

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013405.D
 Acq On : 24 Apr 2023 17:03
 Operator : KP/MD
 Sample : 02406-03RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-6.5-7.0

Quant Time: Apr 25 03:14:56 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)

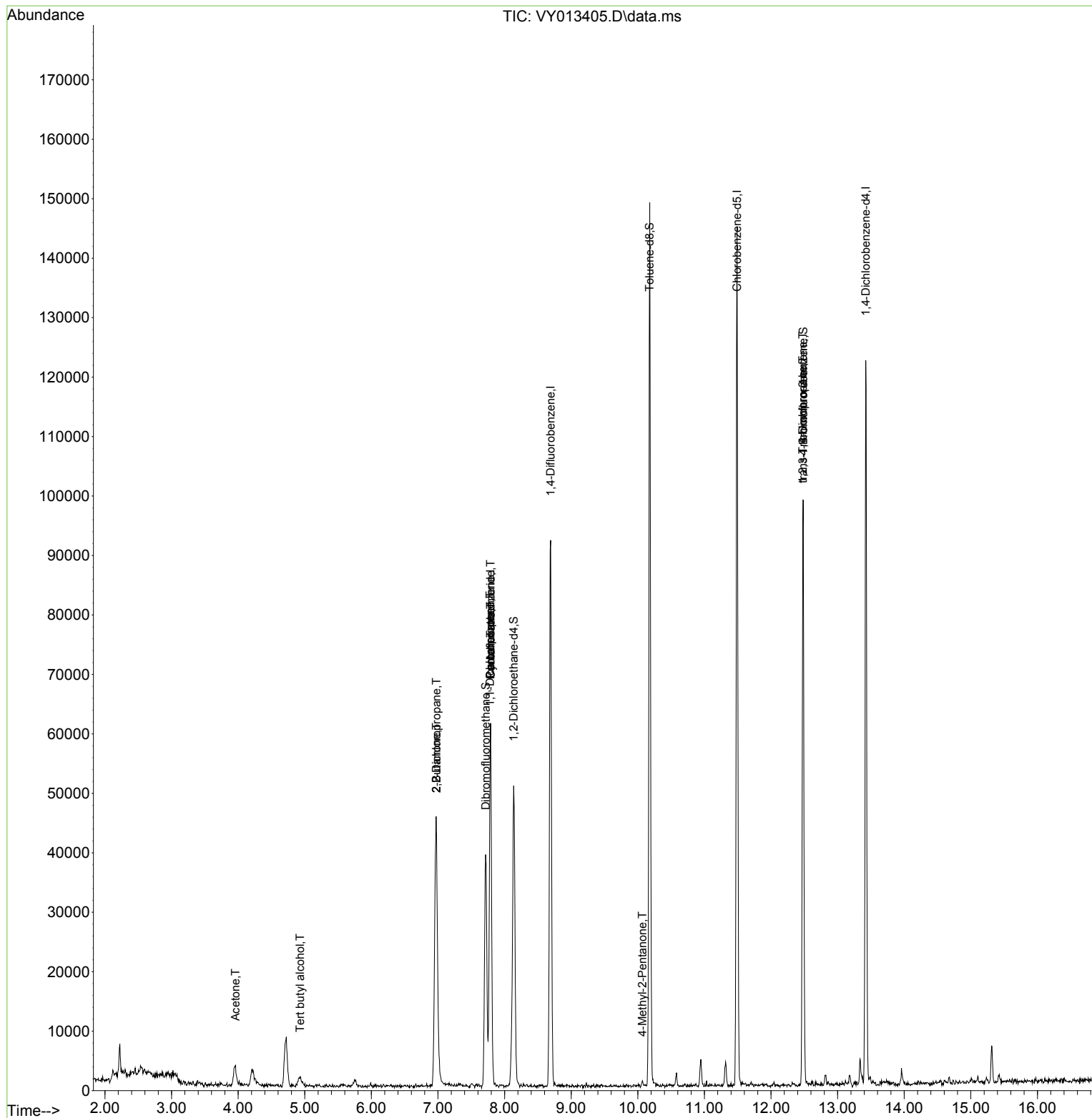
Internal Standards						
1) Pentafluorobenzene	7.789	168	46284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	77123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	73297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36554	72.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.100%	
35) Dibromofluoromethane	7.716	113	27652	57.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.020%	
50) Toluene-d8	10.179	98	92867	53.818	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.483	95	27564	47.382	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1659	29.605	ug/l #	89
13) Acrolein	3.735	56	65	Below Cal	#	16
16) Acetone	3.960	43	6684	33.452	ug/l #	76
25) 2-Butanone	6.978	43	2863	11.298	ug/l #	65
26) 2,2-Dichloropropane	6.978	77	3191	3.809	ug/l #	52
31) Cyclohexane	7.789	56	1241	1.366	ug/l #	53
36) 1,1-Dichloropropene	7.783	75	3953	4.910	ug/l #	51
38) Carbon Tetrachloride	7.789	117	4700	5.570	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	808	1.418	ug/l #	68
76) 1,2,3-Trichloropropane	12.477	75	14724	35.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14724	72.884	ug/l #	13

