

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014582.D
 Acq On : 06 Jul 2023 12:43
 Operator : KP/MD
 Sample : 03516-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BERGENFIELD-COMP-2

Quant Time: Jul 07 06:12:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

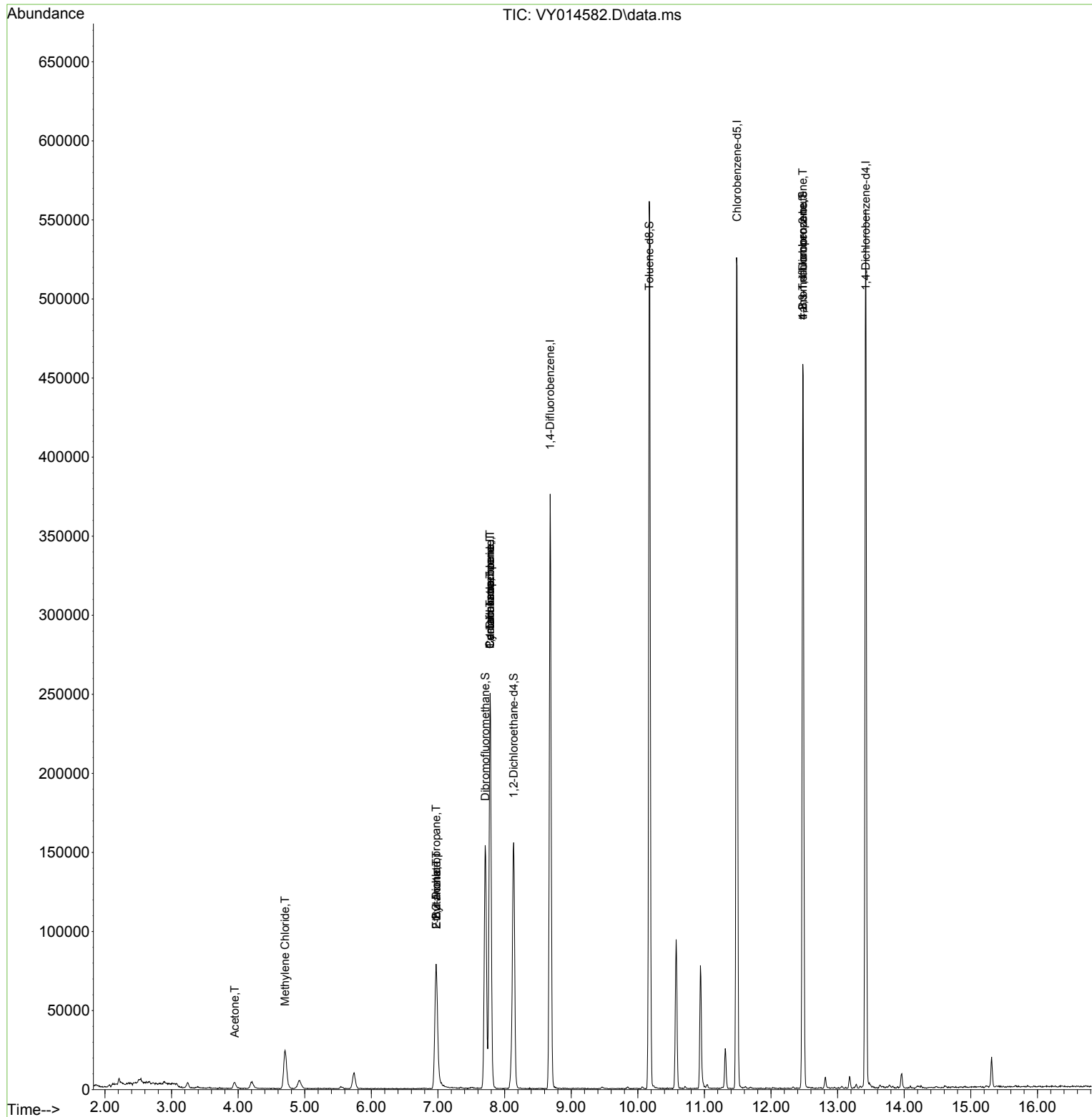
Internal Standards						
1) Pentafluorobenzene	7.783	168	212664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	322193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117929	55.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.480%
35) Dibromofluoromethane	7.710	113	110505	54.106	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.220%
50) Toluene-d8	10.173	98	394140	48.818	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.477	95	127871	45.611	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.220%
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	190	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	5664	Below Cal	#	89
16) Acetone	3.948	43	7280	11.019	ug/l #	84
20) Methylene Chloride	4.704	84	19921	3.540	ug/l #	83
25) 2-Butanone	6.978	43	3703	3.785	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	6418	1.936	ug/l #	54
31) Cyclohexane	7.783	56	3372	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14185	4.535	ug/l #	49
37) Ethyl Acetate	6.978	43	3703	1.726	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17498	5.359	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	62062	33.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62062	65.500	ug/l #	11

