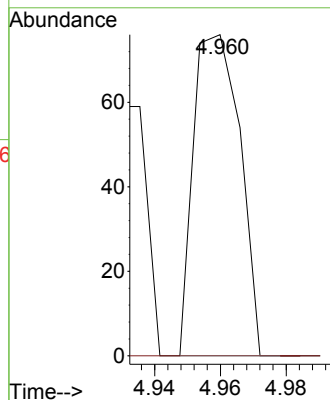
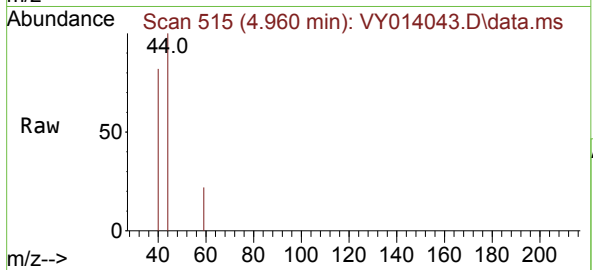




#11
Tert butyl alcohol
Concen: 2.487 ug/l
RT: 4.960 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

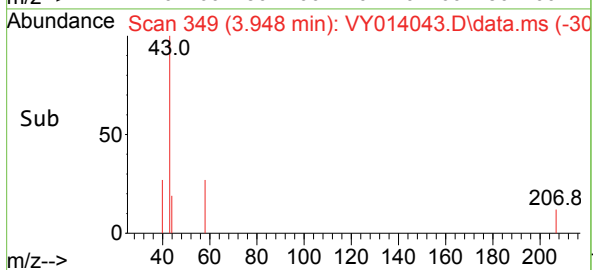
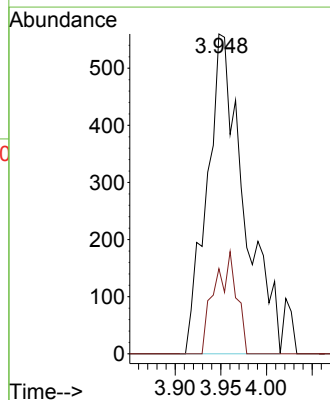
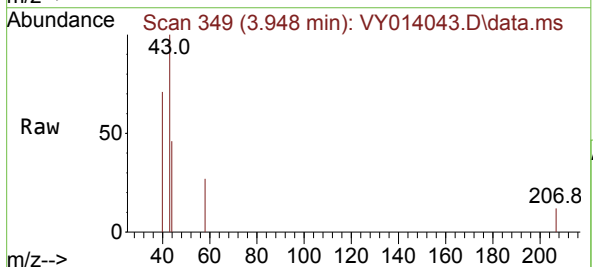
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5.0-7.0

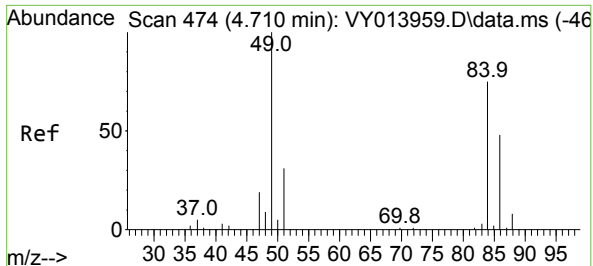
Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 31.349 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
58 26.6 22.7 34.1

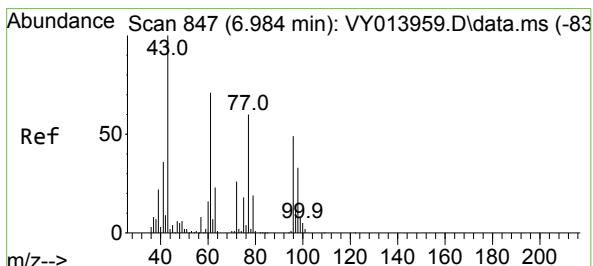
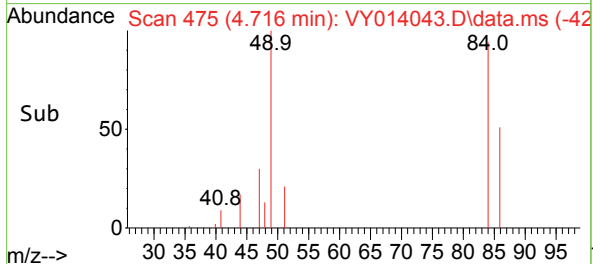
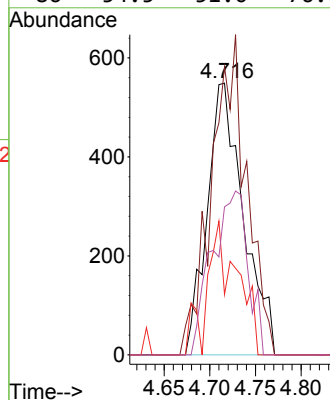
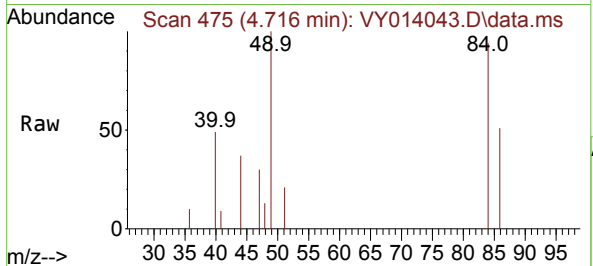




