

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015988.D
 Acq On : 16 Oct 2023 16:40
 Operator : SY/MD
 Sample : 04892-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 05:44:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

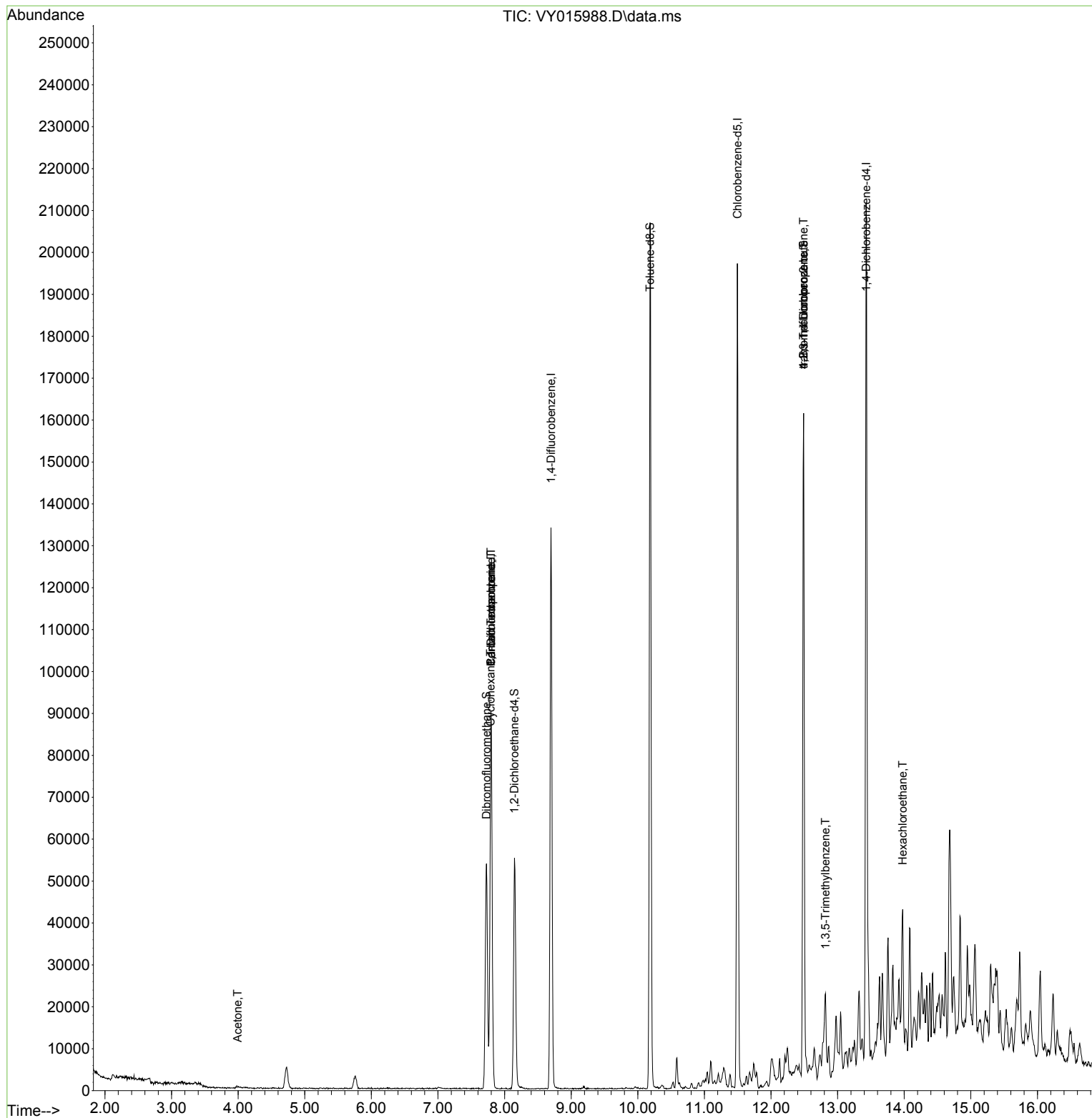
Internal Standards						
1) Pentafluorobenzene	7.795	168	69912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	114775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	107964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	53832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	43914	55.038	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.080%	
35) Dibromofluoromethane	7.728	113	38223	52.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.800%	
50) Toluene-d8	10.185	98	135815	50.191	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.380%	
62) 4-Bromofluorobenzene	12.489	95	46523	48.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	643	Below Cal	#	85
16) Acetone	3.990	43	824	1.778	ug/l	96
31) Cyclohexane	7.789	56	1568	1.235	ug/l #	3
36) 1,1-Dichloropropene	7.795	75	5127	4.703	ug/l #	53
38) Carbon Tetrachloride	7.795	117	6898	6.008	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	24318	23.083	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.818	105	3623	1.144	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.489	75	24318	54.376	ug/l #	11
90) Hexachloroethane	13.977	117	1239	1.874	ug/l #	8

