

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014586.D
 Acq On : 06 Jul 2023 14:18
 Operator : KP/MD
 Sample : 03519-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 07 06:13:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

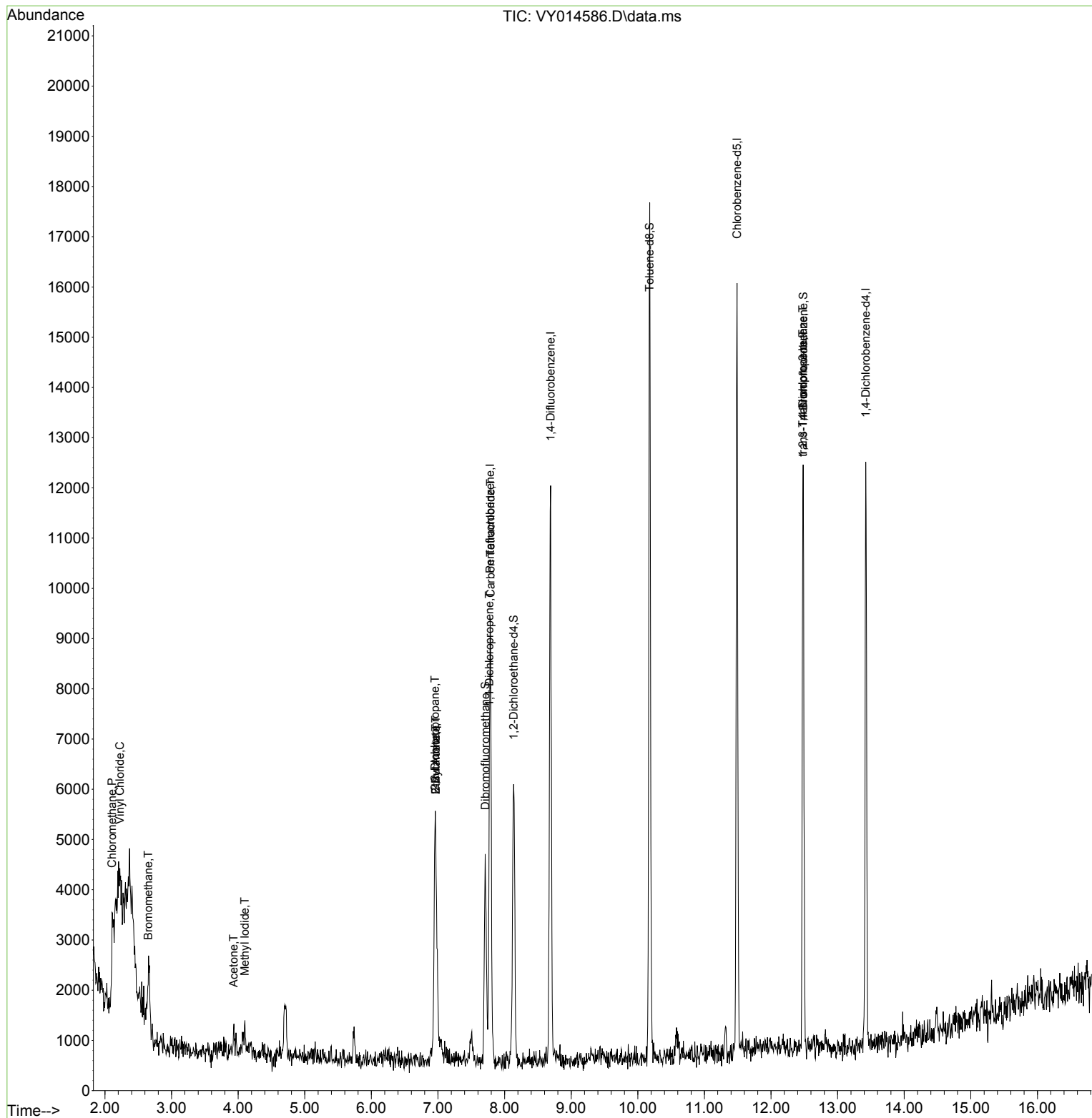
Internal Standards						
1) Pentafluorobenzene	7.783	168	7718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4929	64.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.400%
35) Dibromofluoromethane	7.709	113	2889	42.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.320%
50) Toluene-d8	10.178	98	12946	48.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.720%
62) 4-Bromofluorobenzene	12.483	95	3490	37.544	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	711	7.954	ug/l #	69
4) Vinyl Chloride	2.223	62	131	1.271	ug/l #	44
5) Bromomethane	2.649	94	913	11.428	ug/l #	56
10) Methyl Iodide	4.100	142	890	10.437	ug/l #	91
16) Acetone	3.930	43	679	28.319	ug/l #	68
25) 2-Butanone	6.966	43	162	4.563	ug/l #	49
26) 2,2-Dichloropropane	6.953	77	326	2.710	ug/l #	54
36) 1,1-Dichloropropene	7.770	75	555	5.352	ug/l #	41
37) Ethyl Acetate	6.966	43	162	2.278	ug/l #	1
38) Carbon Tetrachloride	7.789	117	691	6.383	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	1762	37.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1762	73.897	ug/l #	10