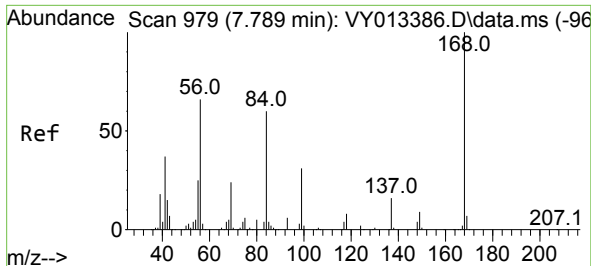
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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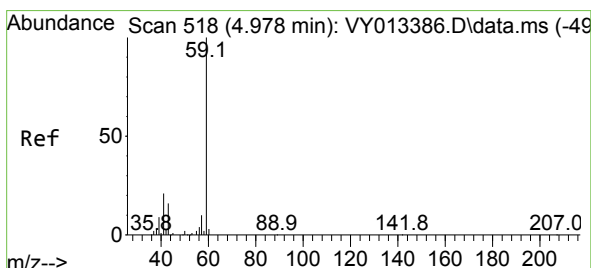
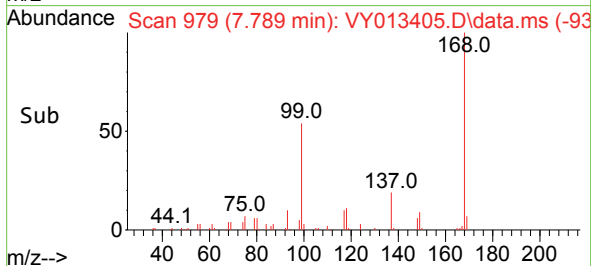
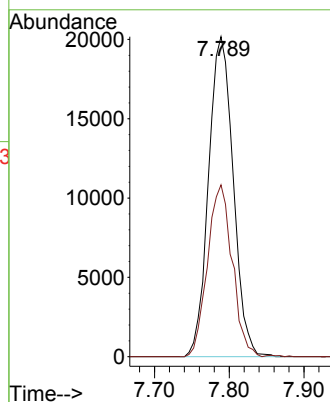
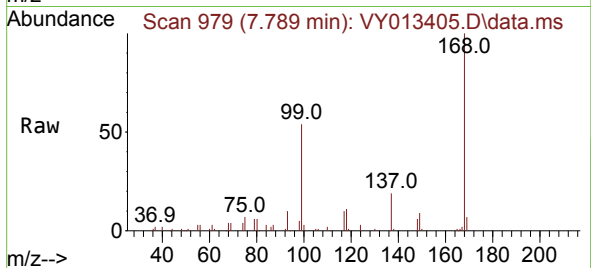




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

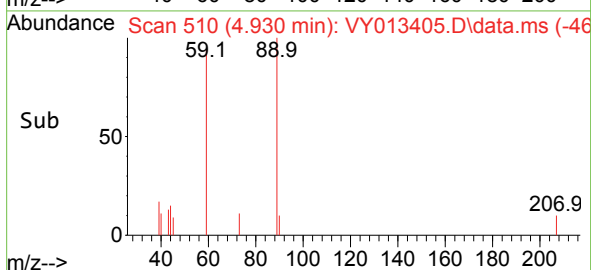
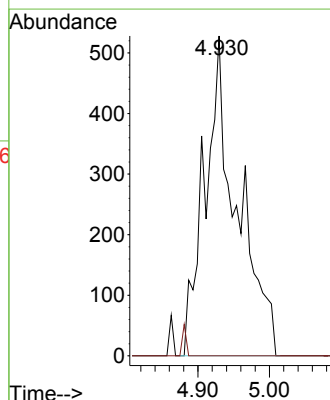
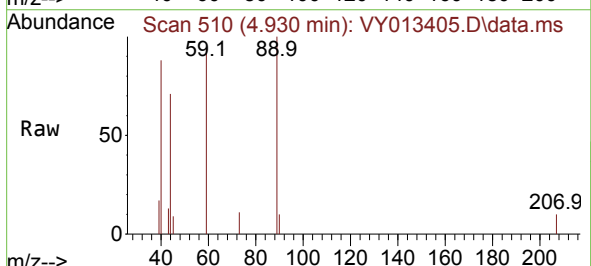
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-6.5-7.0

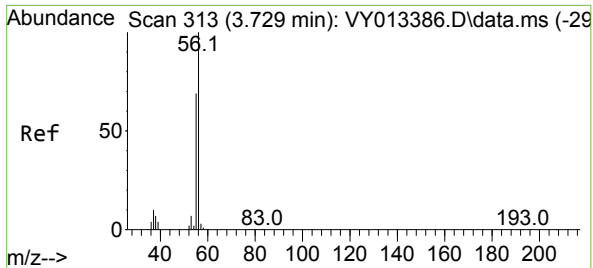
Tgt Ion:168 Resp: 46284
Ion Ratio Lower Upper
168 100
99 53.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 29.605 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.048 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion: 59 Resp: 1659
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY013405.D

Acq: 24 Apr 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

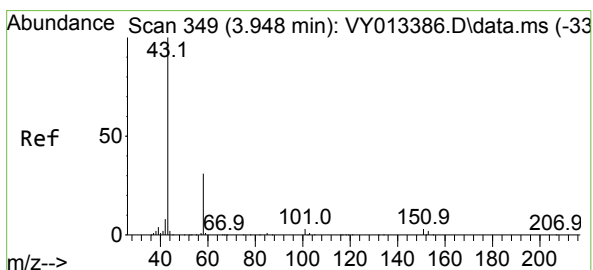
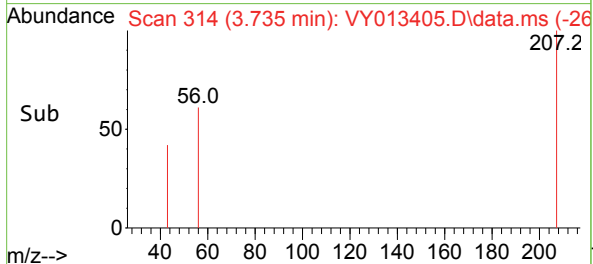
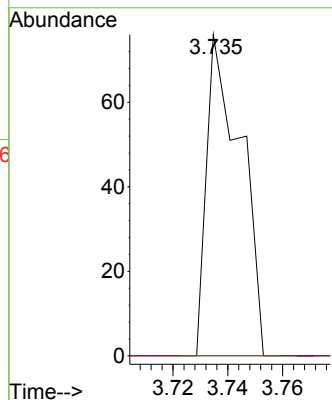
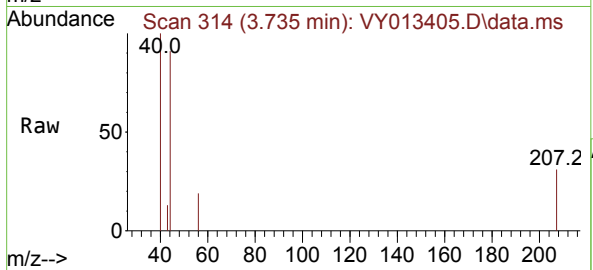
SB-13-6.5-7.0