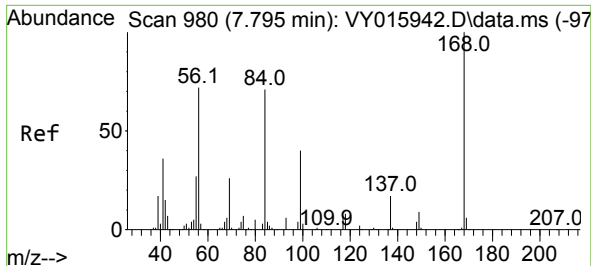
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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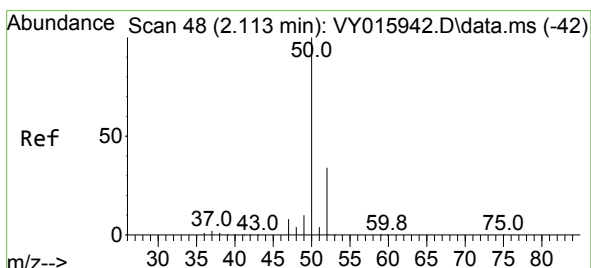
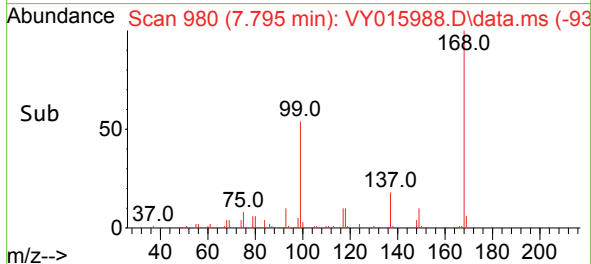
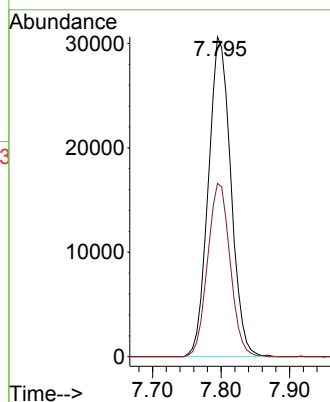
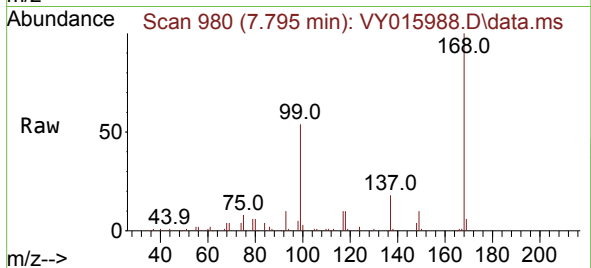




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

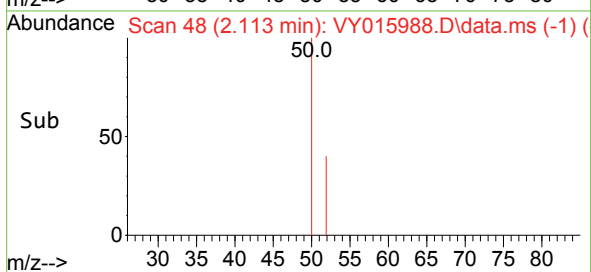
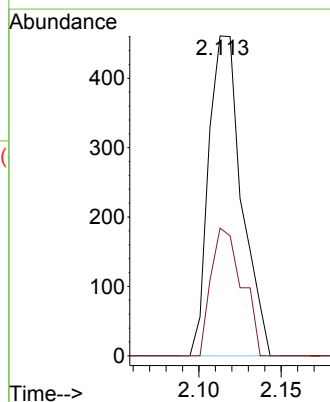
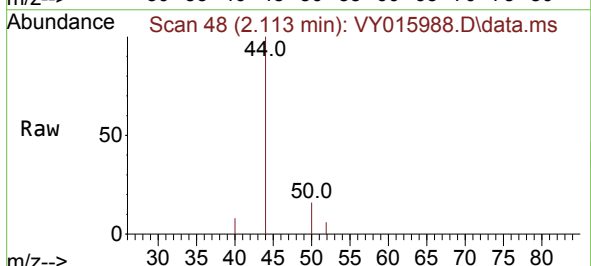
Instrument :
MSVOA_Y
ClientSampleId :

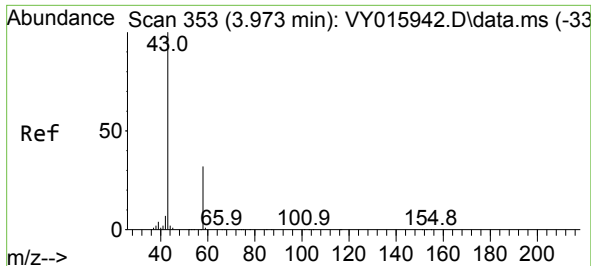
Tgt Ion:168 Resp: 69912
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

Tgt Ion: 50 Resp: 643
Ion Ratio Lower Upper
50 100
52 39.9 25.4 38.2#





#16

Acetone

Concen: 1.778 ug/l

RT: 3.990 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

Instrument :

