

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012562.D
 Acq On : 09 Feb 2023 13:35
 Operator : KP/MD
 Sample : 01442-01RE
 Misc : 5.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-01-SB02

Quant Time: Feb 10 05:57:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

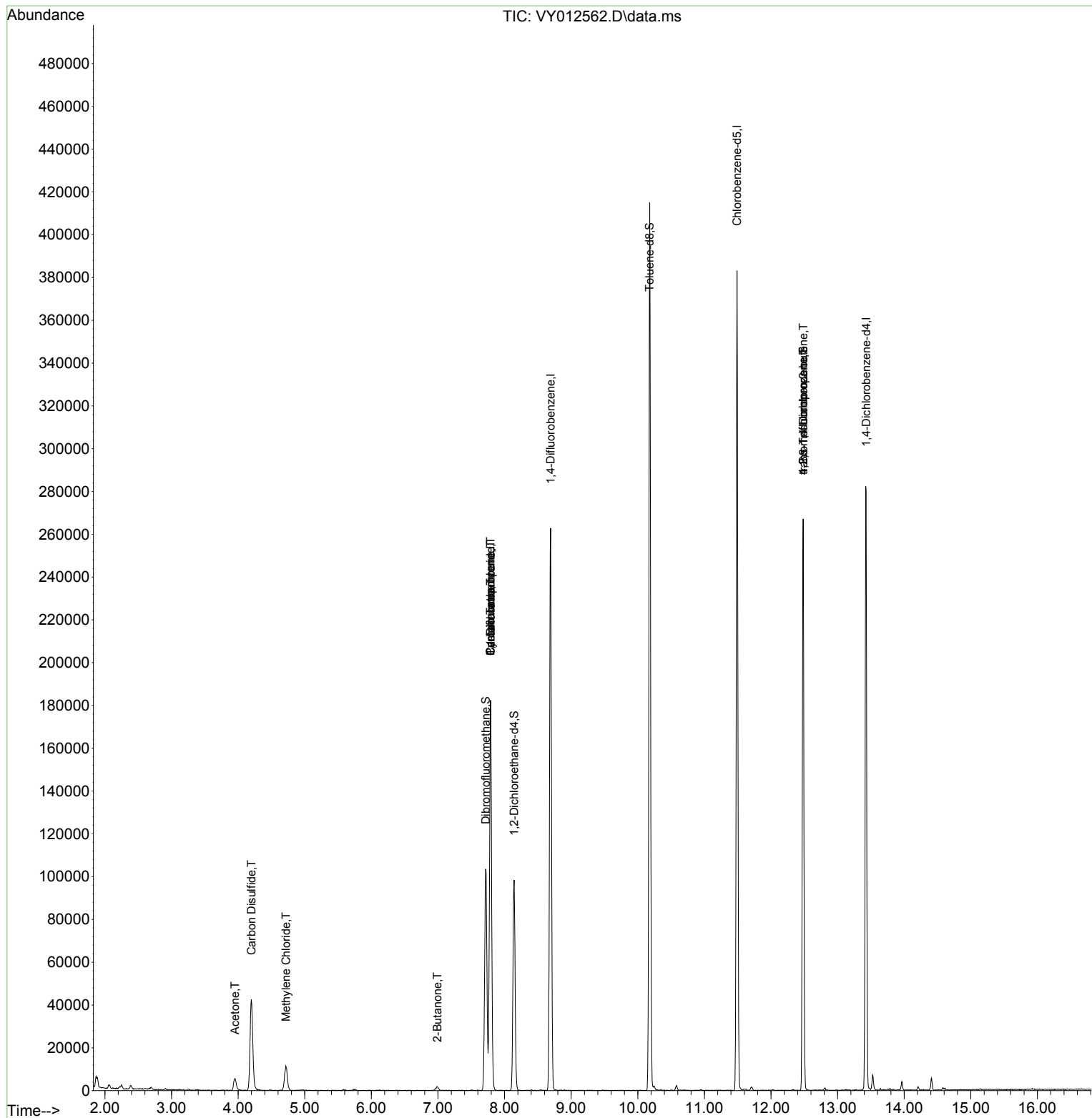
Internal Standards						
1) Pentafluorobenzene	7.789	168	143865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	237035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84417	46.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.280%
35) Dibromofluoromethane	7.716	113	71041	41.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.300%
50) Toluene-d8	10.179	98	277565	38.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.260%
62) 4-Bromofluorobenzene	12.483	95	77670	30.991	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	90	Below Cal	#	71
11) Tert butyl alcohol	4.954	59	660	Below Cal	#	75
16) Acetone	3.954	43	10320	23.438	ug/l	95
17) Carbon Disulfide	4.198	76	80797	21.750	ug/l	98
20) Methylene Chloride	4.716	84	9117	1.448	ug/l	97
25) 2-Butanone	6.990	43	2233	4.571	ug/l	96
31) Cyclohexane	7.789	56	2628	1.242	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	9258	3.963	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13706	4.370	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	40824	46.110	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40824	103.980	ug/l #	12