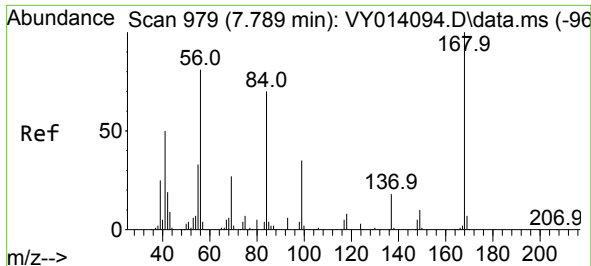
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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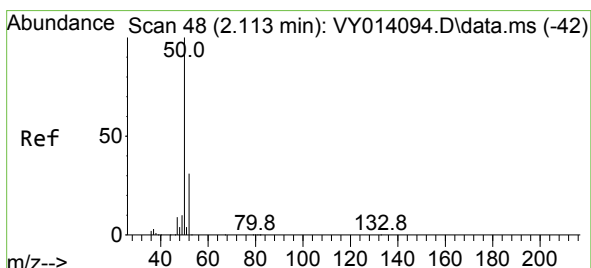
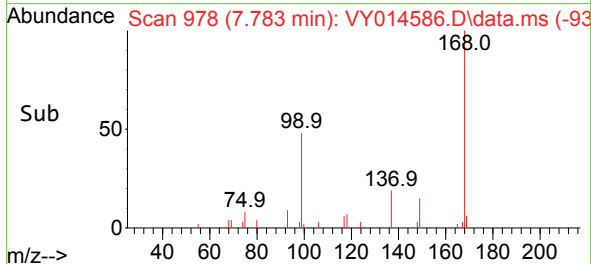
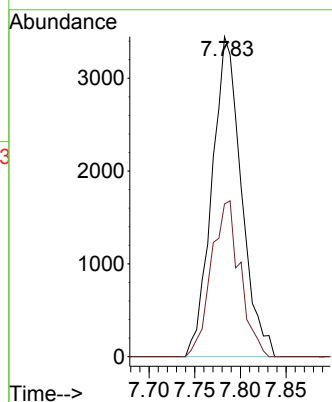
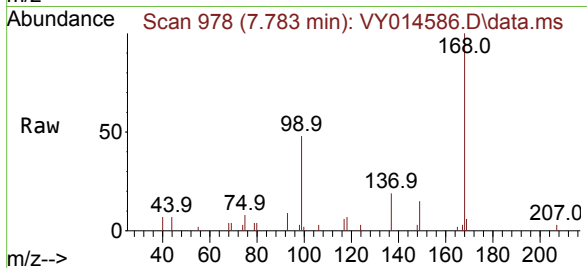




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

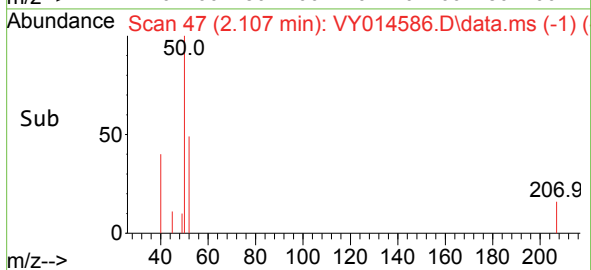
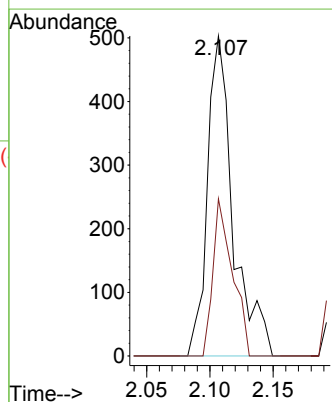
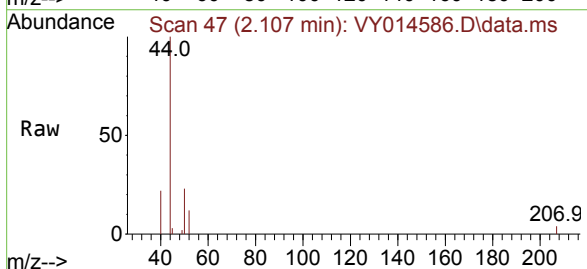
Instrument :
MSVOA_Y
ClientSampleId :

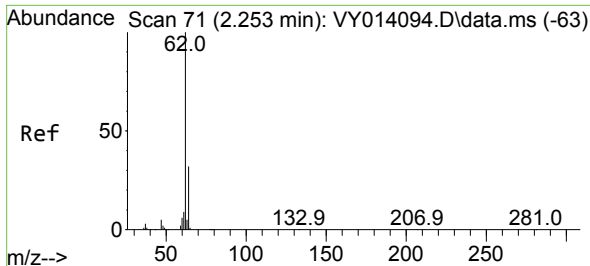
Tgt Ion:168 Resp: 7718
Ion Ratio Lower Upper
168 100
99 47.7 43.4 65.0



#3
Chloromethane
Concen: 7.954 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 49.1 25.4 38.2#

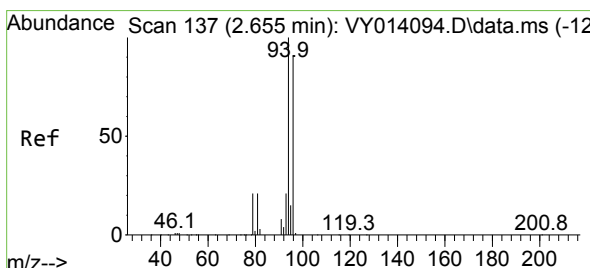
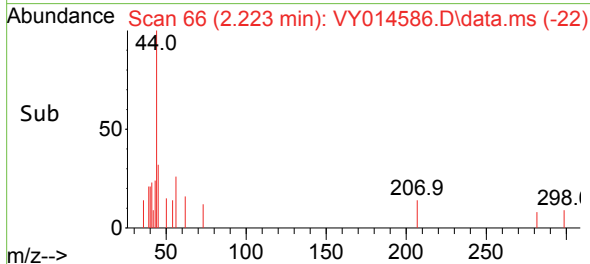
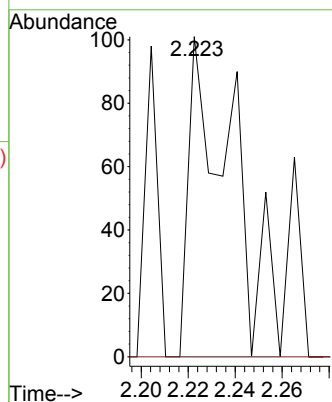
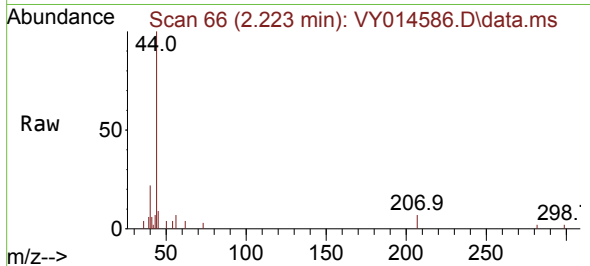




