

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083022\
 Data File : VY010230.D
 Acq On : 30 Aug 2022 20:11
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY083022

Quant Time: Aug 31 02:27:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

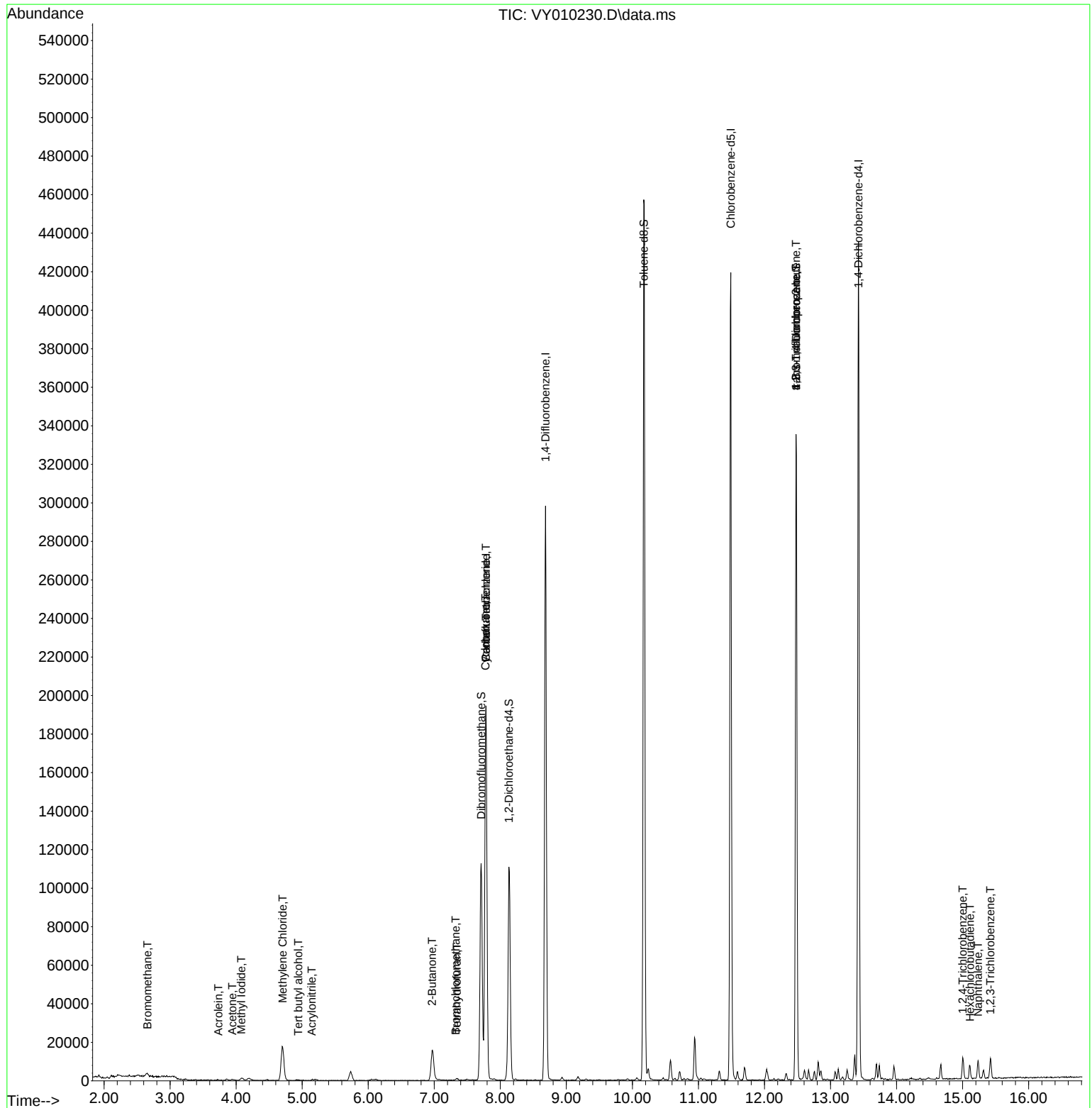
Internal Standards						
1) Pentafluorobenzene	7.783	168	162516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	259338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	240250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	84228	61.510	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.020%	
35) Dibromofluoromethane	7.710	113	82395	55.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.400%	
50) Toluene-d8	10.173	98	314351	56.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.980%	
62) 4-Bromofluorobenzene	12.477	95	104590	50.619	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	1148	1.044	ug/l #	76
10) Methyl Iodide	4.076	142	2301	2.547	ug/l #	85
11) Tert butyl alcohol	4.942	59	413	3.017	ug/l #	77
13) Acrolein	3.729	56	361	2.011	ug/l #	75
15) Acrylonitrile	5.143	53	581	1.537	ug/l #	84
16) Acetone	3.942	43	941	3.271	ug/l #	77
20) Methylene Chloride	4.704	84	14488	8.552	ug/l #	82
25) 2-Butanone	6.966	43	1108	2.236	ug/l #	54
28) Bromochloromethane	7.326	49	103	2.140	ug/l #	15
29) Tetrahydrofuran	7.344	42	512	1.565	ug/l	91
31) Cyclohexane	7.777	56	2962	1.212	ug/l #	1
38) Carbon Tetrachloride	7.783	117	14282	5.503	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.789	63	216	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.477	75	49924	43.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49924	91.021	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	3864	1.639	ug/l	99
94) Hexachlorobutadiene	15.111	225	1420	1.017	ug/l	93
95) Naphthalene	15.233	128	8518	1.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	3651	1.745	ug/l	99

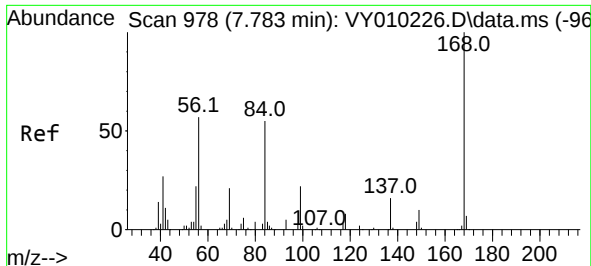
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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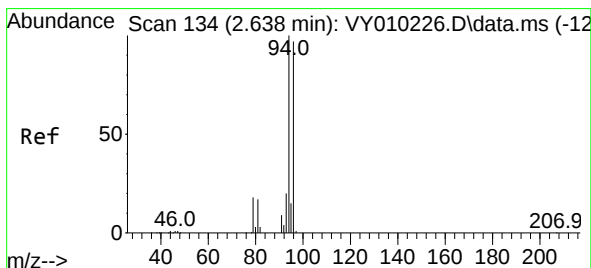
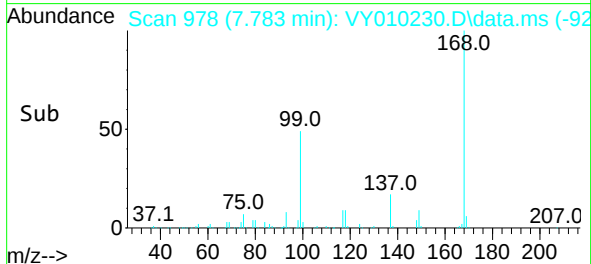
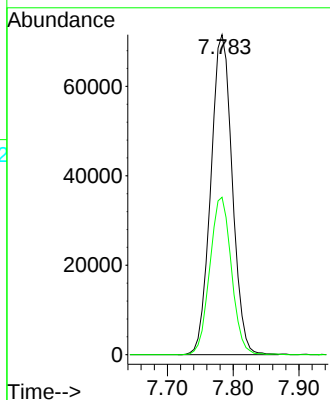
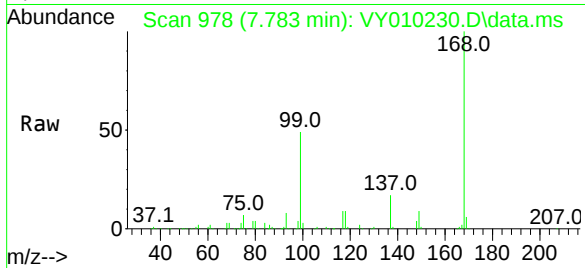