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 33.452 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY013405.D

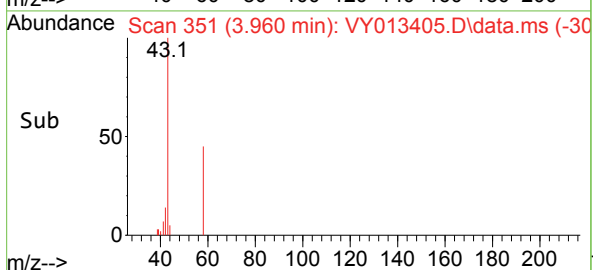
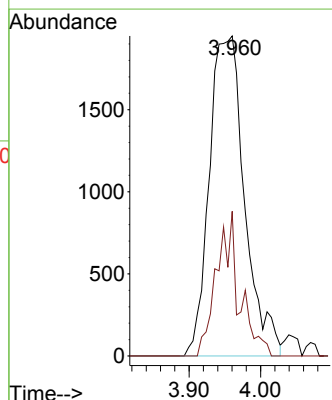
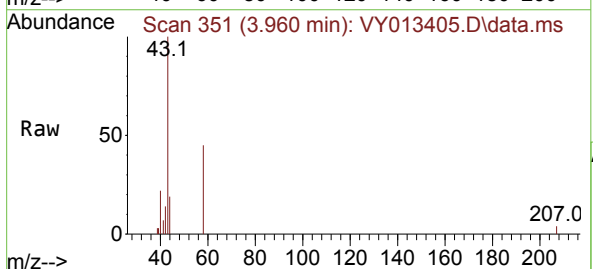
Acq: 24 Apr 2023 17:03

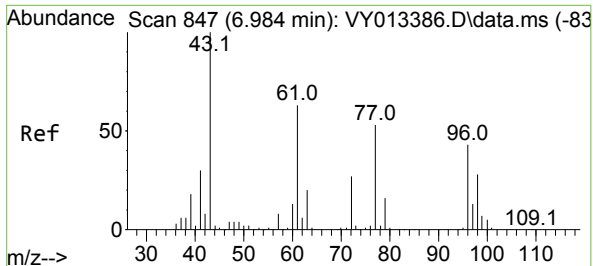
Tgt Ion: 43 Resp: 6684

Ion Ratio Lower Upper

43 100

58 45.2 25.4 38.0#





#25

2-Butanone

Concen: 11.298 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013405.D

Acq: 24 Apr 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

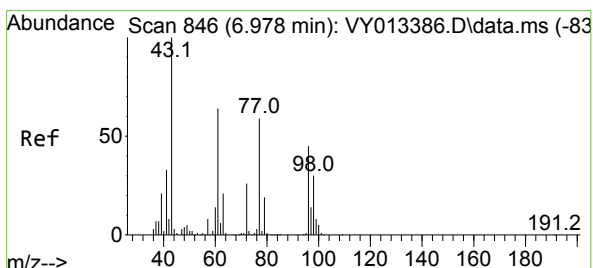
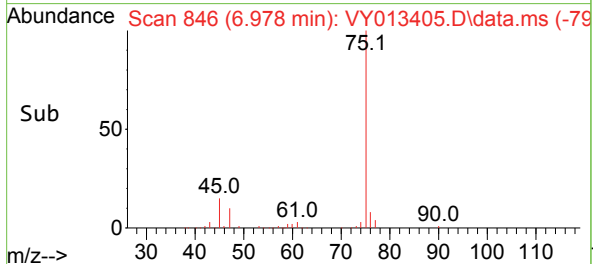
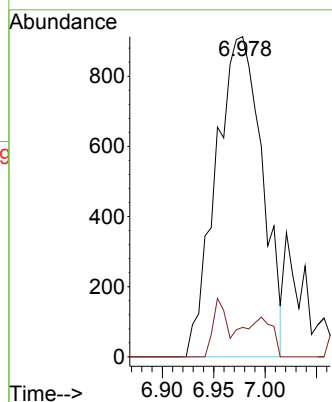
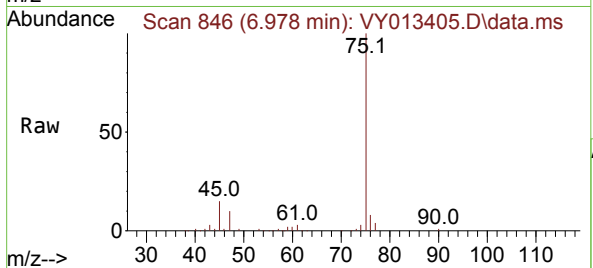
SB-13-6.5-7.0

Tgt Ion: 43 Resp: 2863

Ion Ratio Lower Upper

43 100

72 9.2 21.9 32.9#



#26

2,2-Dichloropropane

Concen: 3.809 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY013405.D

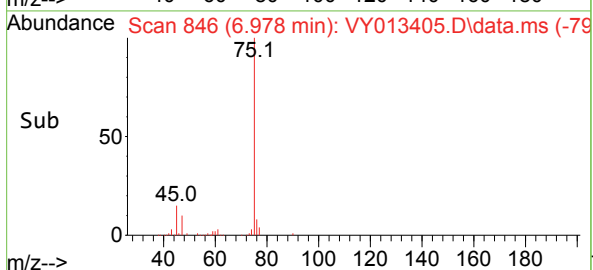
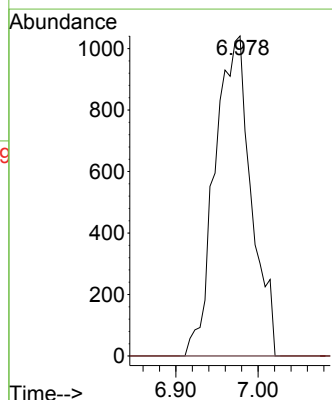
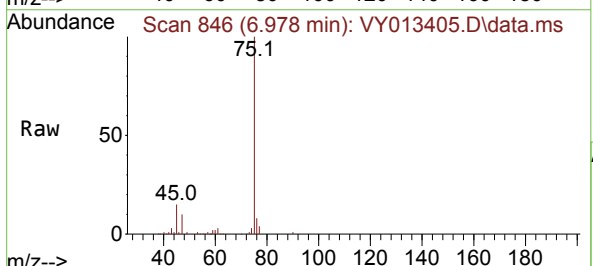
Acq: 24 Apr 2023 17:03

