

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014041.D
 Acq On : 06 Jun 2023 19:19
 Operator : KP/MD
 Sample : 03044-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-5.0-7.0-DUP

Quant Time: Jun 07 01:42:21 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)

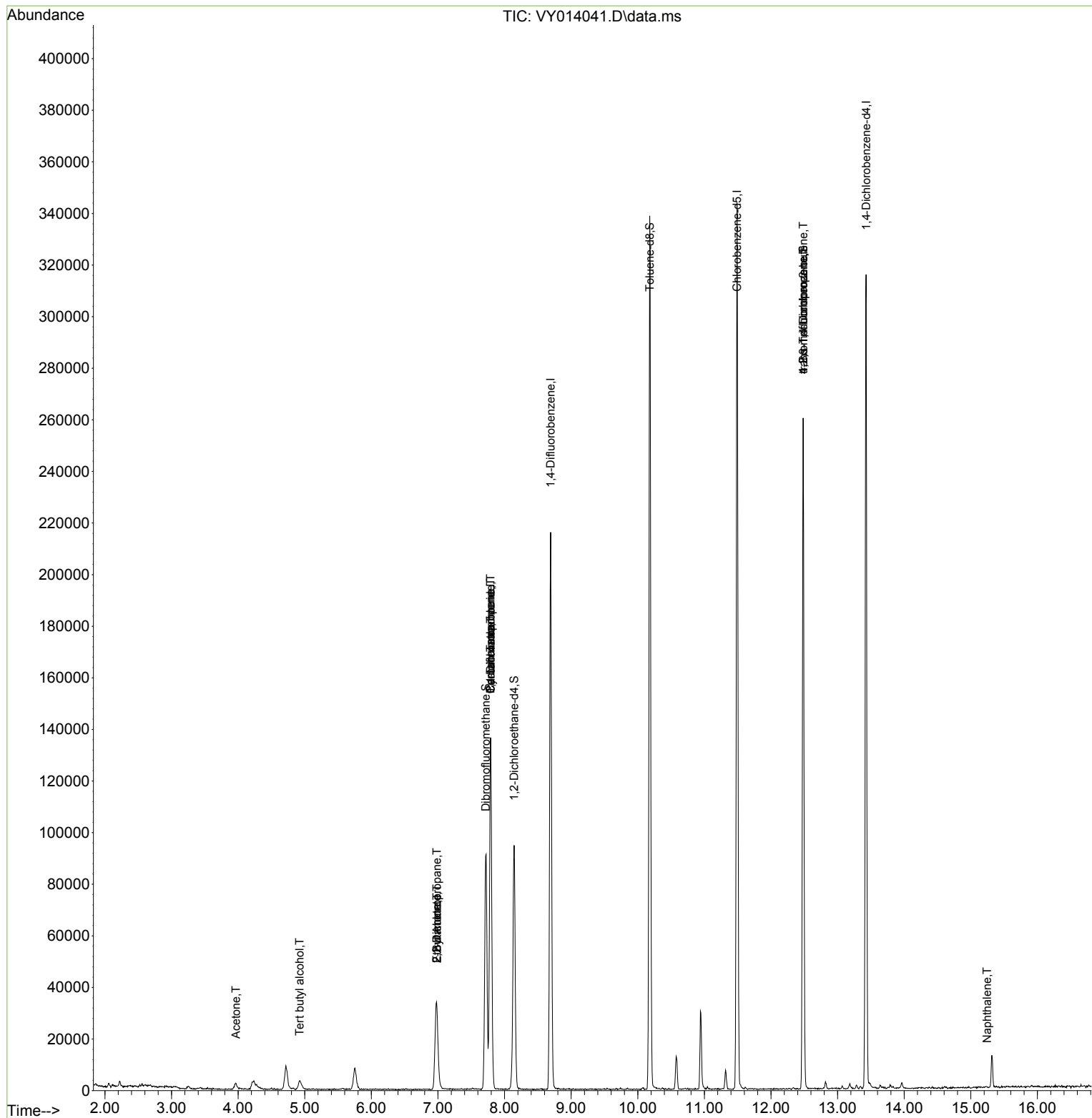
Internal Standards						
1) Pentafluorobenzene	7.789	168	104331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77760	56.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.716	113	63334	56.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.240%	
50) Toluene-d8	10.179	98	222243	52.084	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.160%	
62) 4-Bromofluorobenzene	12.483	95	71769	49.336	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	3403	11.989	ug/l #	89
16) Acetone	3.967	43	4566	9.663	ug/l	95
25) 2-Butanone	6.984	43	2052	3.486	ug/l	93
26) 2,2-Dichloropropane	6.984	77	2701	1.413	ug/l #	54
31) Cyclohexane	7.789	56	2644	1.590	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	8749	5.490	ug/l #	50
37) Ethyl Acetate	6.984	43	2052	1.477	ug/l #	1
38) Carbon Tetrachloride	7.789	117	10514	5.887	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	37996	34.389	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37996	72.957	ug/l #	11
95) Naphthalene	15.245	128	36	3.889	ug/l #	69

