

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013556.D
 Acq On : 02 May 2023 15:00
 Operator : KP/MD
 Sample : 02567-02
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02

Quant Time: May 03 01:33:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

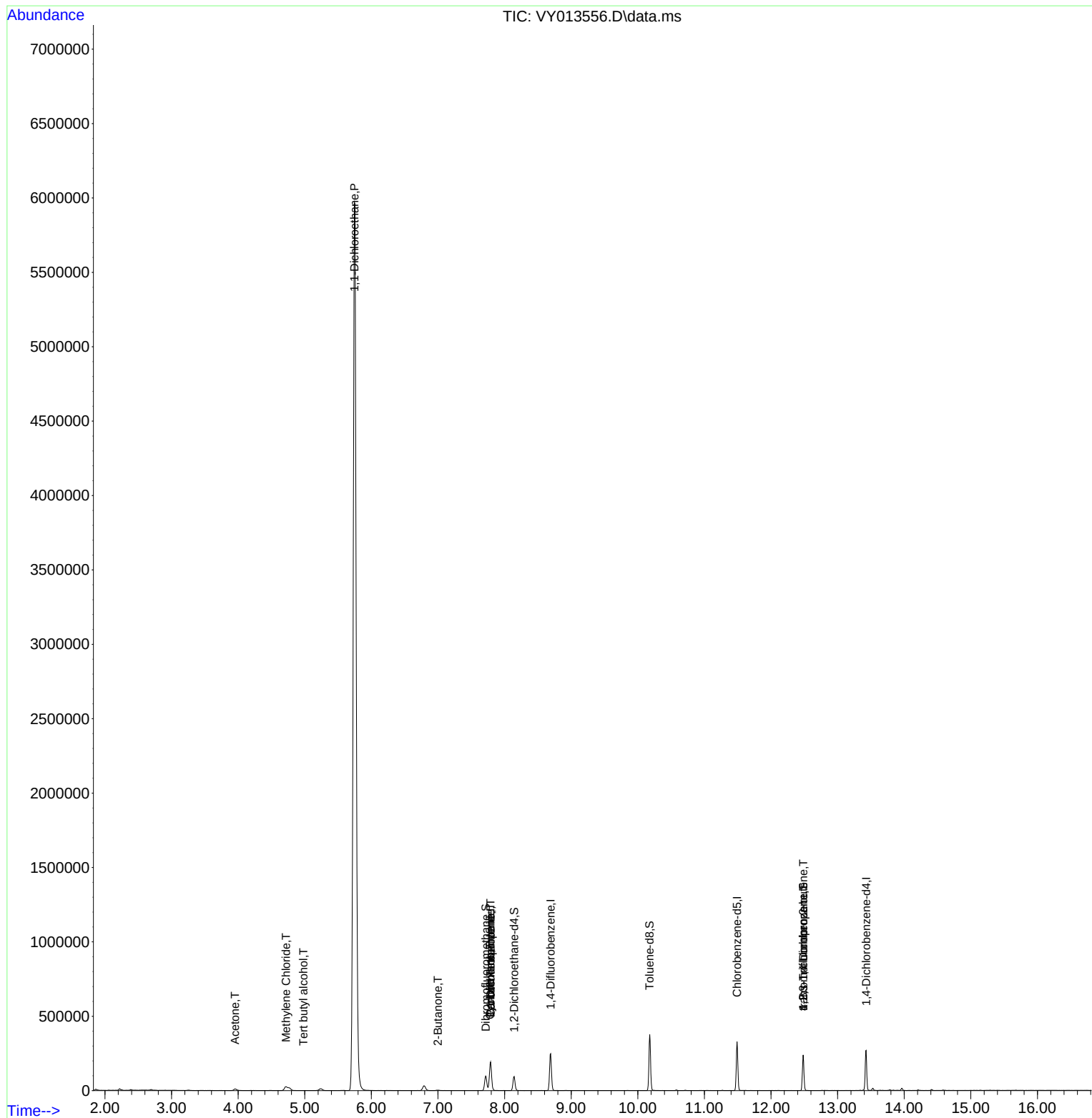
Internal Standards						
1) Pentafluorobenzene	7.789	168	143643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	174231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76949	48.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.740%
35) Dibromofluoromethane	7.715	113	67370	51.094	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.180%
50) Toluene-d8	10.178	98	245865	52.416	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.483	95	64058	40.509	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	178	1.651	ug/l #	89
13) Acrolein	3.728	56	401	Below Cal	#	60
16) Acetone	3.954	43	21435	34.566	ug/l	96
20) Methylene Chloride	4.716	84	18078	1.451	ug/l	97
24) 1,1-Dichloroethane	5.746	63	13113	4.346	ug/l #	82
25) 2-Butanone	6.996	43	5086	6.467	ug/l #	82
31) Cyclohexane	7.782	56	6147	2.180	ug/l #	69
36) 1,1-Dichloropropene	7.789	75	10918	4.989	ug/l #	48
38) Carbon Tetrachloride	7.789	117	13609	5.933	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	33744	34.616	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33744	70.810	ug/l #	13