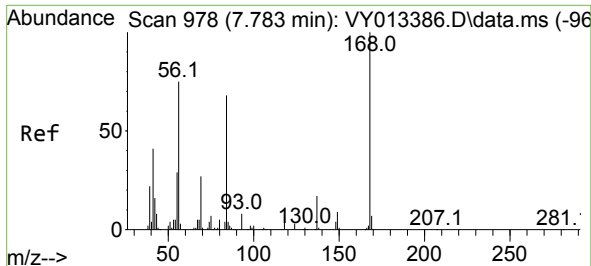
Tgt Ion: 77 Resp: 3191

Ion Ratio Lower Upper

77 100

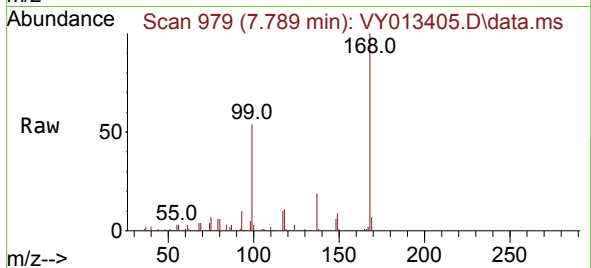
97 0.0 11.8 35.4#



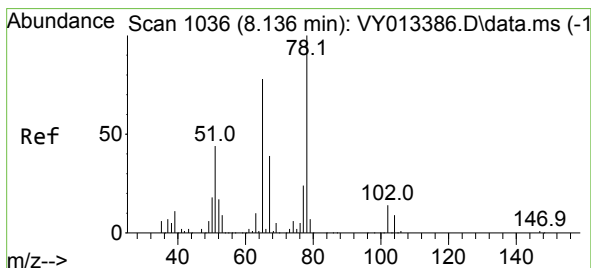
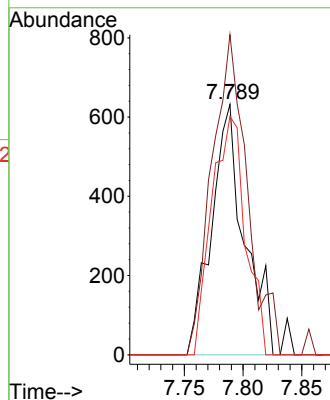
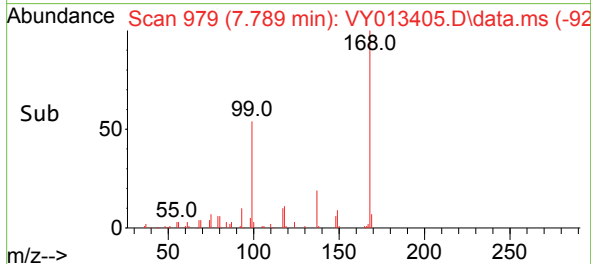


#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Instrument :
MSVOA_Y
ClientSampleId :
SB-13-6.5-7.0

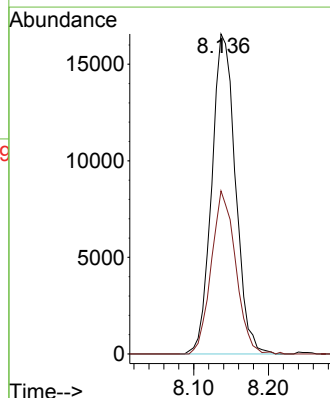
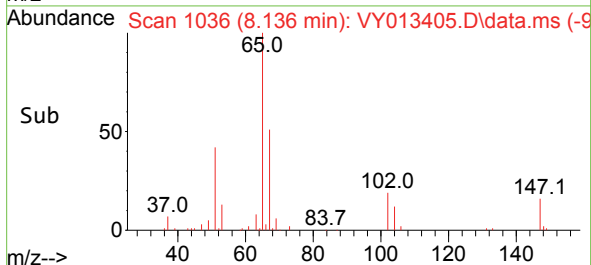
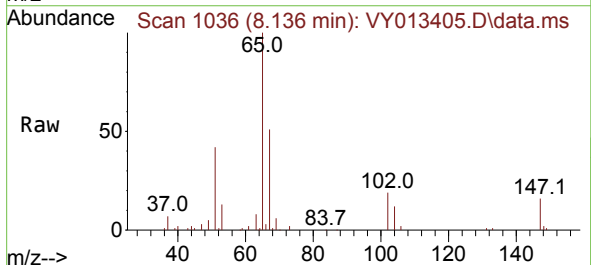


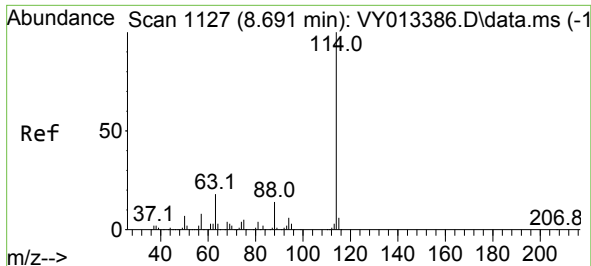
Tgt Ion: 56 Resp: 1241
Ion Ratio Lower Upper
56 100
69 127.8 29.2 43.8#
84 95.3 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 72.045 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion: 65 Resp: 36554
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

