

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015983.D
 Acq On : 16 Oct 2023 14:42
 Operator : SY/MD
 Sample : 04882-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 05:43:10 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	139986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	235582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	216696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108002	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	84584	52.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.880%
35) Dibromofluoromethane	7.722	113	75486	50.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.185	98	276974	49.868	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.483	95	95601	48.339	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.680%

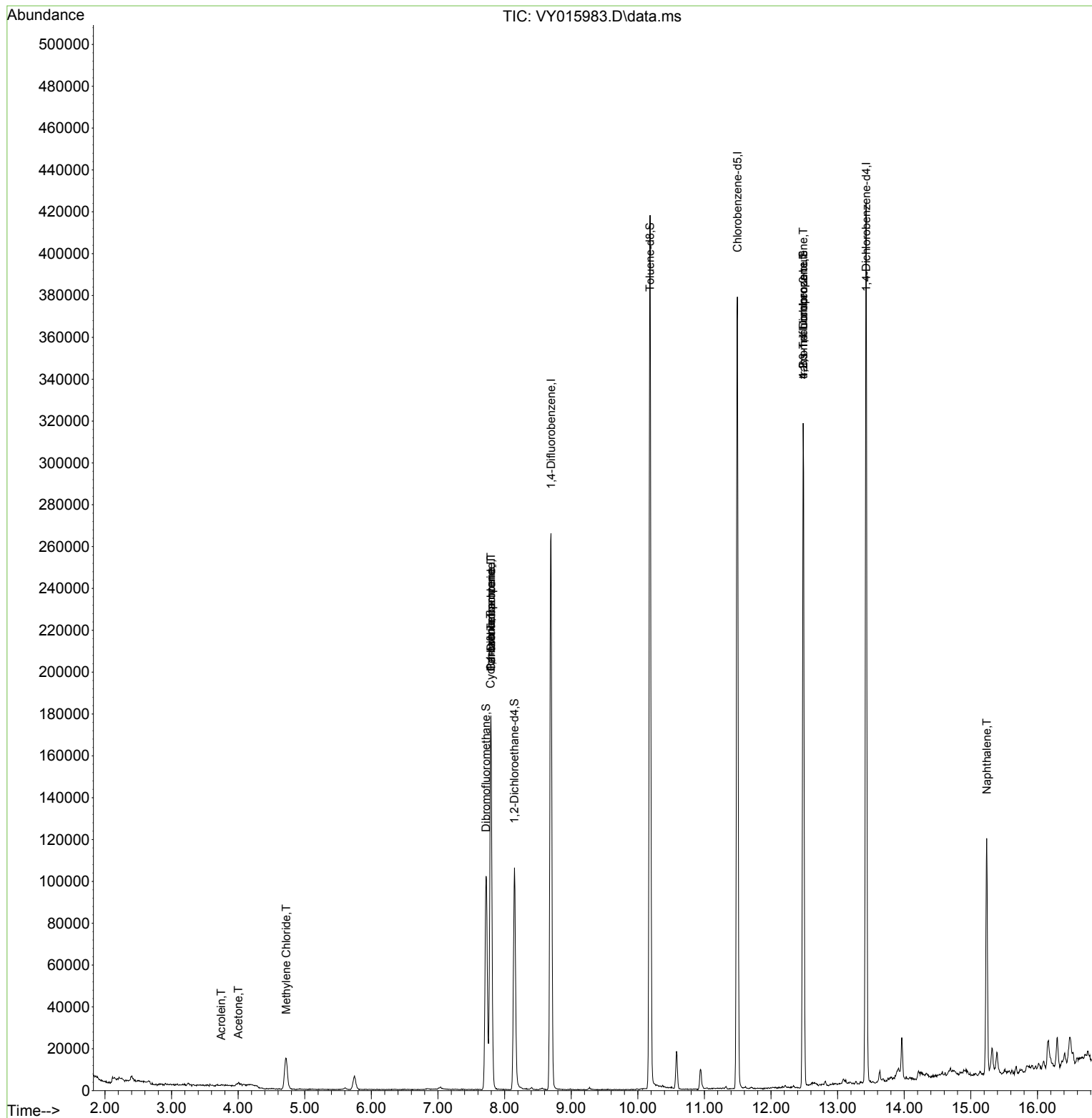
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	913	Below Cal	#	80
13) Acrolein	3.747	56	455	1.508	ug/l #	73
16) Acetone	4.003	43	2605	2.807	ug/l #	75
20) Methylene Chloride	4.722	84	11816	2.743	ug/l	90
31) Cyclohexane	7.789	56	2738	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10174	4.546	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13968	5.927	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	50090	23.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50090	55.827	ug/l #	11
95) Naphthalene	15.239	128	91688	12.434	ug/l	99

