

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013456.D
 Acq On : 25 Apr 2023 19:00
 Operator : KP/MD
 Sample : 02470-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-9.5-10.0

Quant Time: Apr 26 02:53:48 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)

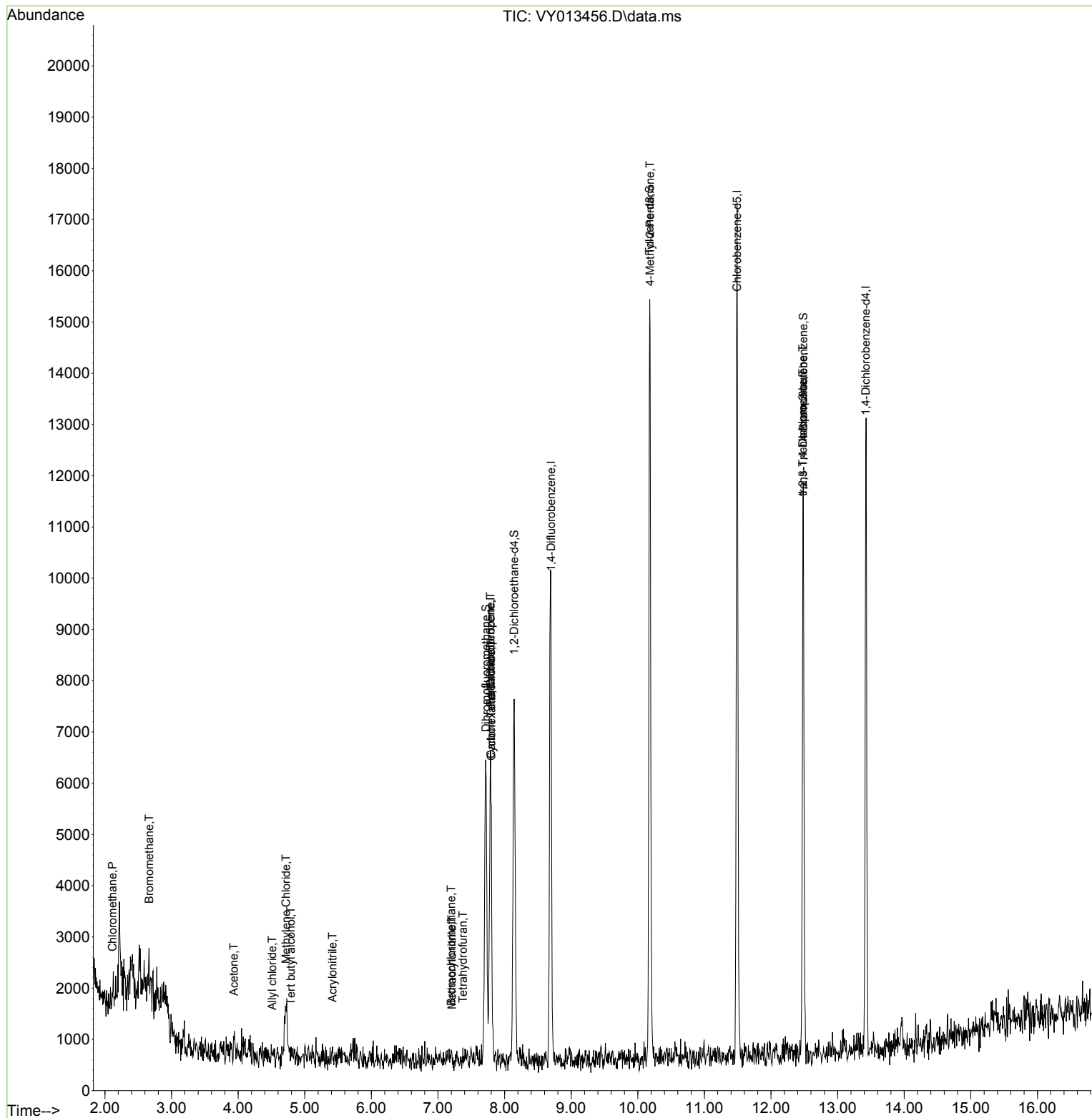
Internal Standards						
1) Pentafluorobenzene	7.789	168	4828	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	8229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9281	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5635	106.470	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 212.940%#	
35) Dibromofluoromethane	7.722	113	4084	78.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 157.820%#	
50) Toluene-d8	10.179	98	10396	56.463	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.920%	
62) 4-Bromofluorobenzene	12.483	95	3385	54.534	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	306	4.974	ug/l	# 20
5) Bromomethane	2.662	94	100	2.048	ug/l	# 74
11) Tert butyl alcohol	4.789	59	23	4.498	ug/l	# 89
13) Acrolein	3.771	56	33	Below Cal	#	16
14) Allyl chloride	4.509	41	98	1.053	ug/l	# 22
15) Acrylonitrile	5.417	53	35	1.978	ug/l	# 18
16) Acetone	3.936	43	407	19.527	ug/l	# 43
20) Methylene Chloride	4.716	84	661	2.426	ug/l	# 69
28) Bromochloromethane	7.197	49	38	1.056	ug/l	# 7
29) Tetrahydrofuran	7.374	42	37	2.249	ug/l	# 32
31) Cyclohexane	7.801	56	101	1.066	ug/l	# 57
36) 1,1-Dichloropropene	7.789	75	432	5.029	ug/l	# 40
38) Carbon Tetrachloride	7.795	117	602	6.687	ug/l	# 11
41) Methacrylonitrile	7.210	41	64	2.125	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.185	43	85	1.398	ug/l	# 84
76) 1,2,3-Trichloropropane	12.477	75	1711	35.738	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	1711	73.104	ug/l	# 12

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

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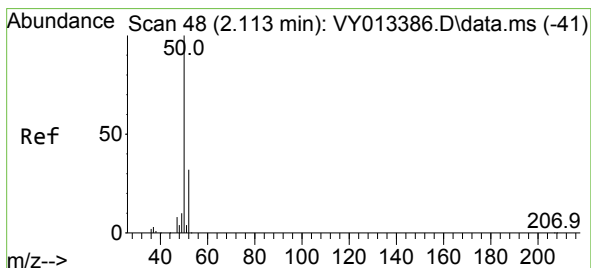
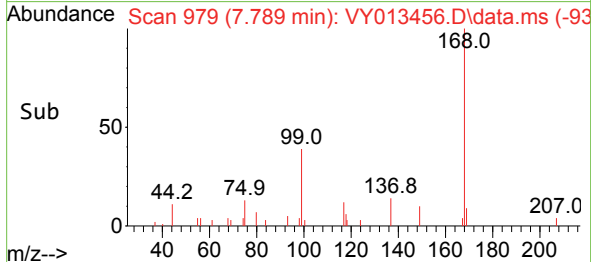
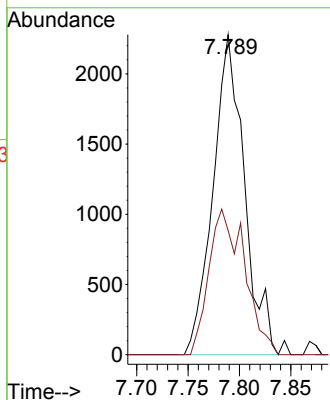
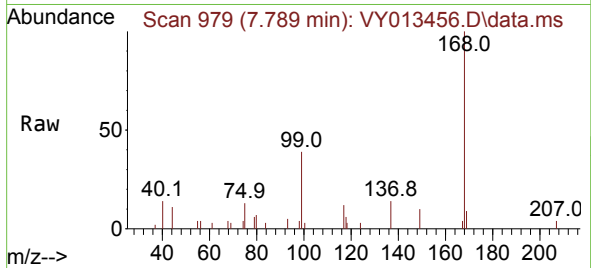




