

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013560.D
 Acq On : 02 May 2023 16:34
 Operator : KP/MD
 Sample : 02568-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11938

Quant Time: May 03 01:34:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

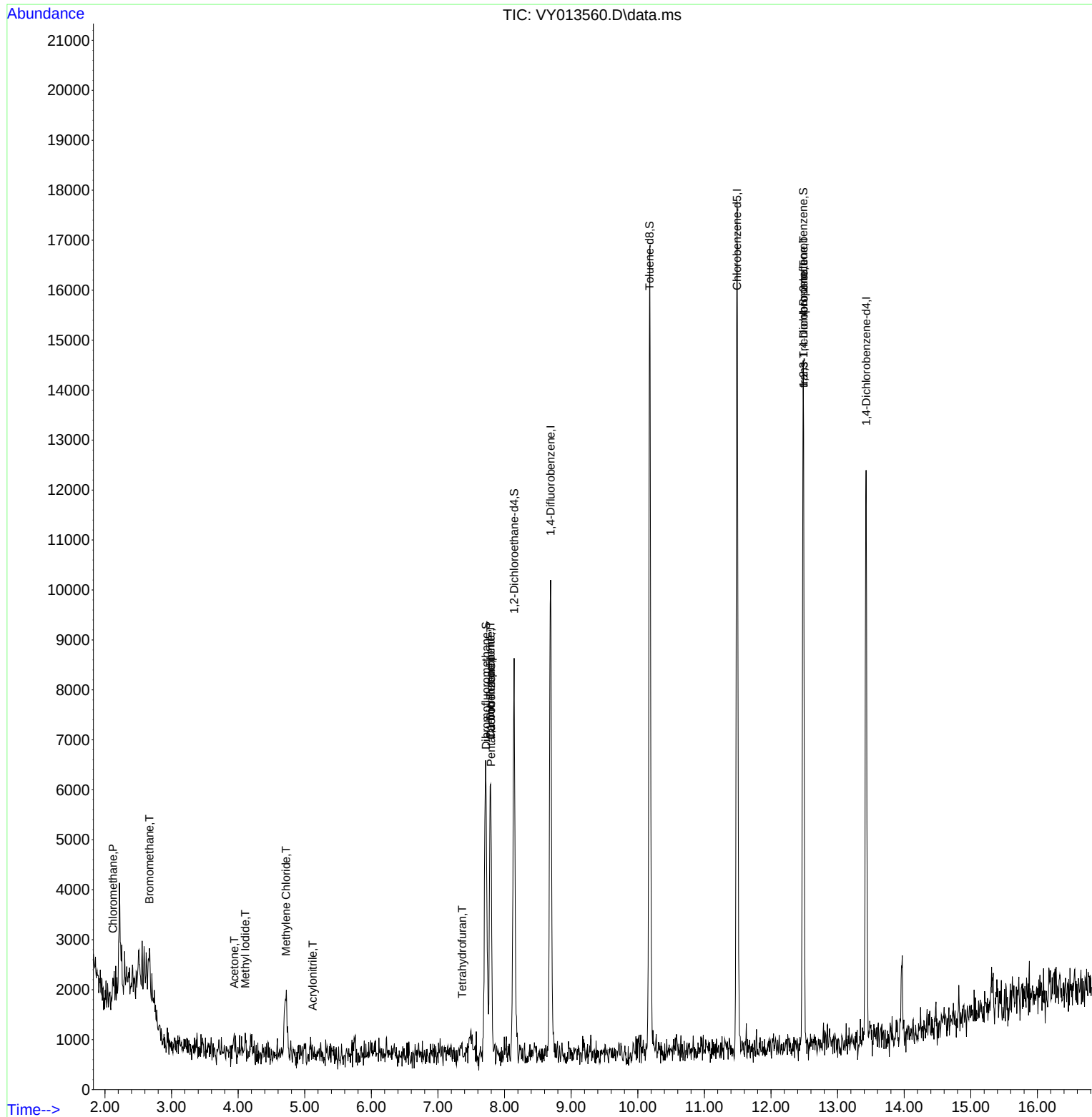
Internal Standards						
1) Pentafluorobenzene	7.795	168	4790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6149	117.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 234.200%#	
35) Dibromofluoromethane	7.722	113	3979	71.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 143.120%	
50) Toluene-d8	10.179	98	10663	53.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.800%	
62) 4-Bromofluorobenzene	12.483	95	3423	51.329	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.660%	
Target Compounds						
3) Chloromethane	2.119	50	392	6.422	ug/l	# 42
5) Bromomethane	2.668	94	216	4.460	ug/l	# 94
10) Methyl Iodide	4.107	142	393	6.059	ug/l	# 39
15) Acrylonitrile	5.119	53	49	2.791	ug/l	# 18
16) Acetone	3.942	43	235	11.364	ug/l	# 43
20) Methylene Chloride	4.716	84	933	7.531	ug/l	# 83
29) Tetrahydrofuran	7.362	42	44	2.695	ug/l	# 32
36) 1,1-Dichloropropene	7.789	75	374	4.053	ug/l	# 40
38) Carbon Tetrachloride	7.789	117	451	4.663	ug/l	# 11
76) 1,2,3-Trichloropropane	12.489	75	1896	43.378	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	1896	88.732	ug/l	# 12

