

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013603.D
 Acq On : 04 May 2023 16:26
 Operator : KP/MD
 Sample : 02605-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RC-1

Quant Time: May 05 01:00:23 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)

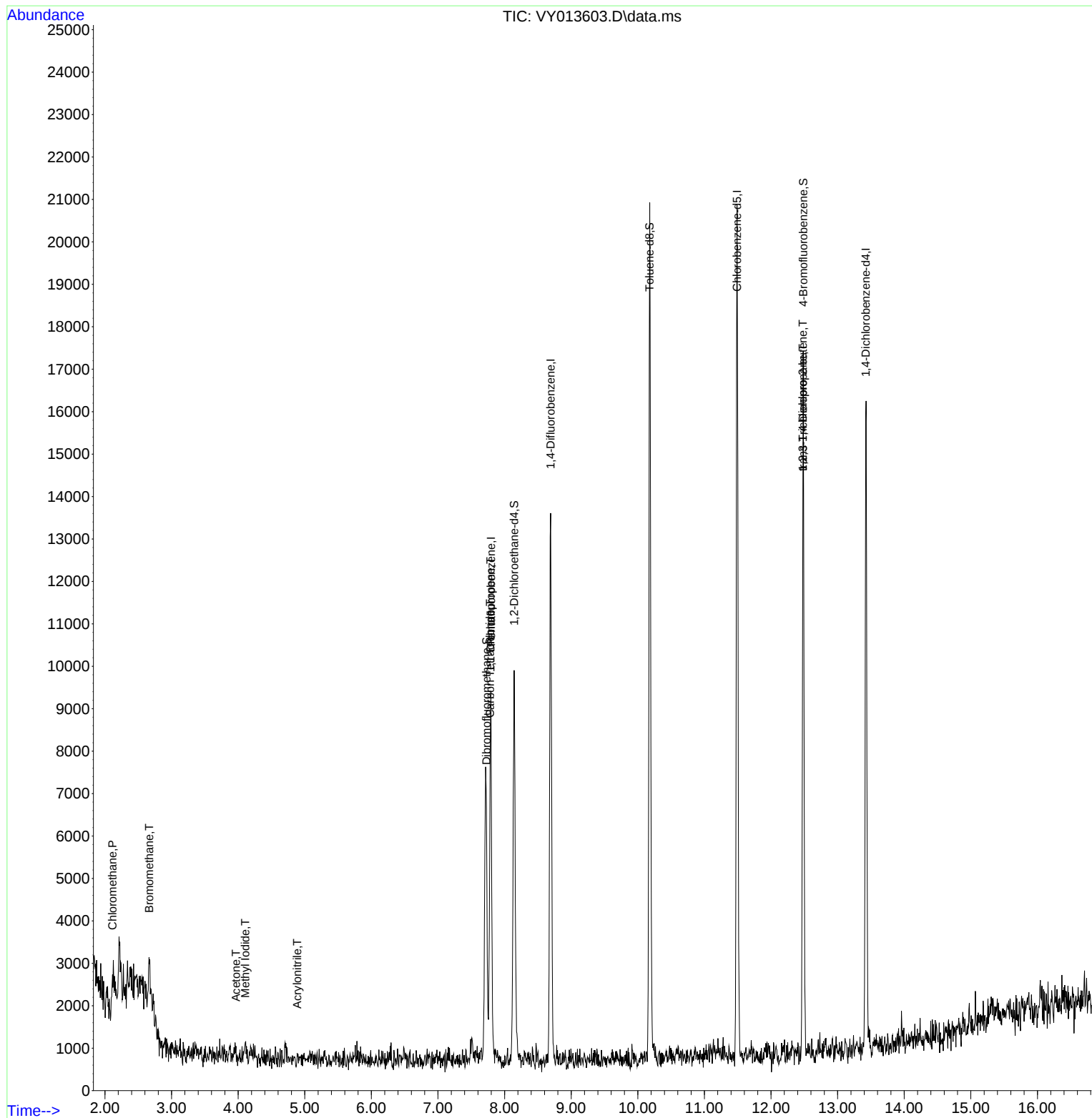
Internal Standards						
1) Pentafluorobenzene	7.795	168	6893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	11011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7945	105.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 210.280%#	
35) Dibromofluoromethane	7.728	113	4886	70.552	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.100%	
50) Toluene-d8	10.179	98	13721	55.694	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.380%	
62) 4-Bromofluorobenzene	12.483	95	4699	56.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.160%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	463	5.271	ug/l	93
5) Bromomethane	2.662	94	279	4.003	ug/l #	58
10) Methyl Iodide	4.107	142	530	5.678	ug/l #	58
13) Acrolein	3.692	56	50	Below Cal	#	16
15) Acrylonitrile	4.887	53	31	1.227	ug/l #	18
16) Acetone	3.966	43	385	12.938	ug/l	90
20) Methylene Chloride	4.722	84	184	Below Cal	#	68
36) 1,1-Dichloropropene	7.789	75	402	3.498	ug/l #	40
38) Carbon Tetrachloride	7.783	117	597	4.956	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	2317	40.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2317	83.062	ug/l #	12