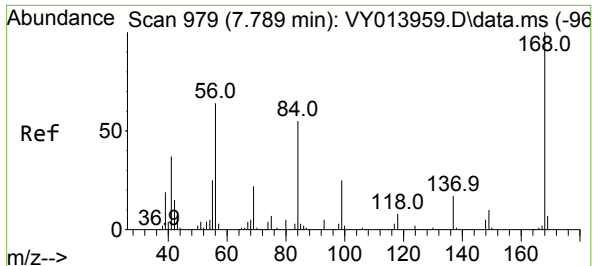
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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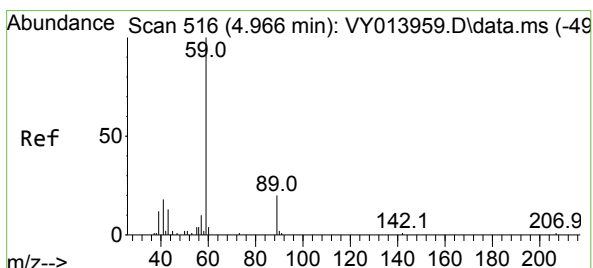
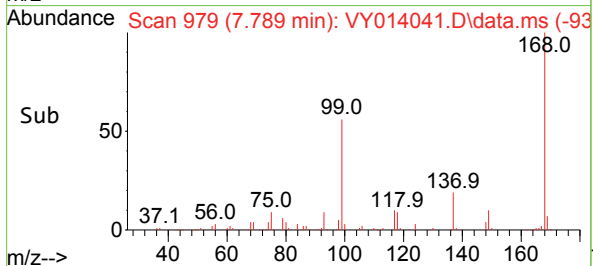
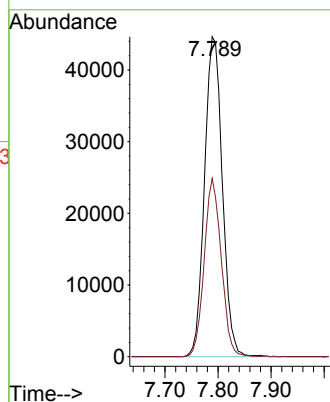
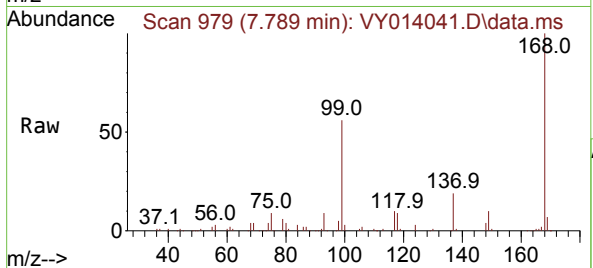




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

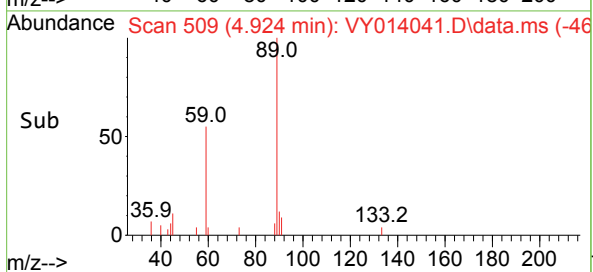
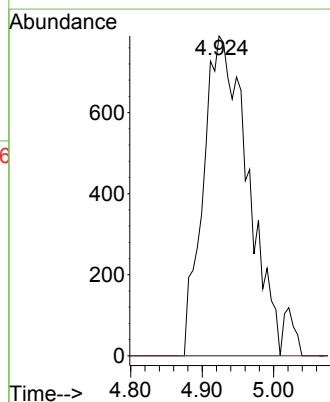
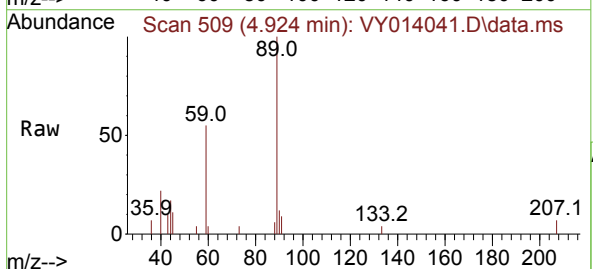
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUP

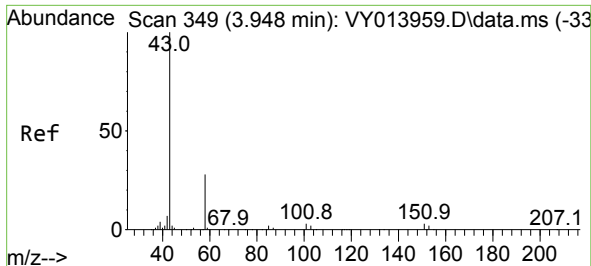
Tgt Ion:168 Resp: 104331
Ion Ratio Lower Upper
168 100
99 55.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 11.989 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

Tgt Ion: 59 Resp: 3403
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

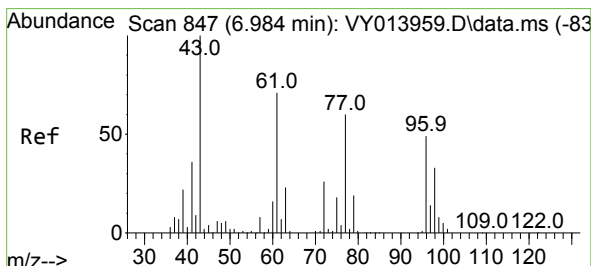
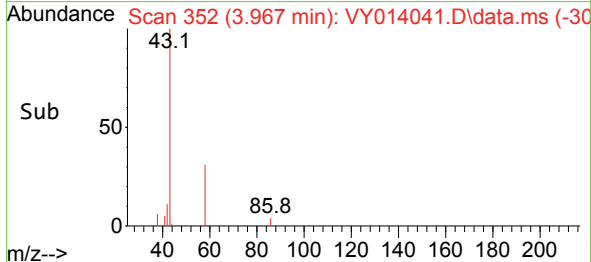
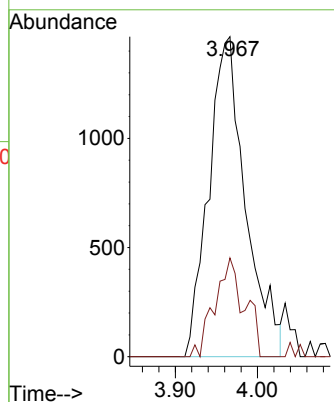
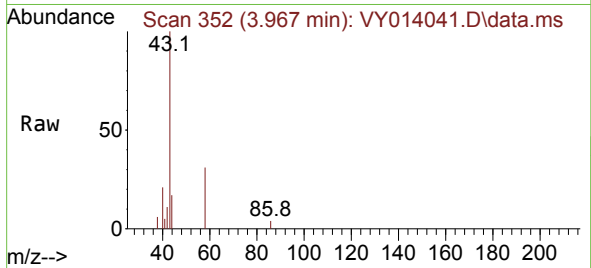