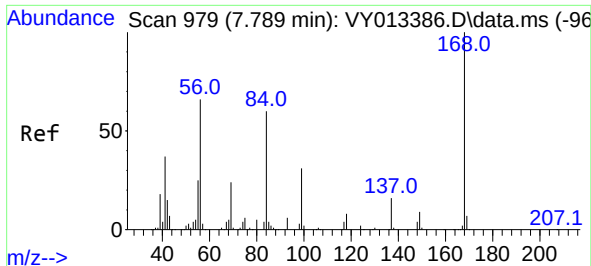
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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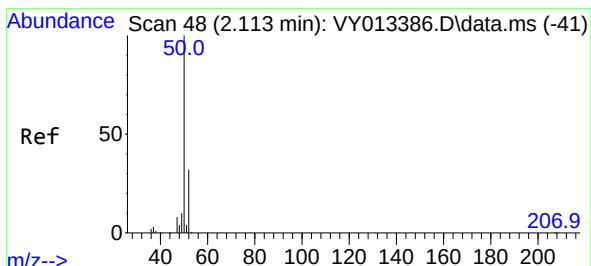
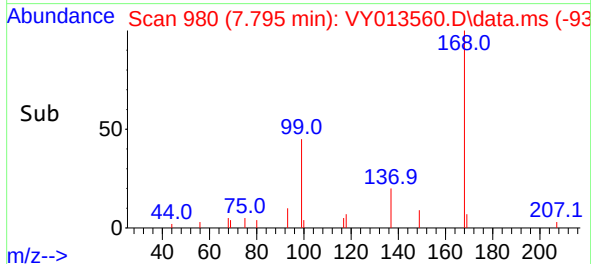
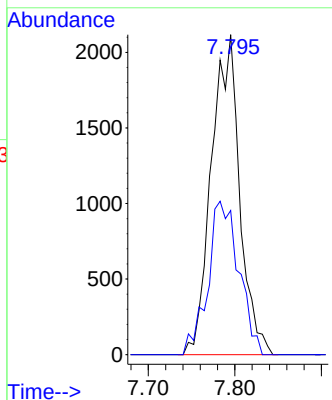
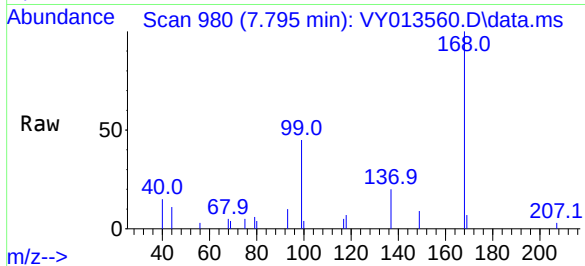




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

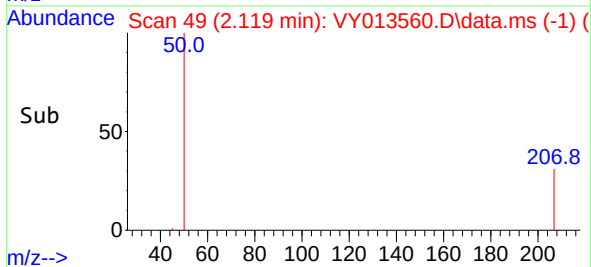
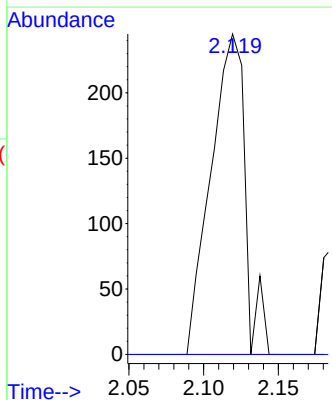
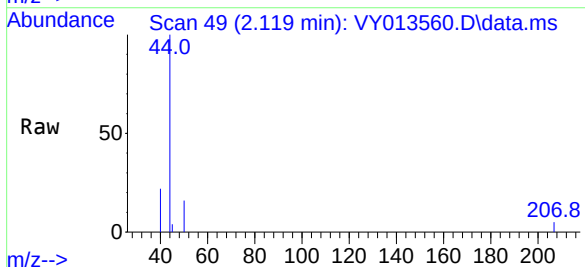
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

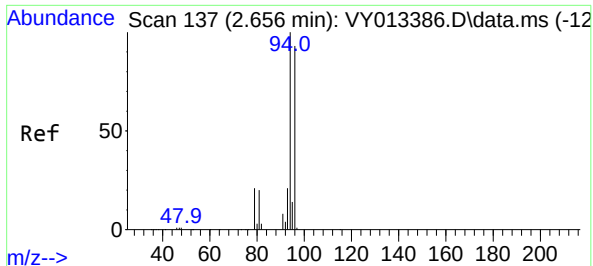
Tgt Ion:168 Resp: 4790
Ion Ratio Lower Upper
168 100
99 45.0 41.8 62.6



#3
Chloromethane
Concen: 6.422 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 50 Resp: 392
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

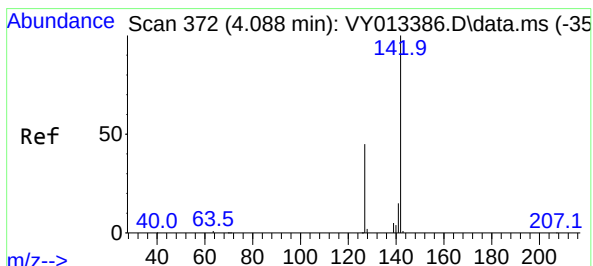
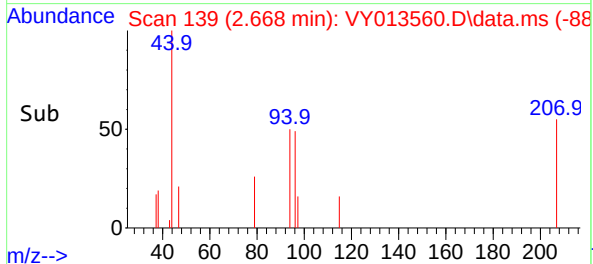
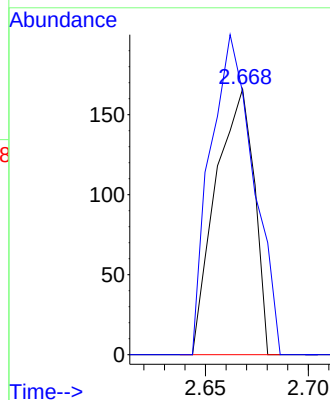
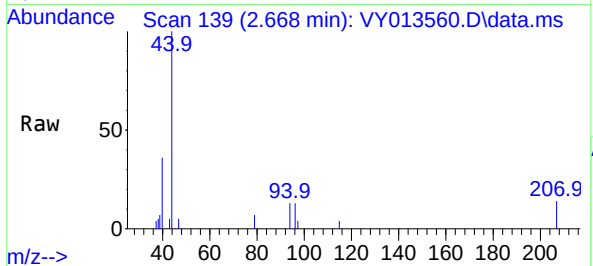