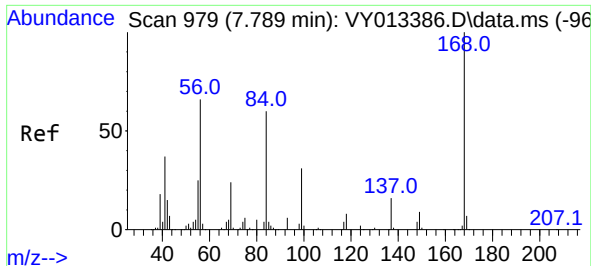
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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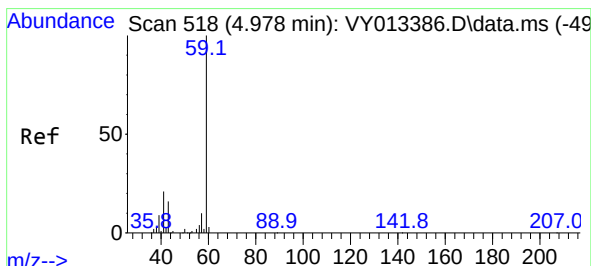
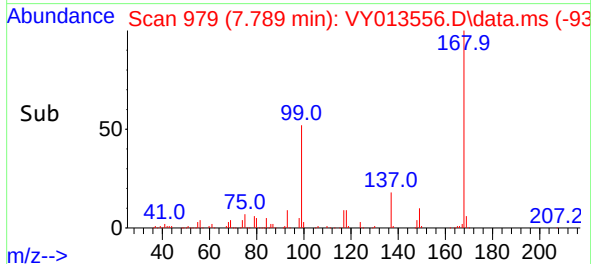
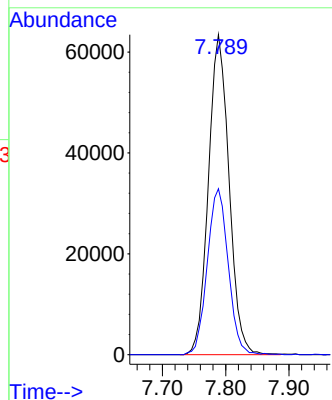
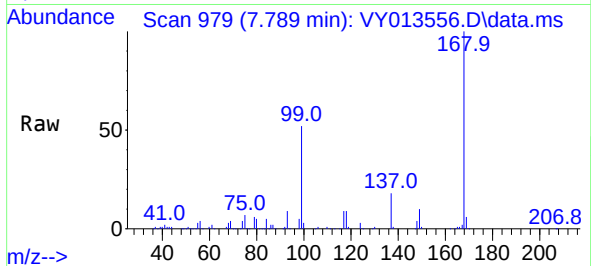




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

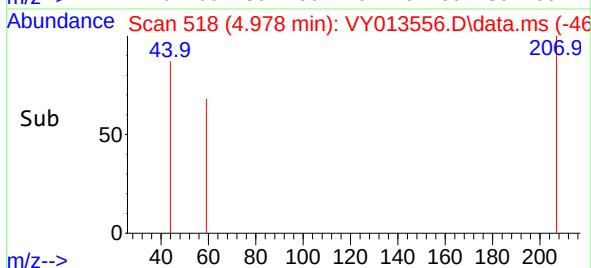
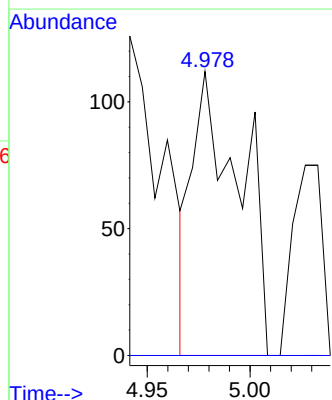
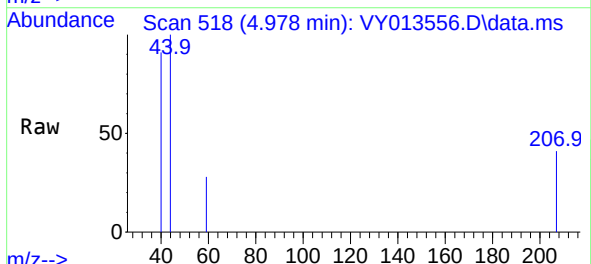
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

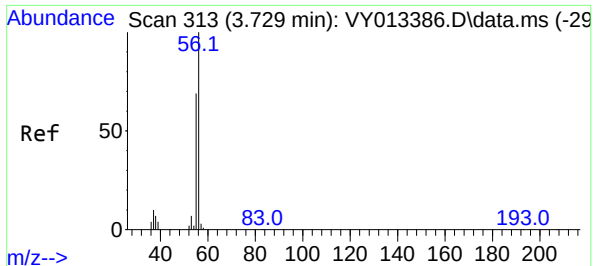
Tgt Ion:168 Resp: 143643
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.651 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

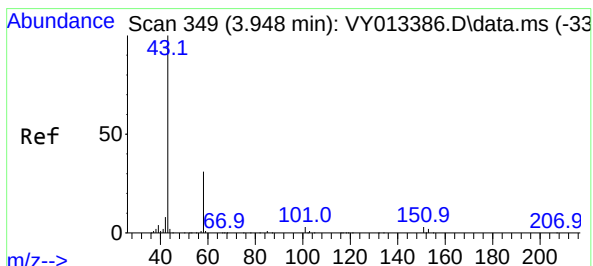
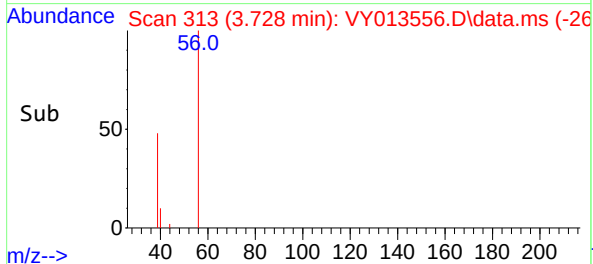
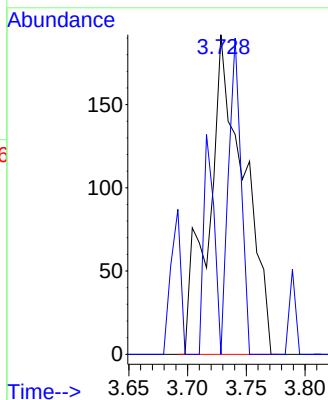
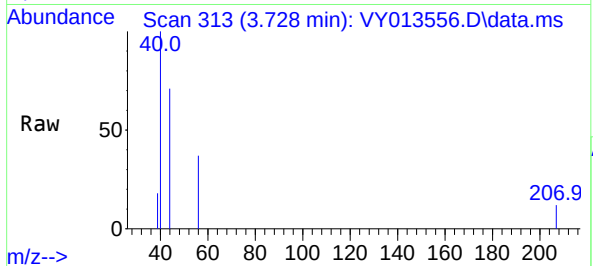




