

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013412.D
 Acq On : 24 Apr 2023 19:47
 Operator : KP/MD
 Sample : 02371-15
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-17-8.0-8.5RE

Quant Time: Apr 25 03:18:20 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)

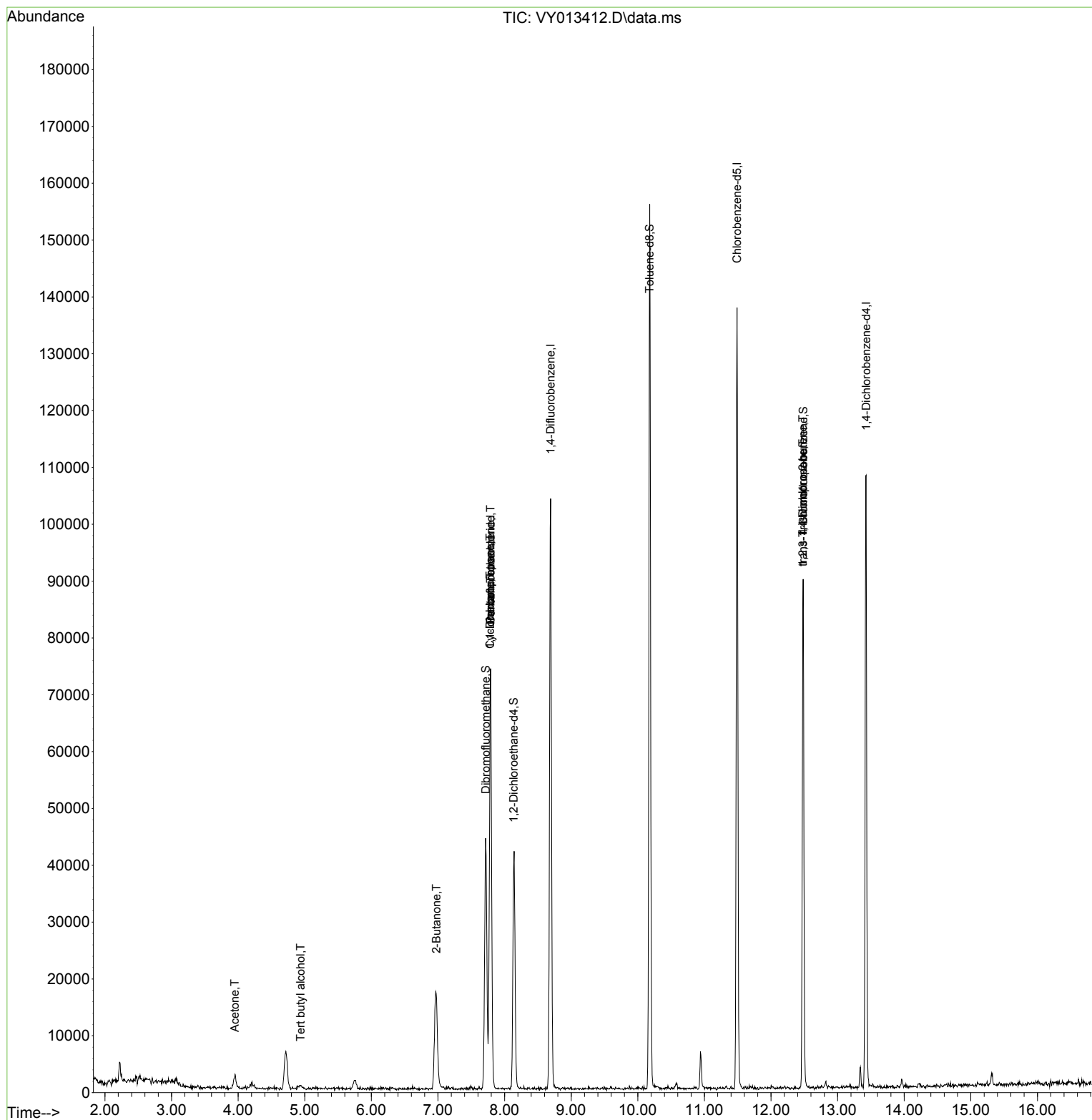
Internal Standards						
1) Pentafluorobenzene	7.789	168	56080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	85212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	74385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	29358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	33380	54.298	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.600%	
35) Dibromofluoromethane	7.716	113	30162	56.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.560%	
50) Toluene-d8	10.179	98	102345	53.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.360%	
62) 4-Bromofluorobenzene	12.483	95	26279	40.885	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	748	11.424	ug/l #	89
13) Acrolein	3.747	56	59	Below Cal	#	56
16) Acetone	3.948	43	4298	17.753	ug/l	92
20) Methylene Chloride	4.716	84	4728	Below Cal	#	76
25) 2-Butanone	6.978	43	1229	4.003	ug/l	90
31) Cyclohexane	7.783	56	1391	1.264	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	4304	4.839	ug/l #	44
38) Carbon Tetrachloride	7.789	117	6077	6.518	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	13232	33.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	13232	68.363	ug/l #	12

