

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013450.D
 Acq On : 25 Apr 2023 16:39
 Operator : KP/MD
 Sample : 02467-01RE
 Misc : 6.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 279RE

Quant Time: Apr 26 02:51:48 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	7.789	168	165762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	206132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	74544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83560	45.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.716	113	81871	49.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.580%
50) Toluene-d8	10.179	98	305304	52.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.400%
62) 4-Bromofluorobenzene	12.477	95	83779	42.486	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	1218	6.586	ug/l #	89
13) Acrolein	3.704	56	22	Below Cal	#	16
16) Acetone	3.942	43	1227	1.715	ug/l	97
20) Methylene Chloride	4.716	84	10959	Below Cal		95
31) Cyclohexane	7.789	56	4089	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13123	4.809	ug/l #	48
38) Carbon Tetrachloride	7.783	117	16231	5.675	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	44078	43.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44078	89.687	ug/l #	13

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

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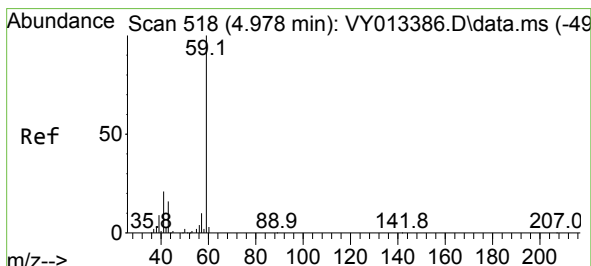
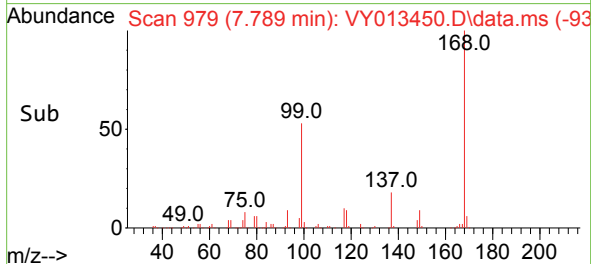
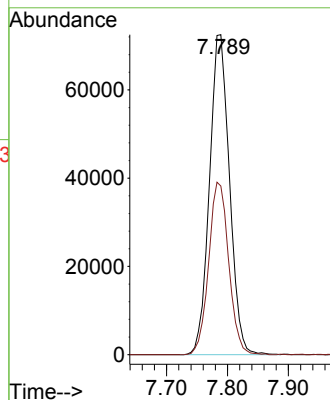
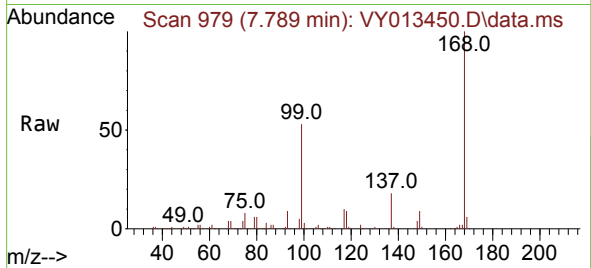




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

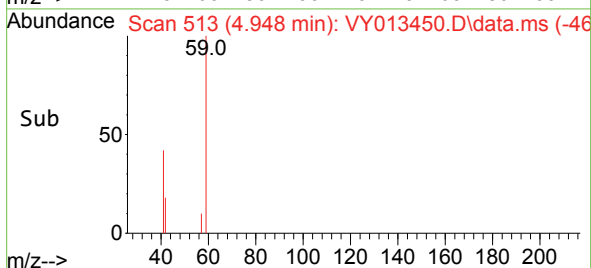
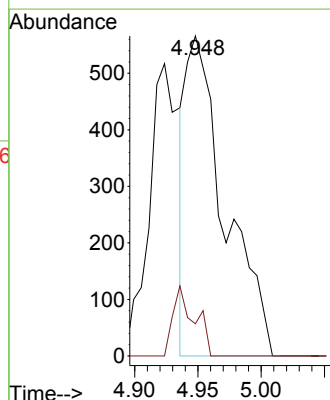
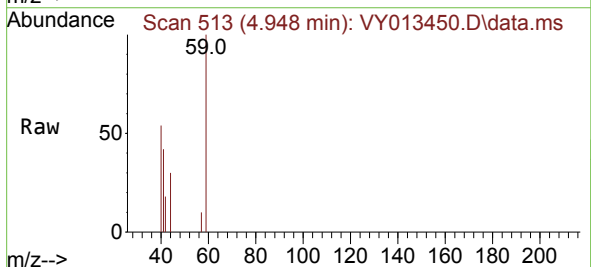
Instrument :
MSVOA_Y
ClientSampleId :
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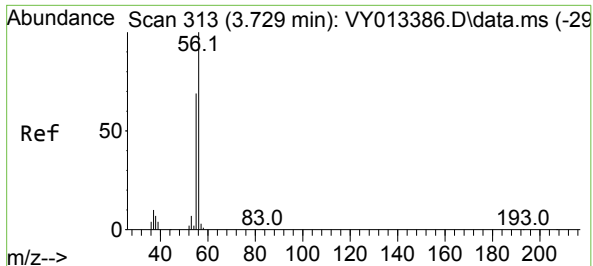
Tgt Ion:168 Resp: 165762
Ion Ratio Lower Upper
168 100
99 52.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 6.586 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion: 59 Resp: 1218
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

