

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015900.D
 Acq On : 10 Oct 2023 16:28
 Operator : SY/MD
 Sample : 04764-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:21:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

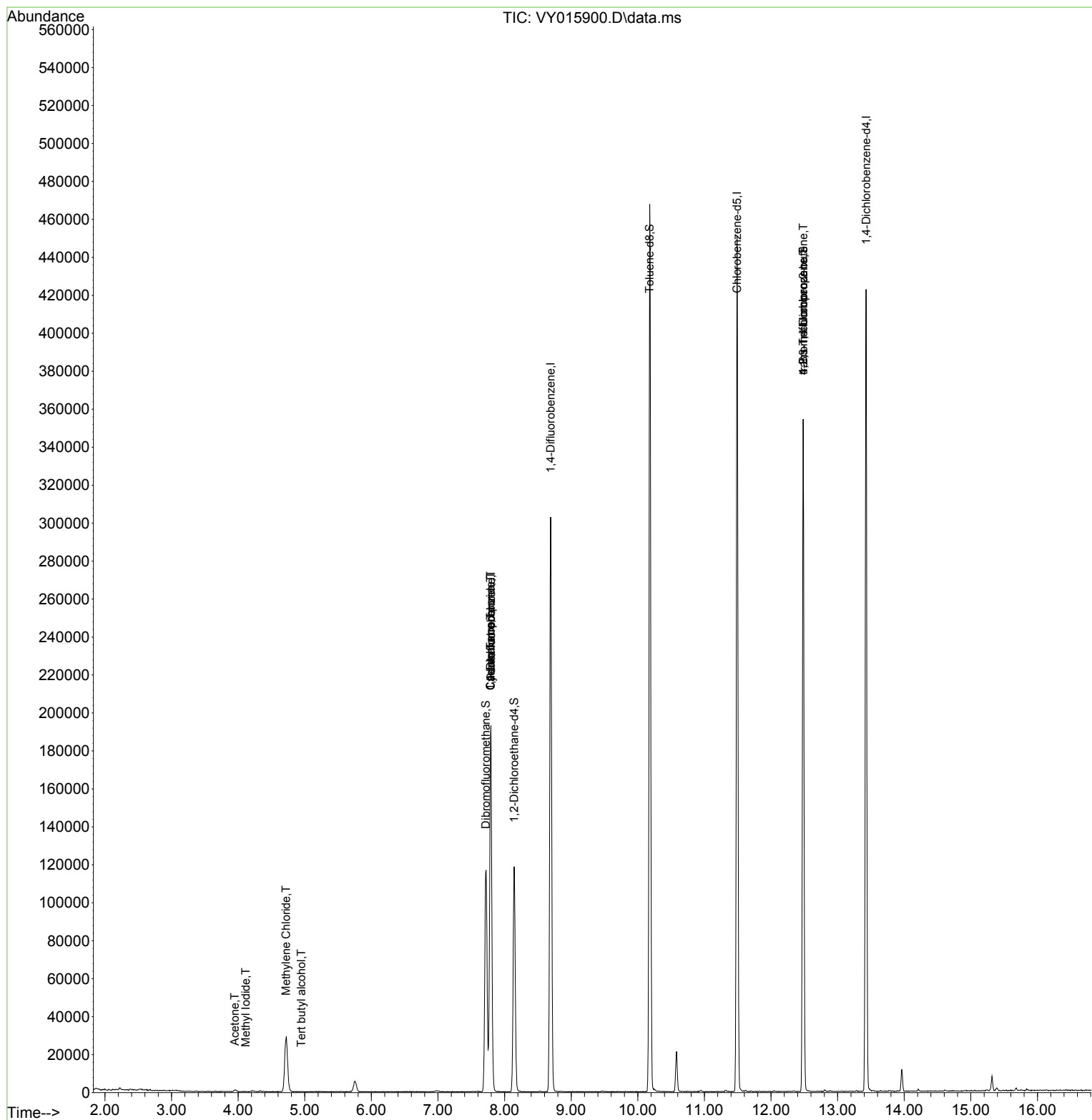
Internal Standards						
1) Pentafluorobenzene	7.795	168	150971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	264698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90409	66.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.100%	
35) Dibromofluoromethane	7.716	113	85848	58.146	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.300%	
50) Toluene-d8	10.179	98	311106	63.936	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.880%	
62) 4-Bromofluorobenzene	12.483	95	104692	52.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.940%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	22	2.291	ug/l #	38
11) Tert butyl alcohol	4.948	59	27	10.910	ug/l #	89
16) Acetone	3.948	43	865	7.440	ug/l #	40
20) Methylene Chloride	4.716	84	22407	7.920	ug/l #	84
31) Cyclohexane	7.789	56	2745	1.887	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11115	6.797	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14518	7.393	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	54208	41.320	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54208	91.628	ug/l #	10