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

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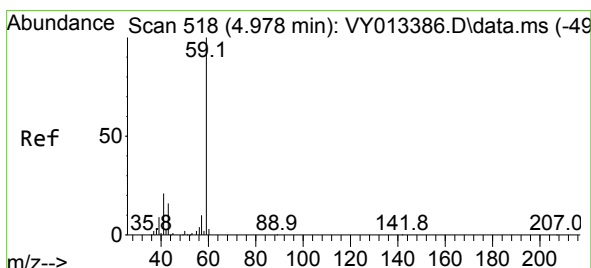
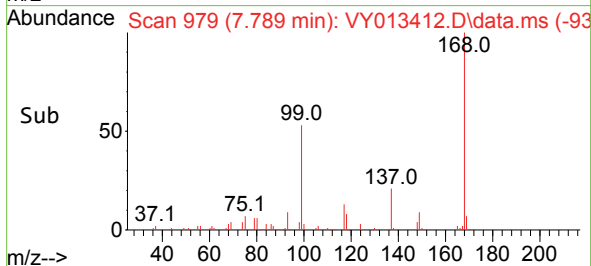
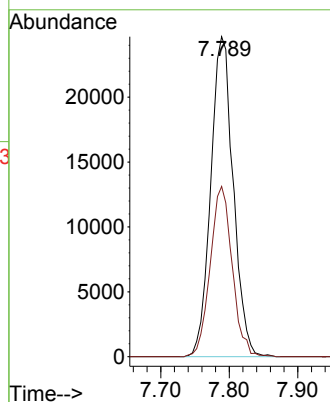
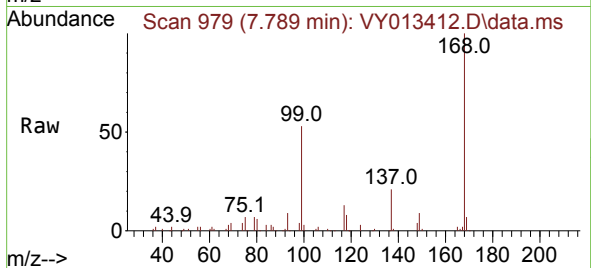




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

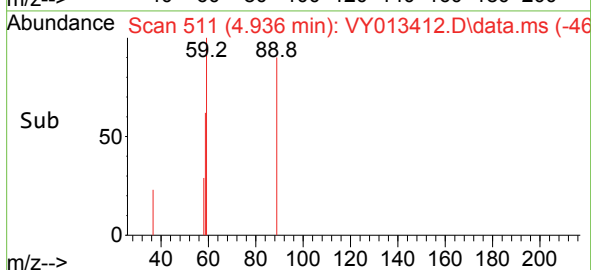
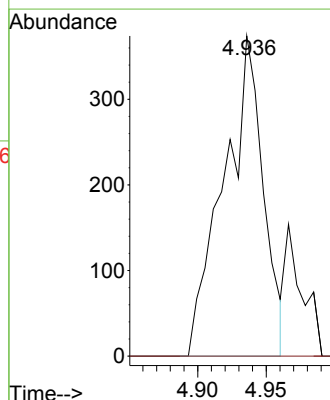
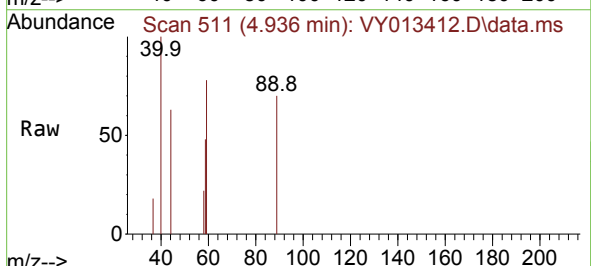
Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE

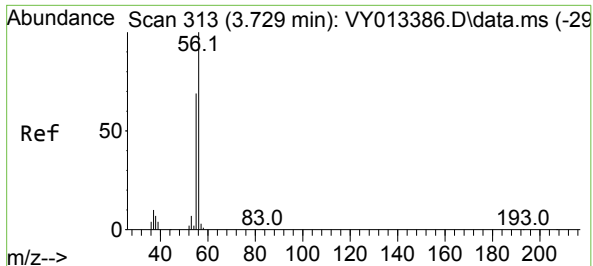
Tgt Ion:168 Resp: 56080
Ion Ratio Lower Upper
168 100
99 53.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 11.424 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.042 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 59 Resp: 748
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.747 min Scan# 313

Delta R.T. 0.018 min

Lab File: VY013412.D

Acq: 24 Apr 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

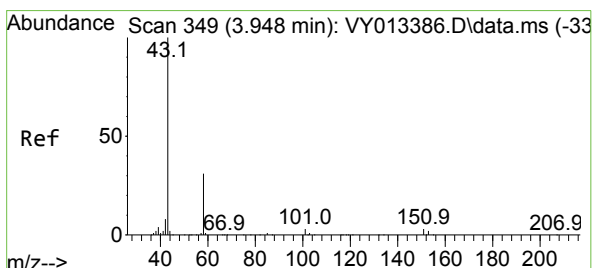
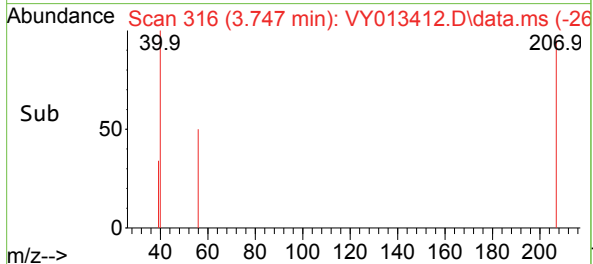
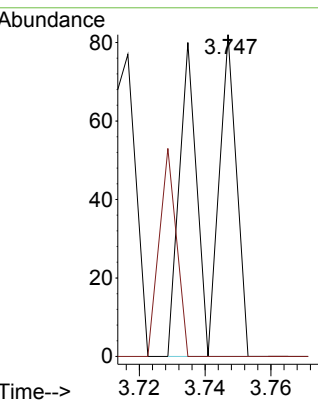
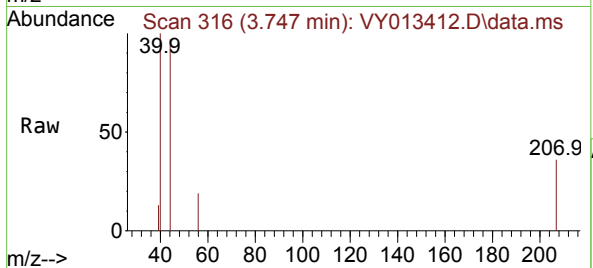
SB-17-8.0-8.5RE