#13
Acrolein
Concen: Below Cal
RT: 3.728 min Scan# 313
Delta R.T. -0.001 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

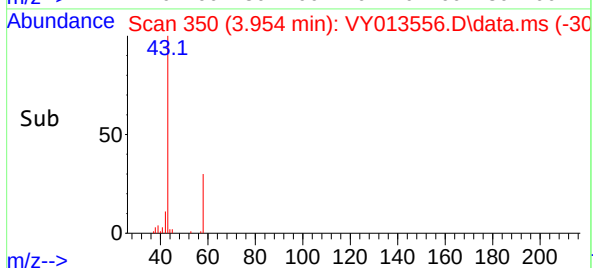
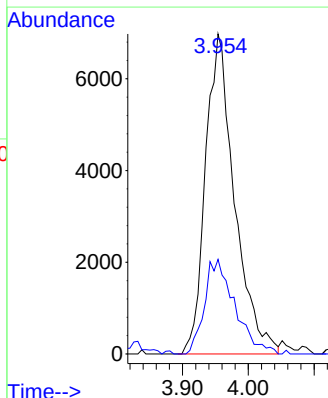
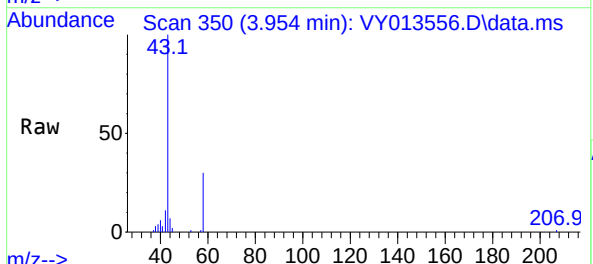
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

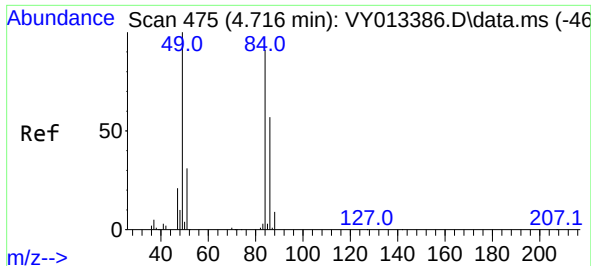
Tgt Ion: 56 Resp: 401
Ion Ratio Lower Upper
56 100
55 35.4 54.1 81.1#



#16
Acetone
Concen: 34.566 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 43 Resp: 21435
Ion Ratio Lower Upper
43 100
58 29.5 25.4 38.0



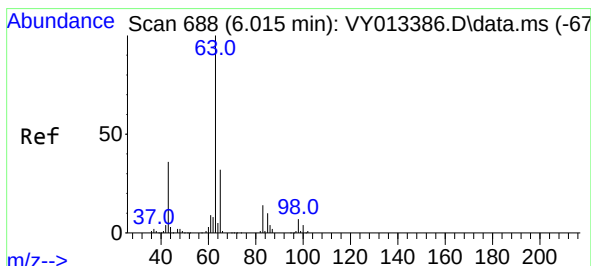
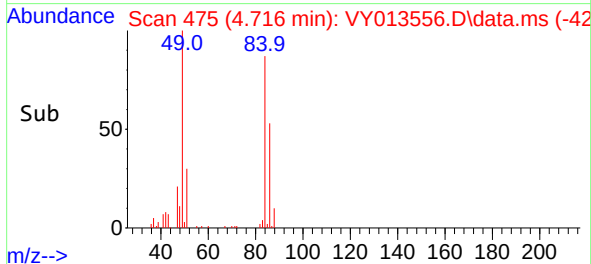
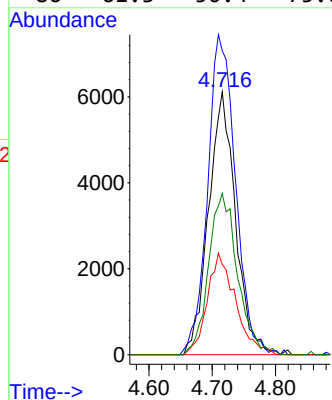
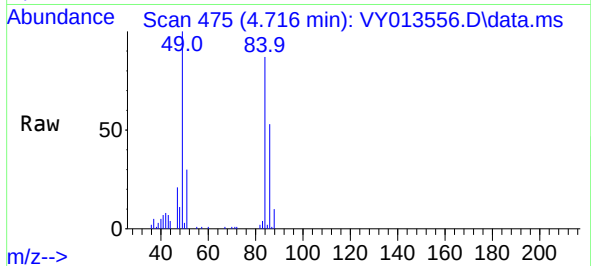


#20
Methylene Chloride
Concen: 1.451 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