#16
Acetone
Concen: 9.663 ug/l
RT: 3.967 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

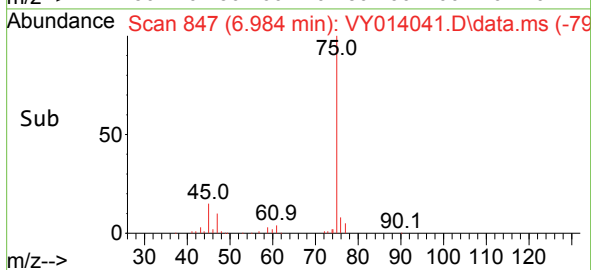
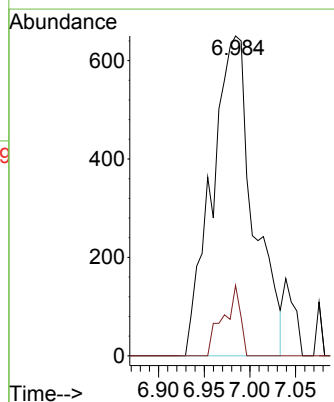
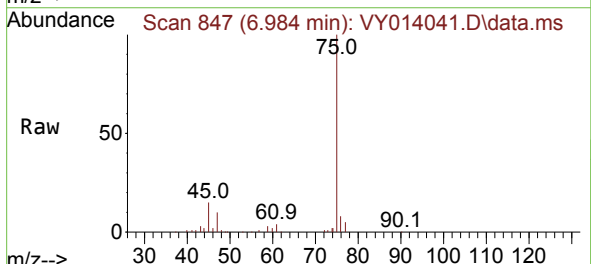
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUP

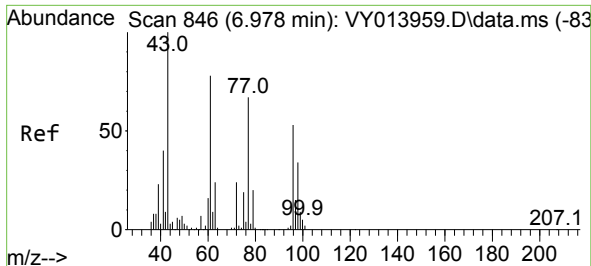
Tgt Ion: 43 Resp: 4566
Ion Ratio Lower Upper
43 100
58 30.8 22.7 34.1



#25
2-Butanone
Concen: 3.486 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
72 22.0 20.5 30.7





#26

2,2-Dichloropropane

Concen: 1.413 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

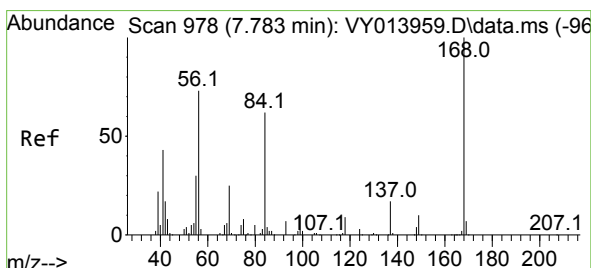
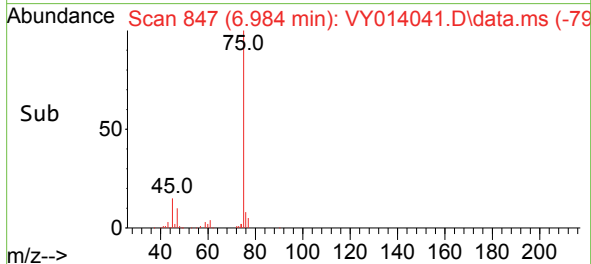
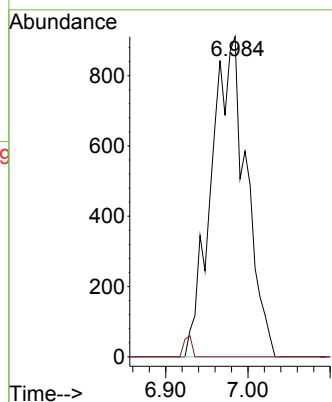
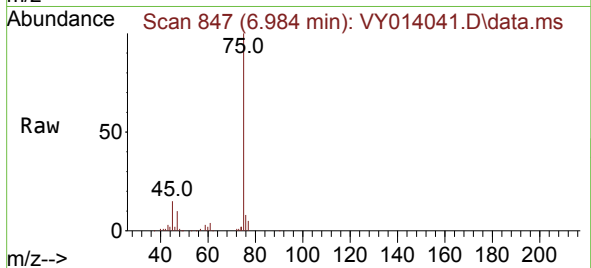
SB-02-5.0-7.0-DUP

Tgt Ion: 77 Resp: 2701

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.590 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