#5
Bromomethane
Concen: 4.460 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

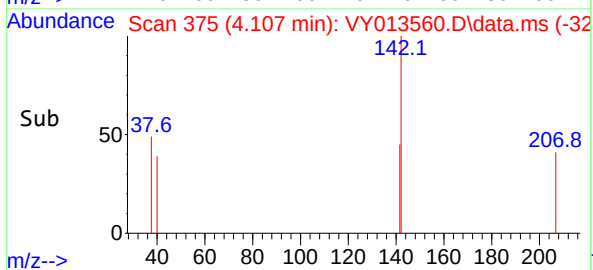
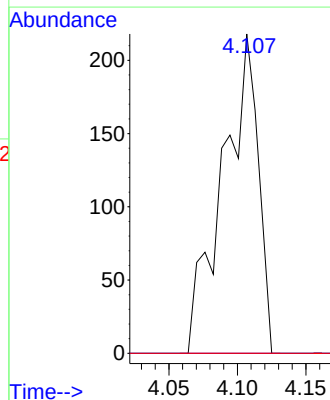
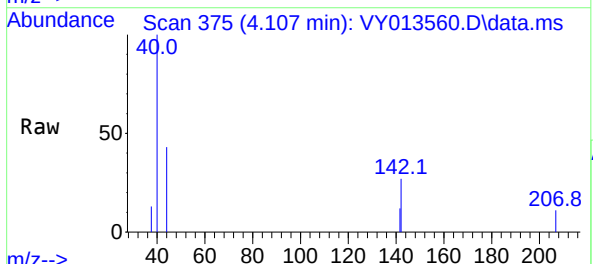
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

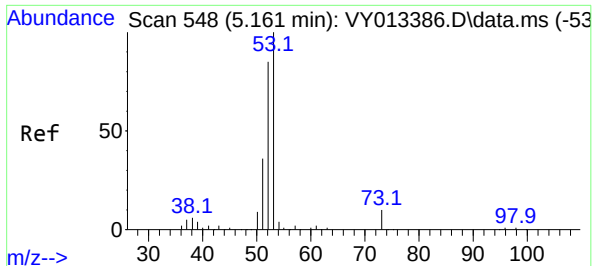
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 98.8 74.2 111.2



#10
Methyl Iodide
Concen: 6.059 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 142 Resp: 393
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

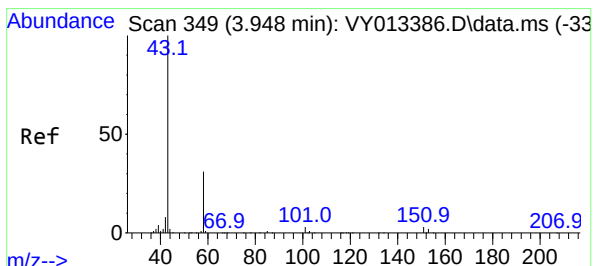
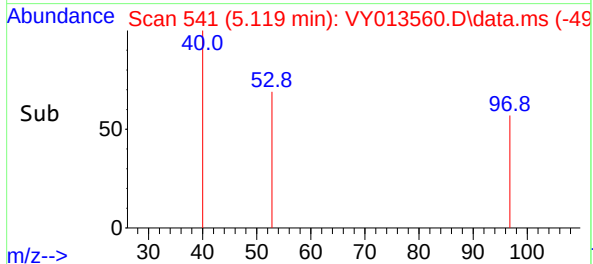
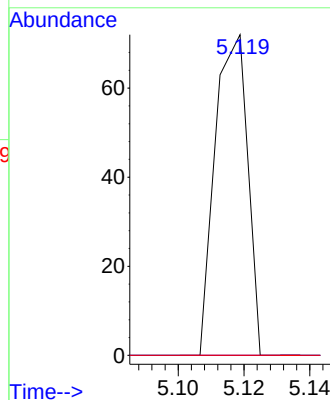
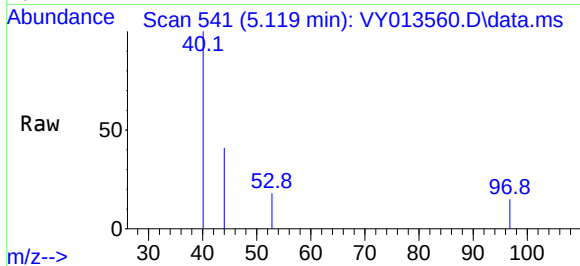




#15
Acrylonitrile
Concen: 2.791 ug/l
RT: 5.119 min Scan# 541
Delta R.T. -0.042 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