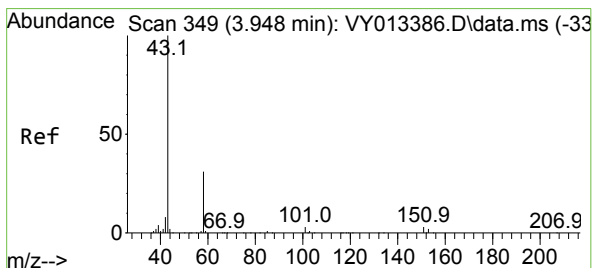
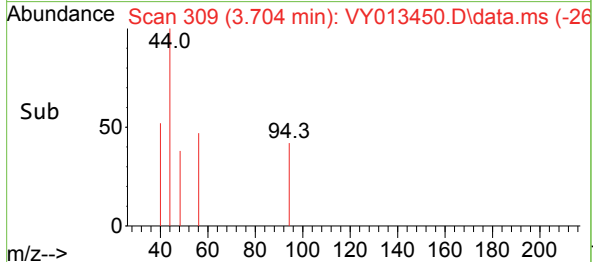
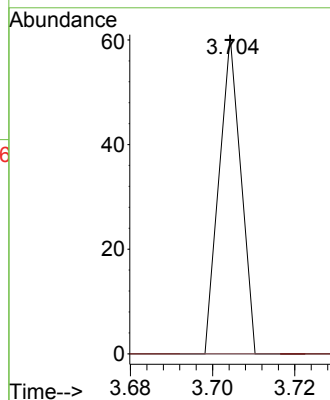
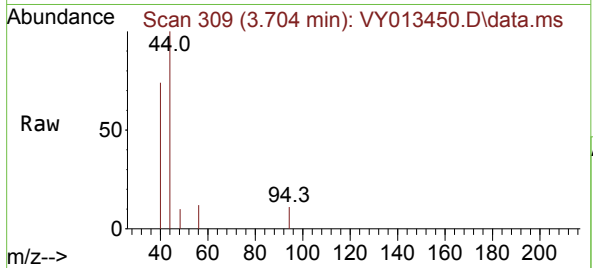




#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.025 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

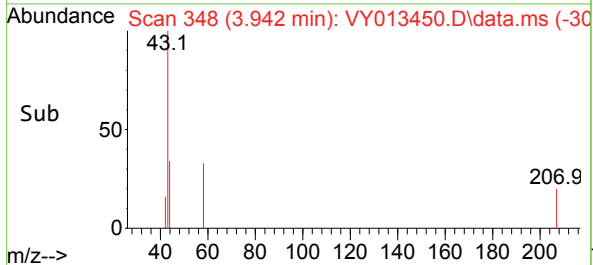
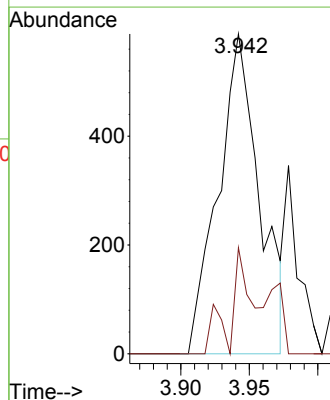
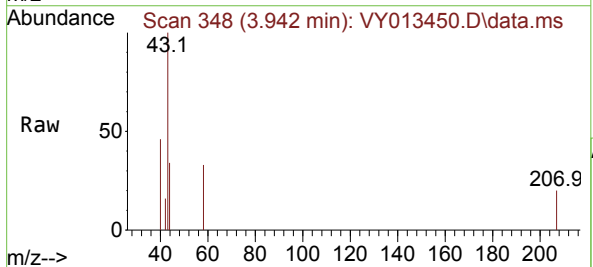
Instrument :
MSVOA_Y
ClientSampleId :
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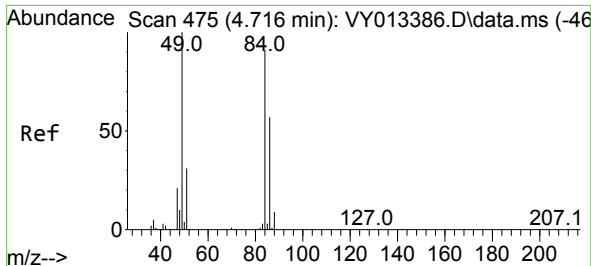
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 1.715 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
58 33.2 25.4 38.0