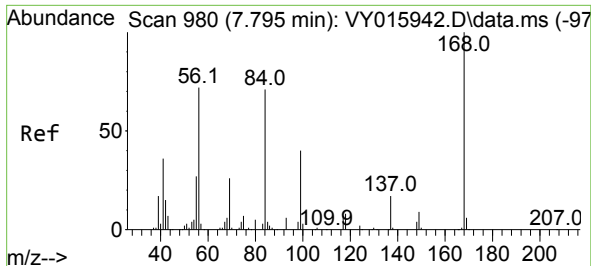
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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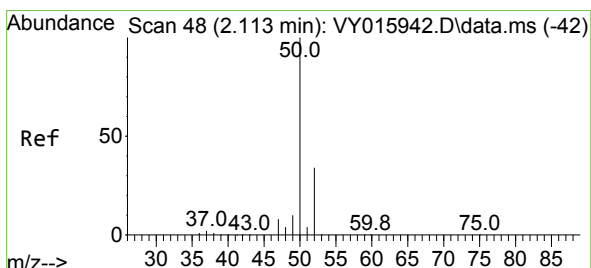
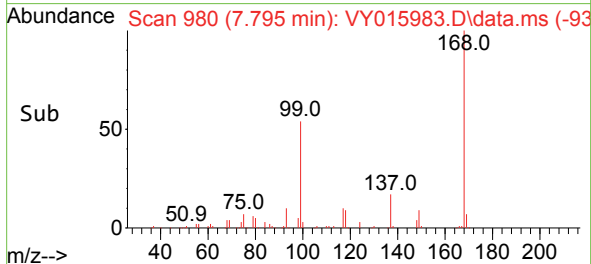
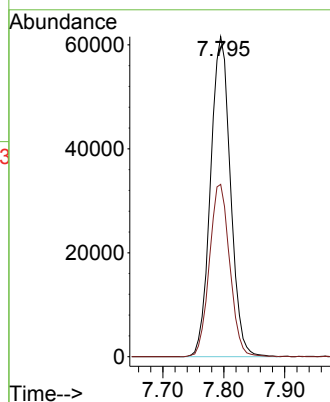
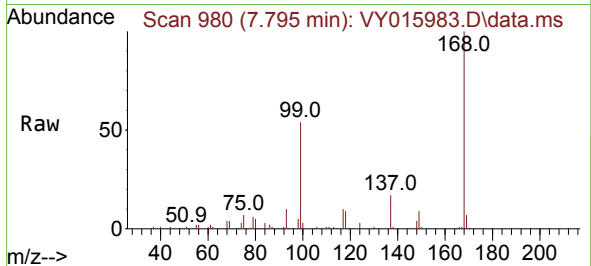




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

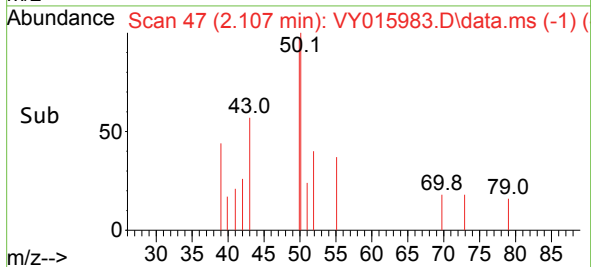
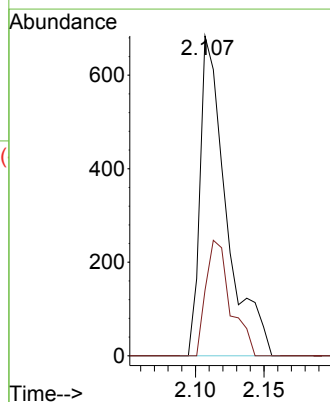
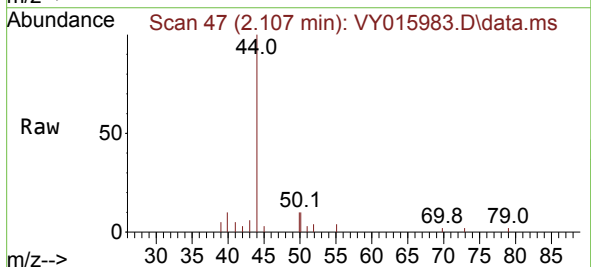
Instrument :
MSVOA_Y
ClientSampleId :

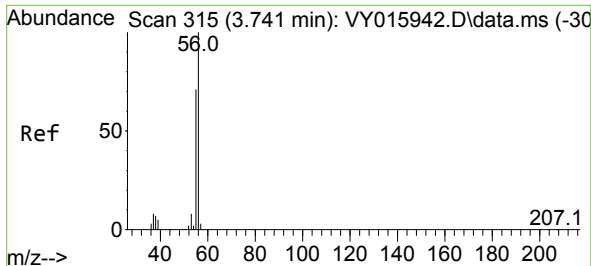
Tgt Ion:168 Resp: 139986
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 20.5 25.4 38.2#

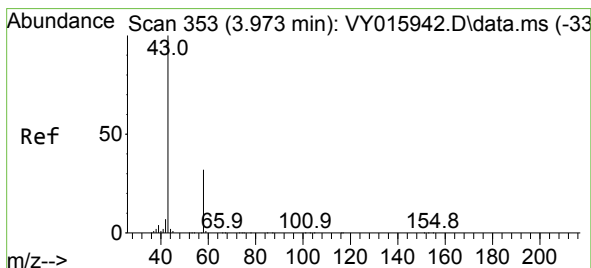
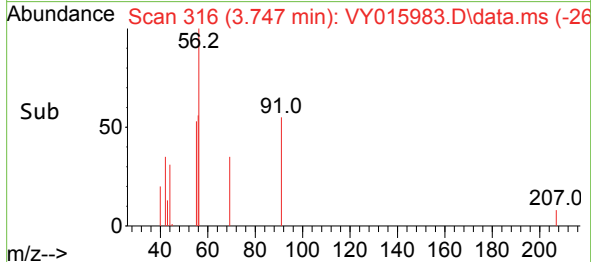
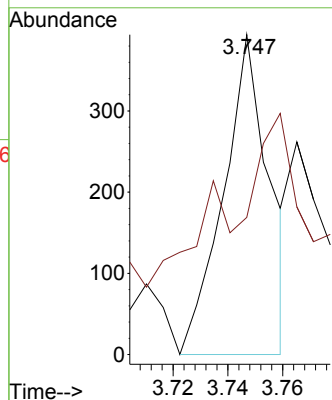
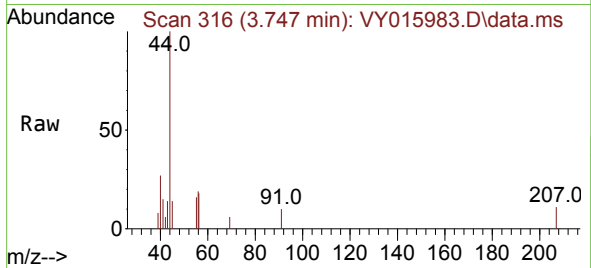