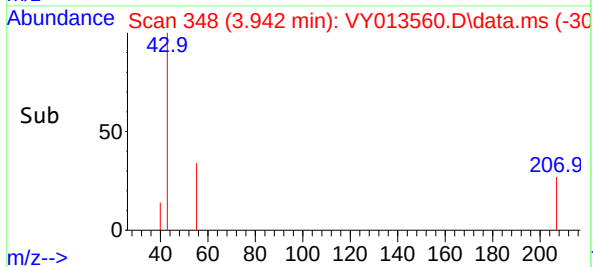
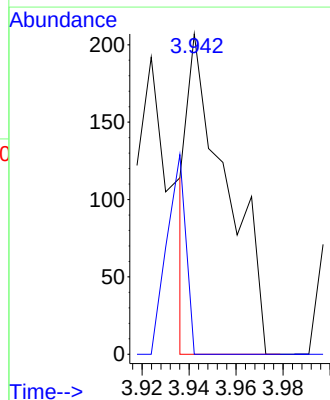
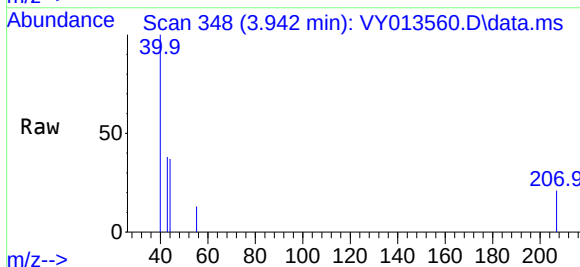
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

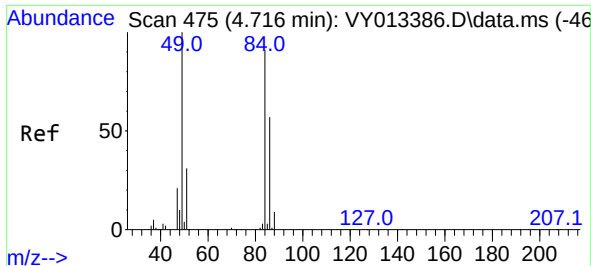
Tgt Ion: 53 Resp: 49
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 29.3 43.9#



#16
Acetone
Concen: 11.364 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



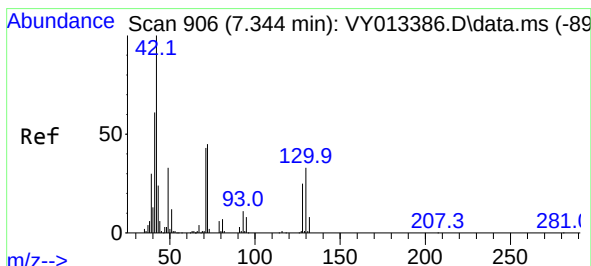
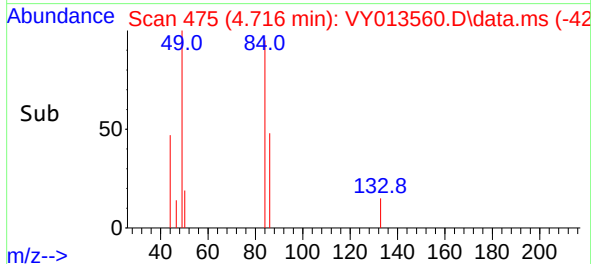
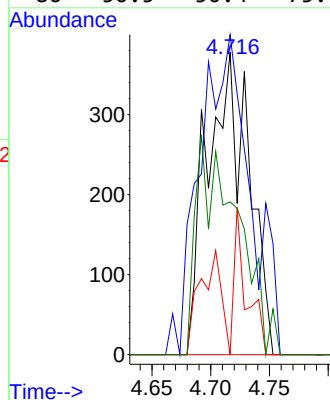
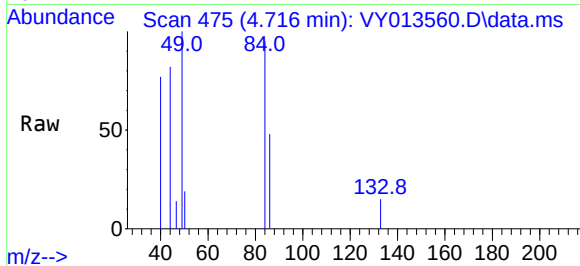


#20
Methylene Chloride
Concen: 7.531 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
72-11938

Tgt Ion: 84 Resp: 933

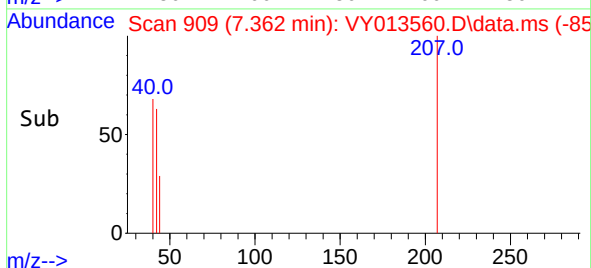
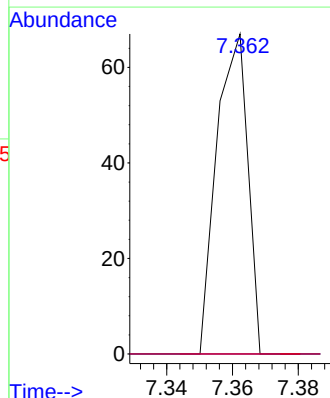
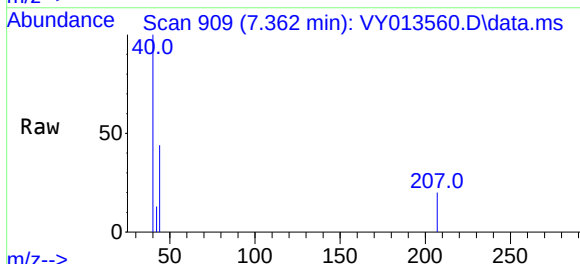
Ion	Ratio	Lower	Upper
84	100		
49	105.8	88.0	132.0
51	0.0	27.4	41.0#
86	50.5	50.4	75.6

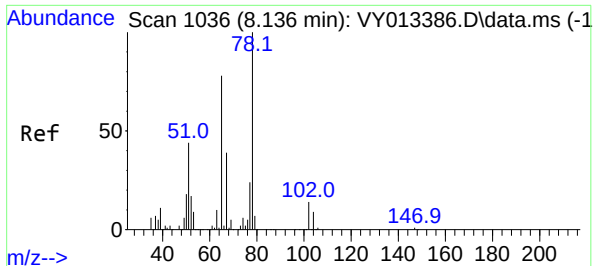


#29
Tetrahydrofuran
Concen: 2.695 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 42 Resp: 44