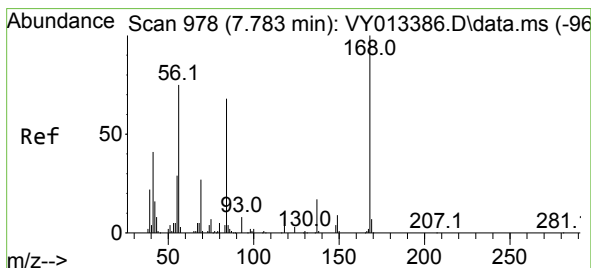
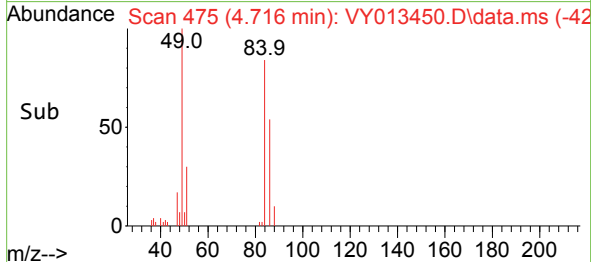
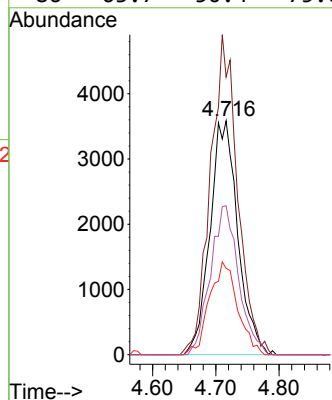
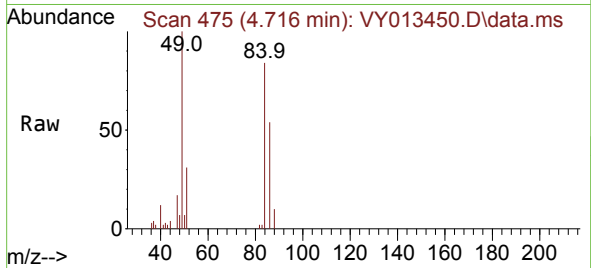




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

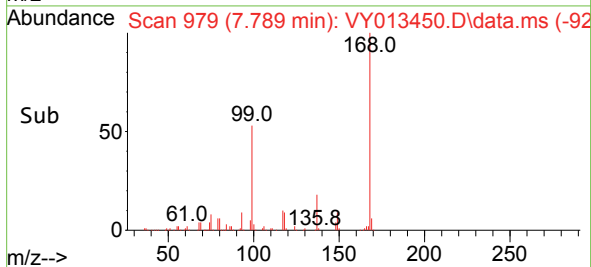
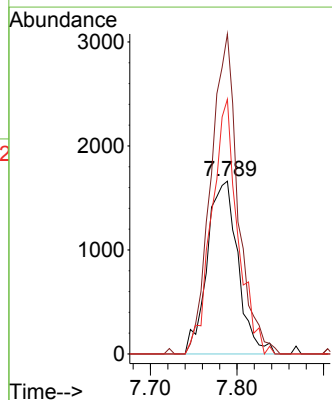
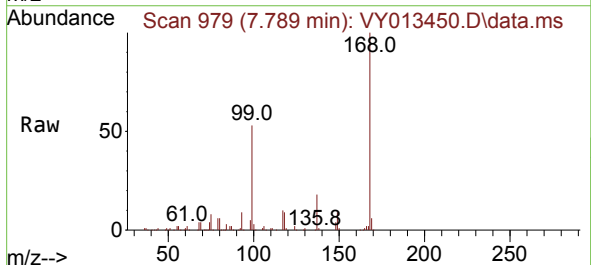
Instrument :
MSVOA_Y
ClientSampleId :
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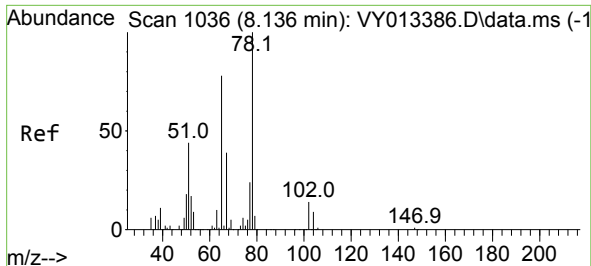
Tgt Ion:	84	Resp:	10959
Ion	Ratio	Lower	Upper
84	100		
49	118.7	88.0	132.0
51	36.9	27.4	41.0
86	63.7	50.4	75.6