#20
Methylene Chloride
Concen: 7.807 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

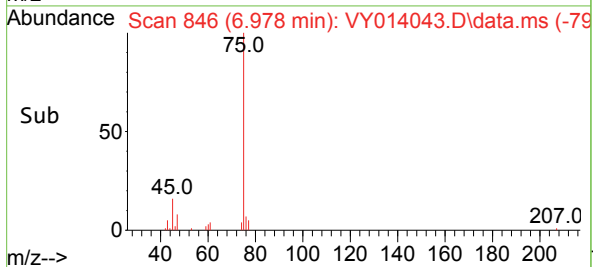
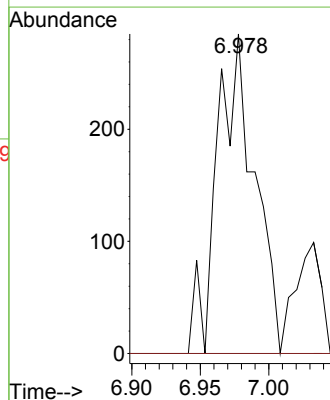
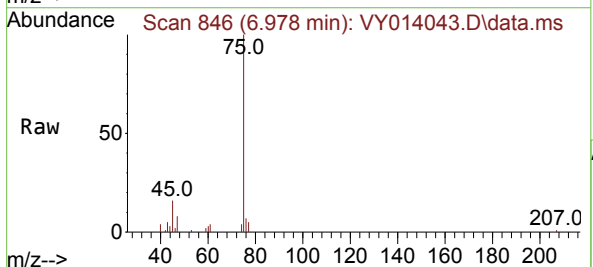
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5.0-7.0

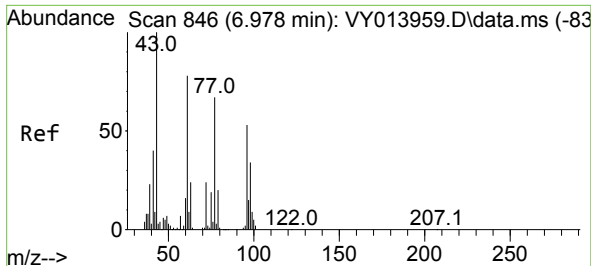
Tgt Ion:	84	Resp:	1518
Ion	Ratio	Lower	Upper
84	100		
49	106.0	106.9	160.3#
51	22.2	33.2	49.8#
86	54.5	51.0	76.6



#25
2-Butanone
Concen: 8.713 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.007 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion:	43	Resp:	545
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.625 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.019 min

