

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022423\
 Data File : VY012723.D
 Acq On : 24 Feb 2023 15:31
 Operator : KP/MD
 Sample : 01611-01
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-13-SB02

Quant Time: Feb 25 00:50:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

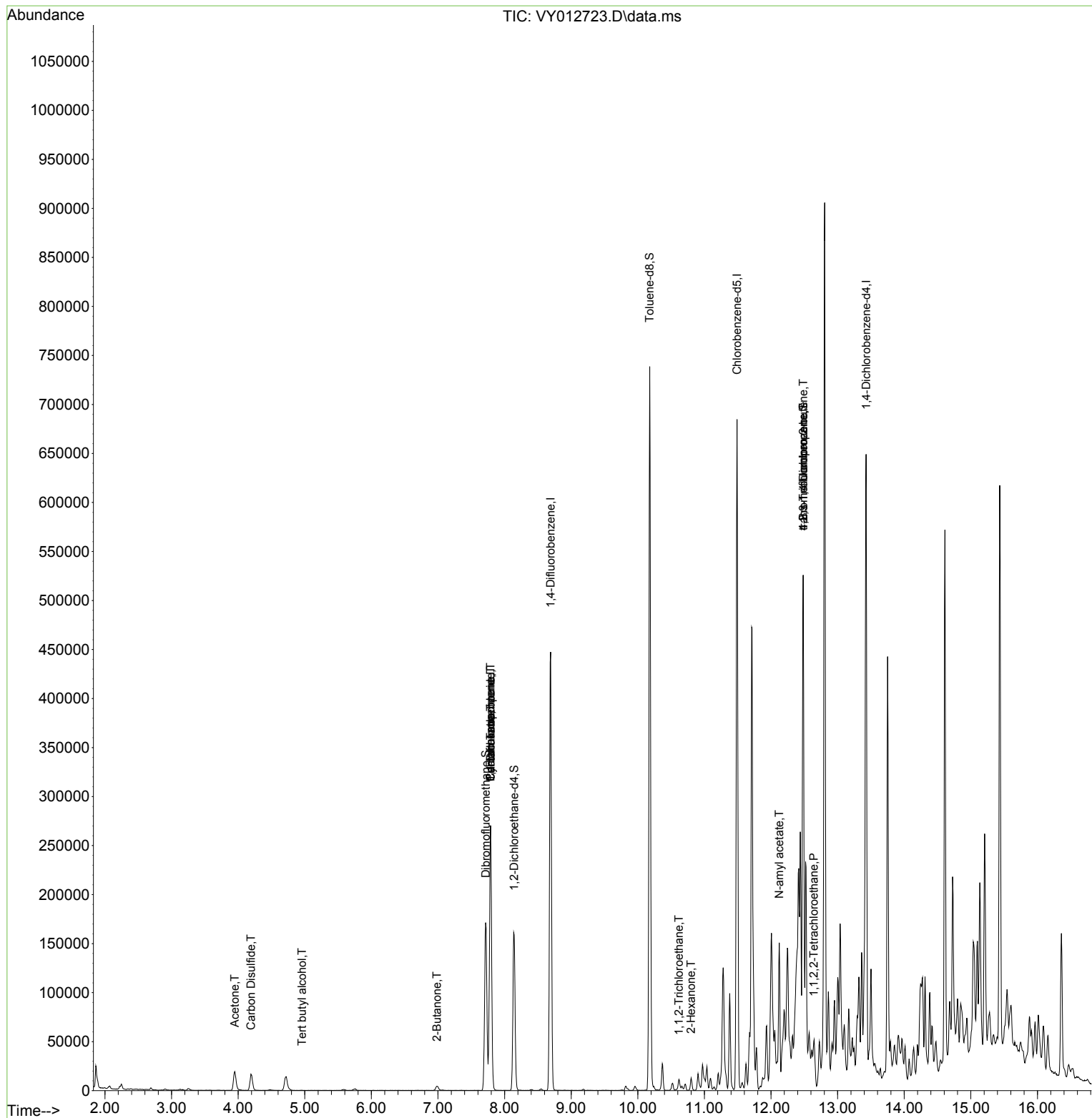
Internal Standards						
1) Pentafluorobenzene	7.789	168	208727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	378028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	351357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	123062	49.920	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.840%
35) Dibromofluoromethane	7.716	113	119875	46.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.900%
50) Toluene-d8	10.179	98	449770	47.018	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.483	95	142411	46.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	162	Below Cal	#	42
11) Tert butyl alcohol	4.960	59	290	1.075	ug/l #	74
16) Acetone	3.948	43	34556	42.959	ug/l	98
17) Carbon Disulfide	4.192	76	32478	4.377	ug/l	100
20) Methylene Chloride	4.722	84	10185	Below Cal	#	87
25) 2-Butanone	6.984	43	7332	6.868	ug/l	99
31) Cyclohexane	7.789	56	4540	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15543	3.840	ug/l #	51
38) Carbon Tetrachloride	7.789	117	20220	4.832	ug/l #	17
55) 1,1,2-Trichloroethane	10.618	97	3955	1.815	ug/l #	17
59) 2-Hexanone	10.801	43	4661	2.583	ug/l #	31
74) N-amyl acetate	12.124	43	30035	9.057	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.642	83	3803	1.677	ug/l #	87
76) 1,2,3-Trichloropropane	12.483	75	76060	44.693	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76060	94.683	ug/l #	10

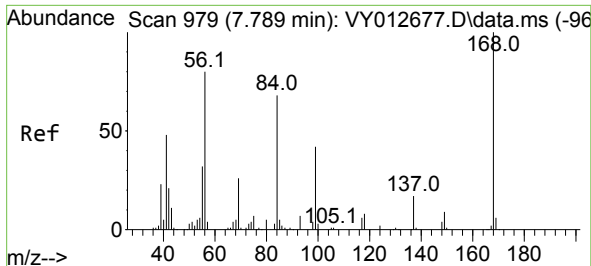
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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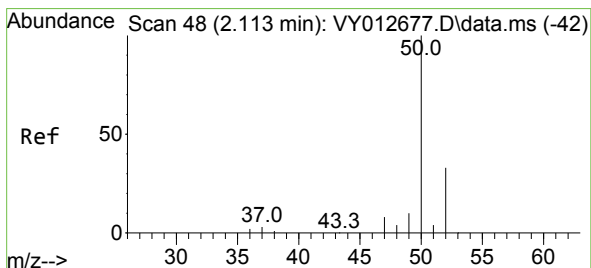
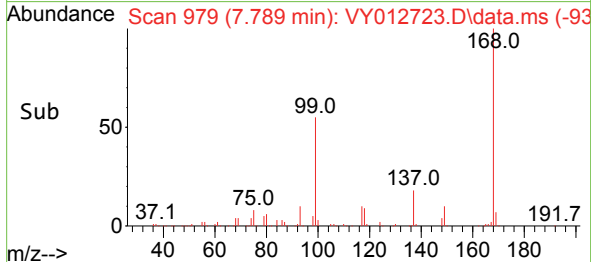
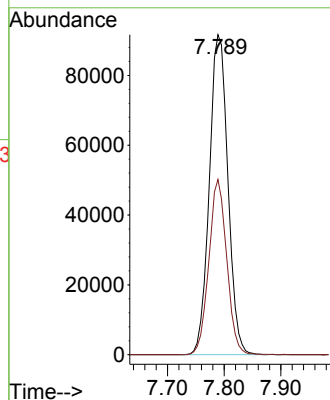
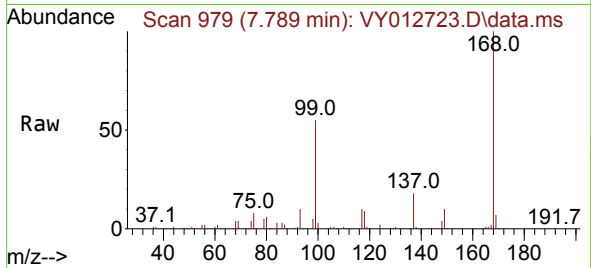