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

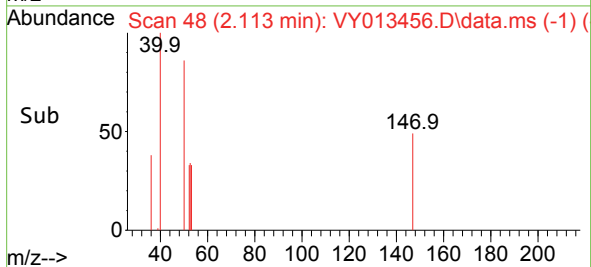
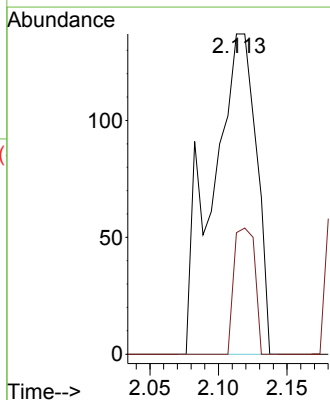
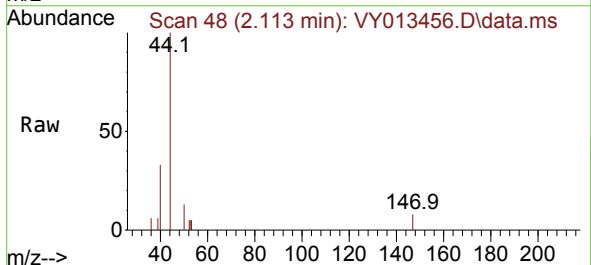
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

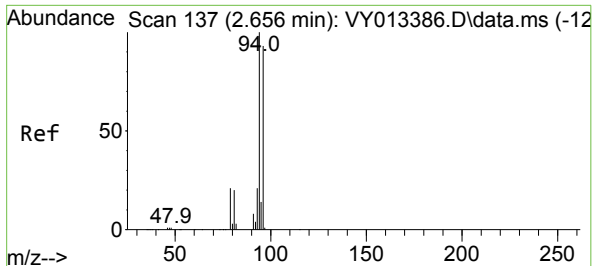
Tgt Ion:168 Resp: 4828
Ion Ratio Lower Upper
168 100
99 38.8 41.8 62.6#



#3
Chloromethane
Concen: 4.974 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 50 Resp: 306
Ion Ratio Lower Upper
50 100
52 77.4 25.9 38.9#

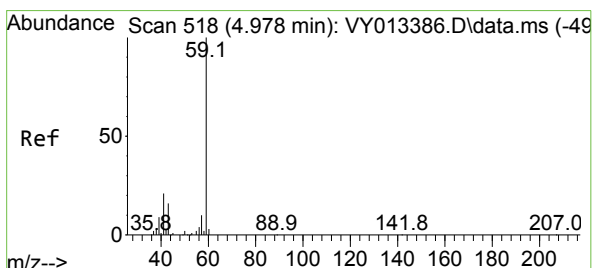
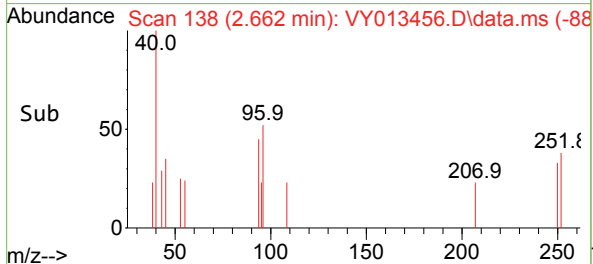
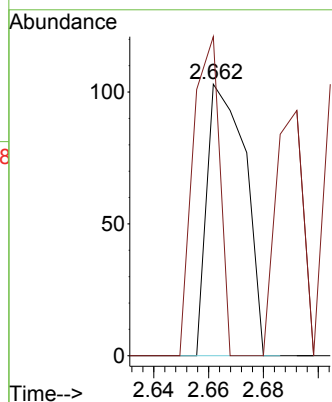
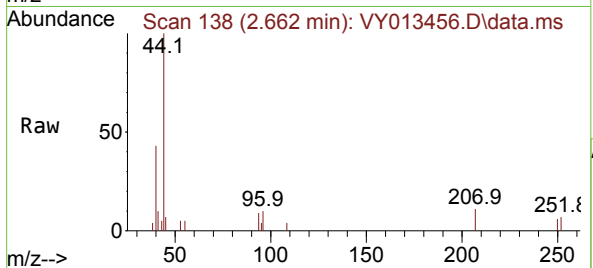




#5
Bromomethane
Concen: 2.048 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

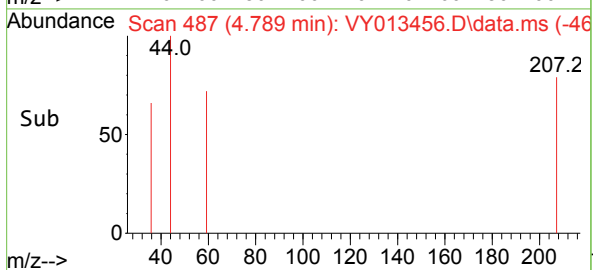
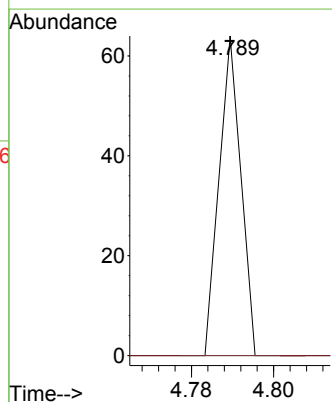
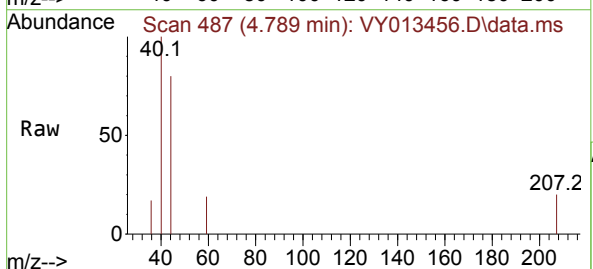
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

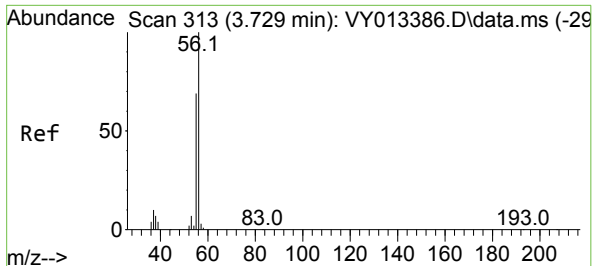
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 117.5 74.2 111.2#



#11
Tert butyl alcohol
Concen: 4.498 ug/l
RT: 4.789 min Scan# 487
Delta R.T. -0.189 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