#4
 Vinyl Chloride
 Concen: 1.271 ug/l
 RT: 2.223 min Scan# 60
 Delta R.T. -0.030 min
 Lab File: VY014586.D
 Acq: 06 Jul 2023 14:18

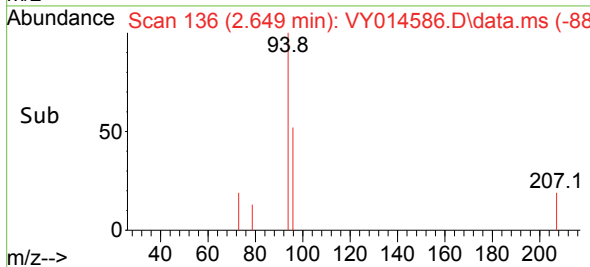
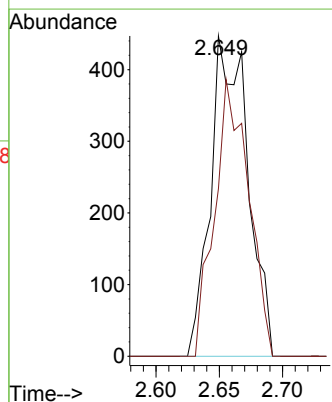
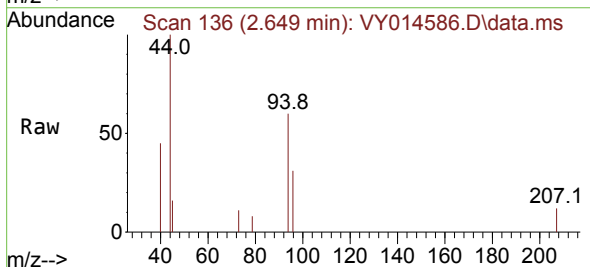
Instrument :
 MSVOA_Y
 ClientSampleId :

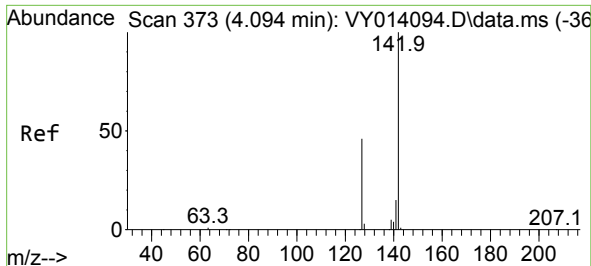
Tgt Ion: 62 Resp: 131
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 11.428 ug/l
 RT: 2.649 min Scan# 136
 Delta R.T. -0.006 min
 Lab File: VY014586.D
 Acq: 06 Jul 2023 14:18

Tgt Ion: 94 Resp: 913
 Ion Ratio Lower Upper
 94 100
 96 52.3 75.8 113.6#





#10

Methyl Iodide

Concen: 10.437 ug/l

RT: 4.100 min Scan# 31

Delta R.T. 0.006 min

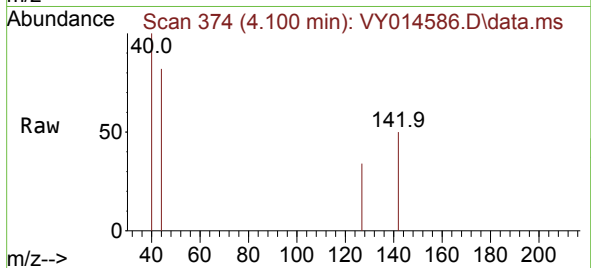
Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

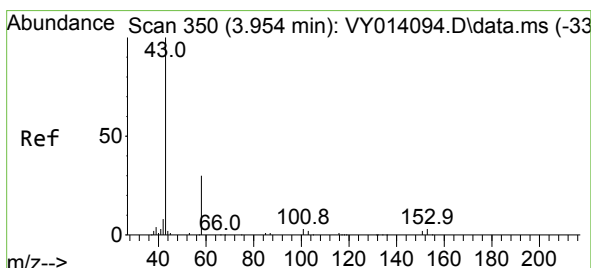
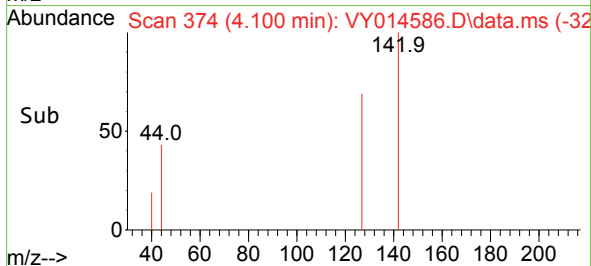
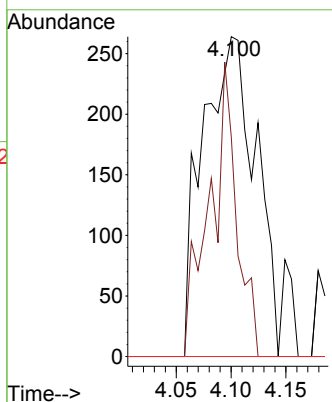
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	890
Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.6	56.4
141	0.0	11.8	17.8#



#16

Acetone

Concen: 28.319 ug/l

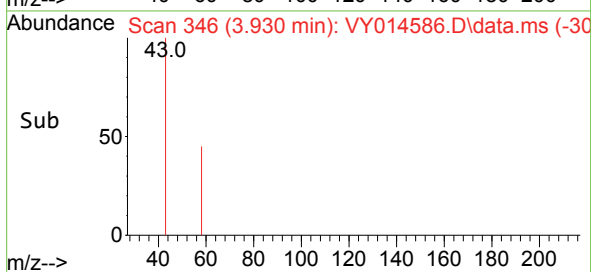
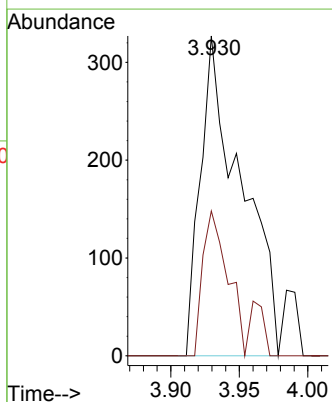
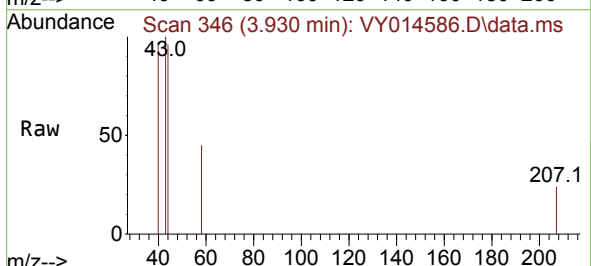
RT: 3.930 min Scan# 346

