

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013411.D
 Acq On : 24 Apr 2023 19:24
 Operator : KP/MD
 Sample : 02371-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-19-8.0-8.5RE

Quant Time: Apr 25 03:17:53 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	52745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	70053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	51935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	16353	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	21630	37.409	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.820%
35) Dibromofluoromethane	7.722	113	22090	50.136	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.179	98	80387	51.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.483	95	16488	31.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.400%

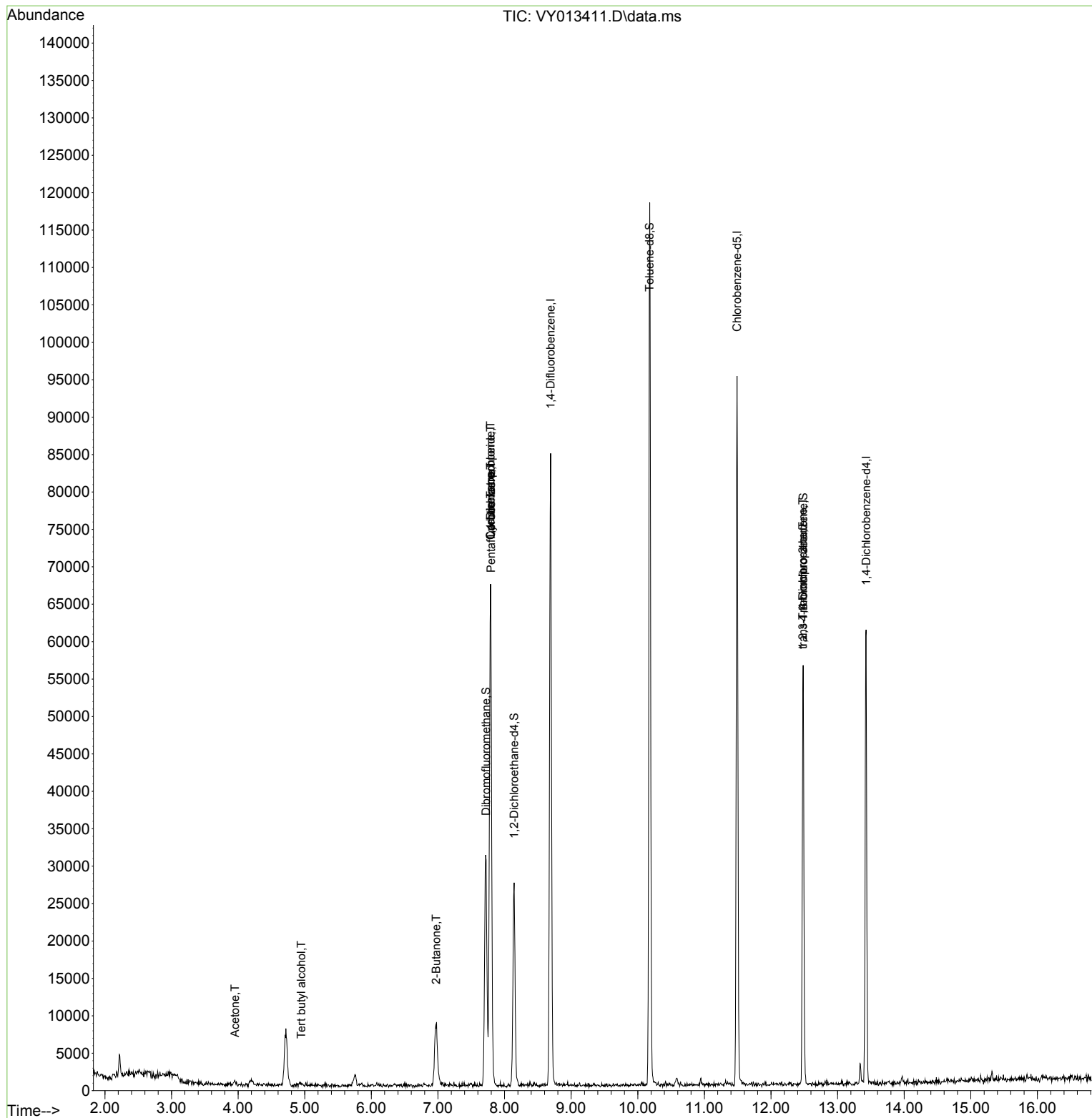
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	289	5.076	ug/l	# 89
13) Acrolein	3.723	56	56	Below Cal		# 16
16) Acetone	3.954	43	827	3.632	ug/l	93
20) Methylene Chloride	4.723	84	5171	Below Cal		92
25) 2-Butanone	6.972	43	536	1.856	ug/l	# 47
31) Cyclohexane	7.789	56	1292	1.248	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	3859	5.277	ug/l	# 54
38) Carbon Tetrachloride	7.789	117	5137	6.703	ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	8299	37.630	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	8299	76.975	ug/l	# 13