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

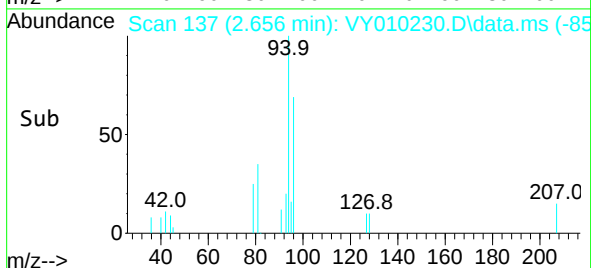
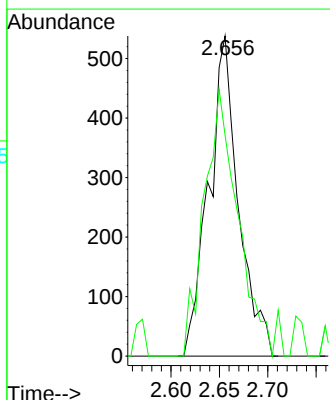
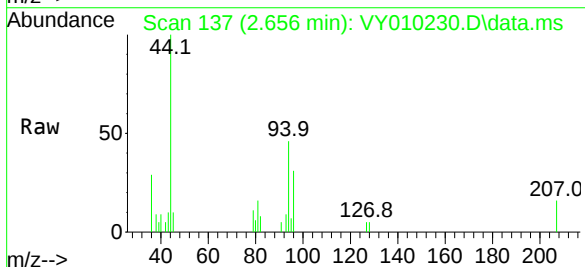
Instrument :
MSVOA_Y
ClientSampleId :
ICVY083022

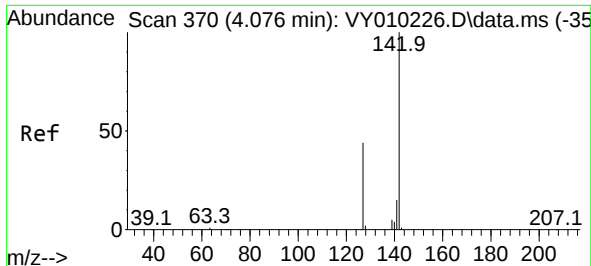
Tgt Ion:168 Resp: 162516
Ion Ratio Lower Upper
168 100
99 49.2 46.9 70.3



#5
Bromomethane
Concen: 1.044 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

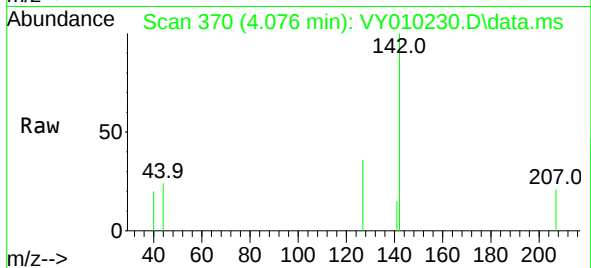
Tgt Ion: 94 Resp: 1148
Ion Ratio Lower Upper
94 100
96 69.0 73.5 110.3#



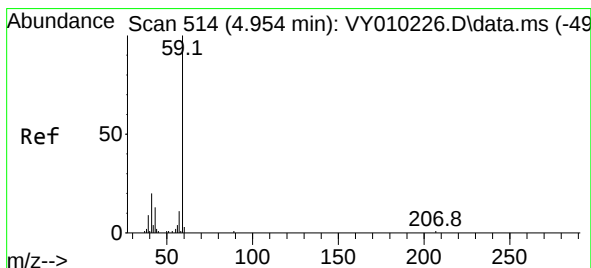
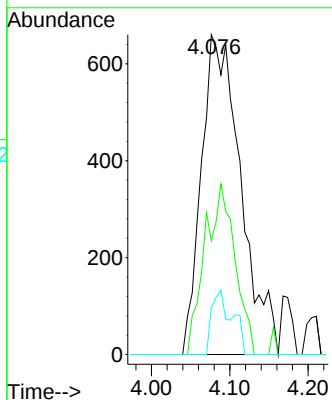
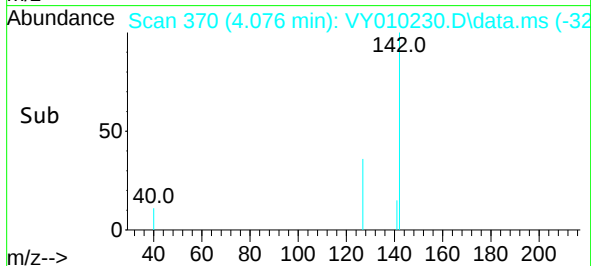


#10
Methyl Iodide
Concen: 2.547 ug/l
RT: 4.076 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Instrument :
MSVOA_Y
ClientSampleId :
ICVY083022

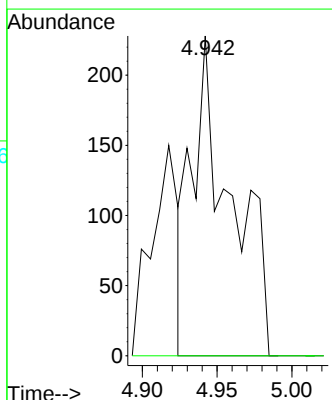
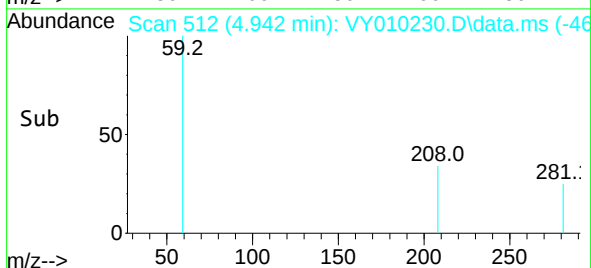
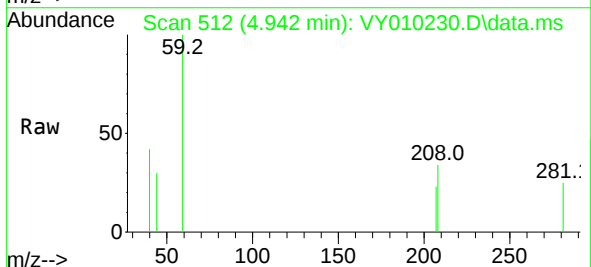


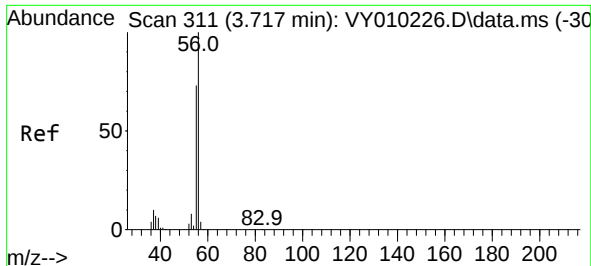
Tgt Ion:142 Resp: 2301
Ion Ratio Lower Upper
142 100
127 40.9 41.5 62.3#
141 10.4 11.9 17.9#



#11
Tert butyl alcohol
Concen: 3.017 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#13

Acrolein

Concen: 2.011 ug/l

RT: 3.729 min Scan# 311

Delta R.T. 0.012 min

Lab File: VY010230.D

Acq: 30 Aug 2022 20:11

Instrument :

MSVOA_Y

ClientSampleId :