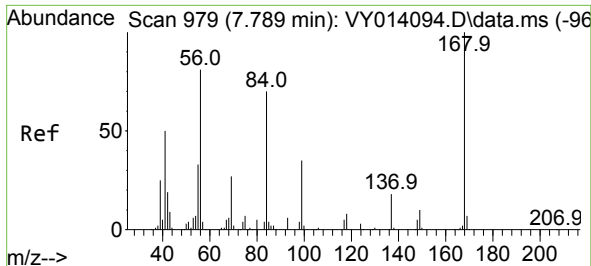
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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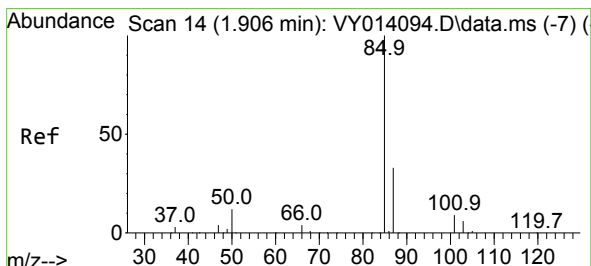
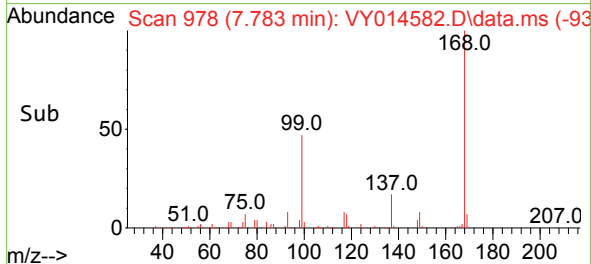
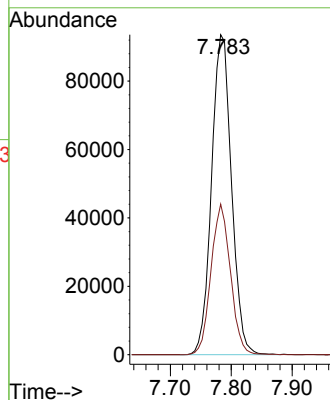
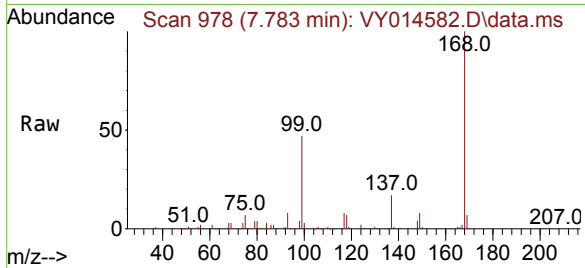




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

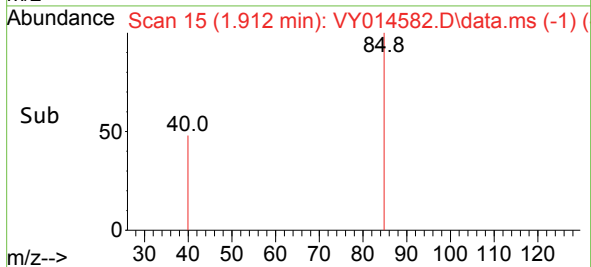
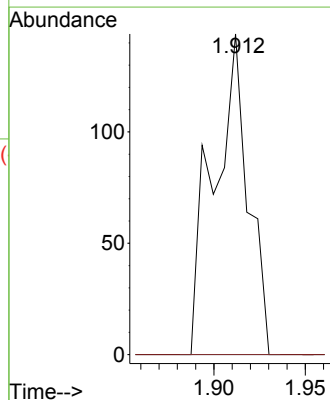
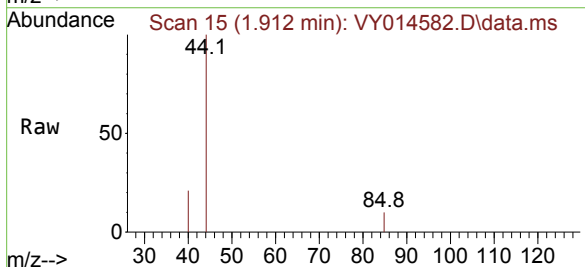
Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2

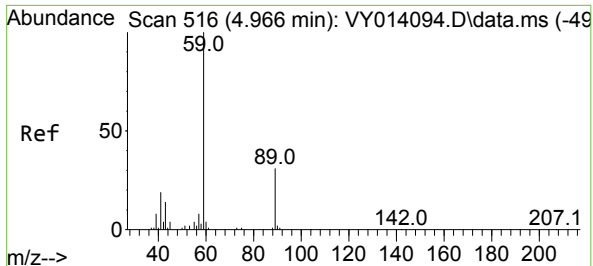
Tgt Ion:168 Resp: 212664
Ion Ratio Lower Upper
168 100
99 47.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Tgt Ion: 85 Resp: 190
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.042 min

Lab File: VY014582.D

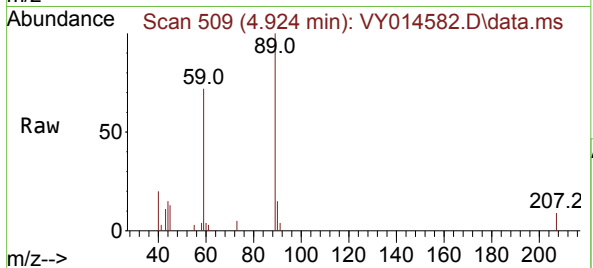
Acq: 06 Jul 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BERGENFIELD-COMP-2

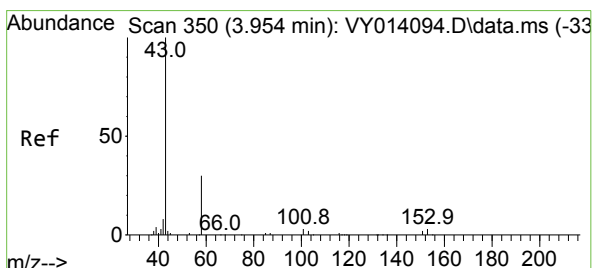
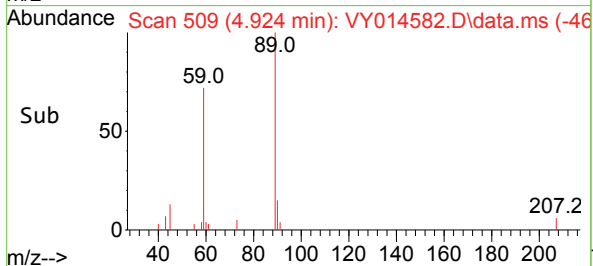
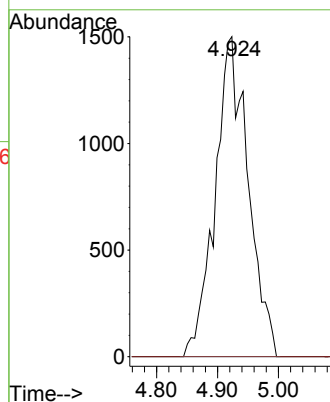


Tgt Ion: 59 Resp: 5664

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 11.019 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014582.D