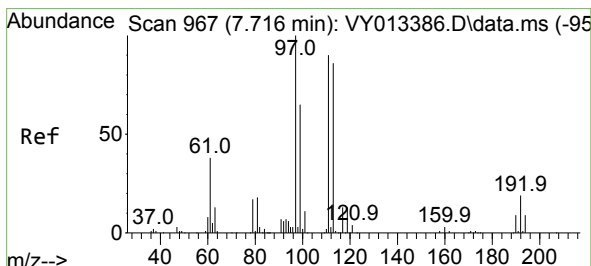
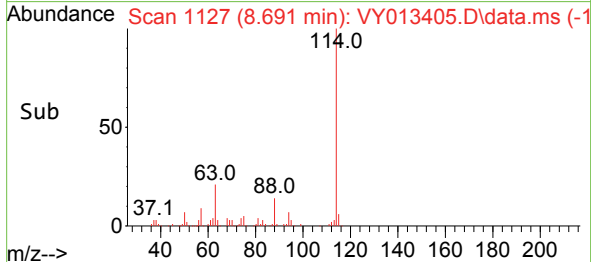
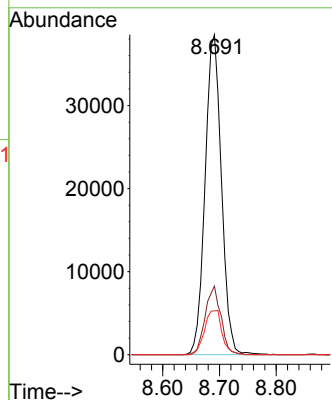
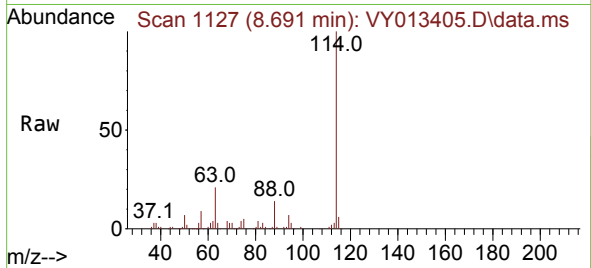




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

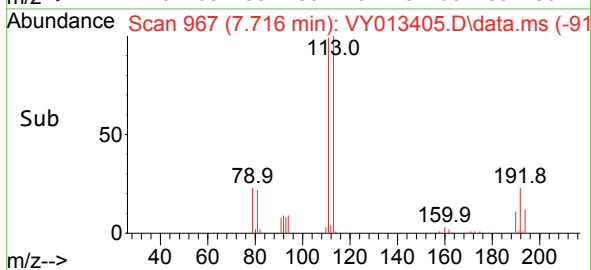
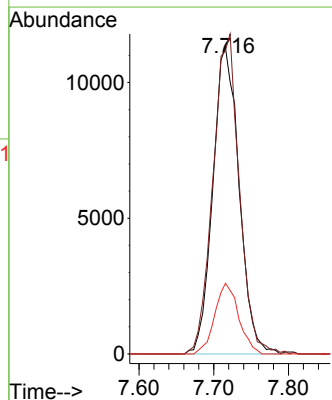
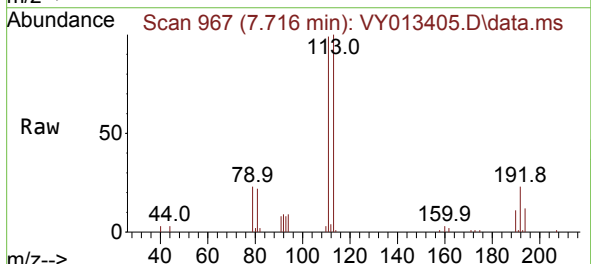
Instrument :
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ClientSampleId :
SB-13-6.5-7.0

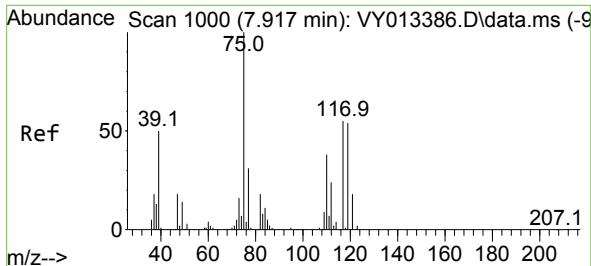
Tgt Ion:114	Resp:	77123
Ion	Ratio	Lower Upper
114	100	
63	21.4	0.0 36.6
88	13.7	0.0 28.8



#35
Dibromofluoromethane
Concen: 57.006 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion:113	Resp:	27652
Ion	Ratio	Lower Upper
113	100	
111	104.3	82.2 123.2
192	21.0	16.7 25.1

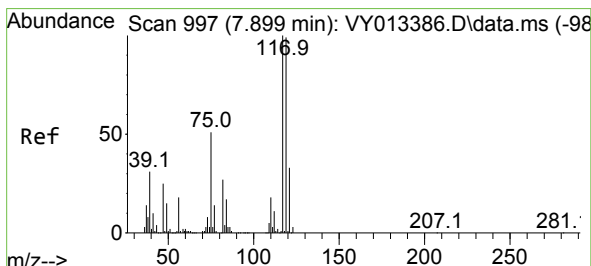
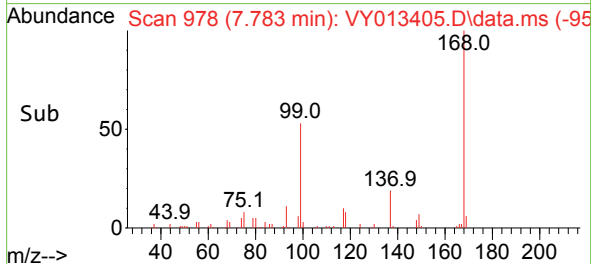
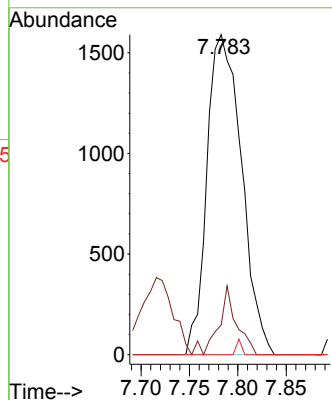
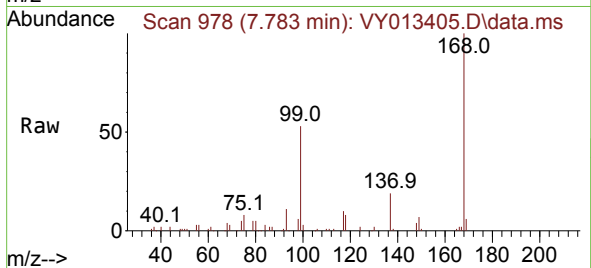