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion:	56	Resp:	4089
Ion	Ratio	Lower	Upper
56	100		
69	185.2	29.2	43.8#
84	147.5	73.0	109.6#

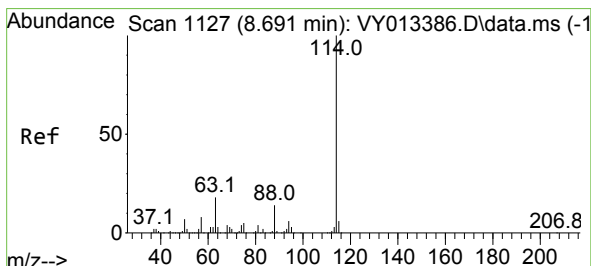
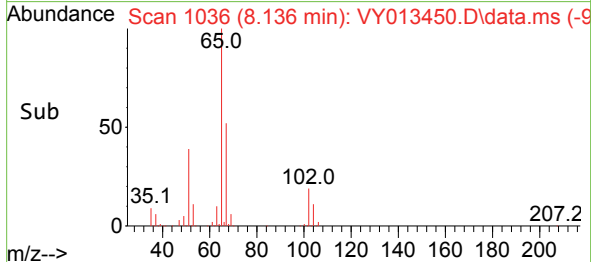
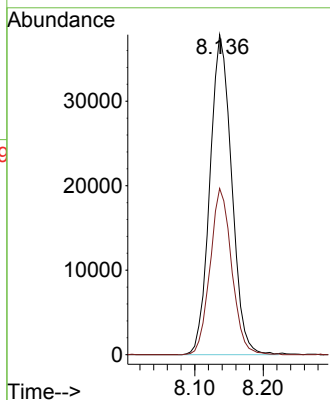
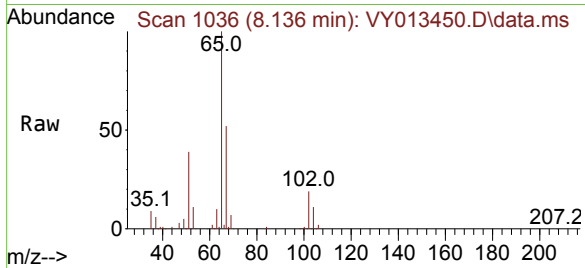




#33
 1,2-Dichloroethane-d4
 Concen: 45.985 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY013450.D
 Acq: 25 Apr 2023 16:39

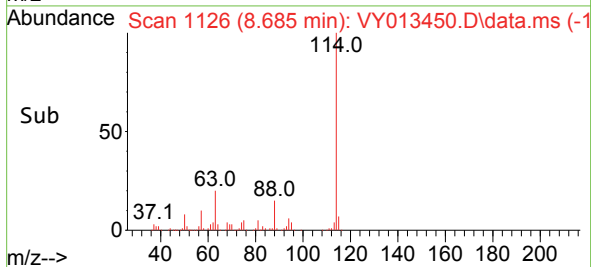
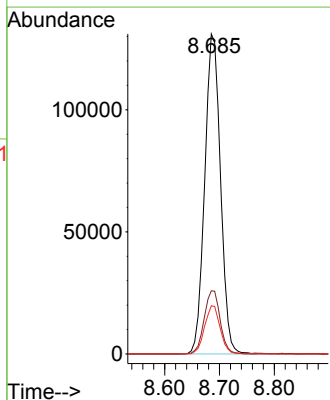
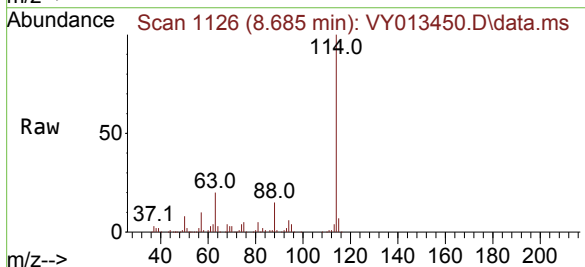
Instrument :
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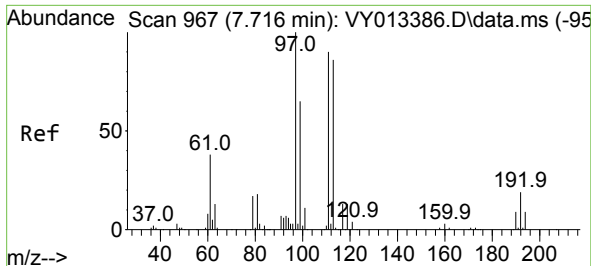
Tgt Ion: 65 Resp: 83560
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013450.D
 Acq: 25 Apr 2023 16:39