Tgt Ion: 84 Resp: 18078

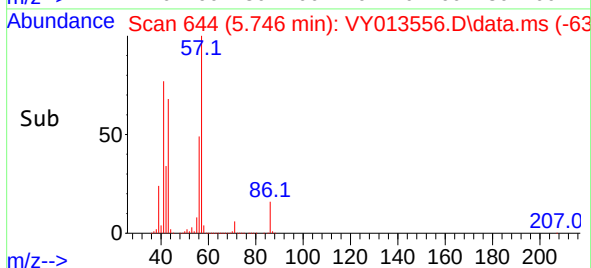
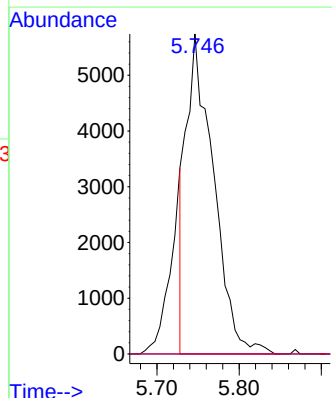
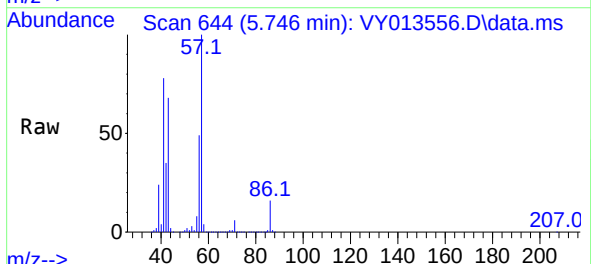
Ion	Ratio	Lower	Upper
84	100		
49	115.5	88.0	132.0
51	34.3	27.4	41.0
86	61.3	50.4	75.6

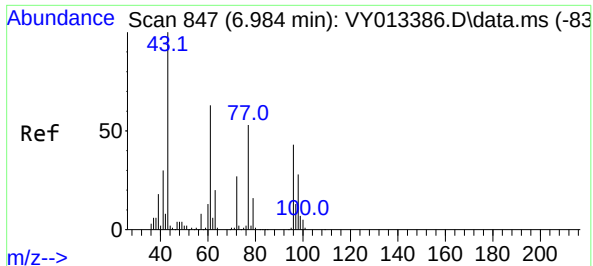


#24
1,1-Dichloroethane
Concen: 4.346 ug/l
RT: 5.746 min Scan# 644
Delta R.T. -0.269 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 63 Resp: 13113

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.6#
100	0.0	2.2	6.6#

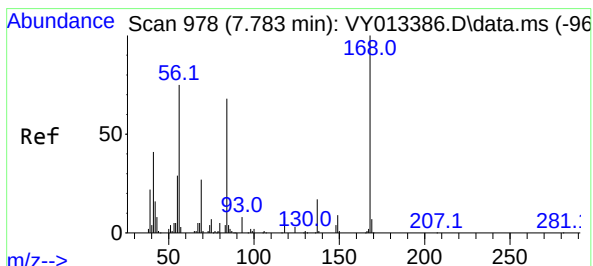
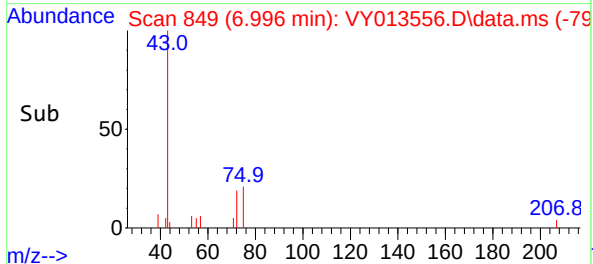
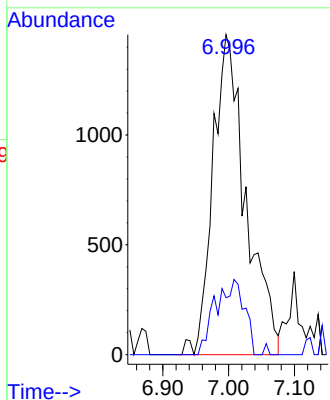
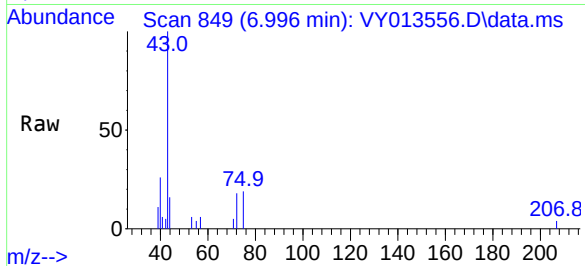




#25
2-Butanone
Concen: 6.467 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

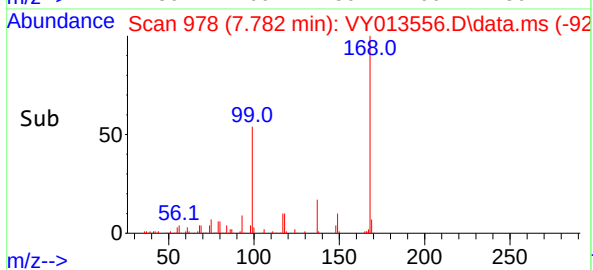
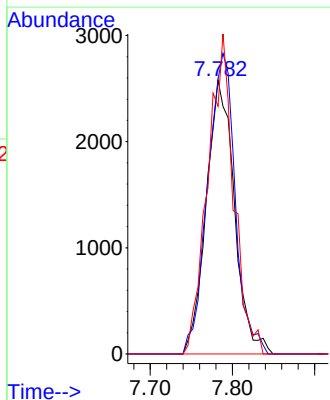
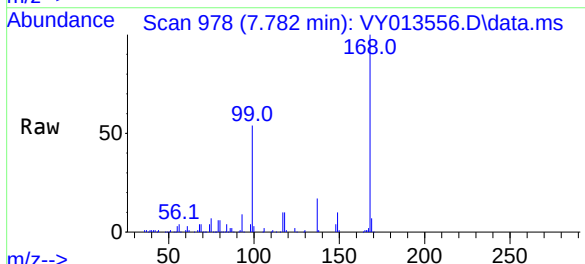
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

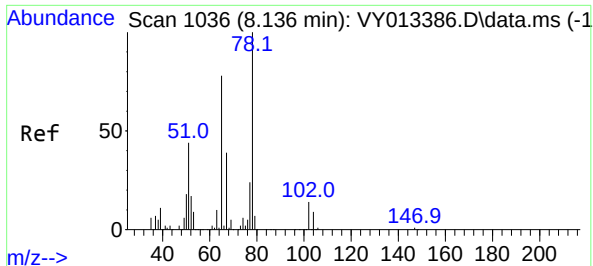
Tgt Ion: 43 Resp: 5086
Ion Ratio Lower Upper
43 100
72 17.8 21.9 32.9#