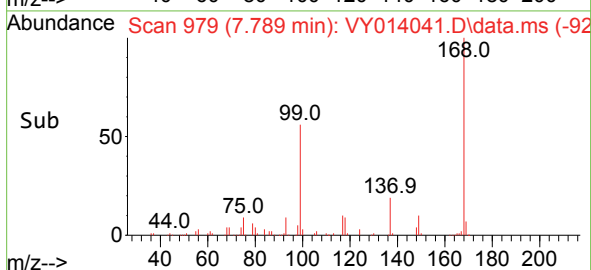
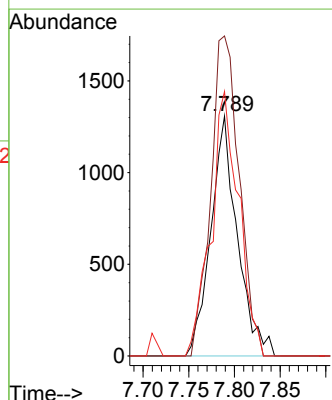
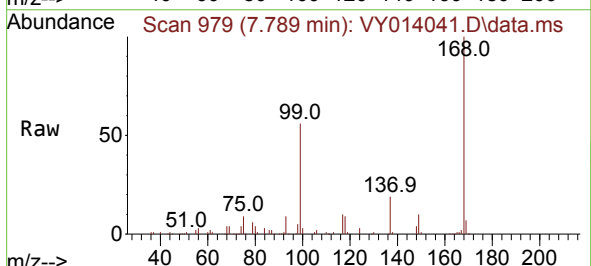
Tgt Ion: 56 Resp: 2644

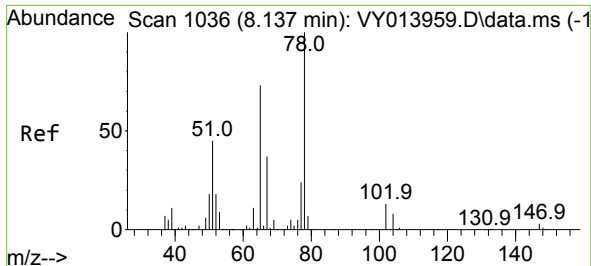
Ion Ratio Lower Upper

56 100

69 133.4 27.8 41.6#

84 110.2 66.4 99.6#

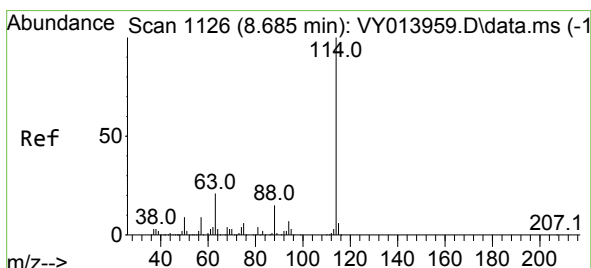
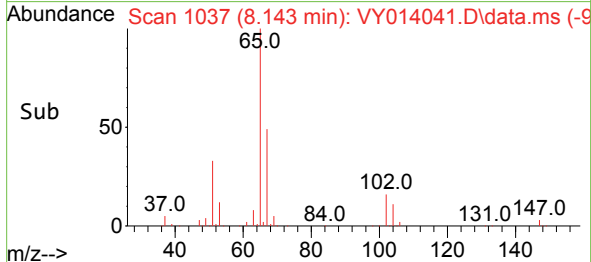
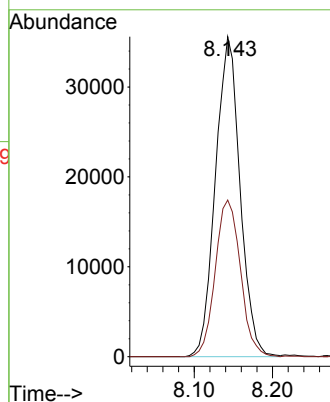
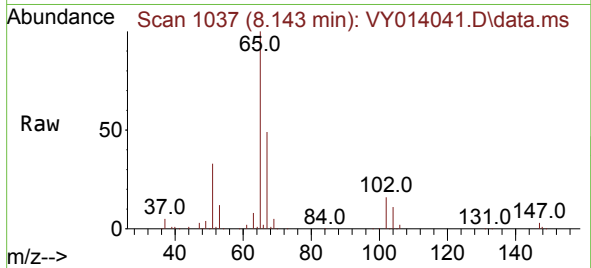




#33
 1,2-Dichloroethane-d4
 Concen: 56.303 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY014041.D
 Acq: 06 Jun 2023 19:19

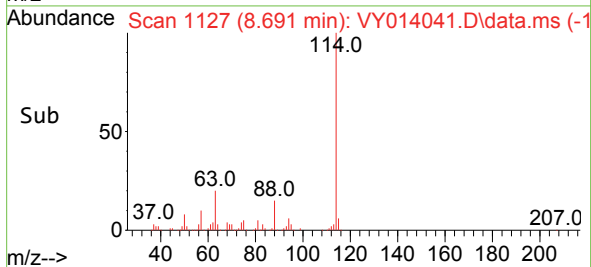
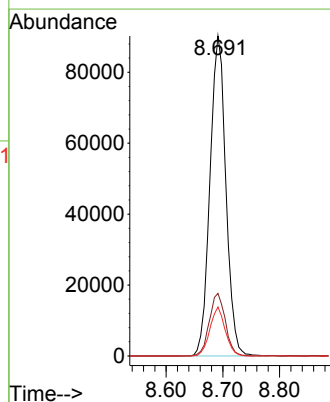
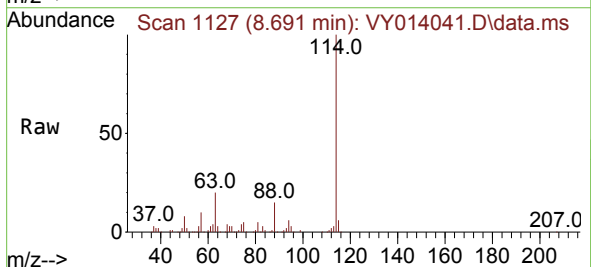
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-5.0-7.0-DUP

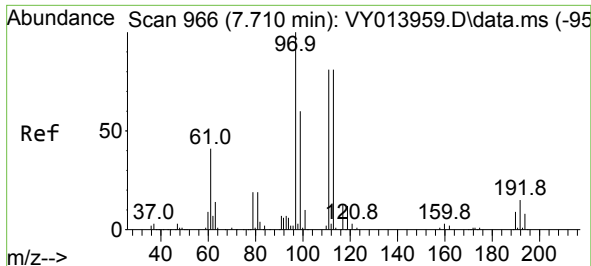
Tgt Ion: 65 Resp: 77760
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014041.D
 Acq: 06 Jun 2023 19:19