MSVOA_Y

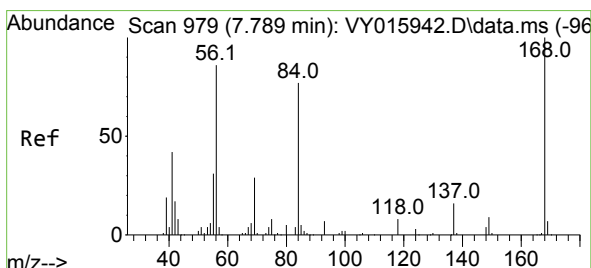
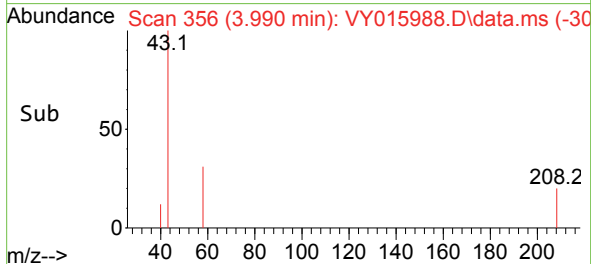
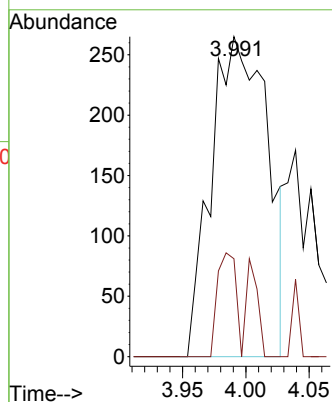
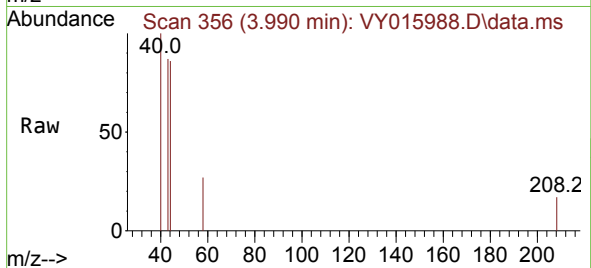
ClientSampleId :

Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

58 30.6 22.7 34.1



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

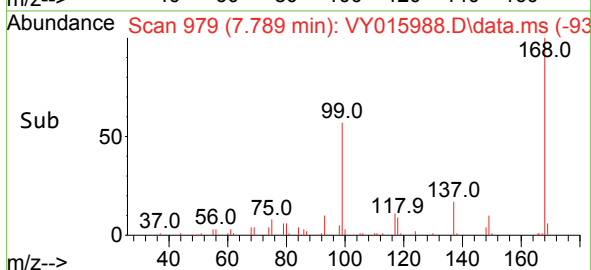
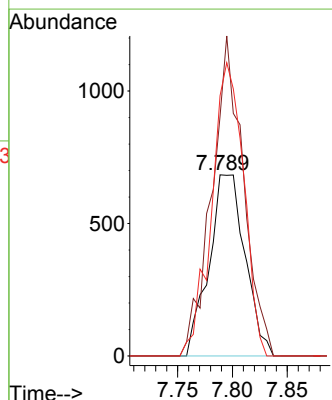
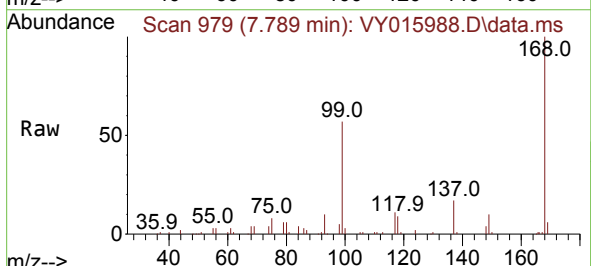
Tgt Ion: 56 Resp: 1568

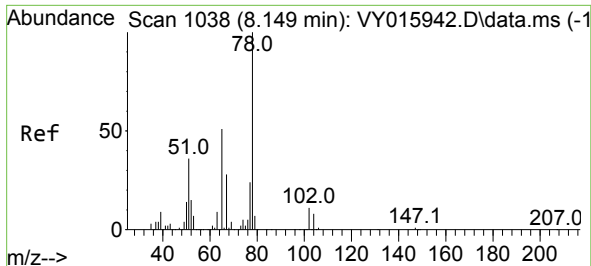
Ion Ratio Lower Upper

56 100

69 132.3 27.8 41.6#

84 143.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.038 ug/l

RT: 8.148 min Scan# 1038

Delta R.T. -0.000 min

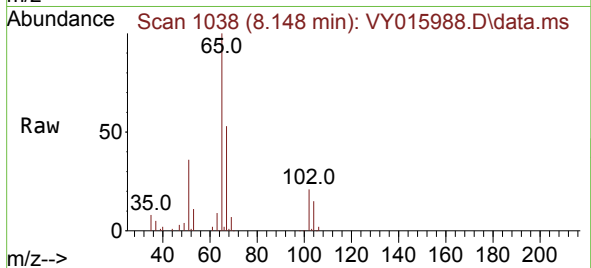
Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

Instrument :

MSVOA_Y

ClientSampleId :