#31
Cyclohexane
Concen: 2.180 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.001 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 56 Resp: 6147
Ion Ratio Lower Upper
56 100
69 100.5 29.2 43.8#
84 90.5 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 48.868 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

Instrument :

MSVOA_Y

ClientSampleId :

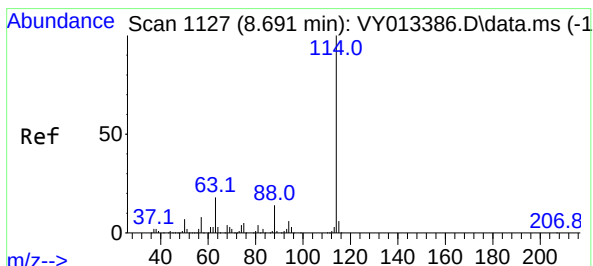
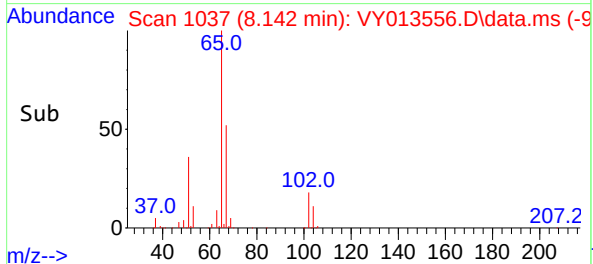
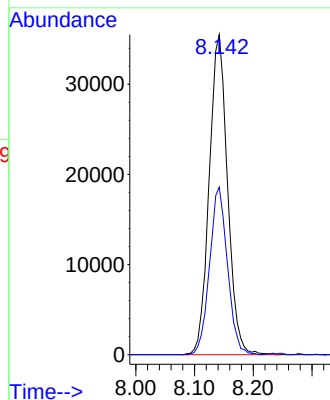
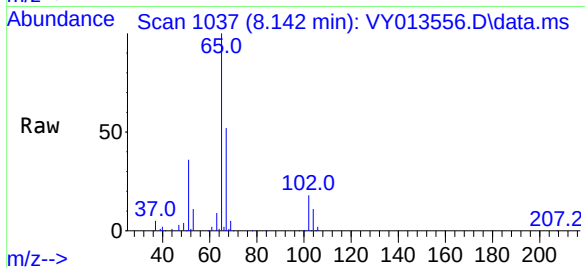
B-21-SB02

Tgt Ion: 65 Resp: 76949

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013556.D

Acq: 02 May 2023 15:00

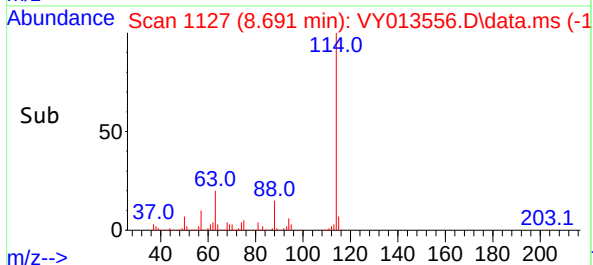
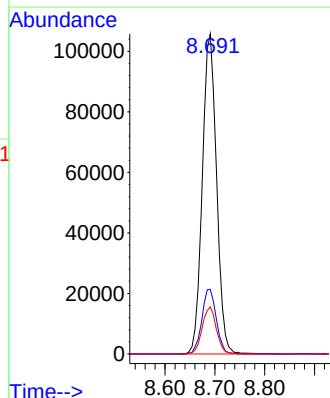
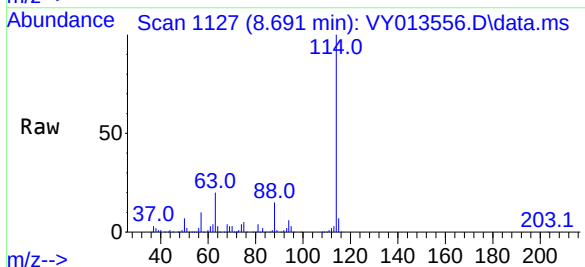
Tgt Ion: 114 Resp: 209643

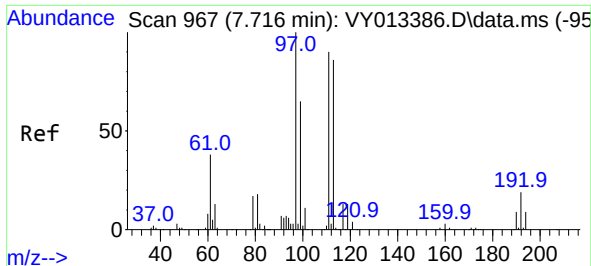
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.8 0.0 28.8