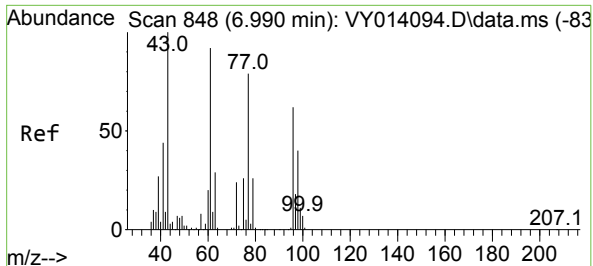
Delta R.T. -0.024 min

Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

Tgt Ion:	43	Resp:	679
Ion	Ratio	Lower	Upper
43	100		
58	45.3	22.7	34.1#





#25

2-Butanone

Concen: 4.563 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.024 min

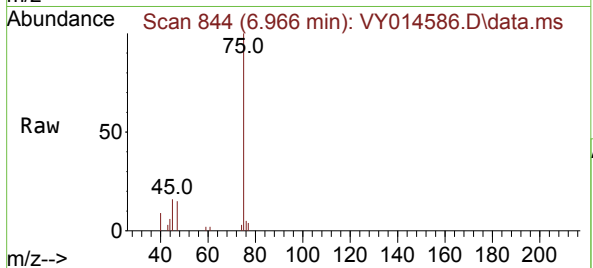
Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :

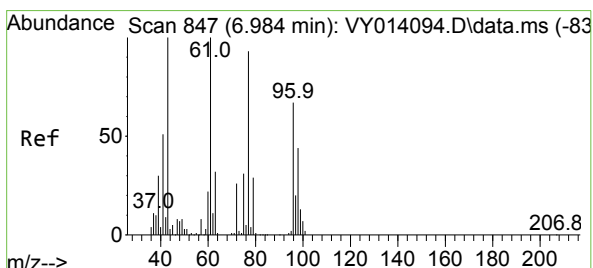
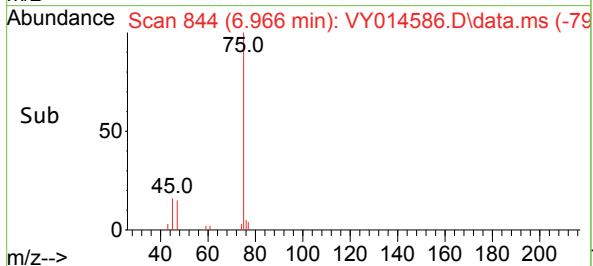
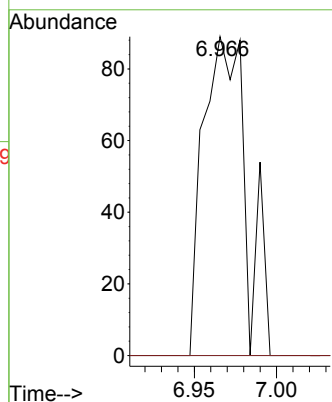


Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.710 ug/l

RT: 6.953 min Scan# 842

Delta R.T. -0.031 min

Lab File: VY014586.D

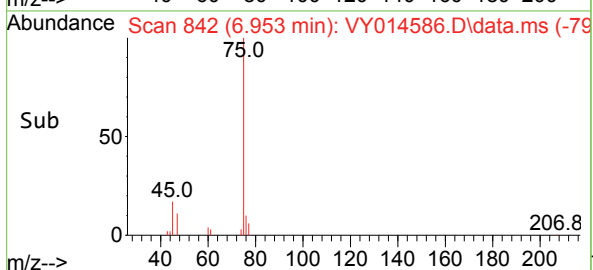
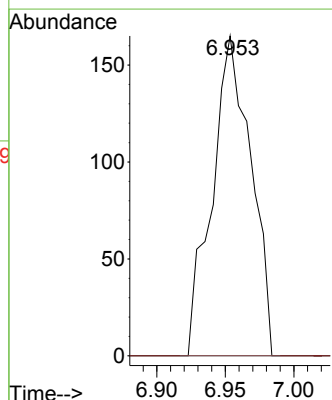
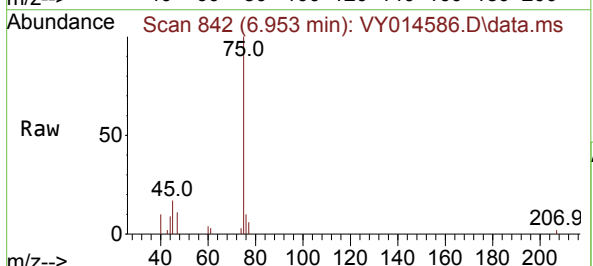
Acq: 06 Jul 2023 14:18

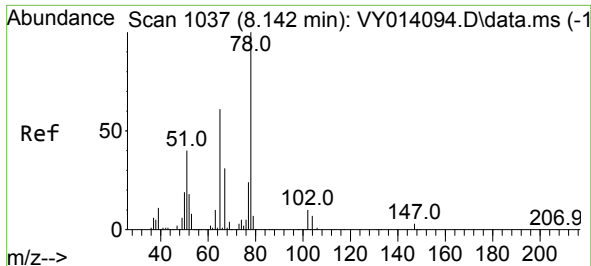
Tgt Ion: 77 Resp: 326

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 64.199 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

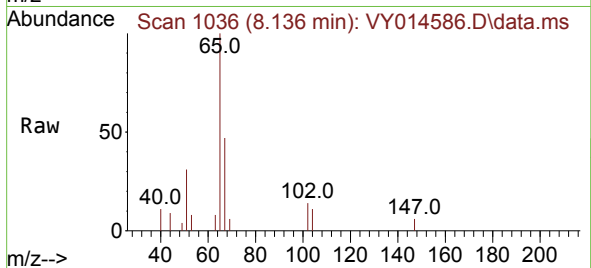
Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :

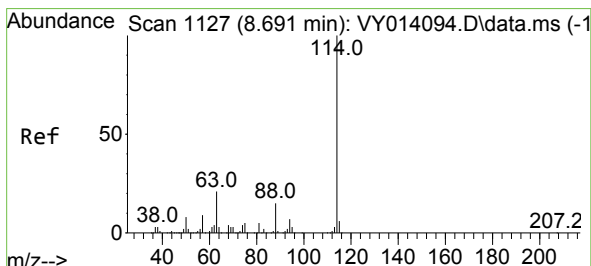
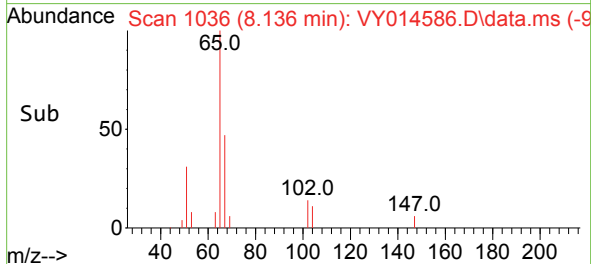
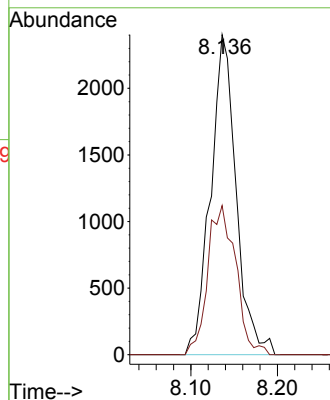


Tgt Ion: 65 Resp: 4929

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

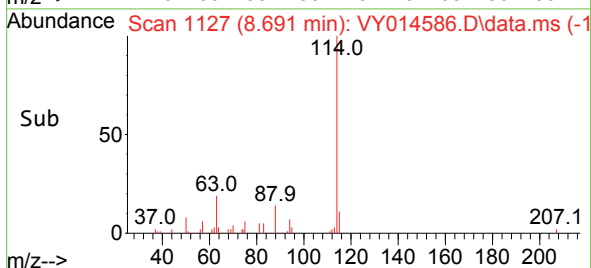
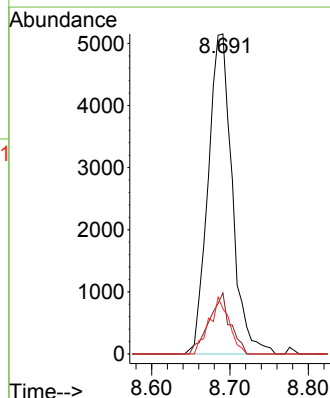
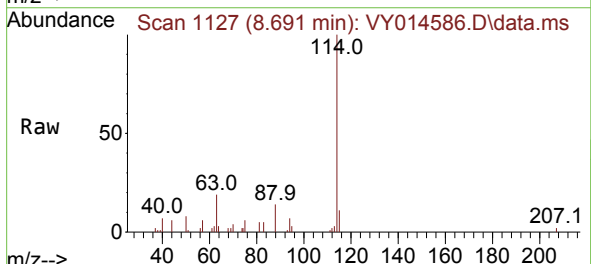
Tgt Ion: 114 Resp: 10997

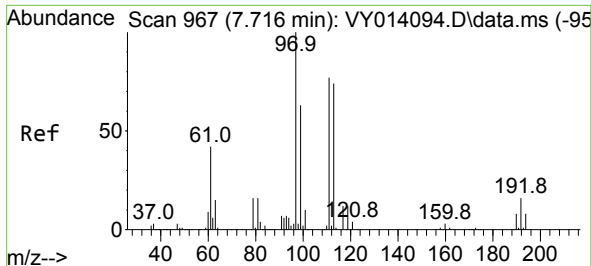
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

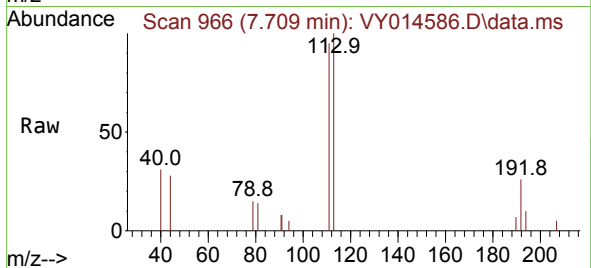
88 14.1 0.0 30.6



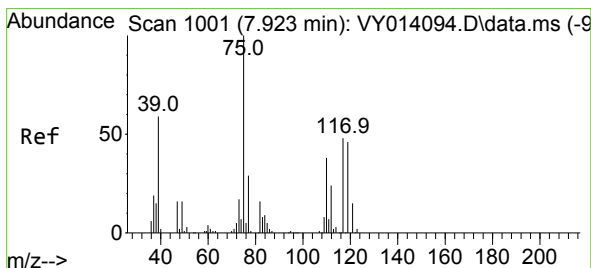
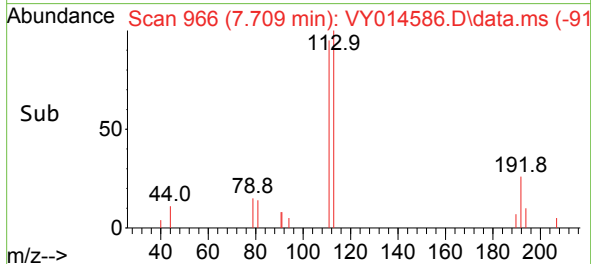
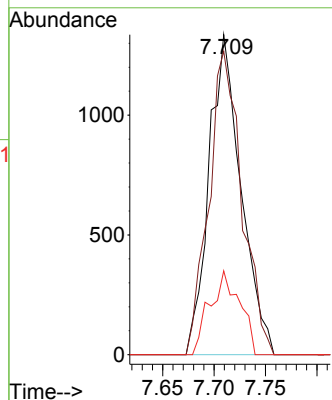