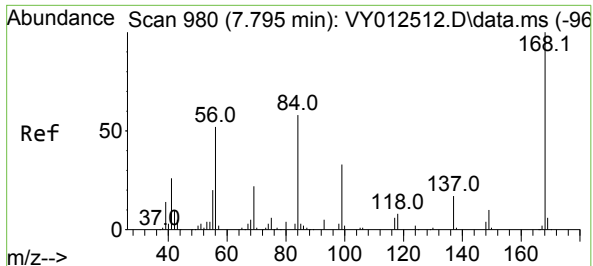
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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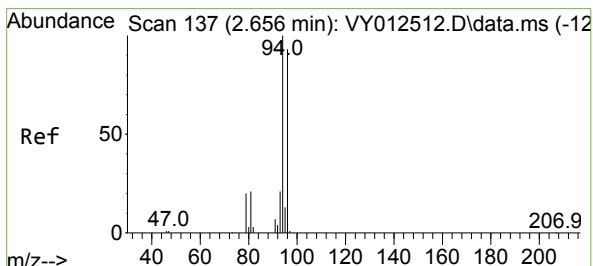
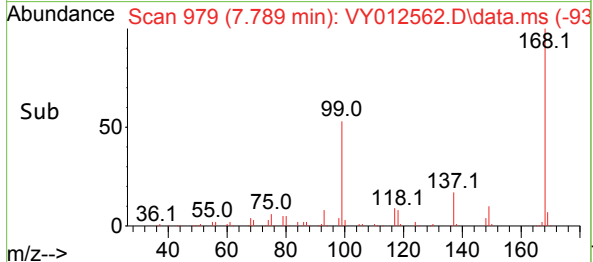
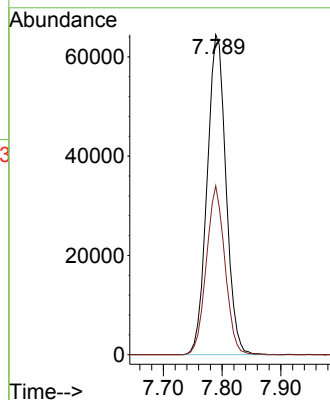
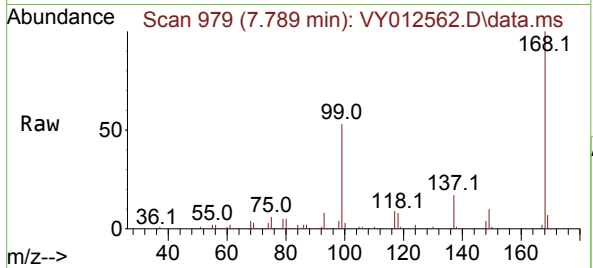




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

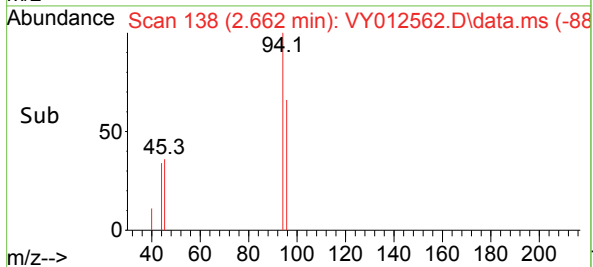
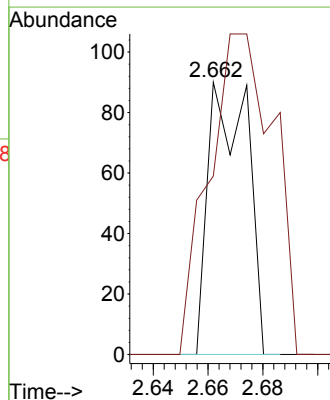
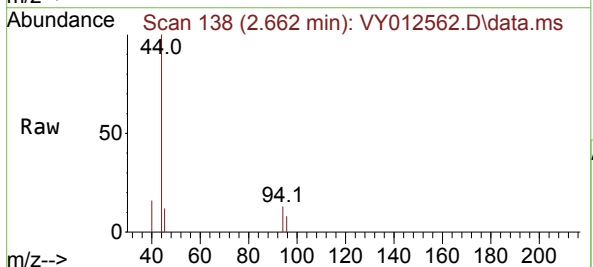
Instrument :
MSVOA_Y
ClientSampleId :
B-01-SB02

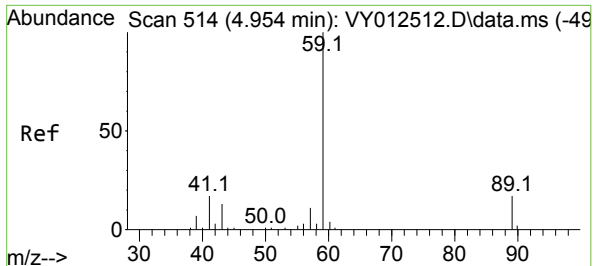
Tgt Ion:168 Resp: 143865
Ion Ratio Lower Upper
168 100
99 52.7 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 65.6 74.7 112.1#

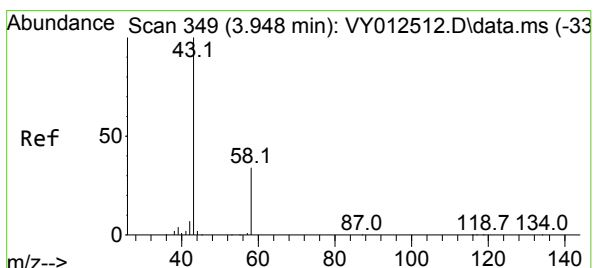
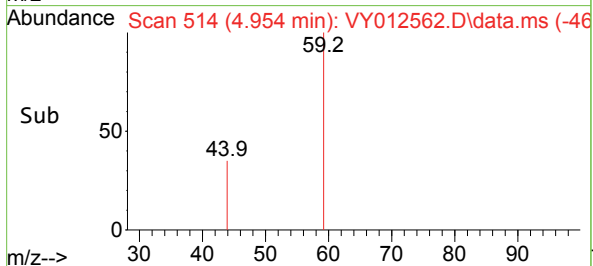
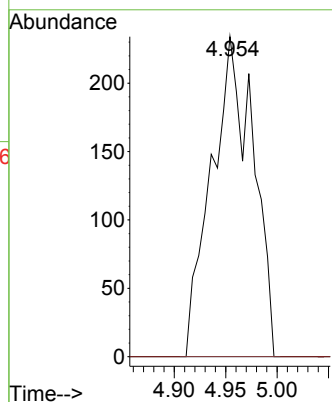
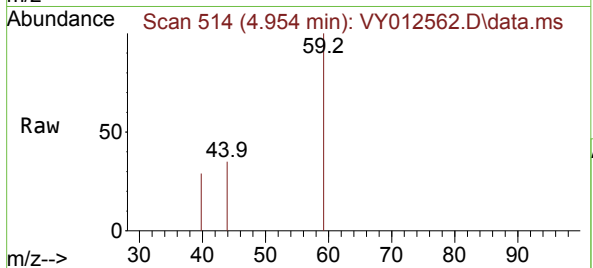