#13
Acrolein
Concen: 1.508 ug/l
RT: 3.747 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

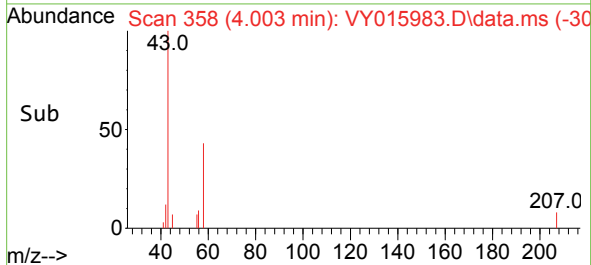
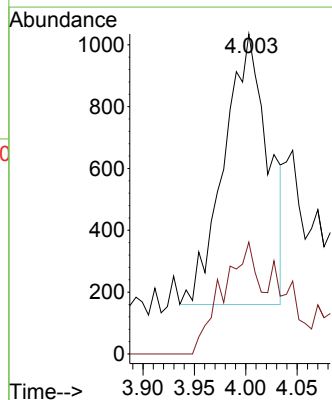
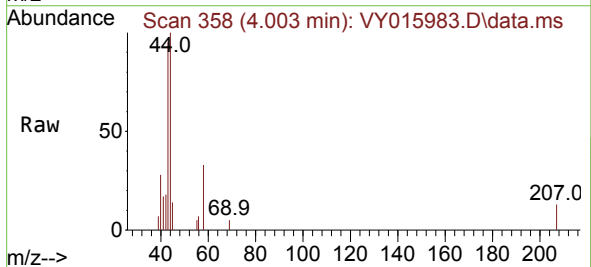
Instrument :
MSVOA_Y
ClientSampleId :

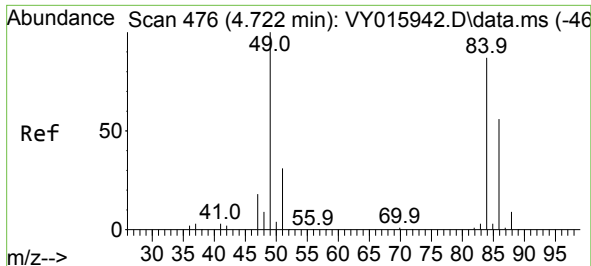
Tgt Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
55 93.4 57.0 85.4#



#16
Acetone
Concen: 2.807 ug/l
RT: 4.003 min Scan# 358
Delta R.T. 0.030 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

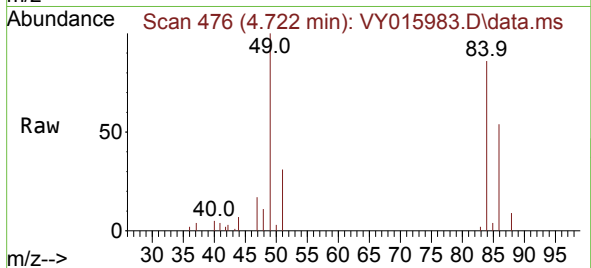
Tgt Ion: 43 Resp: 2605
Ion Ratio Lower Upper
43 100
58 41.4 22.7 34.1#



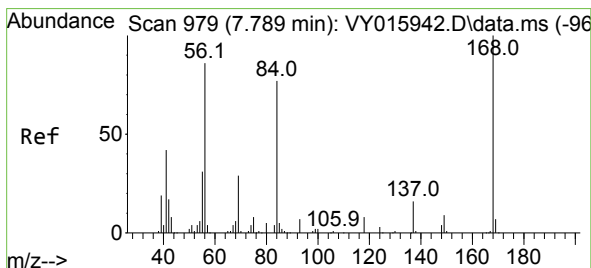
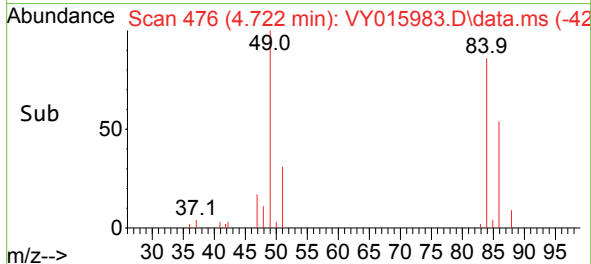
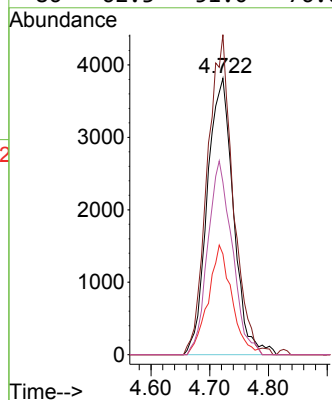


#20
Methylene Chloride
Concen: 2.743 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