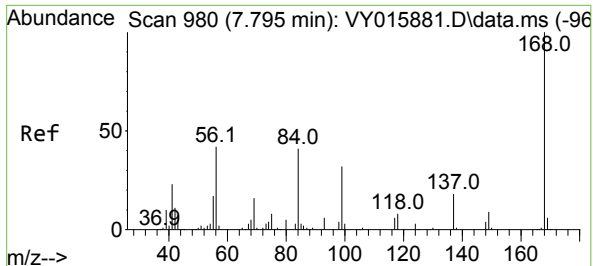
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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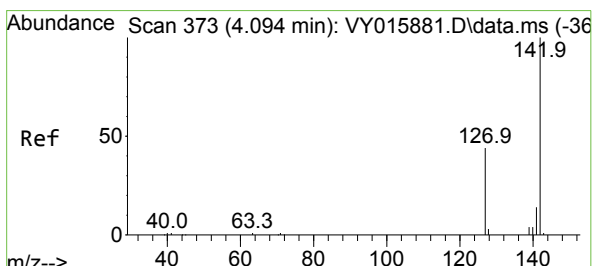
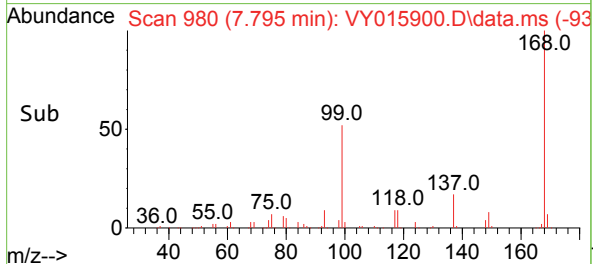
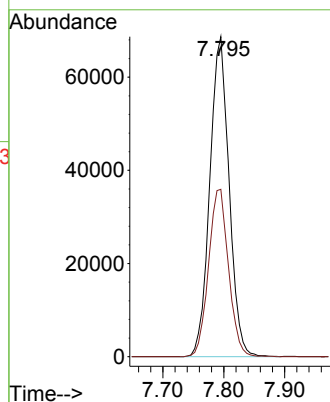
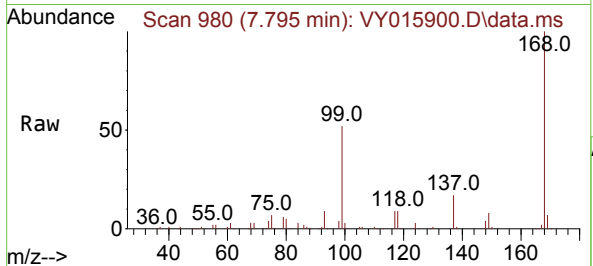




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

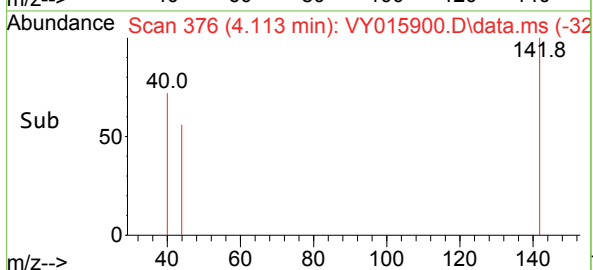
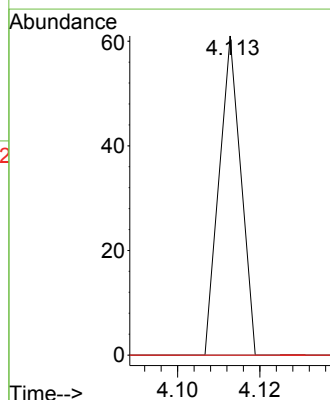
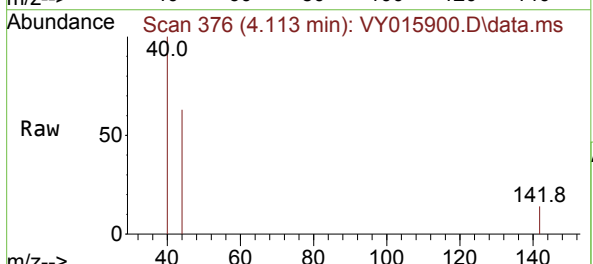
Instrument :
MSVOA_Y
ClientSampleId :

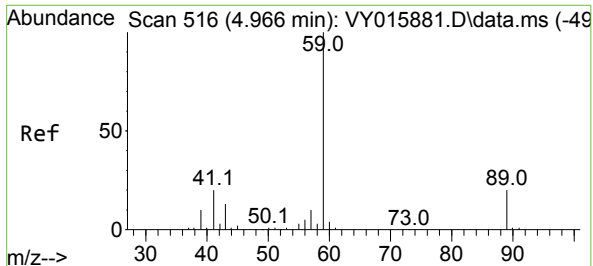
Tgt Ion:168 Resp: 150971
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.291 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.019 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