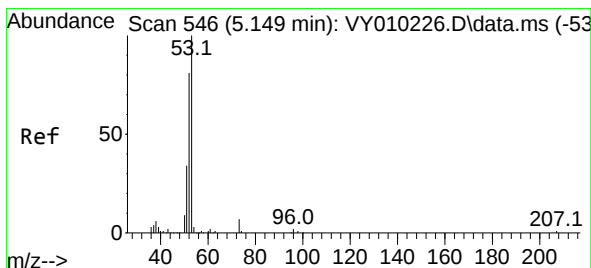
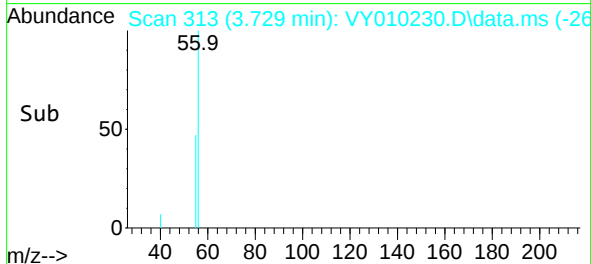
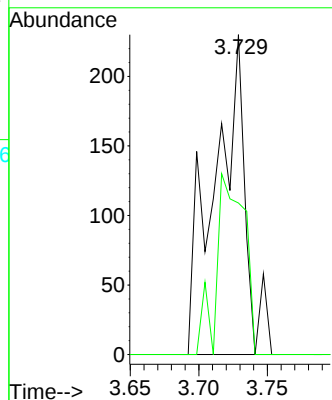
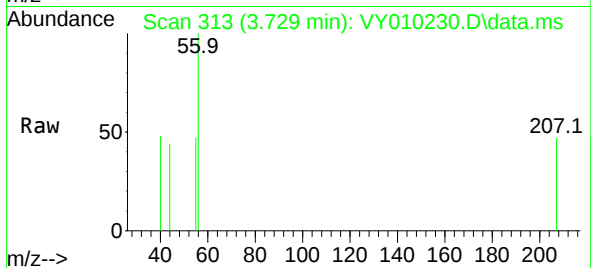
ICVVY083022

Tgt Ion: 56 Resp: 361

Ion Ratio Lower Upper

56 100

55 51.2 57.6 86.4#



#15

Acrylonitrile

Concen: 1.537 ug/l

RT: 5.143 min Scan# 545

Delta R.T. -0.006 min

Lab File: VY010230.D

Acq: 30 Aug 2022 20:11

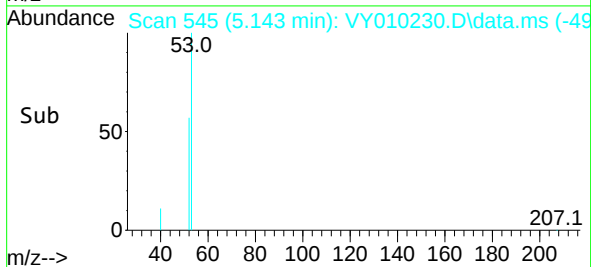
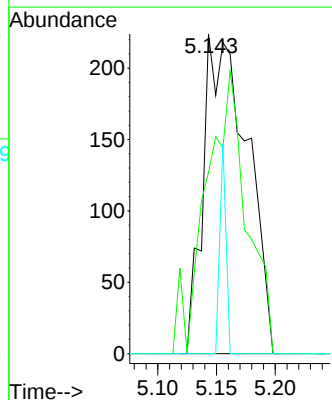
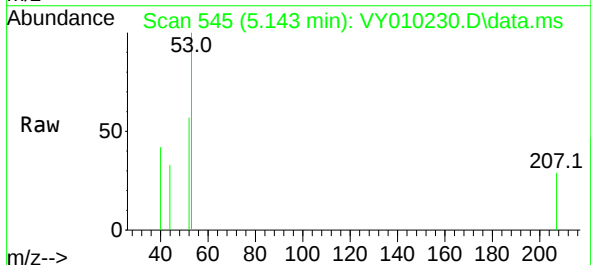
Tgt Ion: 53 Resp: 581

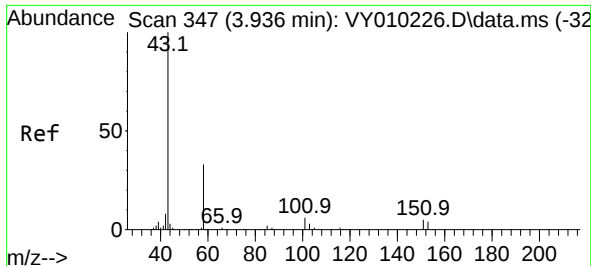
Ion Ratio Lower Upper

53 100

52 81.9 67.0 100.4

51 9.3 29.8 44.6#

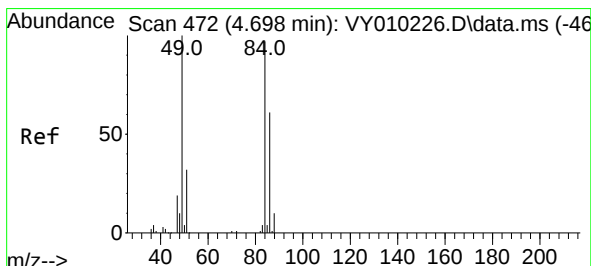
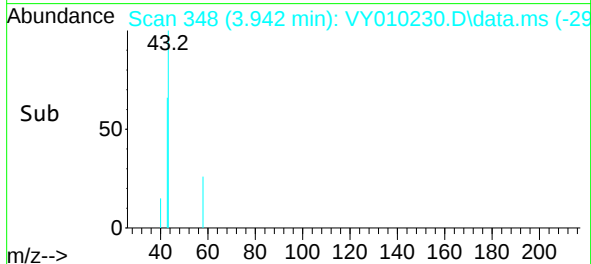
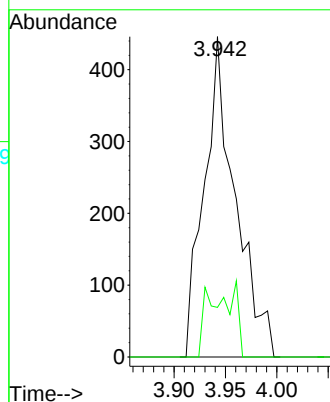
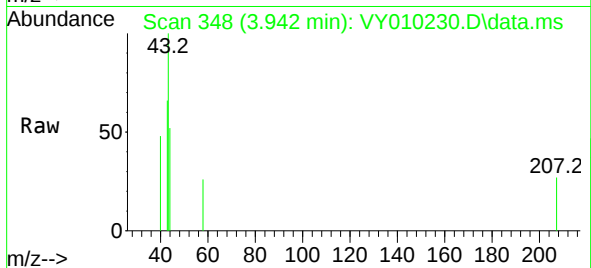




#16
Acetone
Concen: 3.271 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

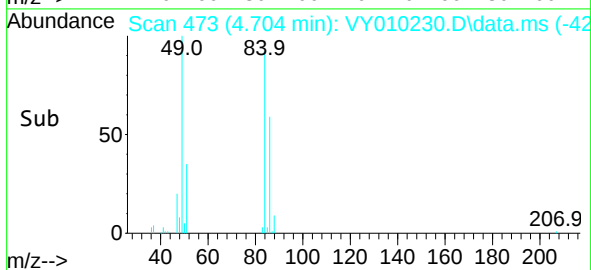
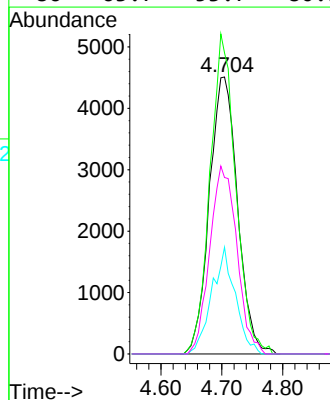
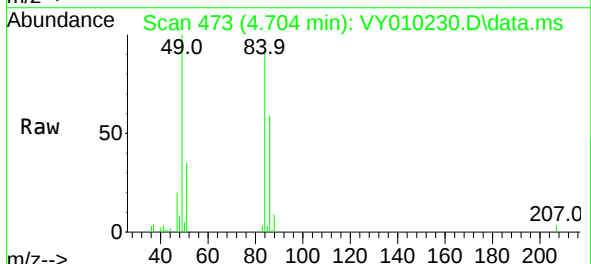
Instrument :
MSVOA_Y
ClientSampleId :
ICVY083022

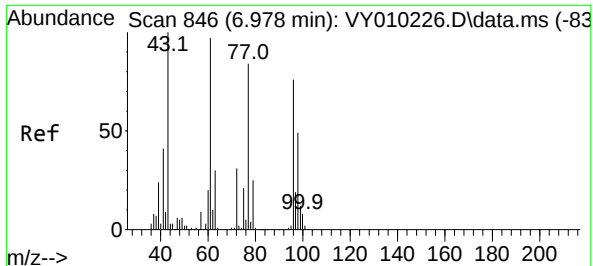
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 15.5 22.0 33.0#



