

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014265.D
 Acq On : 20 Jun 2023 06:59
 Operator : KP/MD
 Sample : 03289-22
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-0-2.0

Quant Time: Jun 20 11:24:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	174667	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	274959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117606	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	119994	49.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.660%
35) Dibromofluoromethane	7.728	113	95653	49.054	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.100%
50) Toluene-d8	10.185	98	332982	45.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.483	95	102627	39.630	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.260%

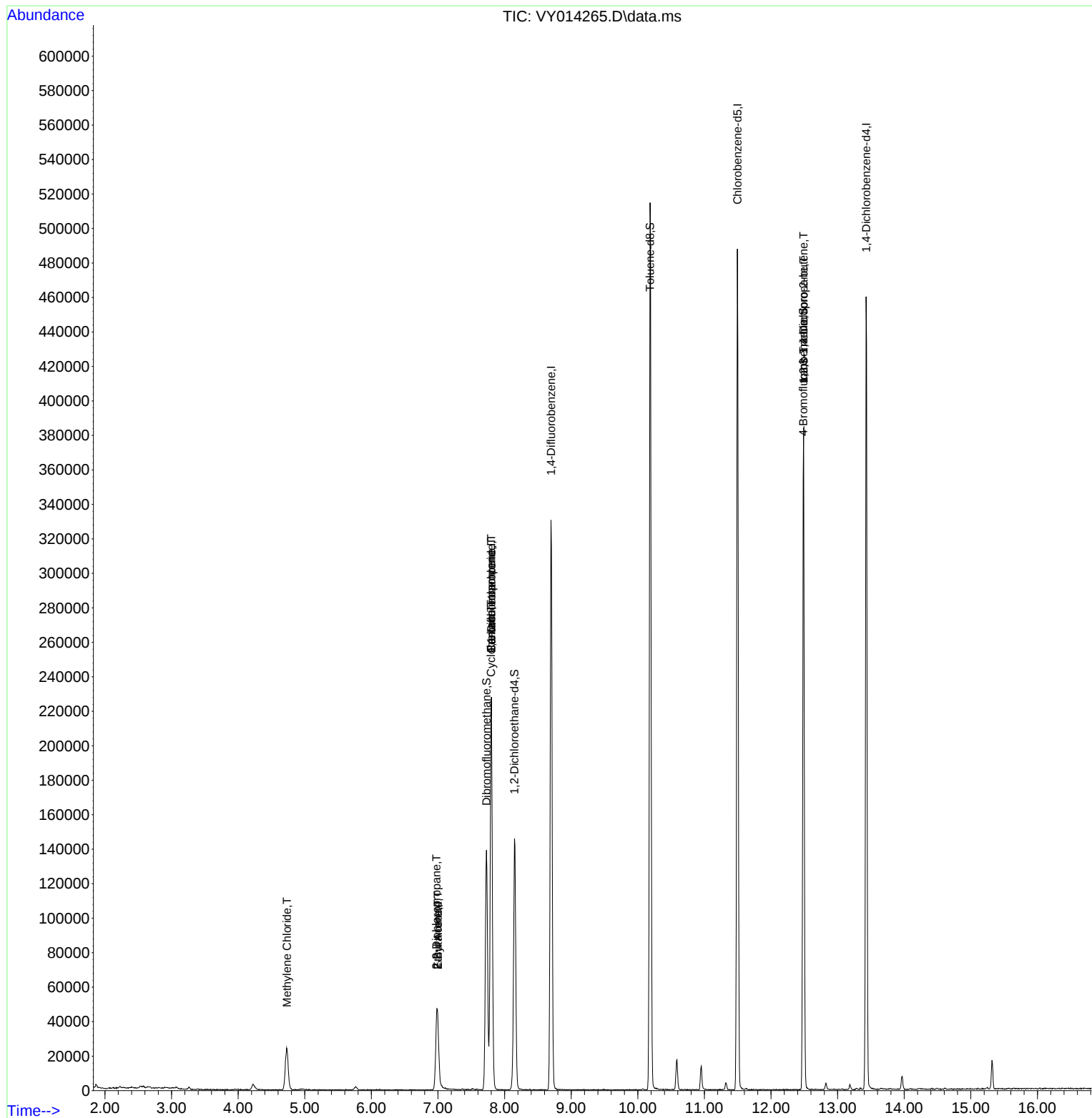
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	625	Below Cal	#	89
20) Methylene Chloride	4.735	84	17358	4.127	ug/l	88
25) 2-Butanone	6.996	43	2887	3.199	ug/l #	73
26) 2,2-Dichloropropane	6.978	77	3798	1.013	ug/l #	54
31) Cyclohexane	7.795	56	3861	1.185	ug/l #	39
36) 1,1-Dichloropropene	7.801	75	13516	4.446	ug/l #	49
37) Ethyl Acetate	6.996	43	2887	1.376	ug/l #	1
38) Carbon Tetrachloride	7.801	117	16654	4.747	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	54836	35.539	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	54836	76.822	ug/l #	11