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 32.2 54.1 81.1#



#16

Acetone

Concen: 17.753 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013412.D

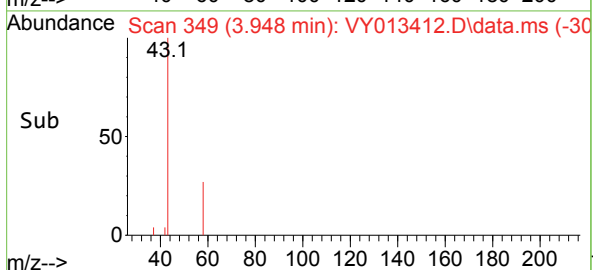
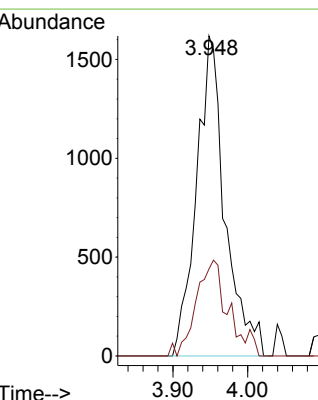
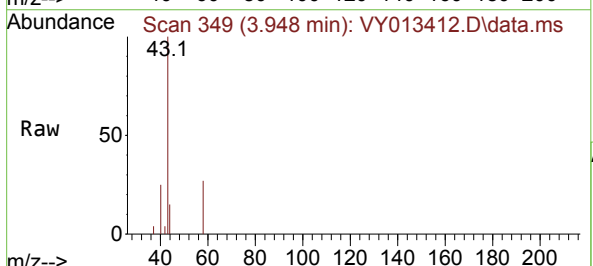
Acq: 24 Apr 2023 19:47

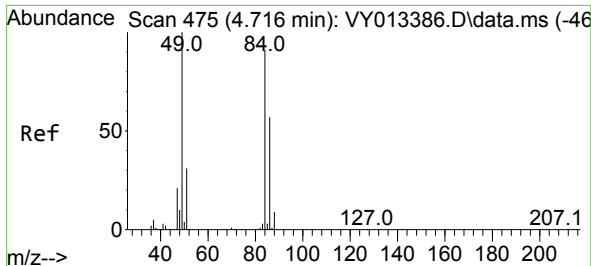
Tgt Ion: 43 Resp: 4298

Ion Ratio Lower Upper

43 100

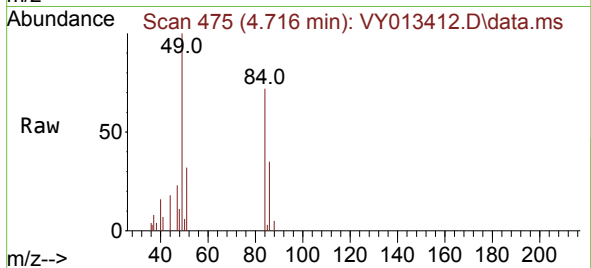
58 27.2 25.4 38.0





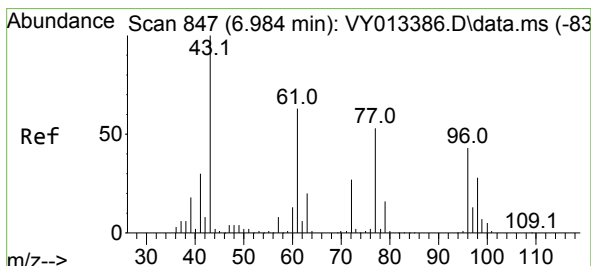
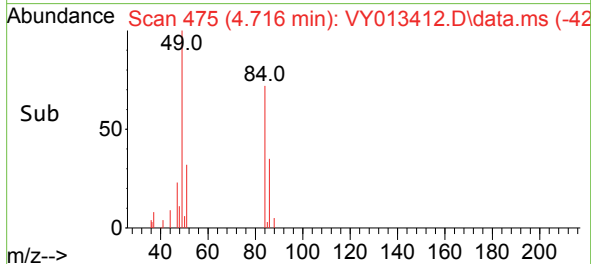
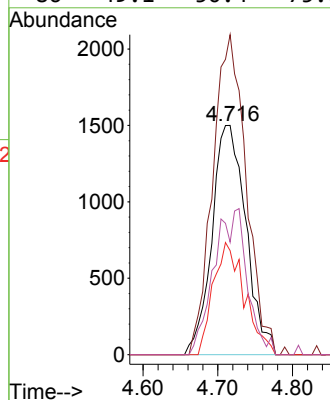
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE