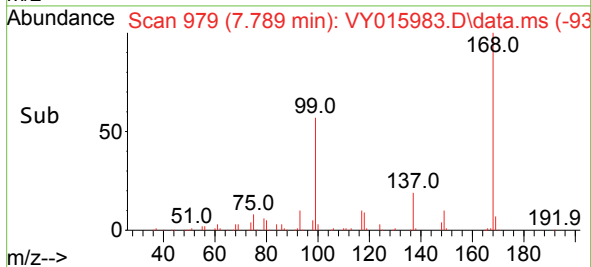
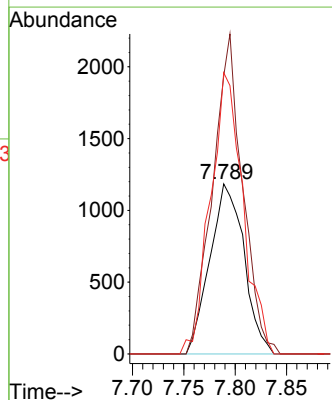
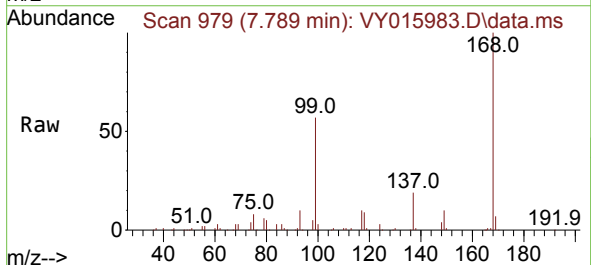


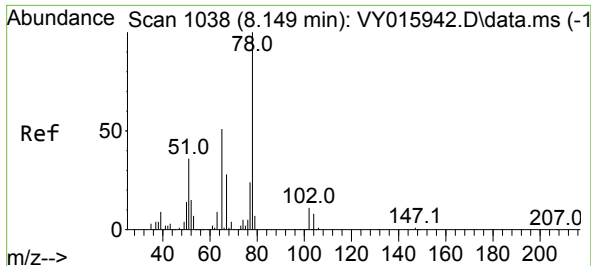
Tgt Ion:	84	Resp:	11816
Ion	Ratio	Lower	Upper
84	100		
49	115.8	106.9	160.3
51	36.4	33.2	49.8
86	62.3	51.0	76.6



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

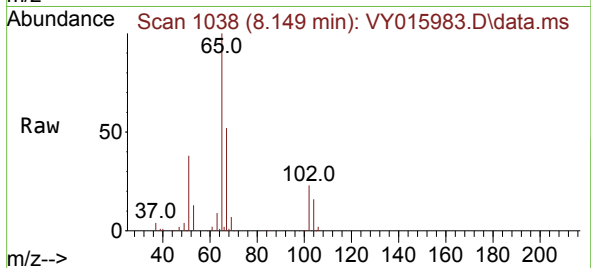
Tgt Ion:	56	Resp:	2738
Ion	Ratio	Lower	Upper
56	100		
69	163.4	27.8	41.6#
84	165.3	66.4	99.6#



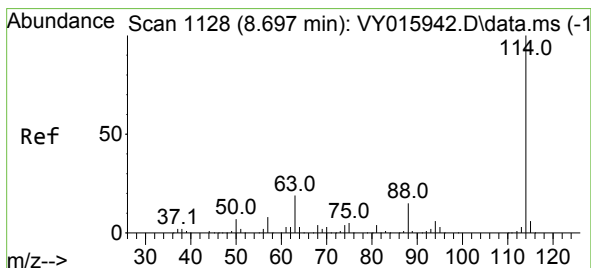
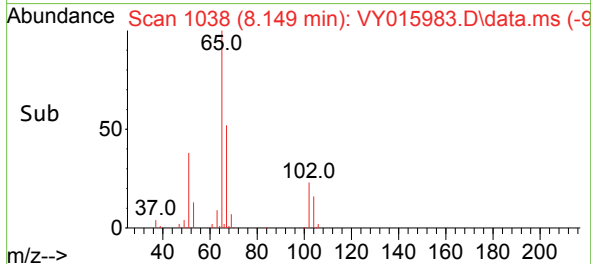
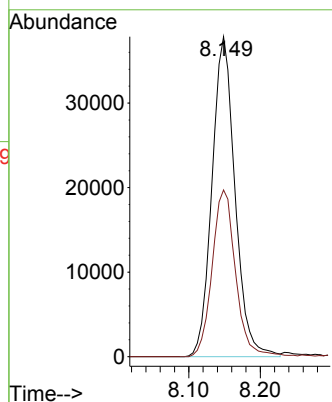


#33
 1,2-Dichloroethane-d4
 Concen: 52.943 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY015983.D
 Acq: 16 Oct 2023 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :

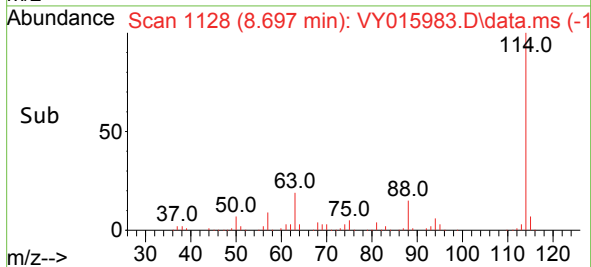
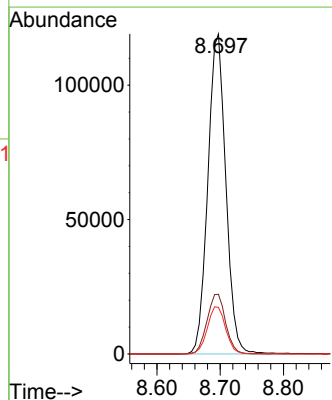
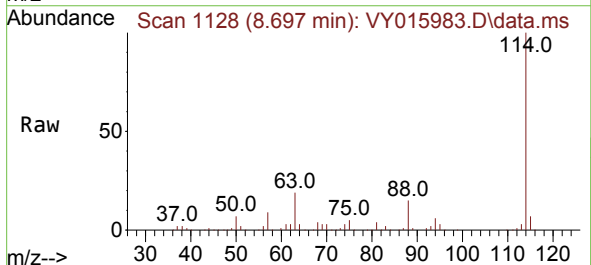