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

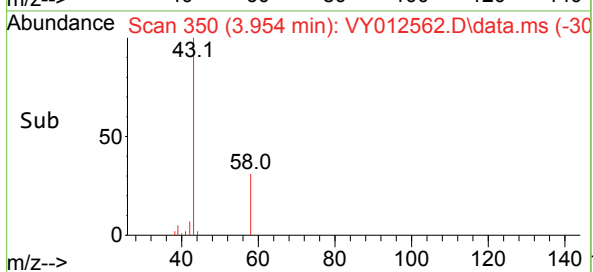
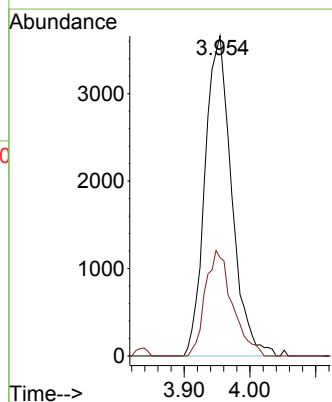
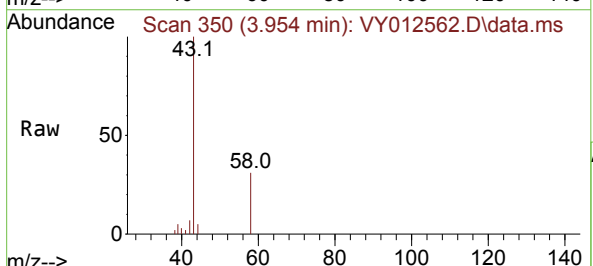
Instrument :
MSVOA_Y
ClientSampleId :
B-01-SB02

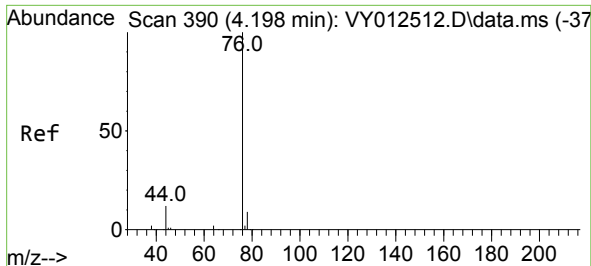
Tgt Ion: 59 Resp: 660
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 23.438 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Tgt Ion: 43 Resp: 10320
Ion Ratio Lower Upper
43 100
58 30.8 27.1 40.7

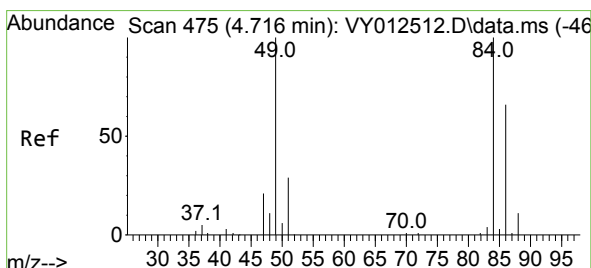
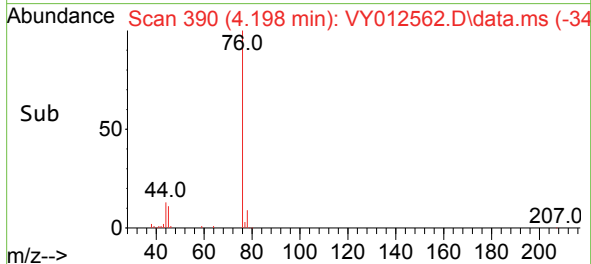
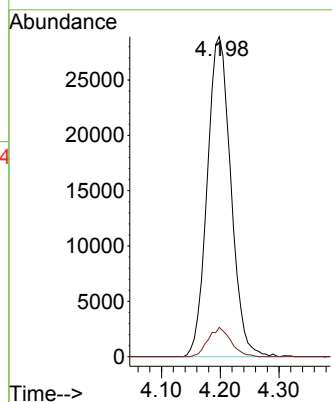
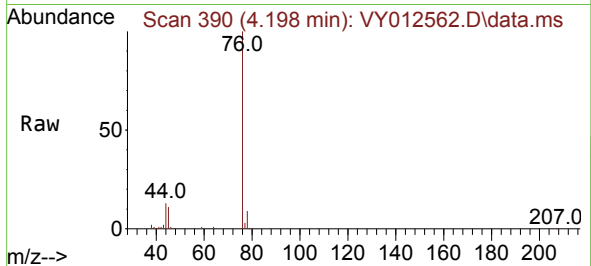




#17
Carbon Disulfide
Concen: 21.750 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

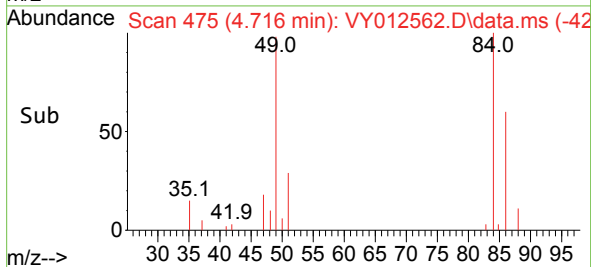
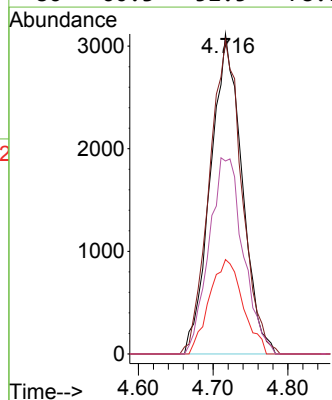
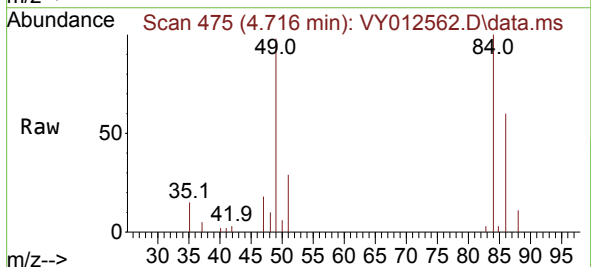
Instrument :
MSVOA_Y
ClientSampleId :
B-01-SB02