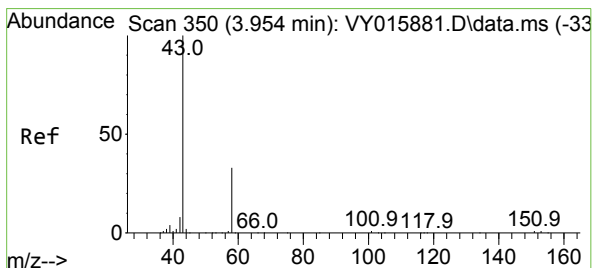
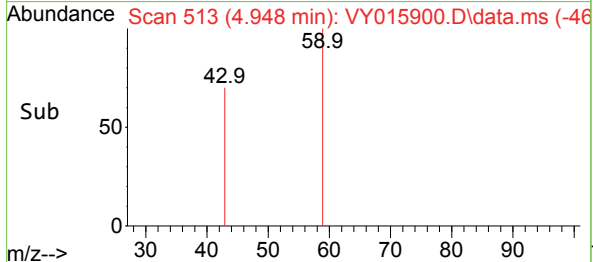
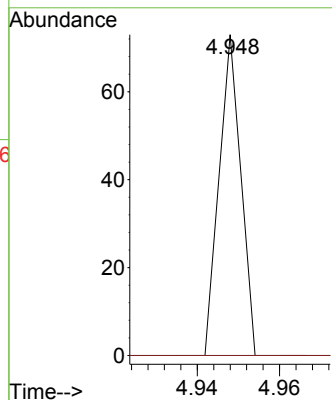
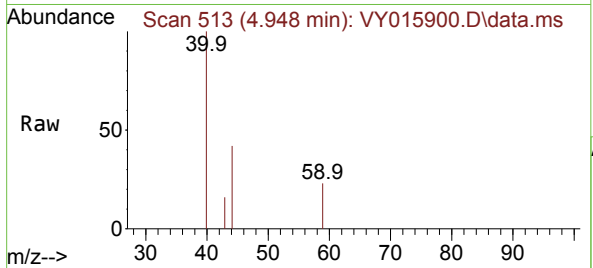




#11
Tert butyl alcohol
Concen: 10.910 ug/l
RT: 4.948 min Scan# 516
Delta R.T. -0.018 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

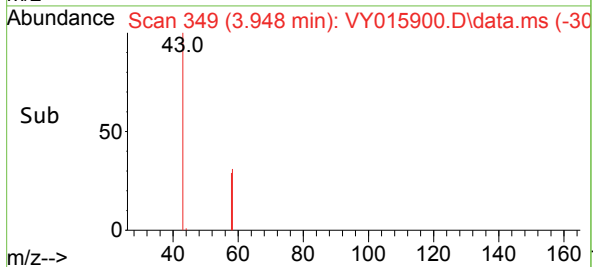
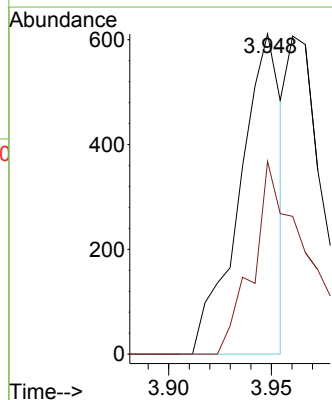
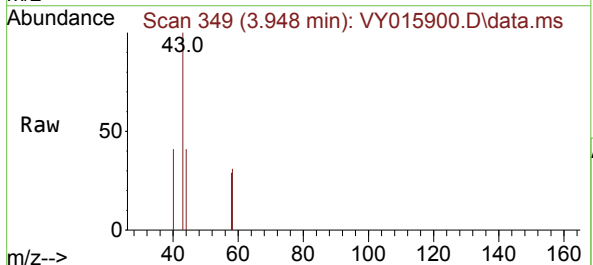
Instrument :
MSVOA_Y
ClientSampleId :

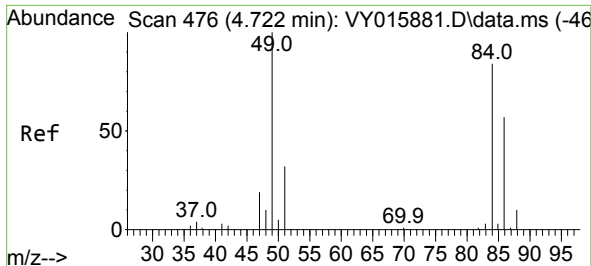
Tgt Ion: 59 Resp: 27
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 7.440 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 60.2 22.7 34.1#





#20

Methylene Chloride

Concen: 7.920 ug/l

RT: 4.716 min Scan# 41

Delta R.T. -0.006 min

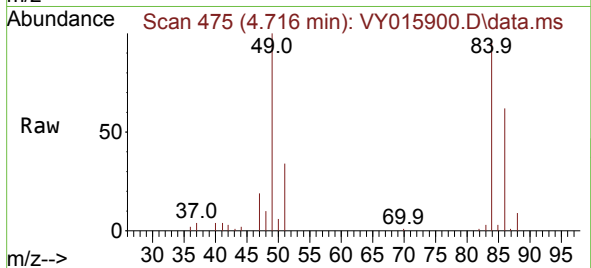
Lab File: VY015900.D

Acq: 10 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 22407

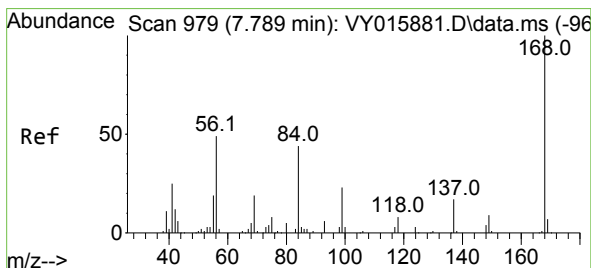
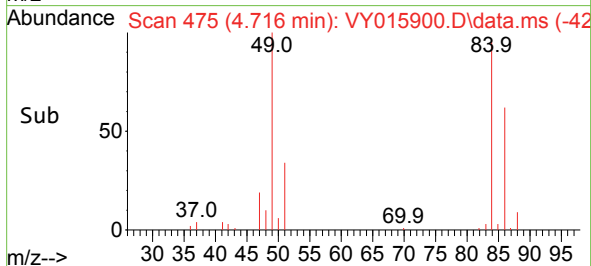
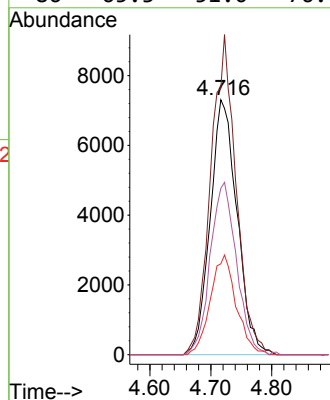
Ion Ratio Lower Upper