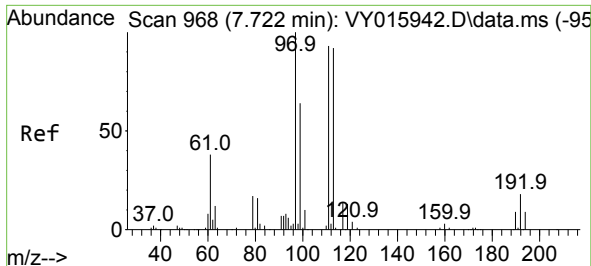
Tgt Ion: 65 Resp: 84584
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY015983.D
 Acq: 16 Oct 2023 14:42

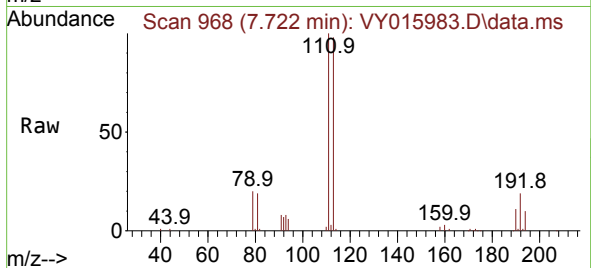
Tgt Ion: 114 Resp: 235582
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.4
 88 14.5 0.0 30.6



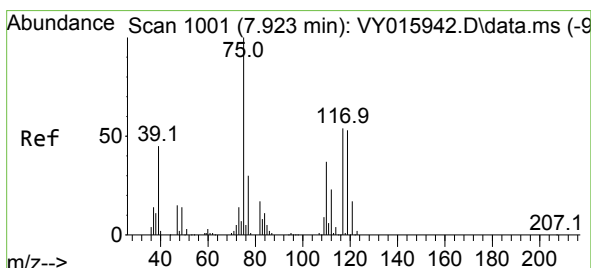
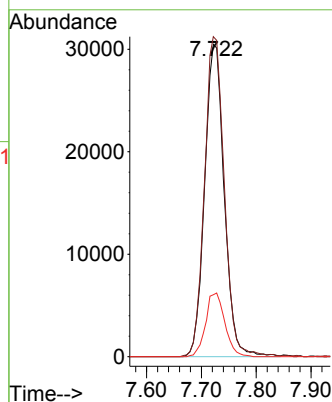
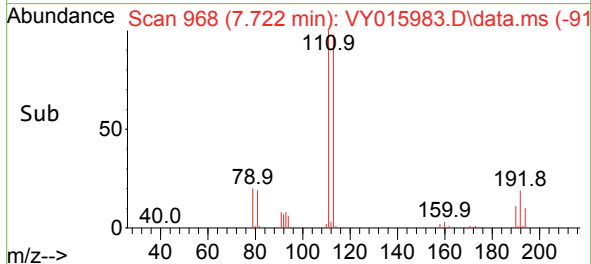


#35
Dibromofluoromethane
Concen: 50.897 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

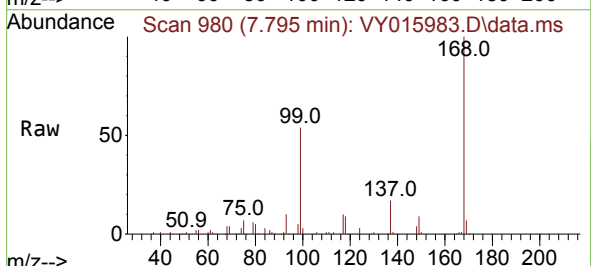
Instrument :
MSVOA_Y
ClientSampleId :



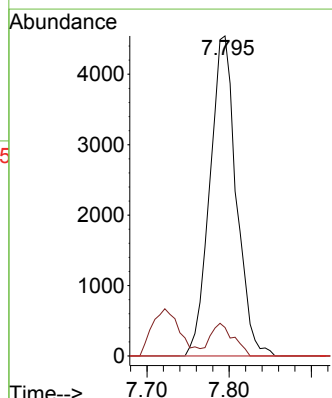
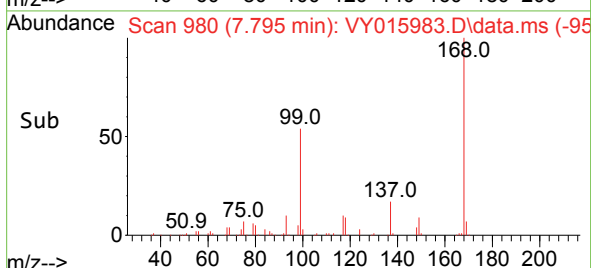
Tgt Ion:113 Resp: 75486
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 20.0 16.9 25.3