Tgt Ion: 84 Resp: 4728

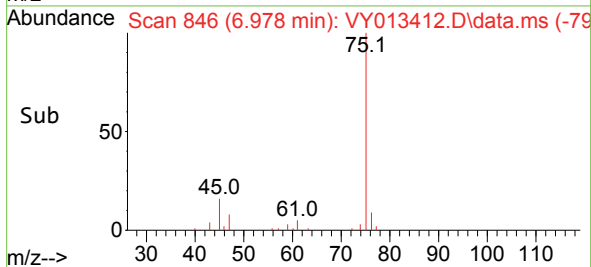
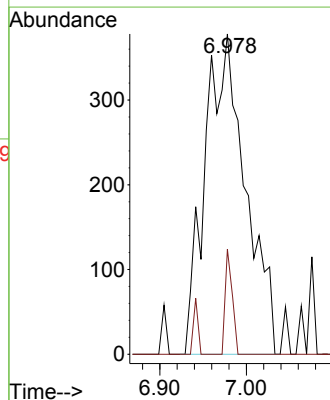
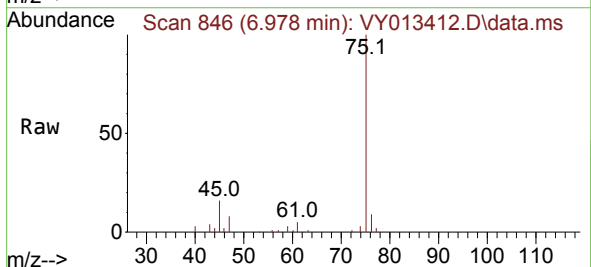
Ion	Ratio	Lower	Upper
84	100		
49	139.6	88.0	132.0#
51	45.3	27.4	41.0#
86	49.1	50.4	75.6#

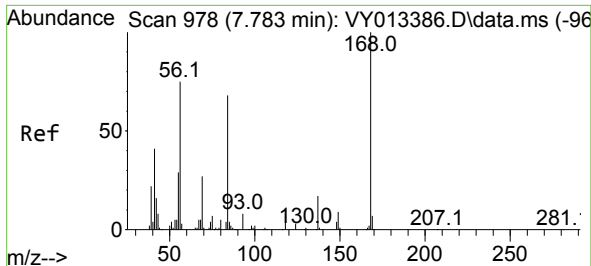


#25
2-Butanone
Concen: 4.003 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 43 Resp: 1229

Ion	Ratio	Lower	Upper
43	100		
72	32.8	21.9	32.9

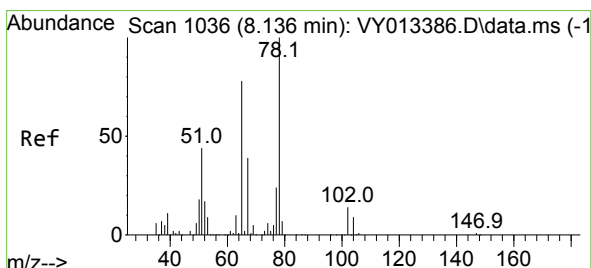
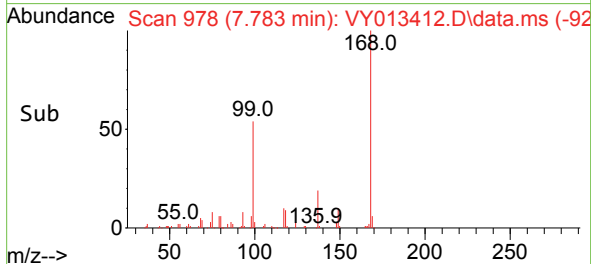
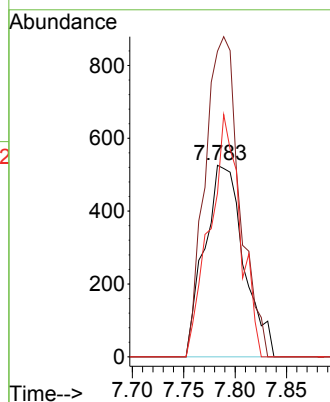
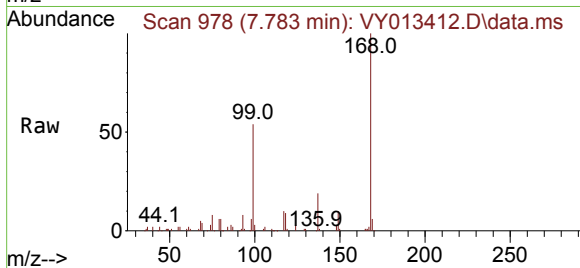




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

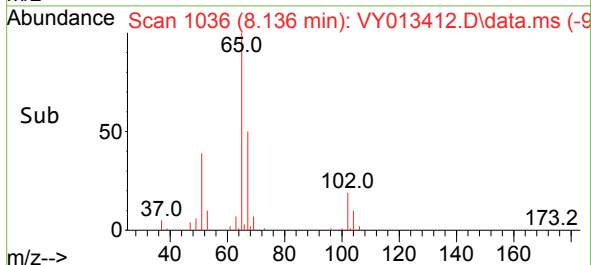
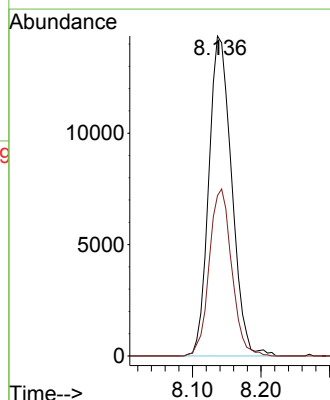
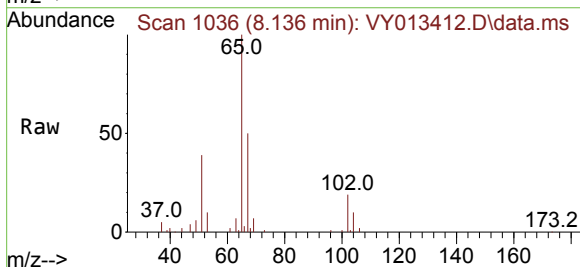
Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE

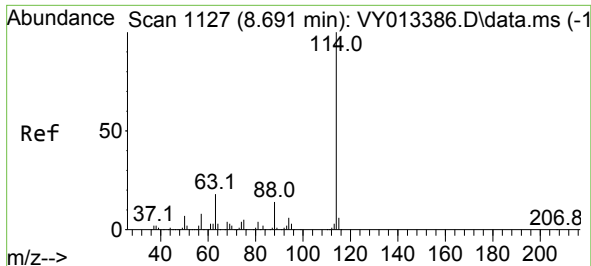
Tgt Ion: 56 Resp: 1391
Ion Ratio Lower Upper
56 100
69 159.5 29.2 43.8#
84 85.4 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 54.298 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 65 Resp: 33380
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4

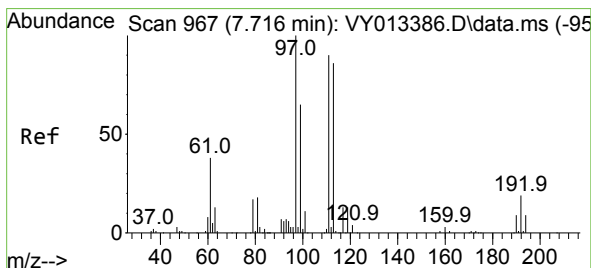
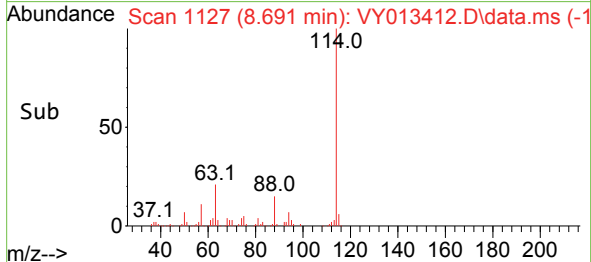
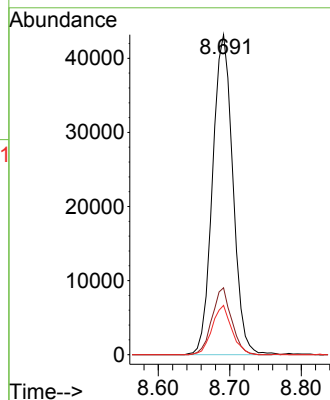
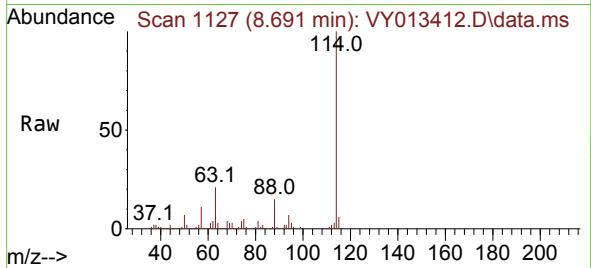




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

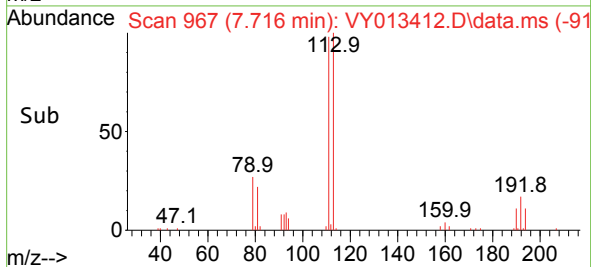
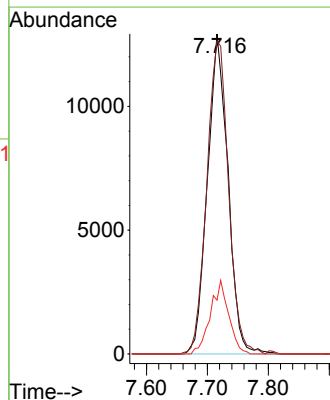
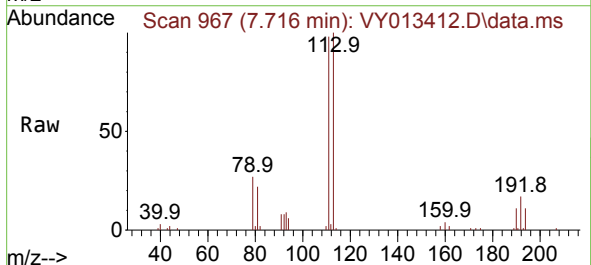
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ClientSampleId :
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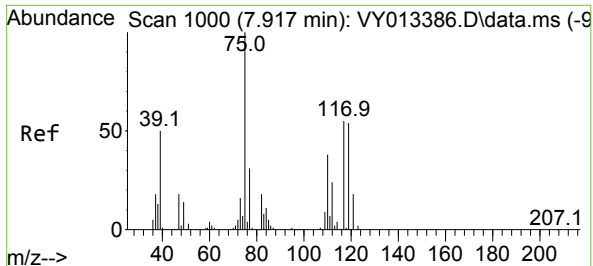
Tgt Ion:	114	Resp:	85212
Ion Ratio	Lower	Upper	
114	100		
63	20.9	0.0	36.6
88	15.4	0.0	28.8