Lab File: VY014043.D

Acq: 06 Jun 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

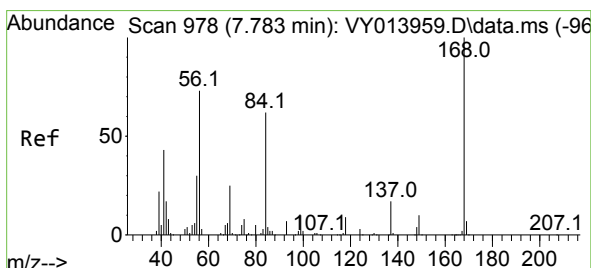
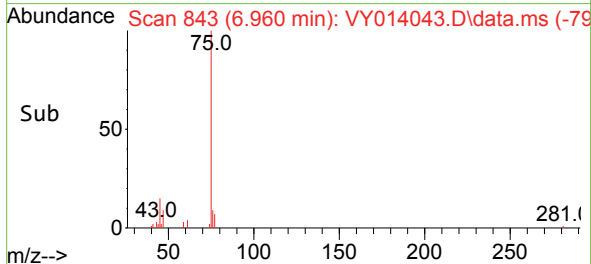
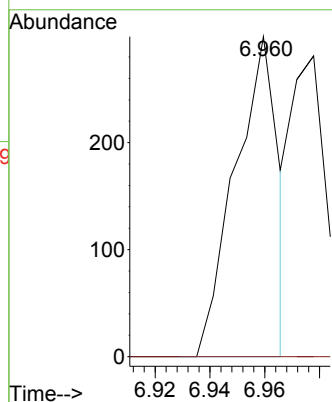
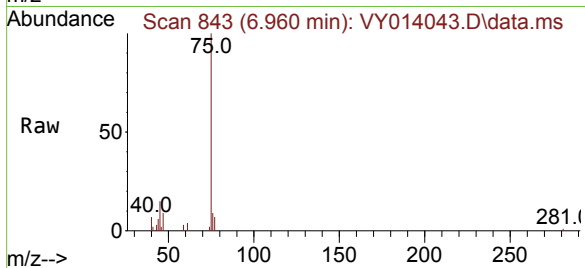
SB-03-5.0-7.0

Tgt Ion: 77 Resp: 330

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.675 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY014043.D

Acq: 06 Jun 2023 20:06

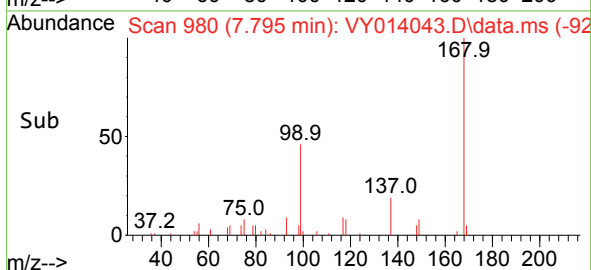
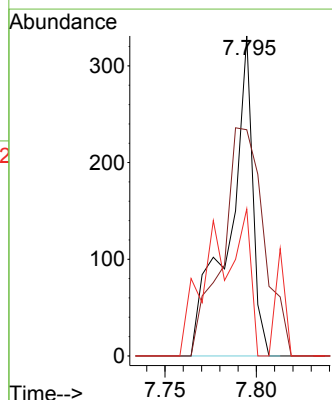
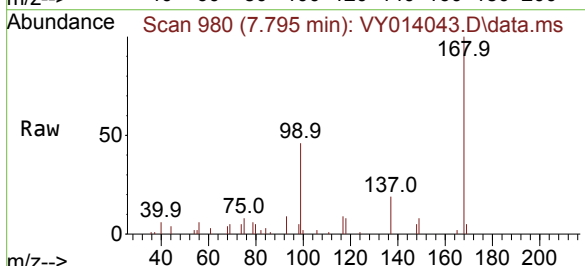
Tgt Ion: 56 Resp: 296