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

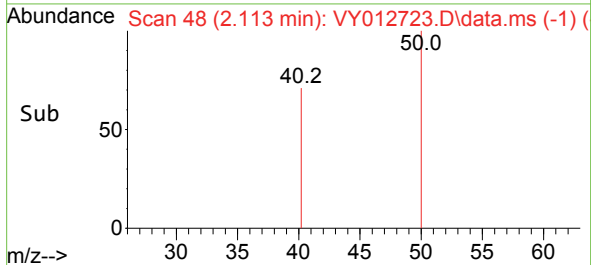
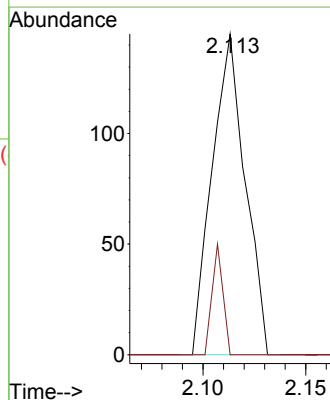
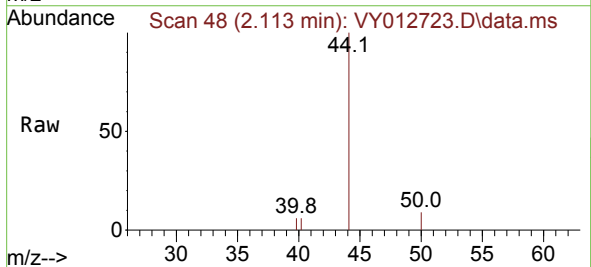
Instrument :
MSVOA_Y
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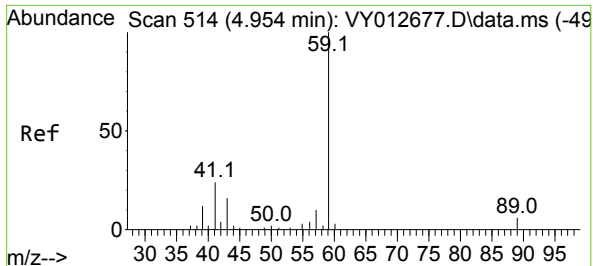
Tgt Ion:168 Resp: 208727
Ion Ratio Lower Upper
168 100
99 54.7 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 50 Resp: 162
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

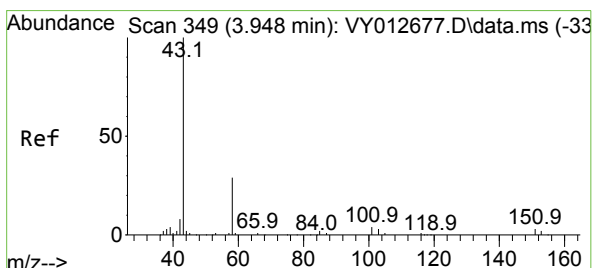
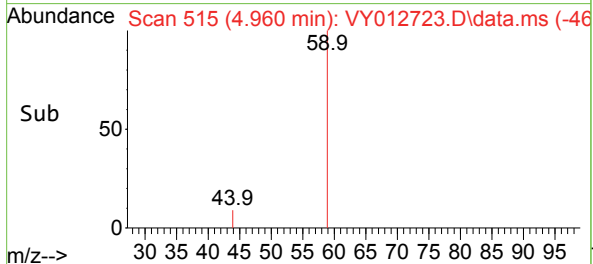
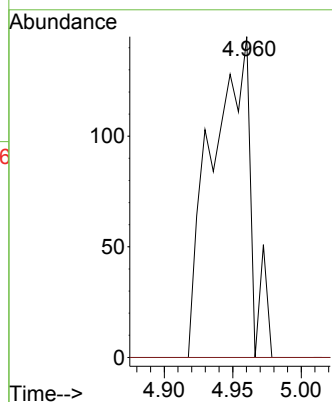
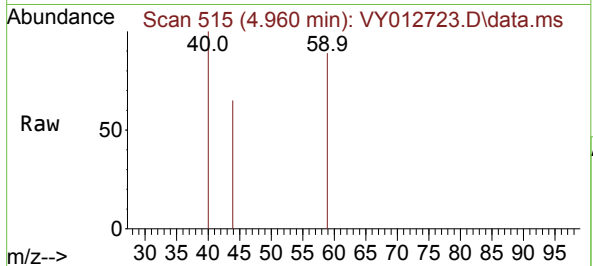




#11
Tert butyl alcohol
Concen: 1.075 ug/l
RT: 4.960 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

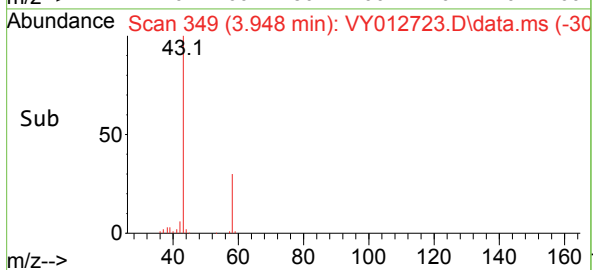
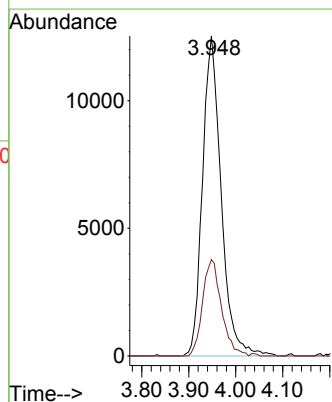
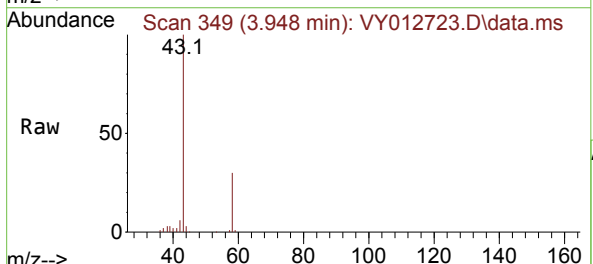
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02

