

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014853.D
 Acq On : 26 Jul 2023 16:40
 Operator : SY/MD
 Sample : 03741-18
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 26 17:20:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

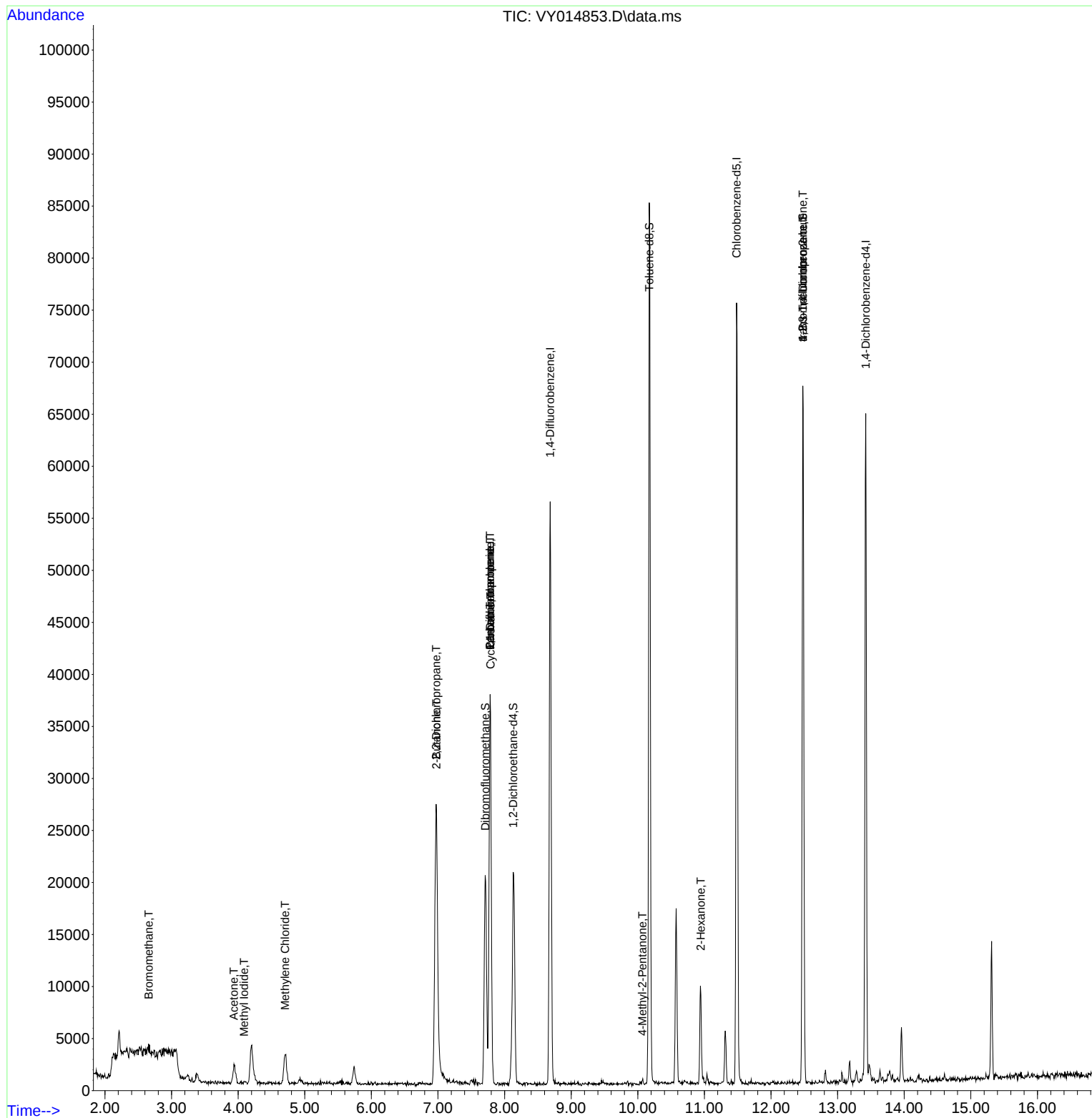
Internal Standards						
1) Pentafluorobenzene	7.783	168	29575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	48929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	41647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	15500	45.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.980%
35) Dibromofluoromethane	7.710	113	14604	46.887	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.780%
50) Toluene-d8	10.173	98	56383	49.100	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.477	95	17258	39.195	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	248	1.240	ug/l #	41
10) Methyl Iodide	4.088	142	120	2.716	ug/l #	38
11) Tert butyl alcohol	4.930	59	402	Below Cal	#	89
16) Acetone	3.936	43	3174	29.720	ug/l	94
20) Methylene Chloride	4.704	84	2260	2.503	ug/l #	79
25) 2-Butanone	6.978	43	1469	9.402	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	2120	3.698	ug/l #	54
31) Cyclohexane	7.789	56	621	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	2489	5.344	ug/l #	48
38) Carbon Tetrachloride	7.783	117	2793	5.672	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	357	1.113	ug/l #	76
59) 2-Hexanone	10.947	43	243	1.039	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	9755	45.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9755	87.691	ug/l #	10