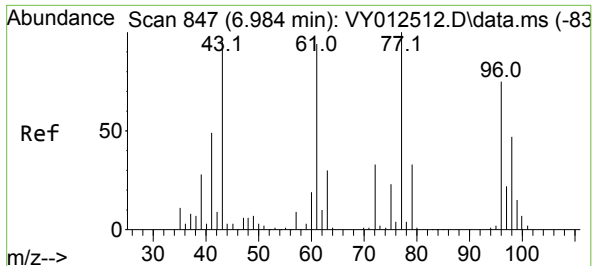
Tgt Ion: 76 Resp: 80797
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#20
Methylene Chloride
Concen: 1.448 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Tgt Ion: 84 Resp: 9117
Ion Ratio Lower Upper
84 100
49 98.2 79.8 119.6
51 29.5 23.4 35.2
86 60.3 52.5 78.7





#25

2-Butanone

Concen: 4.571 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012562.D

Acq: 09 Feb 2023 13:35

Instrument :

MSVOA_Y

ClientSampleId :

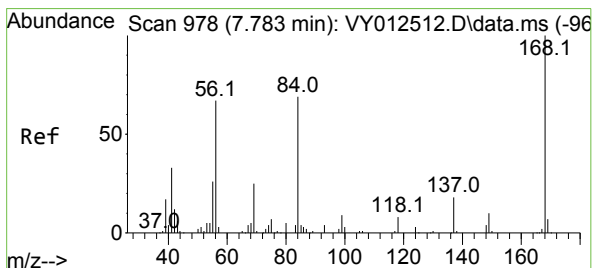
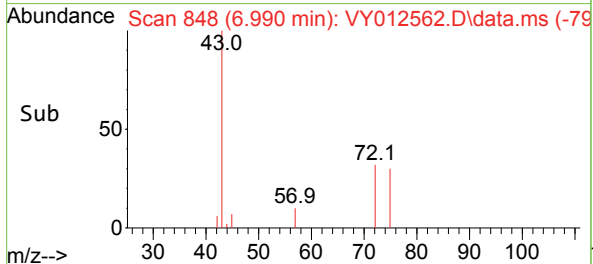
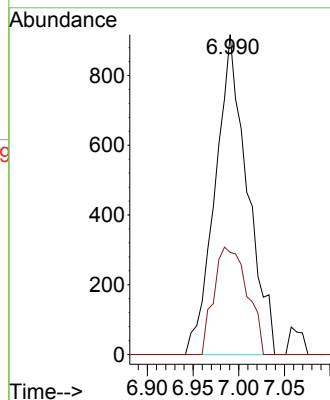
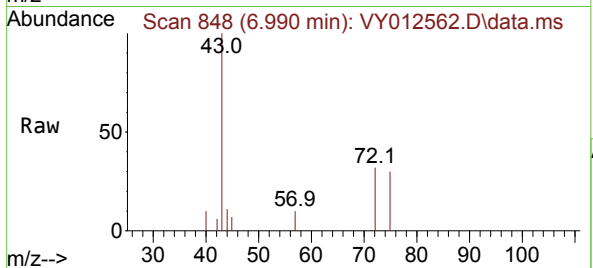
B-01-SB02

Tgt Ion: 43 Resp: 2233

Ion Ratio Lower Upper

43 100

72 32.0 27.4 41.2



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012562.D

Acq: 09 Feb 2023 13:35

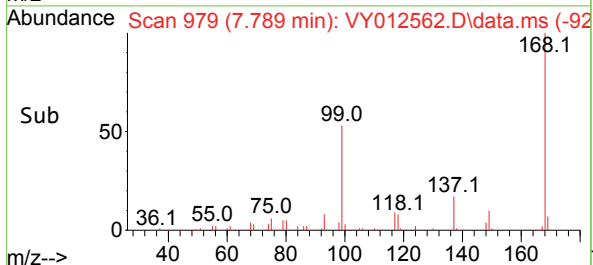
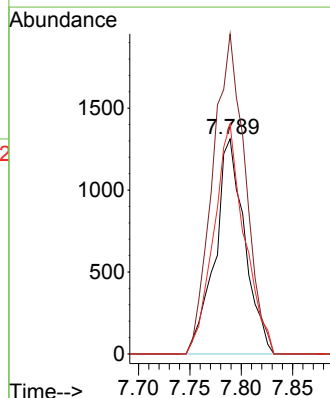
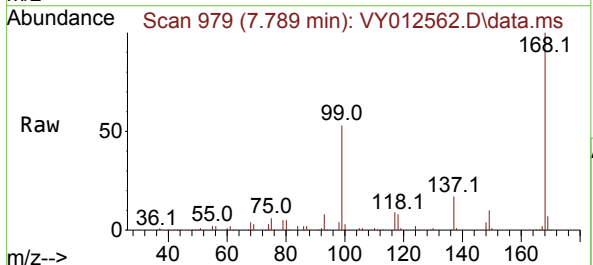
Tgt Ion: 56 Resp: 2628

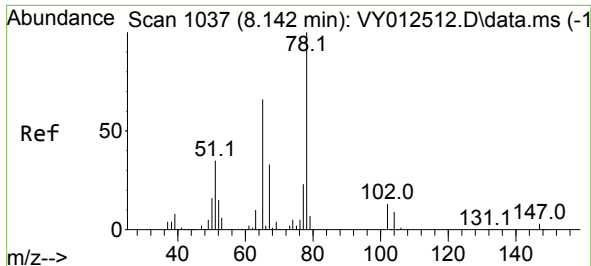
Ion Ratio Lower Upper

56 100

69 148.9 29.5 44.3#

84 107.0 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 46.144 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012562.D