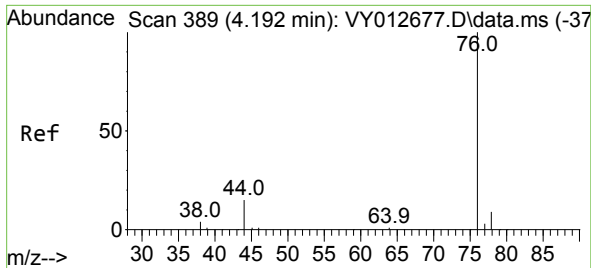
Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 42.959 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 43 Resp: 34556
Ion Ratio Lower Upper
43 100
58 30.1 23.3 34.9

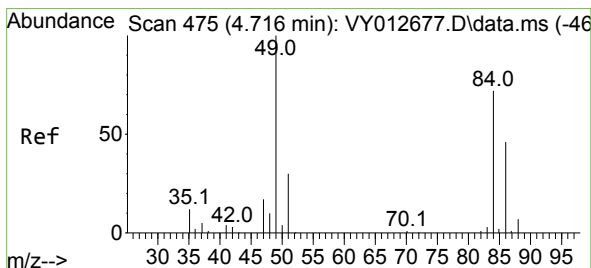
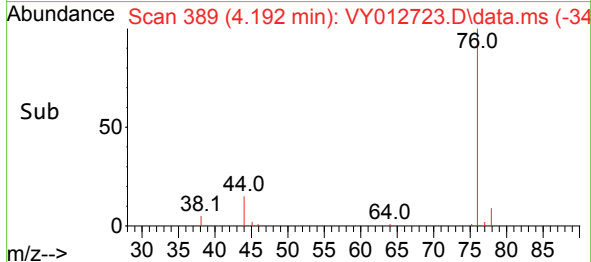
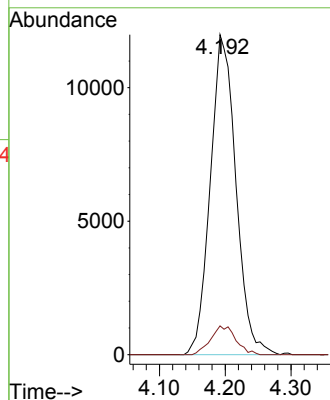
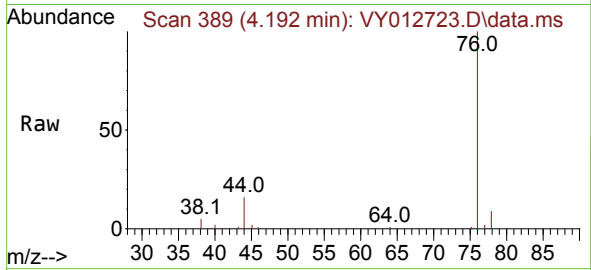




#17
Carbon Disulfide
Concen: 4.377 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

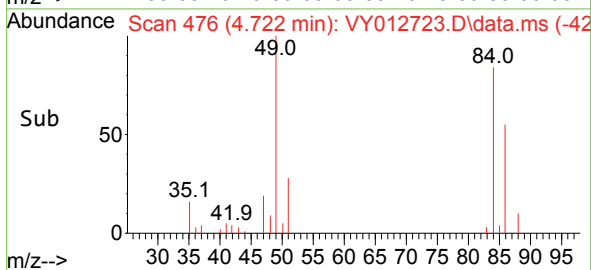
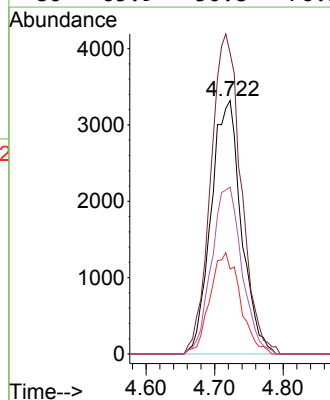
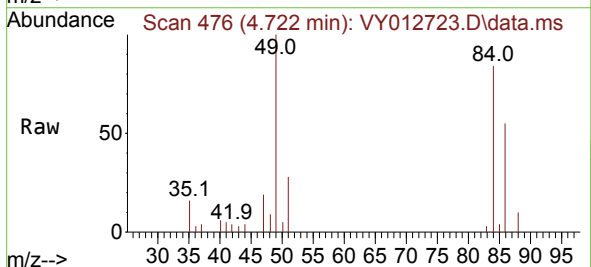
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02

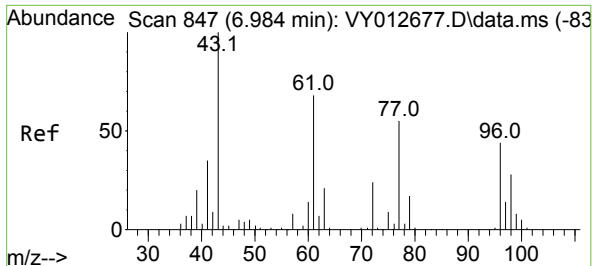
Tgt Ion: 76 Resp: 32478
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 84 Resp: 10185
Ion Ratio Lower Upper
84 100
49 118.7 111.1 166.7
51 33.5 33.5 50.3#
86 65.9 50.8 76.2





#25

2-Butanone

Concen: 6.868 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY012723.D

Acq: 24 Feb 2023 15:31

Instrument :

MSVOA_Y

ClientSampleId :

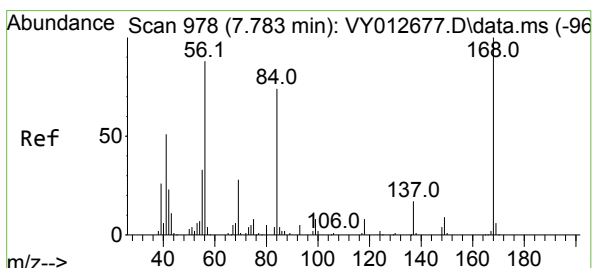
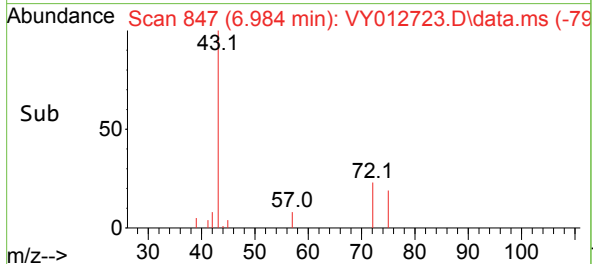
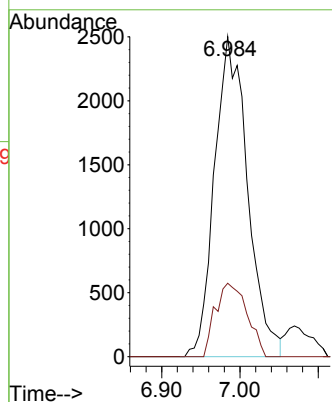
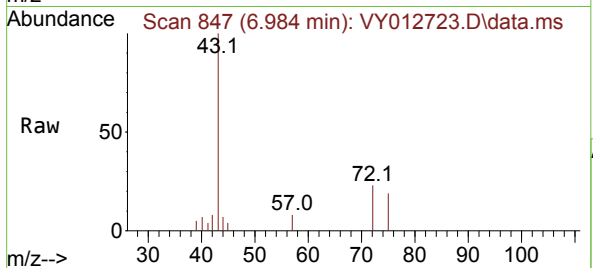
B-13-SB02