#35
Dibromofluoromethane
Concen: 42.661 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Instrument :
MSVOA_Y
ClientSampleId :

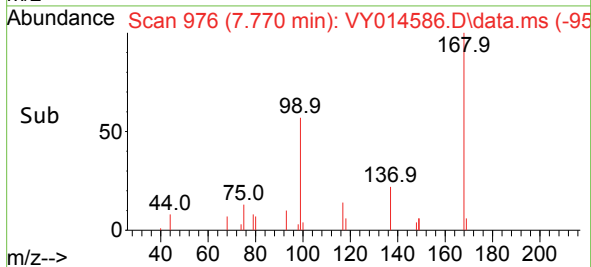
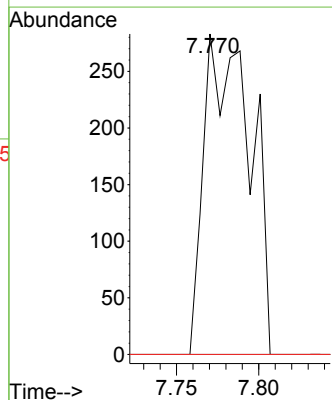
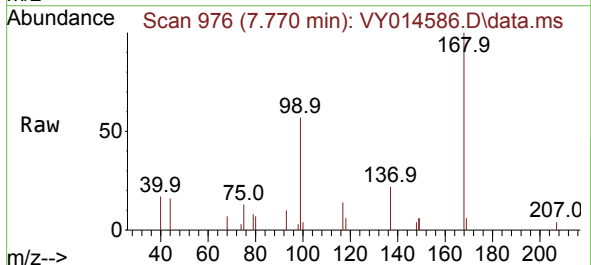


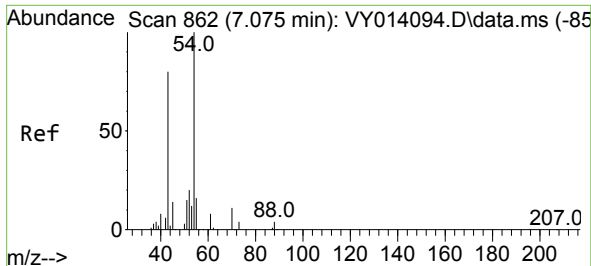
Tgt Ion:113 Resp: 2889
Ion Ratio Lower Upper
113 100
111 98.0 81.3 121.9
192 24.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.770 min Scan# 976
Delta R.T. -0.153 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Tgt Ion: 75 Resp: 555
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.278 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.109 min

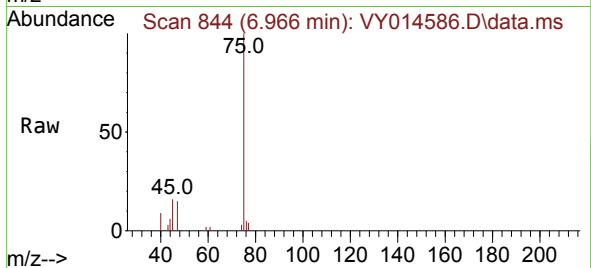
Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

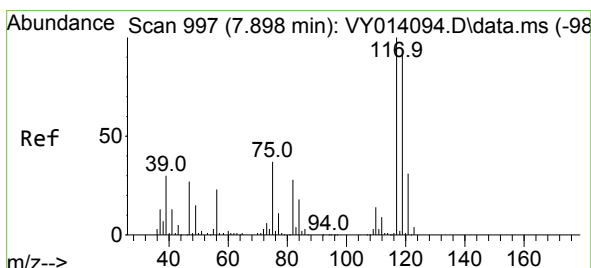
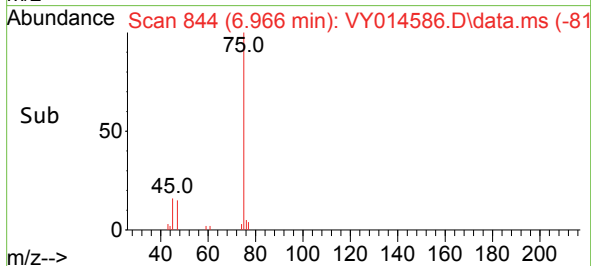
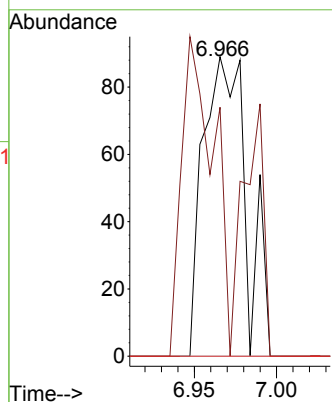
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	162
Ion	Ratio	Lower	Upper
43	100		
61	79.6	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.383 ug/l

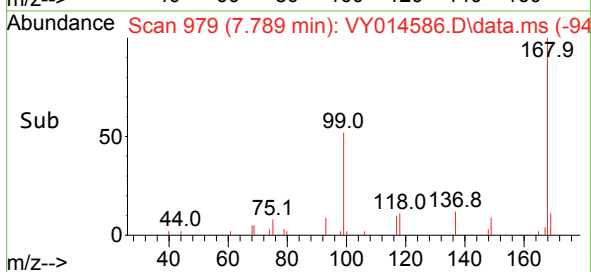
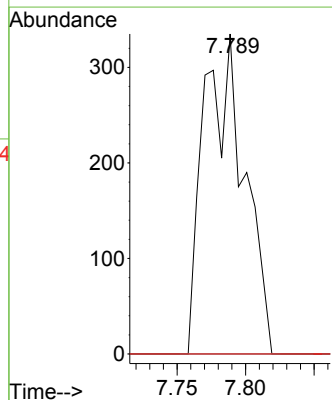
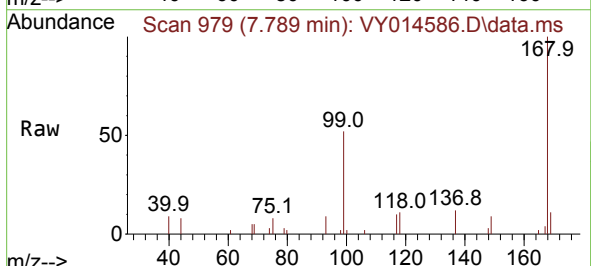
RT: 7.789 min Scan# 979