Acq: 09 Feb 2023 13:35

Instrument :

MSVOA_Y

ClientSampleId :

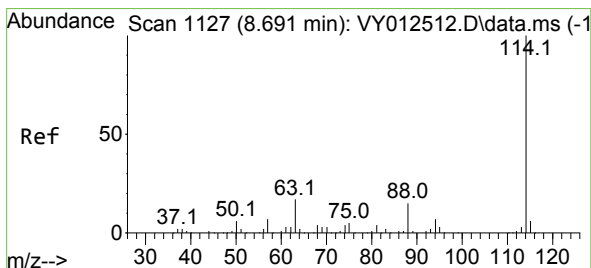
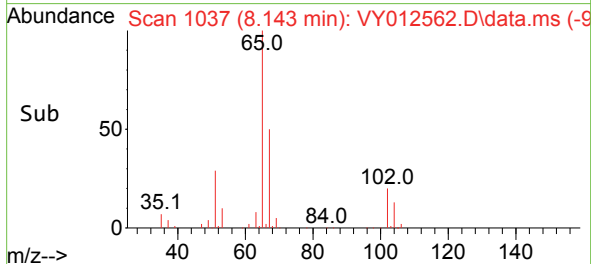
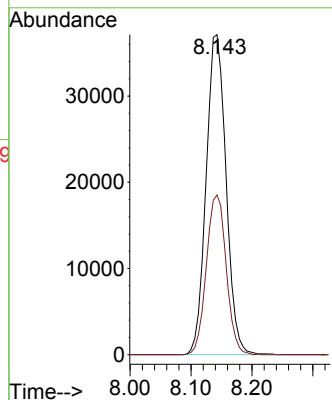
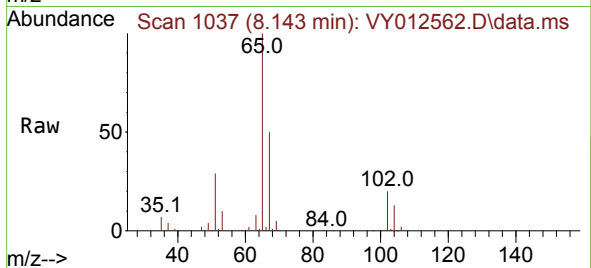
B-01-SB02

Tgt Ion: 65 Resp: 84417

Ion Ratio Lower Upper

65 100

67 49.7 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012562.D

Acq: 09 Feb 2023 13:35

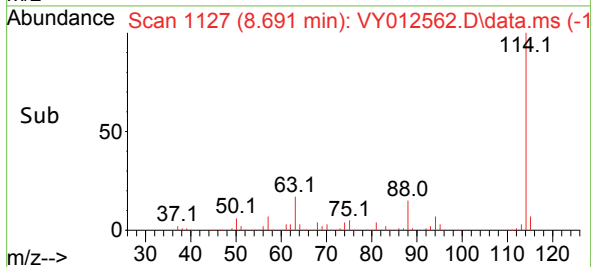
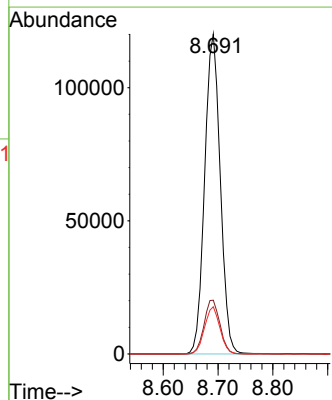
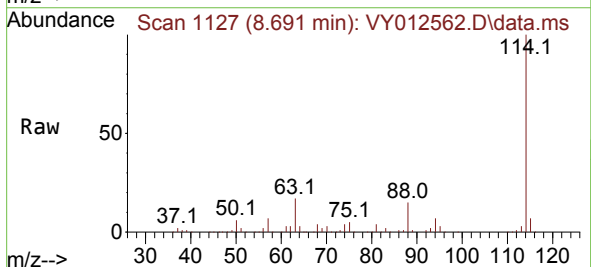
Tgt Ion: 114 Resp: 237035

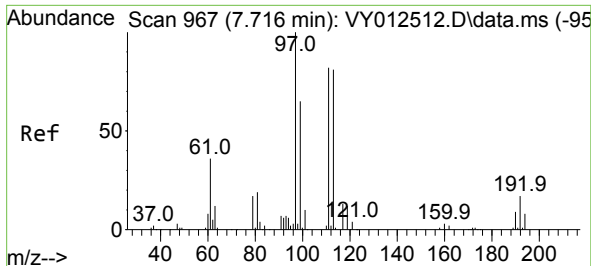
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.6

88 14.7 0.0 29.8

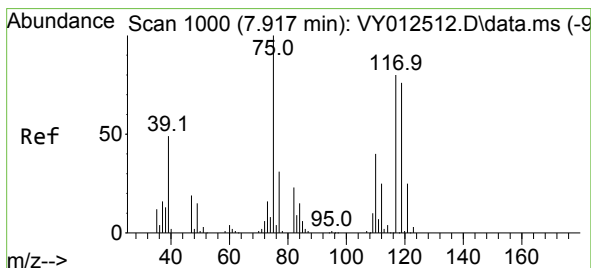
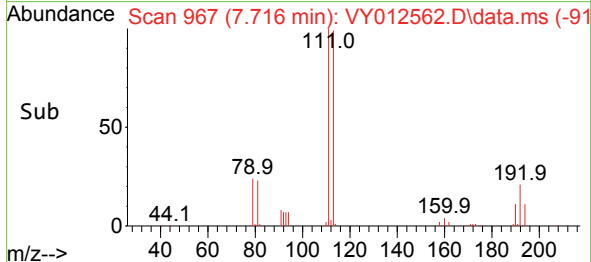
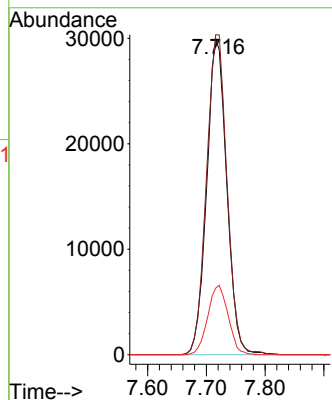
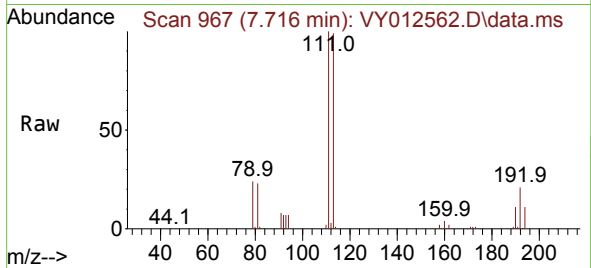