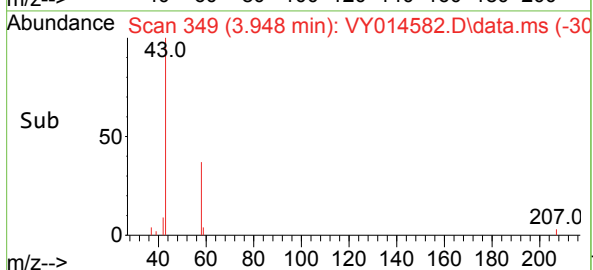
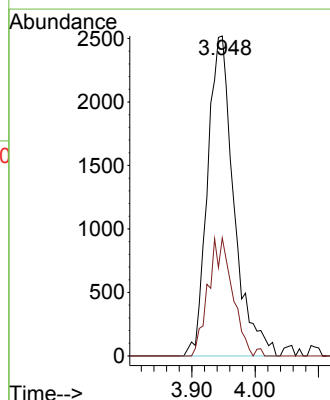
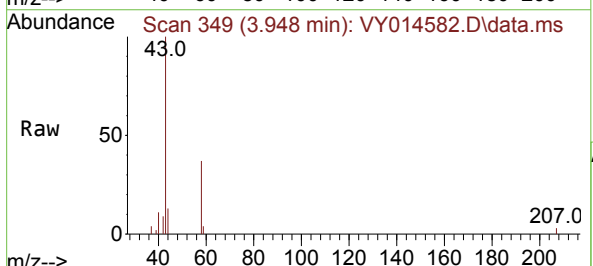
Acq: 06 Jul 2023 12:43

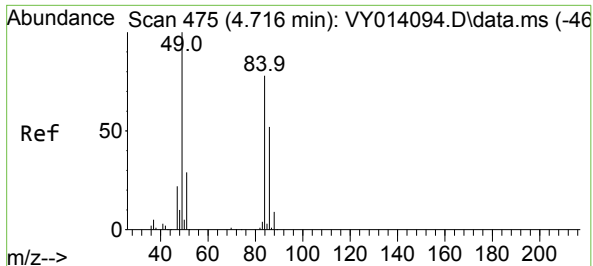
Tgt Ion: 43 Resp: 7280

Ion Ratio Lower Upper

43 100

58 36.8 22.7 34.1#

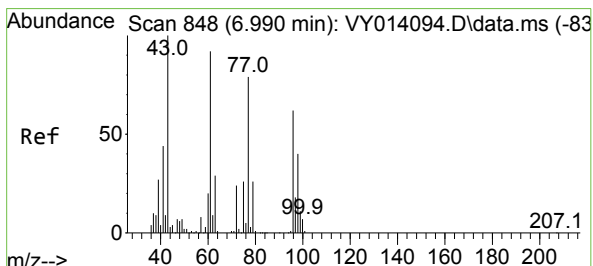
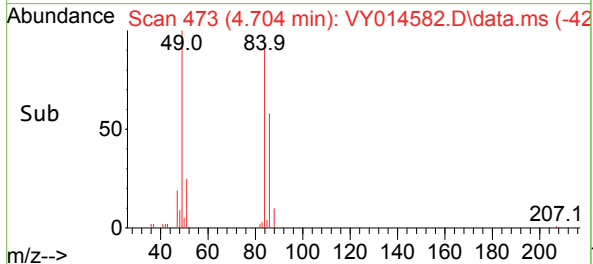
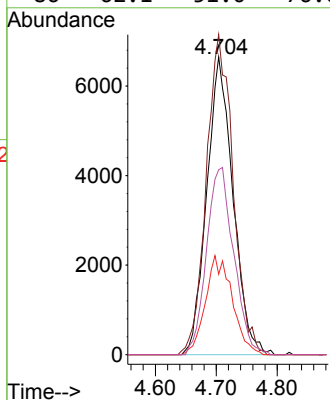
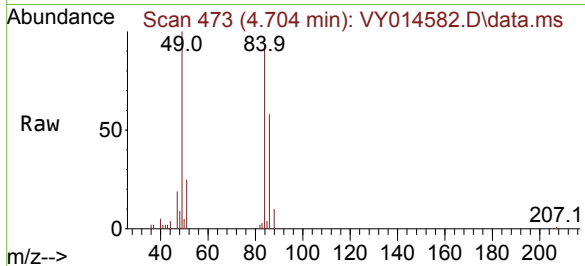




#20
Methylene Chloride
Concen: 3.540 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

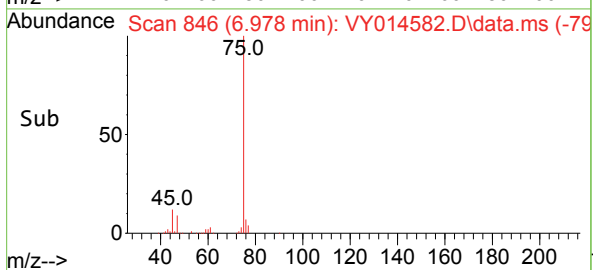
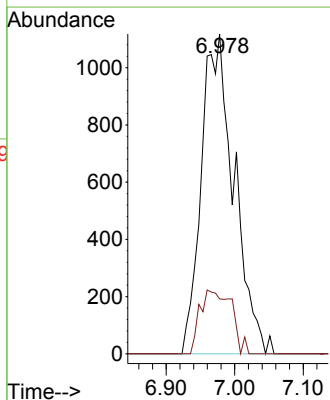
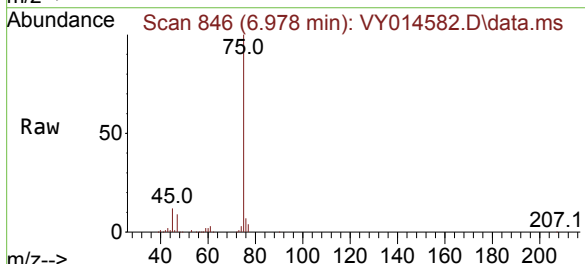
Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2