#20
Methylene Chloride
Concen: 8.552 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 84 Resp: 14488
Ion Ratio Lower Upper
84 100
49 108.7 114.4 171.6#
51 38.6 35.3 52.9
86 63.7 53.7 80.5

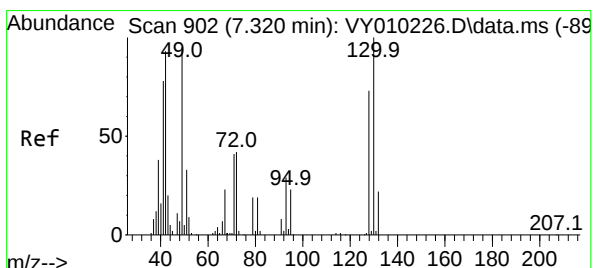
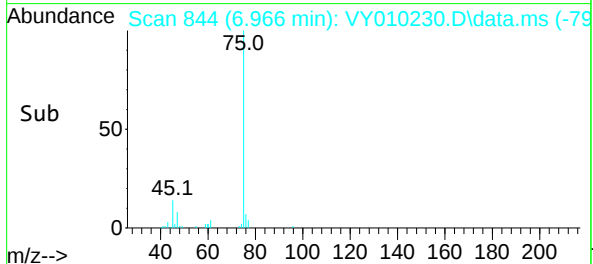
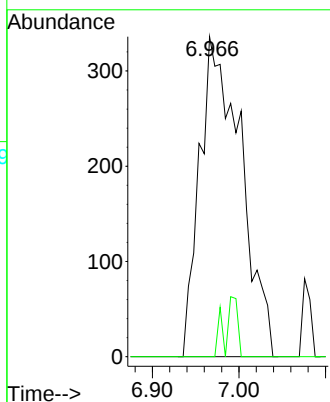
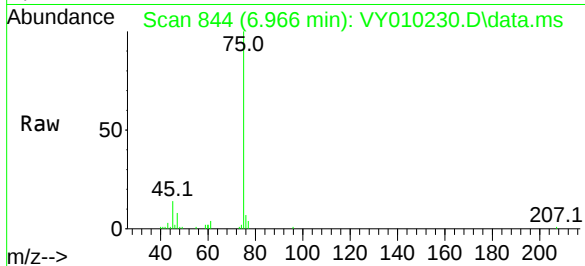




#25
2-Butanone
Concen: 2.236 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

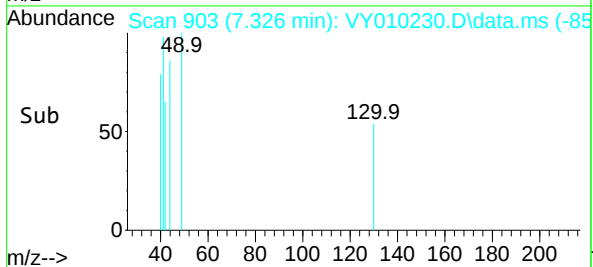
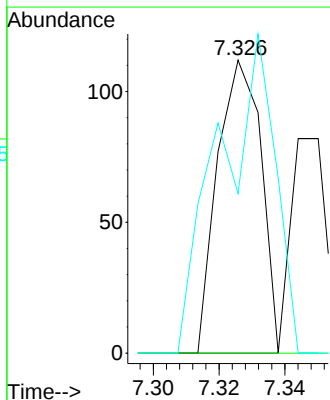
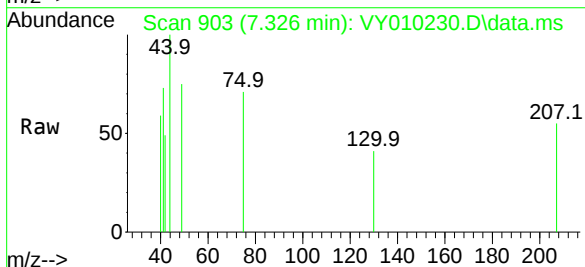
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

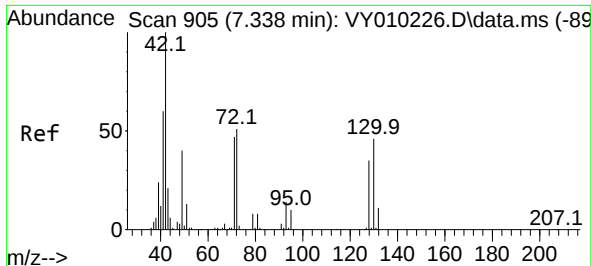
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#28
Bromochloromethane
Concen: 2.140 ug/l
RT: 7.326 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 49 Resp: 103
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 139.8 55.4 83.0#





#29

Tetrahydrofuran

Concen: 1.565 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010230.D

Acq: 30 Aug 2022 20:11

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY083022

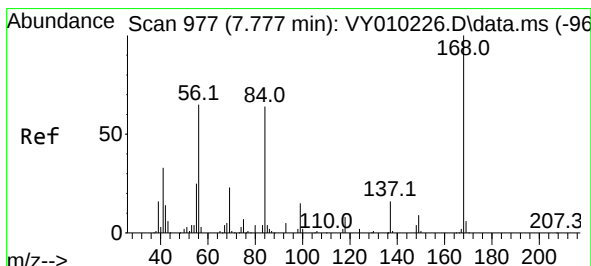
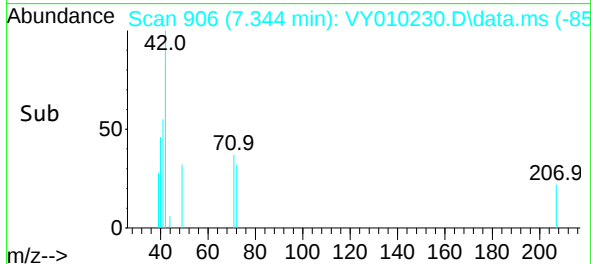
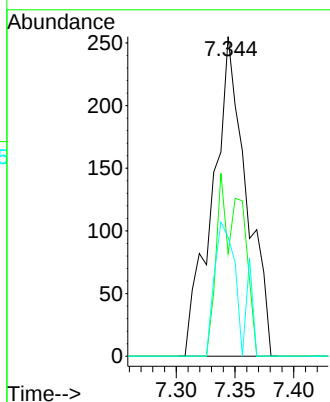
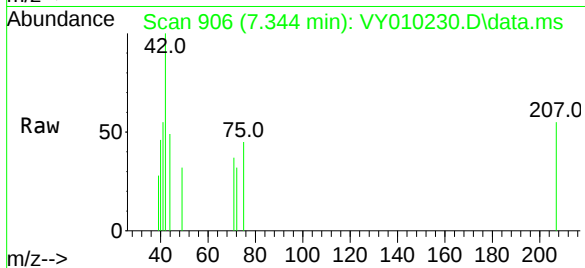
Tgt Ion: 42 Resp: 512

Ion Ratio Lower Upper

42 100

72 42.2 30.3 45.5

71 29.9 29.0 43.4



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.777 min Scan# 977

Delta R.T. 0.000 min

Lab File: VY010230.D

Acq: 30 Aug 2022 20:11

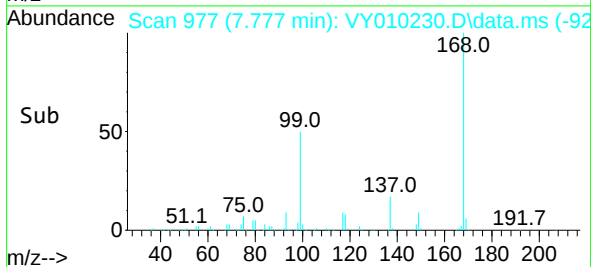
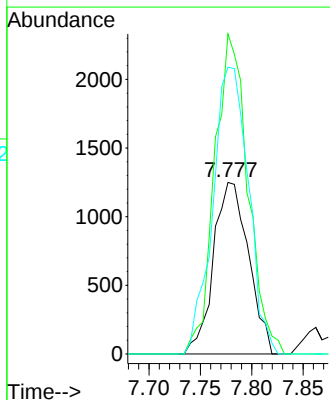
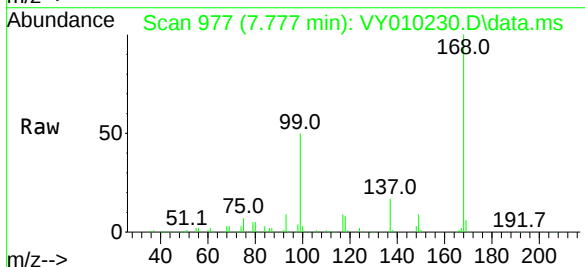
Tgt Ion: 56 Resp: 2962