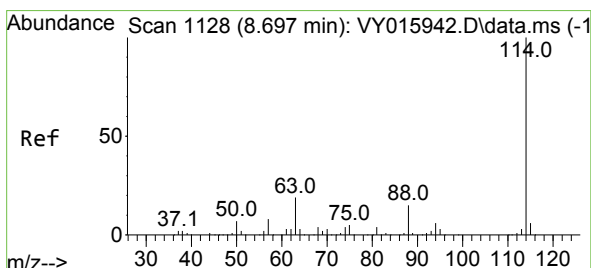
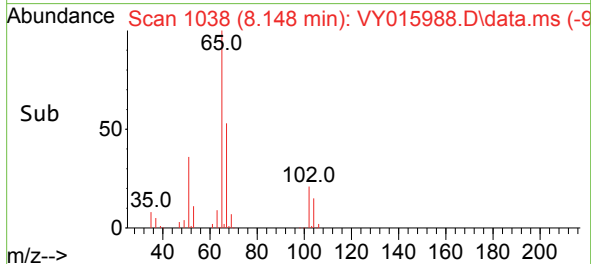
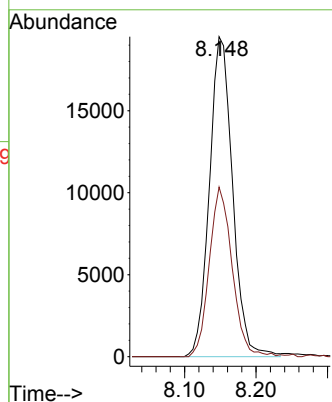


Tgt Ion: 65 Resp: 43914

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

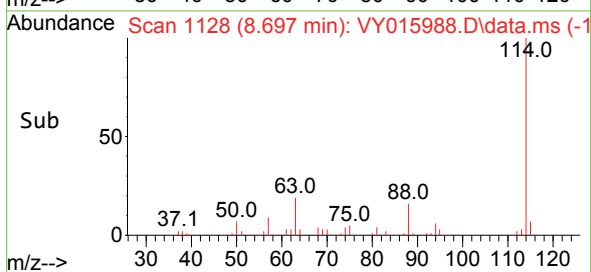
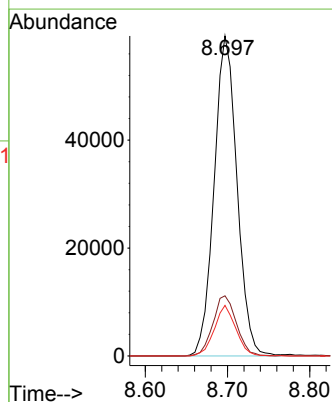
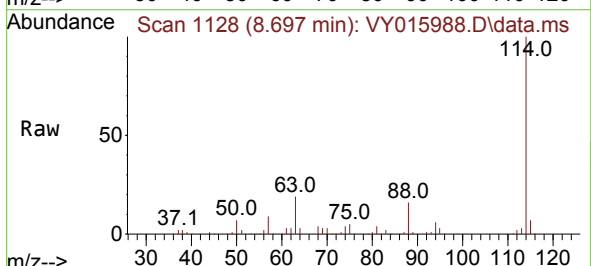
Tgt Ion:114 Resp: 114775

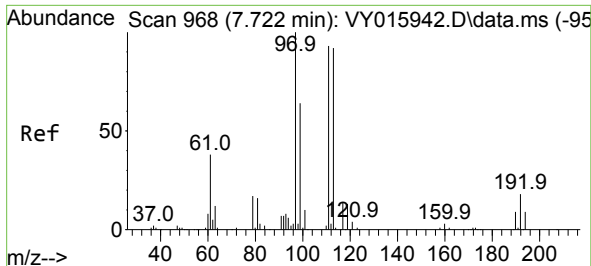
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.8 0.0 30.6

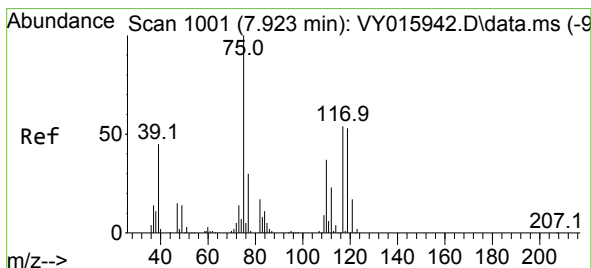
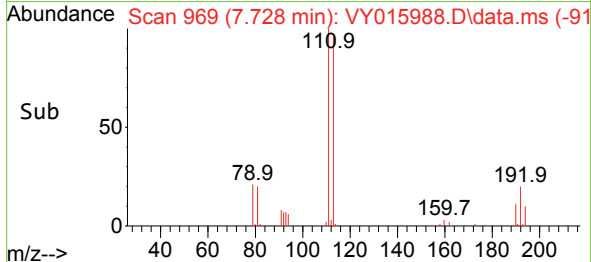
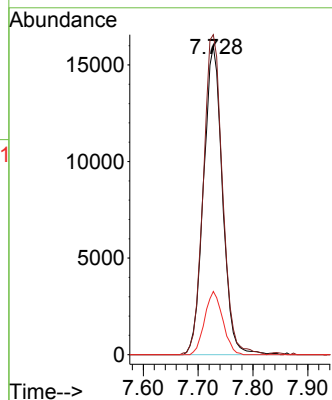
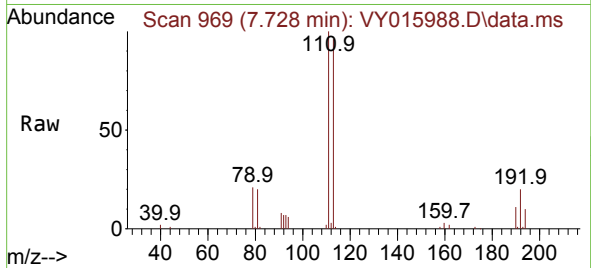