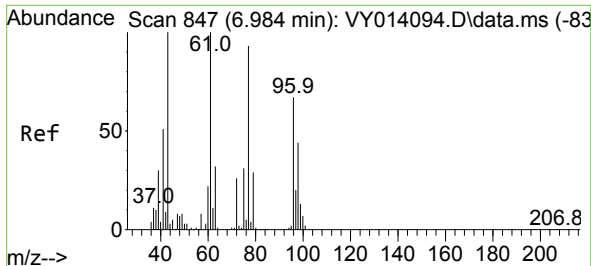
Tgt Ion:	84	Resp:	19921
Ion	Ratio	Lower	Upper
84	100		
49	107.5	106.9	160.3
51	27.0	33.2	49.8#
86	62.1	51.0	76.6



#25
2-Butanone
Concen: 3.785 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

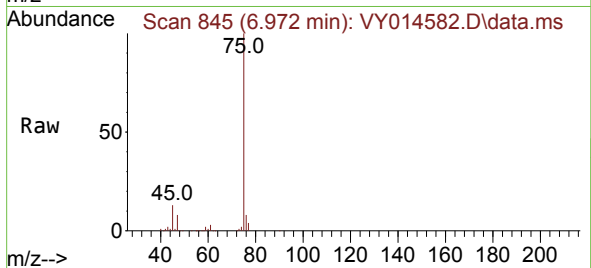
Tgt Ion:	43	Resp:	3703
Ion	Ratio	Lower	Upper
43	100		
72	17.2	20.5	30.7#



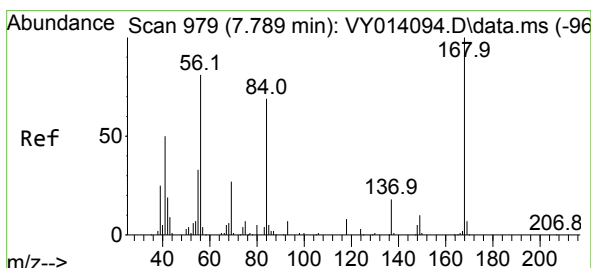
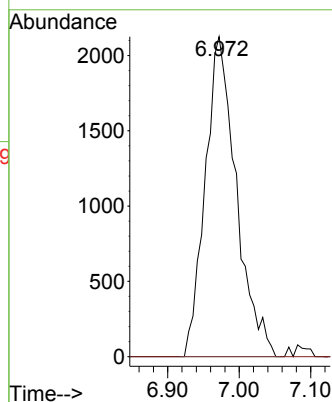
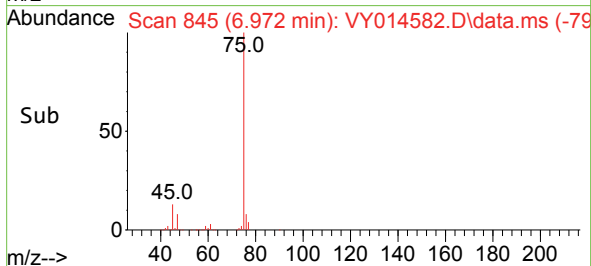


#26
2,2-Dichloropropane
Concen: 1.936 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

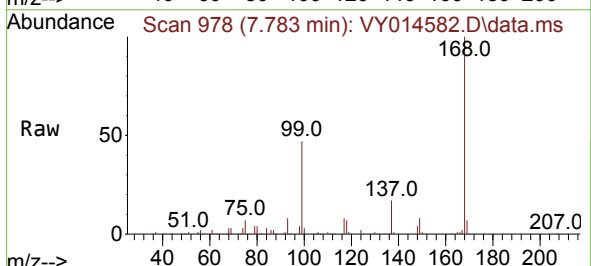
Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2



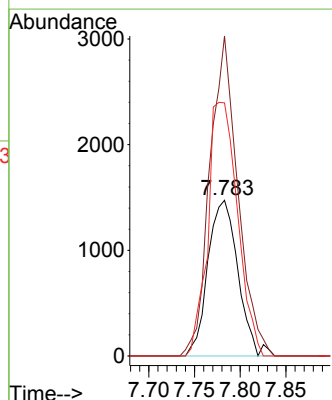
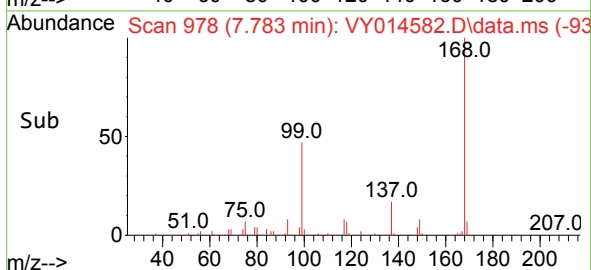
Tgt Ion: 77 Resp: 6418
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

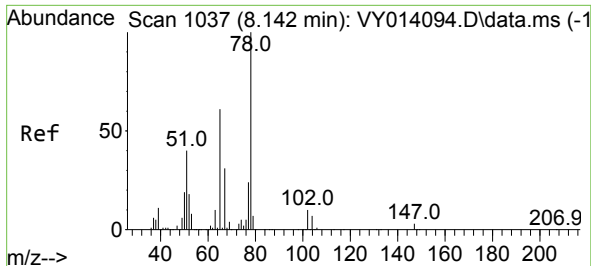


#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43



Tgt Ion: 56 Resp: 3372
Ion Ratio Lower Upper
56 100
69 205.6 27.8 41.6#
84 162.7 66.4 99.6#