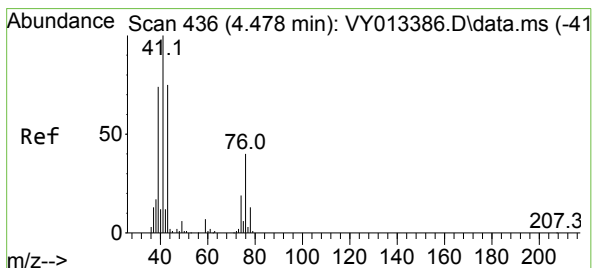
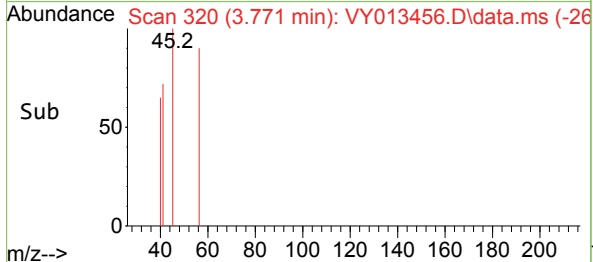
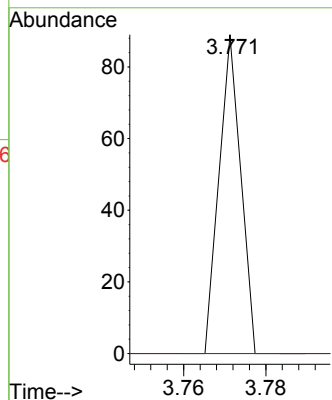
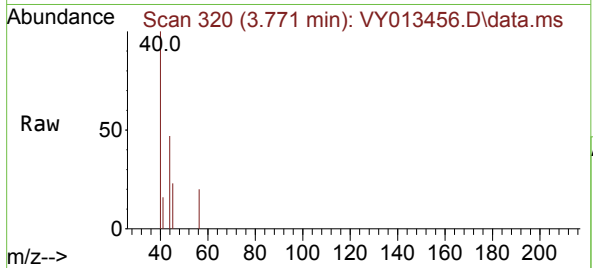




#13
Acrolein
Concen: Below Cal
RT: 3.771 min Scan# 31
Delta R.T. 0.042 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

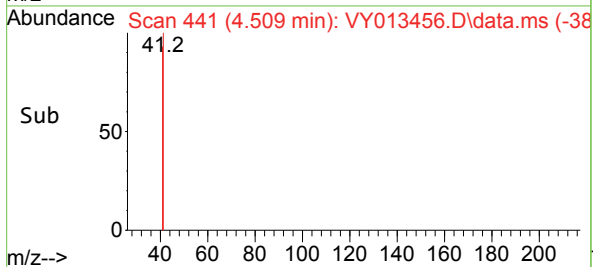
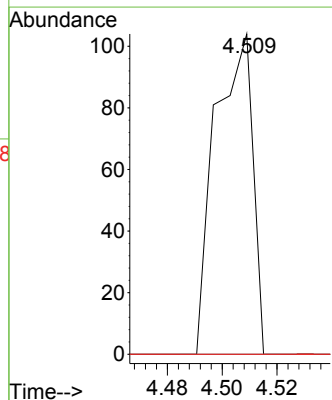
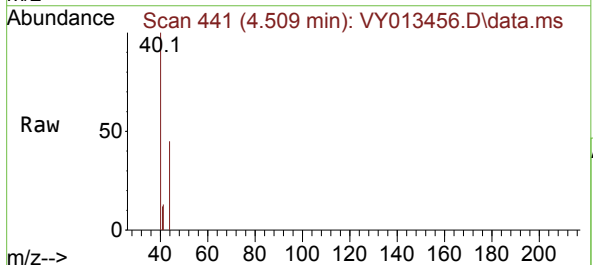
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

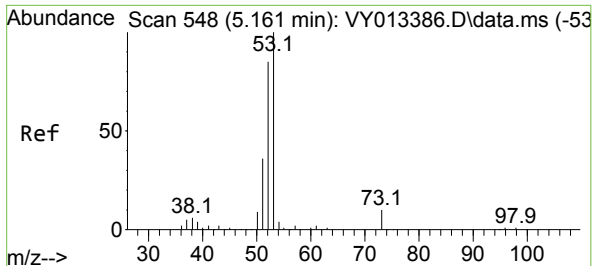
Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#14
Allyl chloride
Concen: 1.053 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.031 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 41 Resp: 98
Ion Ratio Lower Upper
41 100
39 0.0 56.6 85.0#
76 0.0 30.5 45.7#

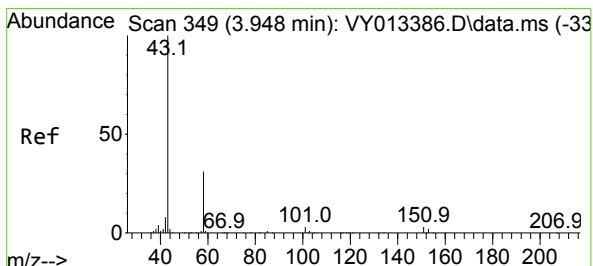
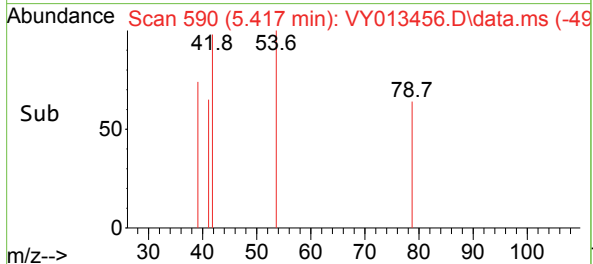
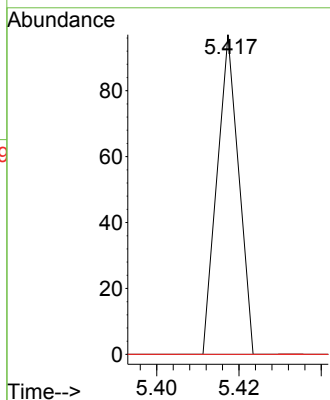
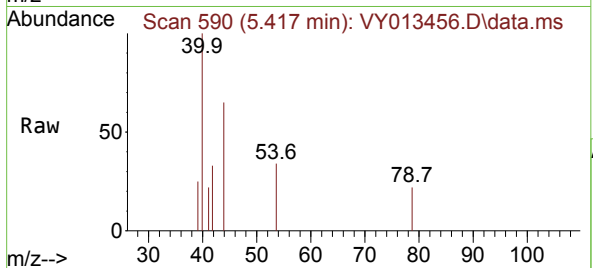




#15
Acrylonitrile
Concen: 1.978 ug/l
RT: 5.417 min Scan# 51
Delta R.T. 0.256 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

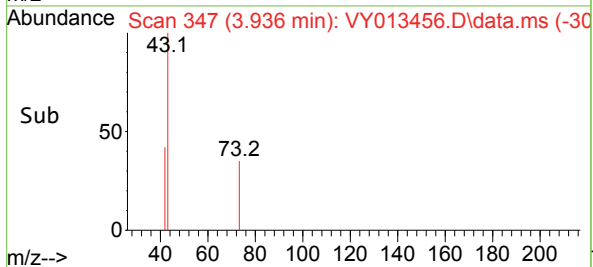
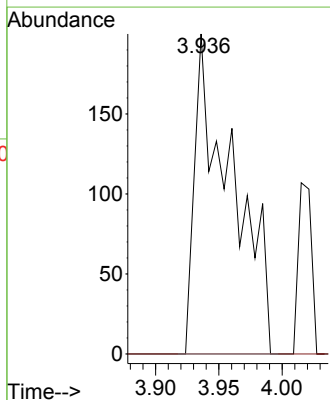
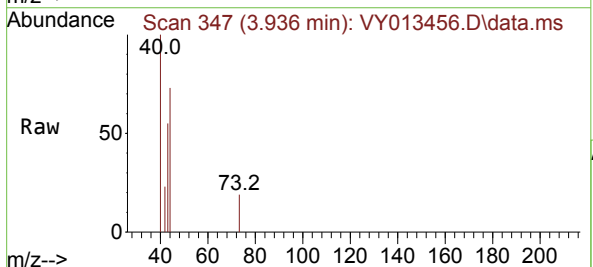
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