#35
 Dibromofluoromethane
 Concen: 52.899 ug/l
 RT: 7.728 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VY015988.D
 Acq: 16 Oct 2023 16:40

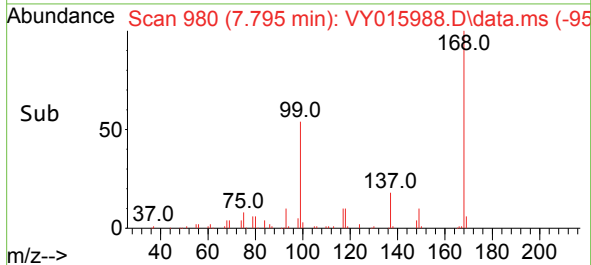
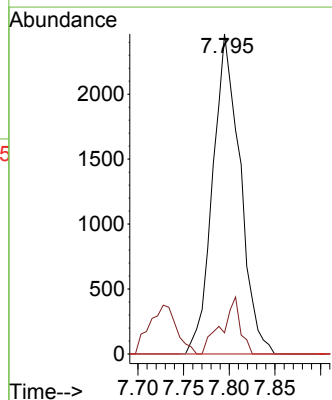
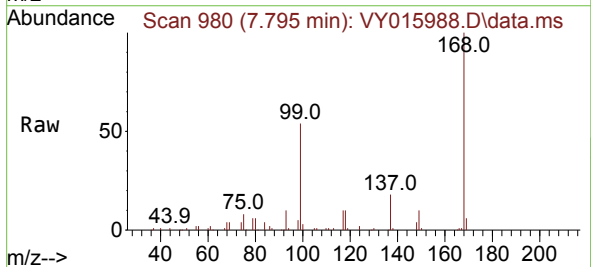
Instrument :
 MSVOA_Y
 ClientSampleId :

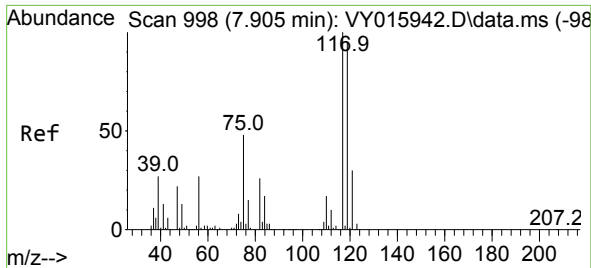
Tgt Ion:113 Resp: 38223
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.3 121.9
 192 19.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.128 min
 Lab File: VY015988.D
 Acq: 16 Oct 2023 16:40

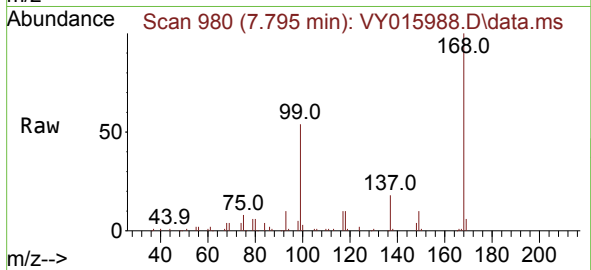
Tgt Ion: 75 Resp: 5127
 Ion Ratio Lower Upper
 75 100
 110 12.2 17.8 53.5#
 77 0.0 24.4 36.6#



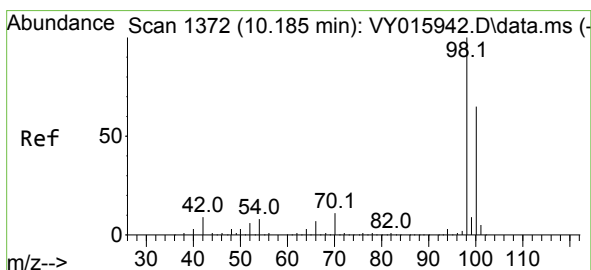
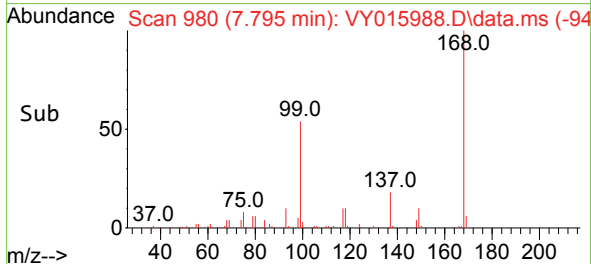
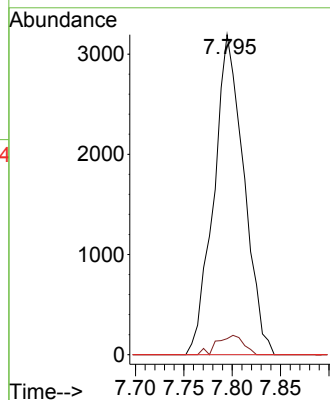