Tgt Ion: 114 Resp: 261426
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 36.6
 88 15.1 0.0 28.8

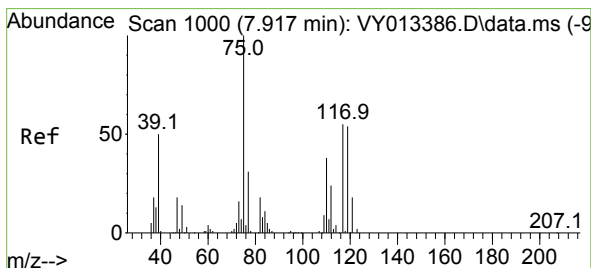
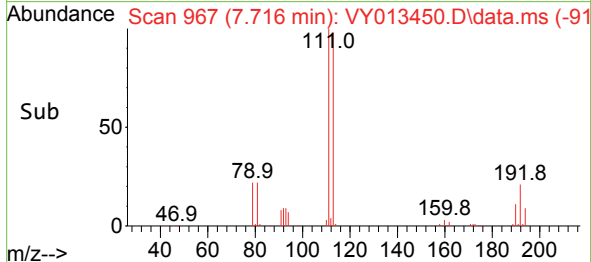
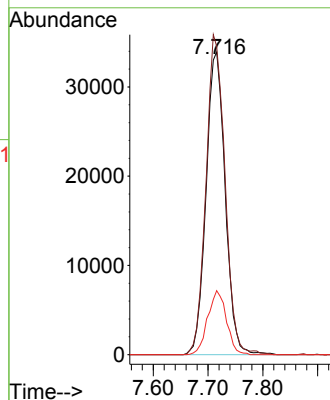
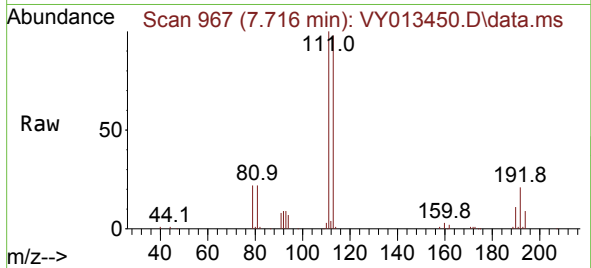




#35
Dibromofluoromethane
Concen: 49.792 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

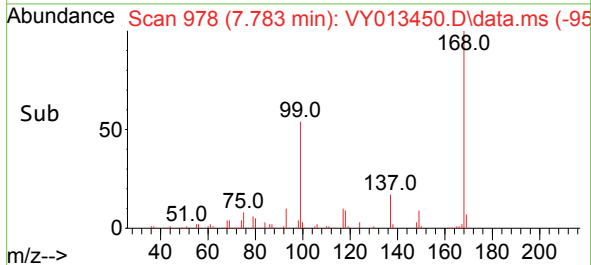
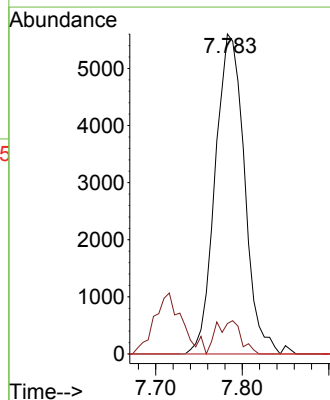
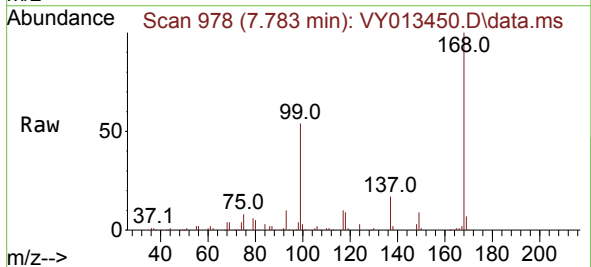
Instrument :
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ClientSampleId :
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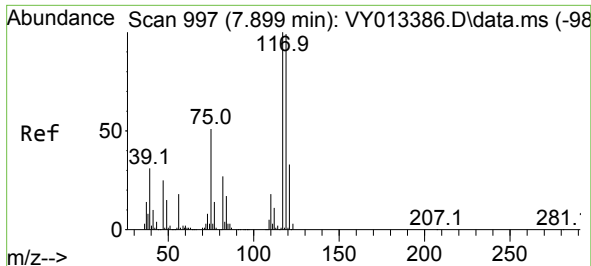
Tgt Ion:113 Resp: 81871
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.2
192 20.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion: 75 Resp: 13123
Ion Ratio Lower Upper
75 100
110 8.7 18.7 56.1#
77 0.0 24.6 37.0#