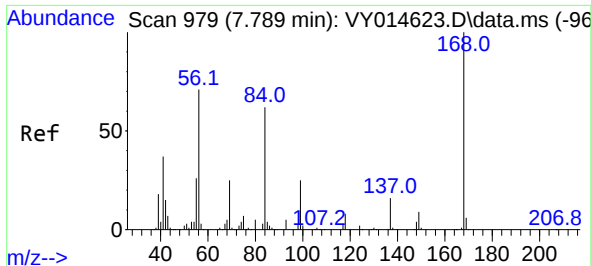
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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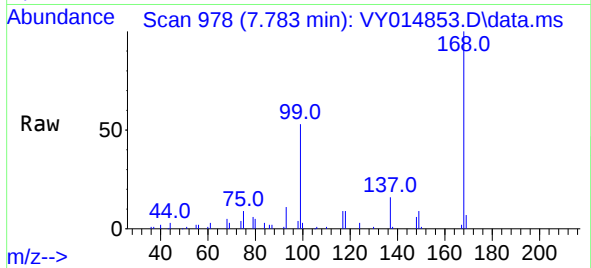
Quant Time: Jul 26 17:20:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
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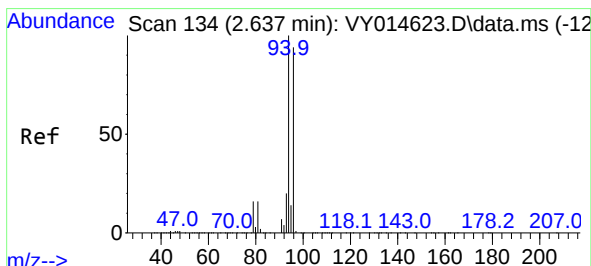
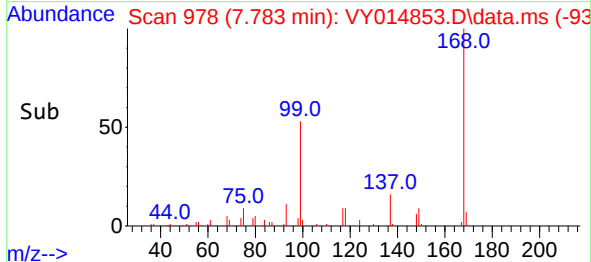
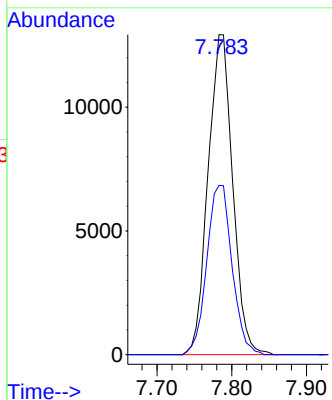


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

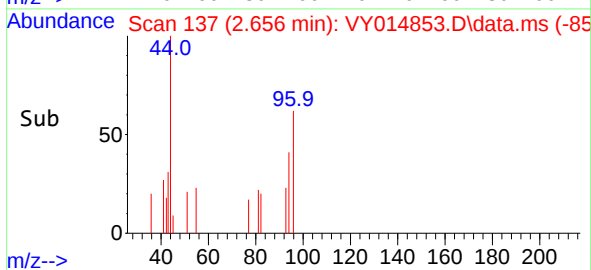
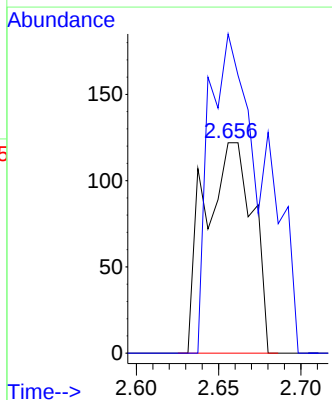
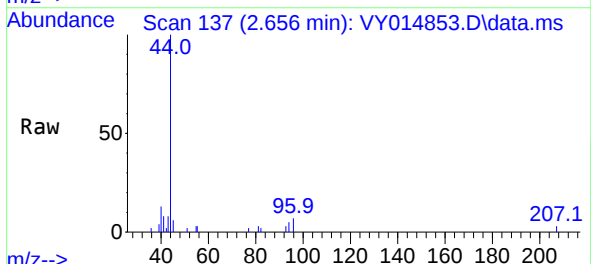


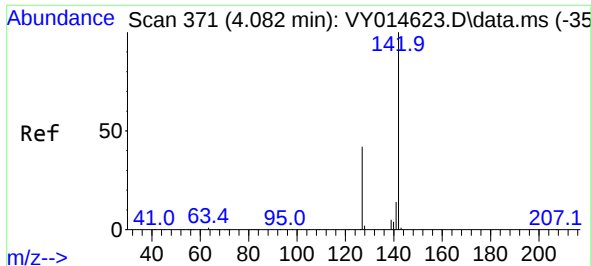
Tgt Ion:168 Resp: 29575
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#5
Bromomethane
Concen: 1.240 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

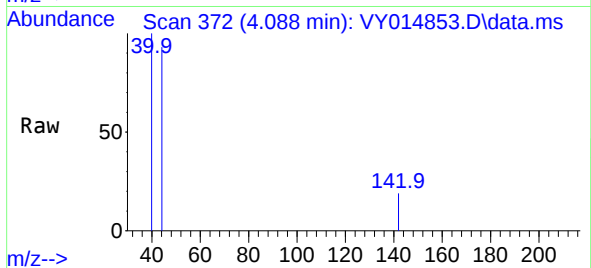
Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 151.6 75.8 113.6#



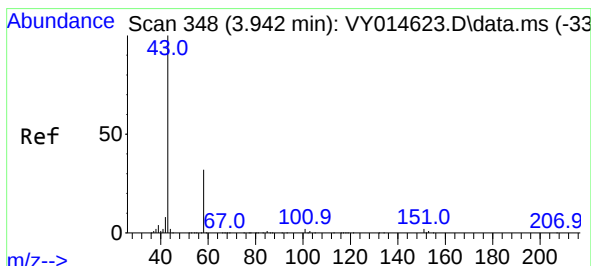
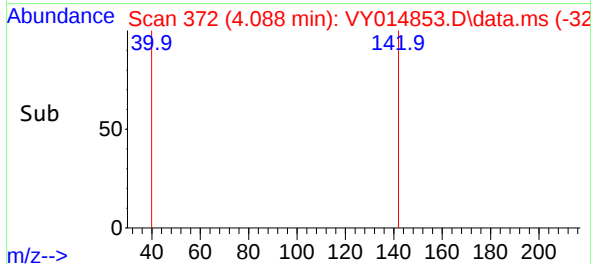
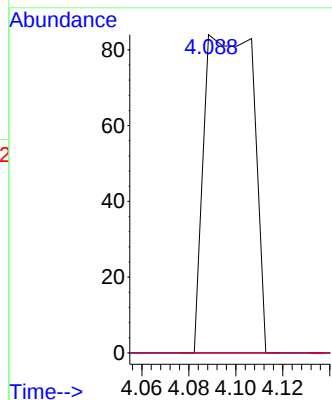


#10
Methyl Iodide
Concen: 2.716 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