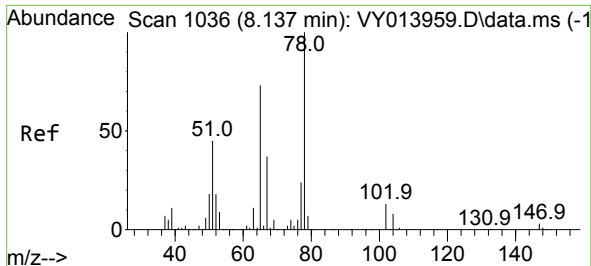
Ion Ratio Lower Upper

56 100

69 70.7 27.8 41.6#

84 45.9 66.4 99.6#

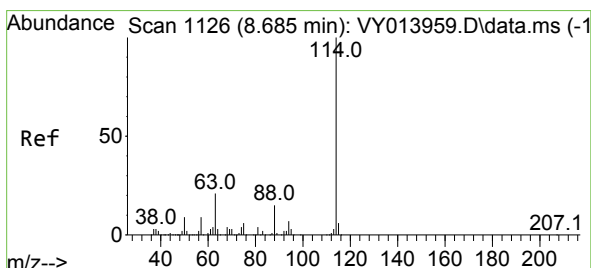
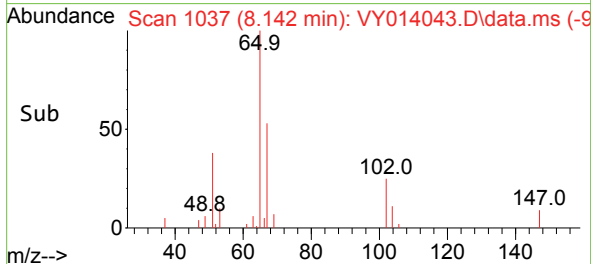
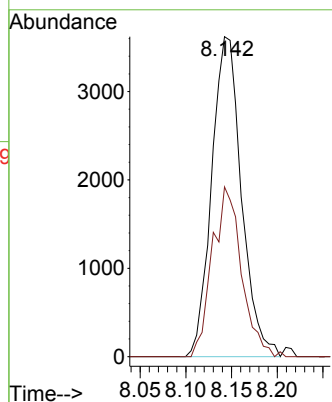
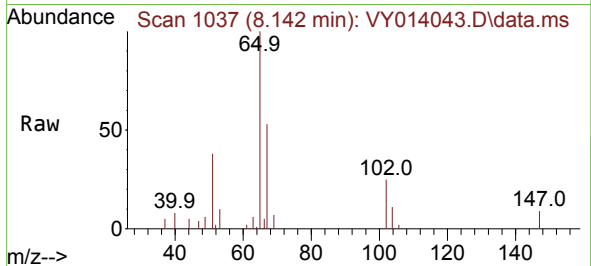




#33
 1,2-Dichloroethane-d4
 Concen: 55.931 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY014043.D
 Acq: 06 Jun 2023 20:06

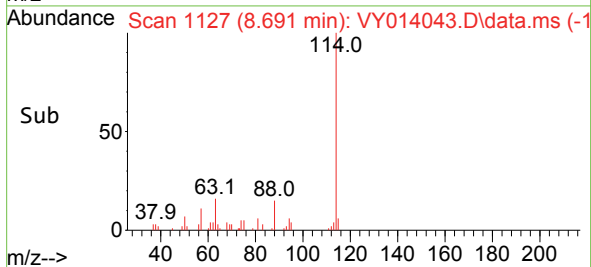
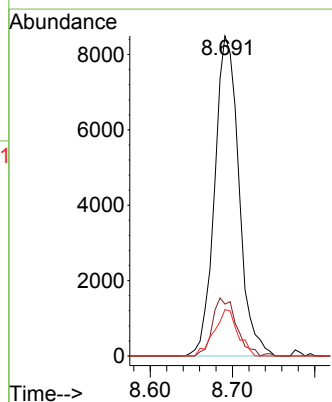
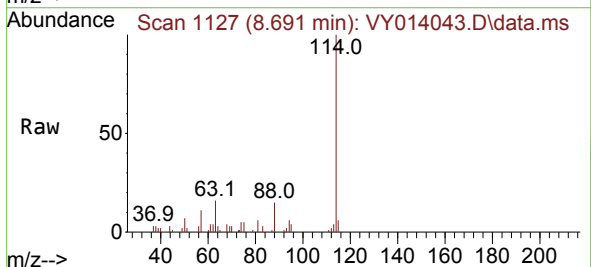
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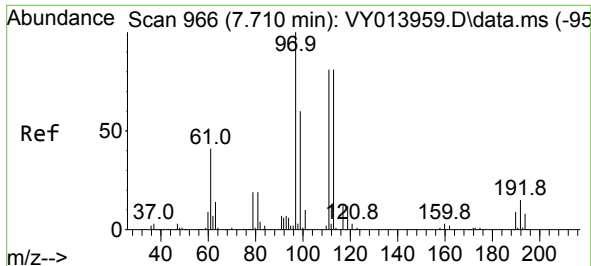
Tgt Ion: 65 Resp: 8208
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014043.D
 Acq: 06 Jun 2023 20:06

Tgt Ion: 114 Resp: 17392
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 42.4
 88 14.5 0.0 30.6