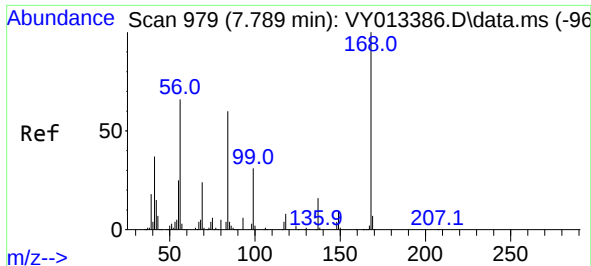
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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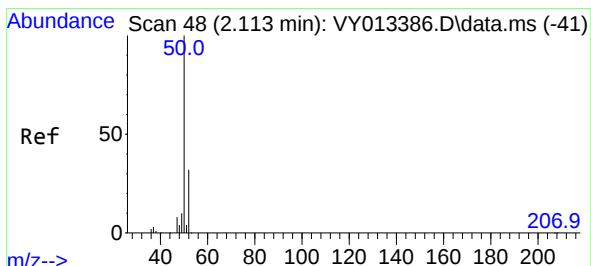
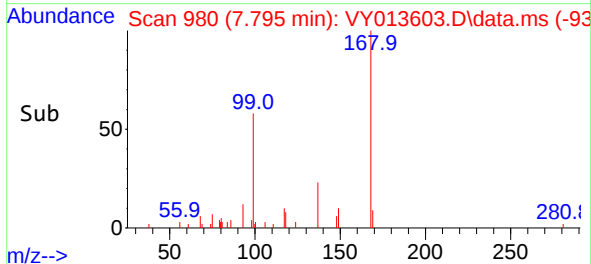
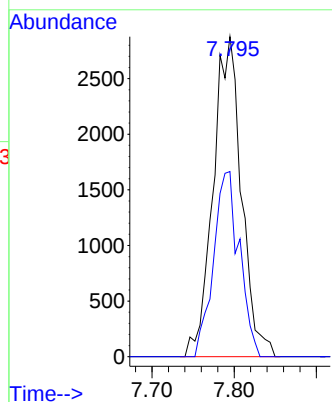
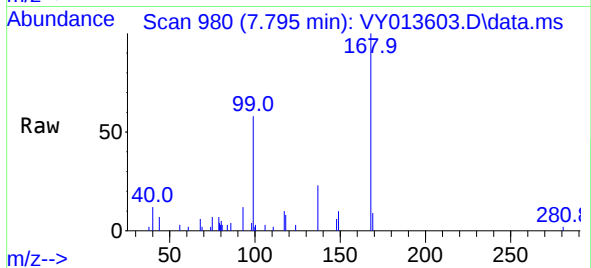




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

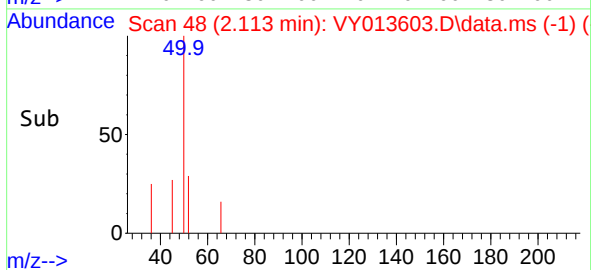
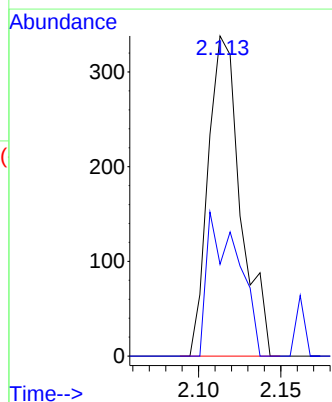
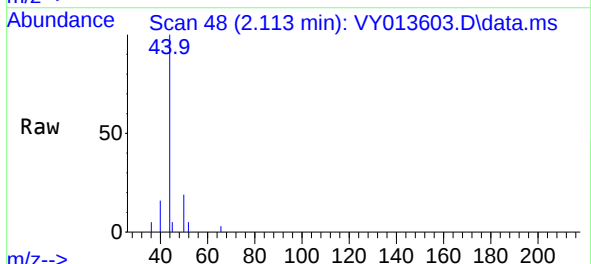
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

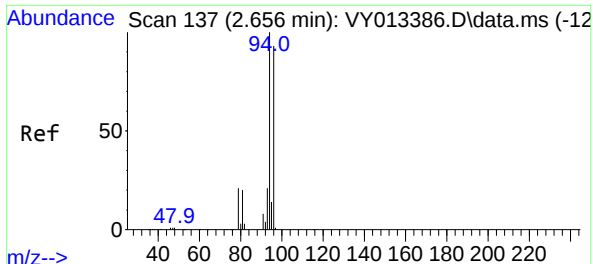
Tgt Ion:168 Resp: 6893
Ion Ratio Lower Upper
168 100
99 57.9 41.8 62.6



#3
Chloromethane
Concen: 5.271 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 28.7 25.9 38.9

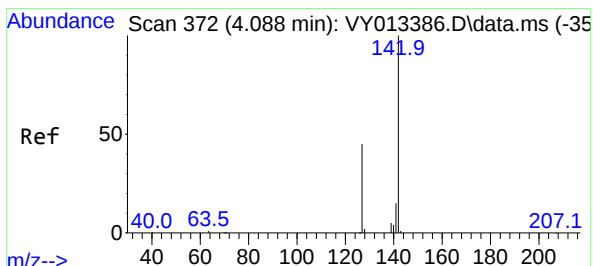
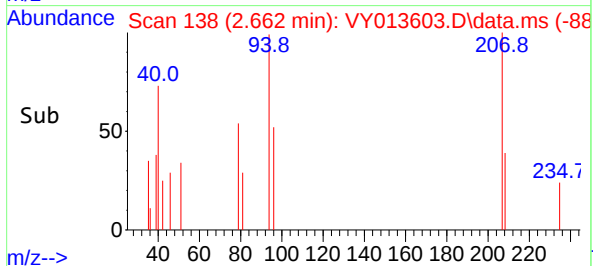
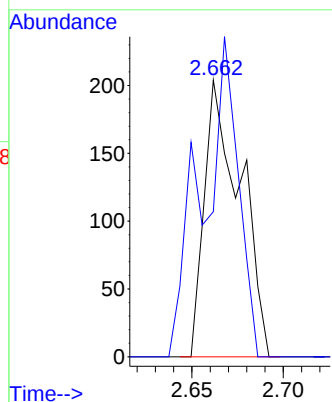
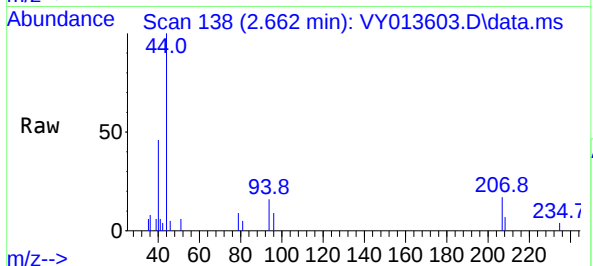