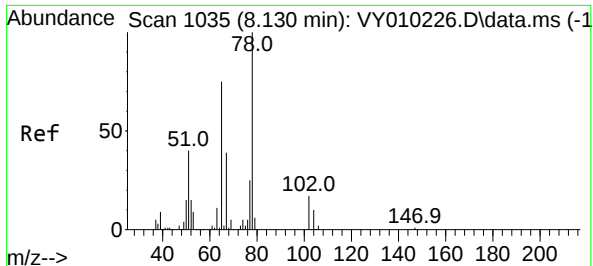
Ion Ratio Lower Upper

56 100

69 186.5 26.7 40.1#

84 167.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.510 ug/l

RT: 8.130 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010230.D

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ClientSampleId :

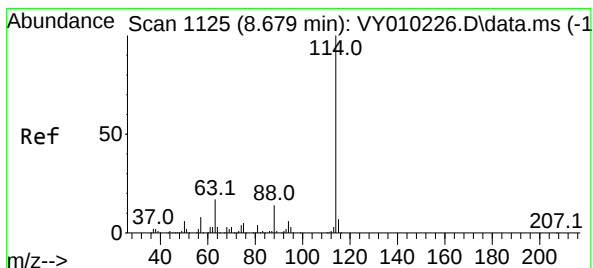
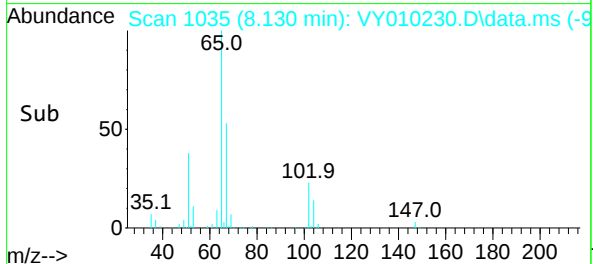
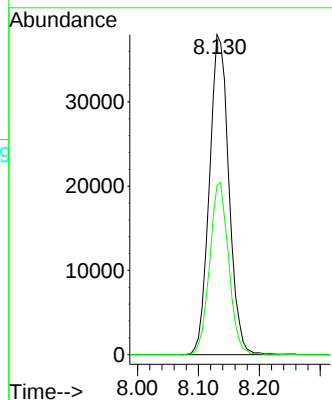
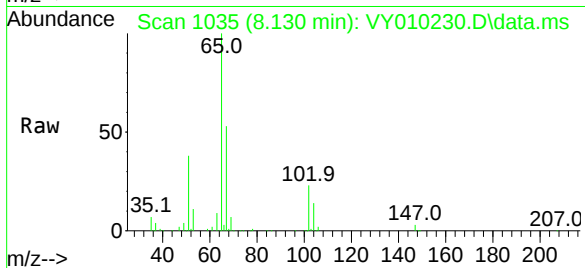
ICVY083022

Tgt Ion: 65 Resp: 84228

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010230.D

Acq: 30 Aug 2022 20:11

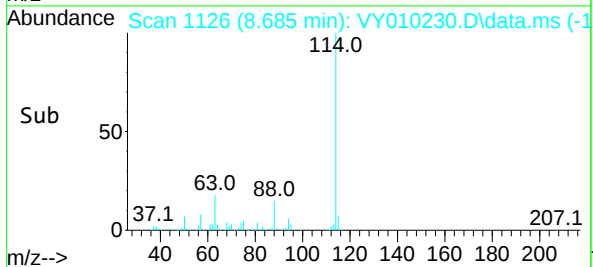
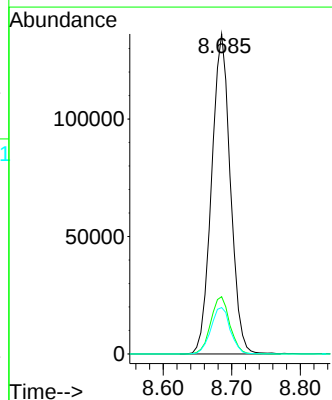
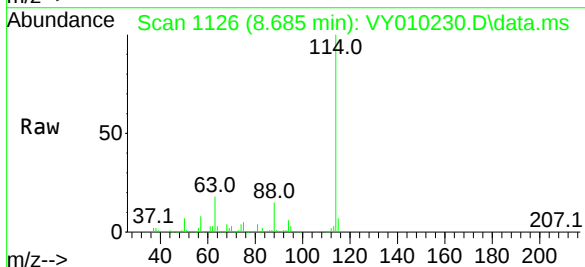
Tgt Ion: 114 Resp: 259338

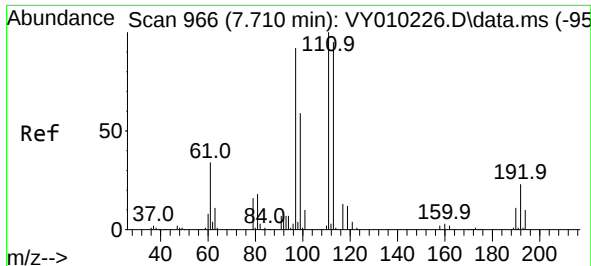
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 14.5 0.0 31.8

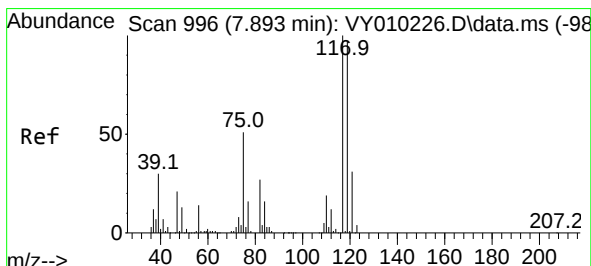
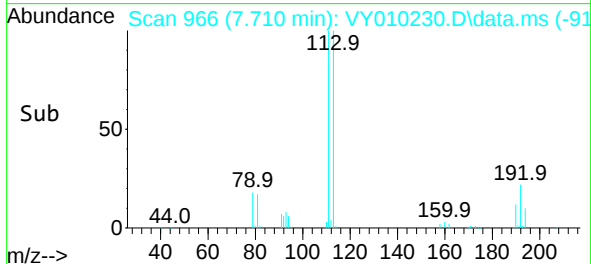
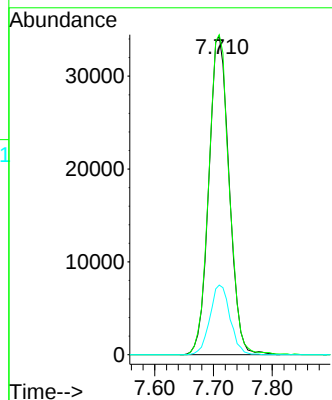
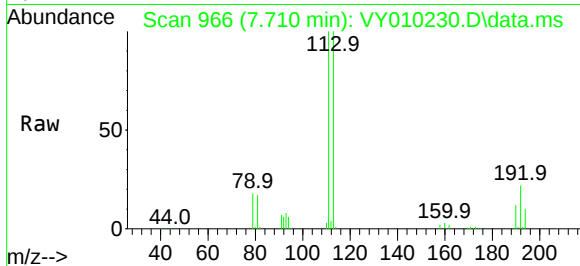




#35
Dibromofluoromethane
Concen: 55.200 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