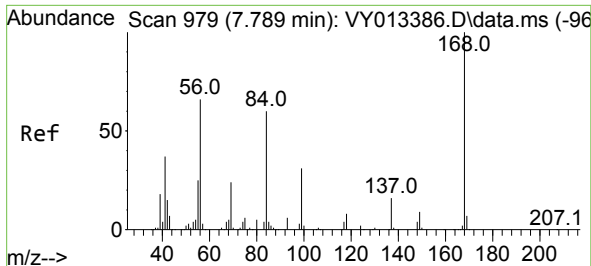
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 25 02:39:58 2023
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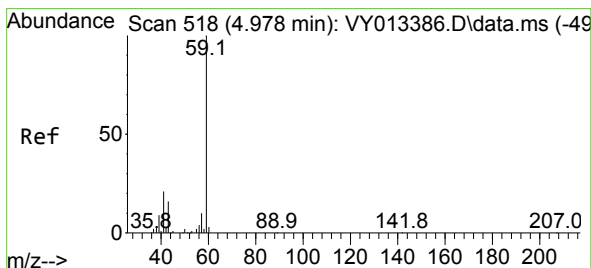
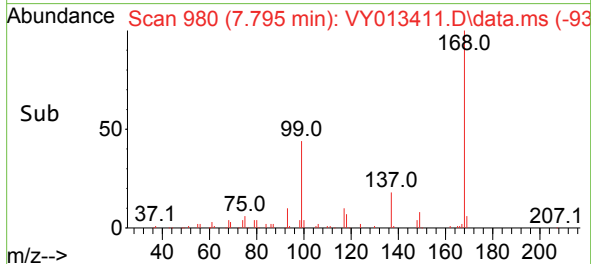
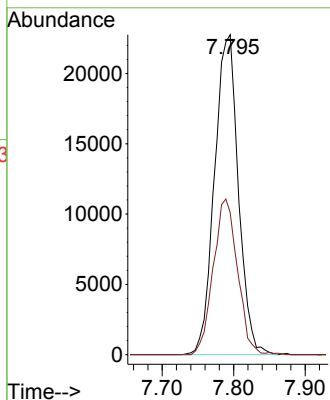
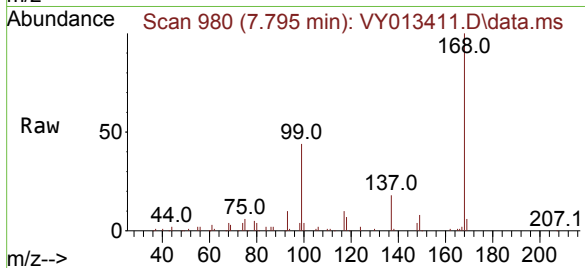




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

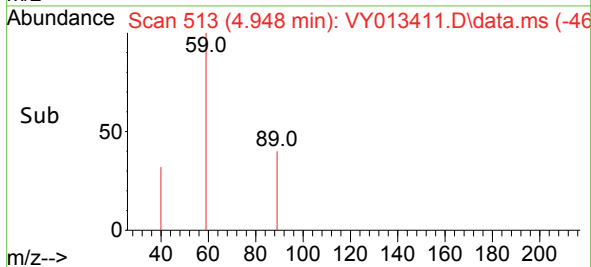
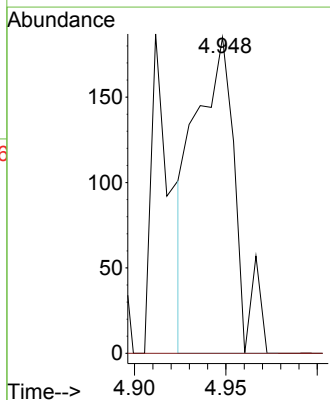
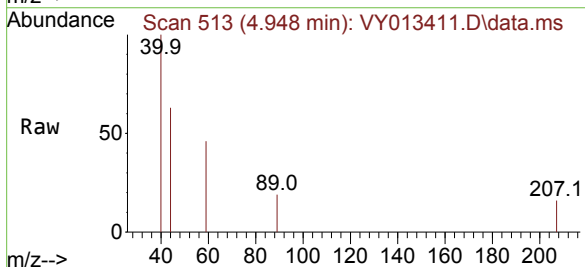
Instrument :
MSVOA_Y
ClientSampleId :
SB-19-8.0-8.5RE

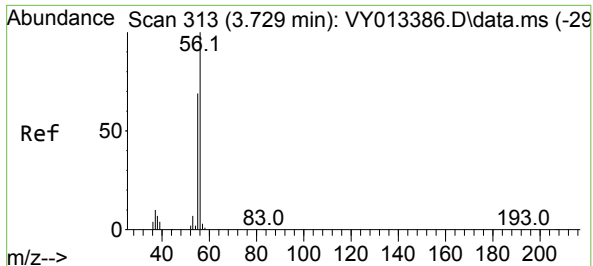
Tgt Ion:168 Resp: 52745
Ion Ratio Lower Upper
168 100
99 44.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 5.076 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

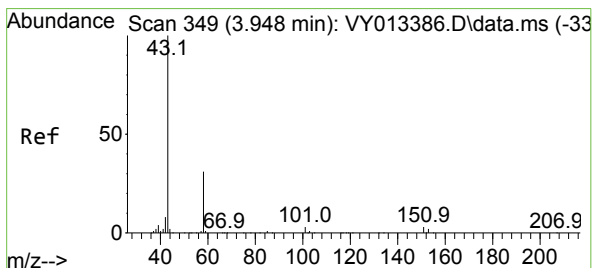
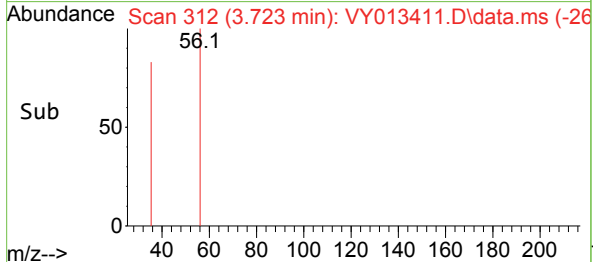
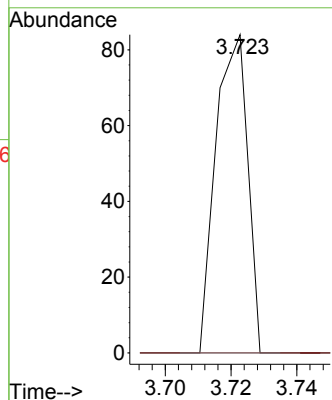
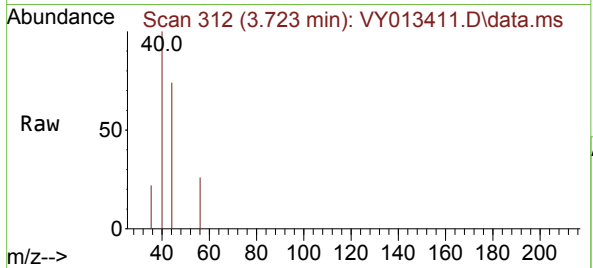