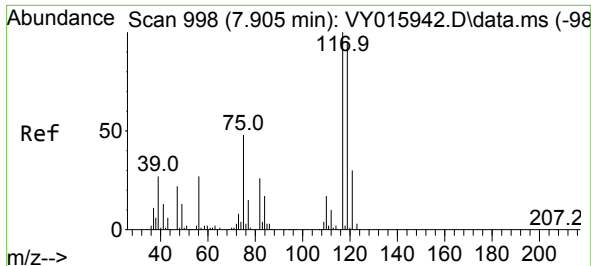


#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42



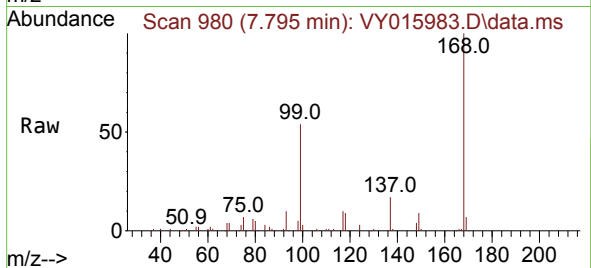
Tgt Ion: 75 Resp: 10174
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



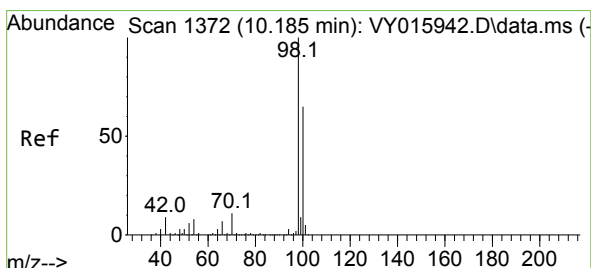
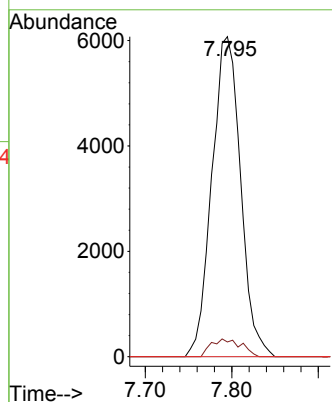
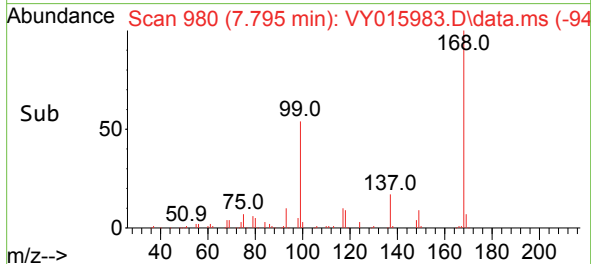


#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

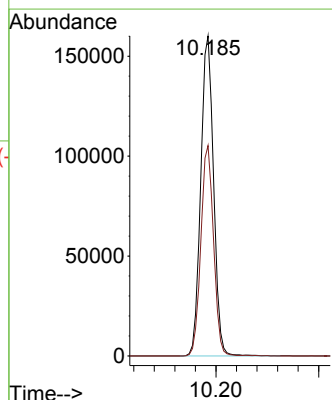
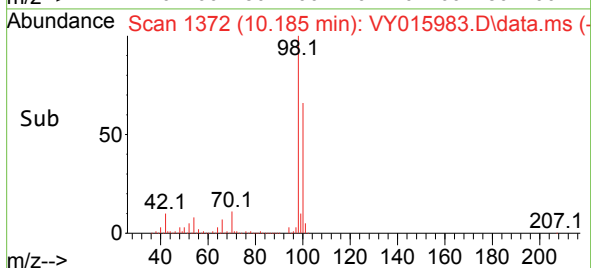
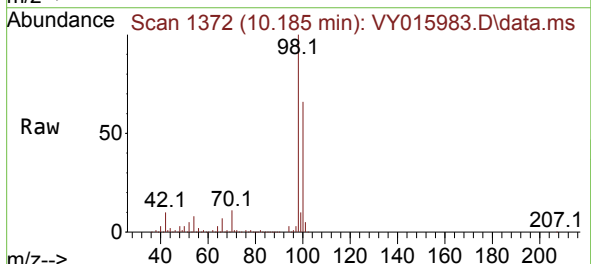


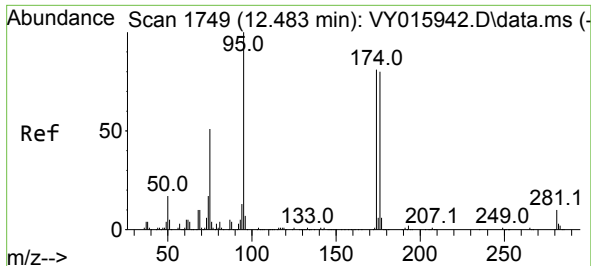
Tgt Ion:117 Resp: 13968
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.868 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