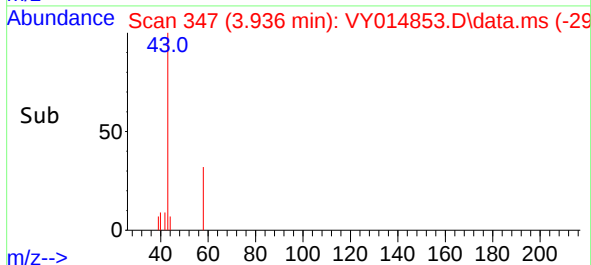
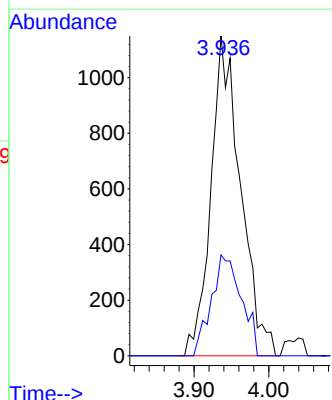
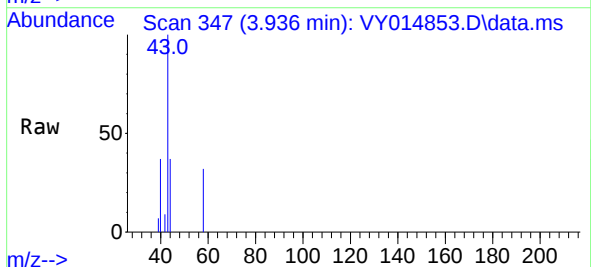


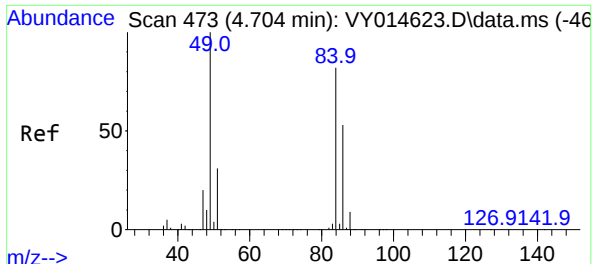
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 29.720 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

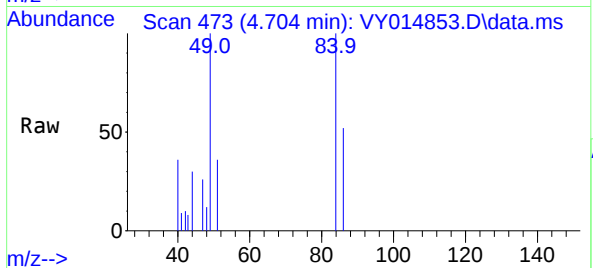
Tgt Ion: 43 Resp: 3174
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1





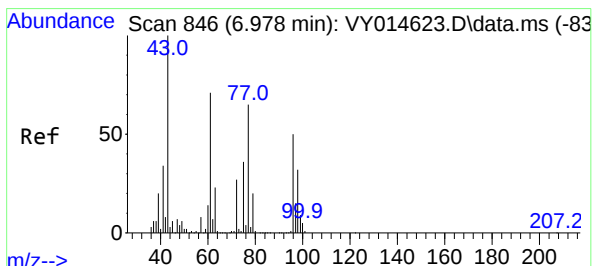
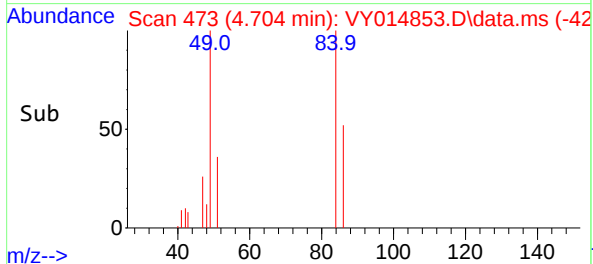
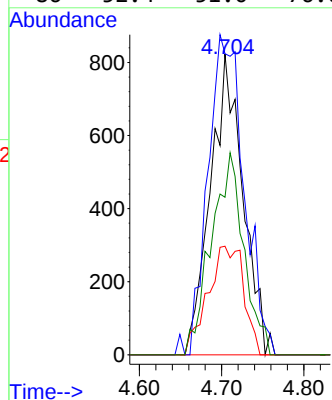
#20
Methylene Chloride
Concen: 2.503 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 2260

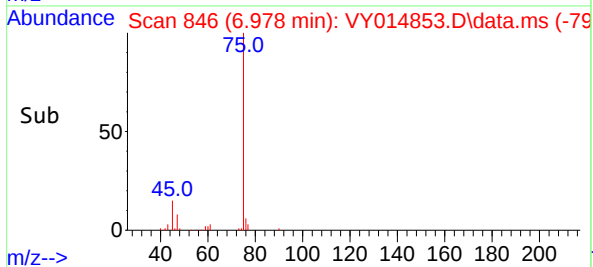
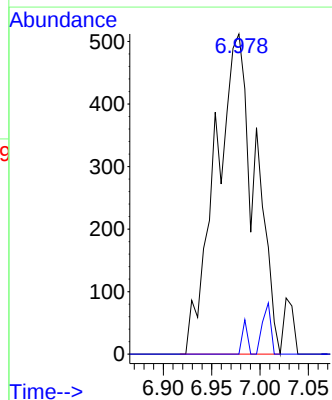
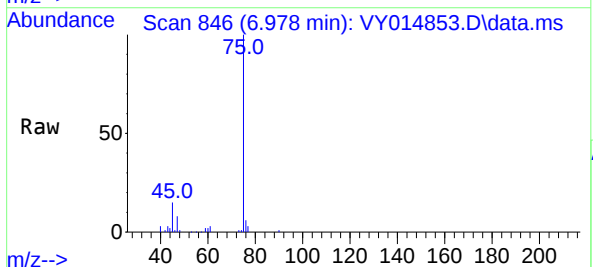
Ion	Ratio	Lower	Upper
84	100		
49	100.1	106.9	160.3#
51	36.1	33.2	49.8
86	52.4	51.0	76.6

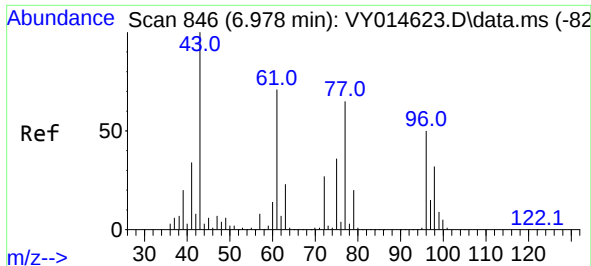


#25
2-Butanone
Concen: 9.402 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Tgt Ion: 43 Resp: 1469

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 3.698 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014853.D

Acq: 26 Jul 2023 16:40

Instrument :