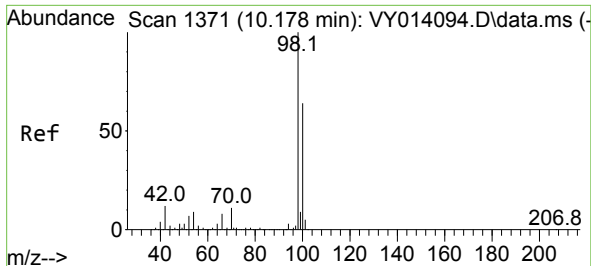
Delta R.T. -0.109 min

Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

Tgt Ion:	117	Resp:	691
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	25.8	38.6#

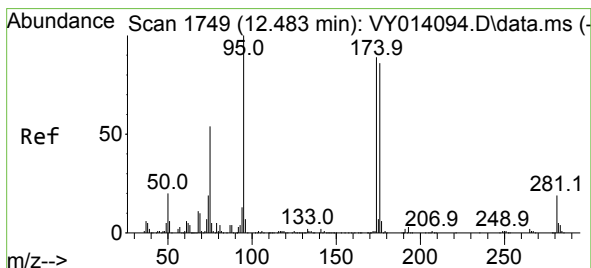
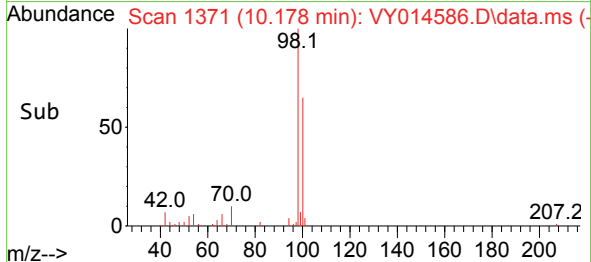
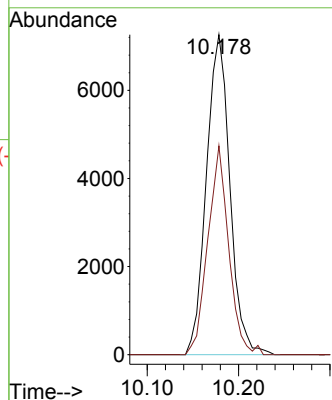
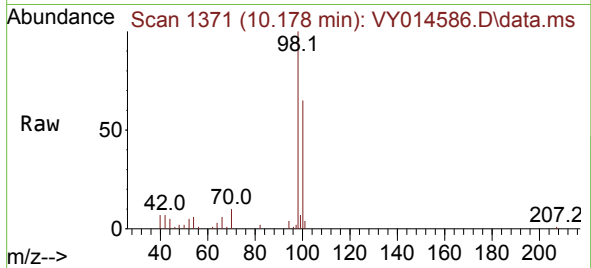




#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

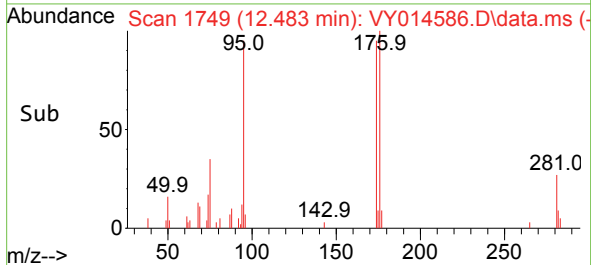
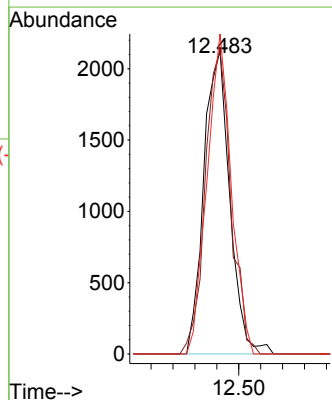
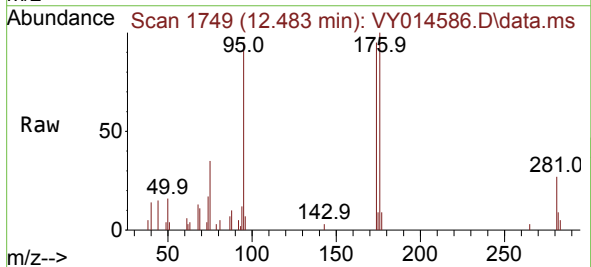
Instrument :
MSVOA_Y
ClientSampleId :

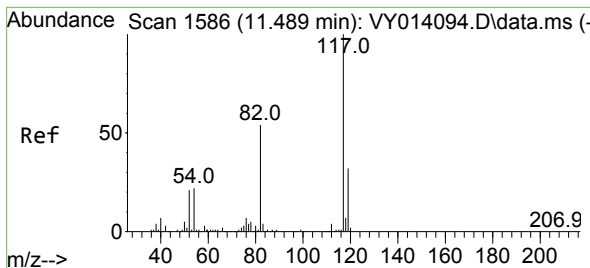
Tgt Ion: 98 Resp: 12946
Ion Ratio Lower Upper
98 100
100 58.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 37.544 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Tgt Ion: 95 Resp: 3490
Ion Ratio Lower Upper
95 100
174 98.9 0.0 178.2
176 98.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

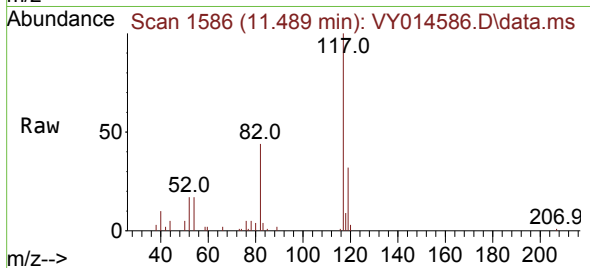
Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

Instrument :

MSVOA_Y

ClientSampleId :