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

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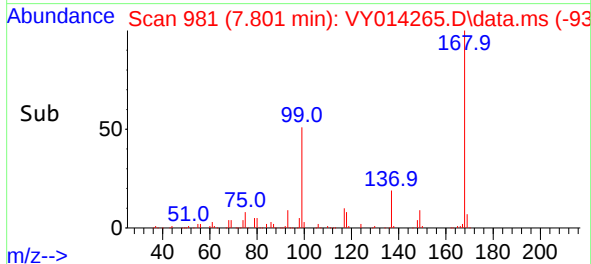
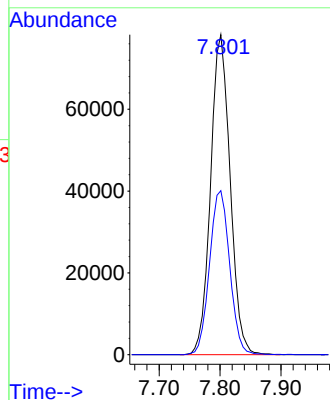
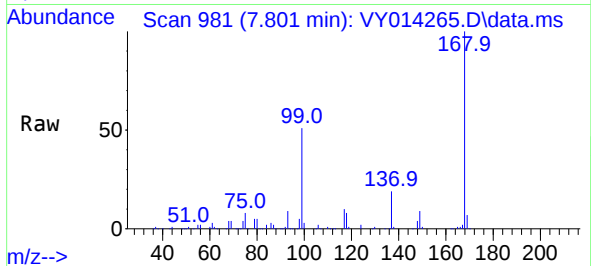




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

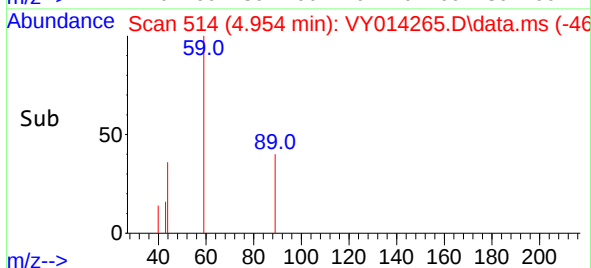
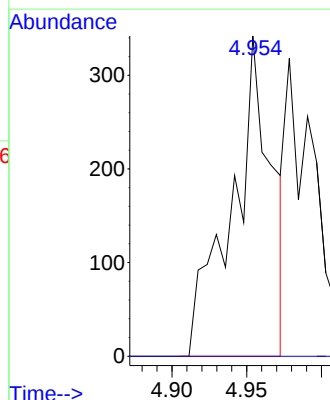
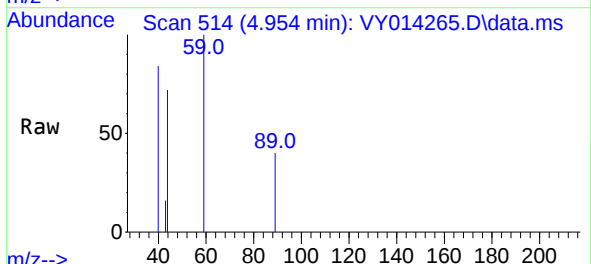
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

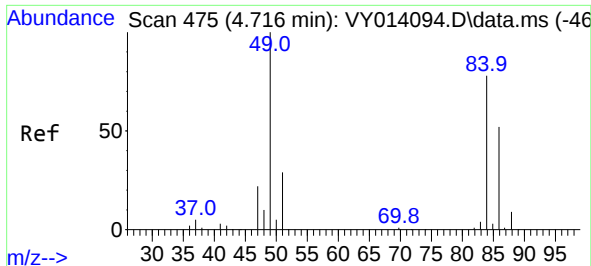
Tgt Ion:168 Resp: 174667
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion: 59 Resp: 625
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

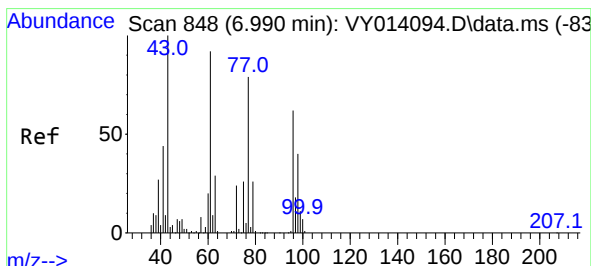
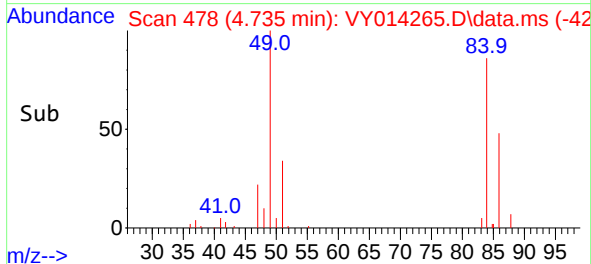
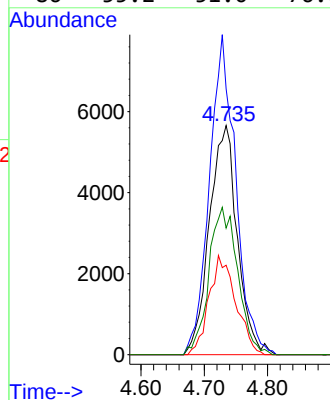
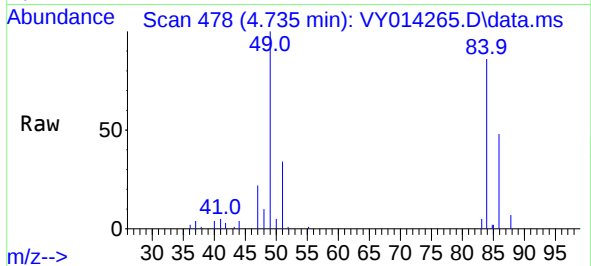