#35
Dibromofluoromethane
Concen: 56.278 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion:	113	Resp:	30162
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.2	123.2
192	20.6	16.7	25.1

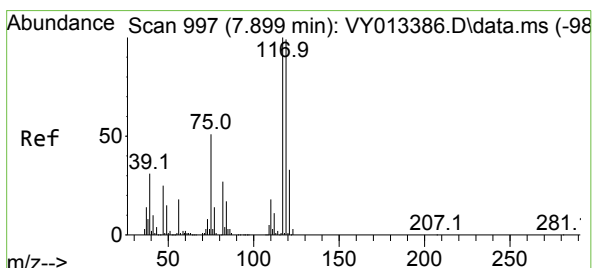
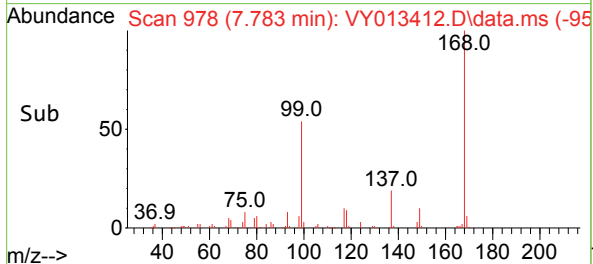
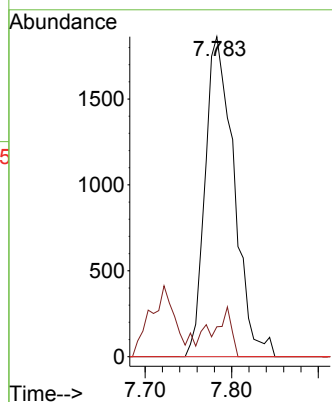
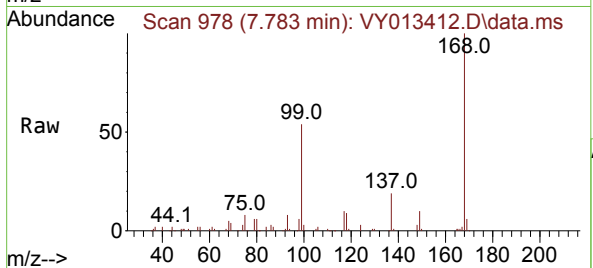




#36
1,1-Dichloropropene
Concen: 4.839 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

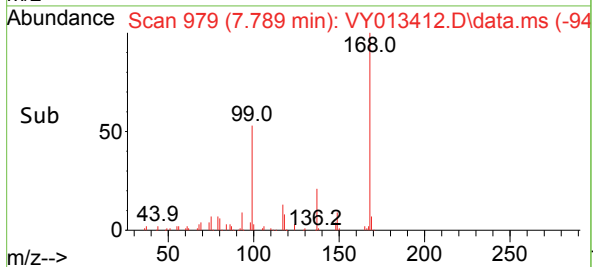
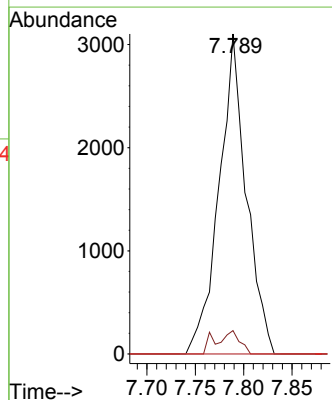
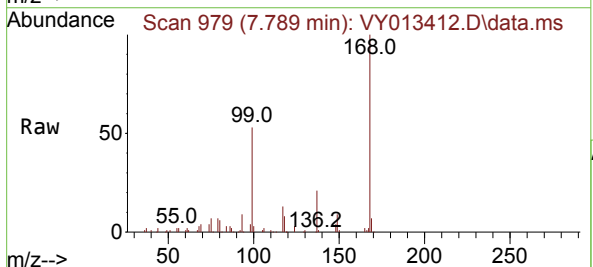
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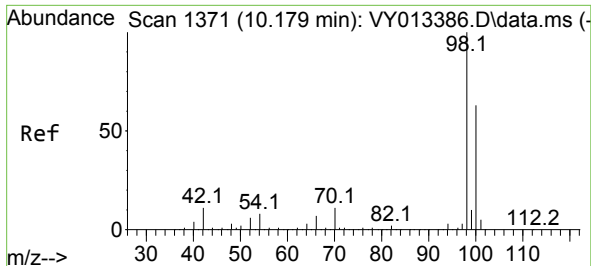
Tgt Ion: 75 Resp: 4304
Ion Ratio Lower Upper
75 100
110 3.8 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.518 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 117 Resp: 6077
Ion Ratio Lower Upper
117 100
119 7.3 79.0 118.6#
121 0.0 26.6 40.0#