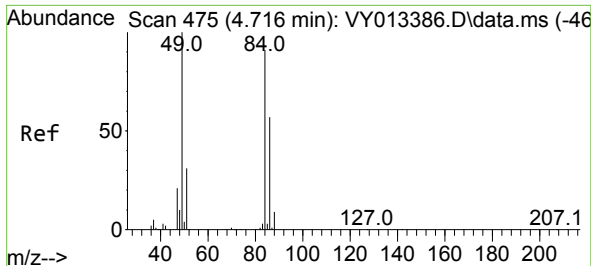
Tgt Ion: 53 Resp: 35
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 29.3 43.9#



#16
Acetone
Concen: 19.527 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

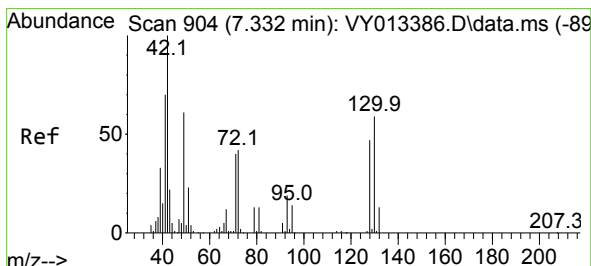
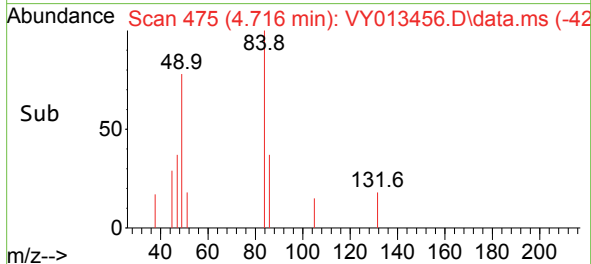
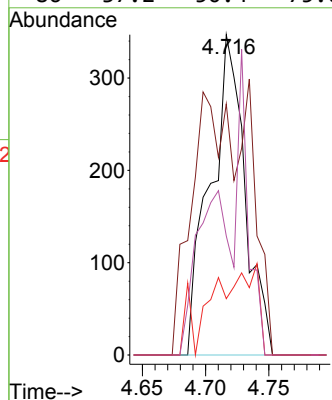
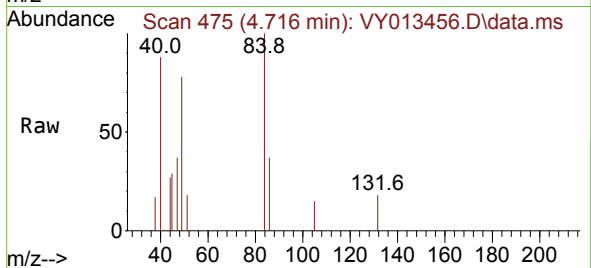




#20
Methylene Chloride
Concen: 2.426 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

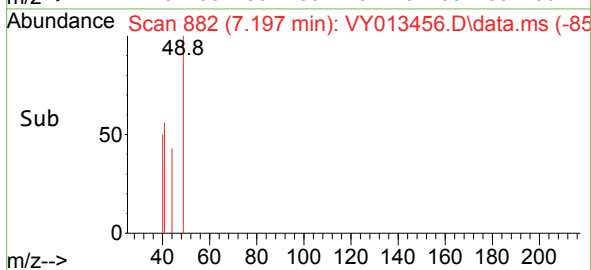
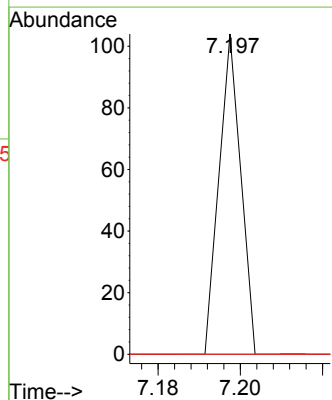
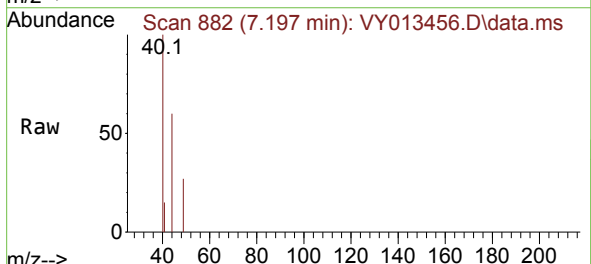
Instrument :
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ClientSampleId :
SB-04-9.5-10.0

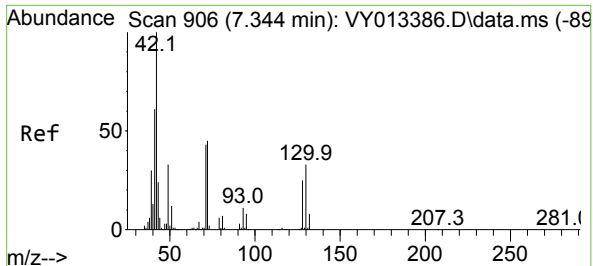
Tgt Ion:	84	Resp:	661
Ion	Ratio	Lower	Upper
84	100		
49	78.4	88.0	132.0#
51	17.6	27.4	41.0#
86	37.2	50.4	75.6#



#28
Bromochloromethane
Concen: 1.056 ug/l
RT: 7.197 min Scan# 882
Delta R.T. -0.135 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion:	49	Resp:	38
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	0.0	72.1	108.1#





#29

Tetrahydrofuran

Concen: 2.249 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.030 min

Lab File: VY013456.D

Acq: 25 Apr 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-9.5-10.0

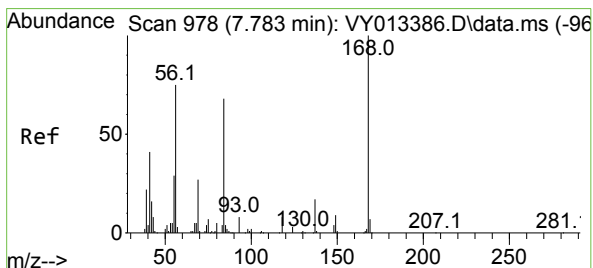
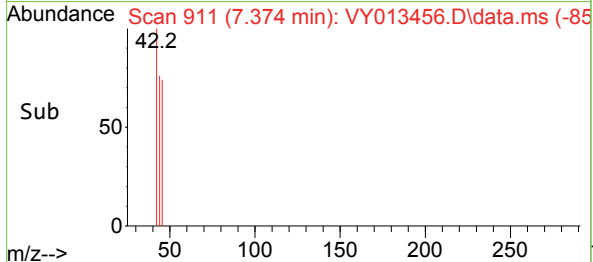
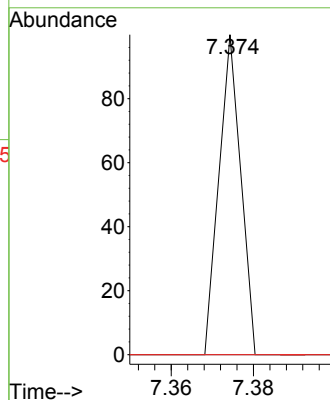
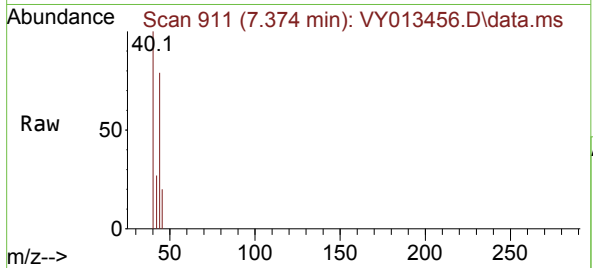
Tgt Ion: 42 Resp: 37