#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

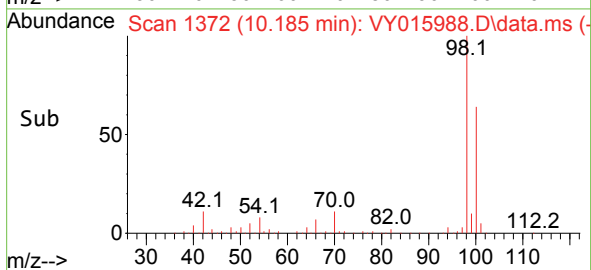
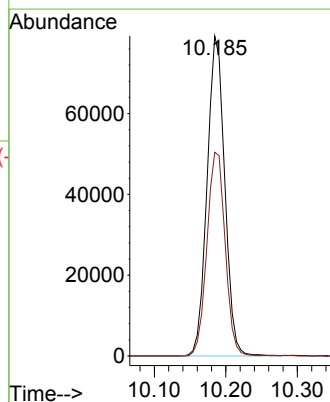
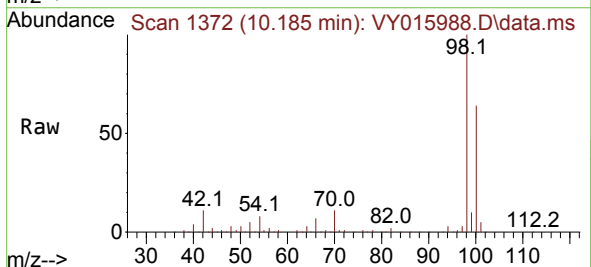


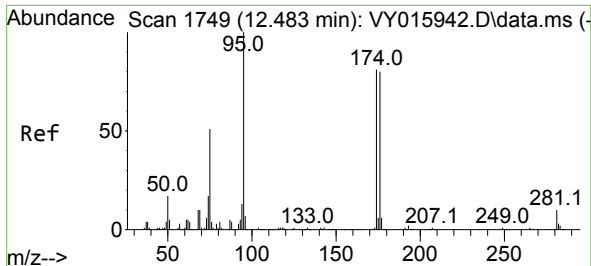
Tgt Ion:117 Resp: 6898
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.191 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

Tgt Ion: 98 Resp: 135815
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

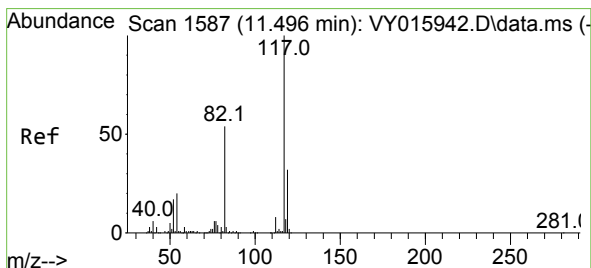
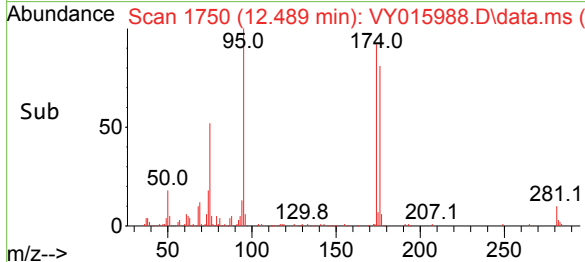
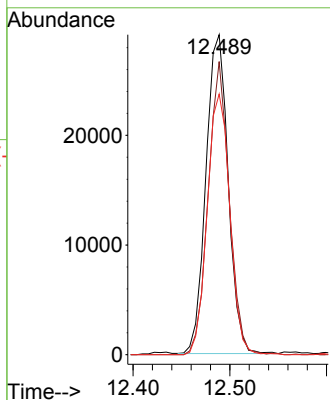
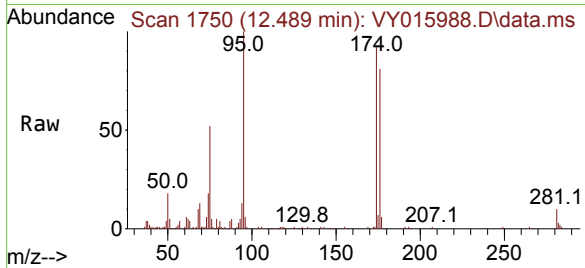




#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

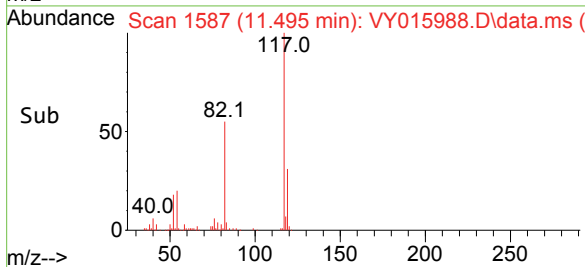
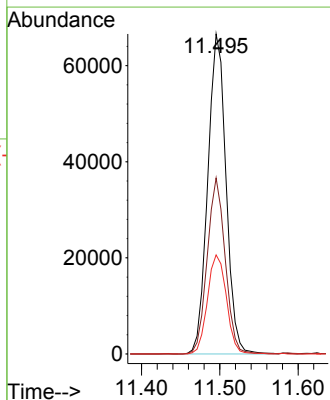
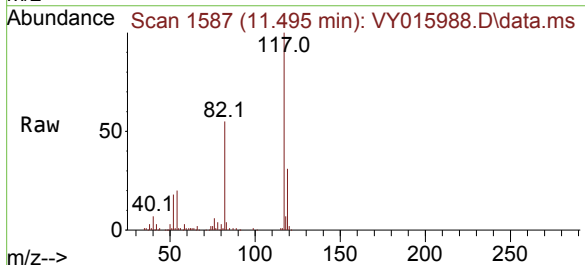
Instrument :
MSVOA_Y
ClientSampleId :