#5
Bromomethane
Concen: 4.003 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

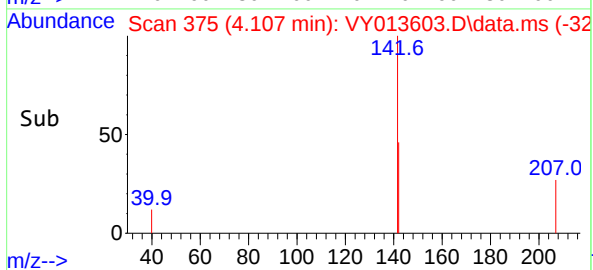
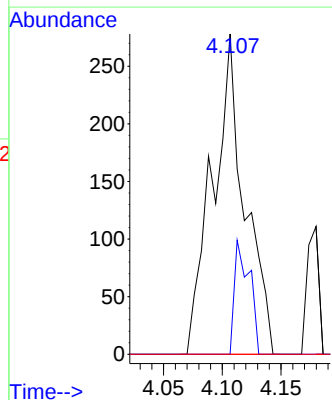
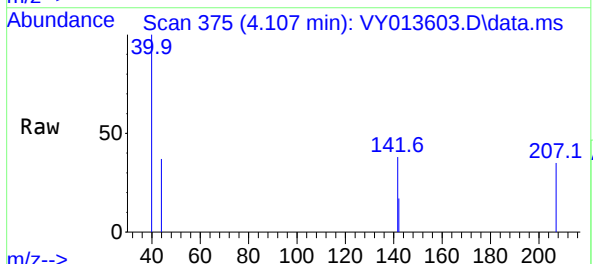
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

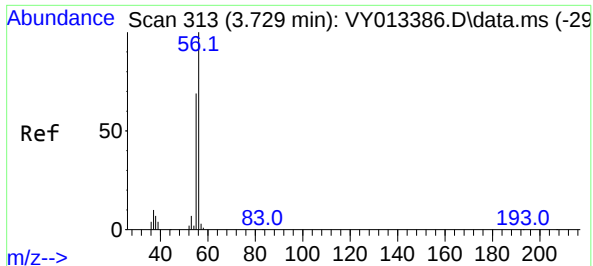
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 52.5 74.2 111.2#



#10
Methyl Iodide
Concen: 5.678 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion: 142 Resp: 530
Ion Ratio Lower Upper
142 100
127 16.4 36.1 54.1#
141 0.0 11.6 17.4#

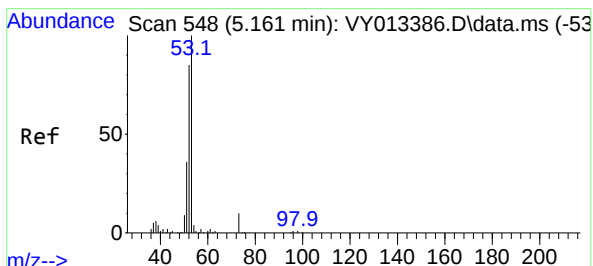
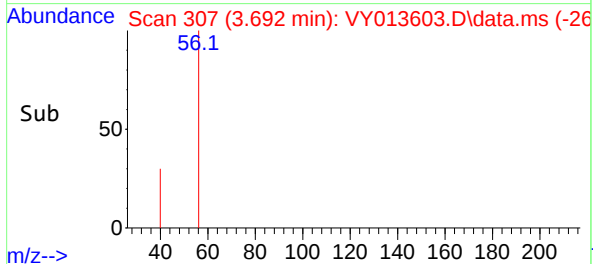
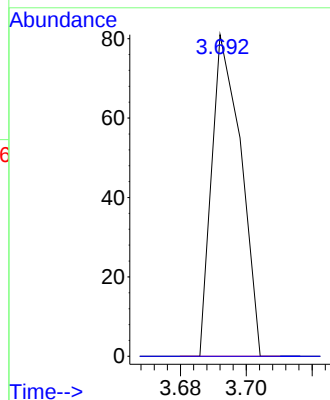
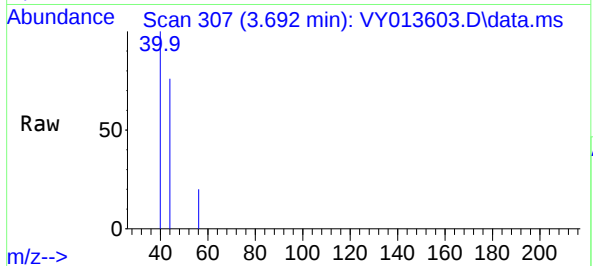




#13
Acrolein
Concen: Below Cal
RT: 3.692 min Scan# 307
Delta R.T. -0.037 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