Tgt Ion: 114 Resp: 176023
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.3 0.0 30.6

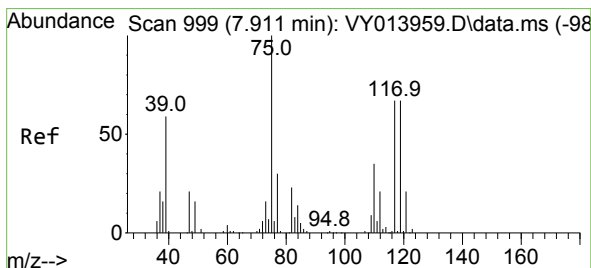
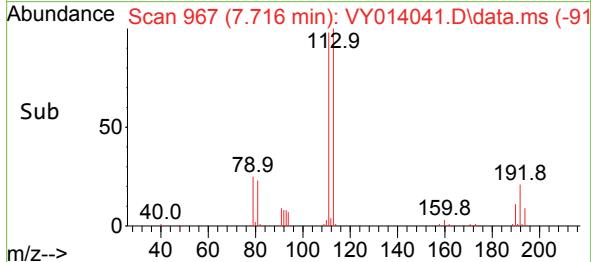
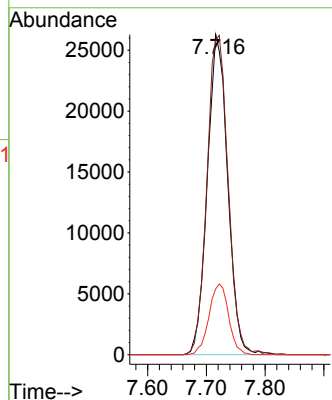
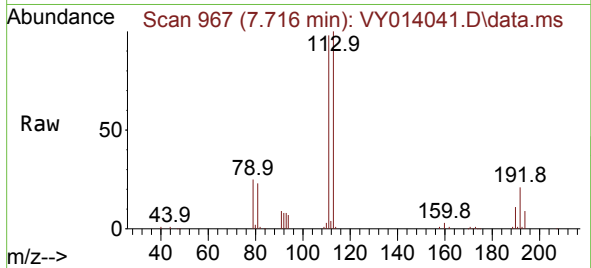




#35
Dibromofluoromethane
Concen: 56.617 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

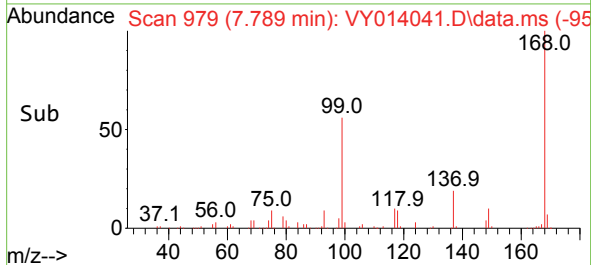
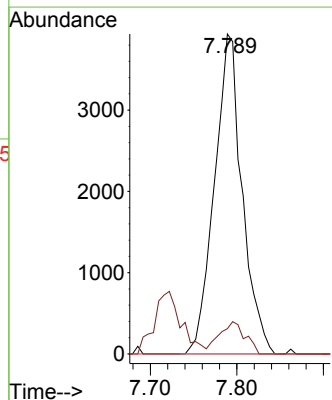
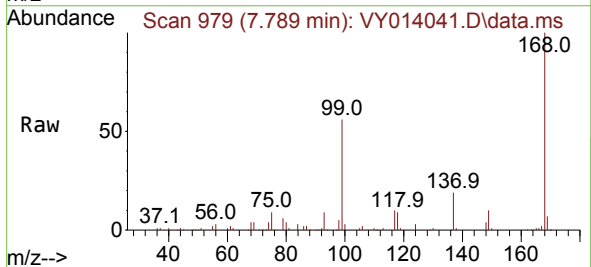
Instrument :
MSVOA_Y
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SB-02-5.0-7.0-DUP

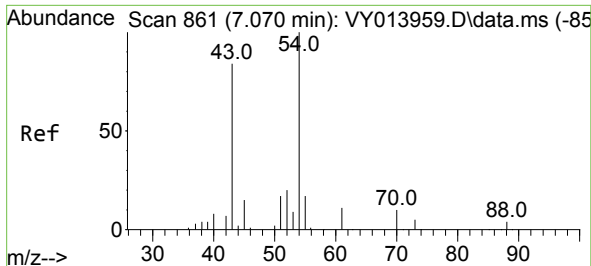
Tgt Ion:113 Resp: 63334
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.490 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

Tgt Ion: 75 Resp: 8749
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.477 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Instrument :

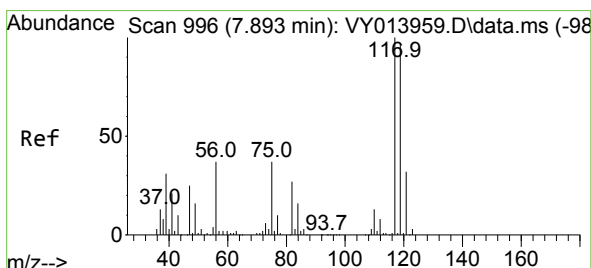
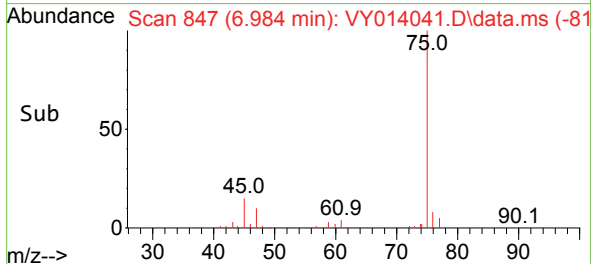
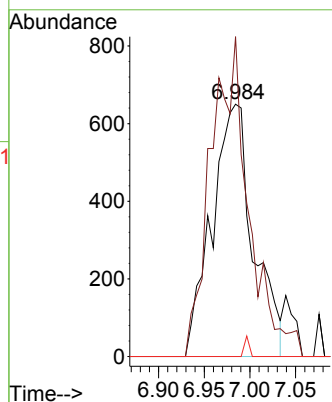
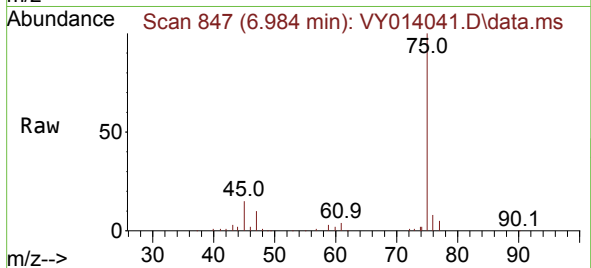
MSVOA_Y