Tgt Ion: 98 Resp: 276974
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

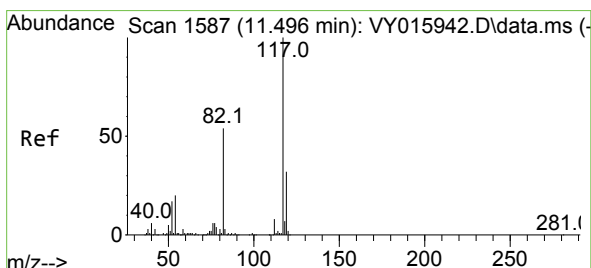
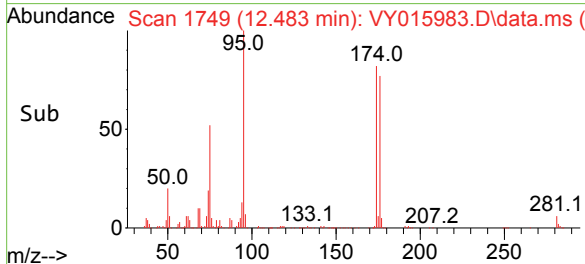
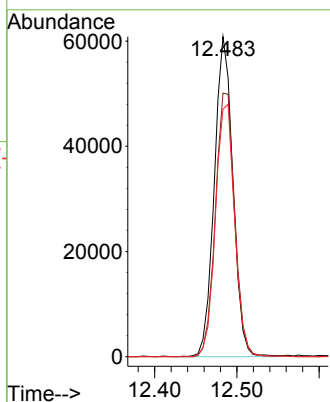
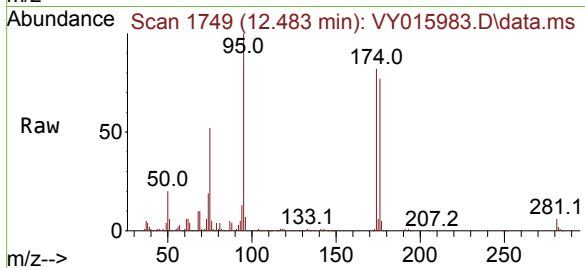




#62
4-Bromofluorobenzene
Concen: 48.339 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

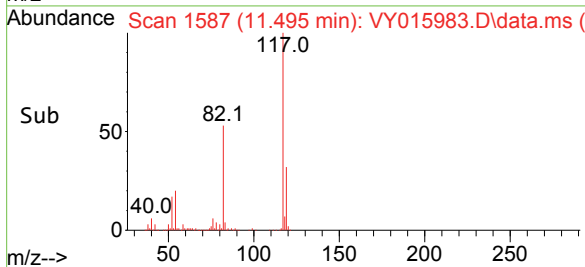
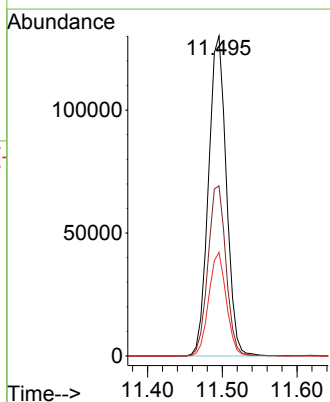
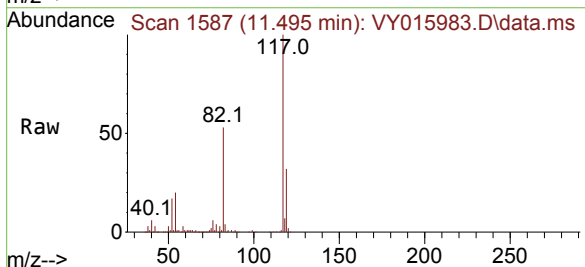
Instrument :
MSVOA_Y
ClientSampleId :

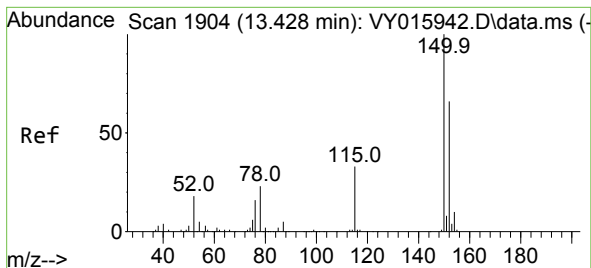
Tgt Ion: 95 Resp: 95601
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

Tgt Ion: 117 Resp: 216696
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.4 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: VY015983.D

Acq: 16 Oct 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

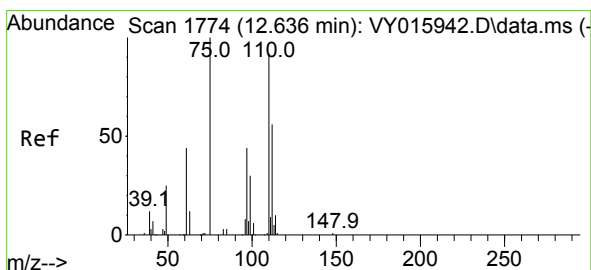
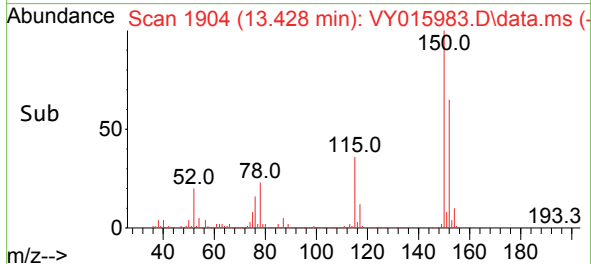
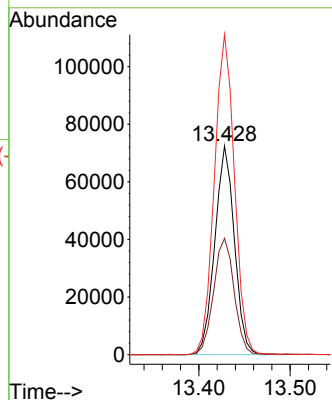
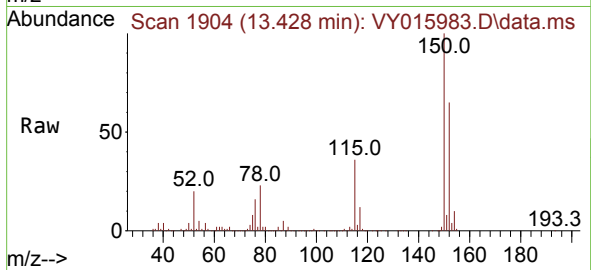
Tgt Ion:152 Resp: 108002