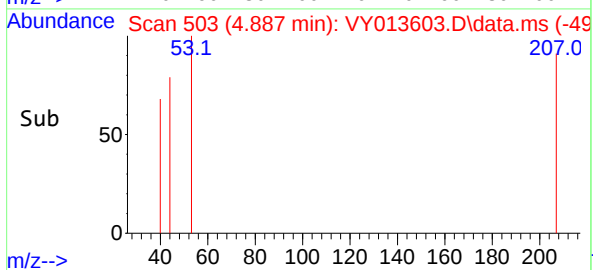
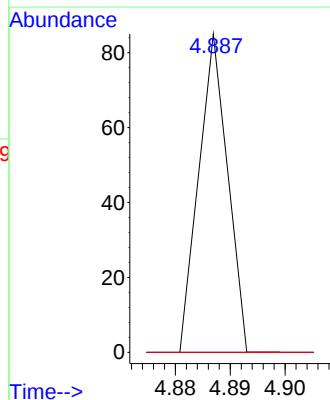
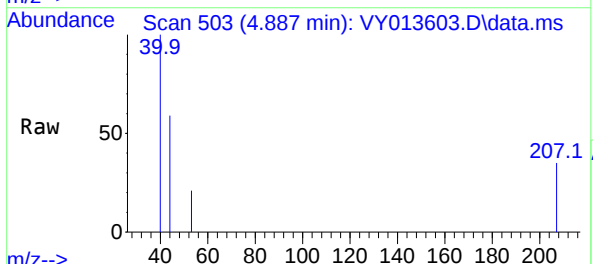
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

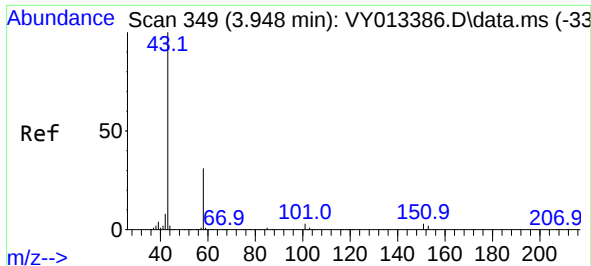
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#15
Acrylonitrile
Concen: 1.227 ug/l
RT: 4.887 min Scan# 503
Delta R.T. -0.274 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion: 53 Resp: 31
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 29.3 43.9#

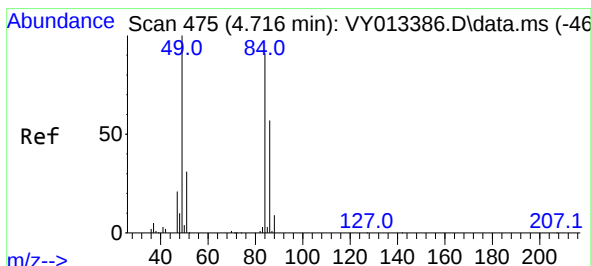
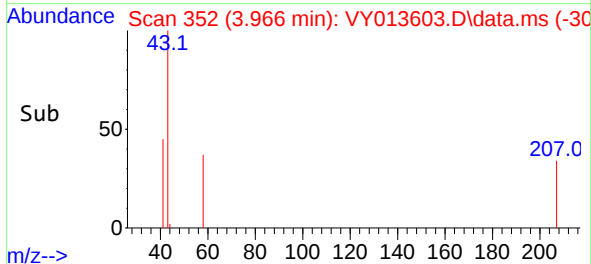
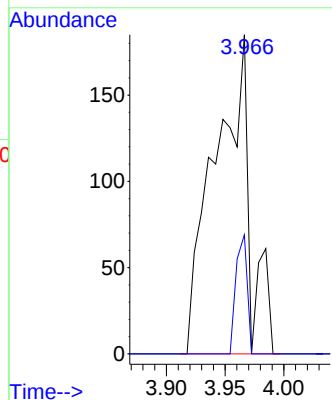
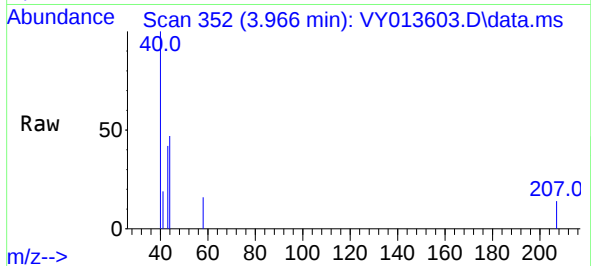




#16
Acetone
Concen: 12.938 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

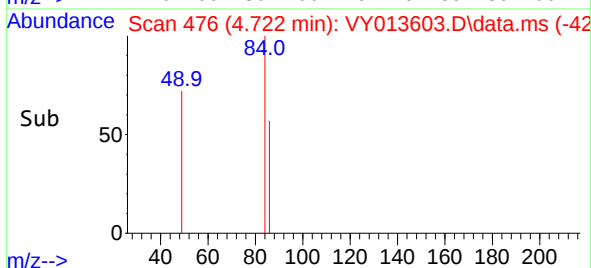
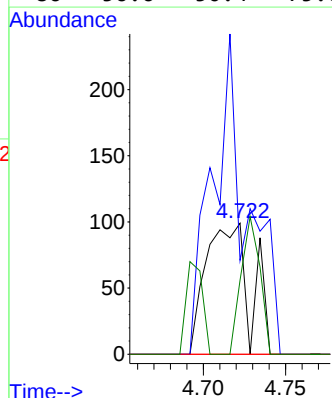
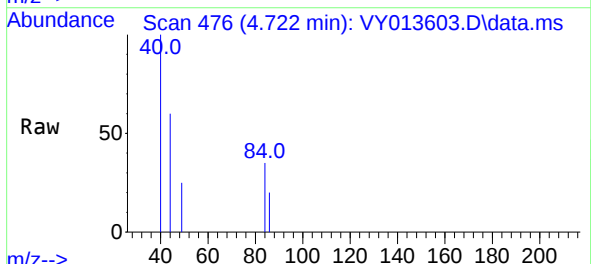
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

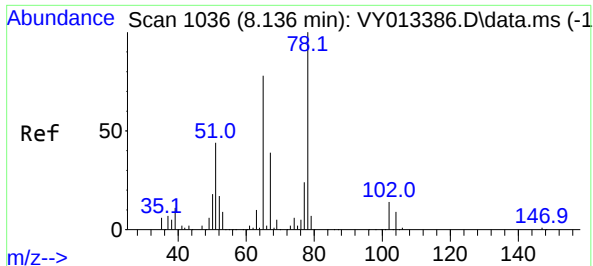
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 37.3 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion: 84 Resp: 184
Ion Ratio Lower Upper
84 100
49 71.7 88.0 132.0#
51 0.0 27.4 41.0#
86 56.6 50.4 75.6