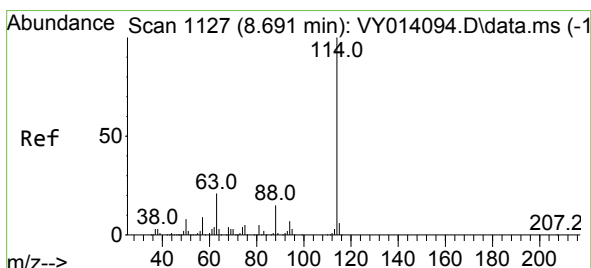
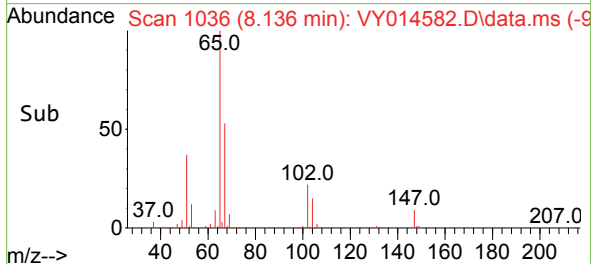
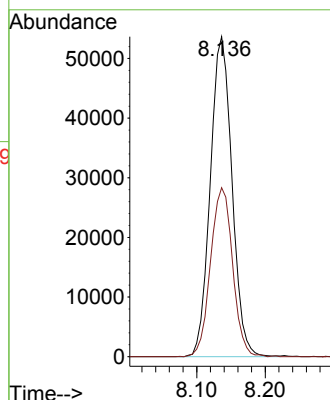
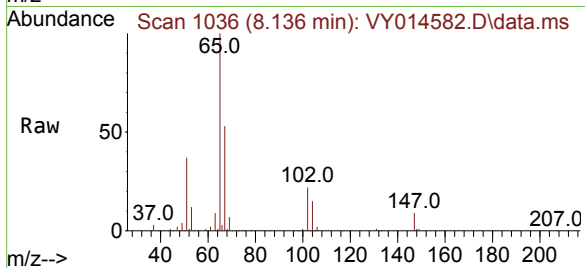




#33
1,2-Dichloroethane-d4
Concen: 55.744 ug/l
RT: 8.136 min Scan# 110
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

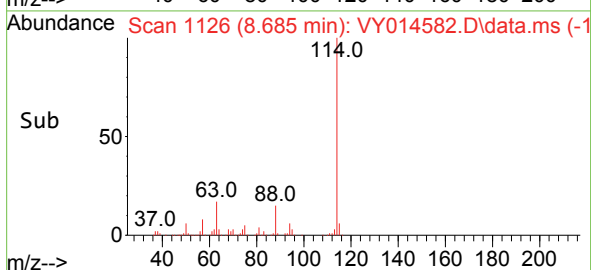
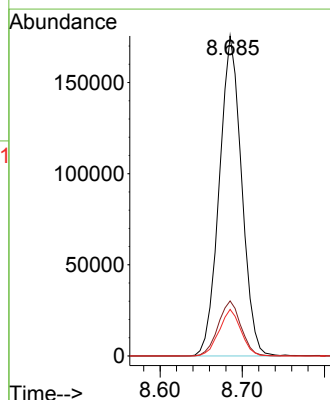
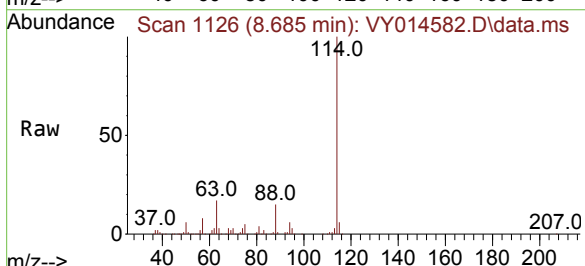
Instrument :
MSVOA_Y
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BERGENFIELD-COMP-2

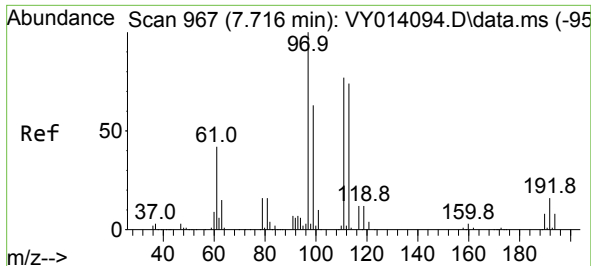
Tgt Ion: 65 Resp: 117929
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

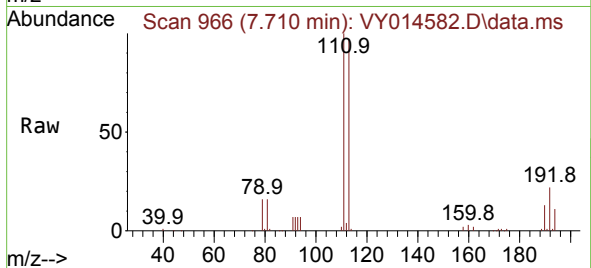
Tgt Ion:114 Resp: 331657
Ion Ratio Lower Upper
114 100
63 17.2 0.0 42.4
88 14.6 0.0 30.6



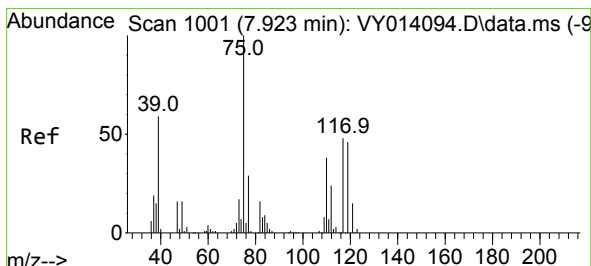
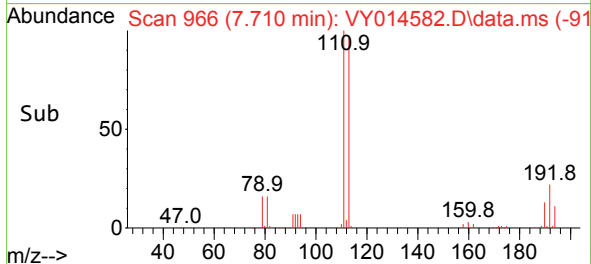
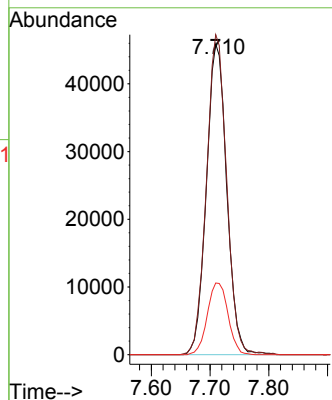