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

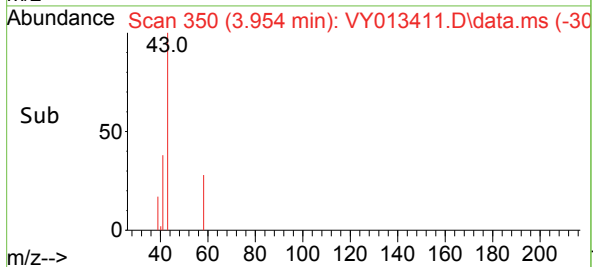
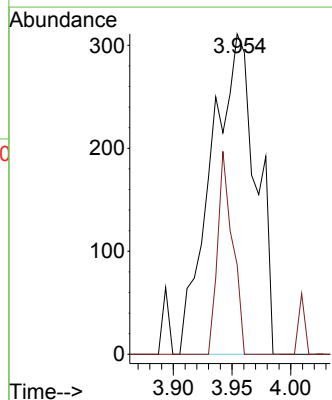
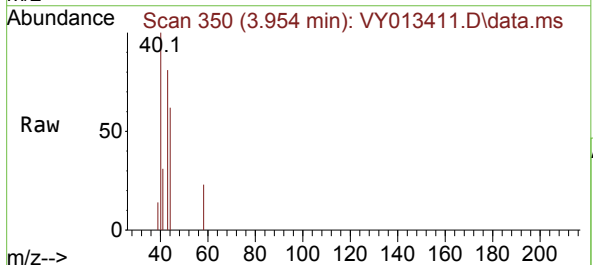
Instrument :
MSVOA_Y
ClientSampleId :
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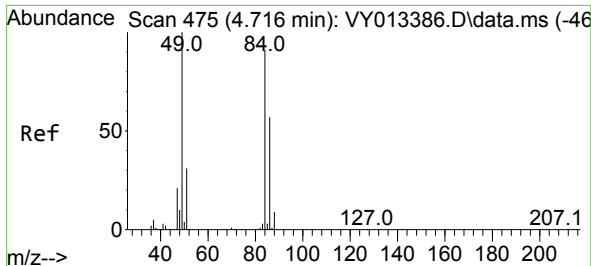
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 3.632 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 43 Resp: 827
Ion Ratio Lower Upper
43 100
58 28.0 25.4 38.0

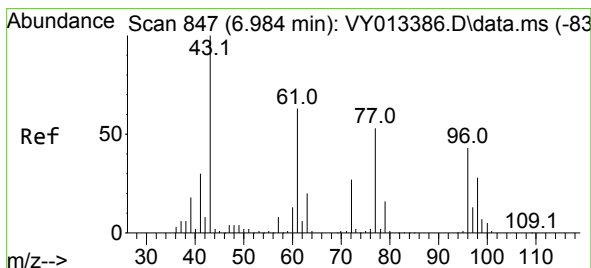
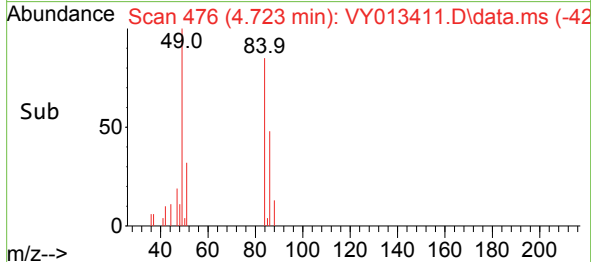
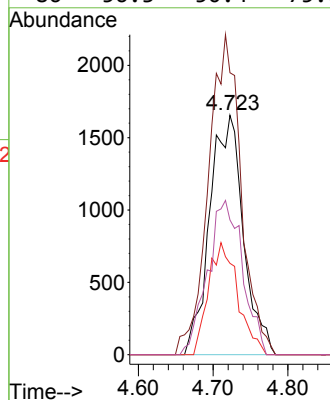
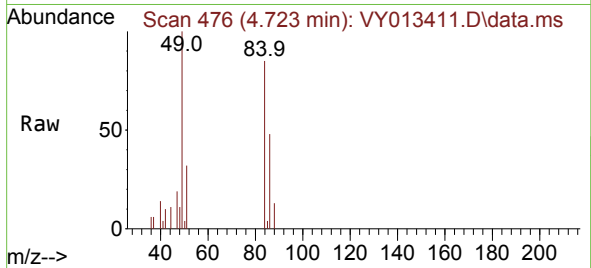