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.018 min

Lab File: VY013456.D

Acq: 25 Apr 2023 19:00

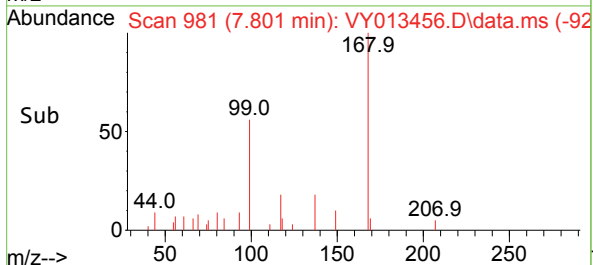
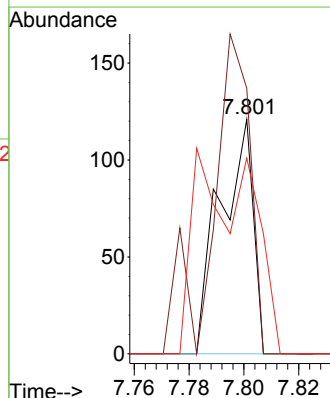
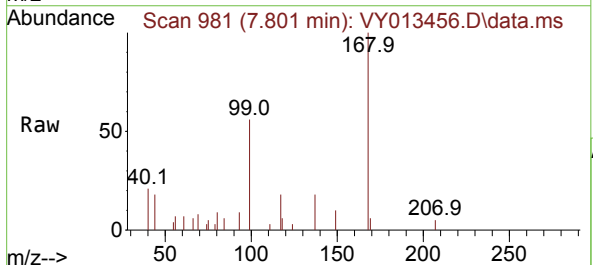
Tgt Ion: 56 Resp: 101

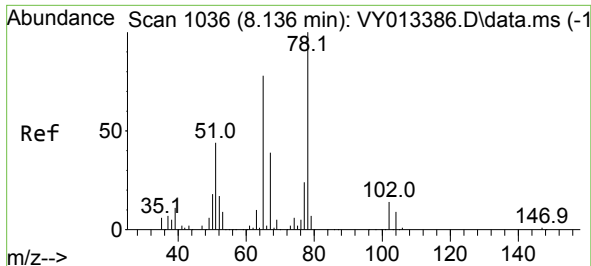
Ion Ratio Lower Upper

56 100

69 113.2 29.2 43.8#

84 83.5 73.0 109.6

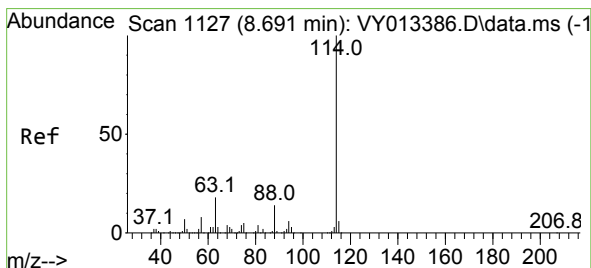
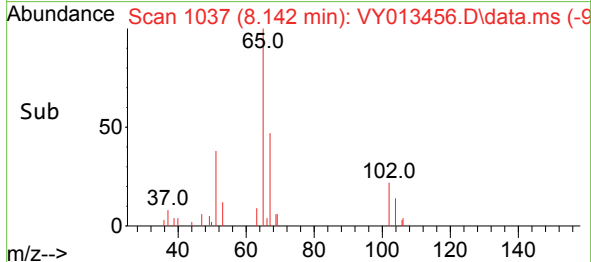
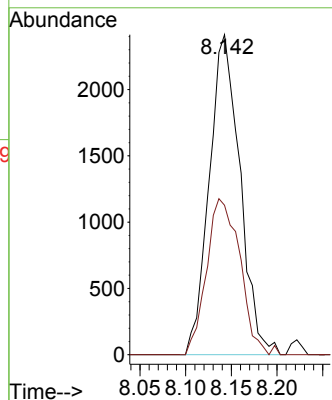
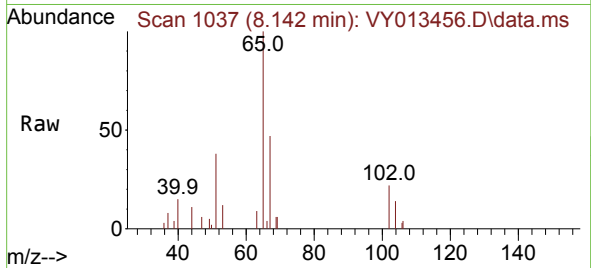




#33
 1,2-Dichloroethane-d4
 Concen: 106.470 ug/l
 RT: 8.142 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY013456.D
 Acq: 25 Apr 2023 19:00

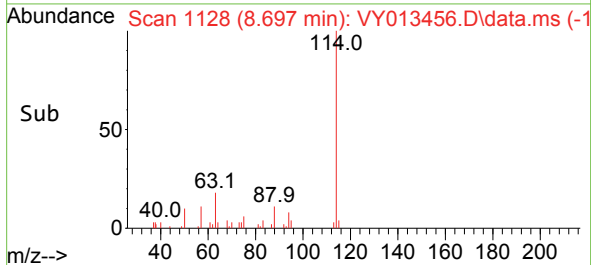
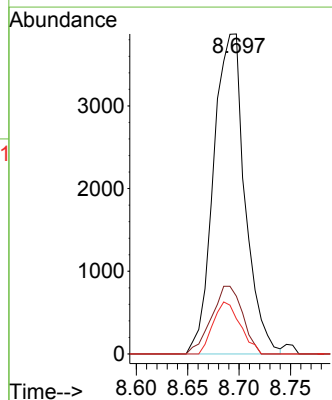
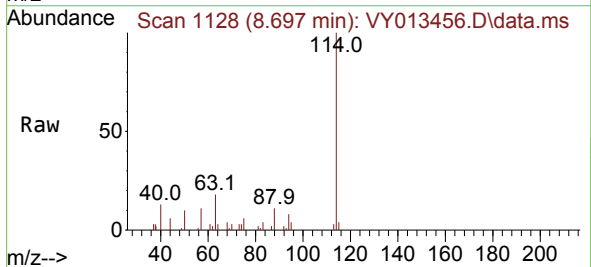
Instrument :
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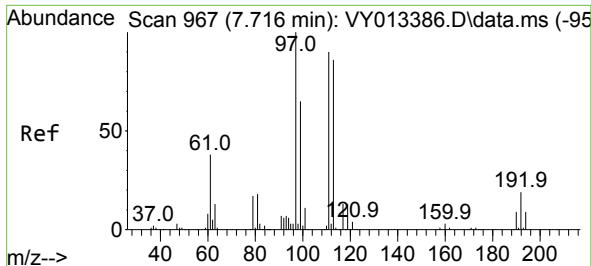
Tgt Ion: 65 Resp: 5635
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY013456.D
 Acq: 25 Apr 2023 19:00

Tgt Ion: 114 Resp: 8229
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.6
 88 11.0 0.0 28.8