#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

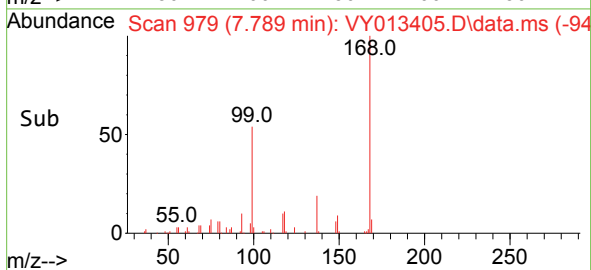
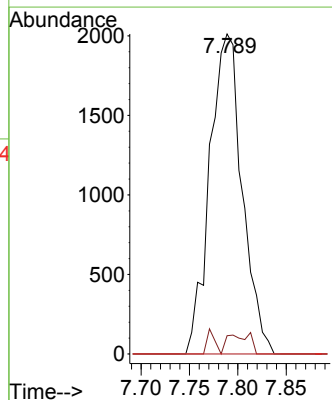
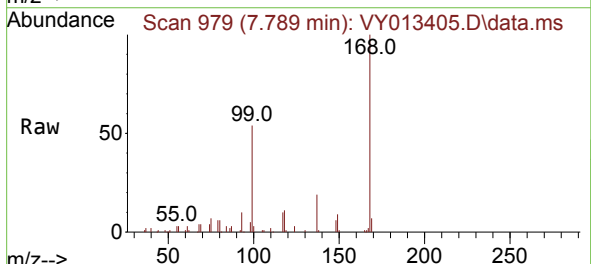
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SB-13-6.5-7.0

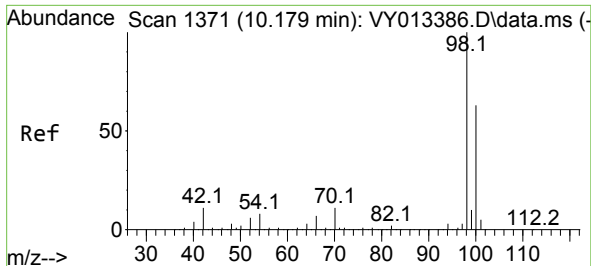
Tgt Ion: 75 Resp: 3953
Ion Ratio Lower Upper
75 100
110 11.2 18.7 56.1#
77 0.7 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.570 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion: 117 Resp: 4700
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 26.6 40.0#

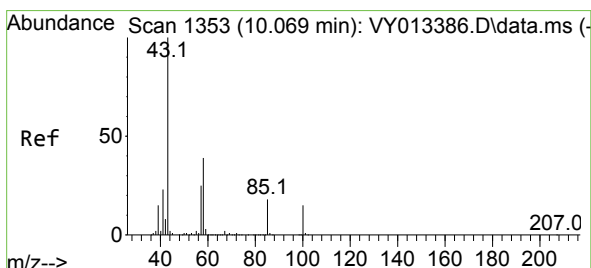
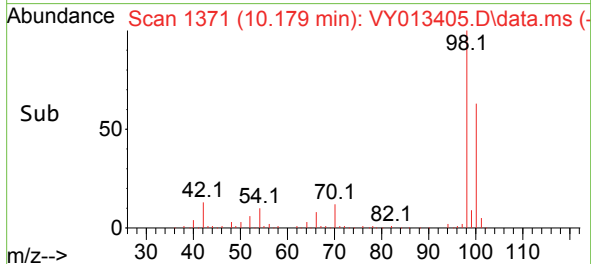
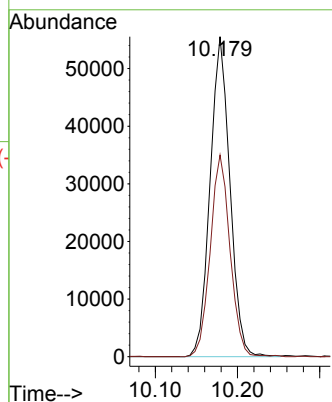
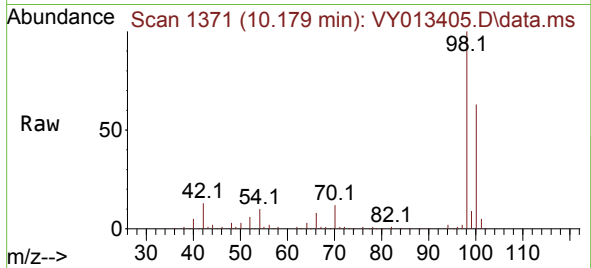




#50
Toluene-d8
Concen: 53.818 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