ClientSampleId :

SB-02-5.0-7.0-DUP

Tgt Ion: 43 Resp: 2052

Ion	Ratio	Lower	Upper
43	100		
61	115.2	10.1	15.1#
70	0.9	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 7.789 min Scan# 979

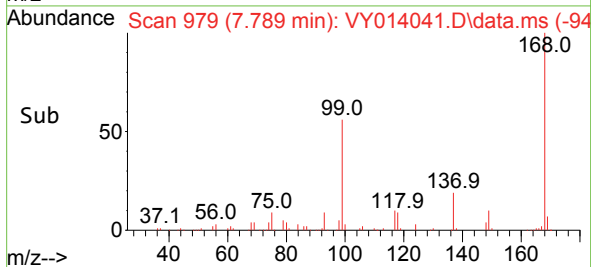
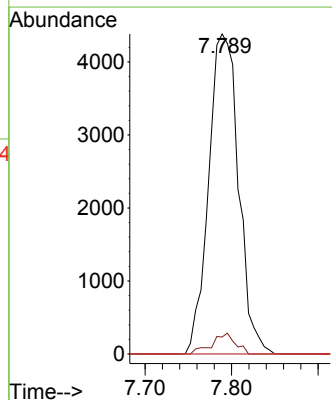
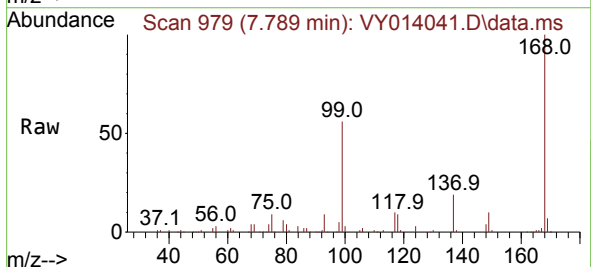
Delta R.T. -0.104 min

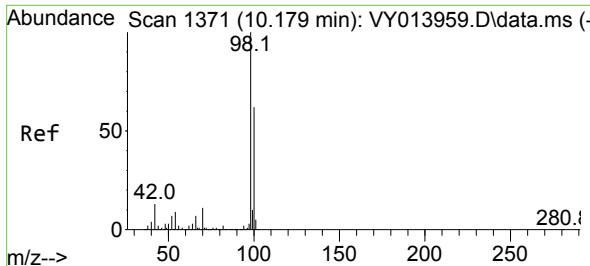
Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Tgt Ion: 117 Resp: 10514

Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.4	114.6#
121	0.0	25.8	38.6#

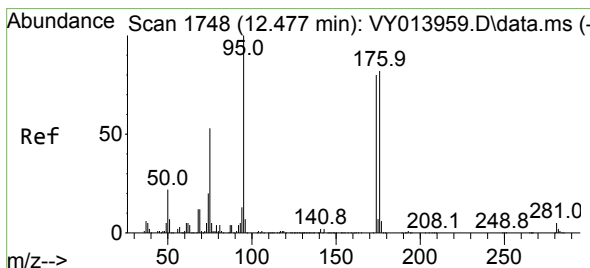
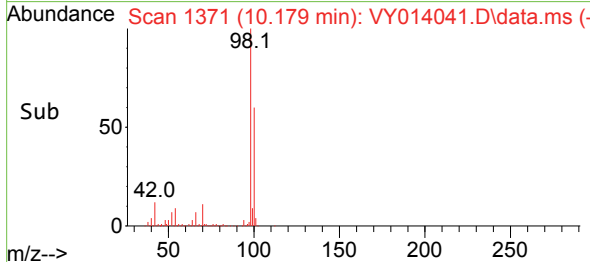
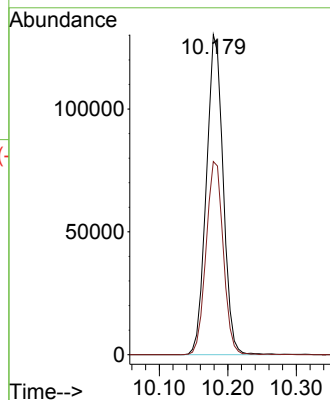
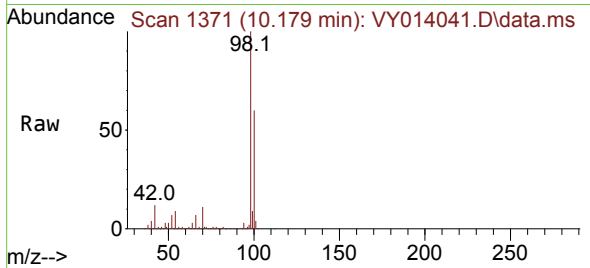




#50
Toluene-d8
Concen: 52.084 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