#35
Dibromofluoromethane
Concen: 54.106 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Instrument :
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ClientSampleId :
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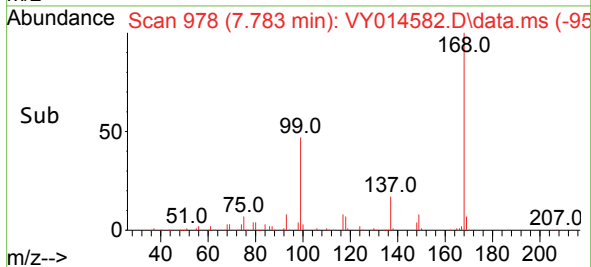
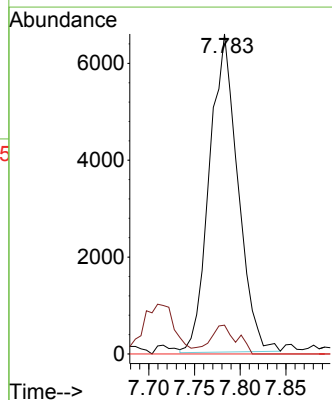
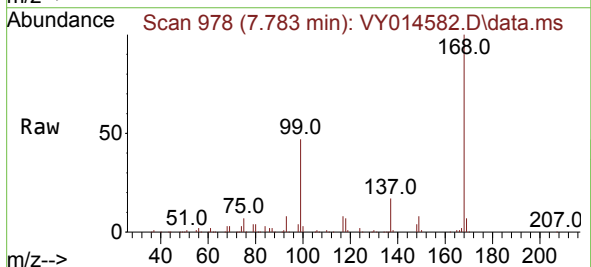


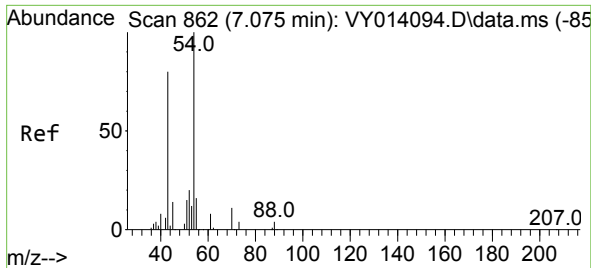
Tgt Ion:113 Resp: 110505
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 23.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.535 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Tgt Ion: 75 Resp: 14185
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 24.4 36.6#

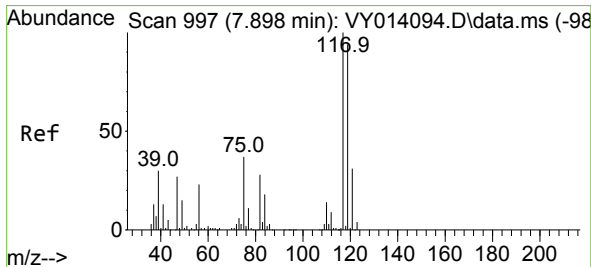
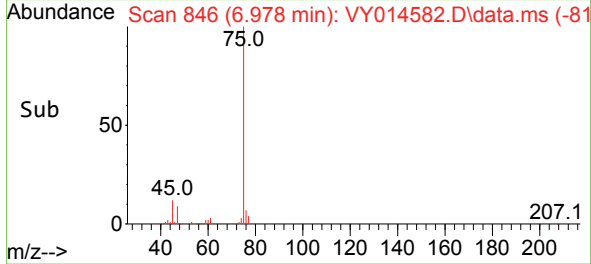
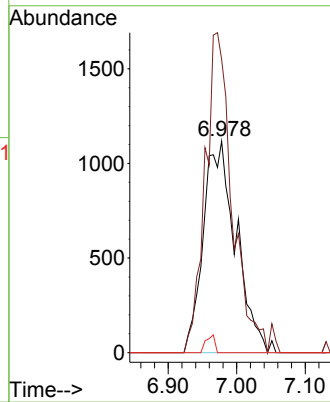
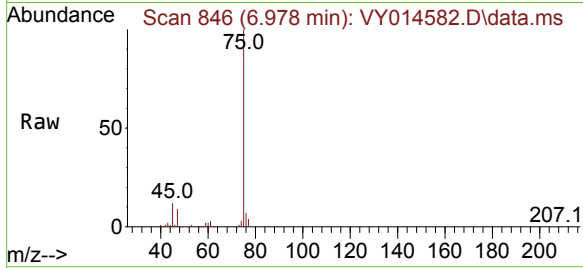




#37
Ethyl Acetate
Concen: 1.726 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

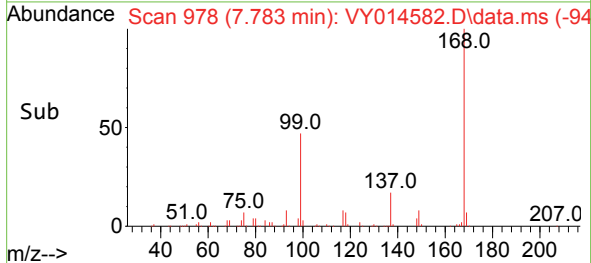
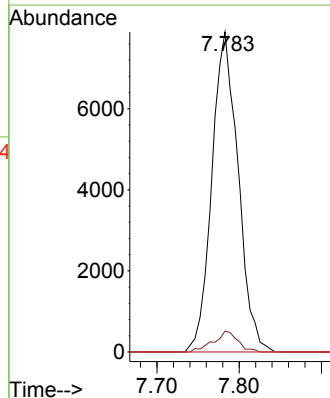
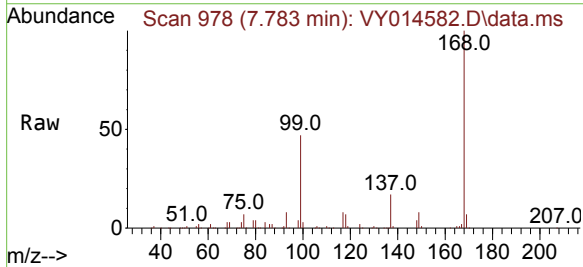
Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2