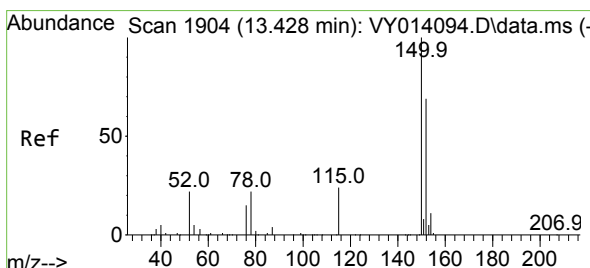
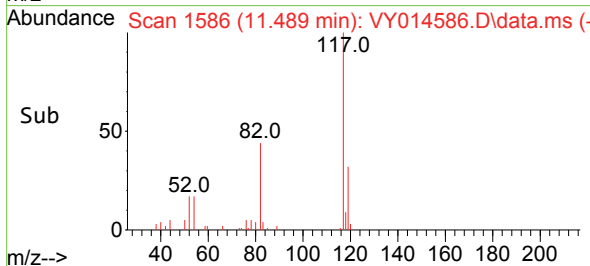
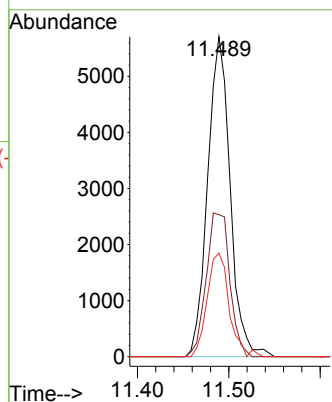
Tgt Ion:117 Resp: 9736

Ion Ratio Lower Upper

117 100

82 44.4 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014586.D

Acq: 06 Jul 2023 14:18

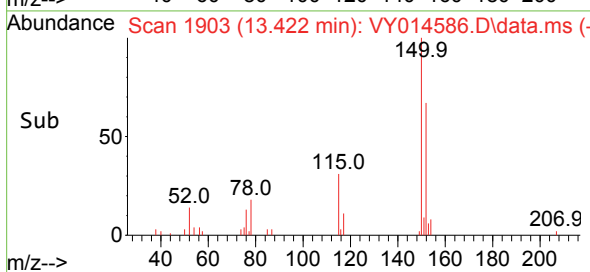
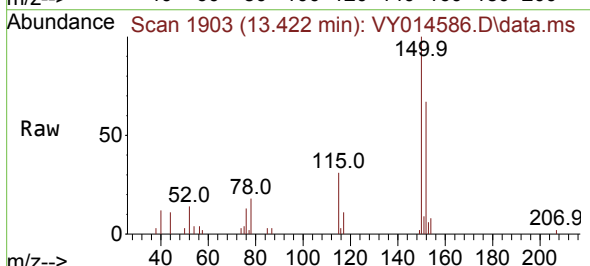
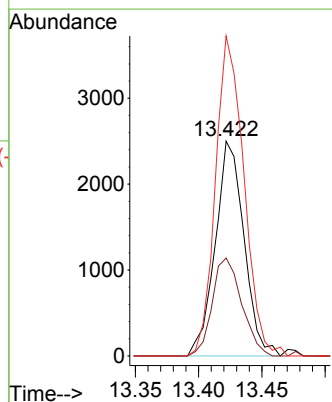
Tgt Ion:152 Resp: 3955

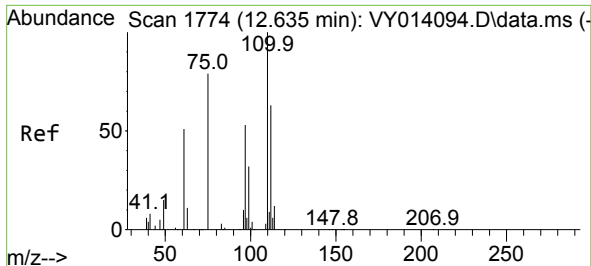
Ion Ratio Lower Upper

152 100

115 46.6 28.8 86.5

150 147.1 0.0 348.8

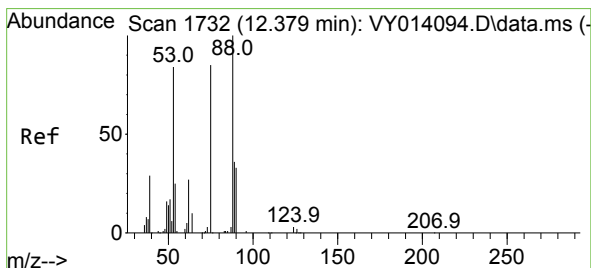
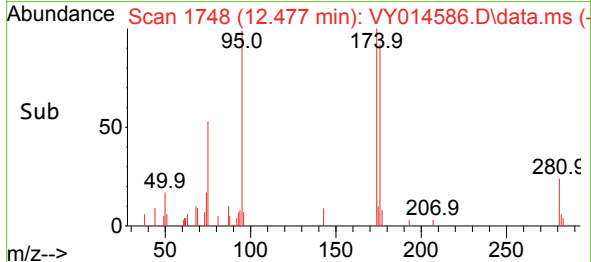
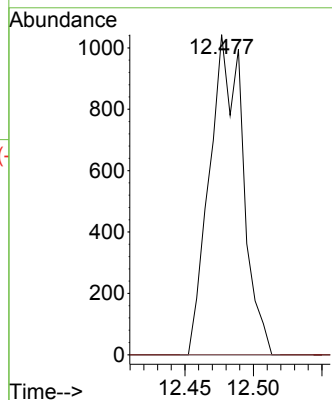
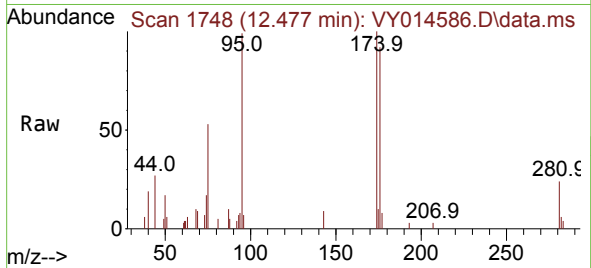




#76
1,2,3-Trichloropropane
Concen: 37.966 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1762
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 73.897 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014586.D
Acq: 06 Jul 2023 14:18

Tgt Ion: 75 Resp: 1762
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