84 100

49 104.7 106.9 160.3#

51 35.7 33.2 49.8

86 65.3 51.0 76.6



#31

Cyclohexane

Concen: 1.887 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY015900.D

Acq: 10 Oct 2023 16:28

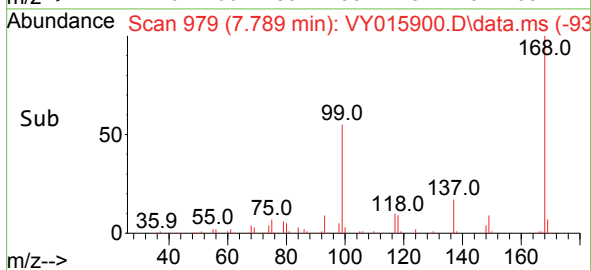
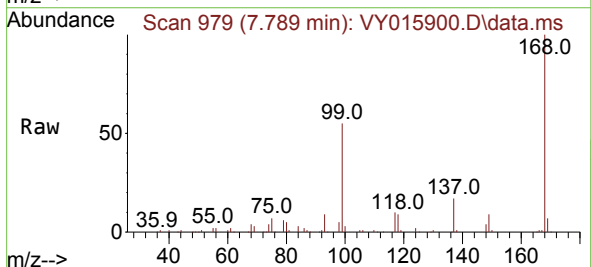
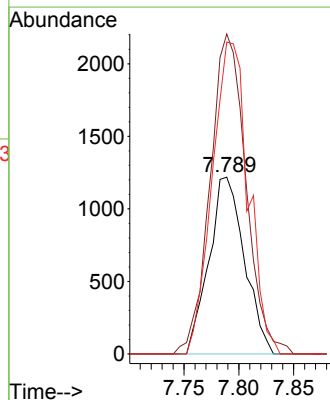
Tgt Ion: 56 Resp: 2745

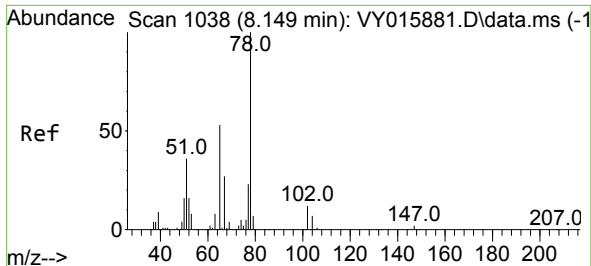
Ion Ratio Lower Upper

56 100

69 176.7 27.8 41.6#

84 176.5 66.4 99.6#

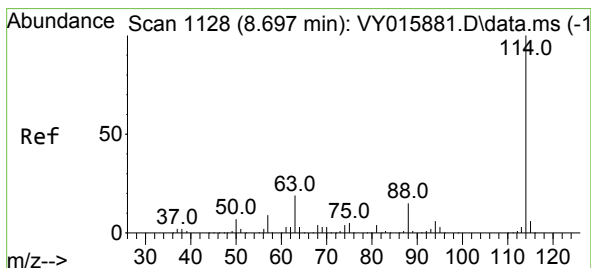
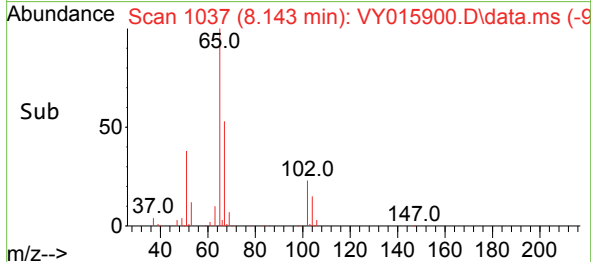
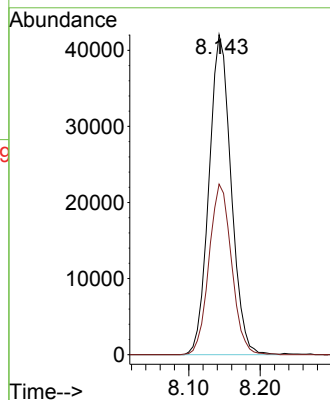
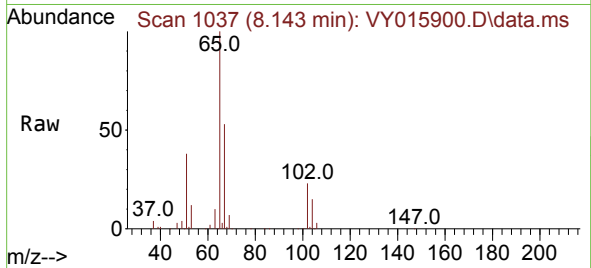