Tgt Ion: 43 Resp: 7332

Ion Ratio Lower Upper

43 100

72 23.0 18.8 28.2



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012723.D

Acq: 24 Feb 2023 15:31

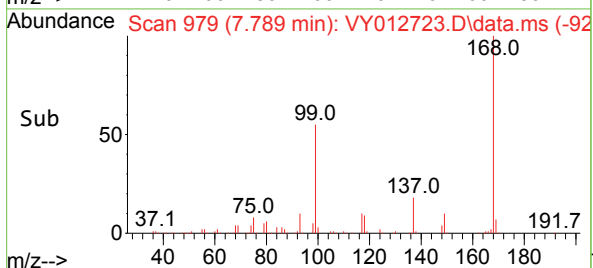
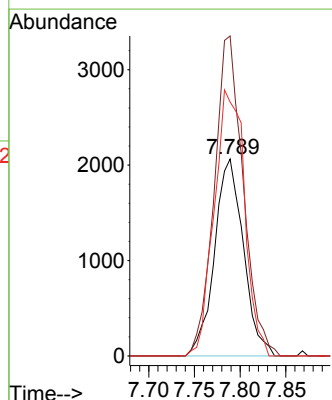
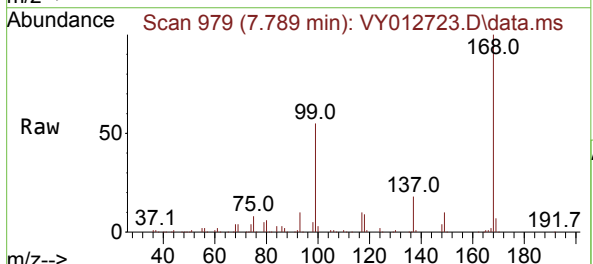
Tgt Ion: 56 Resp: 4540

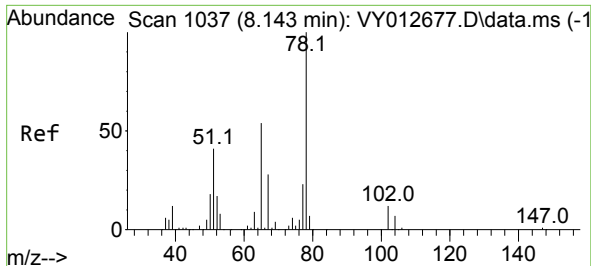
Ion Ratio Lower Upper

56 100

69 162.5 25.4 38.2#

84 129.0 67.3 100.9#

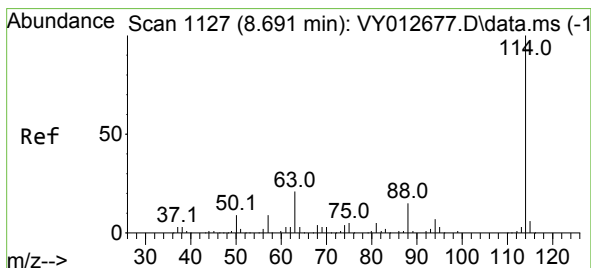
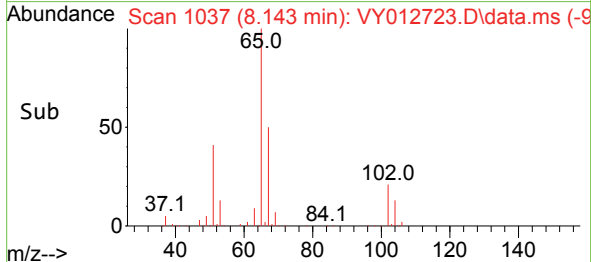
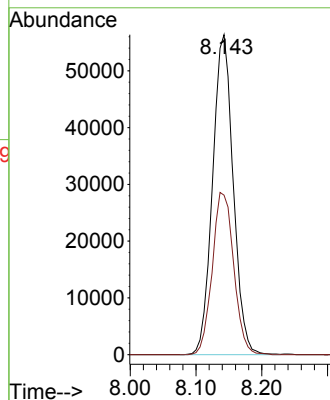
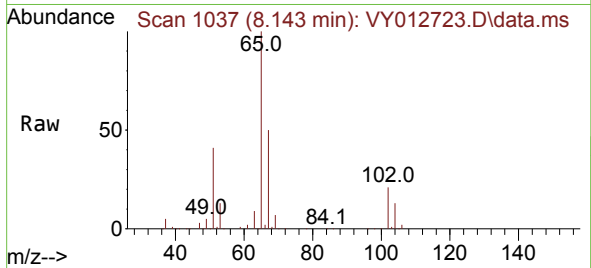




#33
1,2-Dichloroethane-d4
Concen: 49.920 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

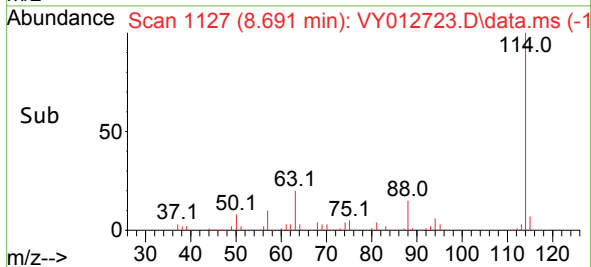
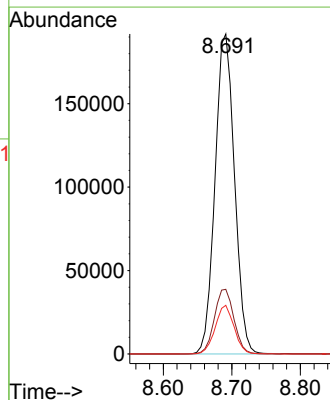
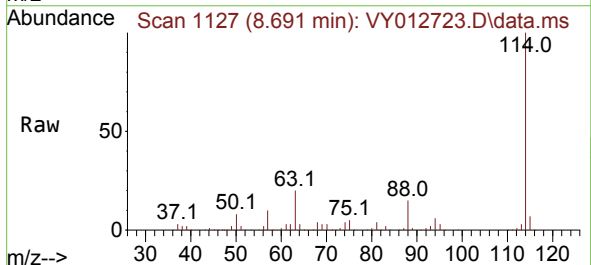
Instrument :
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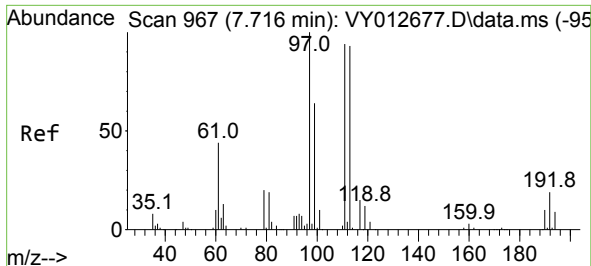
Tgt Ion: 65 Resp: 123062
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion:114 Resp: 378028
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.8
88 15.2 0.0 29.6