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#





#33

1,2-Dichloroethane-d4

Concen: 117.104 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013560.D

Acq: 02 May 2023 16:34

Instrument :

MSVOA_Y

ClientSampleId :

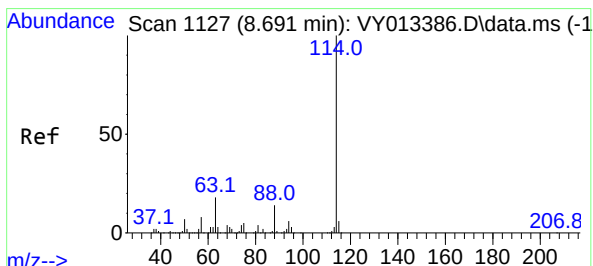
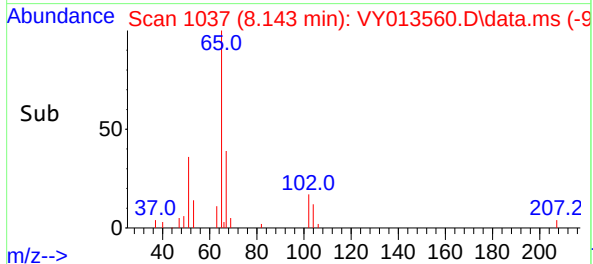
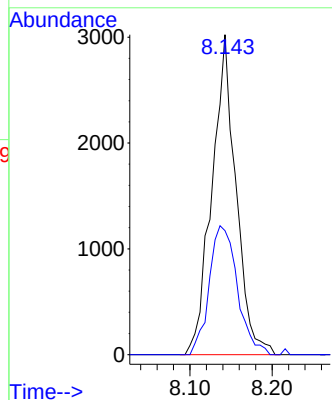
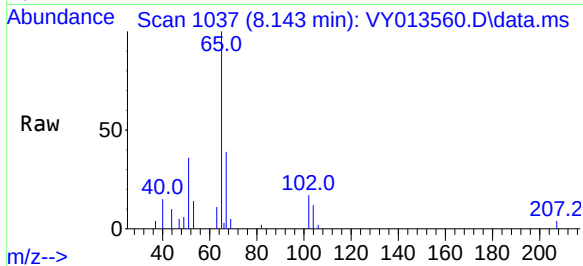
72-11938

Tgt Ion: 65 Resp: 6149

Ion Ratio Lower Upper

65 100

67 47.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013560.D

Acq: 02 May 2023 16:34

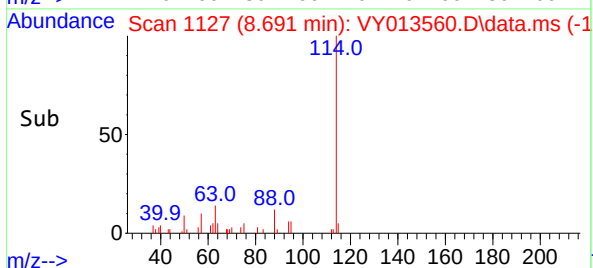
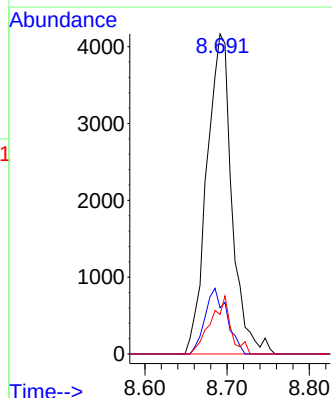
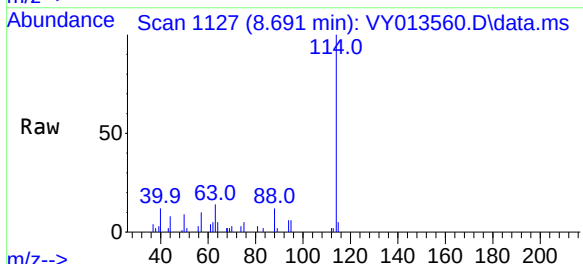
Tgt Ion: 114 Resp: 8841