#33
 1,2-Dichloroethane-d4
 Concen: 66.554 ug/l
 RT: 8.143 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: VY015900.D
 Acq: 10 Oct 2023 16:28

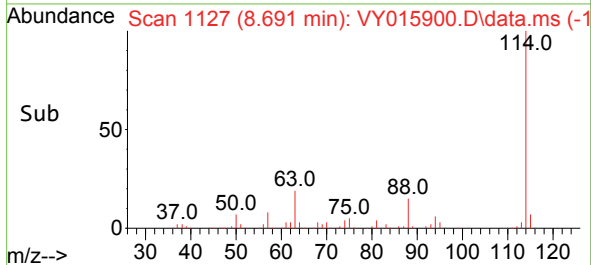
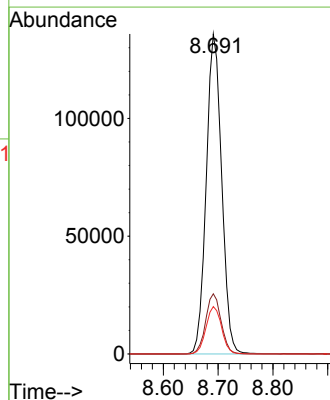
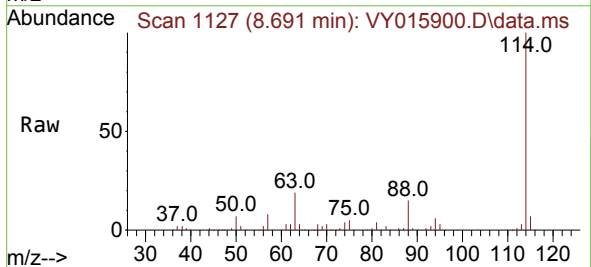
Instrument :
 MSVOA_Y
 ClientSampleId :

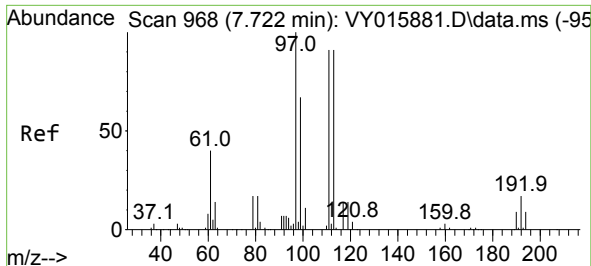
Tgt Ion: 65 Resp: 90409
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY015900.D
 Acq: 10 Oct 2023 16:28

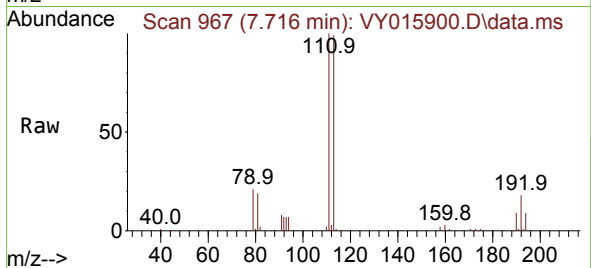
Tgt Ion:114 Resp: 264698
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 14.8 0.0 30.6



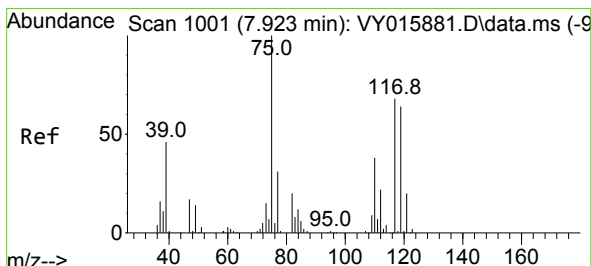
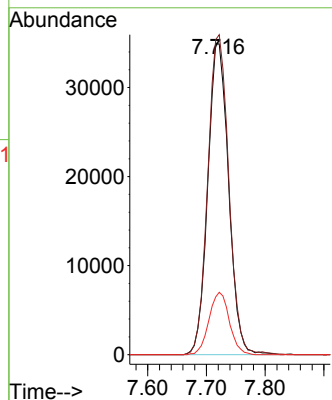
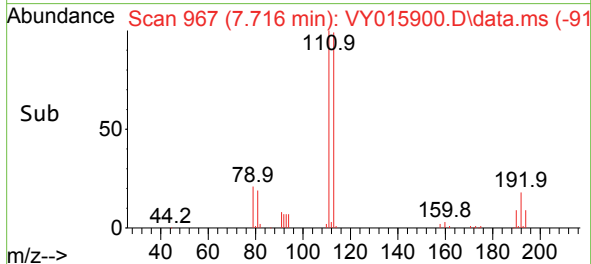


#35
Dibromofluoromethane
Concen: 58.146 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