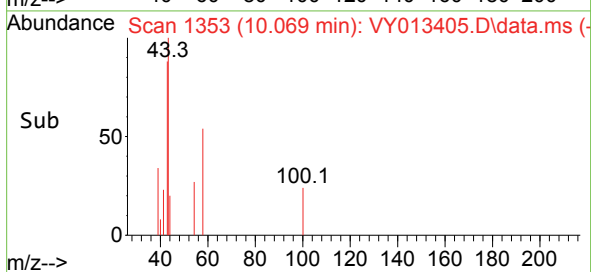
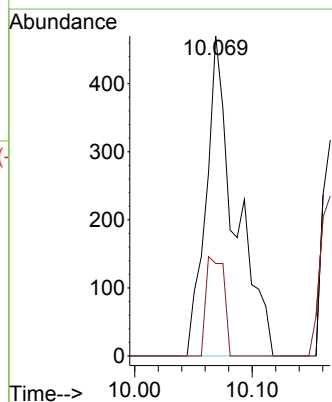
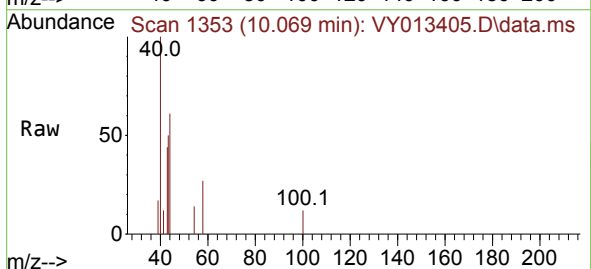
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-6.5-7.0

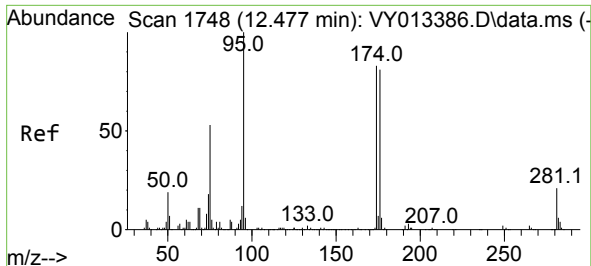
Tgt Ion: 98 Resp: 92867
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.418 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 18.9 30.6 46.0#

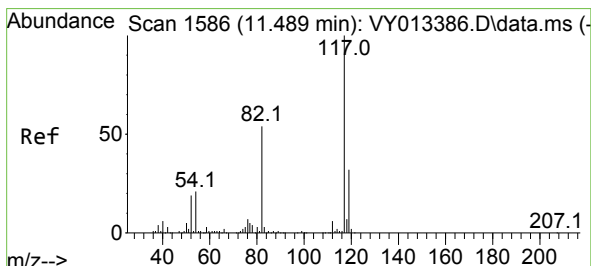
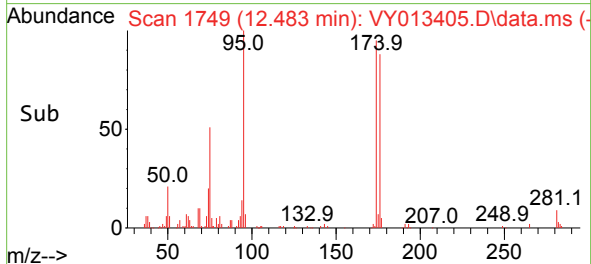
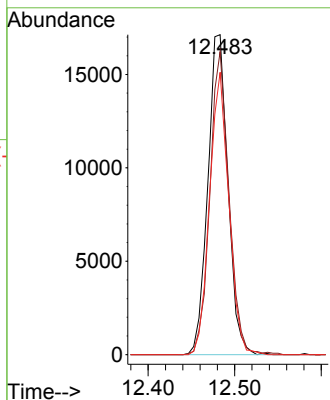
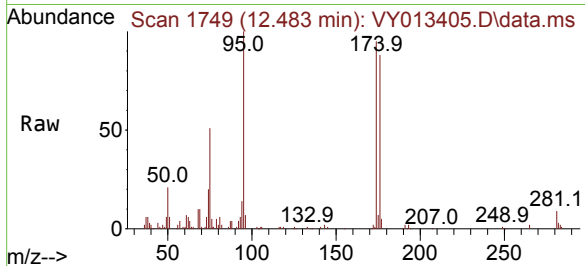




#62
4-Bromofluorobenzene
Concen: 47.382 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

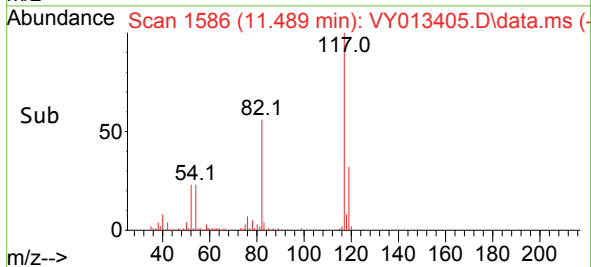
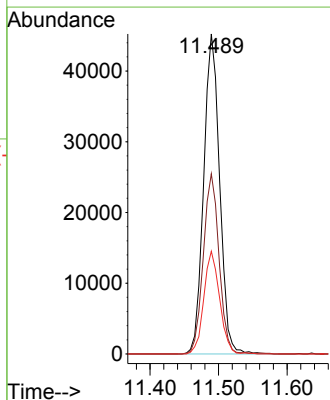
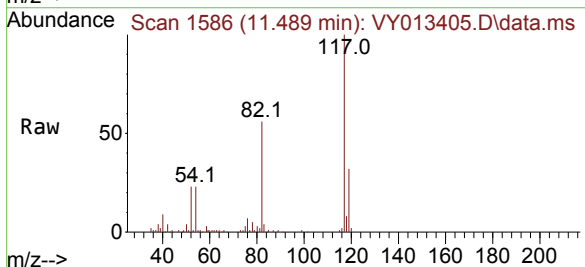
Instrument :
MSVOA_Y
ClientSampleId :
SB-13-6.5-7.0