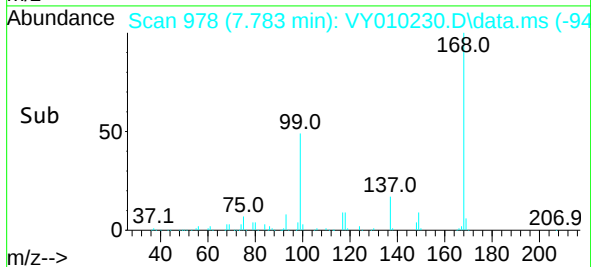
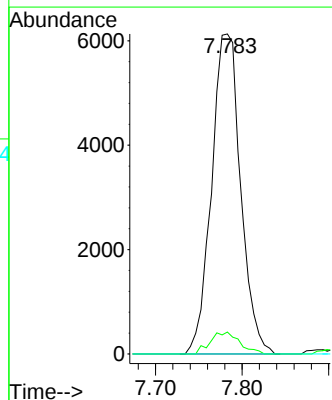
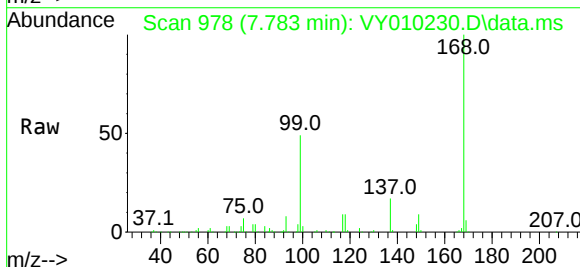
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

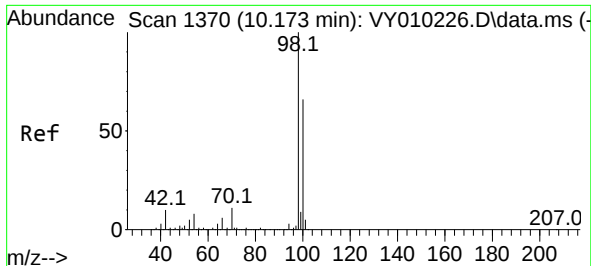
Tgt Ion:113 Resp: 82395
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 21.7 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.503 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion:117 Resp: 14282
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#

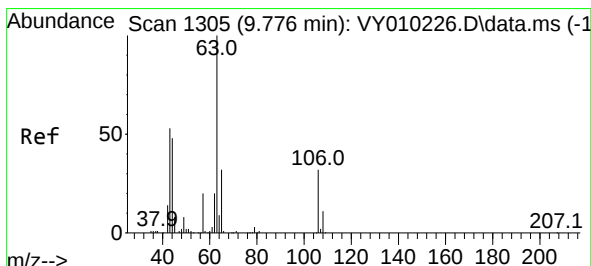
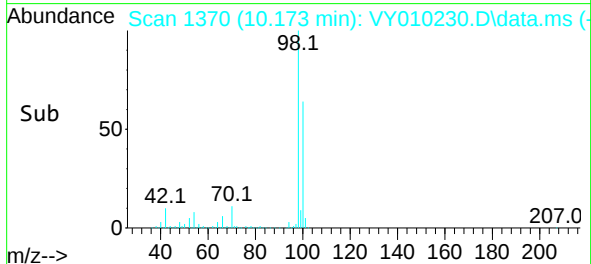
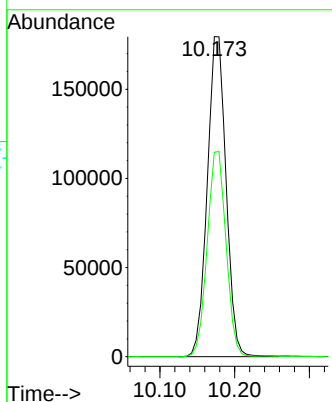
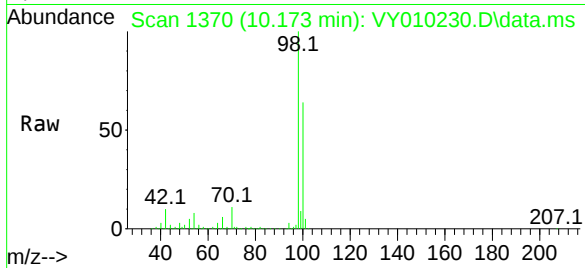




#50
Toluene-d8
Concen: 56.494 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

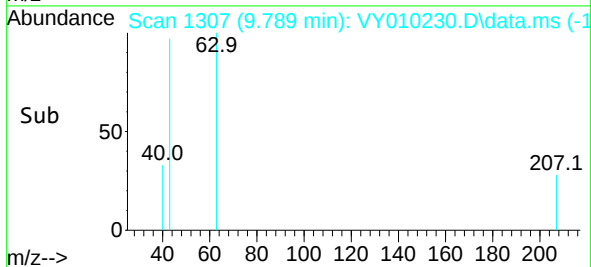
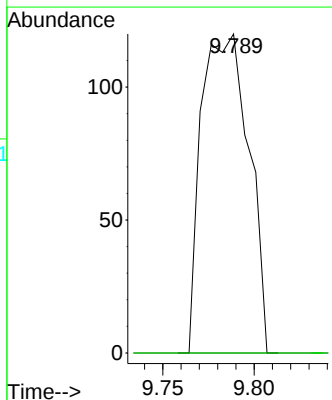
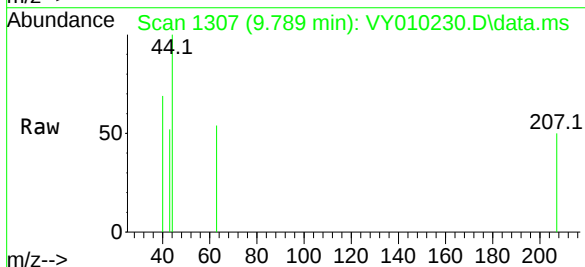
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

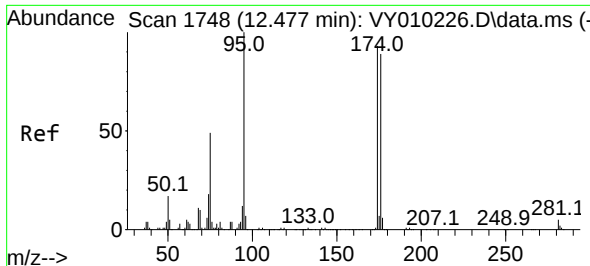
Tgt Ion: 98 Resp: 314351
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.789 min Scan# 1307
Delta R.T. 0.013 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 63 Resp: 216
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

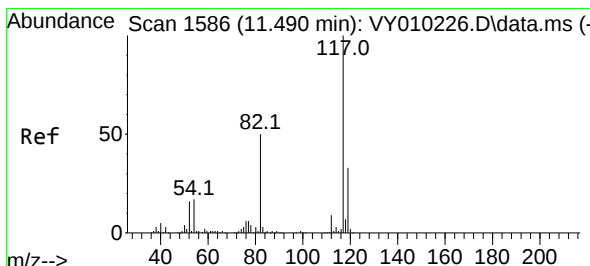
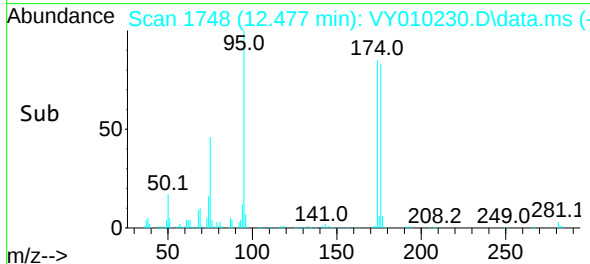
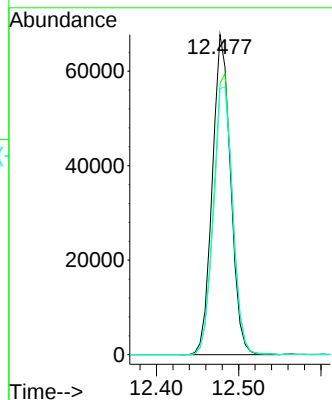
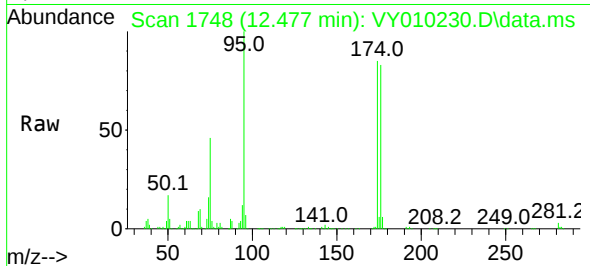




#62
4-Bromofluorobenzene
Concen: 50.619 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