#20
Methylene Chloride
Concen: 4.127 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

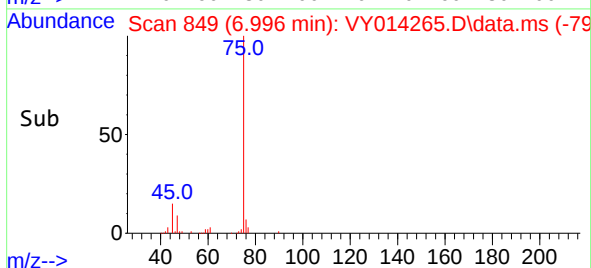
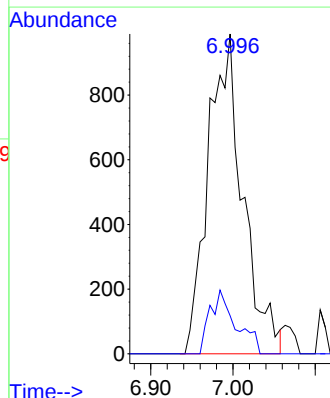
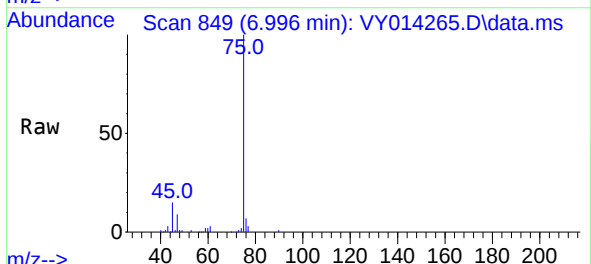
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

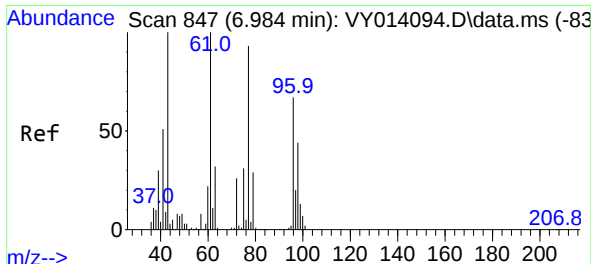
Tgt Ion:	84	Resp:	17358
Ion	Ratio	Lower	Upper
84	100		
49	116.0	106.9	160.3
51	39.0	33.2	49.8
86	55.2	51.0	76.6



#25
2-Butanone
Concen: 3.199 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion:	43	Resp:	2887
Ion	Ratio	Lower	Upper
43	100		
72	11.9	20.5	30.7#

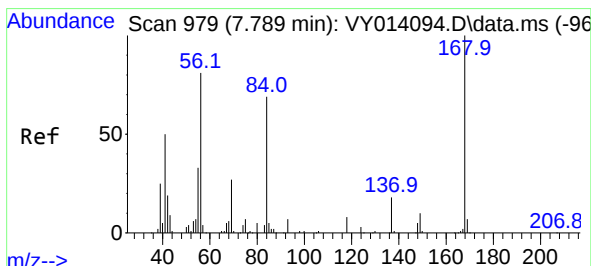
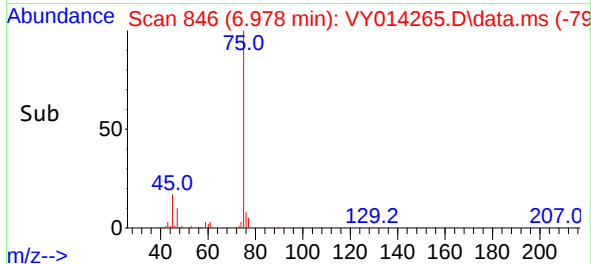
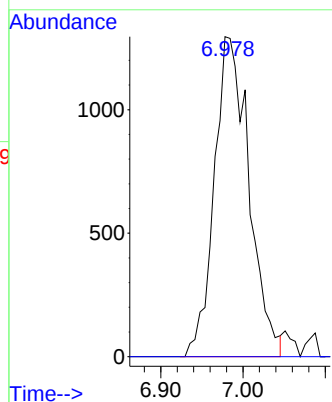
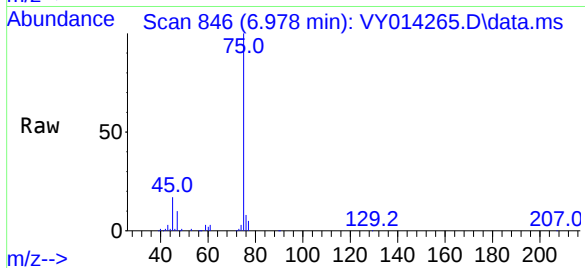




#26
2,2-Dichloropropane
Concen: 1.013 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