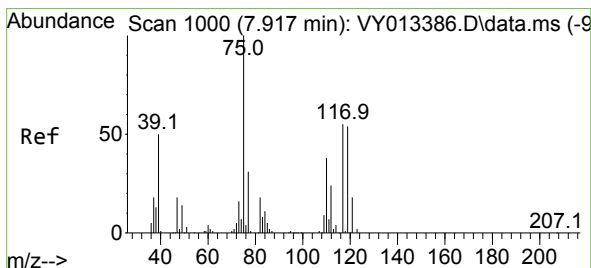
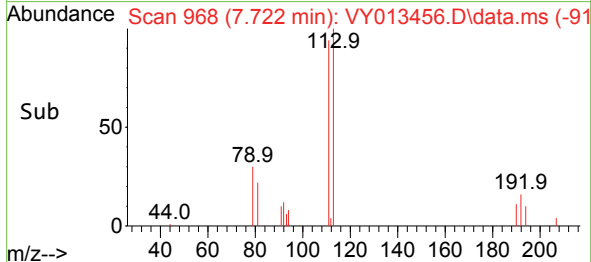
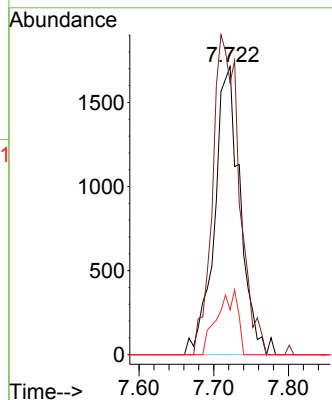
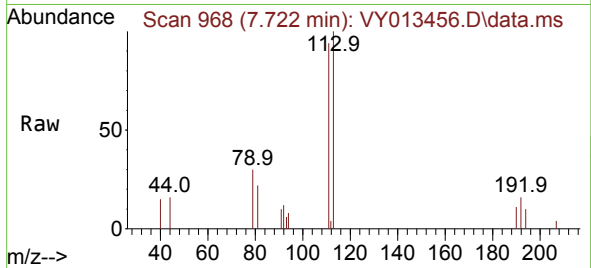




#35
Dibromofluoromethane
Concen: 78.908 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

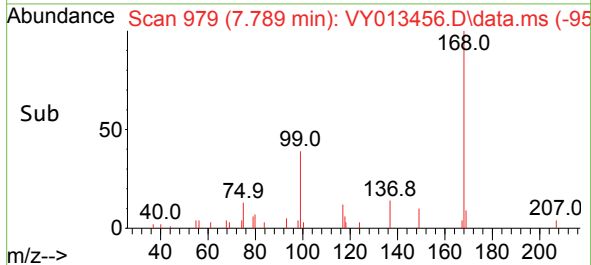
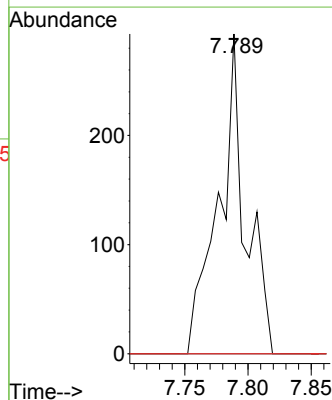
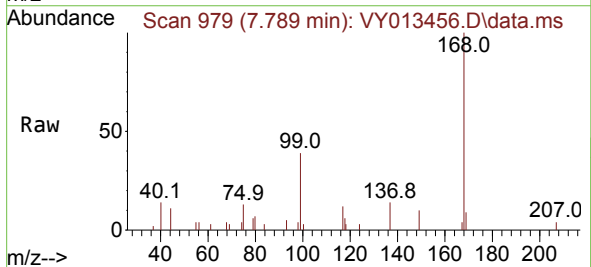
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

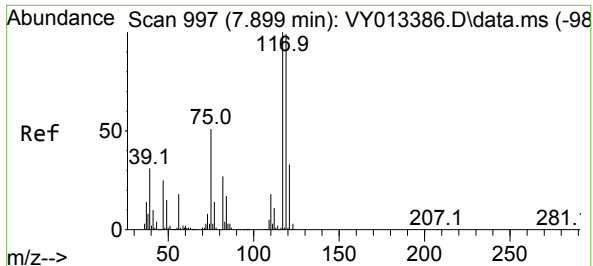
Tgt Ion:113 Resp: 4084
Ion Ratio Lower Upper
113 100
111 116.1 82.2 123.2
192 18.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 75 Resp: 432
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#

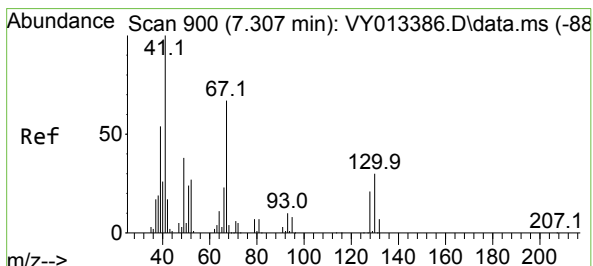
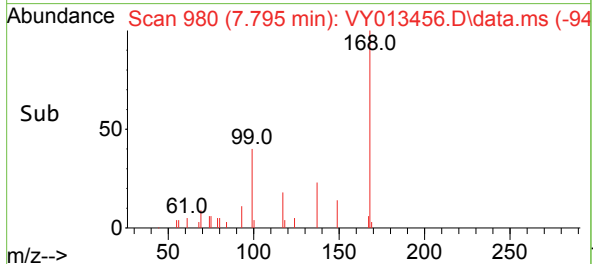
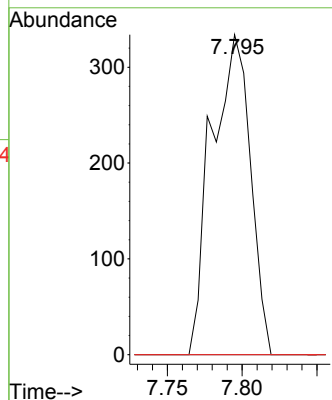
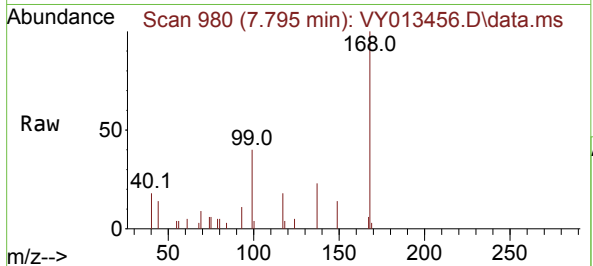




#38
Carbon Tetrachloride
Concen: 6.687 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

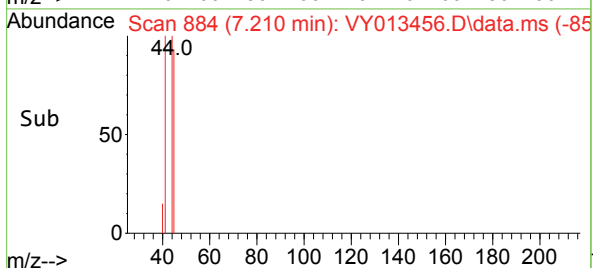
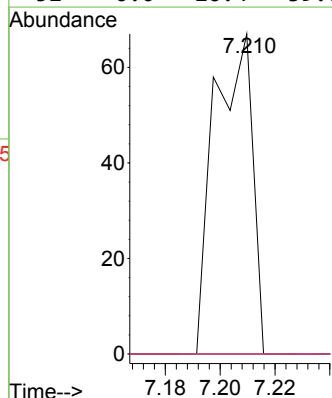
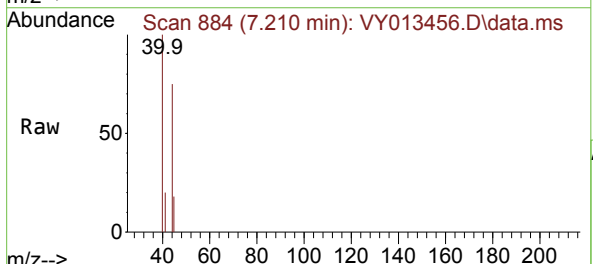
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