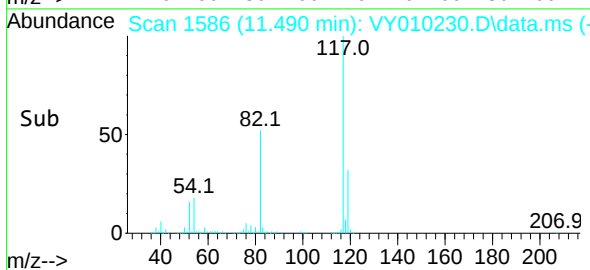
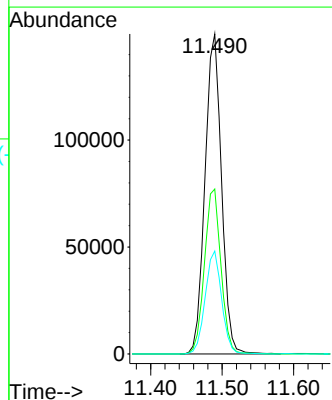
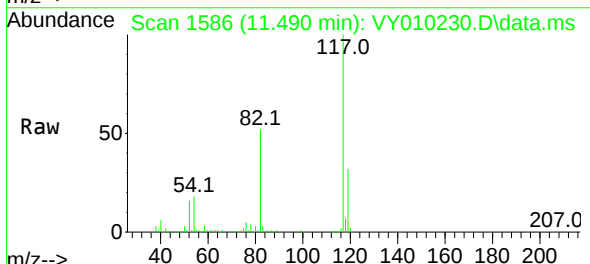
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

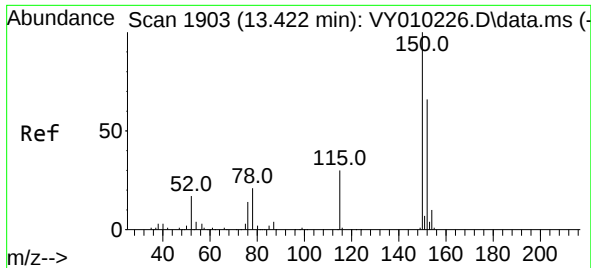
Tgt Ion: 95 Resp: 104590
Ion Ratio Lower Upper
95 100
174 90.9 0.0 177.0
176 87.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 117 Resp: 240250
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 32.1 25.4 38.0

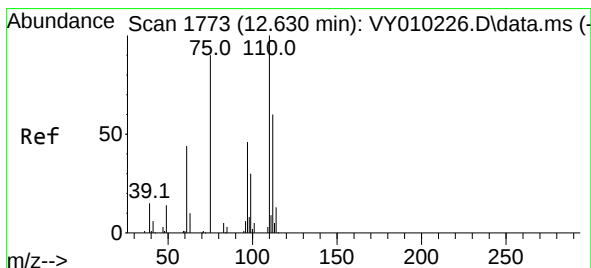
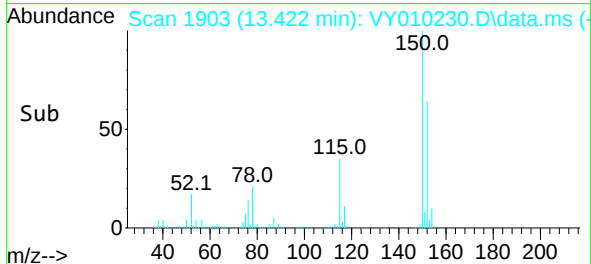
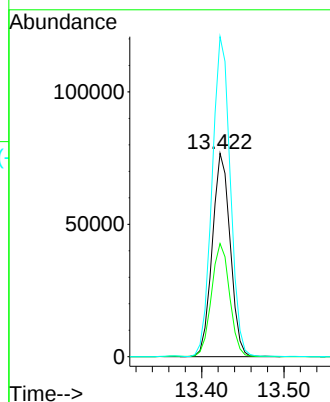
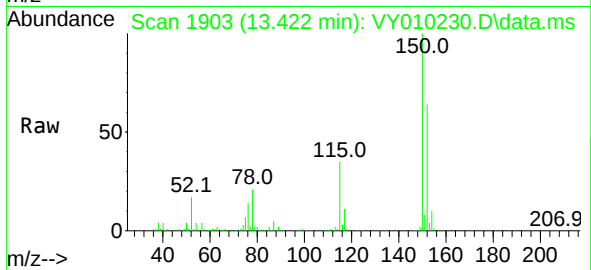




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010230.D
 Acq: 30 Aug 2022 20:11

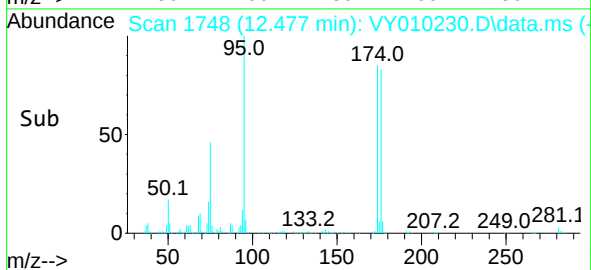
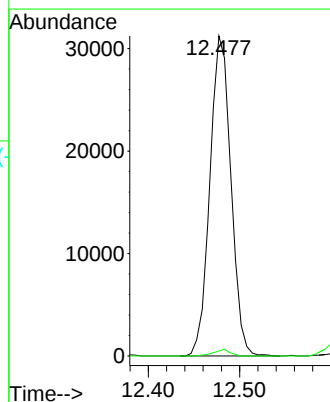
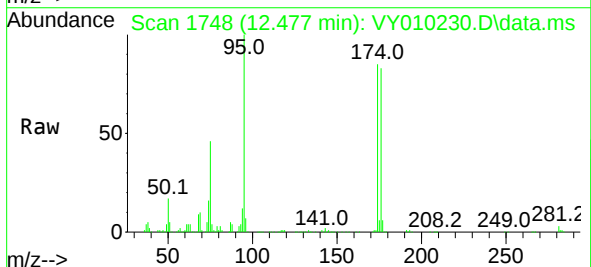
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY083022

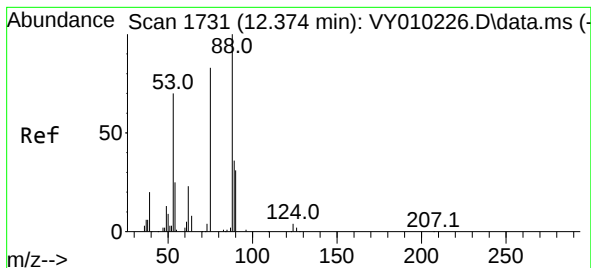
Tgt Ion:152 Resp: 116376
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 159.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.627 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010230.D
 Acq: 30 Aug 2022 20:11

Tgt Ion: 75 Resp: 49924
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

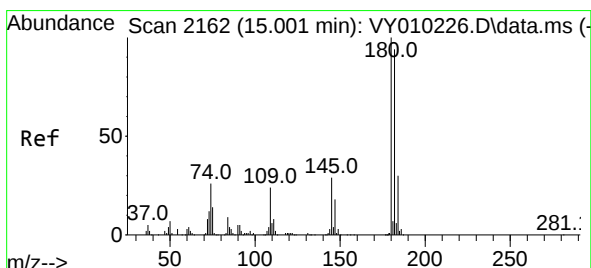
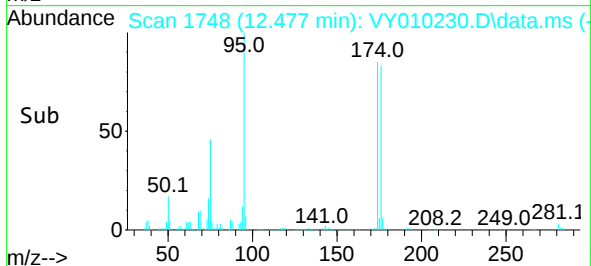
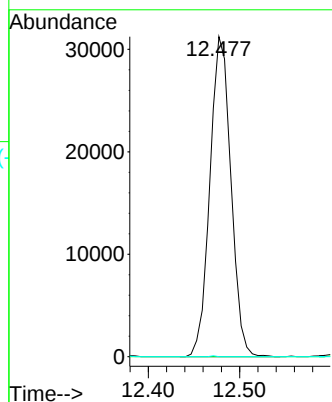
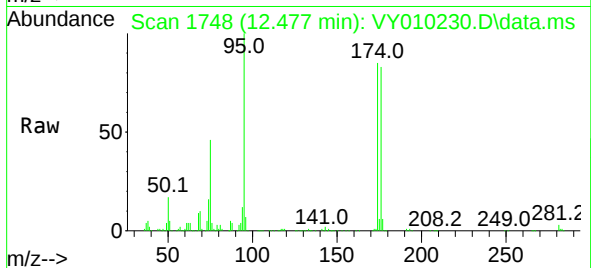