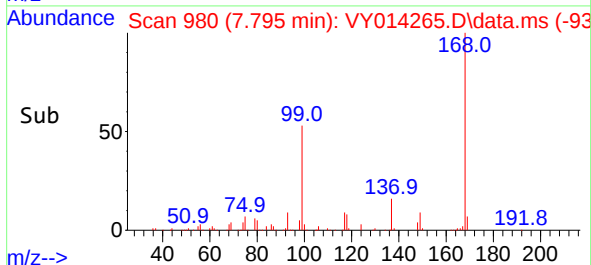
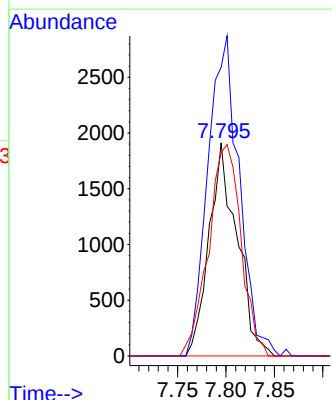
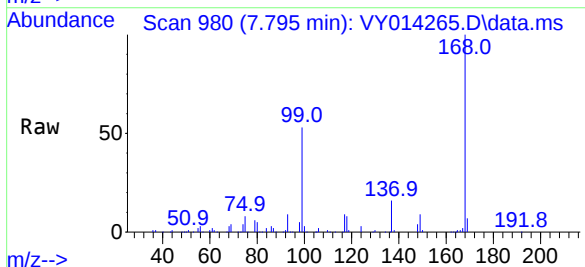
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

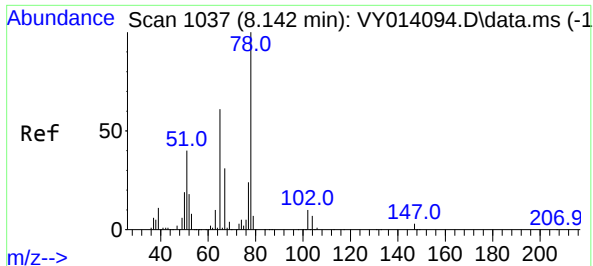
Tgt Ion: 77 Resp: 3798
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion: 56 Resp: 3861
Ion Ratio Lower Upper
56 100
69 135.5 27.8 41.6#
84 95.5 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 49.334 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014265.D

Acq: 20 Jun 2023 06:59

Instrument :

MSVOA_Y

ClientSampleId :

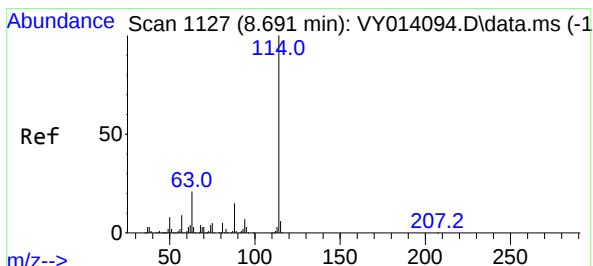
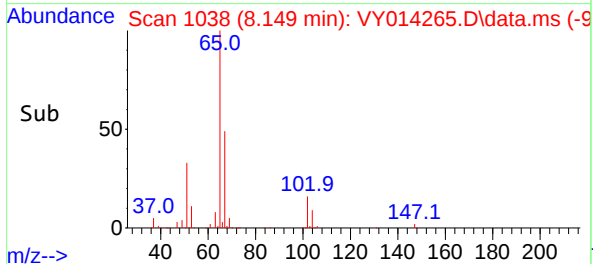
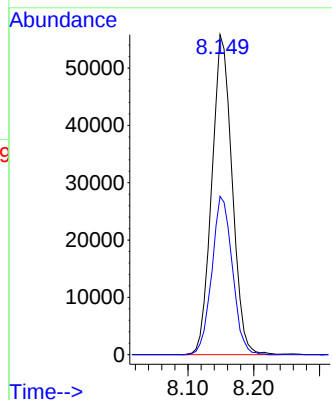
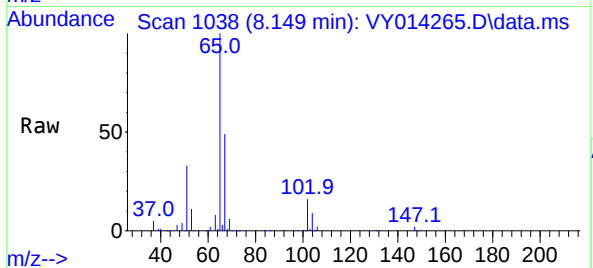
SB-08-0-2.0

Tgt Ion: 65 Resp: 119994

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014265.D

Acq: 20 Jun 2023 06:59

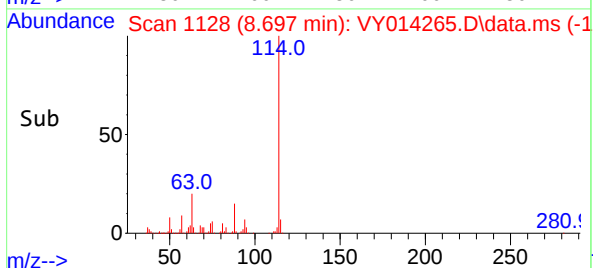
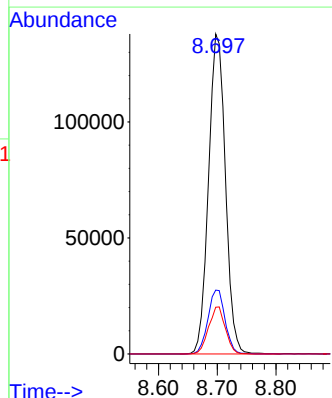
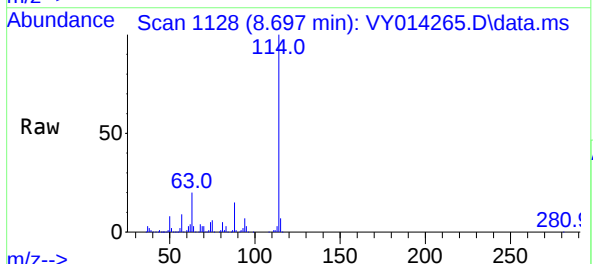
Tgt Ion:114 Resp: 274959