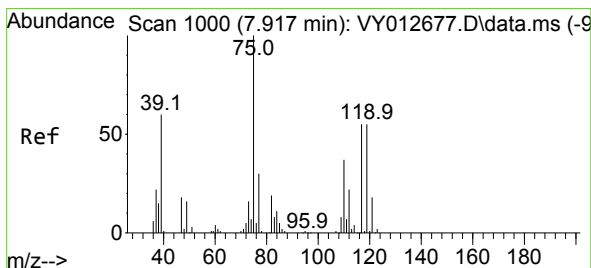
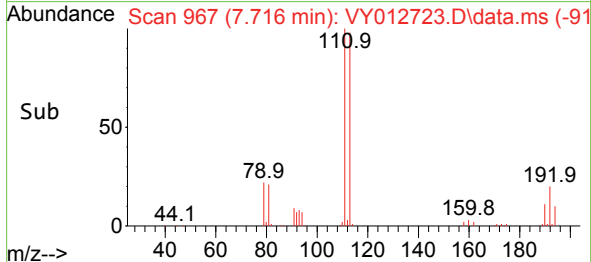
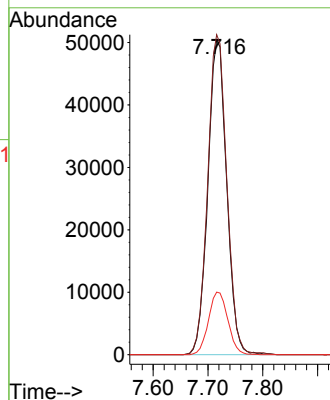
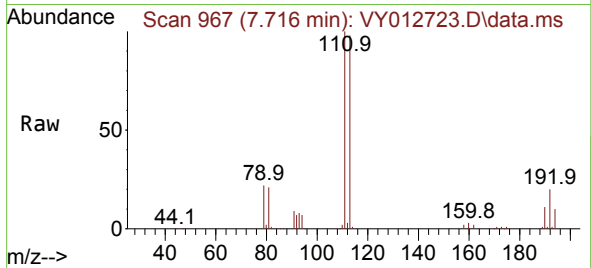




#35
Dibromofluoromethane
Concen: 46.949 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

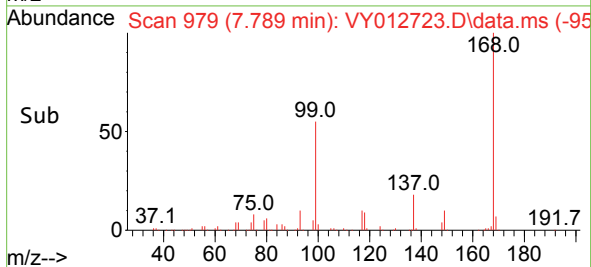
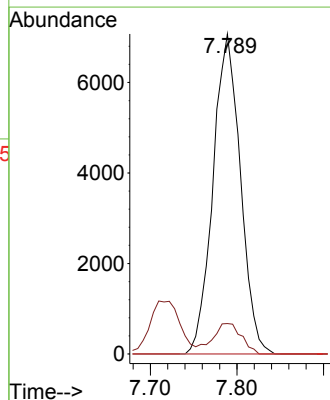
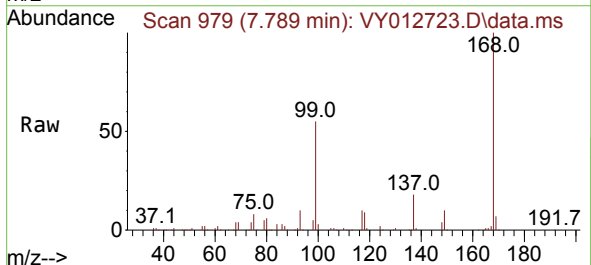
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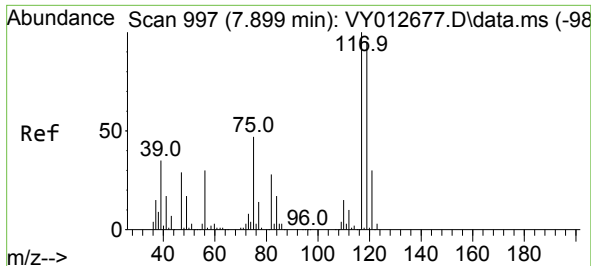
Tgt Ion:113 Resp: 119875
Ion Ratio Lower Upper
113 100
111 103.4 82.0 123.0
192 20.5 16.2 24.2



#36
1,1-Dichloropropene
Concen: 3.840 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 75 Resp: 15543
Ion Ratio Lower Upper
75 100
110 10.0 17.6 52.8#
77 0.0 24.6 37.0#

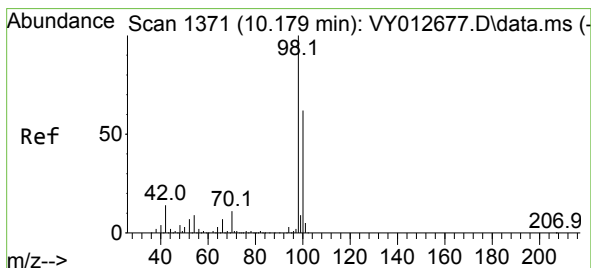
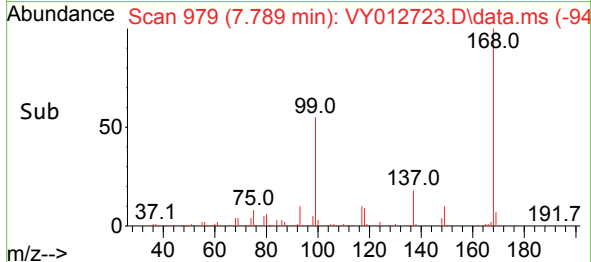
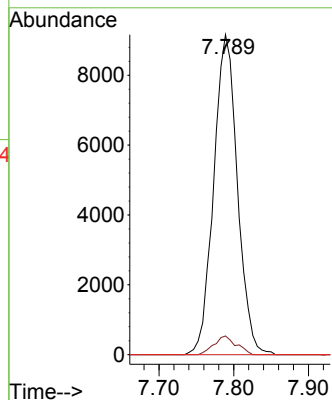
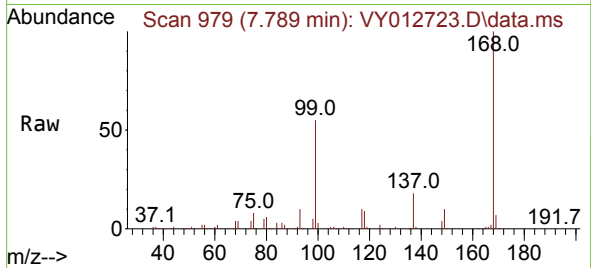




#38
Carbon Tetrachloride
Concen: 4.832 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