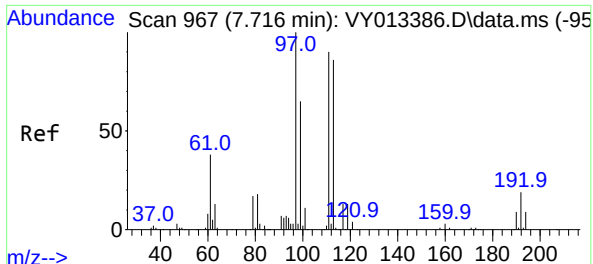
Ion Ratio Lower Upper

114 100

63 14.4 0.0 36.6

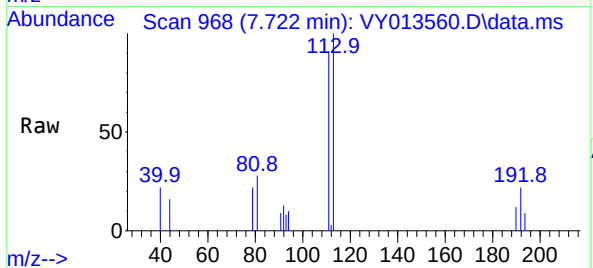
88 12.4 0.0 28.8



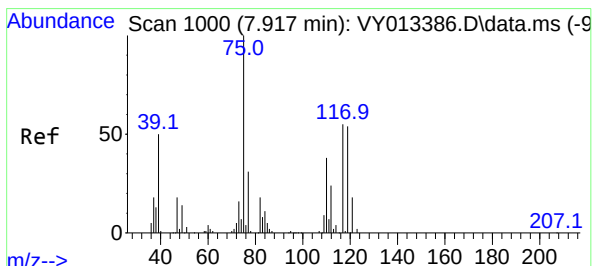
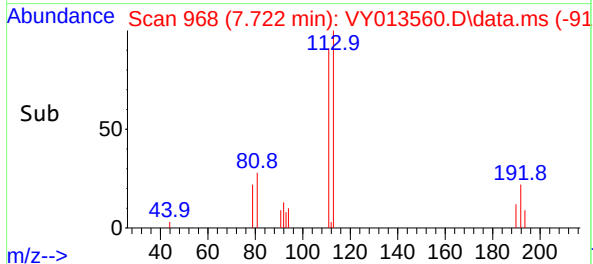
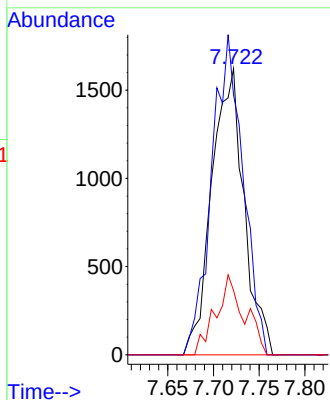


#35
Dibromofluoromethane
Concen: 71.557 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
72-11938

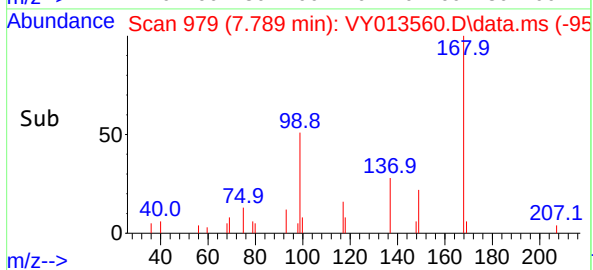
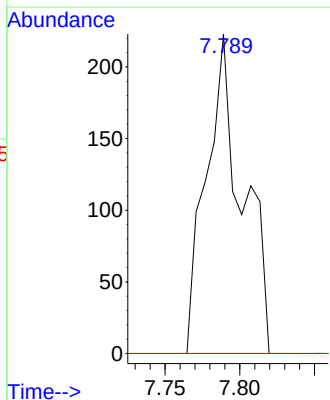
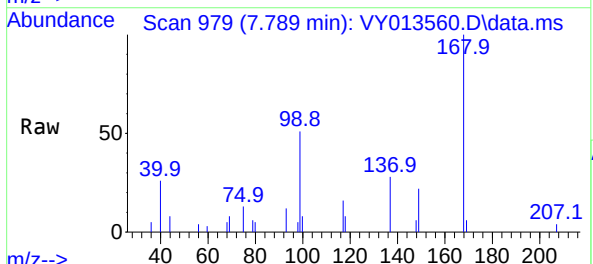


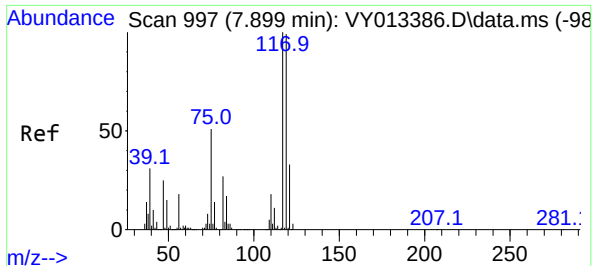
Tgt Ion:113 Resp: 3979
Ion Ratio Lower Upper
113 100
111 108.9 82.2 123.2
192 24.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.053 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 75 Resp: 374
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#

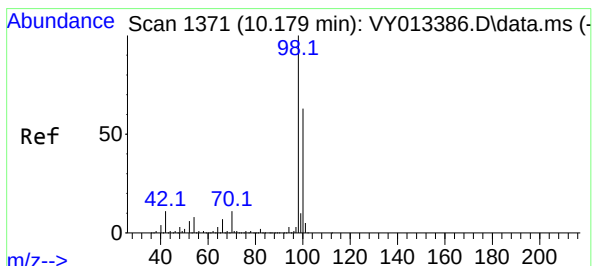
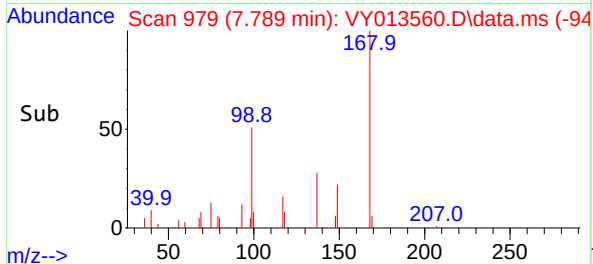
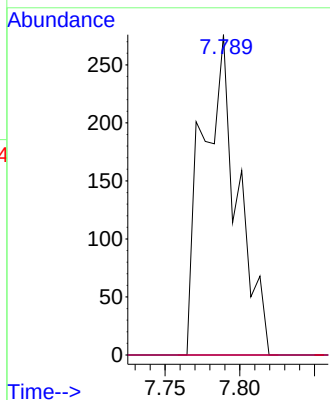
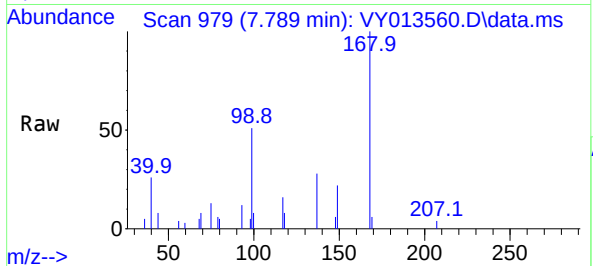




#38
Carbon Tetrachloride
Concen: 4.663 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