#33

1,2-Dichloroethane-d4

Concen: 105.145 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013603.D

Acq: 04 May 2023 16:26

Instrument :

MSVOA_Y

ClientSampleId :

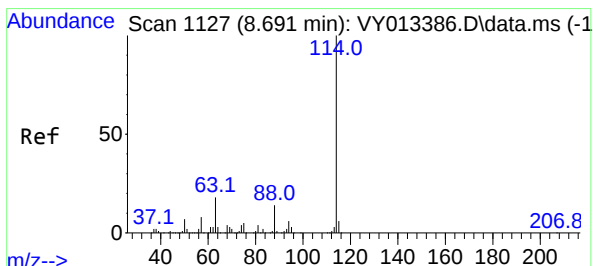
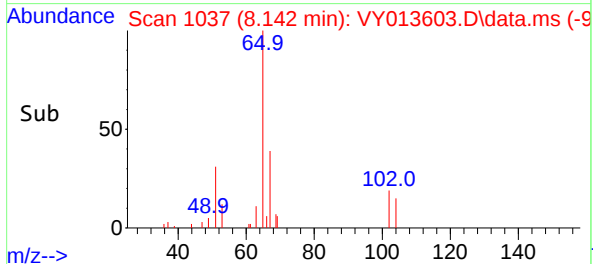
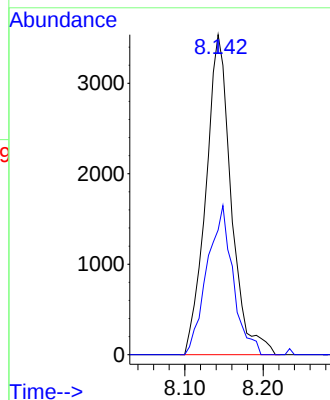
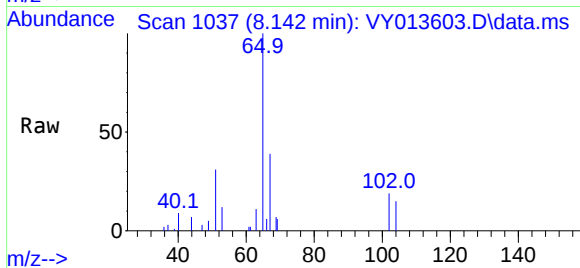
RC-1

Tgt Ion: 65 Resp: 7945

Ion Ratio Lower Upper

65 100

67 47.7 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: VY013603.D

Acq: 04 May 2023 16:26

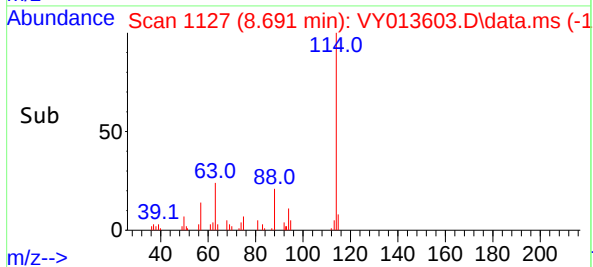
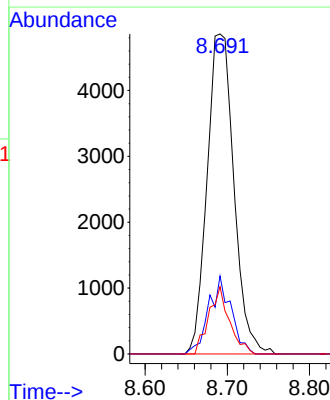
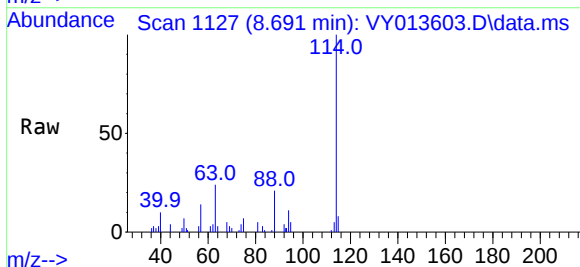
Tgt Ion: 114 Resp: 11011