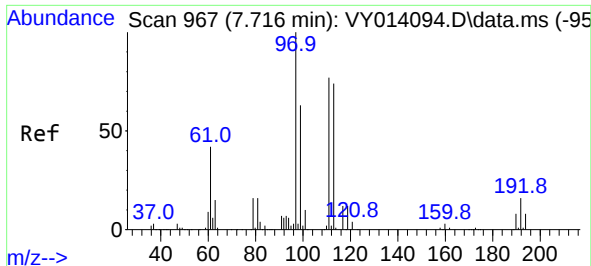
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.6 0.0 30.6

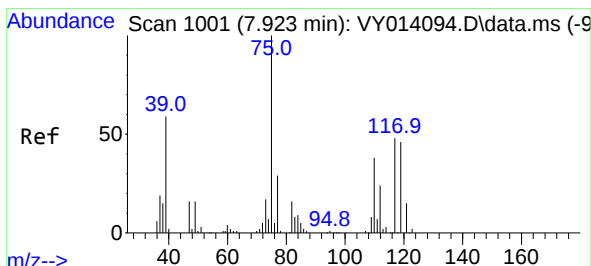
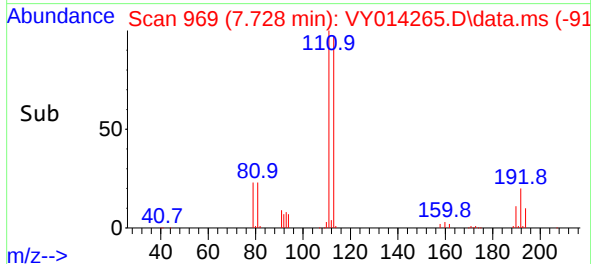
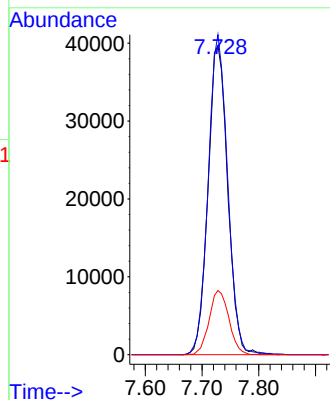
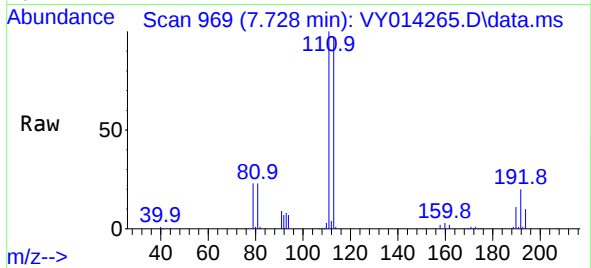




#35
Dibromofluoromethane
Concen: 49.054 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

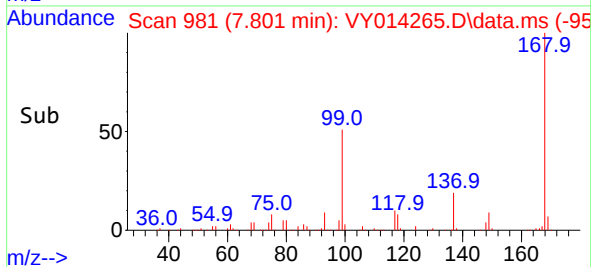
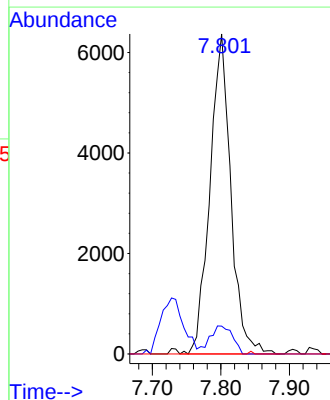
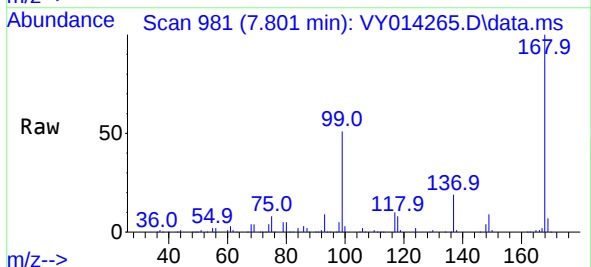
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

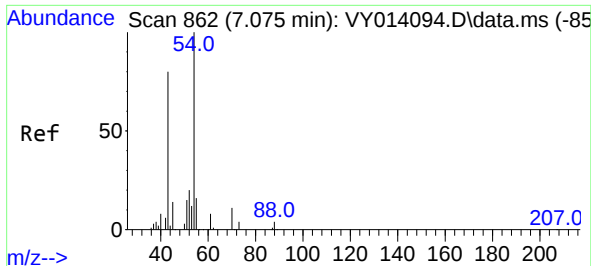
Tgt Ion:113 Resp: 95653
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.446 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion: 75 Resp: 13516
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.376 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY014265.D