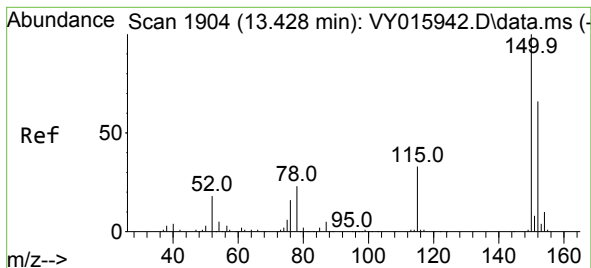
Tgt Ion: 95 Resp: 46523
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 83.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY015988.D
Acq: 16 Oct 2023 16:40

Tgt Ion: 117 Resp: 107964
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 31.0 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: VY015988.D

Acq: 16 Oct 2023 16:40

Instrument :

MSVOA_Y

ClientSampleId :

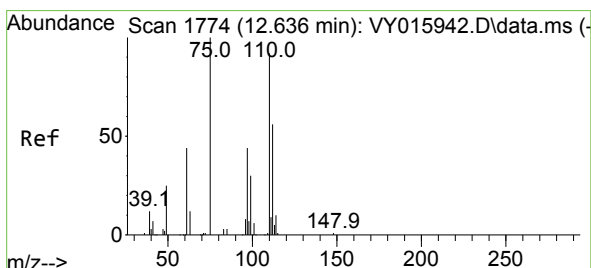
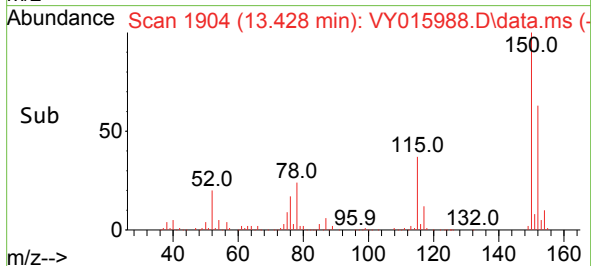
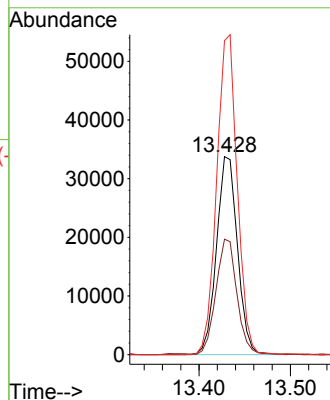
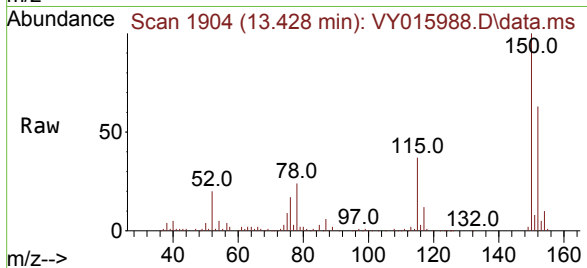
Tgt Ion:152 Resp: 53832

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 23.083 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.147 min

Lab File: VY015988.D

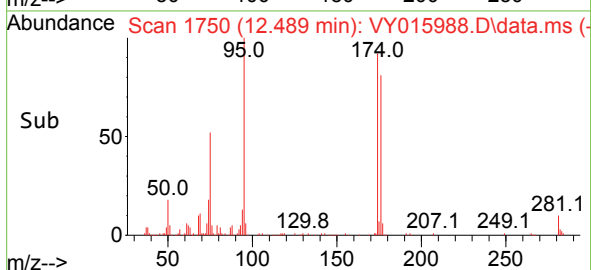
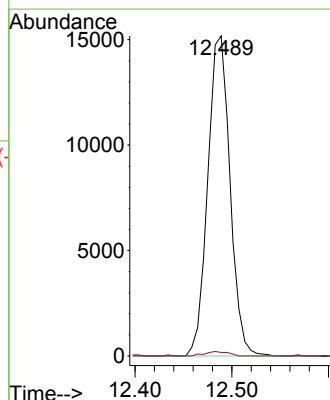
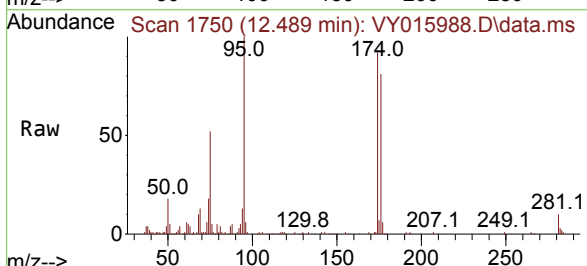
Acq: 16 Oct 2023 16:40

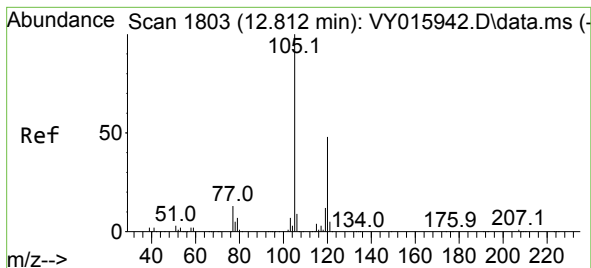
Tgt Ion: 75 Resp: 24318

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.144 ug/l

RT: 12.818 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

Instrument :