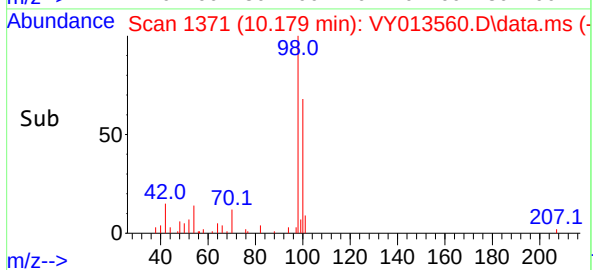
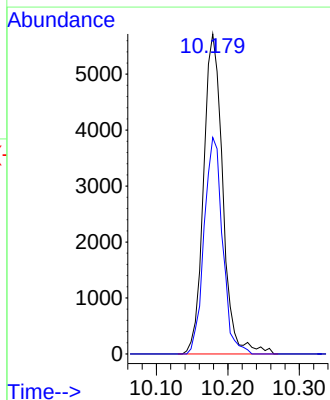
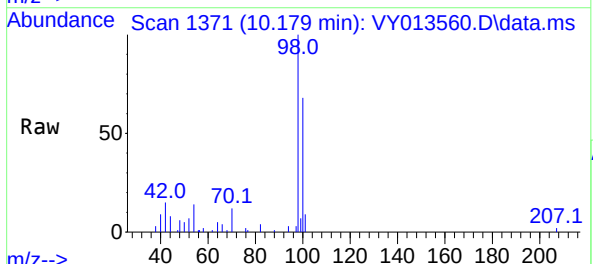
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

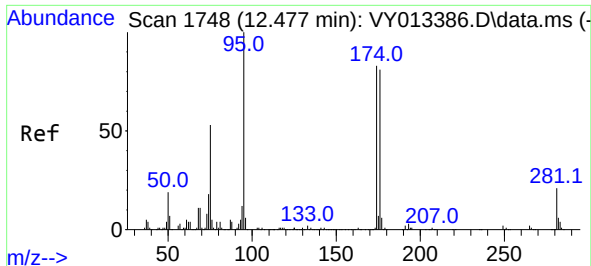
Tgt Ion:117 Resp: 451
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.904 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion: 98 Resp: 10663
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7

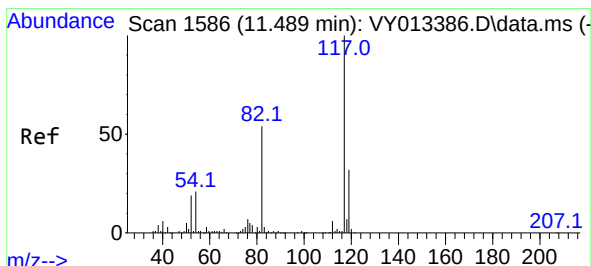
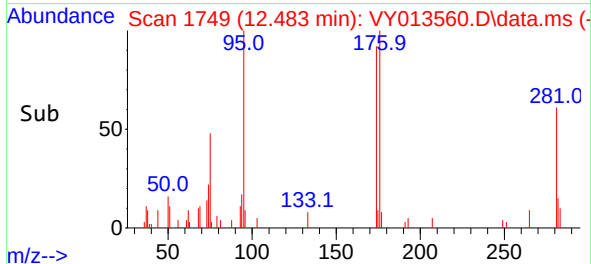
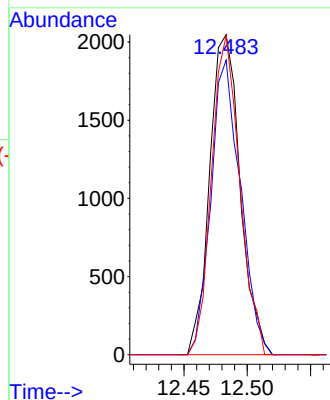
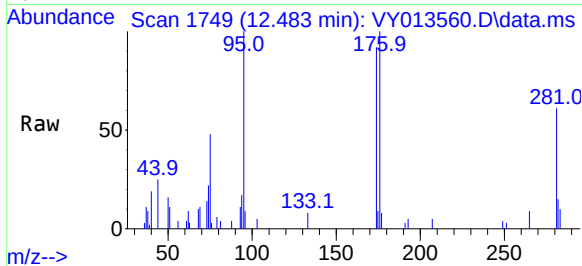




#62
4-Bromofluorobenzene
Concen: 51.329 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

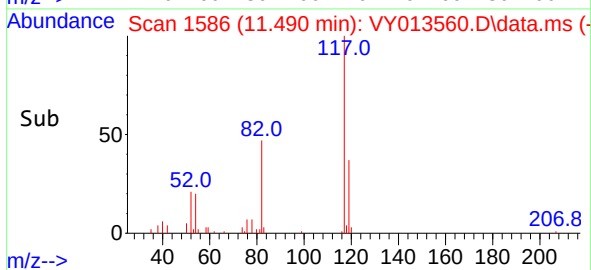
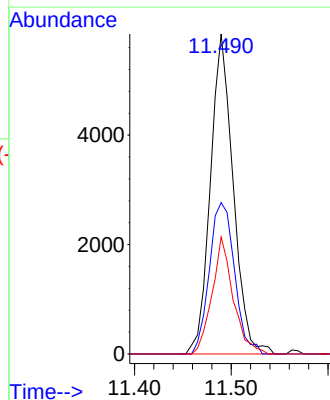
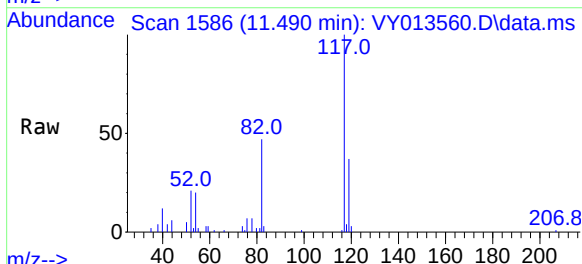
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