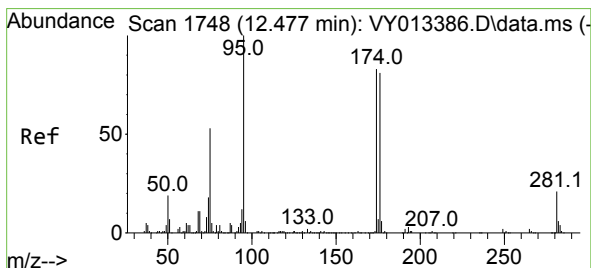
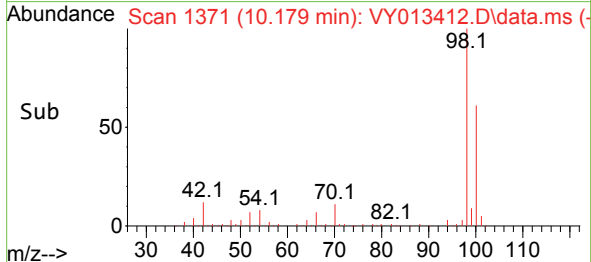
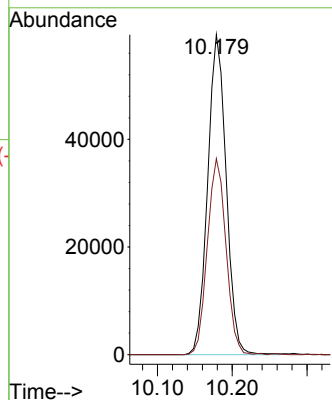
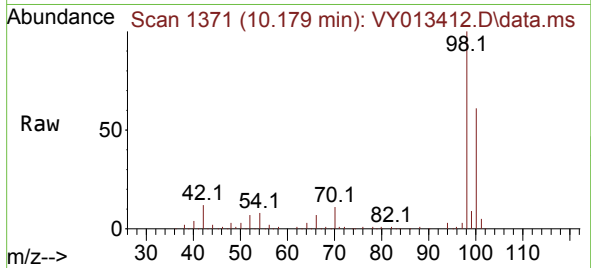




#50
Toluene-d8
Concen: 53.680 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

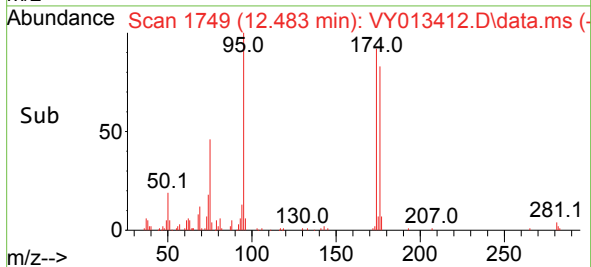
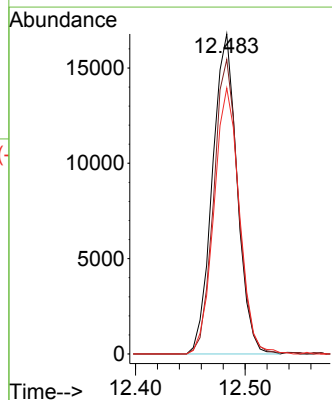
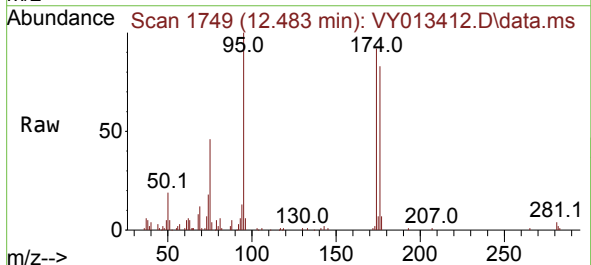
Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE

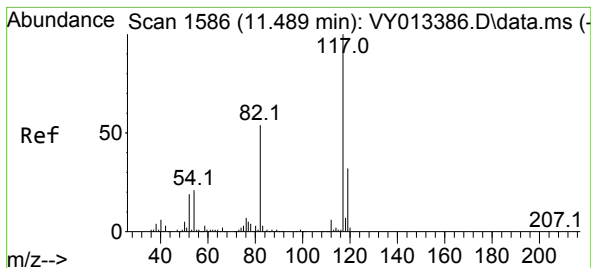
Tgt Ion: 98 Resp: 102345
Ion Ratio Lower Upper
98 100
100 61.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 40.885 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 95 Resp: 26279
Ion Ratio Lower Upper
95 100
174 91.7 0.0 182.0
176 85.9 0.0 175.4

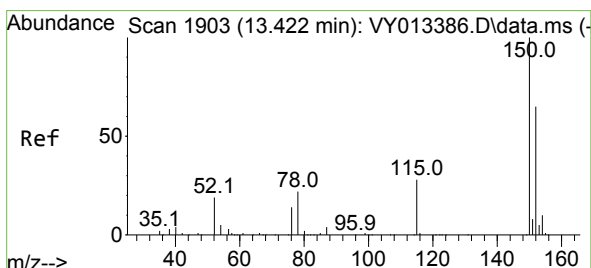
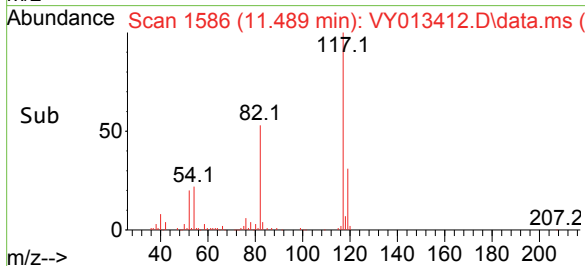
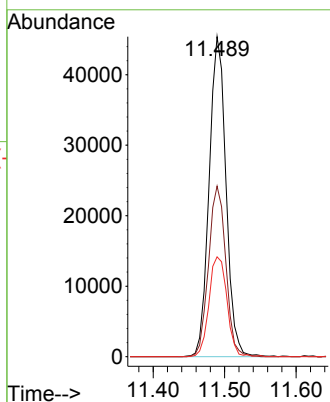
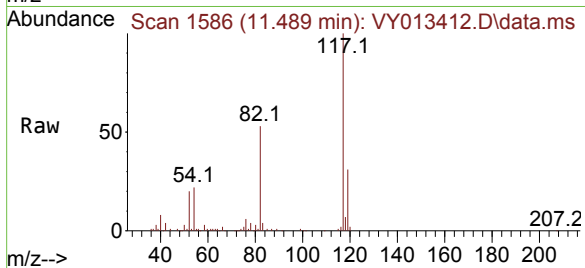