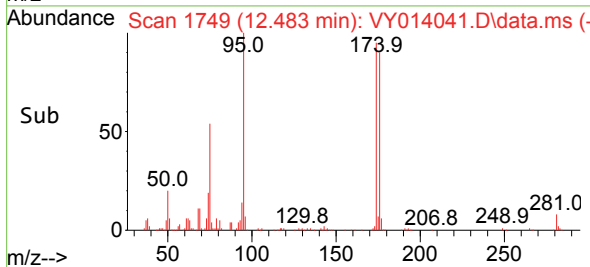
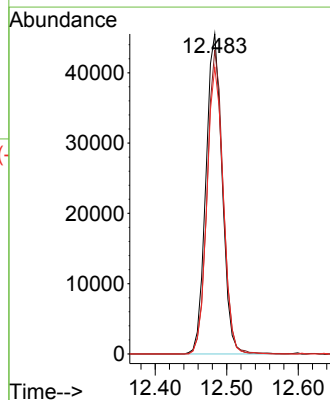
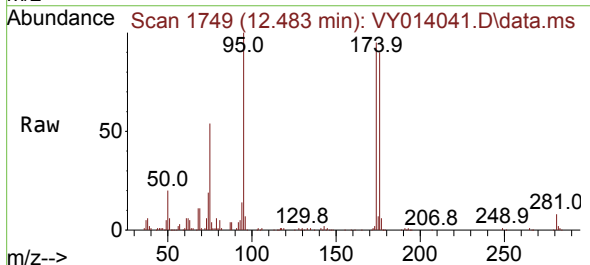
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUP

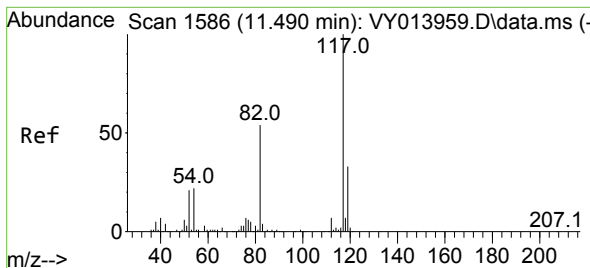
Tgt Ion: 98 Resp: 222243
Ion Ratio Lower Upper
98 100
100 61.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.336 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

Tgt Ion: 95 Resp: 71769
Ion Ratio Lower Upper
95 100
174 94.0 0.0 178.2
176 90.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-5.0-7.0-DUP

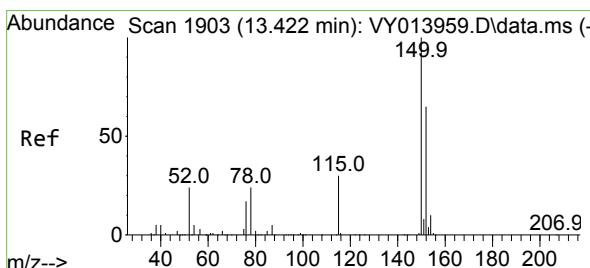
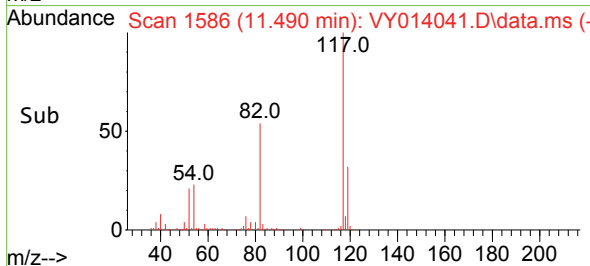
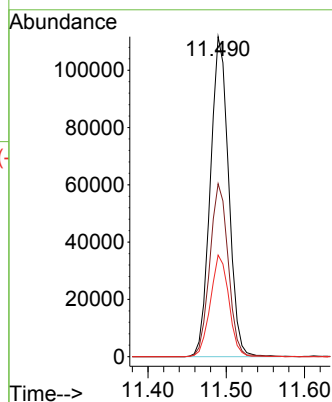
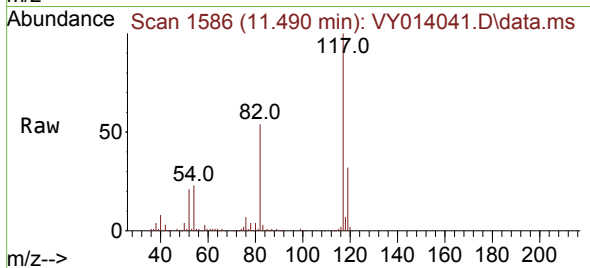
Tgt Ion:117 Resp: 180854

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014041.D

Acq: 06 Jun 2023 19:19

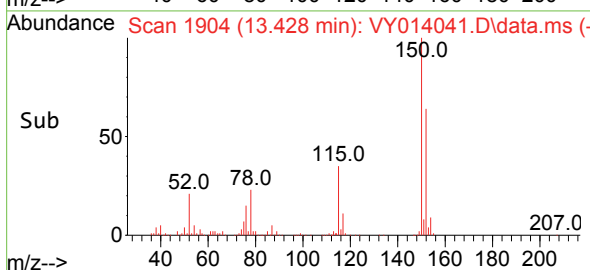
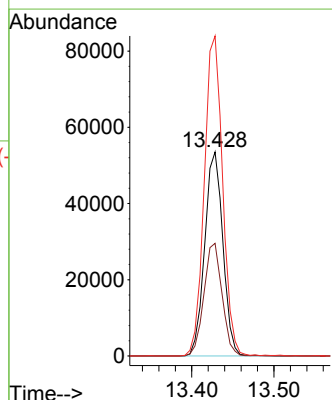
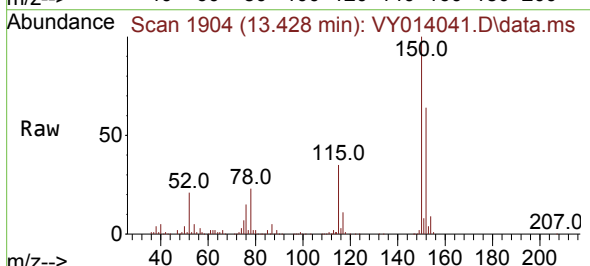
Tgt Ion:152 Resp: 82105