MSVOA_Y

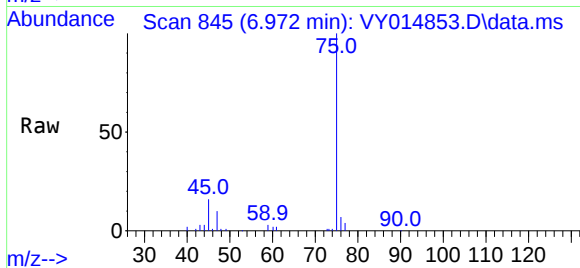
ClientSampleId :

Tgt Ion: 77 Resp: 2120

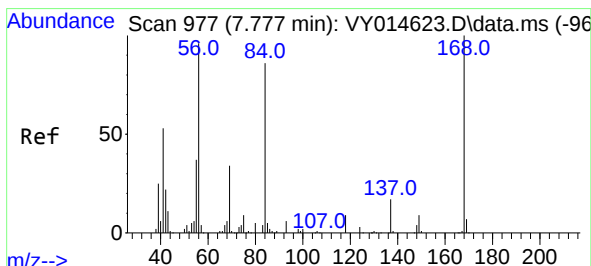
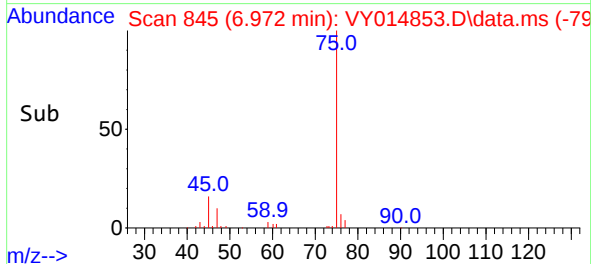
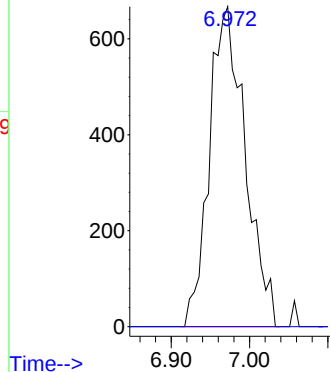
Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



Abundance



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY014853.D

Acq: 26 Jul 2023 16:40

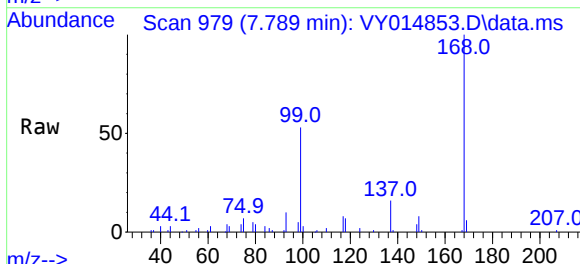
Tgt Ion: 56 Resp: 621

Ion Ratio Lower Upper

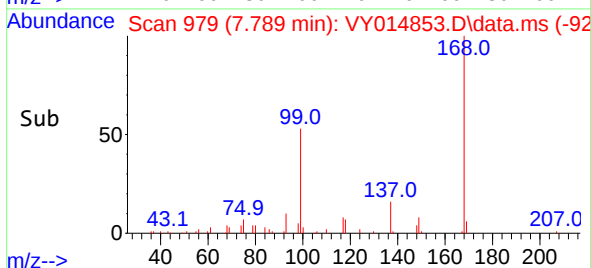
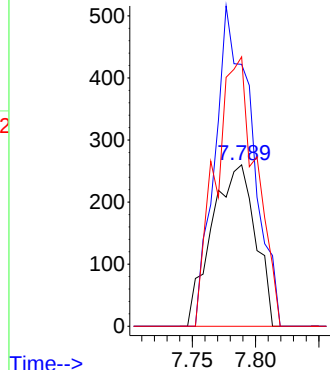
56 100

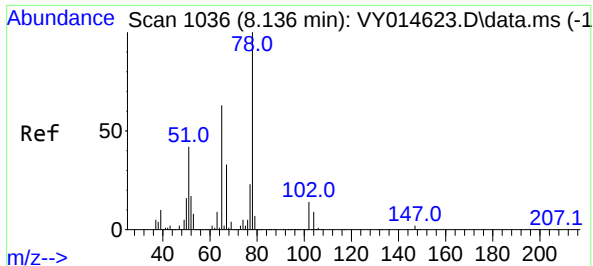
69 162.3 27.8 41.6#

84 166.9 66.4 99.6#



Abundance





#33

1,2-Dichloroethane-d4

Concen: 45.992 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014853.D

Acq: 26 Jul 2023 16:40

Instrument :

MSVOA_Y

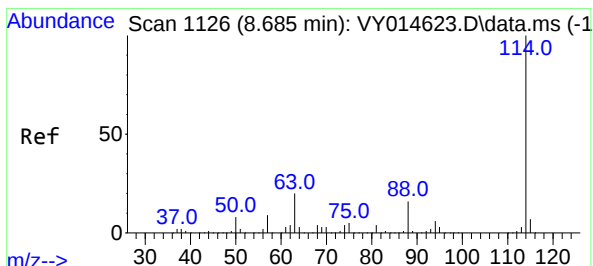
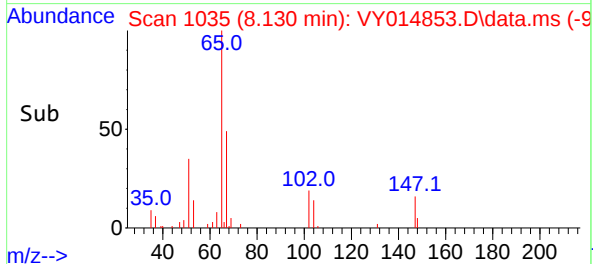
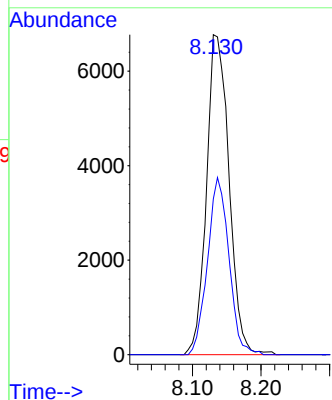
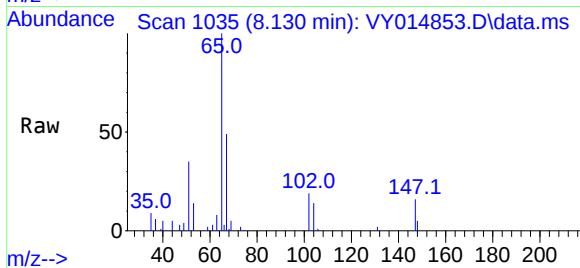
ClientSampleId :