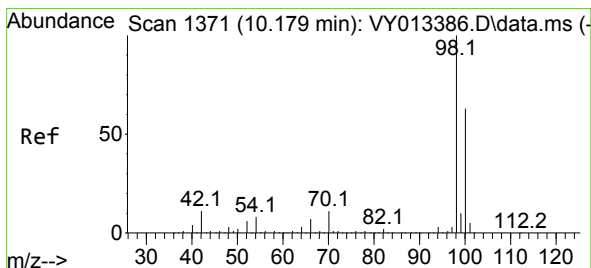
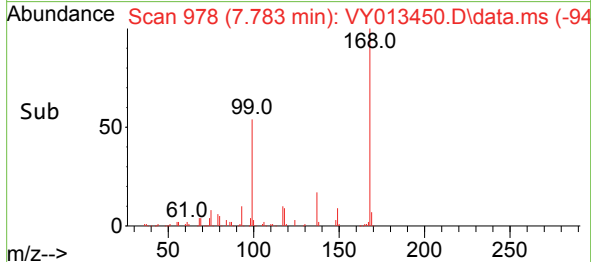
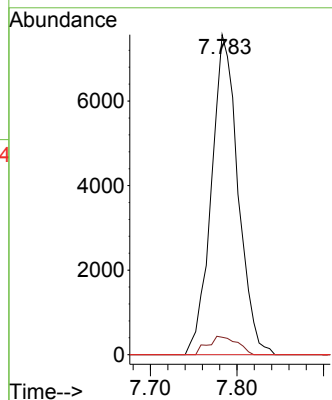
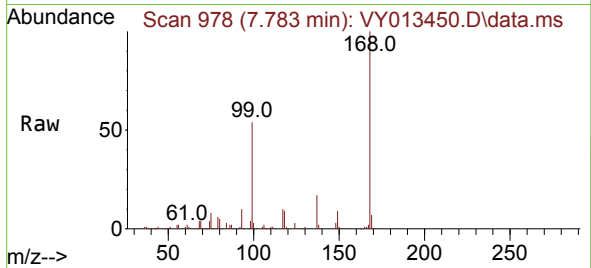




#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

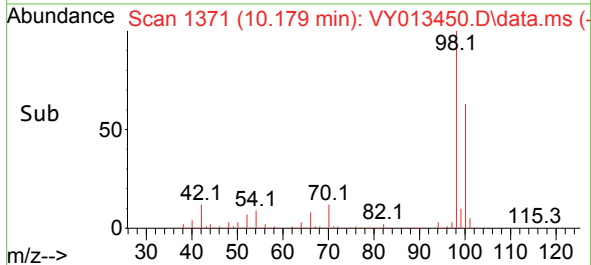
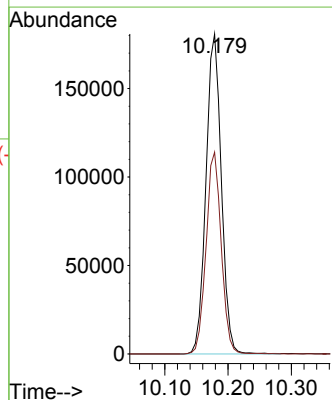
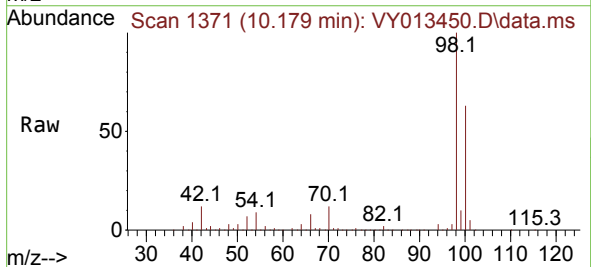
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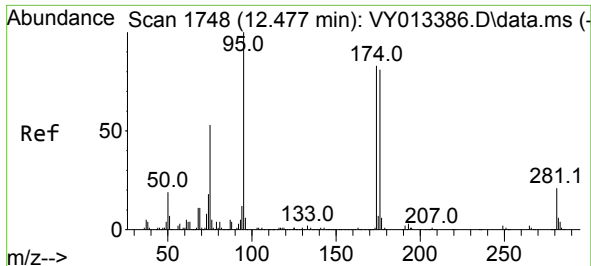
Tgt Ion:117 Resp: 16231
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.195 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion: 98 Resp: 305304
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7