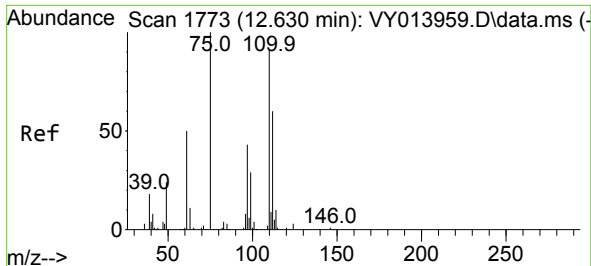
Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 158.2 0.0 348.8

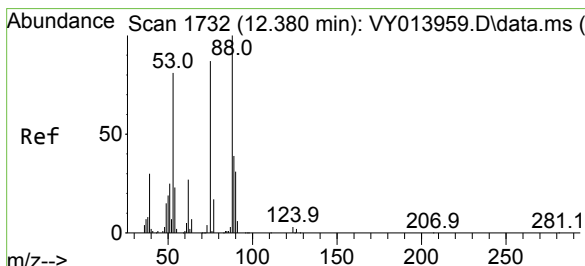
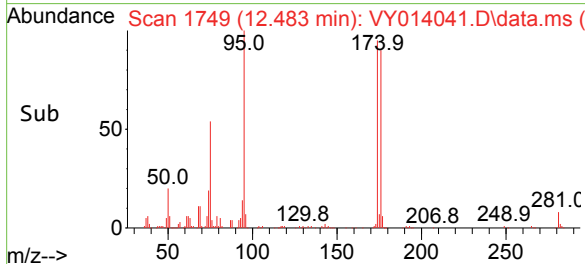
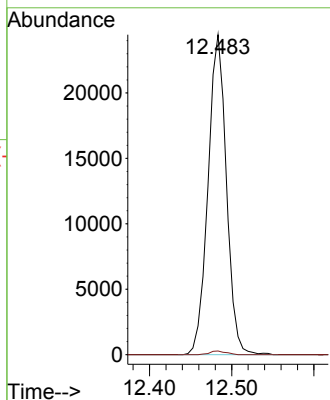
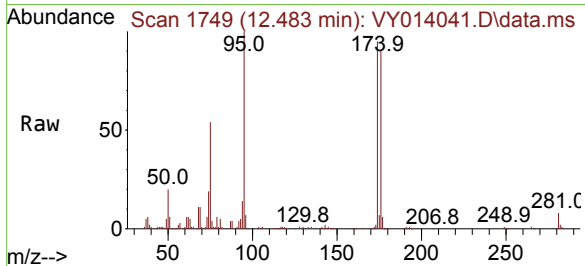




#76
1,2,3-Trichloropropane
Concen: 34.389 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

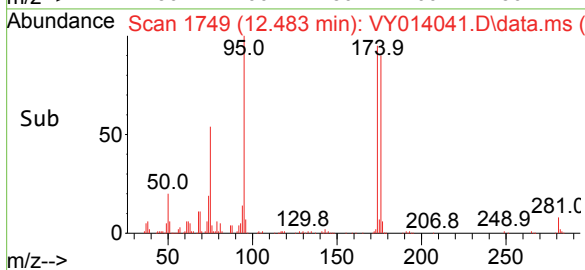
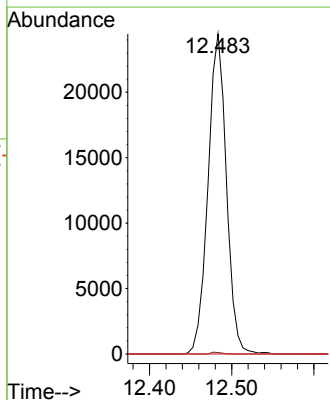
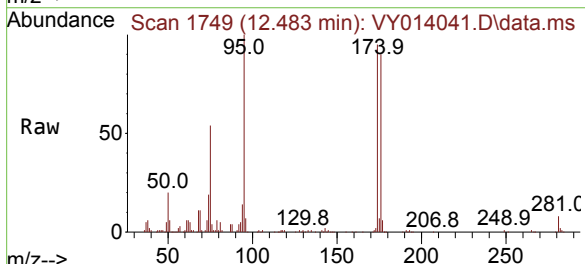
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-5.0-7.0-DUP

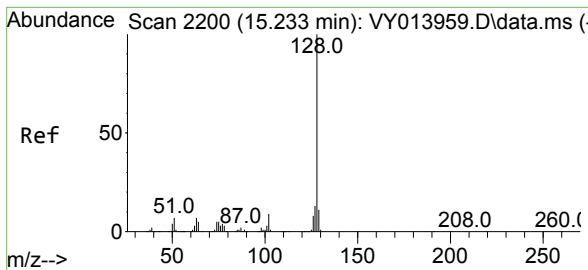
Tgt Ion: 75 Resp: 37996
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.957 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014041.D
Acq: 06 Jun 2023 19:19

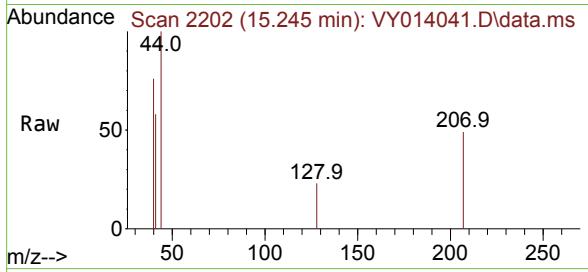
Tgt Ion: 75 Resp: 37996
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 3.889 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY014041.D
 Acq: 06 Jun 2023 19:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-5.0-7.0-DUP



Tgt Ion:	128	Resp:	36
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