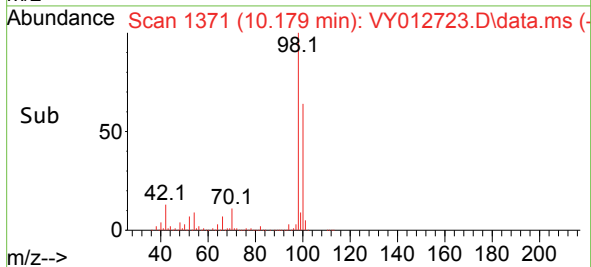
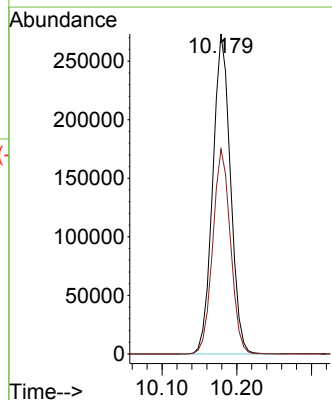
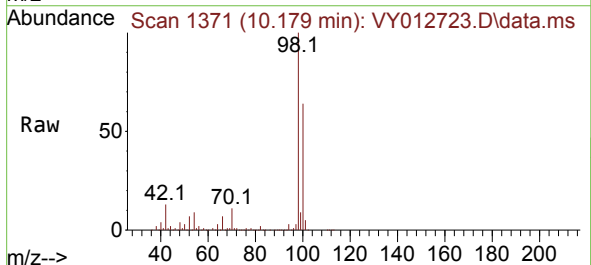
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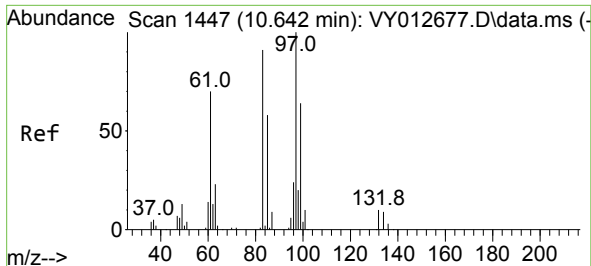
Tgt Ion:117 Resp: 20220
Ion Ratio Lower Upper
117 100
119 5.8 75.5 113.3#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 47.018 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 98 Resp: 449770
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8

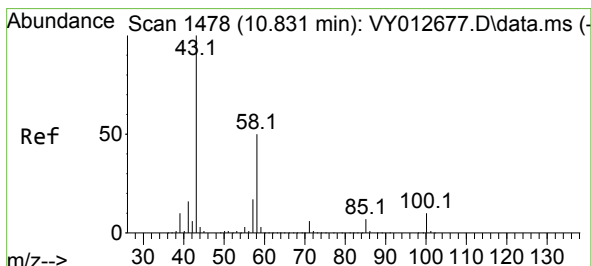
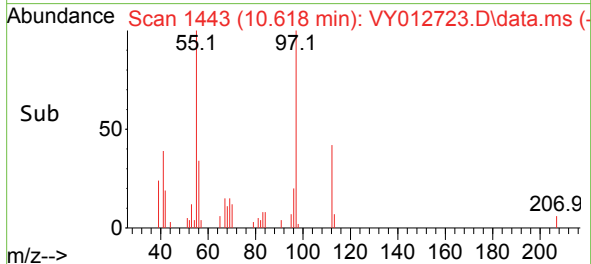
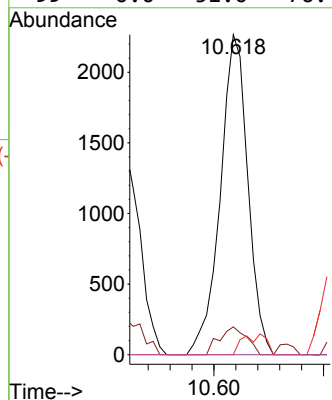
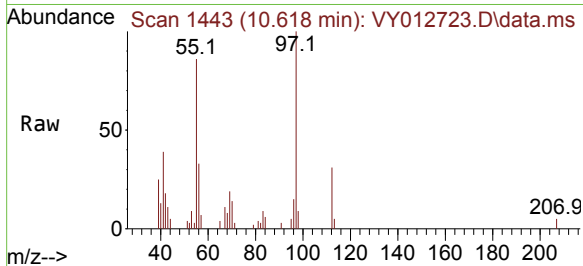




#55
1,1,2-Trichloroethane
Concen: 1.815 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

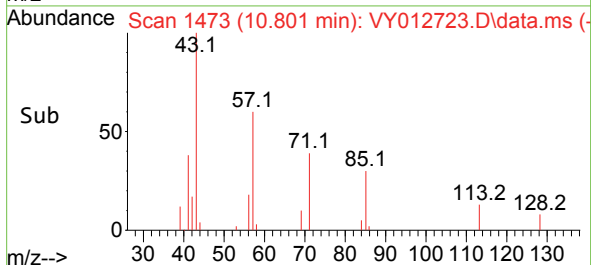
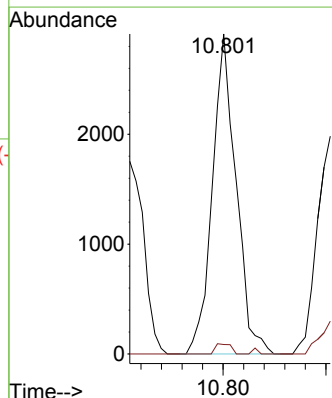
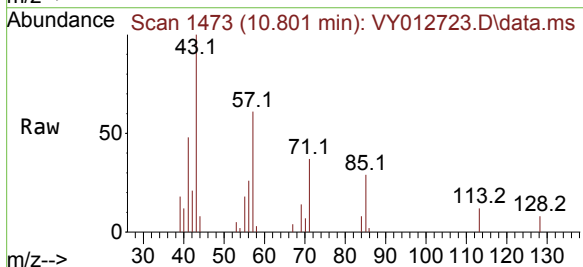
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02

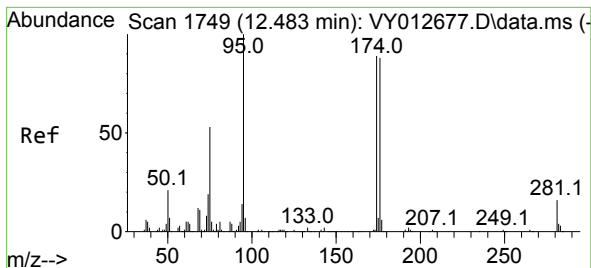
Tgt Ion: 97	Resp:	3955
Ion Ratio	Lower	Upper
97	100	
83	8.7	73.1 109.7#
85	0.0	46.1 69.1#
99	0.0	51.0 76.4#



#59
2-Hexanone
Concen: 2.583 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 43	Resp:	4661
Ion Ratio	Lower	Upper
43	100	
58	2.1	24.9 74.6#