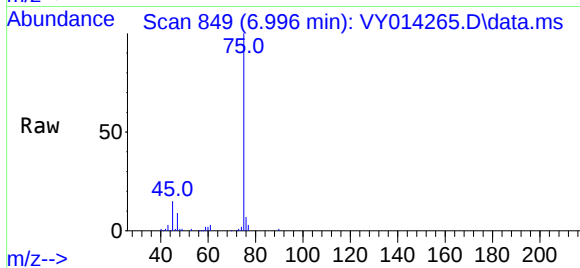
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Instrument :

MSVOA_Y

ClientSampleId :

SB-08-0-2.0



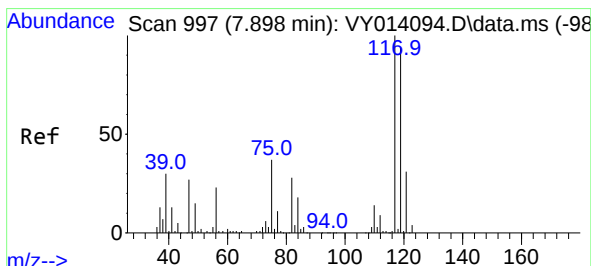
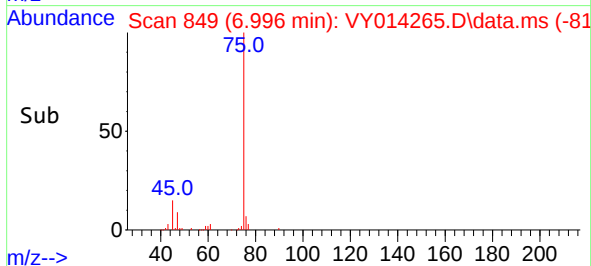
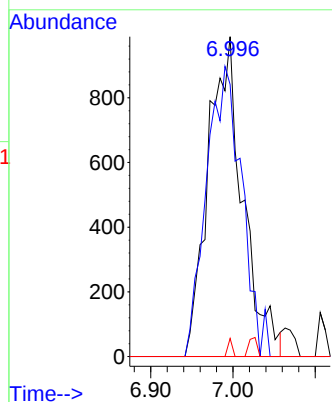
Tgt Ion: 43 Resp: 2887

Ion Ratio Lower Upper

43 100

61 92.8 10.1 15.1#

70 0.7 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.747 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014265.D

Acq: 20 Jun 2023 06:59

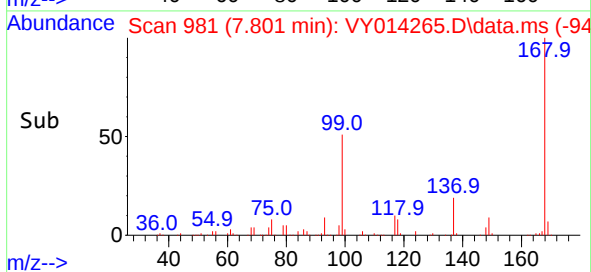
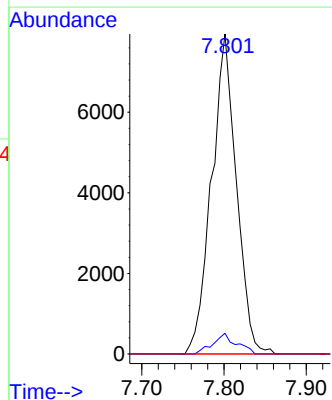
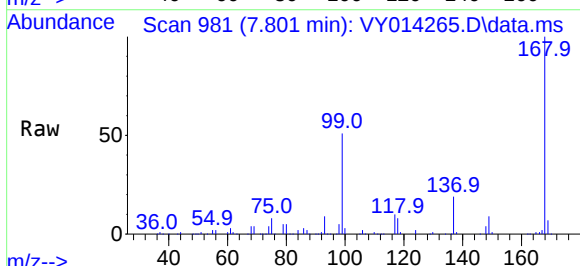
Tgt Ion: 117 Resp: 16654