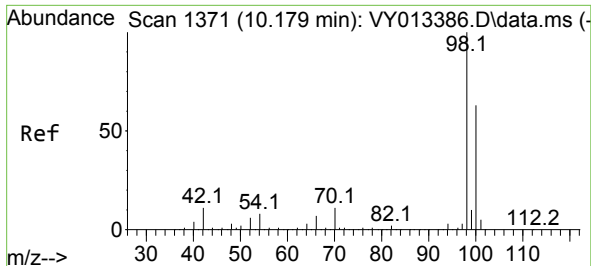
Tgt Ion:117 Resp: 602
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#41
Methacrylonitrile
Concen: 2.125 ug/l
RT: 7.210 min Scan# 884
Delta R.T. -0.097 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
39 0.0 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#

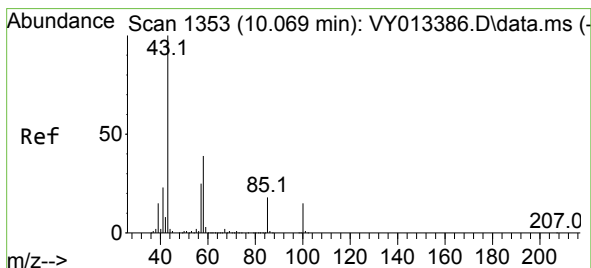
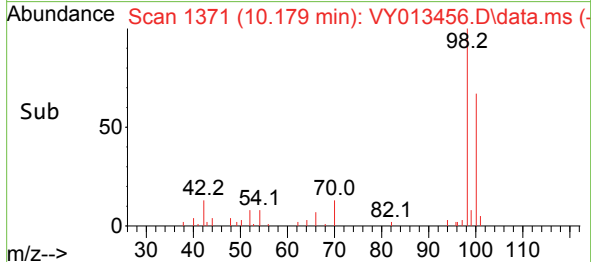
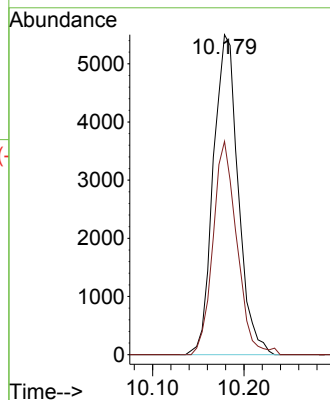
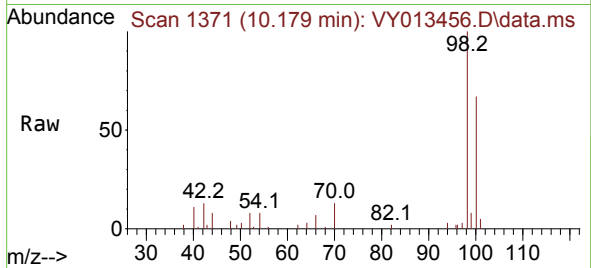




#50
Toluene-d8
Concen: 56.463 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

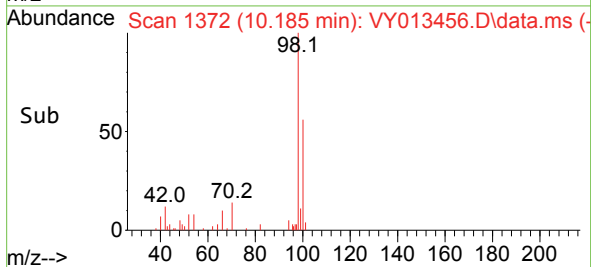
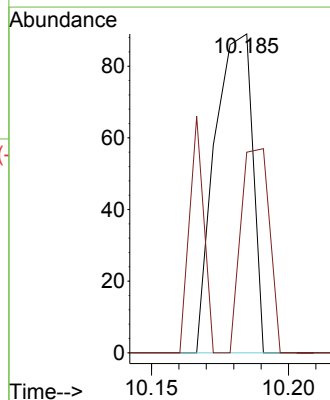
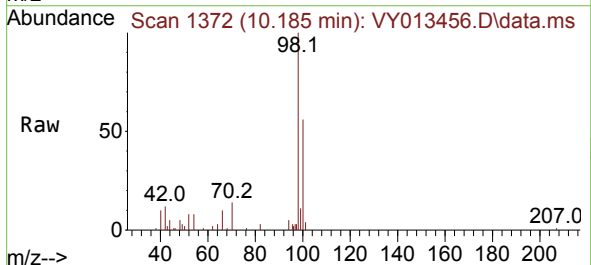
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

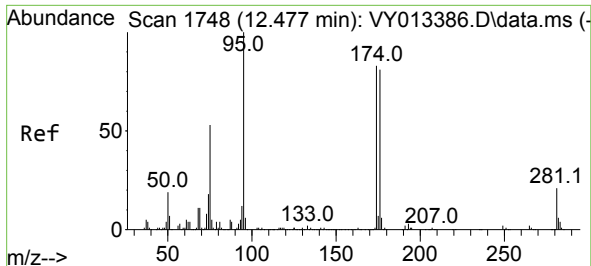
Tgt Ion: 98 Resp: 10396
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.398 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 48.2 30.6 46.0#

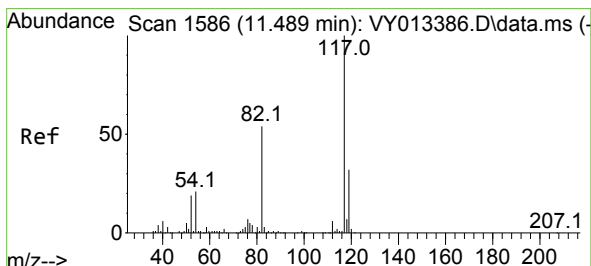
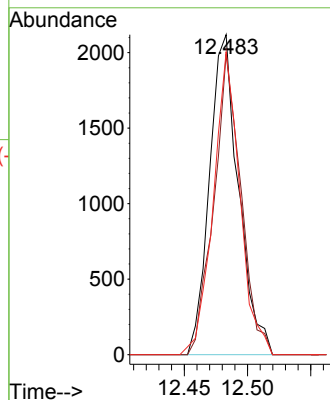
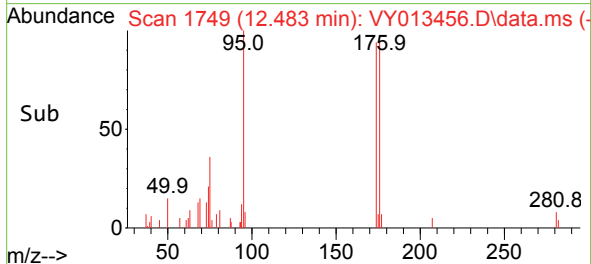
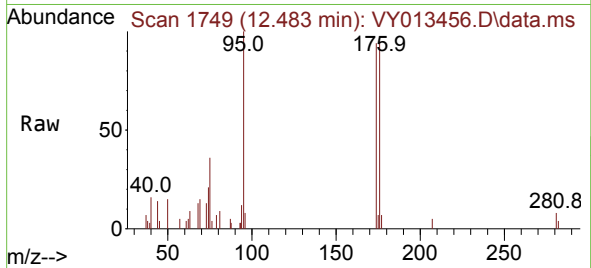




#62
4-Bromofluorobenzene
Concen: 54.534 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