#35
Dibromofluoromethane
Concen: 41.154 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

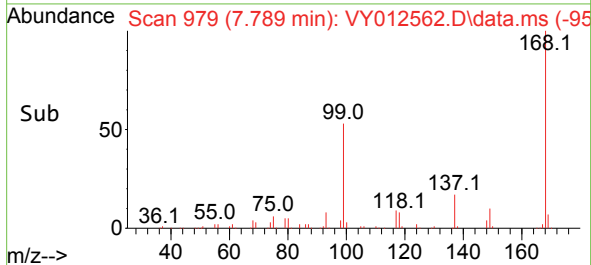
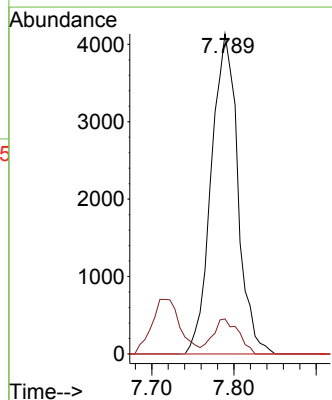
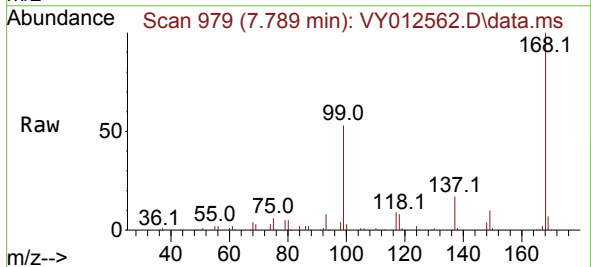
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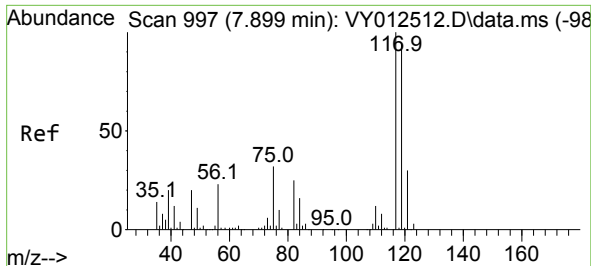
Tgt Ion:113 Resp: 71041
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 22.3 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.963 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

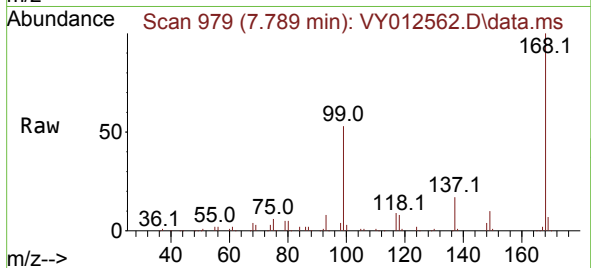
Tgt Ion: 75 Resp: 9258
Ion Ratio Lower Upper
75 100
110 10.6 19.5 58.5#
77 0.0 24.9 37.3#



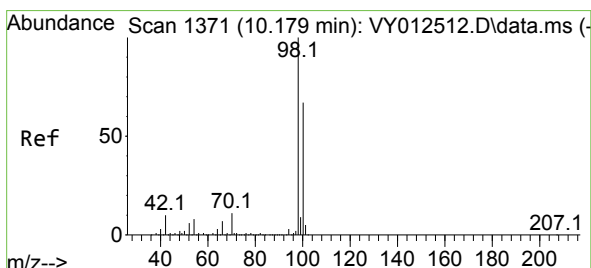
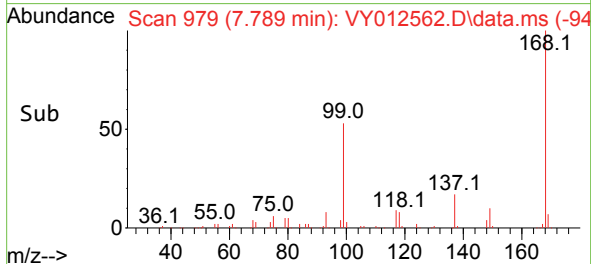
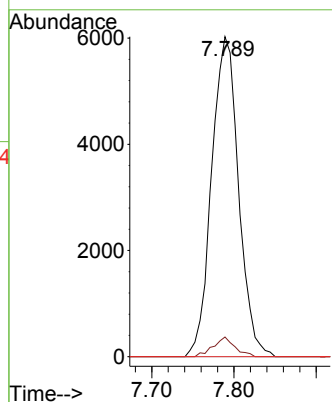


#38
Carbon Tetrachloride
Concen: 4.370 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Instrument :
MSVOA_Y
ClientSampleId :
B-01-SB02