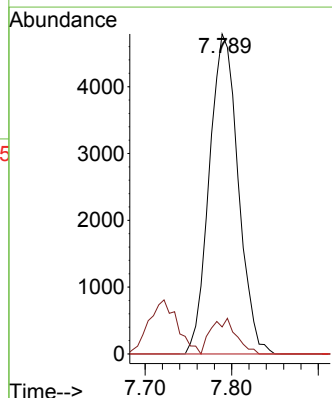
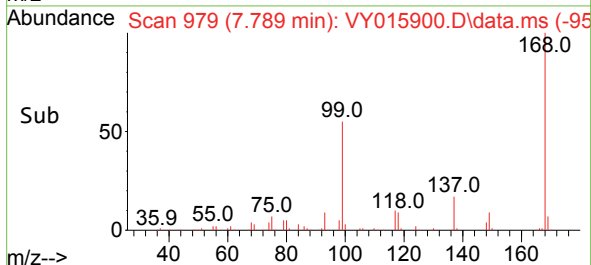
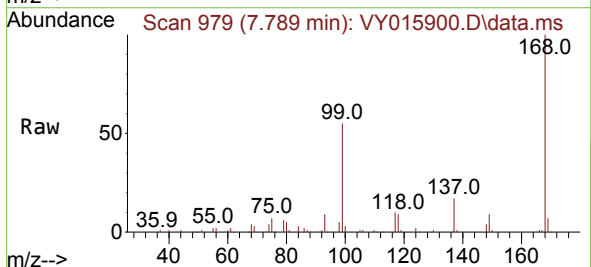


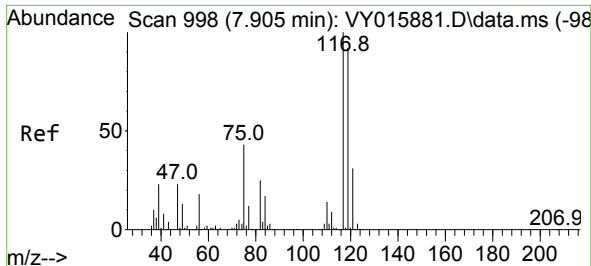
Tgt Ion:113 Resp: 85848
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.797 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

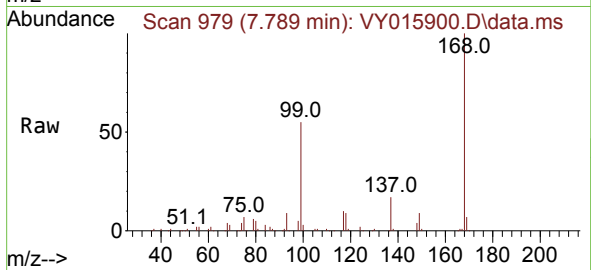
Tgt Ion: 75 Resp: 11115
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



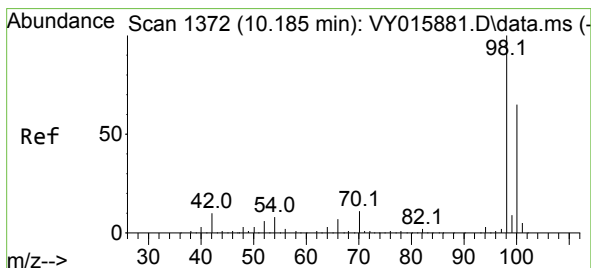
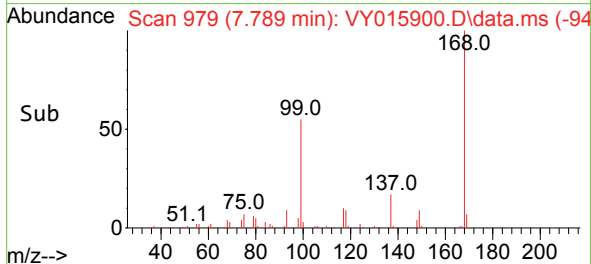
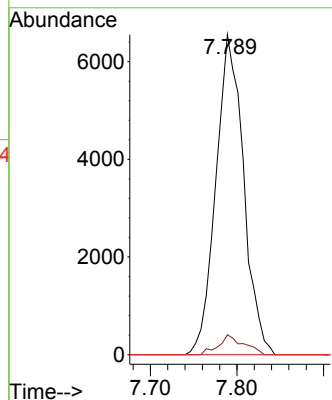


#38
Carbon Tetrachloride
Concen: 7.393 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

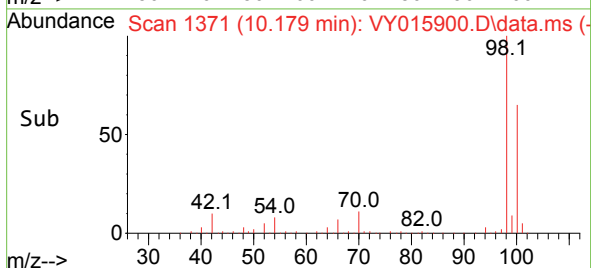
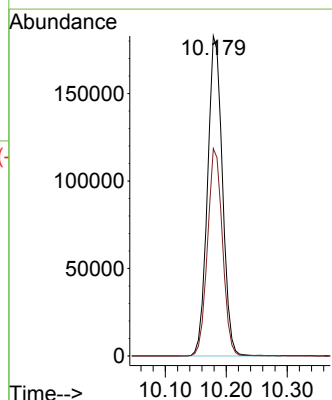
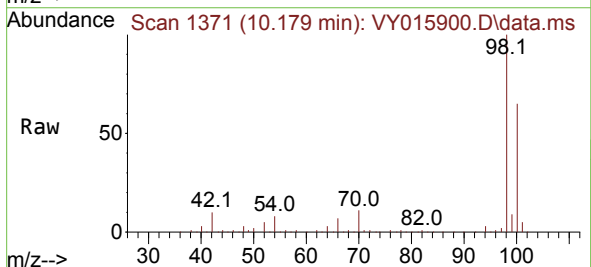