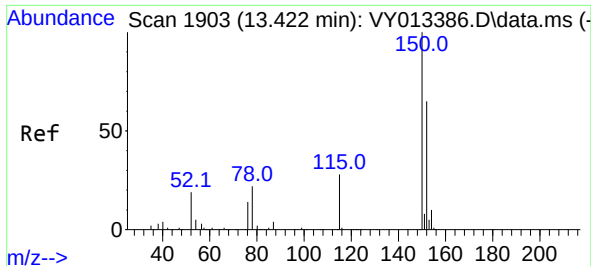
Tgt Ion:	95	Resp:	3423
Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	182.0
176	92.4	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Tgt Ion:	117	Resp:	9575
Ion	Ratio	Lower	Upper
117	100		
82	47.3	43.0	64.6
119	36.6	25.5	38.3

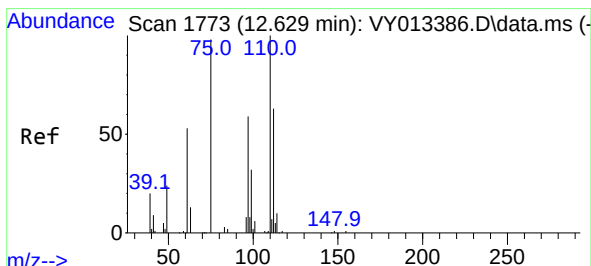
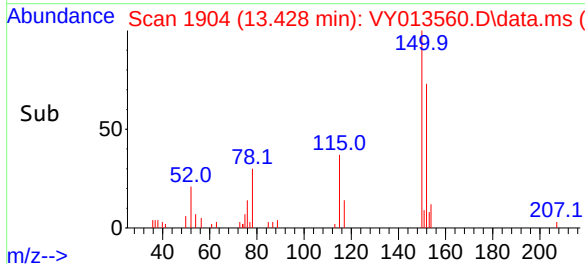
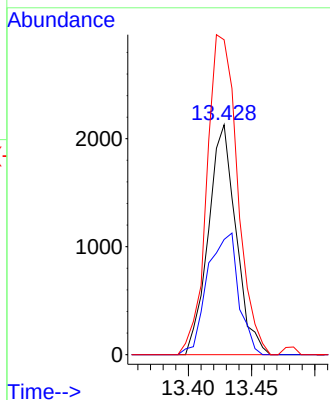
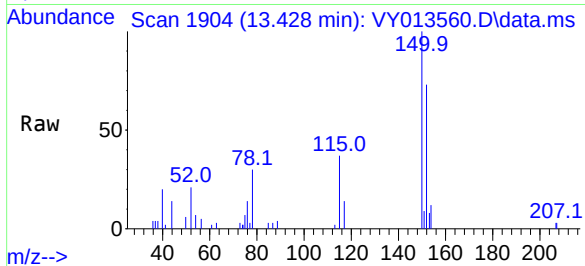




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

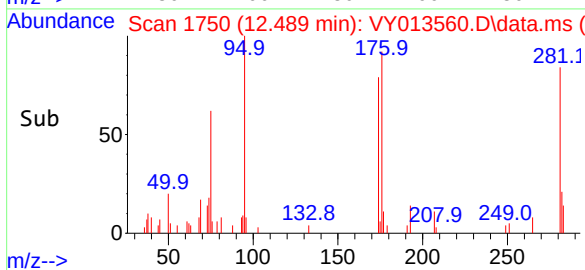
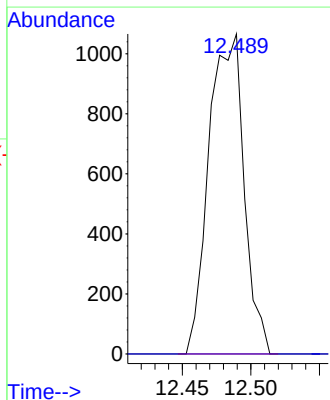
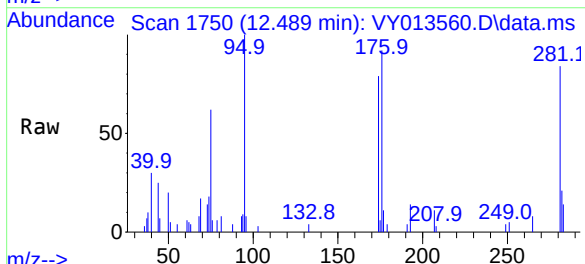
Instrument :
MSVOA_Y
ClientSampleId :
72-11938

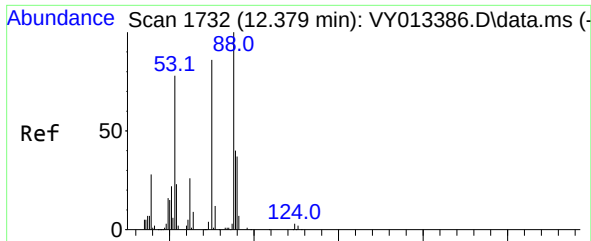
Tgt Ion:152 Resp: 3241
Ion Ratio Lower Upper
152 100
115 59.4 28.1 84.2
150 154.1 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 43.378 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

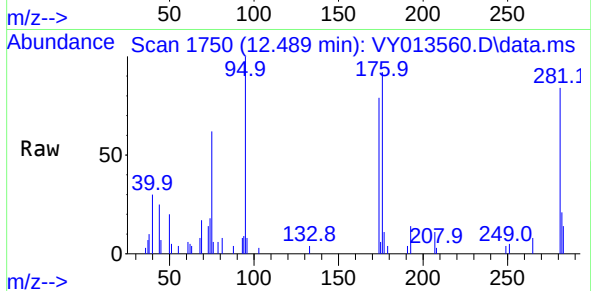
Tgt Ion: 75 Resp: 1896
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 88.732 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY013560.D
Acq: 02 May 2023 16:34

Instrument :
MSVOA_Y
ClientSampleId :
72-11938



Tgt Ion: 75 Resp: 1896
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