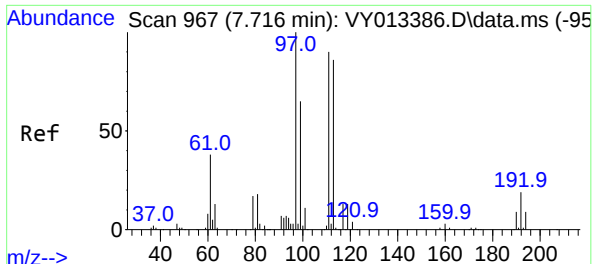
Ion Ratio Lower Upper

114 100

63 24.4 0.0 36.6

88 21.0 0.0 28.8

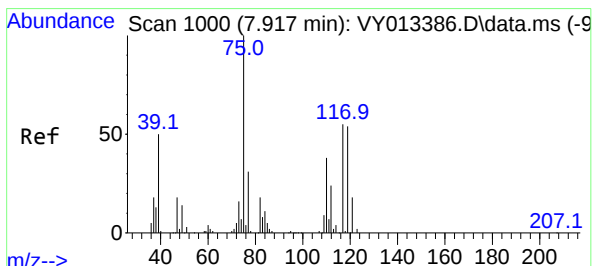
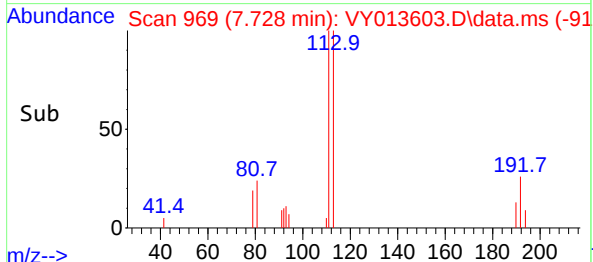
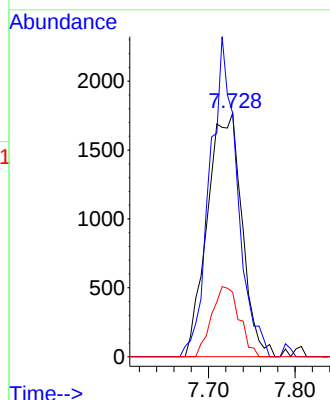
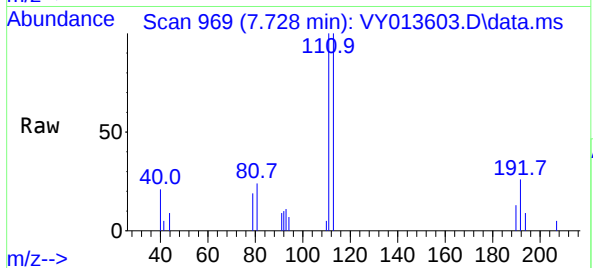




#35
Dibromofluoromethane
Concen: 70.552 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

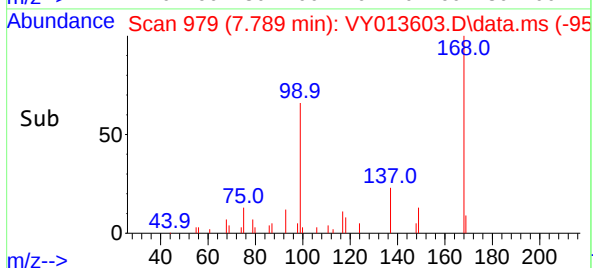
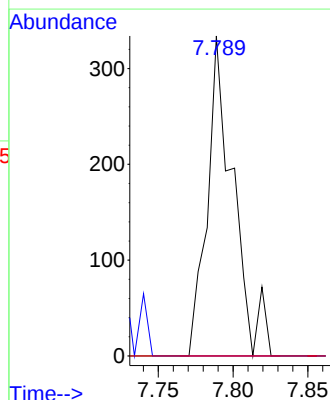
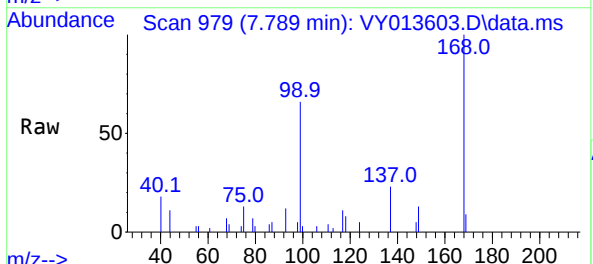
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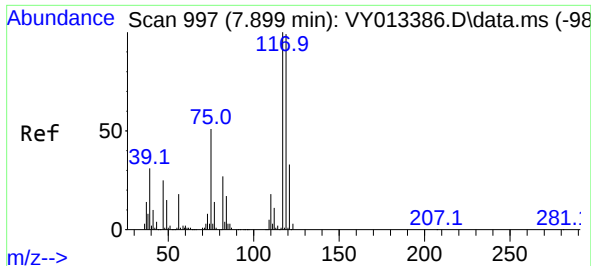
Tgt Ion:	113	Resp:	4886
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.2
192	23.1	16.7	25.1



#36
1,1-Dichloropropene
Concen: 3.498 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion:	75	Resp:	402
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.7	56.1#
77	0.0	24.6	37.0#

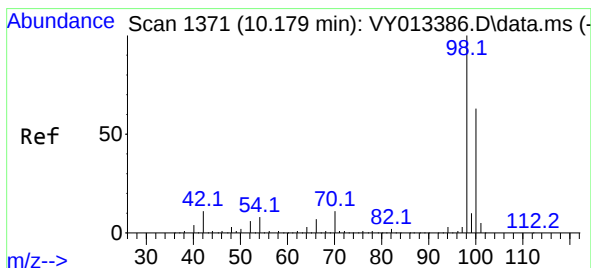
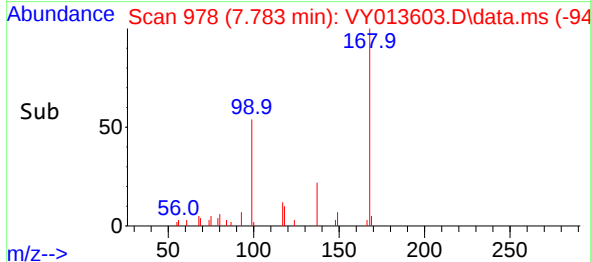
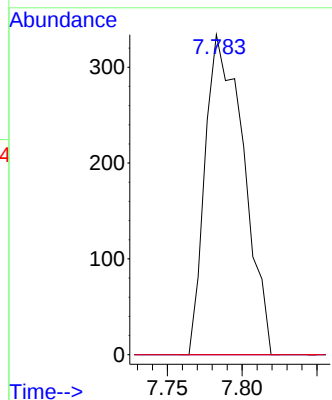
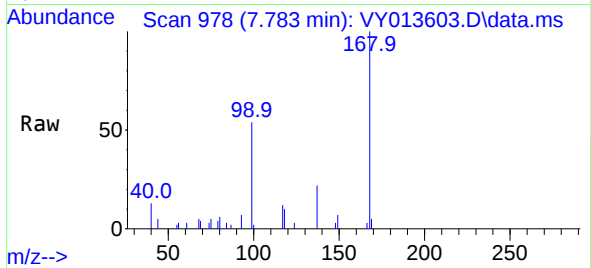




#38
Carbon Tetrachloride
Concen: 4.956 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