Tgt Ion: 65 Resp: 15500

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014853.D

Acq: 26 Jul 2023 16:40

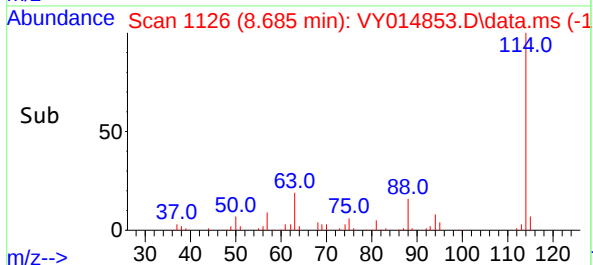
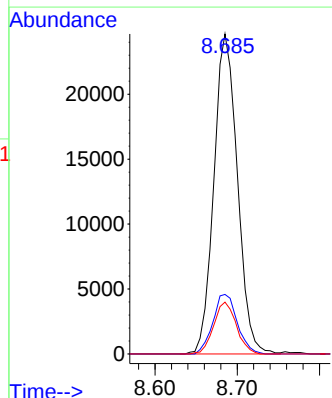
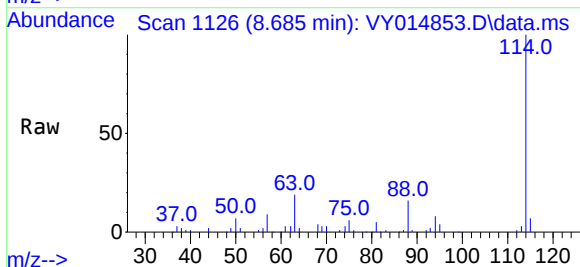
Tgt Ion:114 Resp: 48929

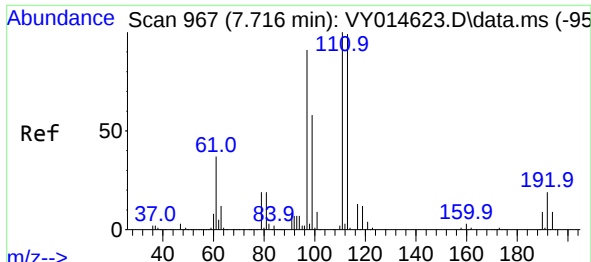
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

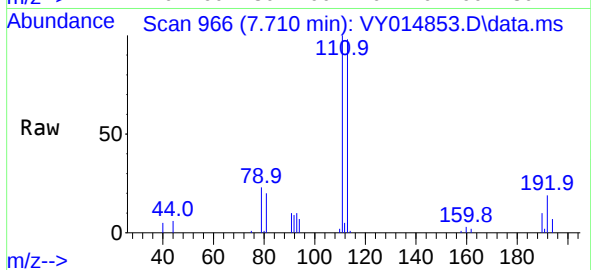
88 16.2 0.0 30.6



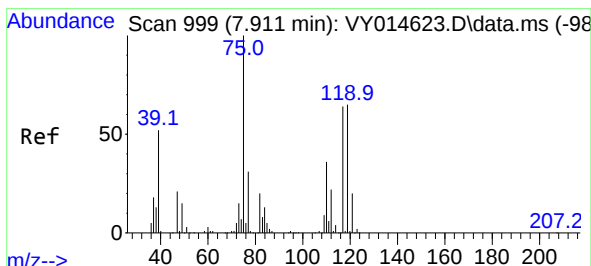
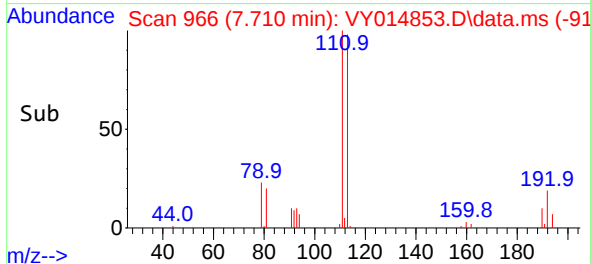
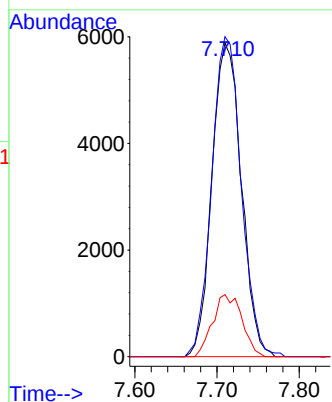


#35
Dibromofluoromethane
Concen: 46.887 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

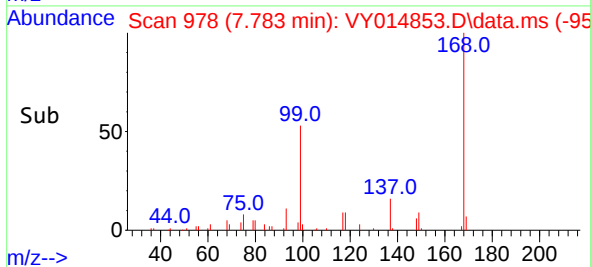
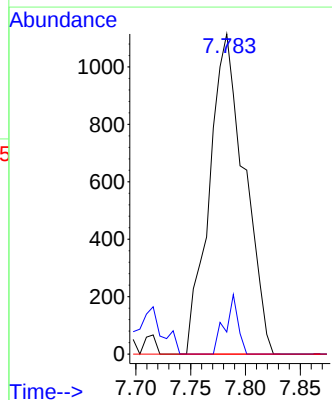
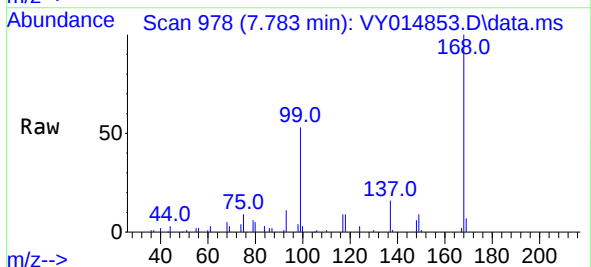