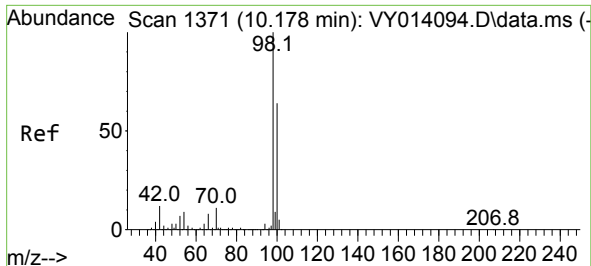
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
61 125.5 10.1 15.1#
70 2.3 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Tgt Ion: 117 Resp: 17498
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#

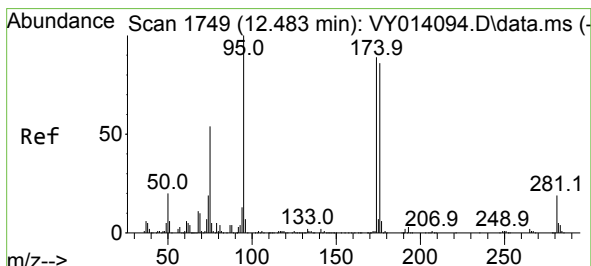
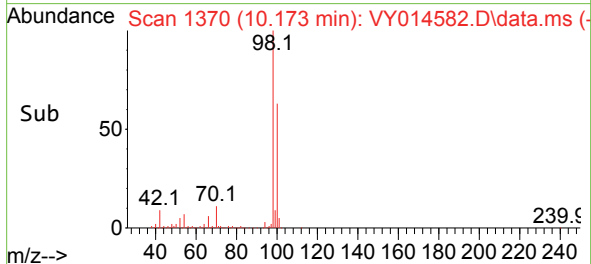
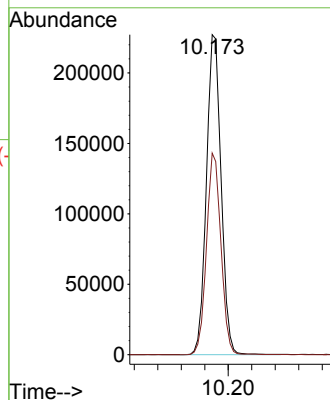
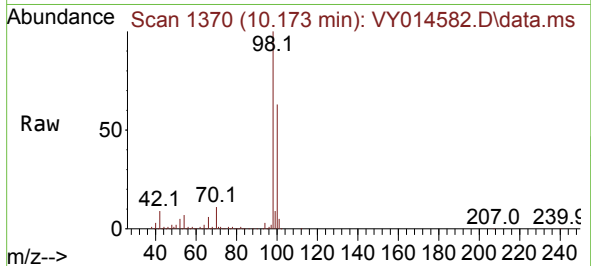




#50
Toluene-d8
Concen: 48.818 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

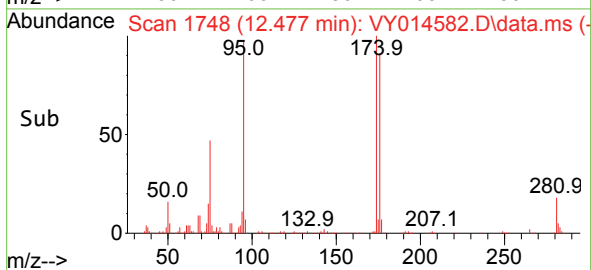
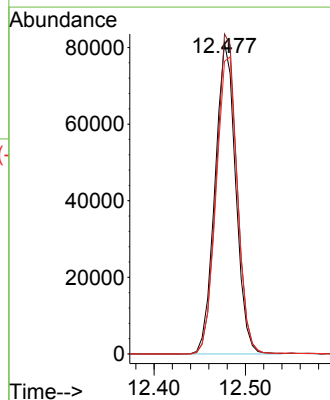
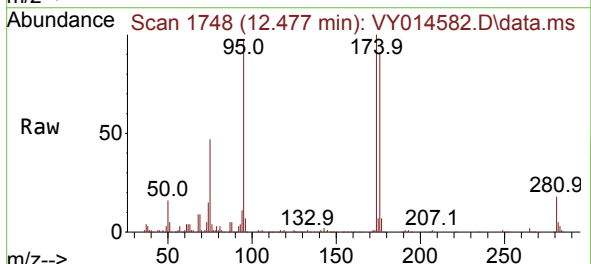
Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2

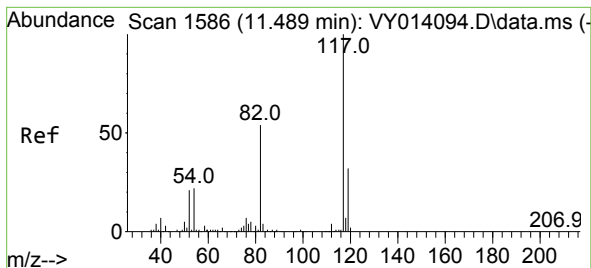
Tgt Ion: 98 Resp: 394140
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.611 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Tgt Ion: 95 Resp: 127871
Ion Ratio Lower Upper
95 100
174 103.2 0.0 178.2
176 98.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014582.D