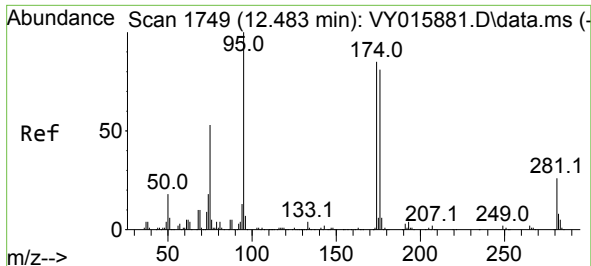
Tgt Ion:117 Resp: 14518
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 63.936 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Tgt Ion: 98 Resp: 311106
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

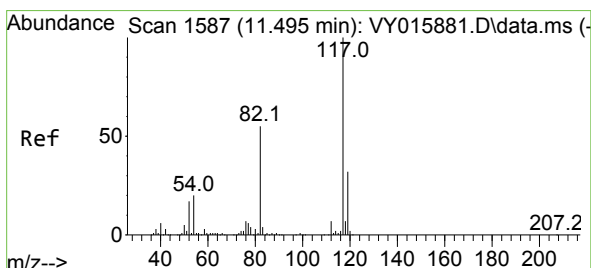
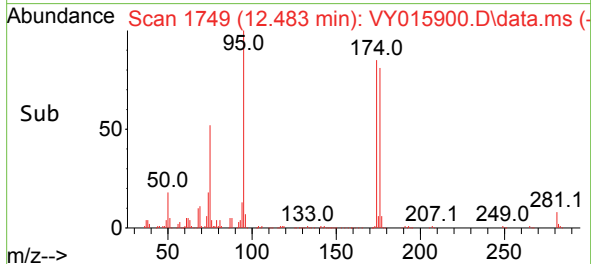
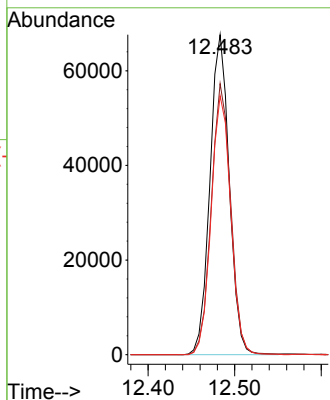
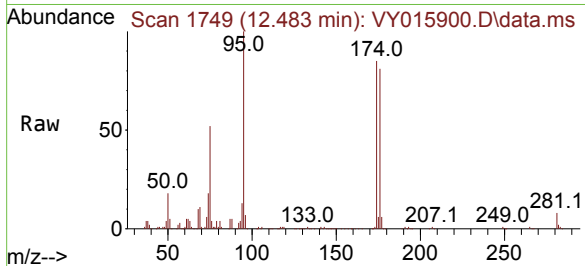




#62
4-Bromofluorobenzene
Concen: 52.971 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

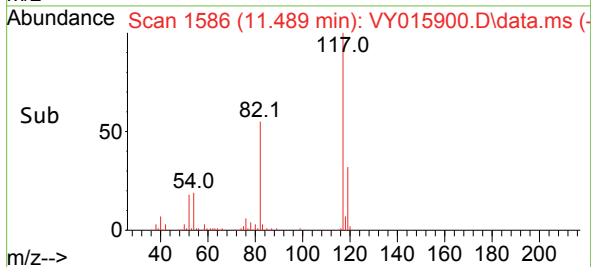
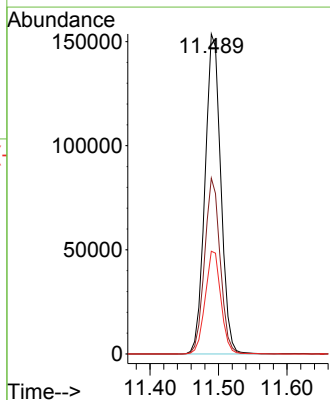
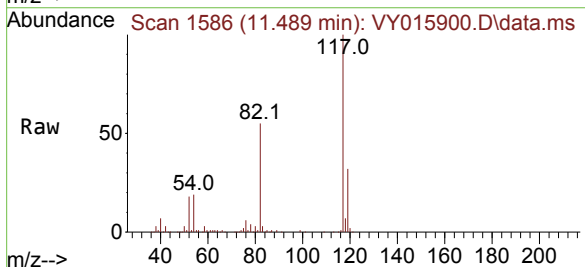
Instrument :
MSVOA_Y
ClientSampleId :

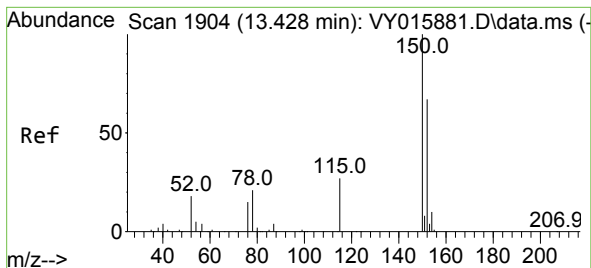
Tgt Ion: 95 Resp: 104692
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY015900.D
Acq: 10 Oct 2023 16:28