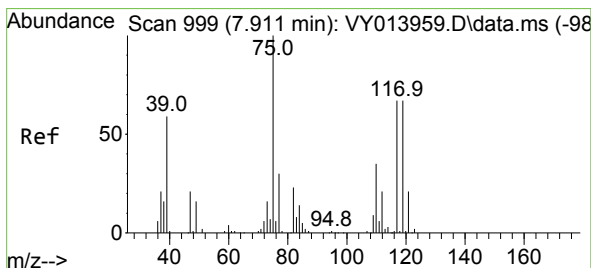
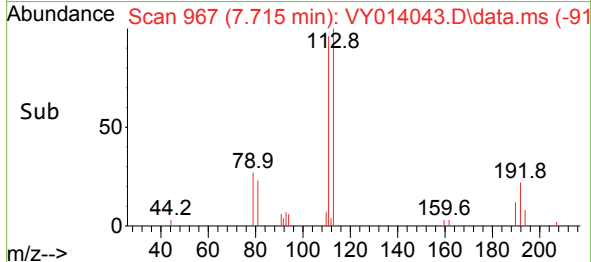
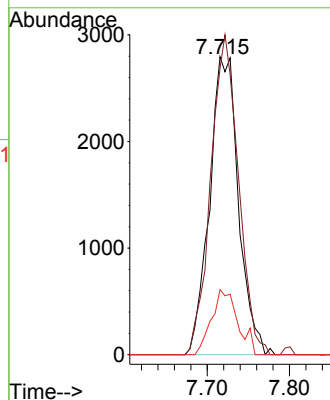
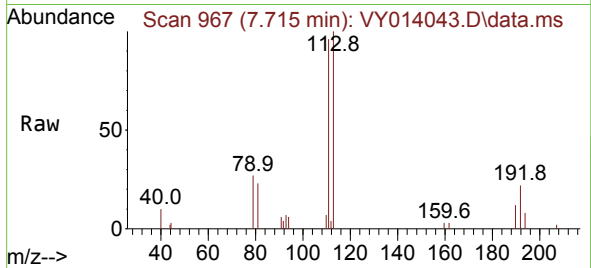




#35
Dibromofluoromethane
Concen: 61.903 ug/l
RT: 7.715 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

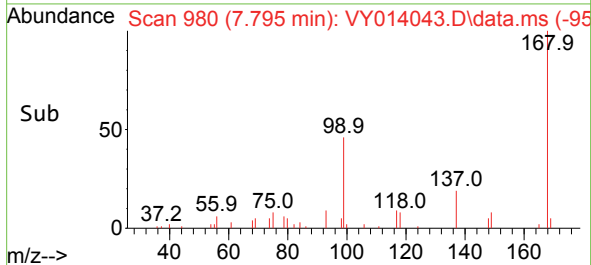
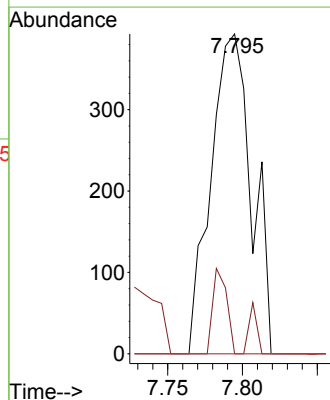
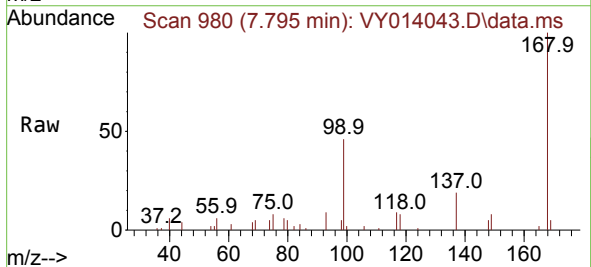
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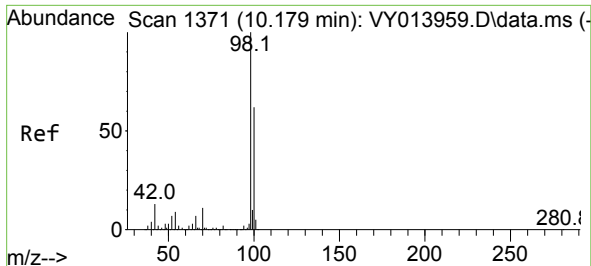
Tgt Ion:113 Resp: 6842
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.737 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion: 75 Resp: 746
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#