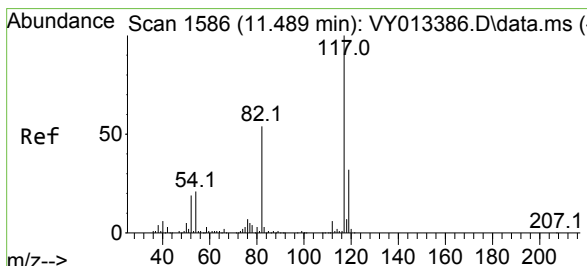
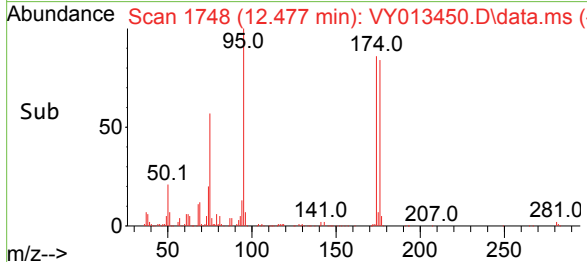
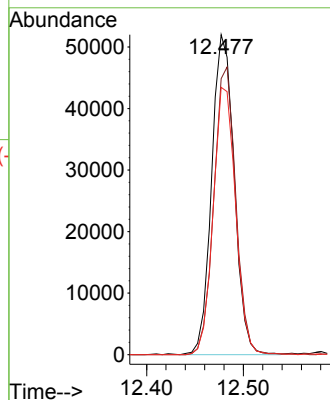
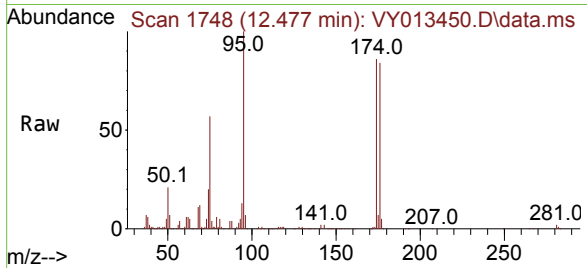




#62
4-Bromofluorobenzene
Concen: 42.486 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

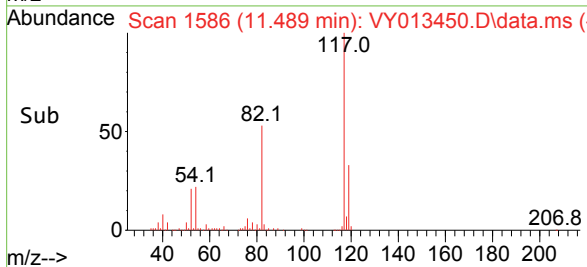
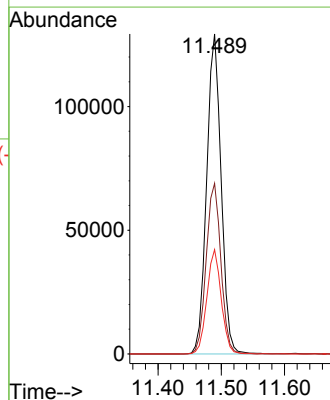
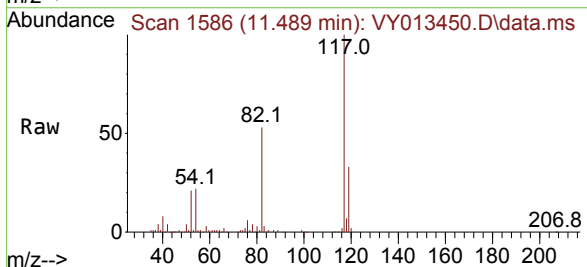
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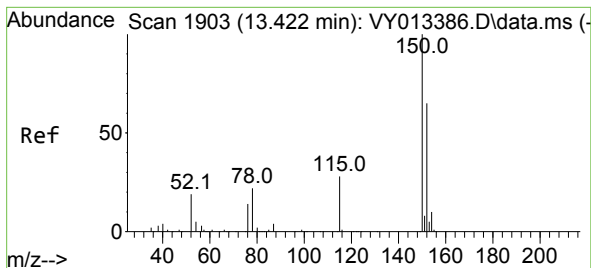
Tgt Ion: 95 Resp: 83779
Ion Ratio Lower Upper
95 100
174 87.8 0.0 182.0
176 83.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013450.D
Acq: 25 Apr 2023 16:39