#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

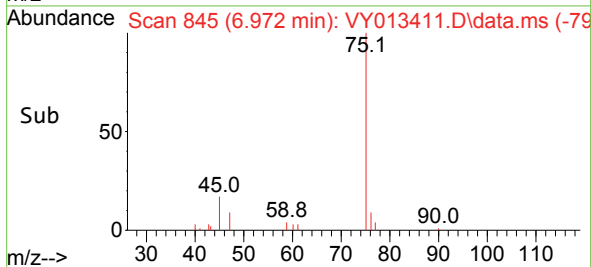
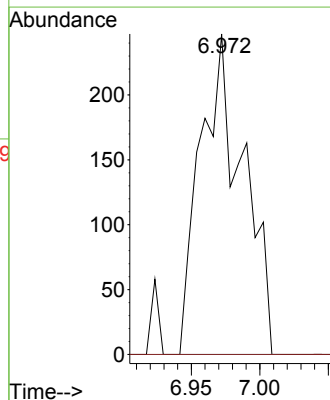
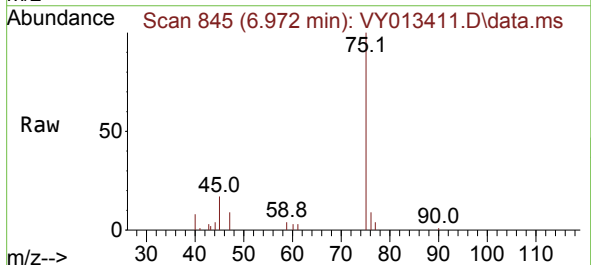
Instrument :
MSVOA_Y
ClientSampleId :
SB-19-8.0-8.5RE

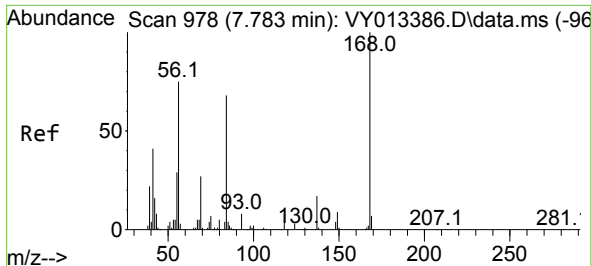
Tgt Ion: 84 Resp: 5171
Ion Ratio Lower Upper
84 100
49 117.8 88.0 132.0
51 38.2 27.4 41.0
86 56.3 50.4 75.6



#25
2-Butanone
Concen: 1.856 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#

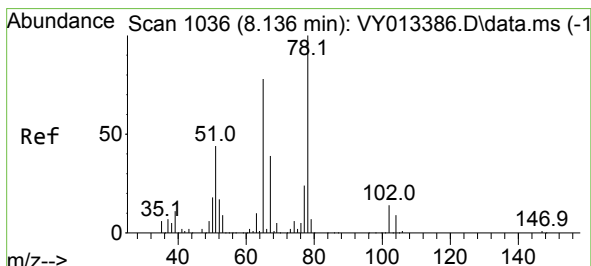
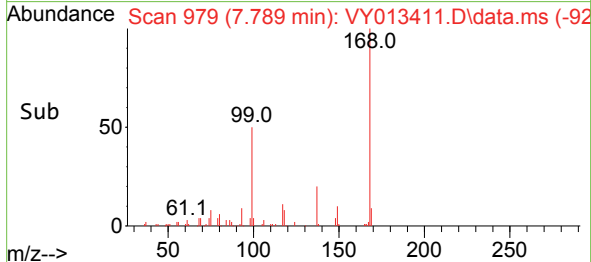
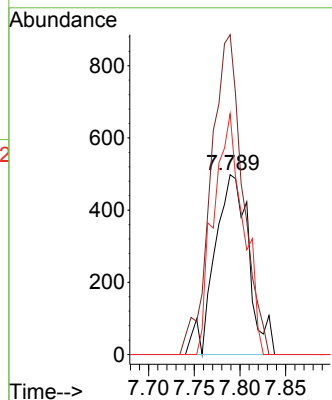
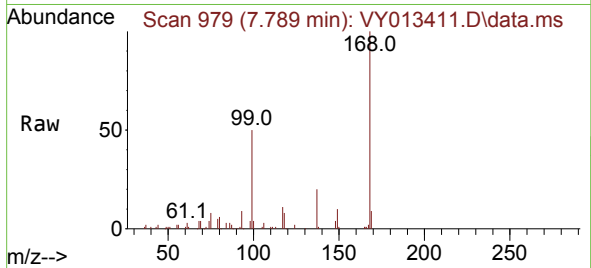




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

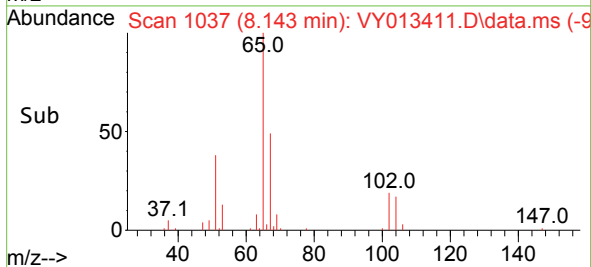
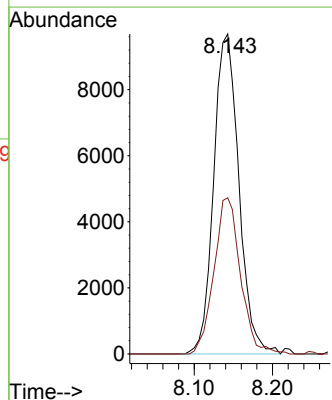
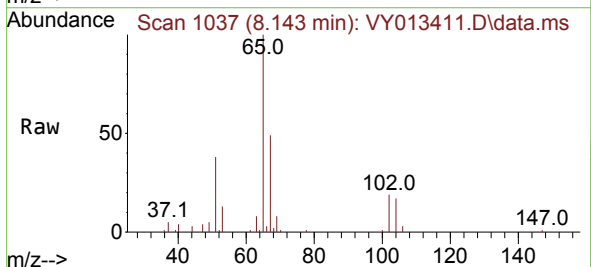
Instrument :
MSVOA_Y
ClientSampleId :
SB-19-8.0-8.5RE