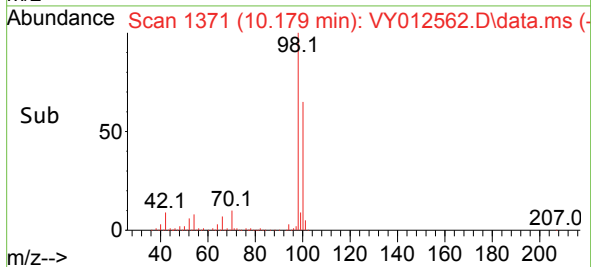
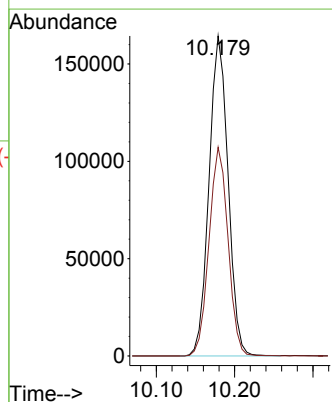
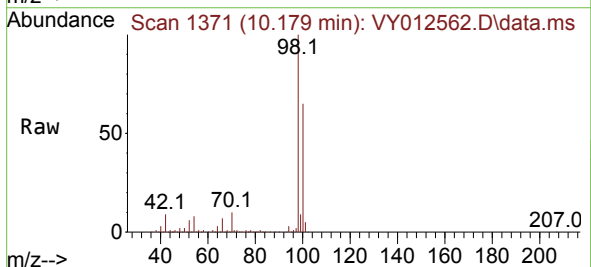


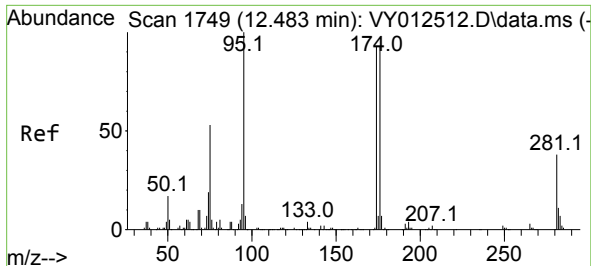
Tgt Ion:117 Resp: 13706
Ion Ratio Lower Upper
117 100
119 6.2 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.631 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Tgt Ion: 98 Resp: 277565
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

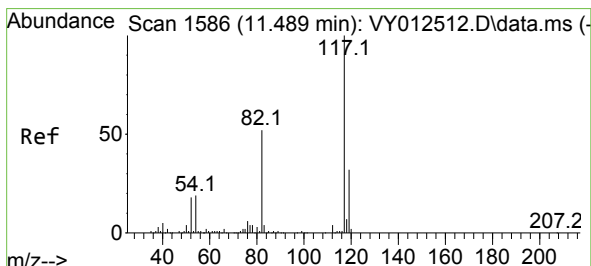
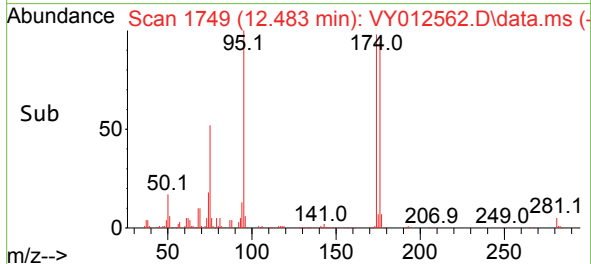
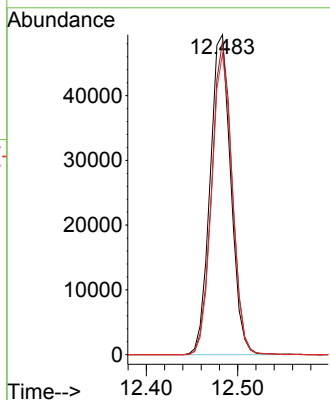
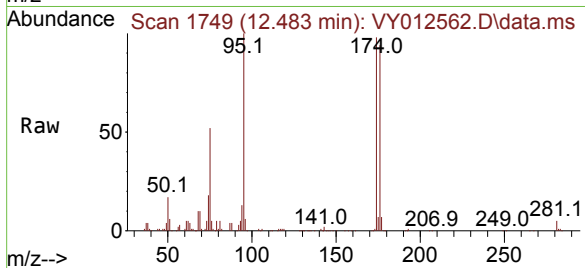




#62
4-Bromofluorobenzene
Concen: 30.991 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

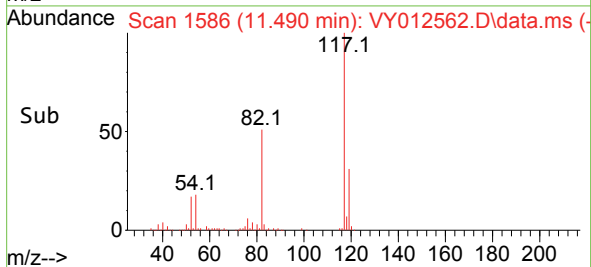
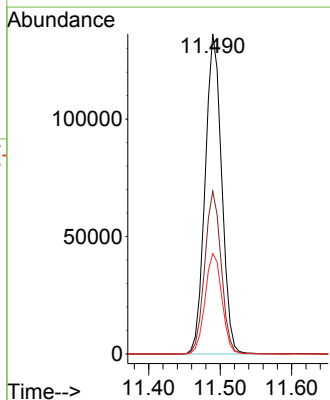
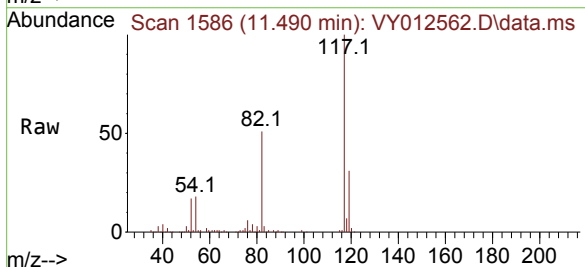
Instrument :
MSVOA_Y
ClientSampleId :
B-01-SB02