Tgt Ion:117 Resp: 246904
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.1 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

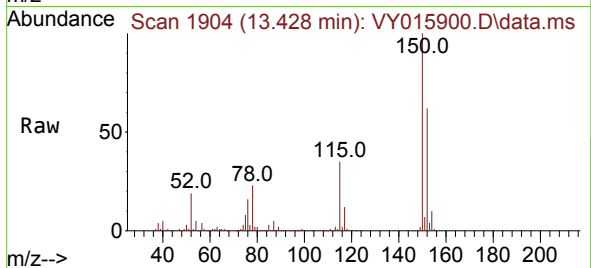
Lab File: VY015900.D

Acq: 10 Oct 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :



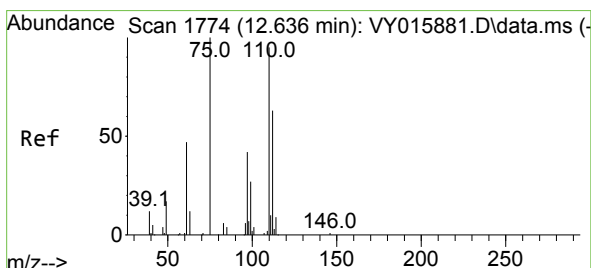
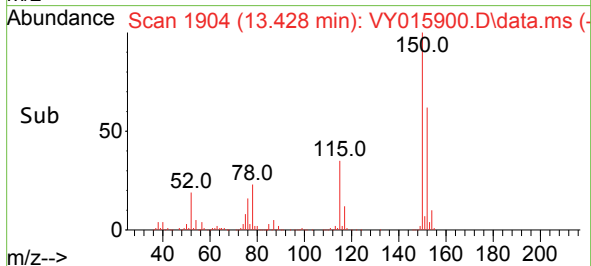
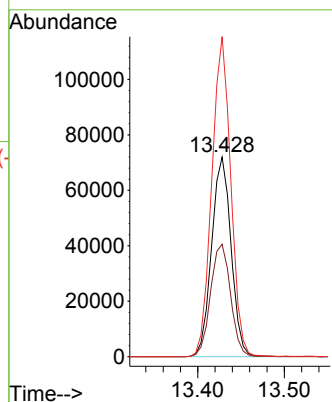
Tgt Ion:152 Resp: 112380

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.320 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015900.D

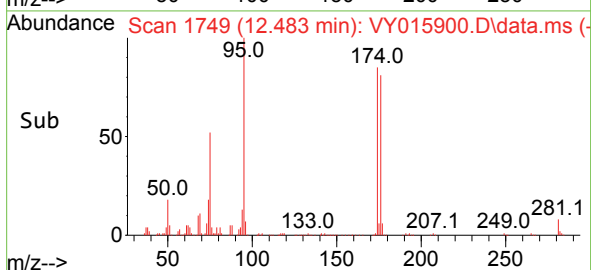
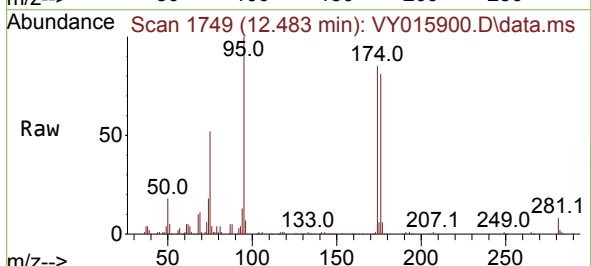
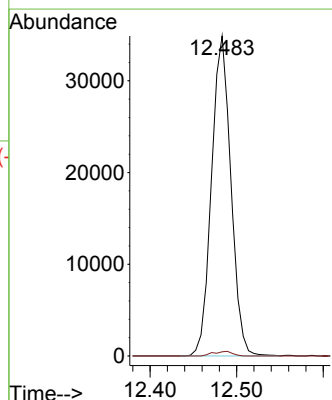
Acq: 10 Oct 2023 16:28

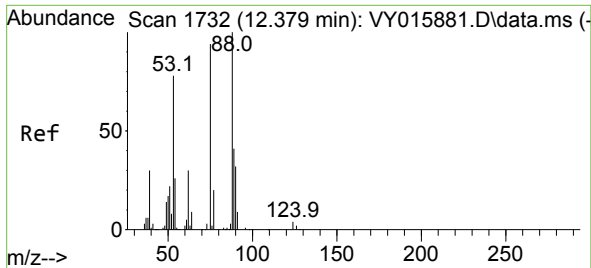
Tgt Ion: 75 Resp: 54208

Ion Ratio Lower Upper

75 100

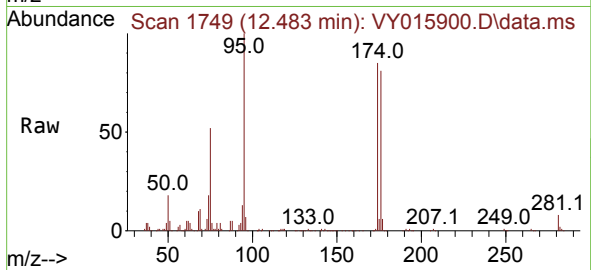
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.628 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015900.D
 Acq: 10 Oct 2023 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 54208
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