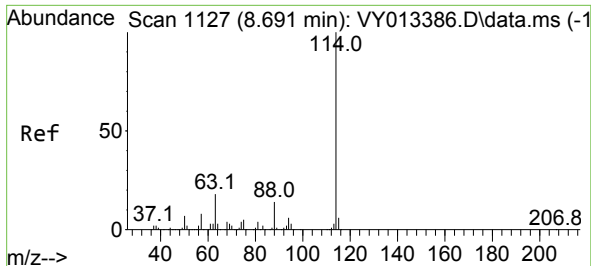
Tgt Ion: 56 Resp: 1292
Ion Ratio Lower Upper
56 100
69 177.9 29.2 43.8#
84 133.9 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 37.409 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 65 Resp: 21630
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

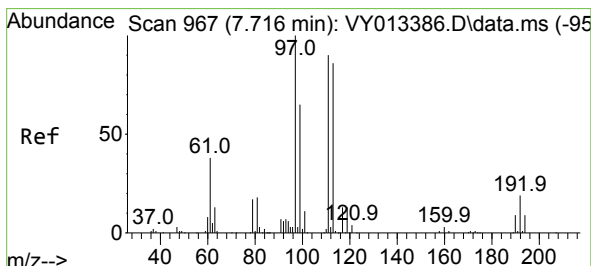
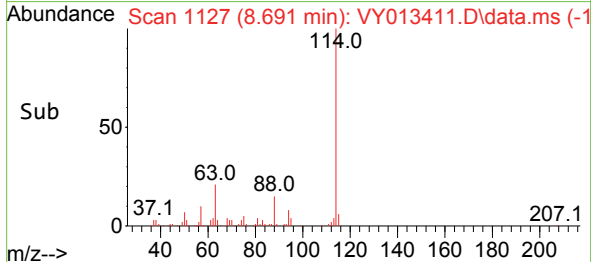
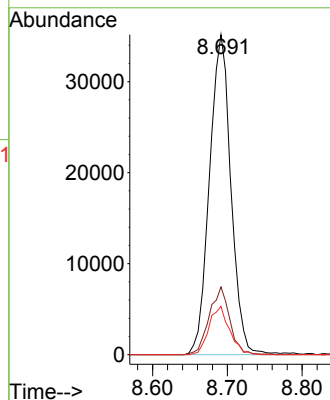
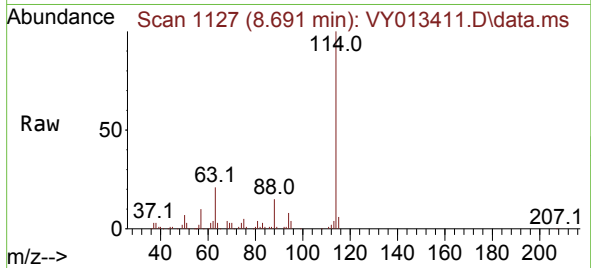




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

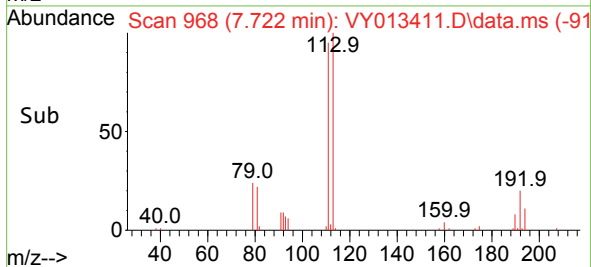
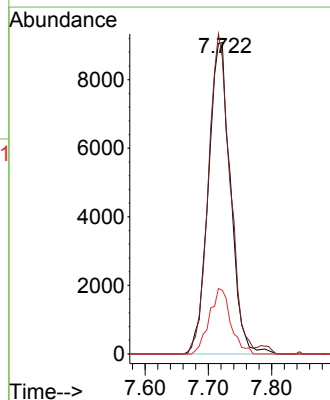
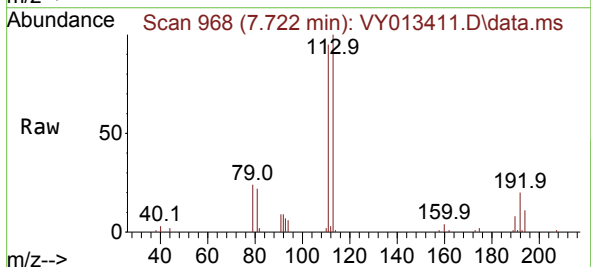
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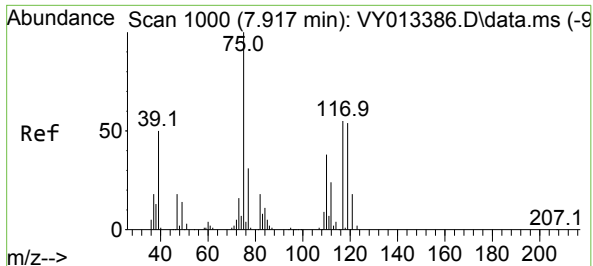
Tgt Ion:	114	Resp:	70053
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	36.6
88	15.1	0.0	28.8