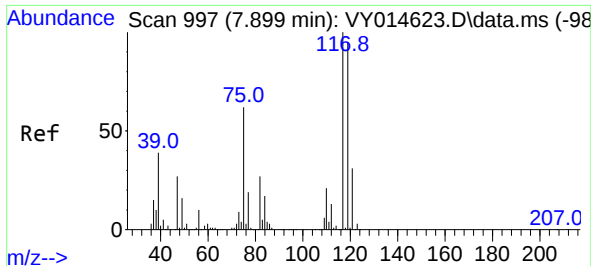
Tgt Ion:113 Resp: 14604
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.344 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

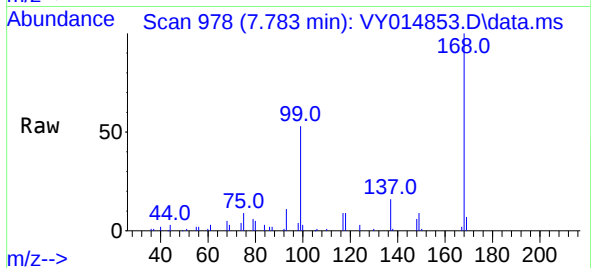
Tgt Ion: 75 Resp: 2489
Ion Ratio Lower Upper
75 100
110 6.8 17.8 53.5#
77 0.0 24.4 36.6#



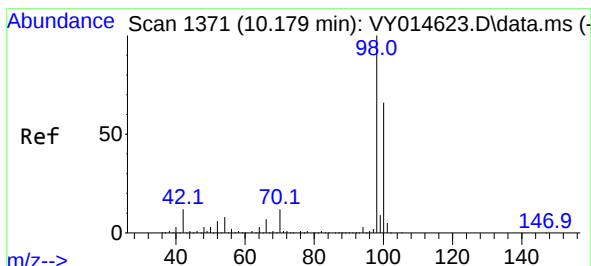
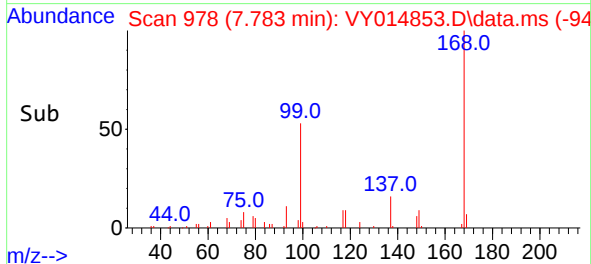
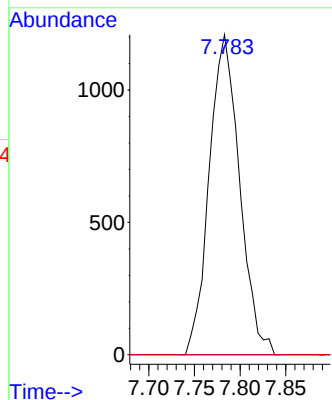


#38
Carbon Tetrachloride
Concen: 5.672 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

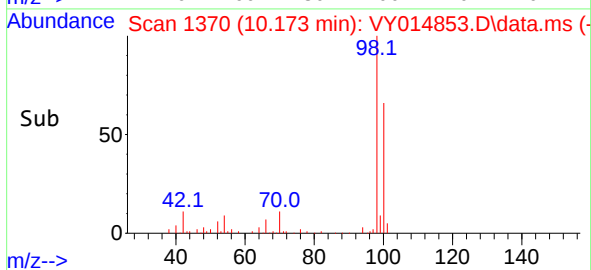
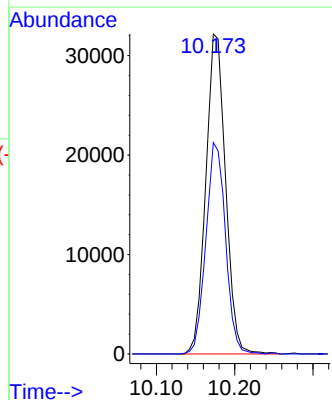
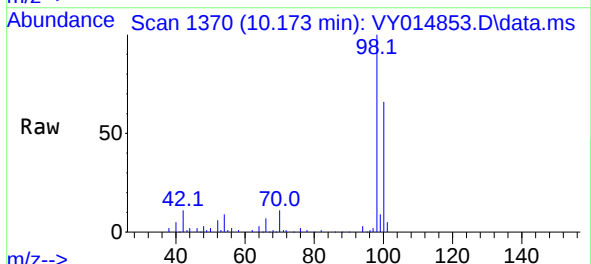


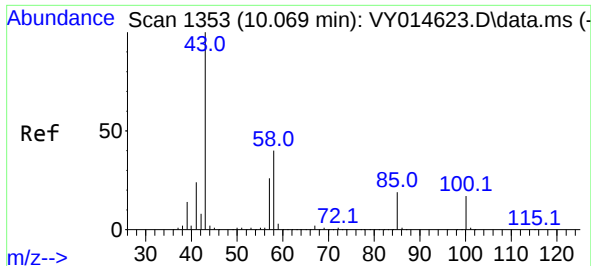
Tgt Ion:117 Resp: 2793
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.100 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Tgt Ion: 98 Resp: 56383
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

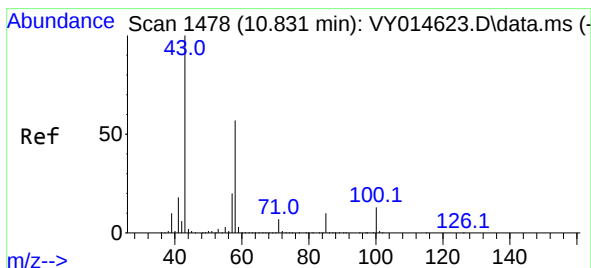
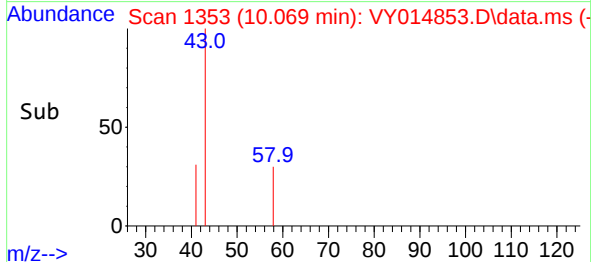
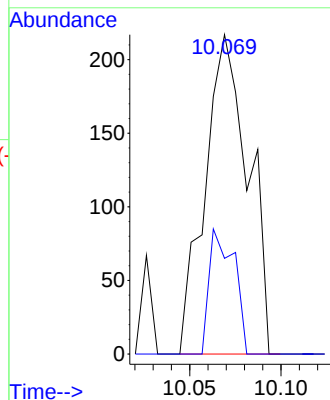
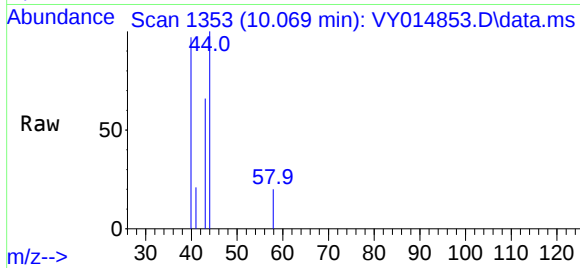