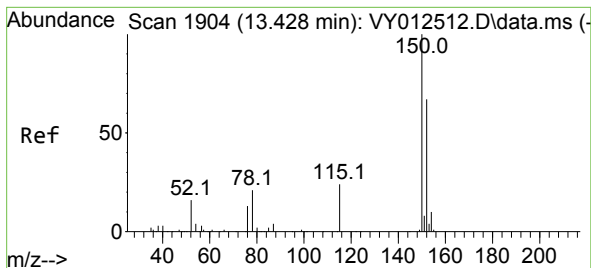
Tgt Ion:	95	Resp:	77670
Ion Ratio	Lower	Upper	
95	100		
174	96.8	0.0	188.0
176	93.5	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012562.D
Acq: 09 Feb 2023 13:35

Tgt Ion:	117	Resp:	218641
Ion Ratio	Lower	Upper	
117	100		
82	50.8	41.7	62.5
119	31.4	25.8	38.8

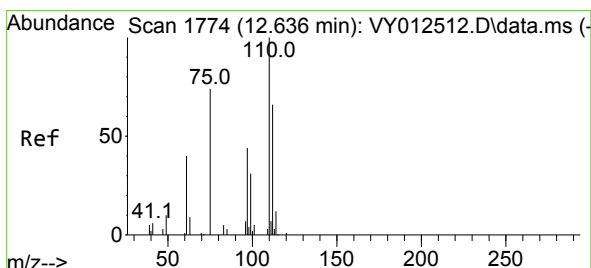
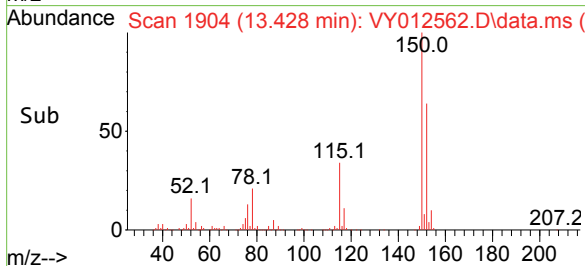
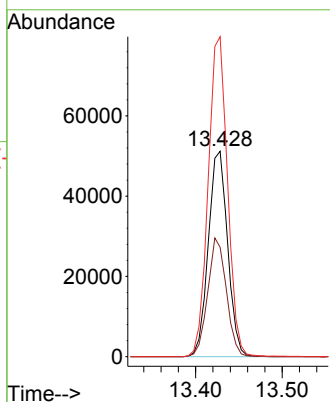
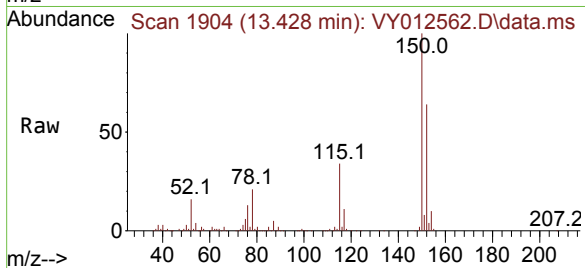




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012562.D
 Acq: 09 Feb 2023 13:35

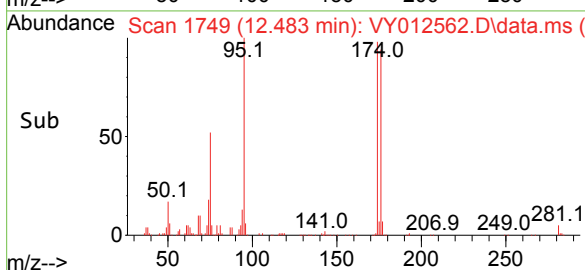
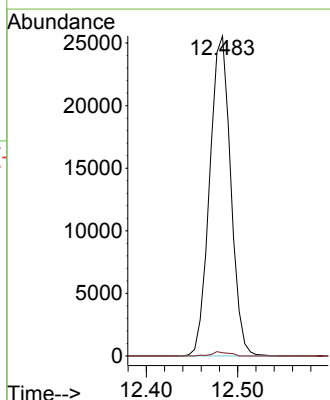
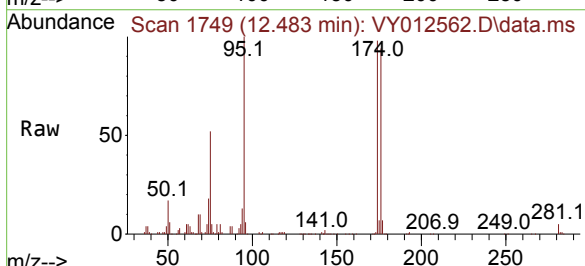
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-01-SB02

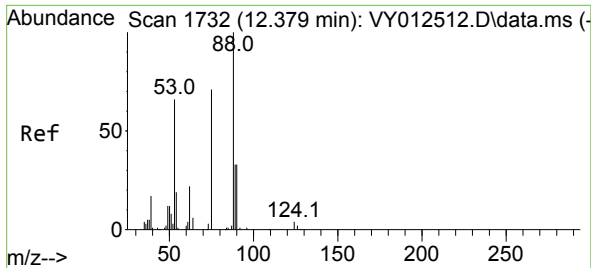
Tgt Ion:152 Resp: 79246
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.1 84.3
 150 156.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 46.110 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012562.D
 Acq: 09 Feb 2023 13:35

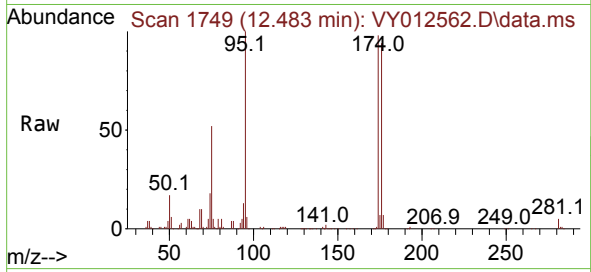
Tgt Ion: 75 Resp: 40824
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.980 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012562.D
 Acq: 09 Feb 2023 13:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-01-SB02



Tgt Ion: 75 Resp: 40824
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