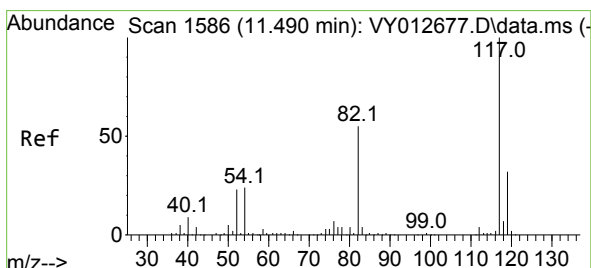
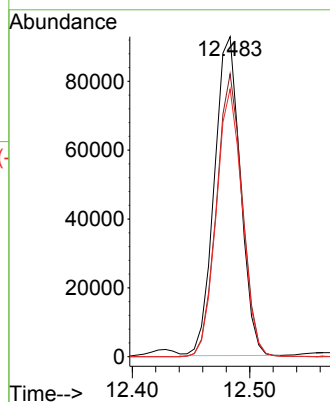
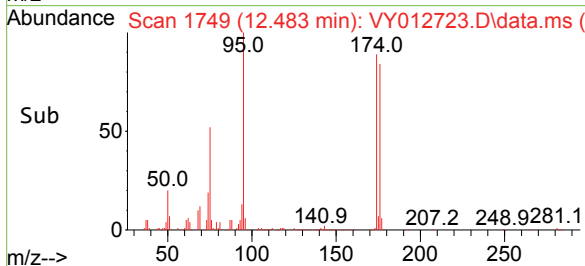
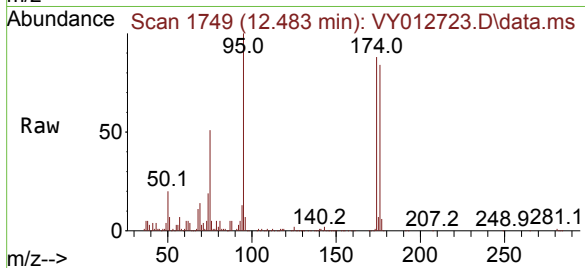




#62
4-Bromofluorobenzene
Concen: 46.522 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

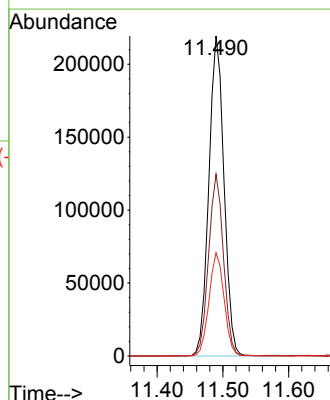
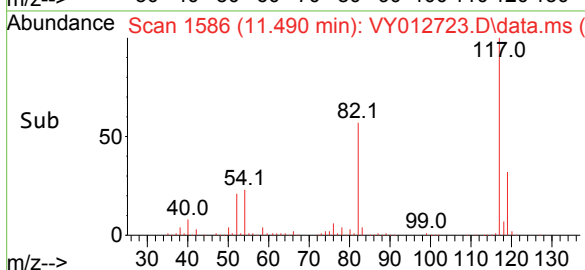
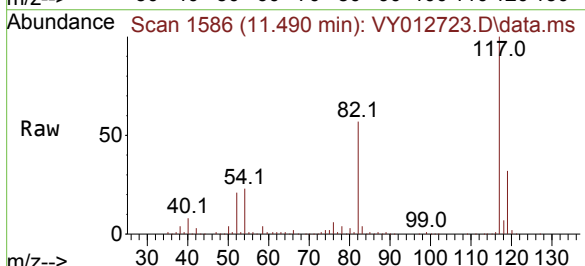
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02

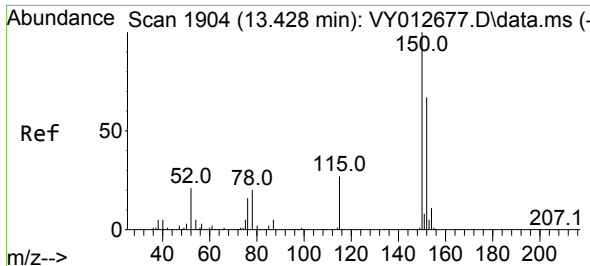
Tgt Ion: 95 Resp: 142411
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.8
176 84.0 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 117 Resp: 351357
Ion Ratio Lower Upper
117 100
82 56.7 44.1 66.1
119 32.3 25.5 38.3

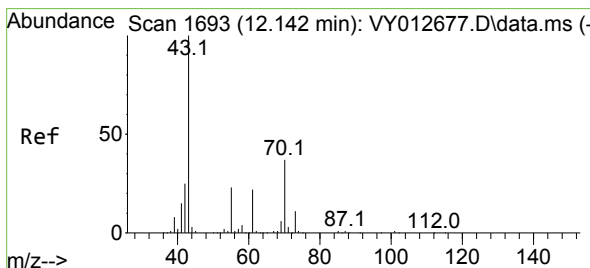
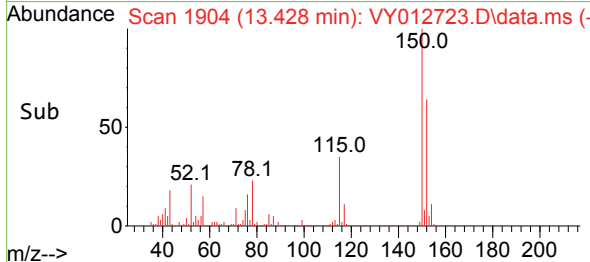
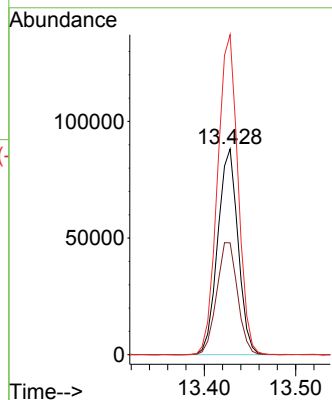
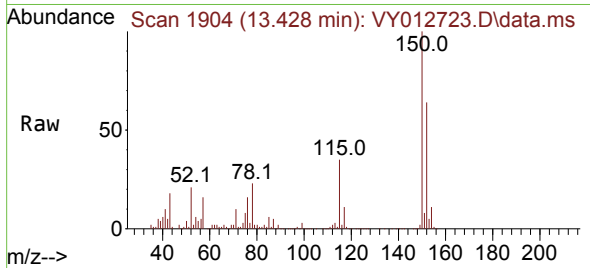




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

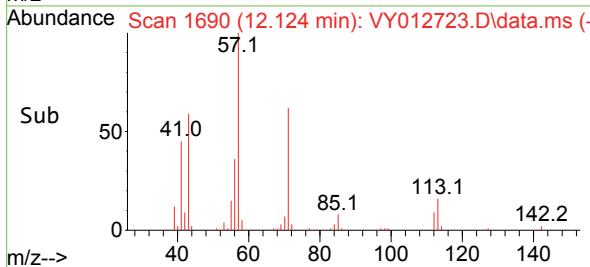
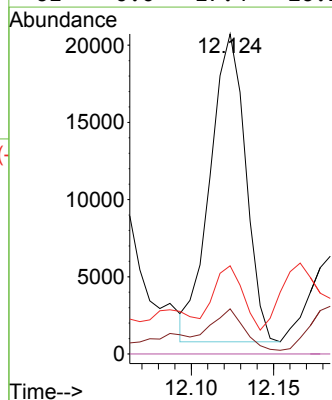
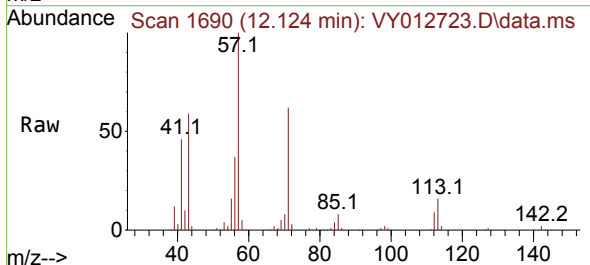
Instrument :
MSVOA_Y
ClientSampleId :
B-13-SB02