#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

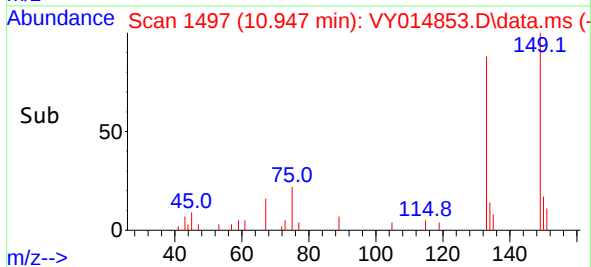
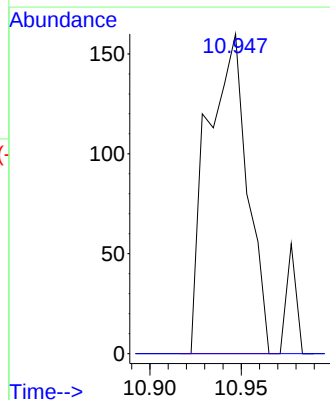
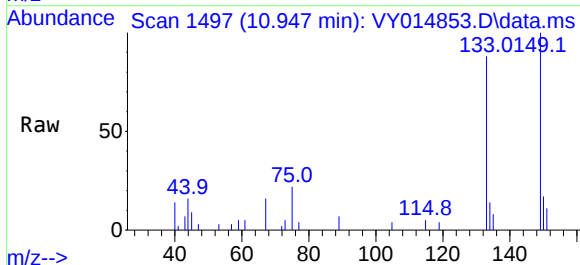
Instrument :
MSVOA_Y
ClientSampleId :

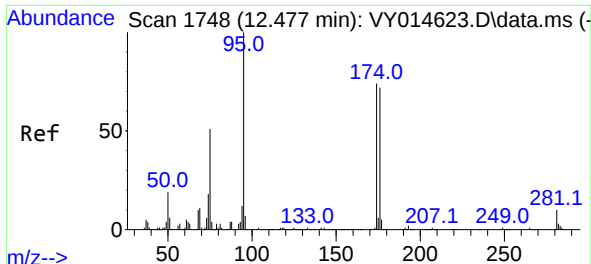
Tgt Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
58 22.4 29.0 43.6#



#59
2-Hexanone
Concen: 1.039 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. 0.116 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#

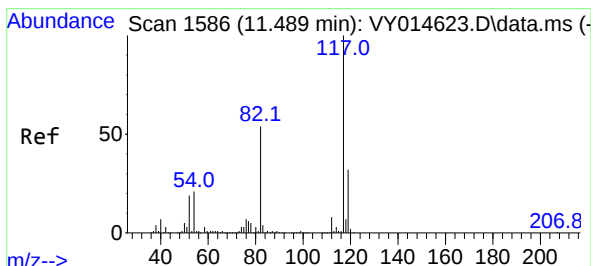
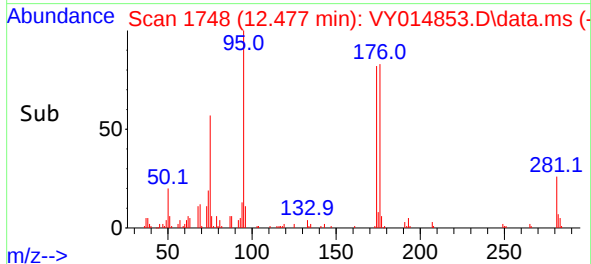
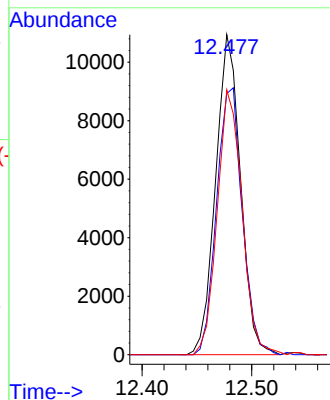
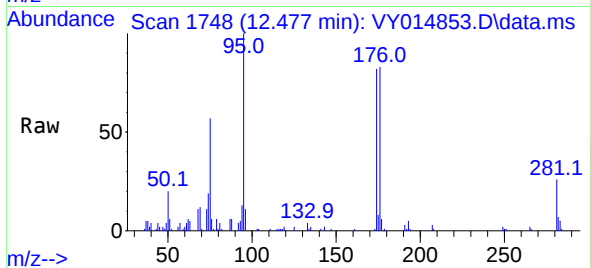




#62
4-Bromofluorobenzene
Concen: 39.195 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

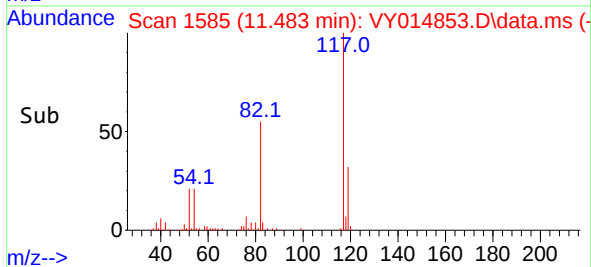
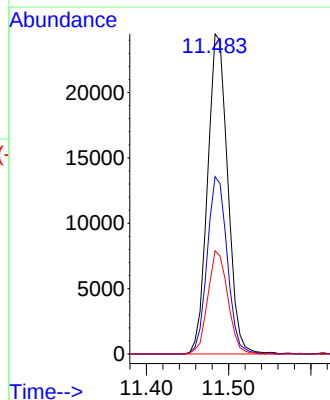
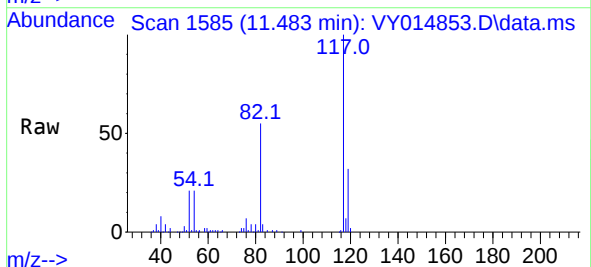
Instrument :
MSVOA_Y
ClientSampleId :