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 157.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 23.699 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015983.D

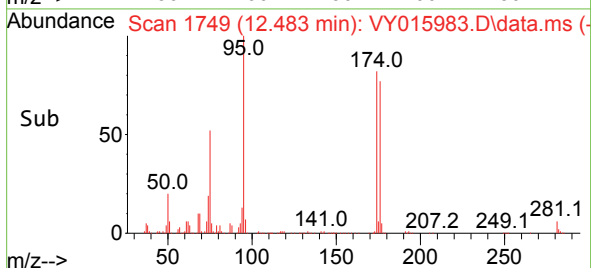
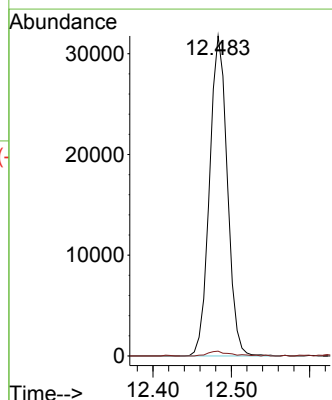
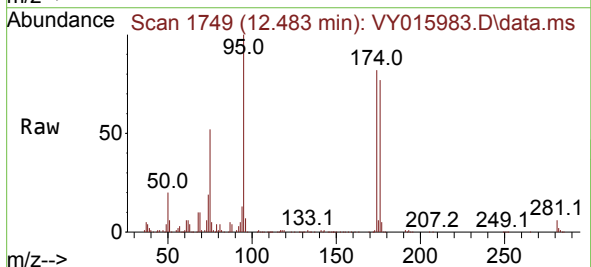
Acq: 16 Oct 2023 14:42

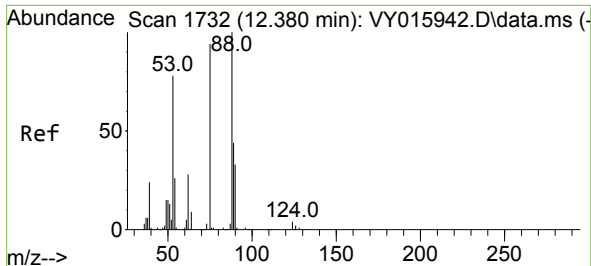
Tgt Ion: 75 Resp: 50090

Ion Ratio Lower Upper

75 100

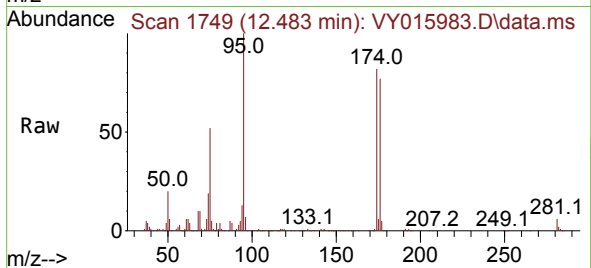
77 1.9 0.0 0.0#



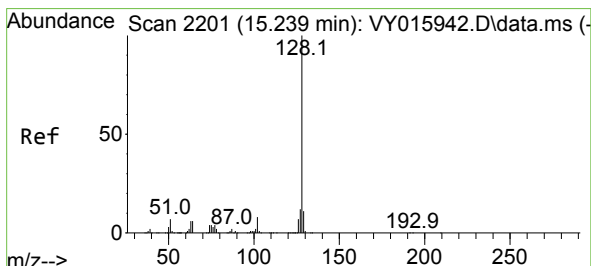
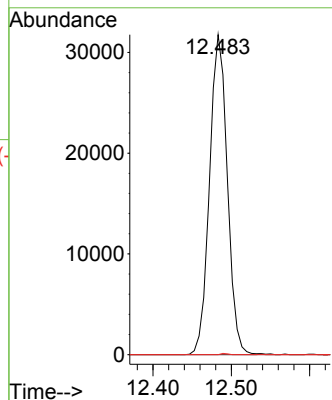
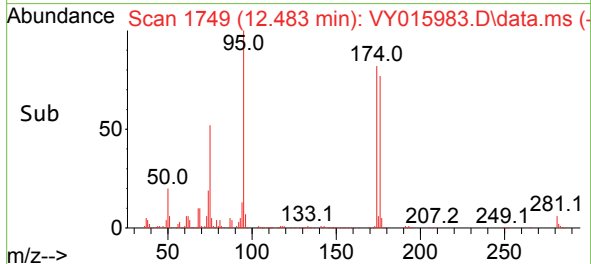


#81
trans-1,4-Dichloro-2-butene
Concen: 55.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42

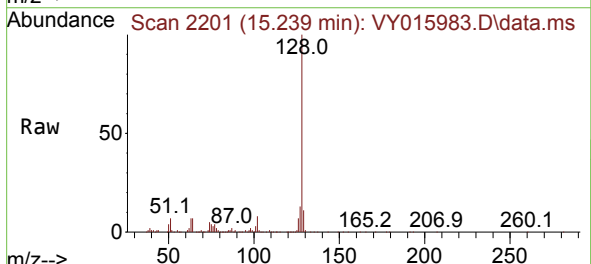
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 50090
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 12.434 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY015983.D
Acq: 16 Oct 2023 14:42



Tgt Ion: 128 Resp: 91688
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.3 8.6 13.0