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

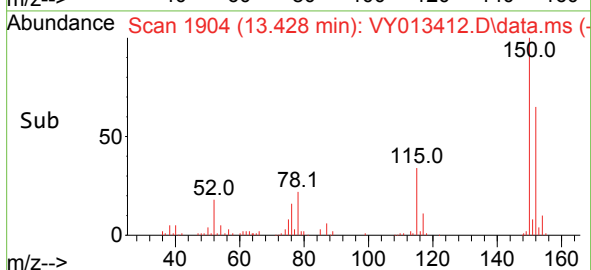
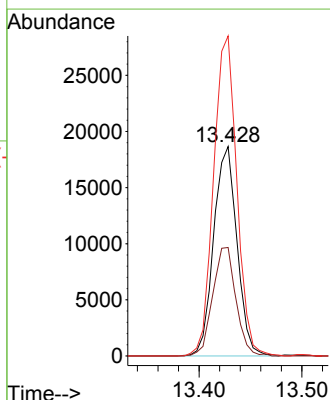
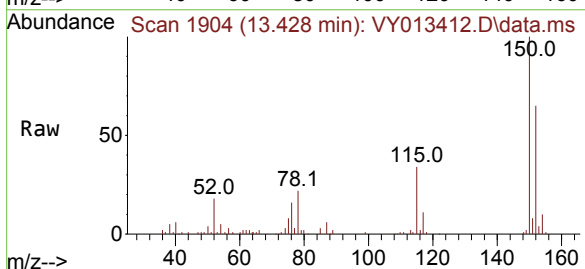
Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE

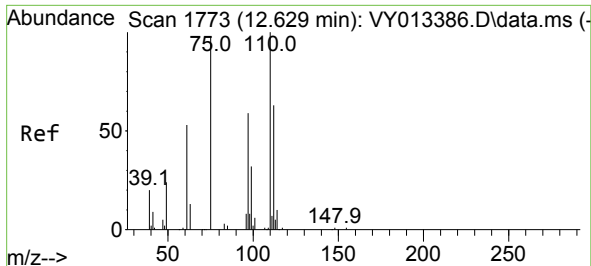
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.0	64.6
119	31.2	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.6	28.1	84.2
150	152.2	0.0	352.0

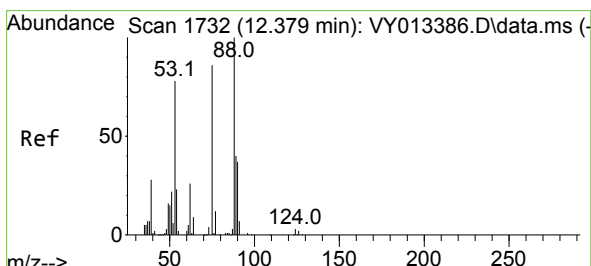
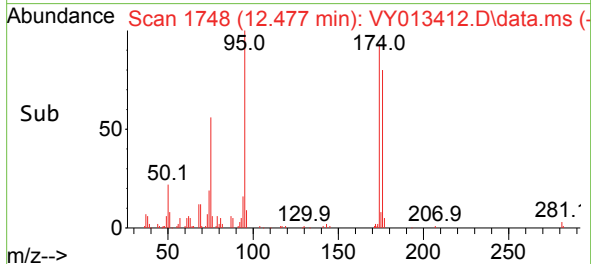
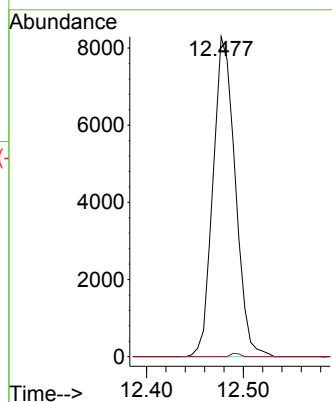
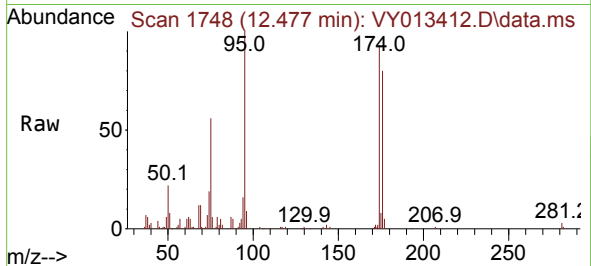




#76
1,2,3-Trichloropropane
Concen: 33.420 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Instrument :
MSVOA_Y
ClientSampleId :
SB-17-8.0-8.5RE

Tgt Ion: 75 Resp: 13232
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.363 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013412.D
Acq: 24 Apr 2023 19:47

Tgt Ion: 75 Resp: 13232
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