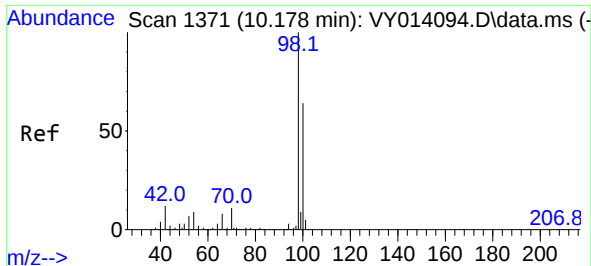
Ion Ratio Lower Upper

117 100

119 6.5 76.4 114.6#

121 0.0 25.8 38.6#

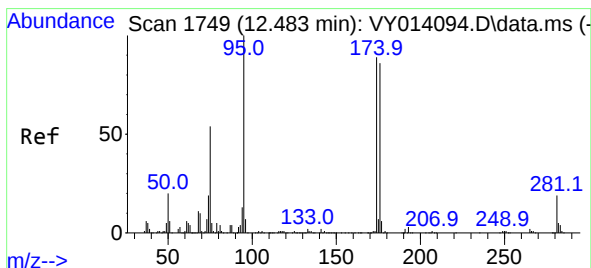
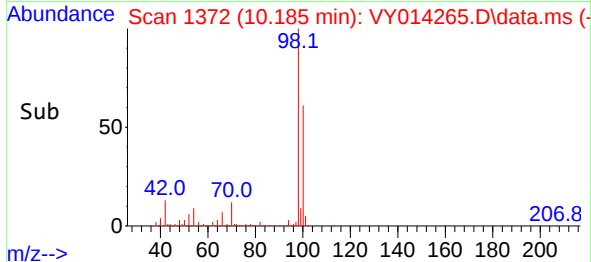
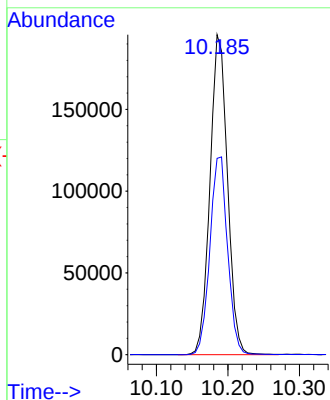
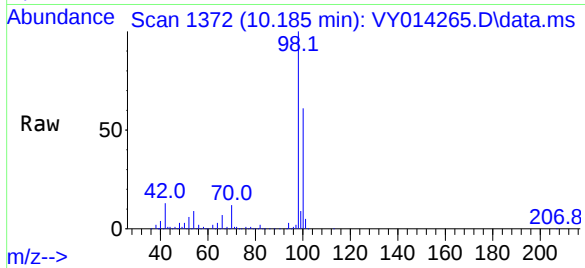




#50
Toluene-d8
Concen: 45.676 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

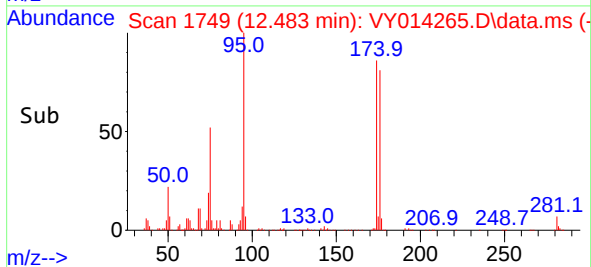
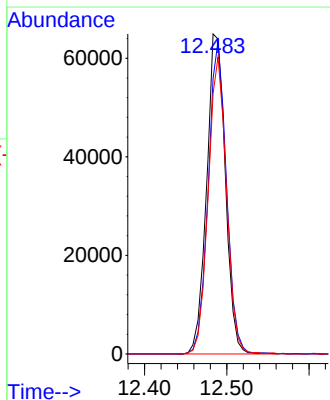
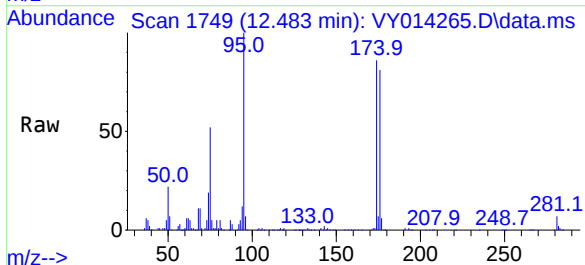
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

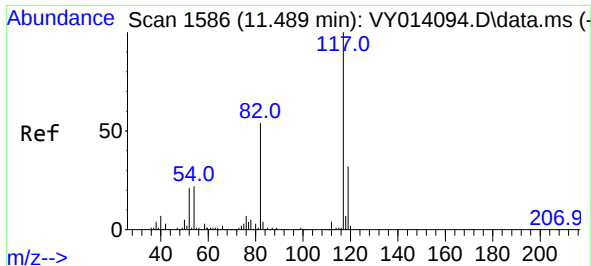
Tgt Ion: 98 Resp: 332982
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.630 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion: 95 Resp: 102627
Ion Ratio Lower Upper
95 100
174 95.2 0.0 178.2
176 90.3 0.0 173.8

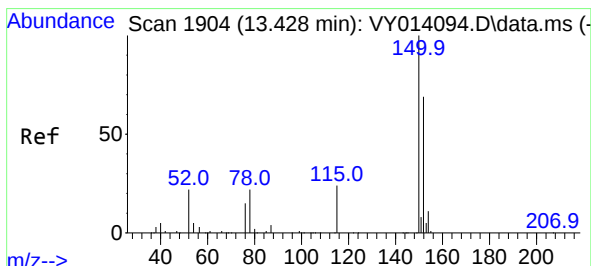
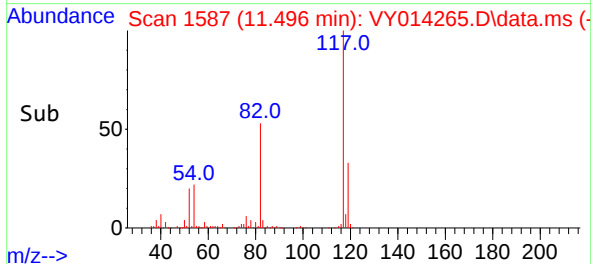
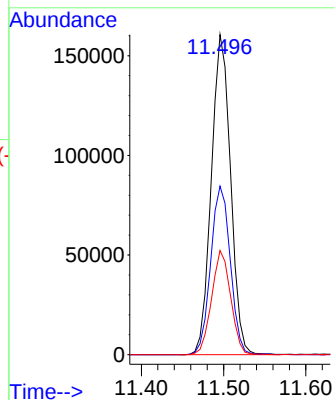
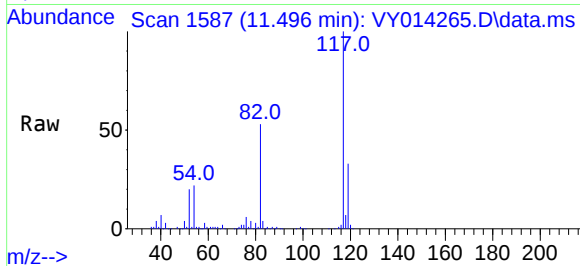