MSVOA_Y

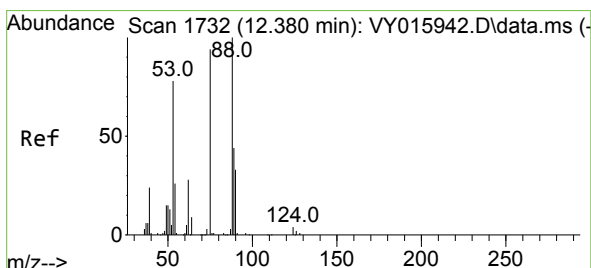
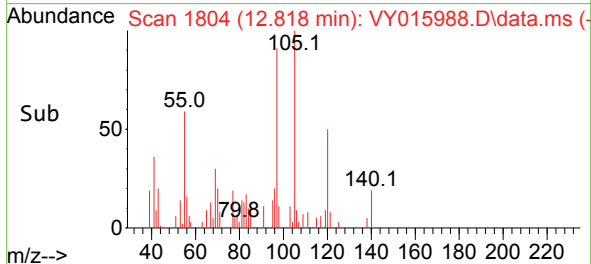
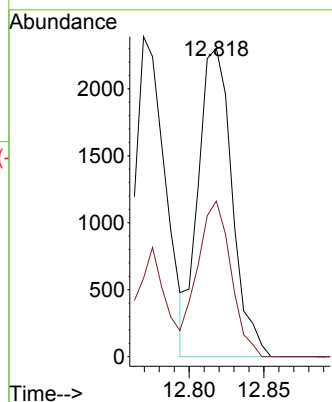
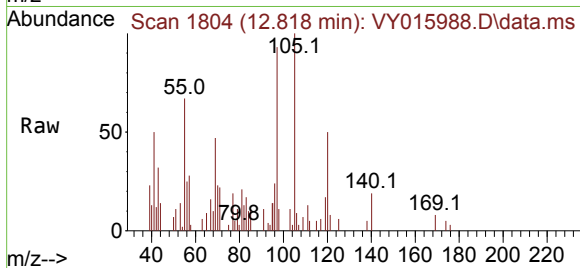
ClientSampleId :

Tgt Ion:105 Resp: 3623

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 54.376 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.109 min

Lab File: VY015988.D

Acq: 16 Oct 2023 16:40

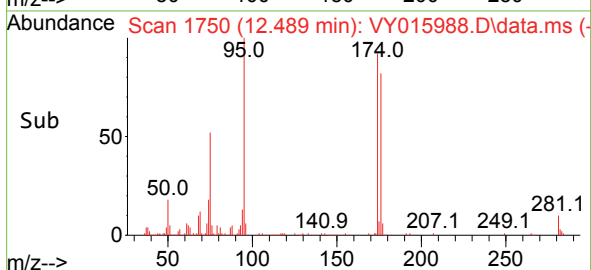
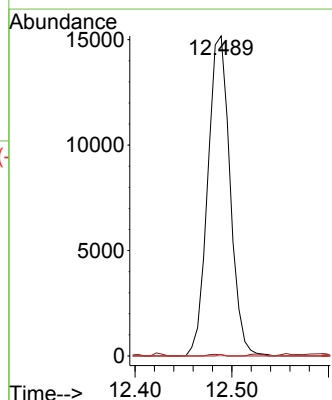
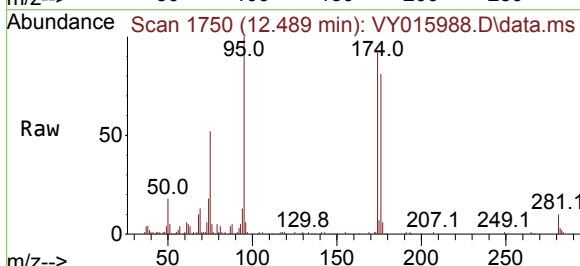
Tgt Ion: 75 Resp: 24318

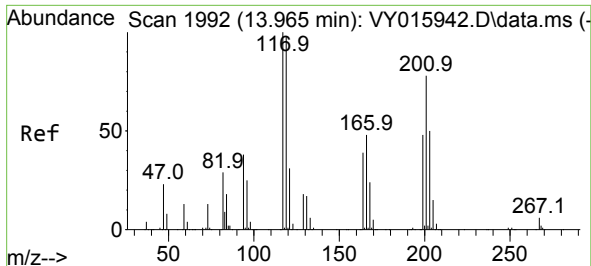
Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

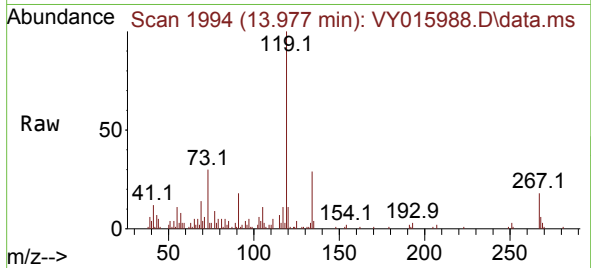
89 0.1 37.4 56.0#





#90
 Hexachloroethane
 Concen: 1.874 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY015988.D
 Acq: 16 Oct 2023 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:117 Resp: 1239
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.6 124.8#