#81
trans-1,4-Dichloro-2-butene
Concen: 91.021 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

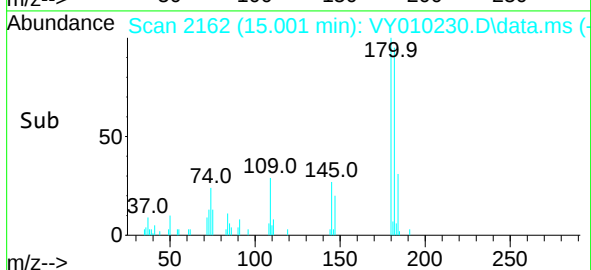
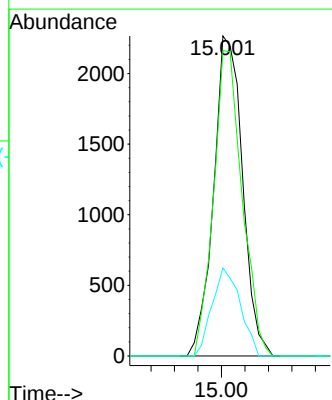
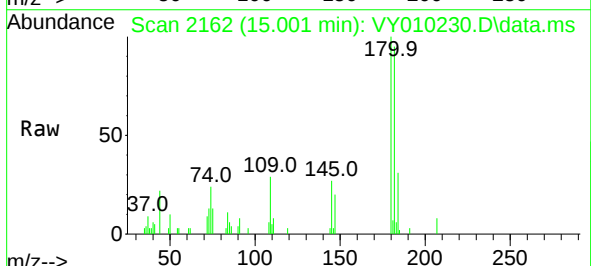
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

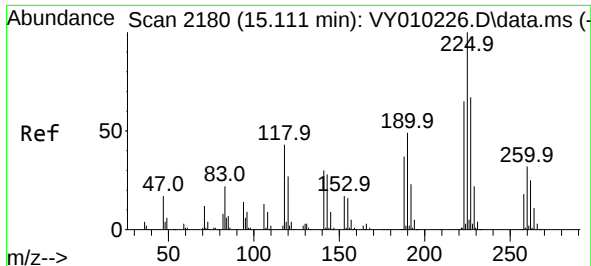
Tgt Ion: 75 Resp: 49924
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.639 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

Tgt Ion: 180 Resp: 3864
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.9
145 26.8 14.6 43.8

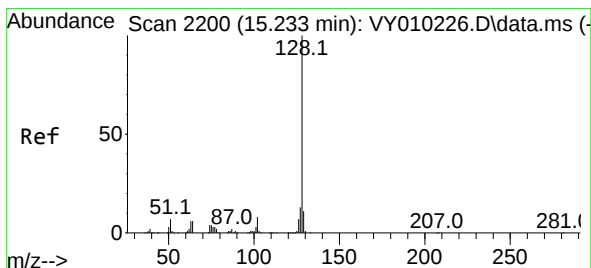
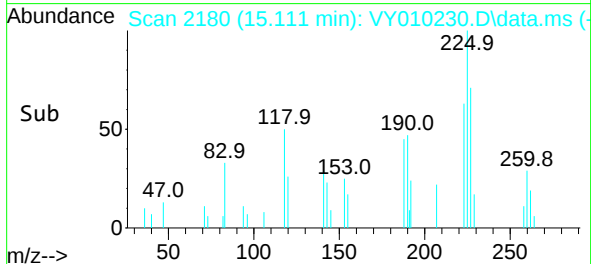
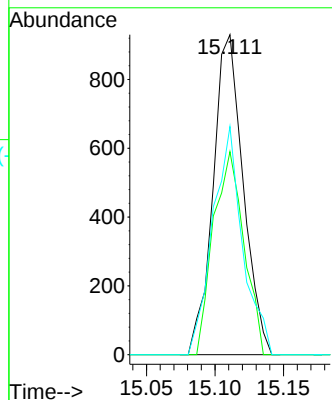
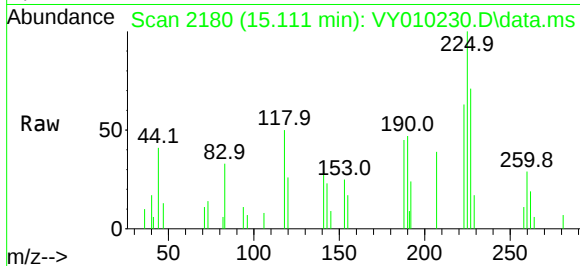




#94
Hexachlorobutadiene
Concen: 1.017 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

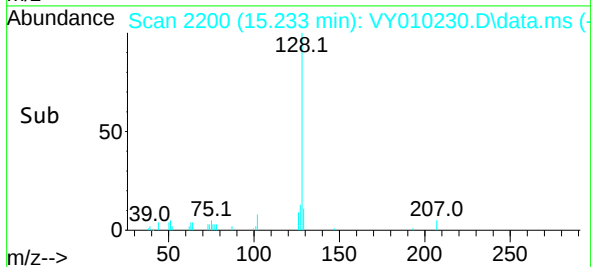
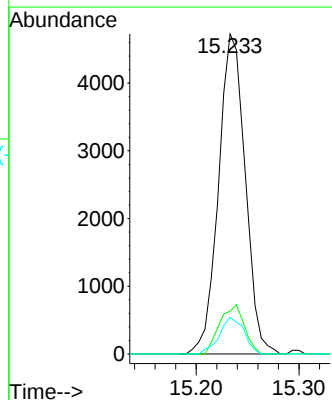
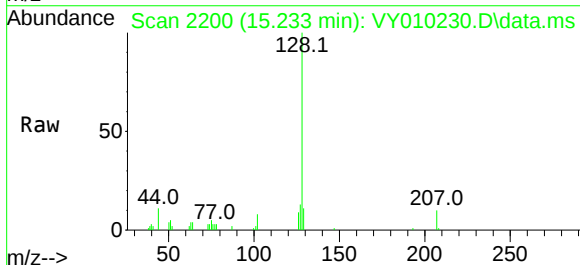
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY083022

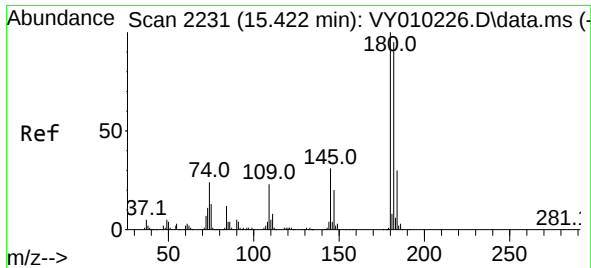
Tgt Ion:225 Resp: 1420
Ion Ratio Lower Upper
225 100
223 64.2 30.8 92.3
227 70.9 31.6 94.7



#95
Naphthalene
Concen: 1.833 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY010230.D
Acq: 30 Aug 2022 20:11

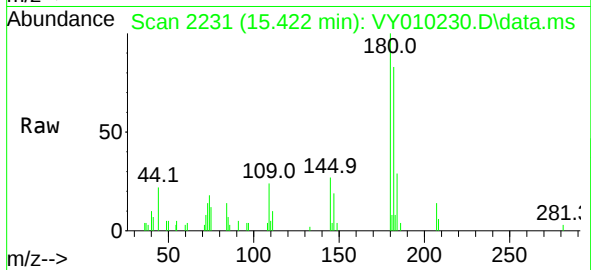
Tgt Ion:128 Resp: 8518
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.4
129 10.5 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.745 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY010230.D
 Acq: 30 Aug 2022 20:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY083022



Tgt Ion:	180	Resp:	3651
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	32.0	15.3	45.9