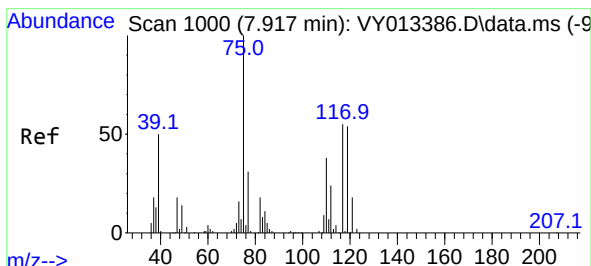
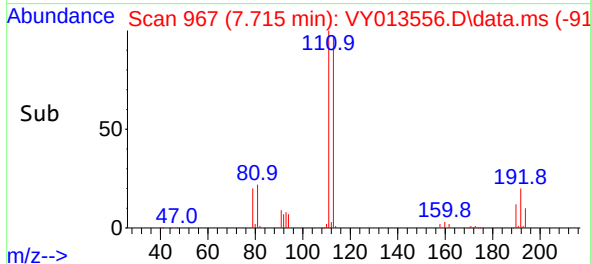
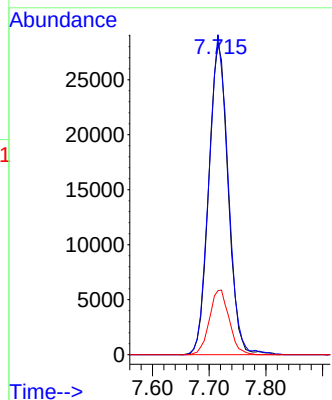
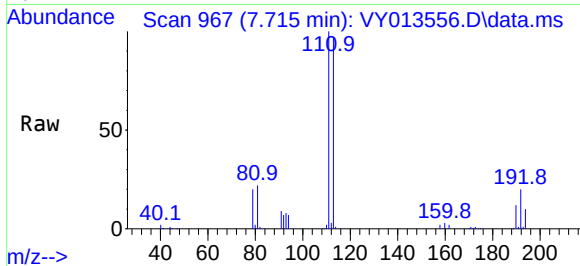




#35
Dibromofluoromethane
Concen: 51.094 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

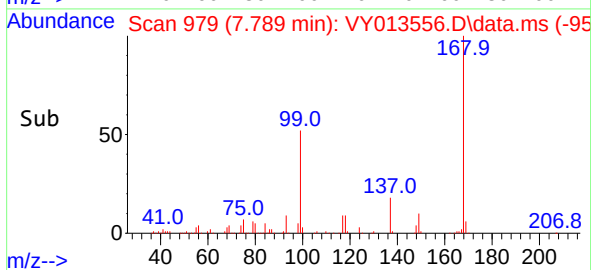
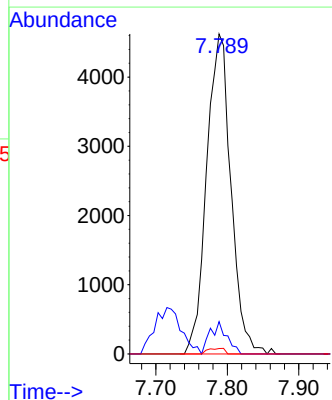
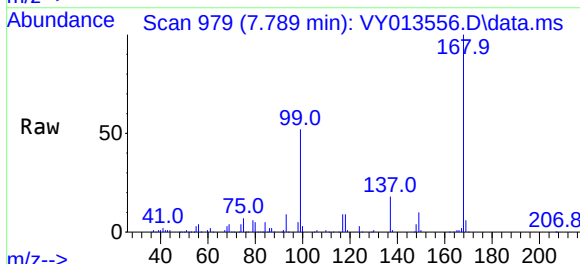
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B-21-SB02

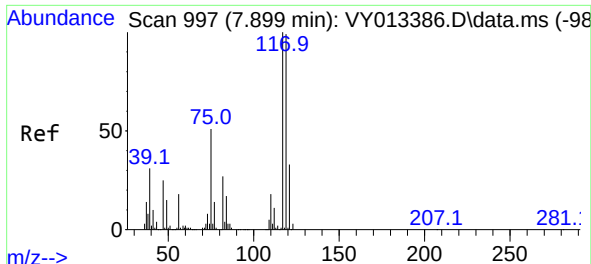
Tgt Ion:113 Resp: 67370
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 21.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 75 Resp: 10918
Ion Ratio Lower Upper
75 100
110 6.9 18.7 56.1#
77 1.2 24.6 37.0#

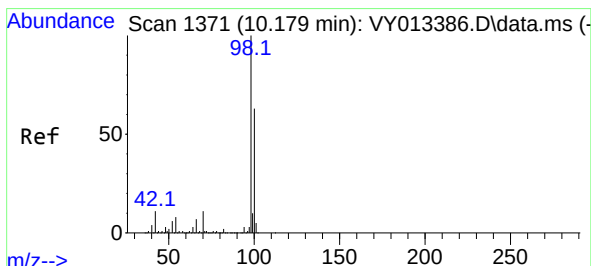
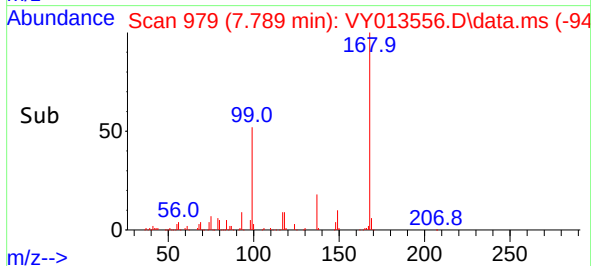
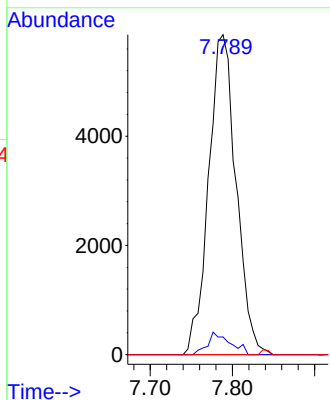
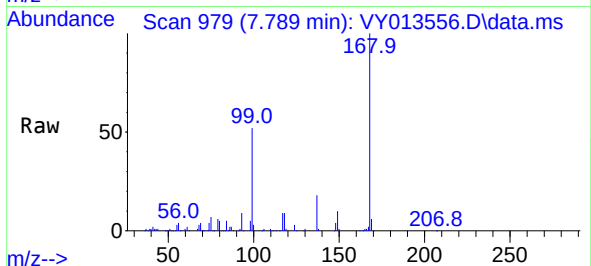