Acq: 06 Jul 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

BERGENFIELD-COMP-2

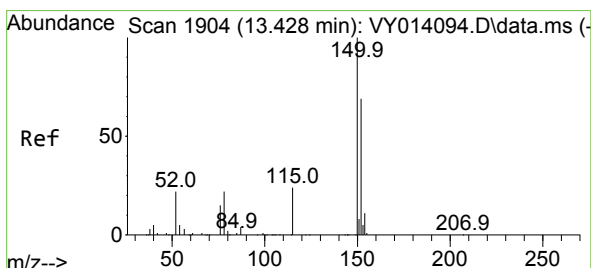
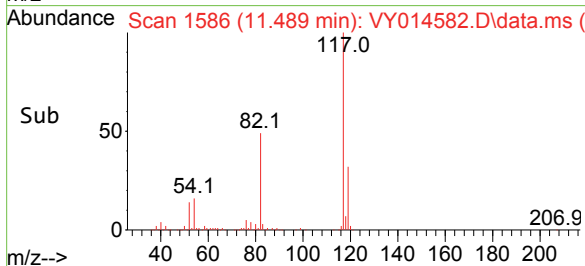
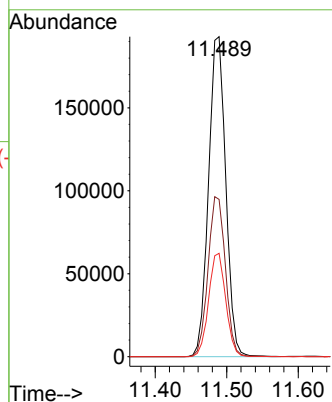
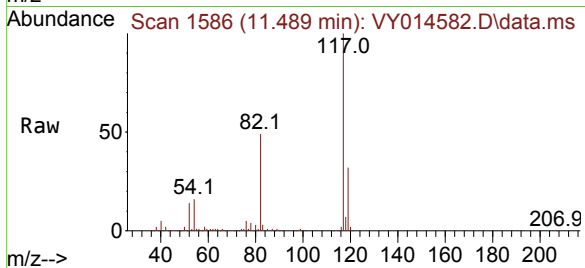
Tgt Ion:117 Resp: 322193

Ion Ratio Lower Upper

117 100

82 49.2 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014582.D

Acq: 06 Jul 2023 12:43

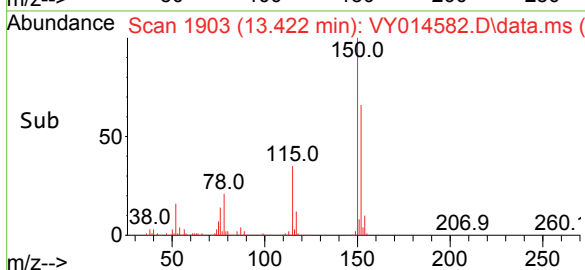
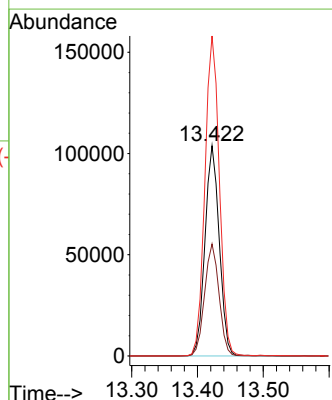
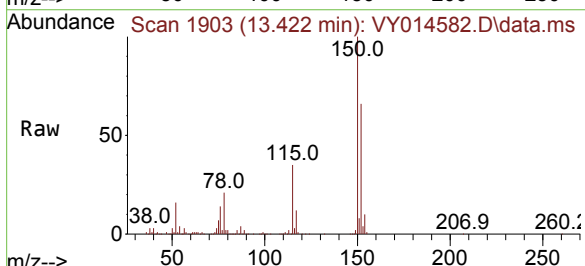
Tgt Ion:152 Resp: 157164

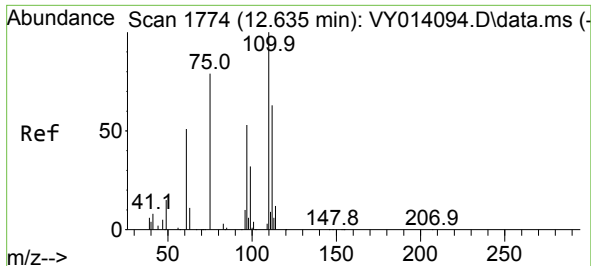
Ion Ratio Lower Upper

152 100

115 53.7 28.8 86.5

150 153.9 0.0 348.8

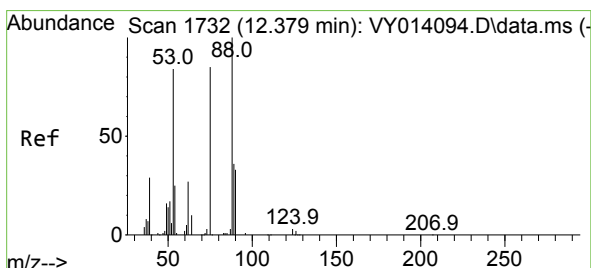
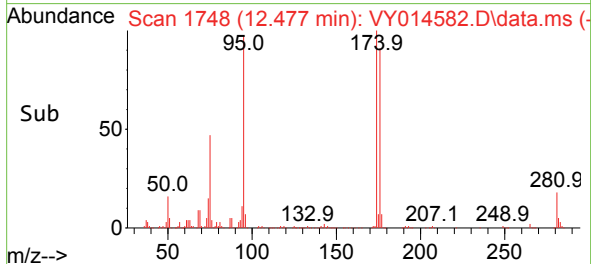
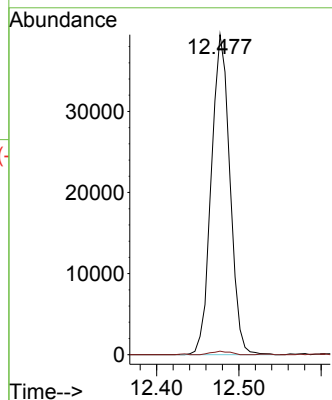
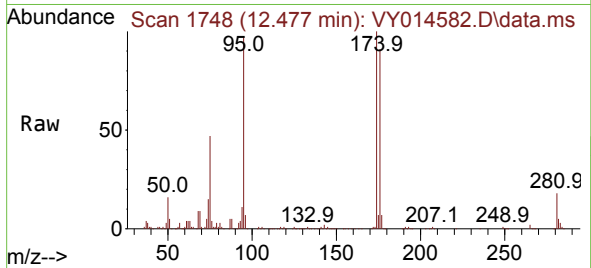




#76
1,2,3-Trichloropropane
Concen: 33.651 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :
BERGENFIELD-COMP-2

Tgt Ion: 75 Resp: 62062
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.500 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014582.D
Acq: 06 Jul 2023 12:43

Tgt Ion: 75 Resp: 62062
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#