#35
Dibromofluoromethane
Concen: 50.136 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion:	113	Resp:	22090
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.2	123.2
192	20.3	16.7	25.1

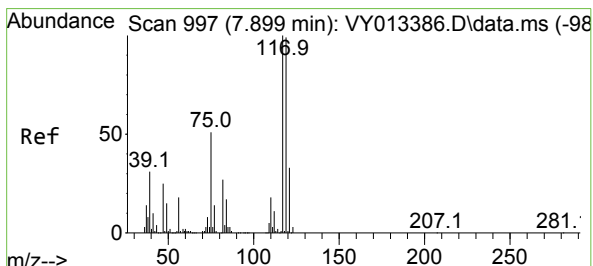
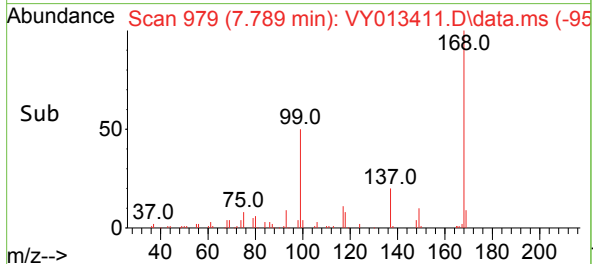
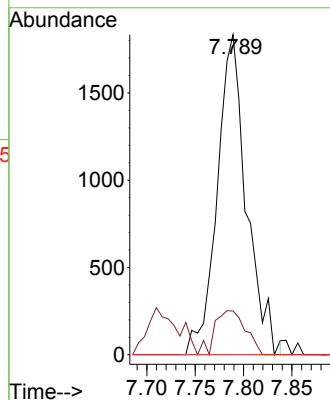
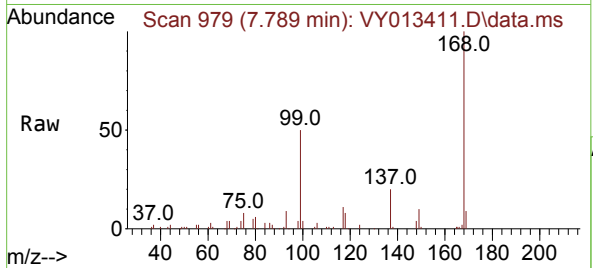




#36
1,1-Dichloropropene
Concen: 5.277 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

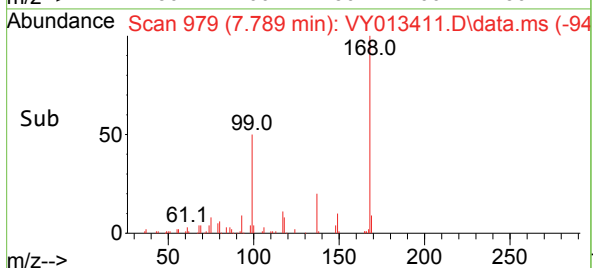
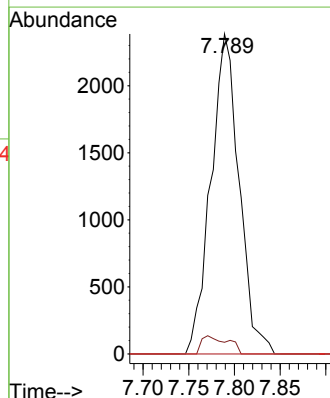
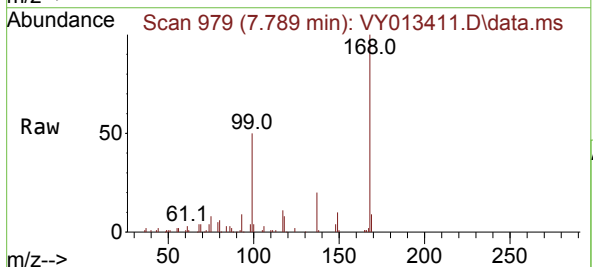
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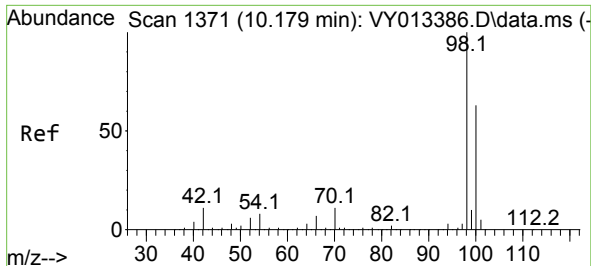
Tgt Ion: 75 Resp: 3859
Ion Ratio Lower Upper
75 100
110 14.5 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.703 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 117 Resp: 5137
Ion Ratio Lower Upper
117 100
119 3.6 79.0 118.6#
121 0.0 26.6 40.0#