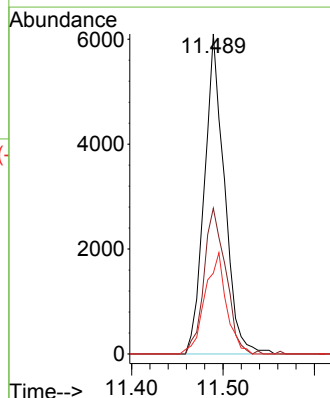
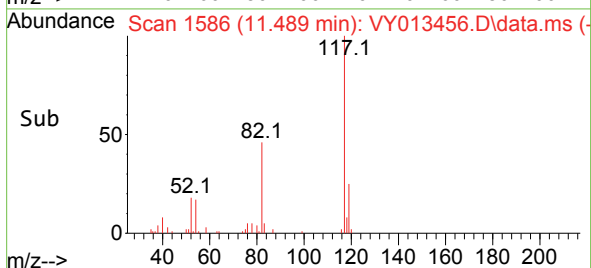
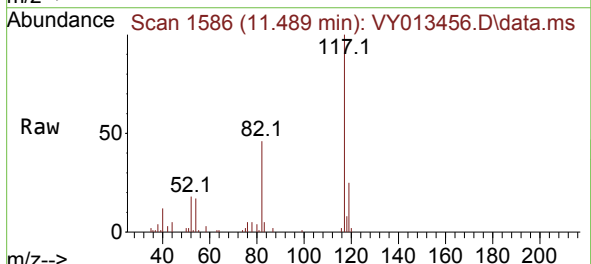
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-9.5-10.0

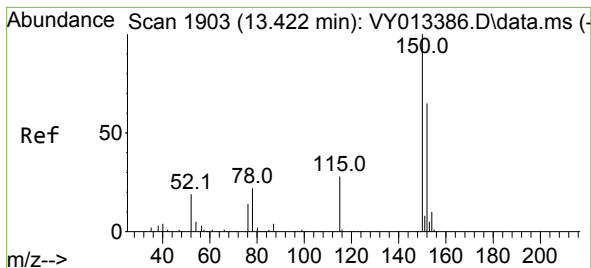
Tgt Ion: 95 Resp: 3385
Ion Ratio Lower Upper
95 100
174 87.5 0.0 182.0
176 86.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013456.D
Acq: 25 Apr 2023 19:00

Tgt Ion: 117 Resp: 9281
Ion Ratio Lower Upper
117 100
82 45.6 43.0 64.6
119 25.3 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: VY013456.D

Acq: 25 Apr 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-9.5-10.0

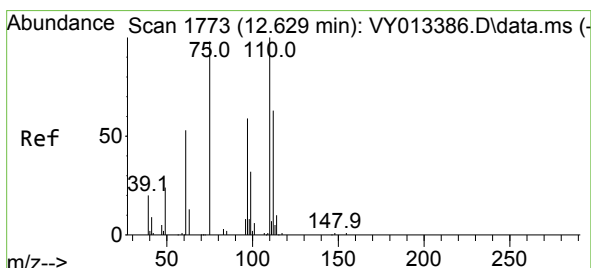
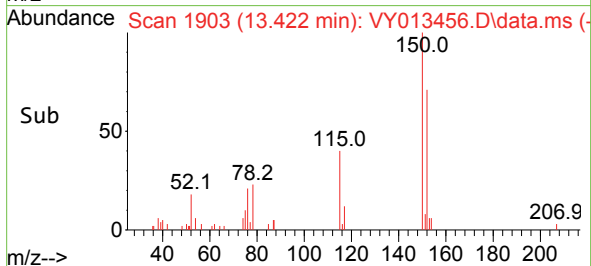
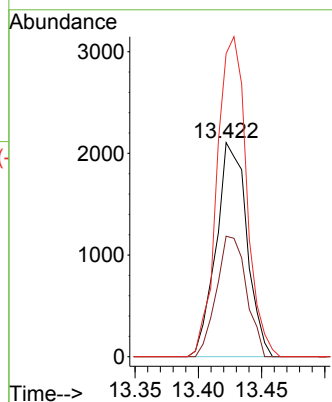
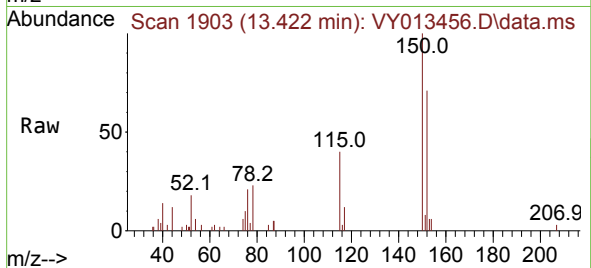
Tgt Ion:152 Resp: 3550

Ion Ratio Lower Upper

152 100

115 54.9 28.1 84.2

150 144.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.738 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013456.D

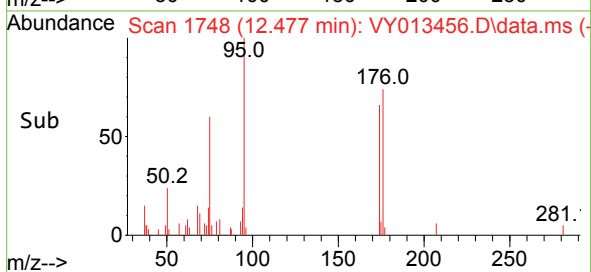
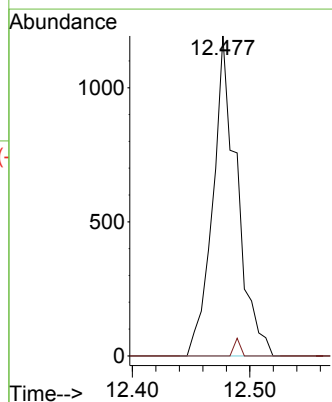
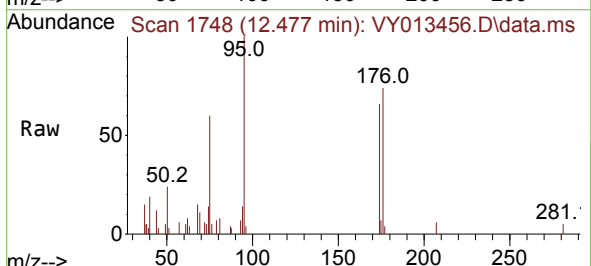
Acq: 25 Apr 2023 19:00

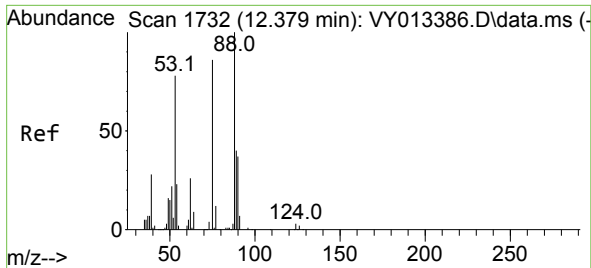
Tgt Ion: 75 Resp: 1711

Ion Ratio Lower Upper

75 100

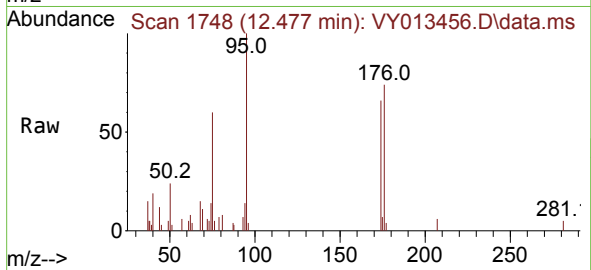
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.104 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013456.D
 Acq: 25 Apr 2023 19:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-9.5-10.0



Tgt Ion: 75 Resp: 1711
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