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11587
Delta R.T. 0.007 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

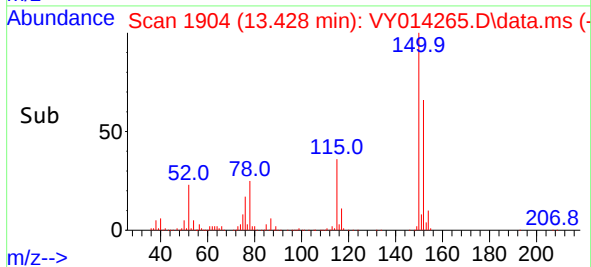
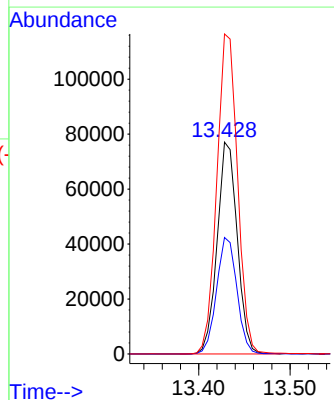
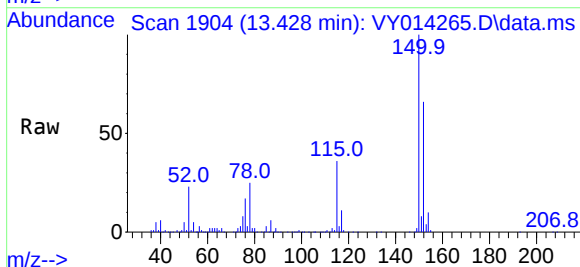
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

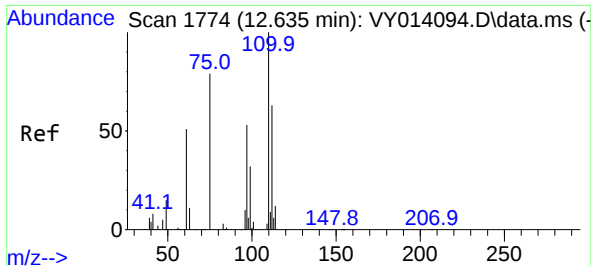
Tgt Ion:117 Resp: 261251
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion:152 Resp: 117606
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 156.3 0.0 348.8

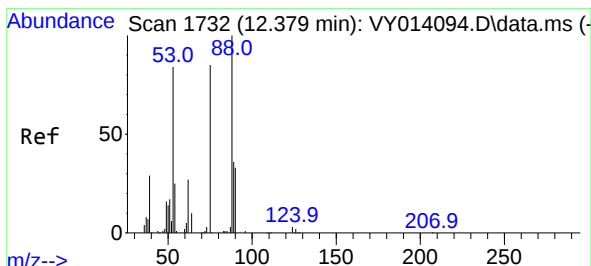
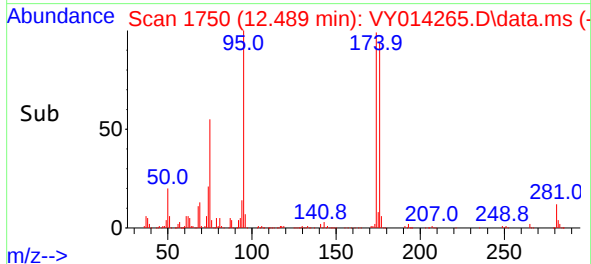
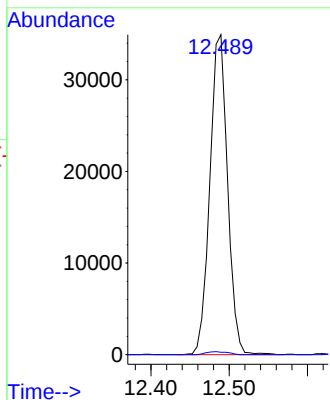
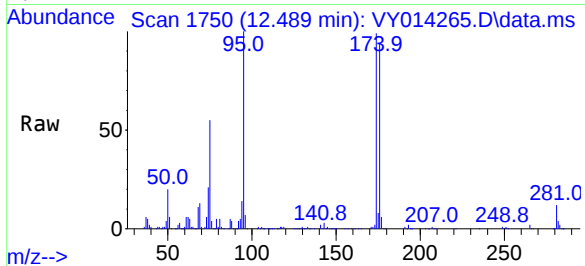




#76
1,2,3-Trichloropropane
Concen: 35.539 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

Tgt Ion: 75 Resp: 54836
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.822 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014265.D
Acq: 20 Jun 2023 06:59

Tgt Ion: 75 Resp: 54836
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