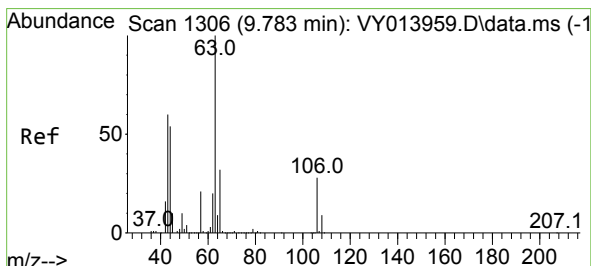
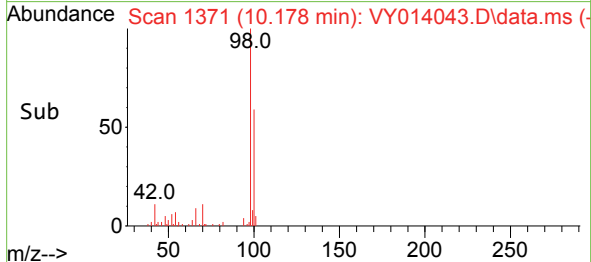
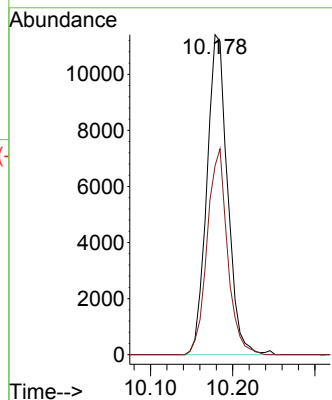
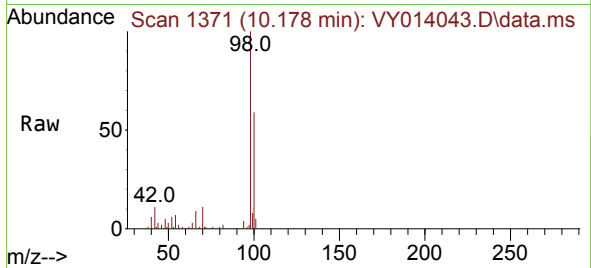




#50
Toluene-d8
Concen: 47.320 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

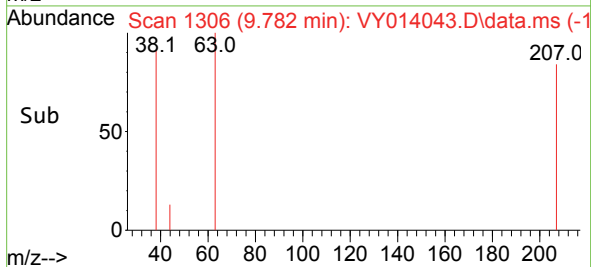
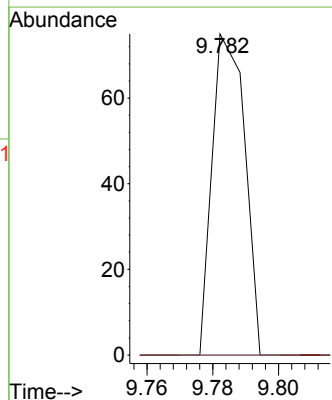
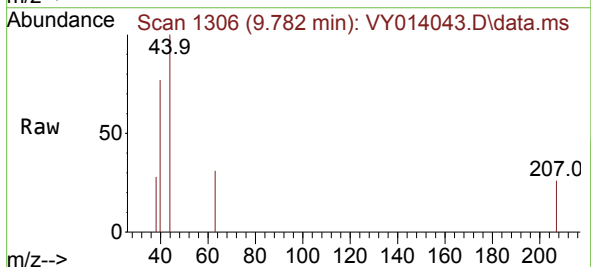
Instrument :
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SB-03-5.0-7.0

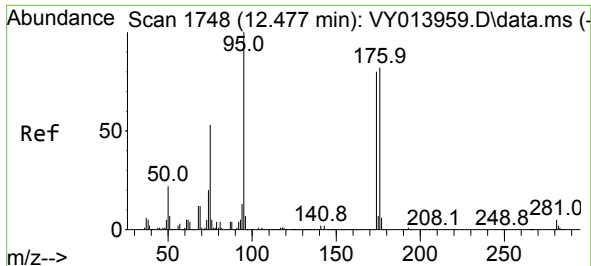
Tgt Ion: 98 Resp: 19950
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.738 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.001 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8