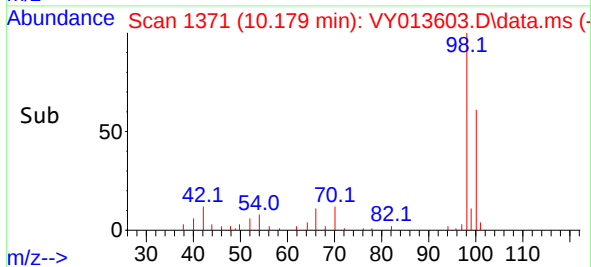
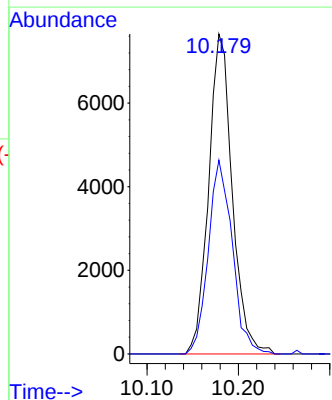
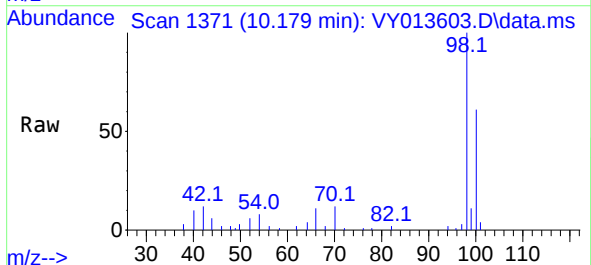
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

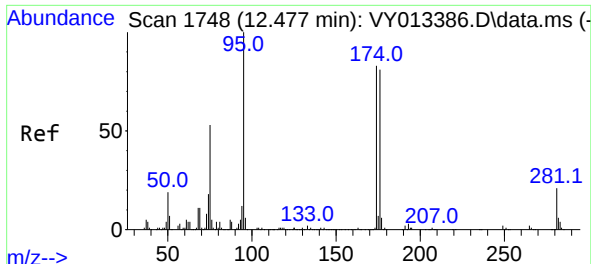
Tgt Ion:117 Resp: 597
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion: 98 Resp: 13721
Ion Ratio Lower Upper
98 100
100 61.5 50.5 75.7

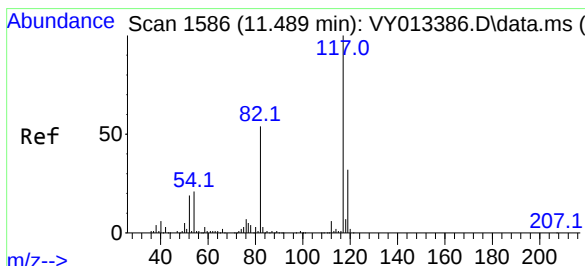
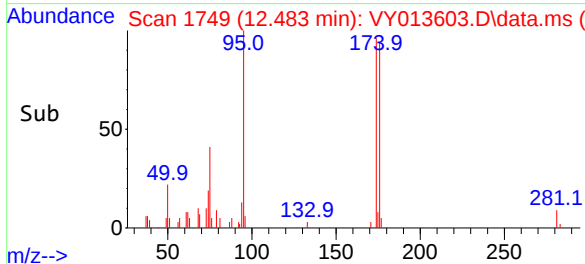
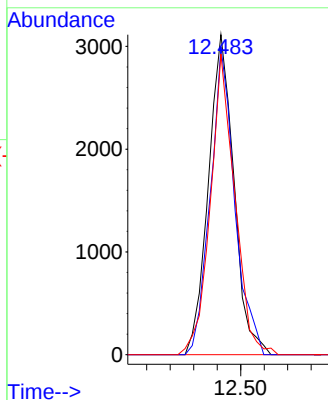
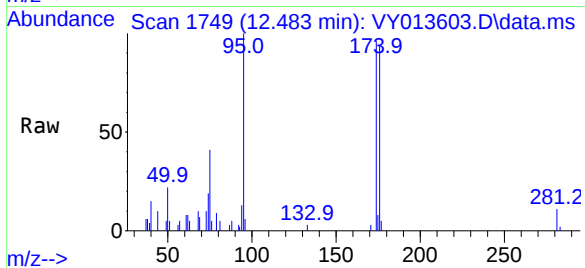




#62
4-Bromofluorobenzene
Concen: 56.576 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

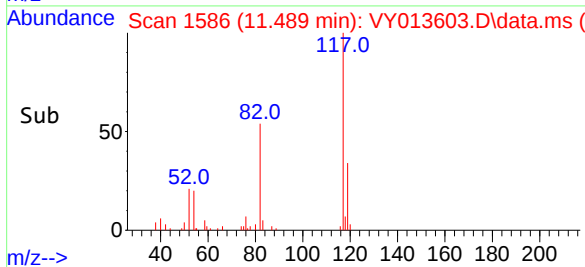
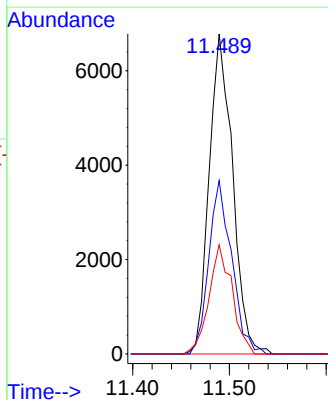
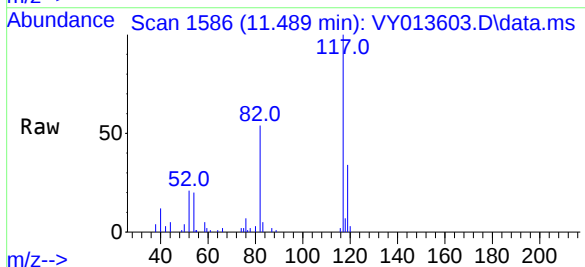
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