Tgt Ion: 117 Resp: 206132
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.6
119 32.6 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: VY013450.D

Acq: 25 Apr 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

279RE

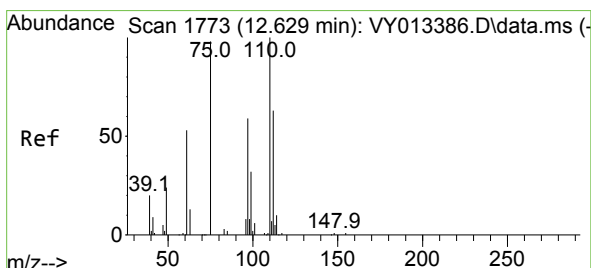
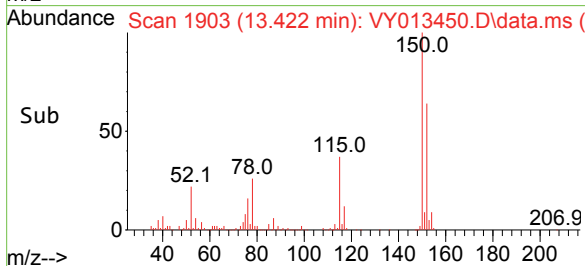
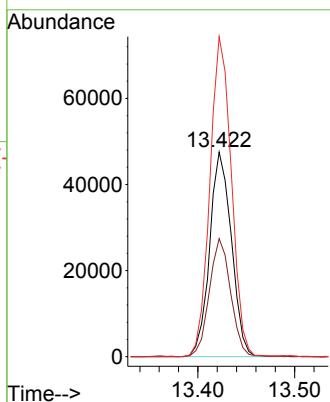
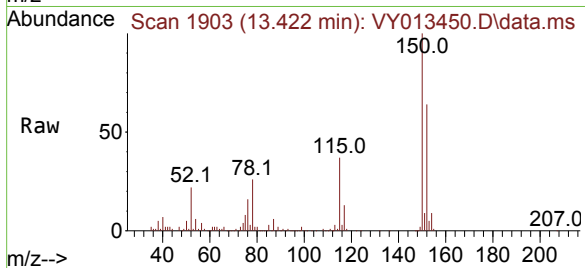
Tgt Ion:152 Resp: 74544

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

150 154.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 43.845 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013450.D

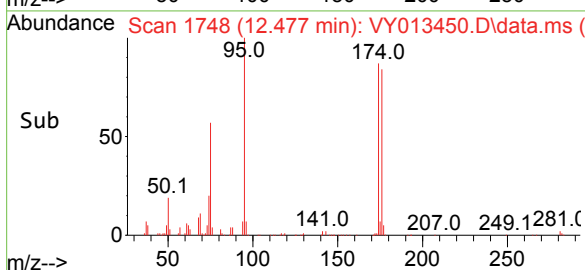
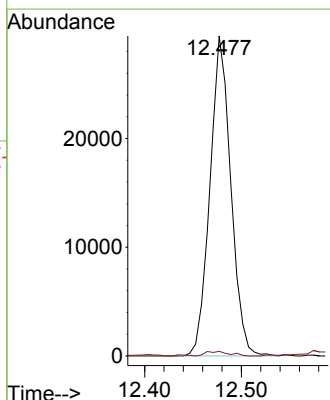
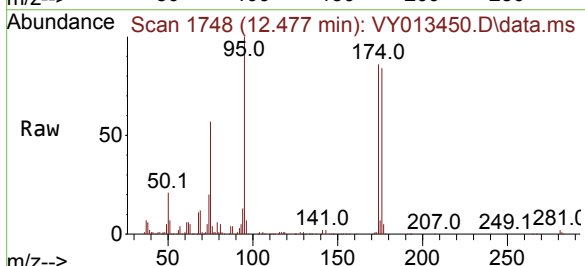
Acq: 25 Apr 2023 16:39

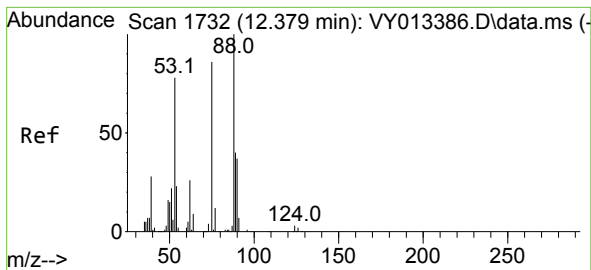
Tgt Ion: 75 Resp: 44078

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.687 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013450.D
 Acq: 25 Apr 2023 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 279RE

Tgt Ion: 75 Resp: 44078
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.0 38.0 57.0#