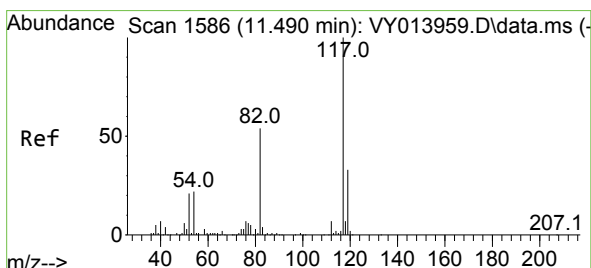
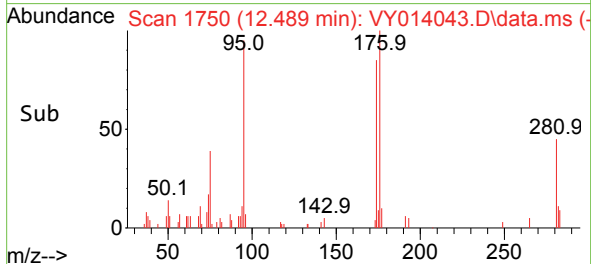
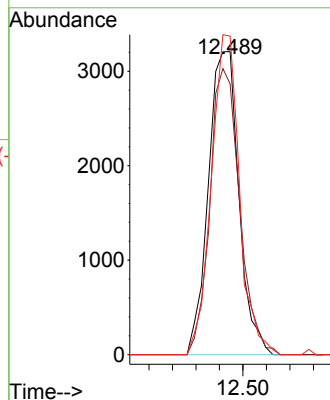
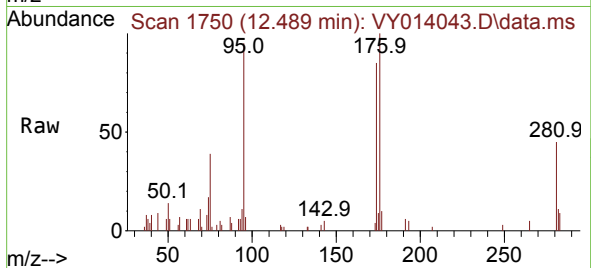




#62
4-Bromofluorobenzene
Concen: 40.221 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

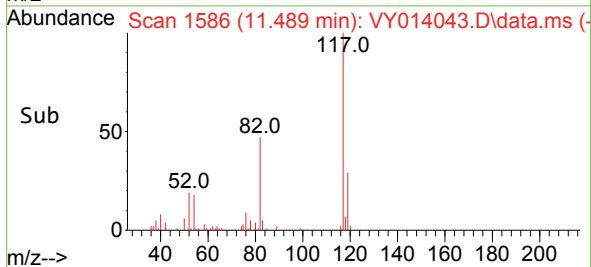
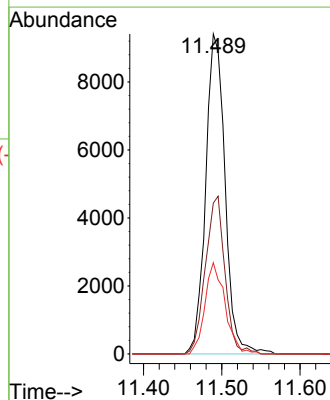
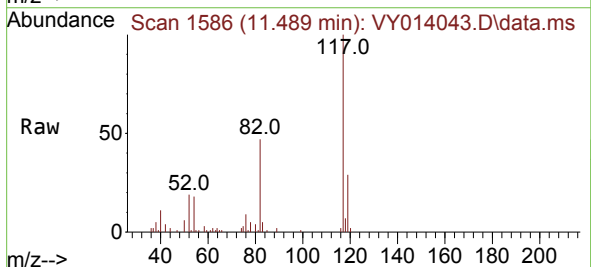
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5.0-7.0

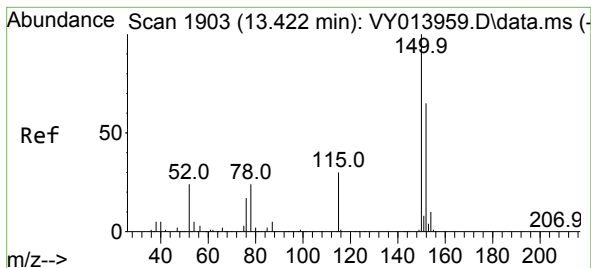
Tgt Ion: 95 Resp: 5781
Ion Ratio Lower Upper
95 100
174 91.9 0.0 178.2
176 97.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014043.D
Acq: 06 Jun 2023 20:06

Tgt Ion: 117 Resp: 16168
Ion Ratio Lower Upper
117 100
82 47.2 43.4 65.0
119 28.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY014043.D