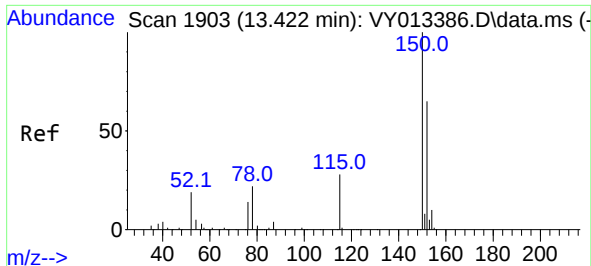
Tgt Ion:	95	Resp:	4699
Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	182.0
176	89.8	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Tgt Ion:	117	Resp:	11405
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.0	64.6
119	34.1	25.5	38.3

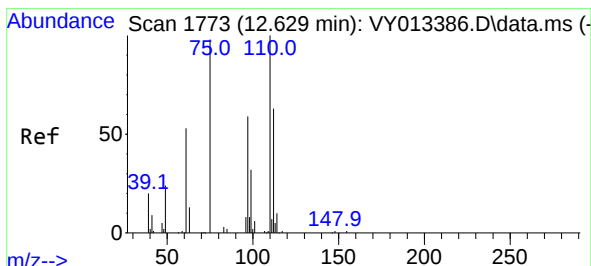
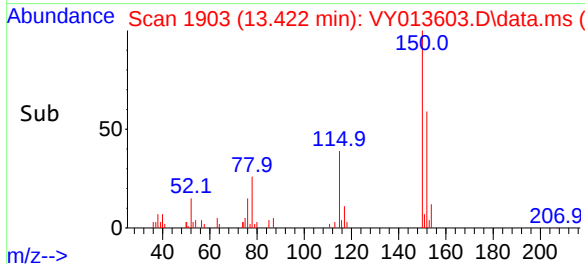
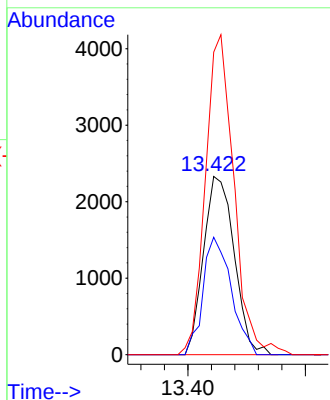
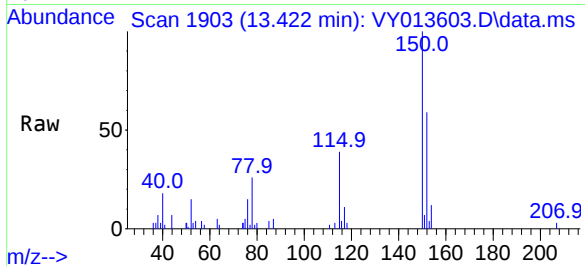




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

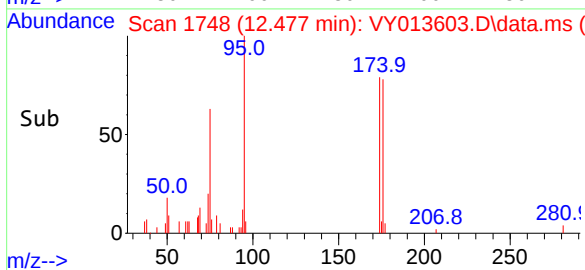
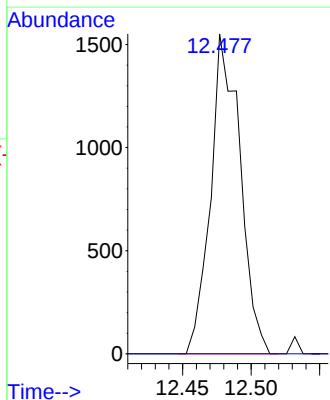
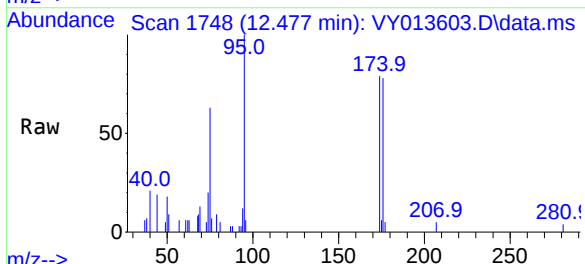
Instrument :
MSVOA_Y
ClientSampleId :
RC-1

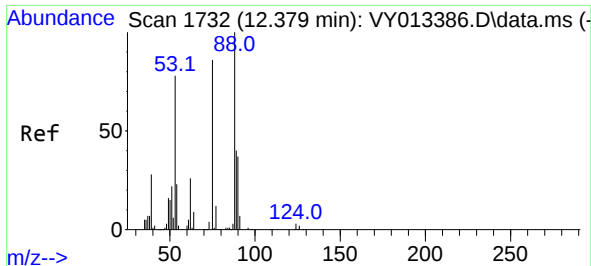
Tgt Ion:152 Resp: 4231
Ion Ratio Lower Upper
152 100
115 60.6 28.1 84.2
150 166.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 40.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

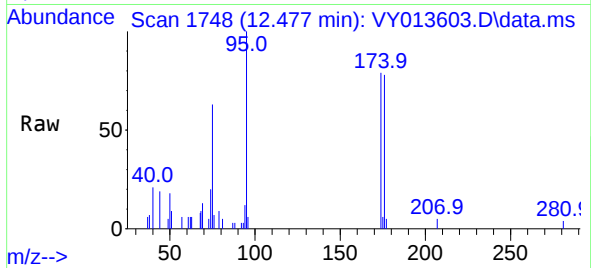
Tgt Ion: 75 Resp: 2317
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 83.062 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013603.D
Acq: 04 May 2023 16:26

Instrument :
MSVOA_Y
ClientSampleId :
RC-1



Tgt Ion: 75 Resp: 2317
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