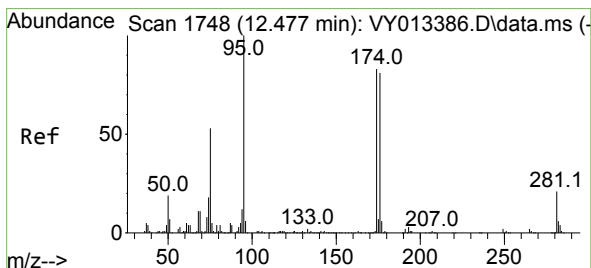
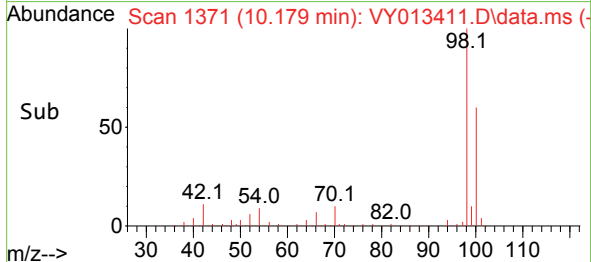
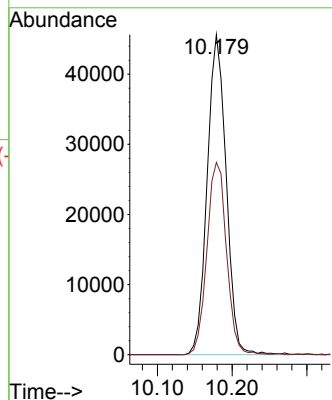
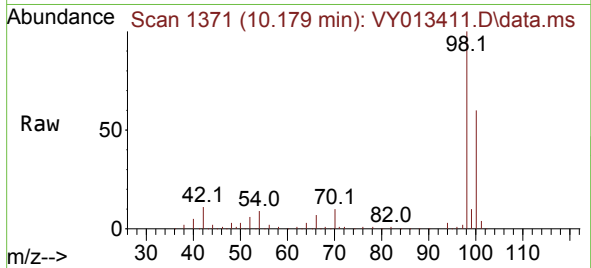




#50
Toluene-d8
Concen: 51.287 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

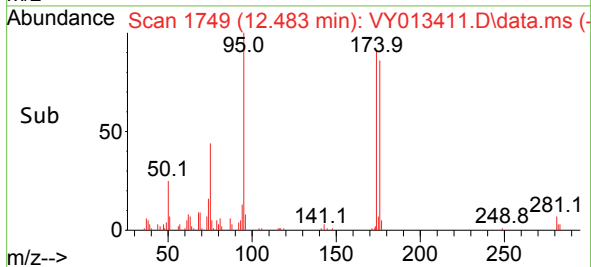
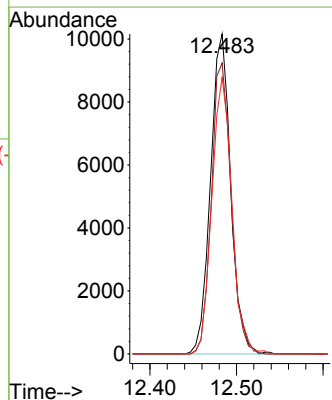
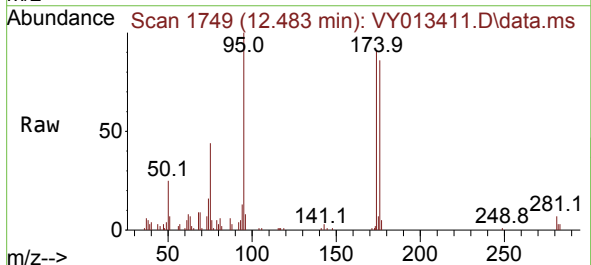
Instrument :
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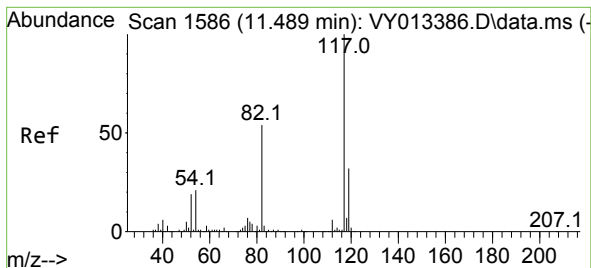
Tgt Ion: 98 Resp: 80387
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 31.203 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 95 Resp: 16488
Ion Ratio Lower Upper
95 100
174 88.5 0.0 182.0
176 86.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013411.D

Acq: 24 Apr 2023 19:24

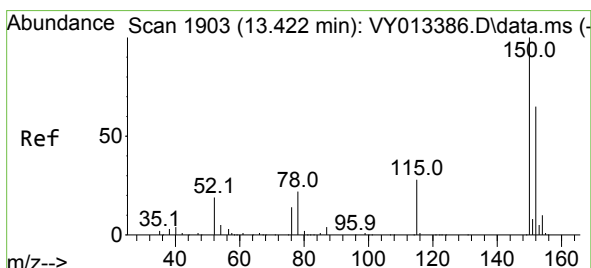
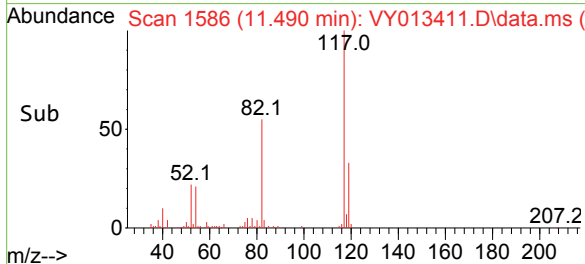
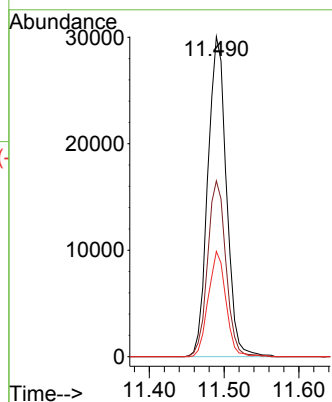
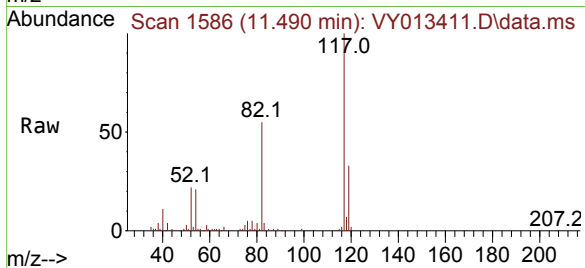
Instrument :