#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

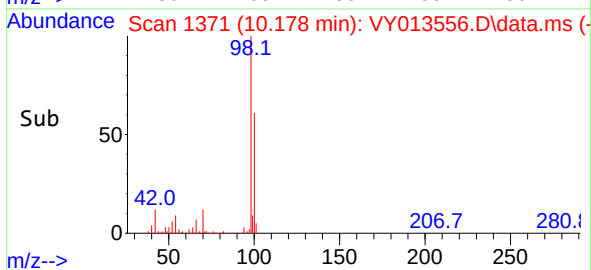
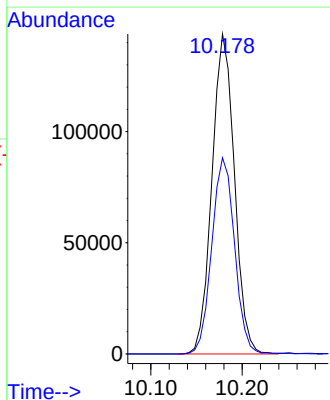
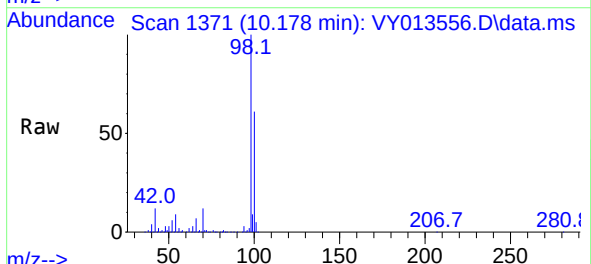
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

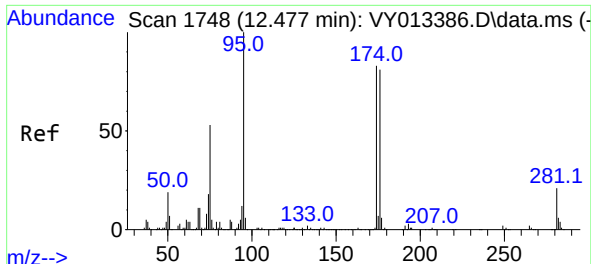
Tgt Ion:117 Resp: 13609
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.416 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 98 Resp: 245865
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7

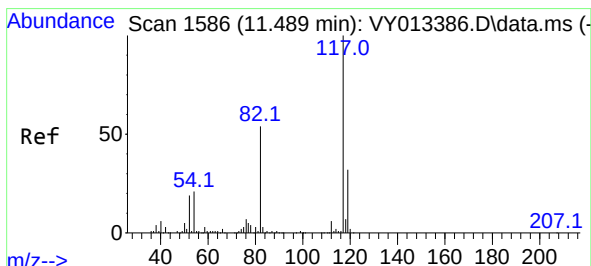
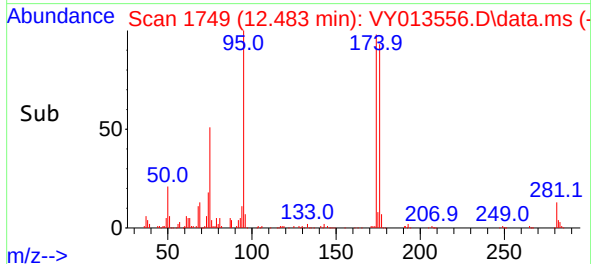
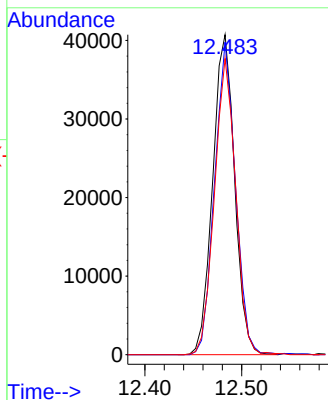
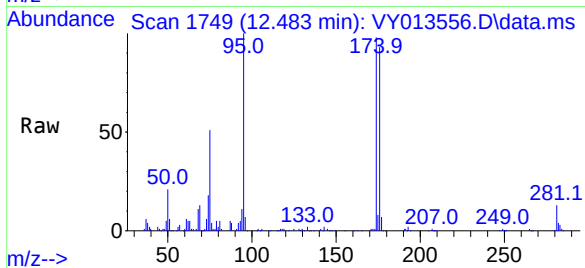




#62
4-Bromofluorobenzene
Concen: 40.509 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

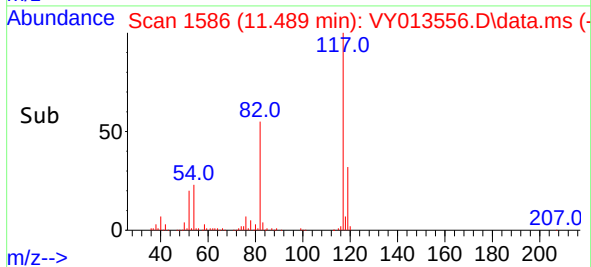
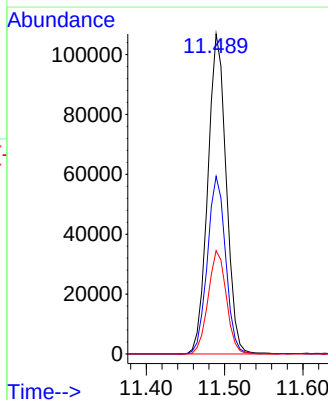
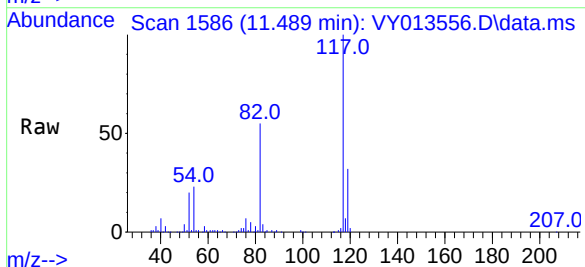
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