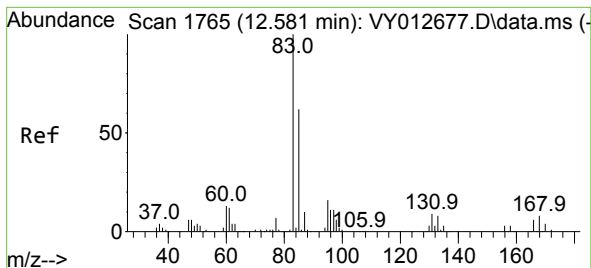
Tgt Ion:152 Resp: 136509
Ion Ratio Lower Upper
152 100
115 56.1 28.7 86.3
150 156.7 0.0 347.6



#74
N-ethyl acetate
Concen: 9.057 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY012723.D
Acq: 24 Feb 2023 15:31

Tgt Ion: 43 Resp: 30035
Ion Ratio Lower Upper
43 100
70 19.3 29.8 44.6#
55 16.7 18.2 27.2#
61 0.0 17.4 26.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.677 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.061 min

Lab File: VY012723.D

Acq: 24 Feb 2023 15:31

Instrument :

MSVOA_Y

ClientSampleId :

B-13-SB02

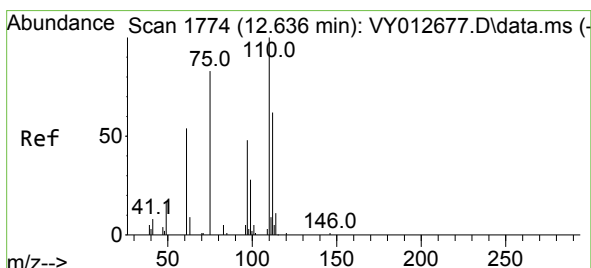
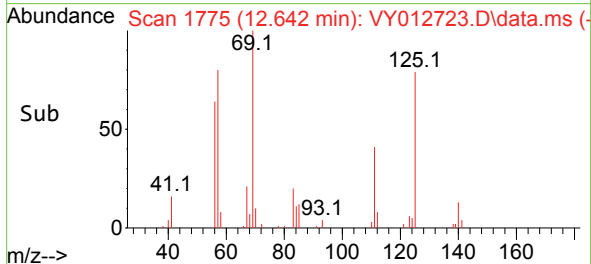
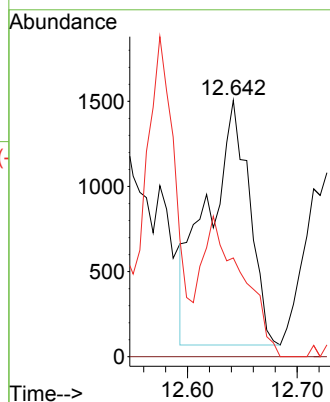
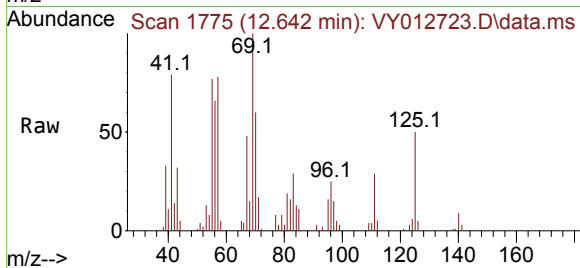
Tgt Ion: 83 Resp: 3803

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 54.6 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 44.693 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY012723.D

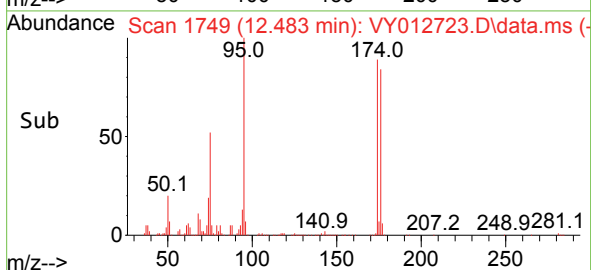
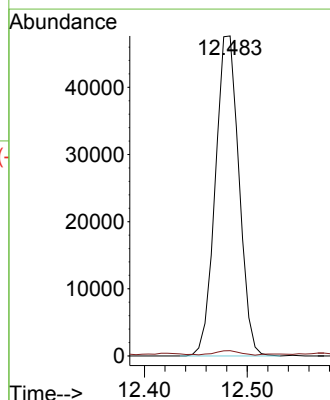
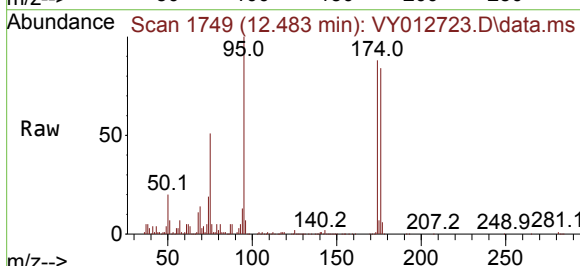
Acq: 24 Feb 2023 15:31

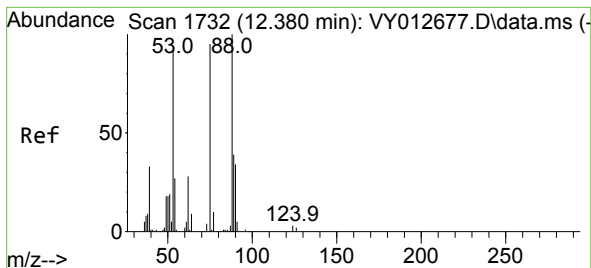
Tgt Ion: 75 Resp: 76060

Ion Ratio Lower Upper

75 100

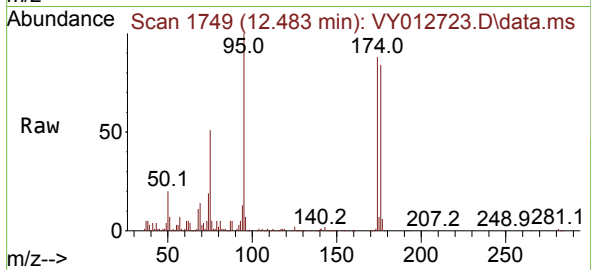
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.683 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012723.D
 Acq: 24 Feb 2023 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-13-SB02



Tgt Ion: 75 Resp: 76060
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.4 120.6#
 89 0.0 36.5 54.7#