MSVOA_Y

ClientSampleId :

SB-19-8.0-8.5RE

Tgt Ion:117	Resp:	51935
Ion Ratio	Lower	Upper
117	100	
82	54.9	43.0 64.6
119	32.9	25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

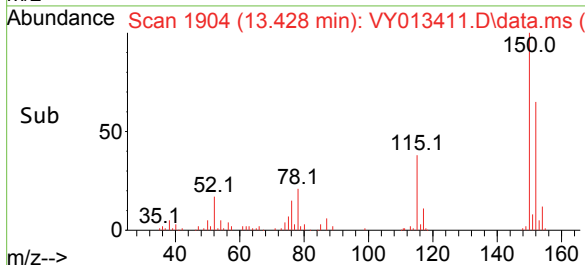
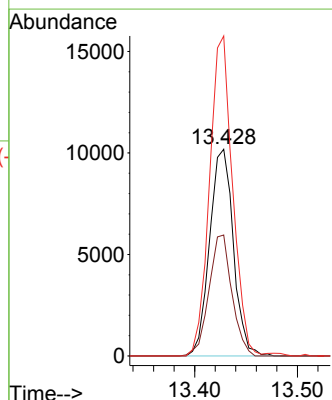
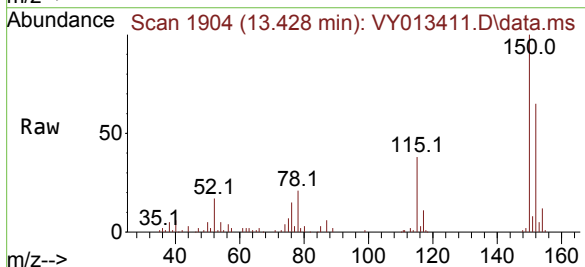
RT: 13.428 min Scan# 1904

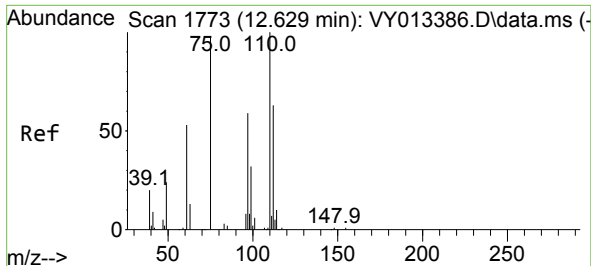
Delta R.T. 0.006 min

Lab File: VY013411.D

Acq: 24 Apr 2023 19:24

Tgt Ion:152	Resp:	16353
Ion Ratio	Lower	Upper
152	100	
115	56.6	28.1 84.2
150	150.2	0.0 352.0

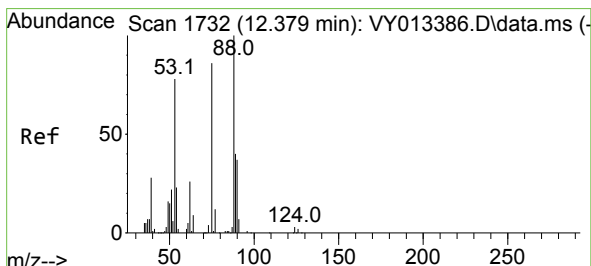
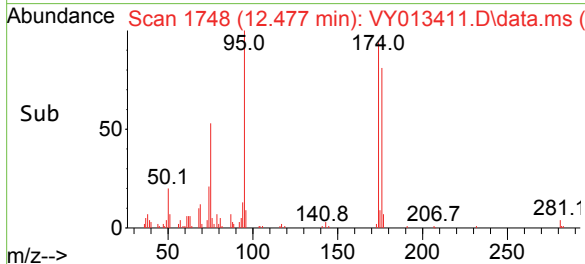
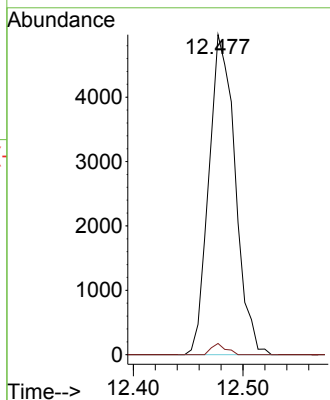
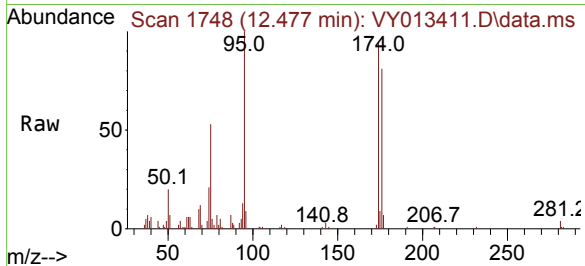




#76
1,2,3-Trichloropropane
Concen: 37.630 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Instrument :
MSVOA_Y
ClientSampleId :
SB-19-8.0-8.5RE

Tgt Ion: 75 Resp: 8299
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.975 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013411.D
Acq: 24 Apr 2023 19:24

Tgt Ion: 75 Resp: 8299
Ion Ratio Lower Upper
75 100
53 0.4 73.2 109.8#
89 0.9 38.0 57.0#