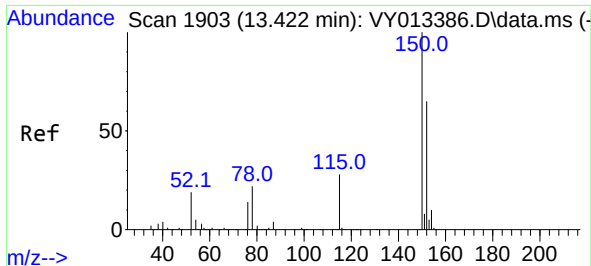
Tgt Ion: 95 Resp: 64058
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.0
176 89.8 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

Tgt Ion: 117 Resp: 174231
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.6
119 32.3 25.5 38.3

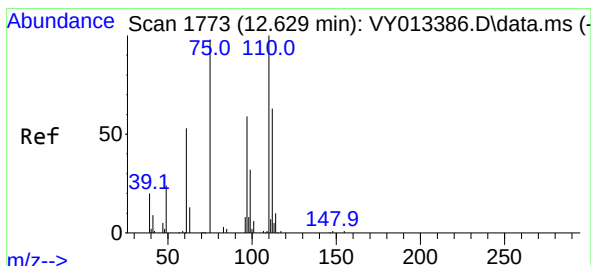
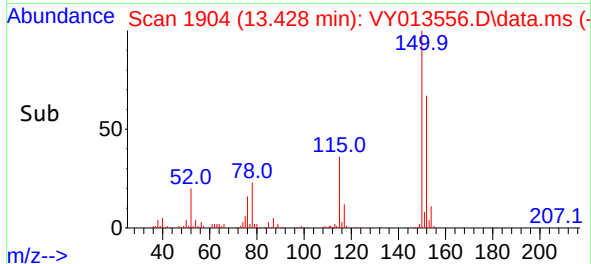
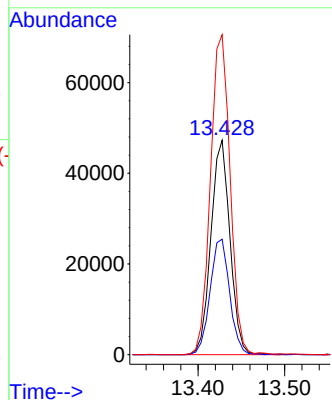
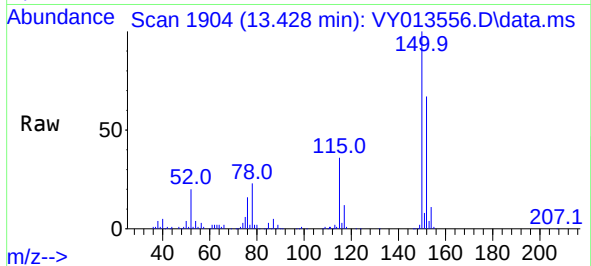




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

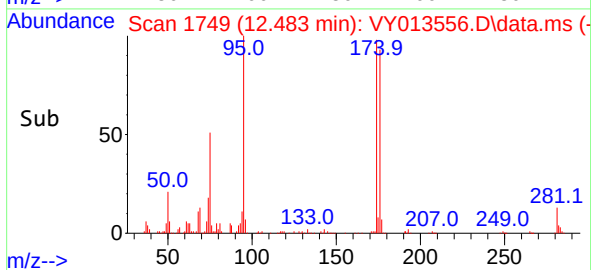
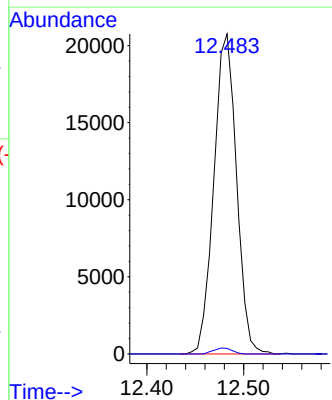
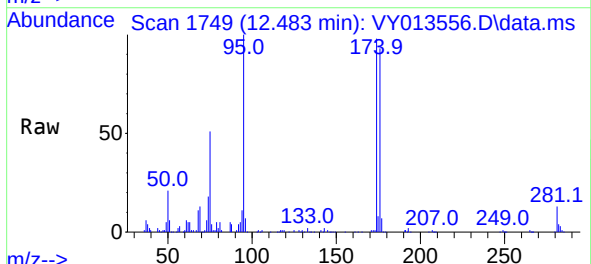
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02

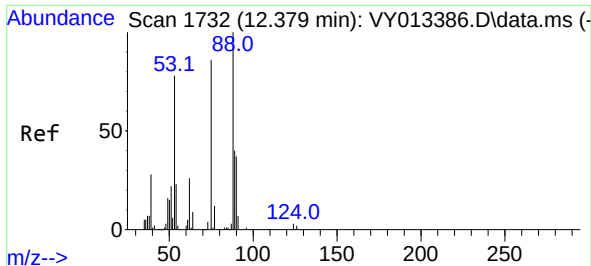
Tgt Ion:152 Resp: 72281
Ion Ratio Lower Upper
152 100
115 55.3 28.1 84.2
150 154.0 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 34.616 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013556.D
Acq: 02 May 2023 15:00

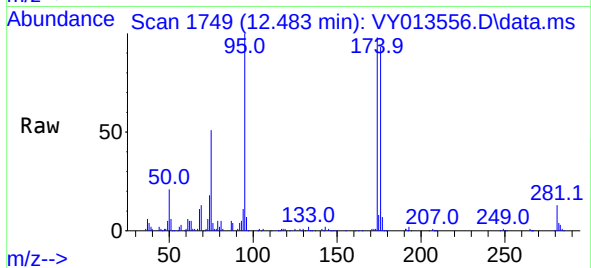
Tgt Ion: 75 Resp: 33744
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.810 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013556.D
 Acq: 02 May 2023 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02



Tgt Ion: 75 Resp: 33744
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.0 38.0 57.0#