Acq: 06 Jun 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-5.0-7.0

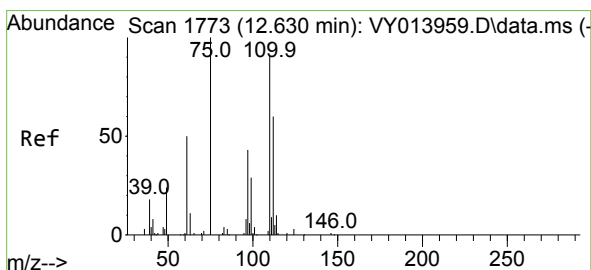
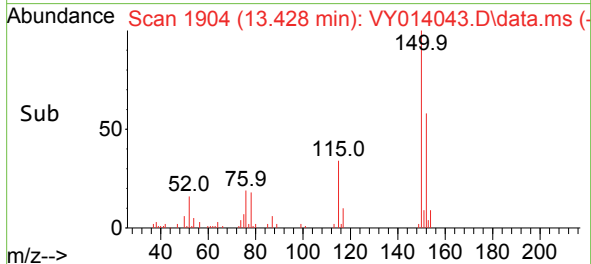
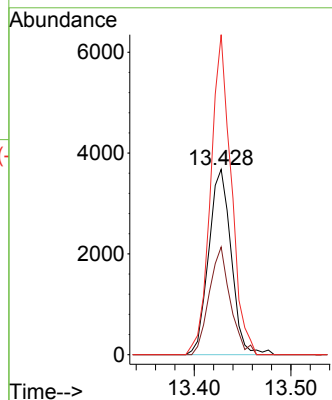
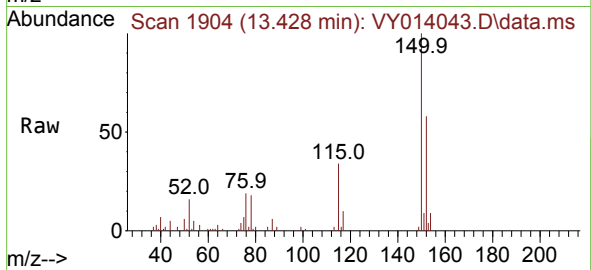
Tgt Ion:152 Resp: 5940

Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 158.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.045 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014043.D

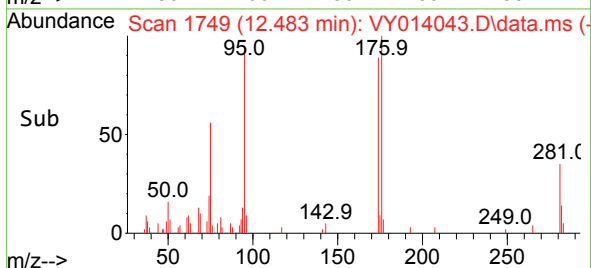
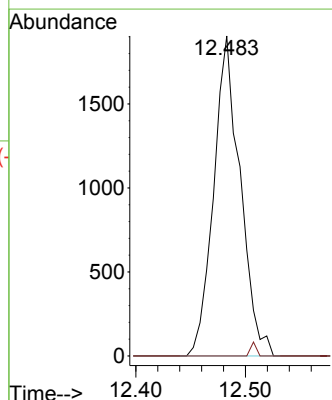
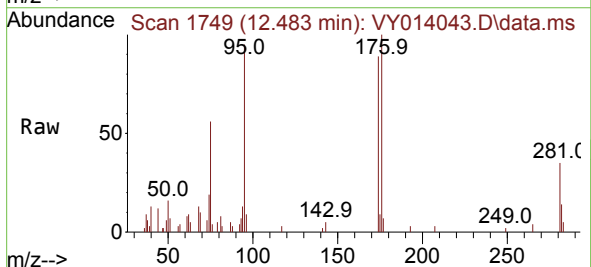
Acq: 06 Jun 2023 20:06

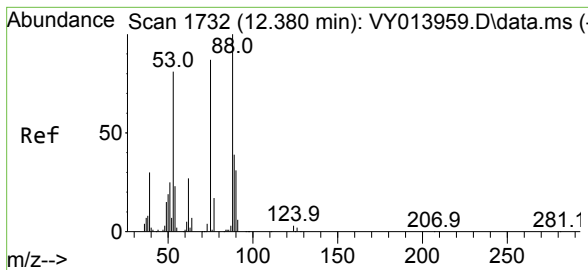
Tgt Ion: 75 Resp: 3201

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.957 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY014043.D
 Acq: 06 Jun 2023 20:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5.0-7.0

Tgt Ion: 75 Resp: 3201
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