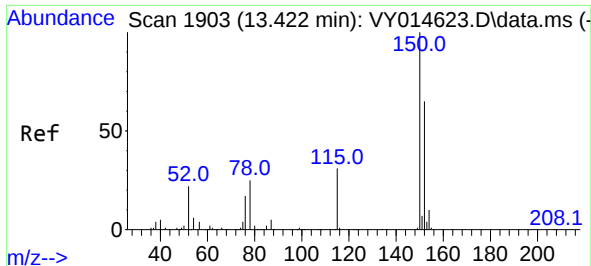
Tgt Ion: 95 Resp: 17258
Ion Ratio Lower Upper
95 100
174 86.1 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

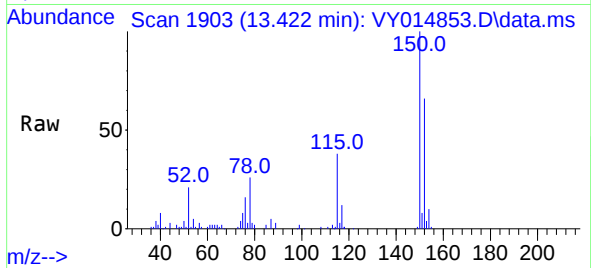
Tgt Ion: 117 Resp: 41647
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 32.3 26.3 39.5



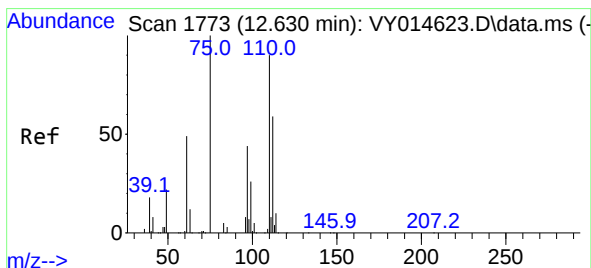
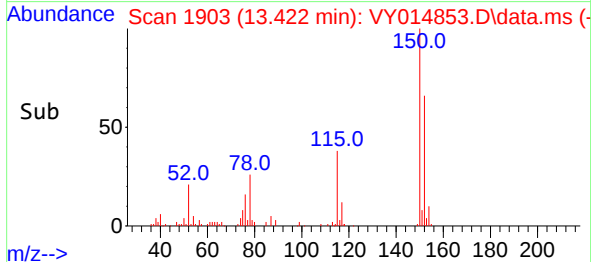
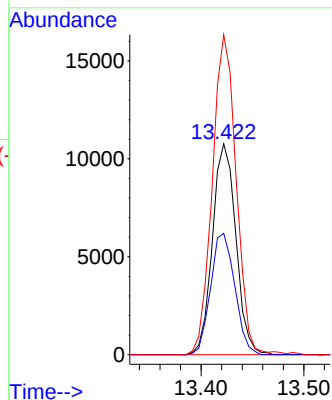


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

Instrument :
MSVOA_Y
ClientSampleId :

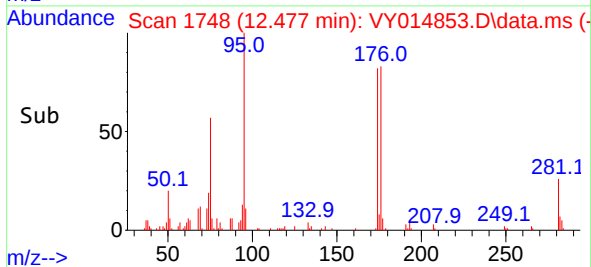
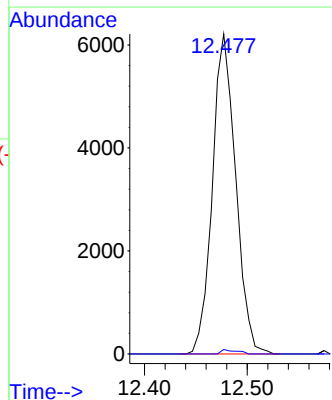
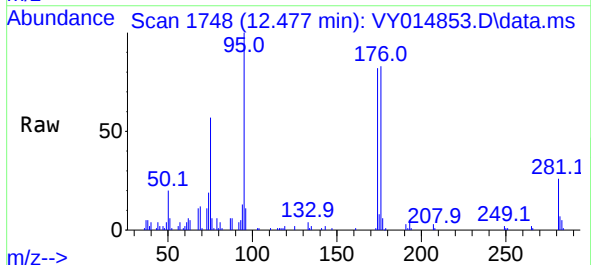


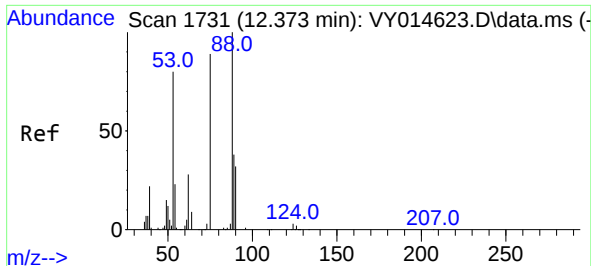
Tgt Ion:152 Resp: 17054
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 154.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 45.291 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014853.D
Acq: 26 Jul 2023 16:40

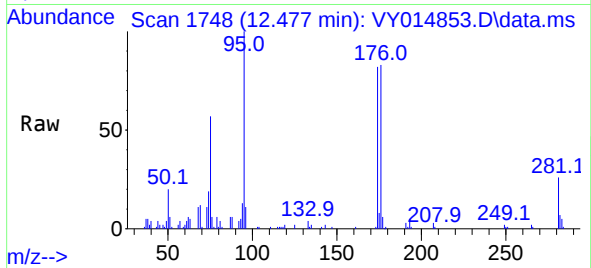
Tgt Ion: 75 Resp: 9755
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.691 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014853.D
 Acq: 26 Jul 2023 16:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 9755
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