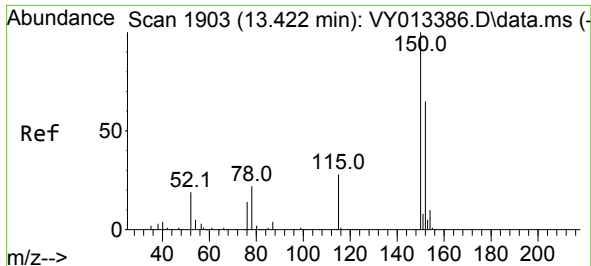
Tgt Ion: 95 Resp: 27564
Ion Ratio Lower Upper
95 100
174 90.3 0.0 182.0
176 84.7 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013405.D
Acq: 24 Apr 2023 17:03

Tgt Ion: 117 Resp: 73297
Ion Ratio Lower Upper
117 100
82 56.3 43.0 64.6
119 32.1 25.5 38.3

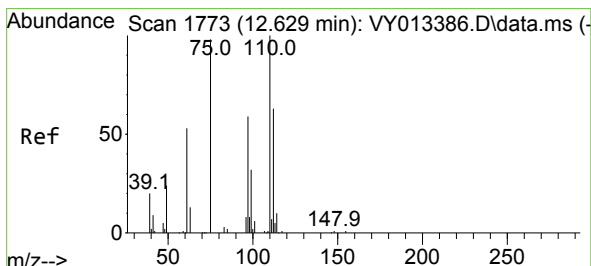
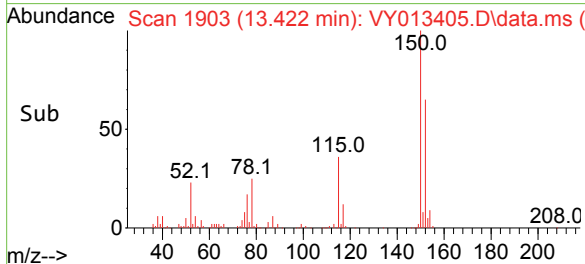
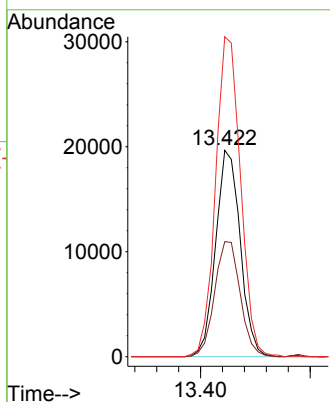
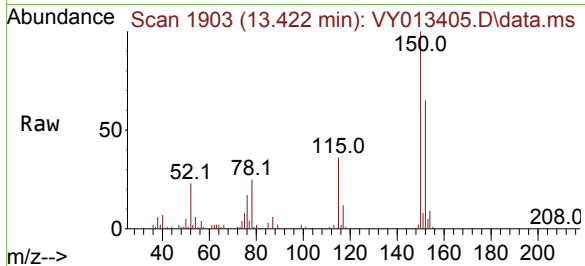




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013405.D
 Acq: 24 Apr 2023 17:03

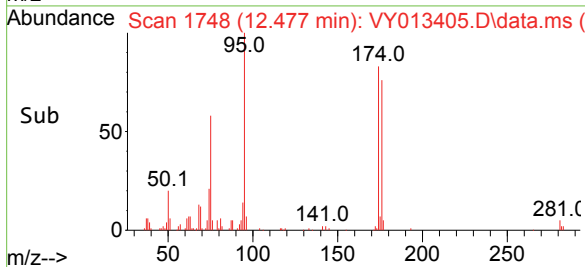
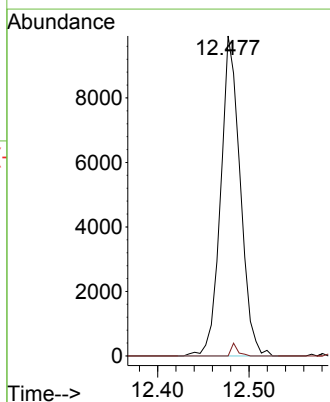
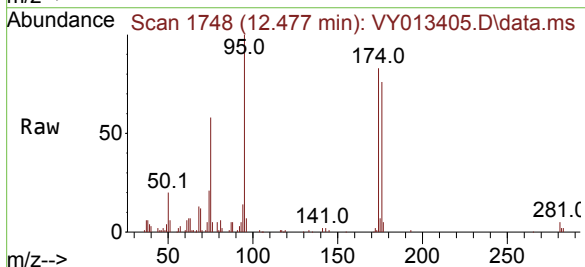
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-6.5-7.0

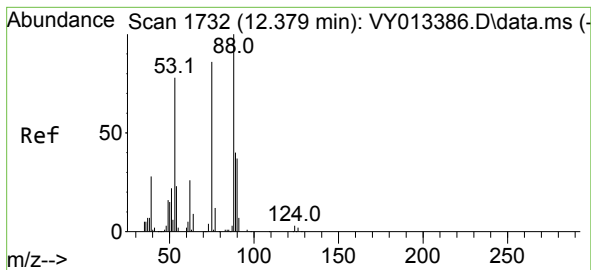
Tgt Ion:152 Resp: 30642
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.1 84.2
 150 157.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 35.630 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013405.D
 Acq: 24 Apr 2023 17:03

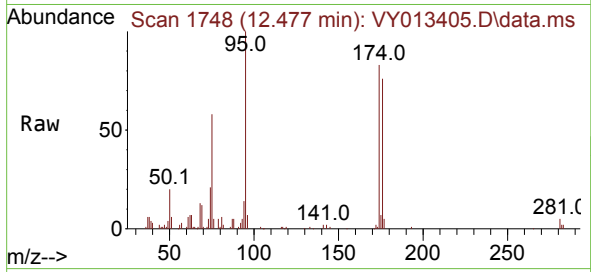
Tgt Ion: 75 Resp: 14724
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.884 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013405.D
 Acq: 24 Apr 2023 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13-6.5-7.0



Tgt Ion:	75	Resp:	14724
Ion	Ratio	Lower	Upper
75	100		
53	0.1	73.2	109.8#
89	0.0	38.0	57.0#

