

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013440.D
 Acq On : 25 Apr 2023 12:46
 Operator : KP/MD
 Sample : 02406-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-15-8.5-9.0

Quant Time: Apr 25 15:12:11 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)

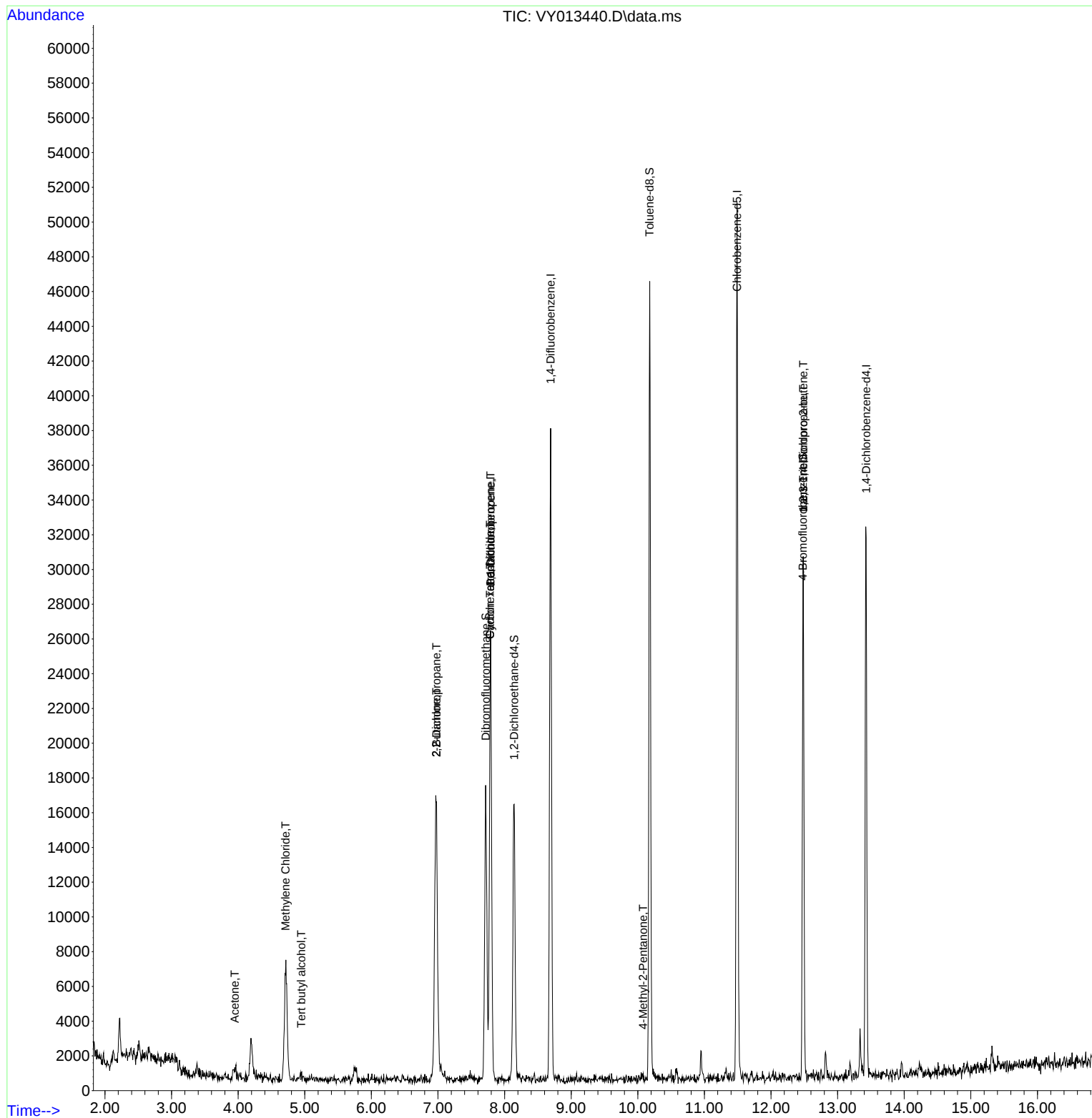
Internal Standards						
1) Pentafluorobenzene	7.789	168	19046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	31181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	27065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12696	60.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.620%	
35) Dibromofluoromethane	7.716	113	11343	57.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.680%	
50) Toluene-d8	10.179	98	30556	43.798	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.600%	
62) 4-Bromofluorobenzene	12.477	95	7649	32.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	153	7.139	ug/l #	89
13) Acrolein	3.716	56	63	Below Cal	#	16
16) Acetone	3.948	43	715	8.696	ug/l #	71
20) Methylene Chloride	4.710	84	4558	11.460	ug/l #	83
25) 2-Butanone	6.978	43	860	8.247	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	1349	3.913	ug/l #	52
31) Cyclohexane	7.783	56	514	1.375	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	1582	4.861	ug/l #	42
38) Carbon Tetrachloride	7.783	117	1964	5.757	ug/l #	15
51) 4-Methyl-2-Pentanone	10.081	43	381	1.654	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	4481	38.550	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4481	78.857	ug/l #	12

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

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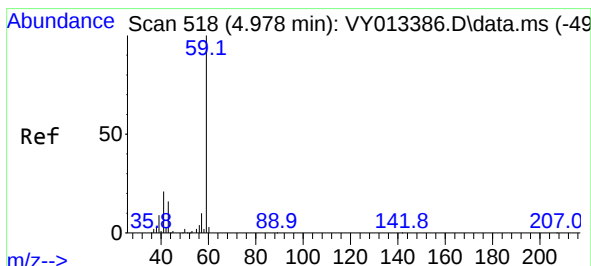
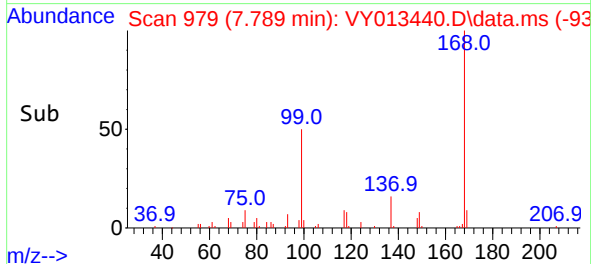
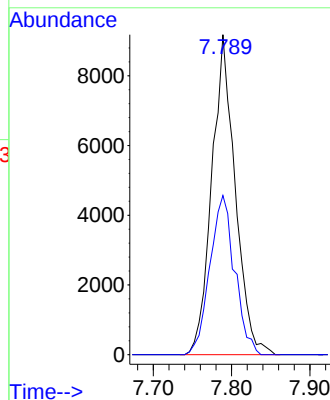
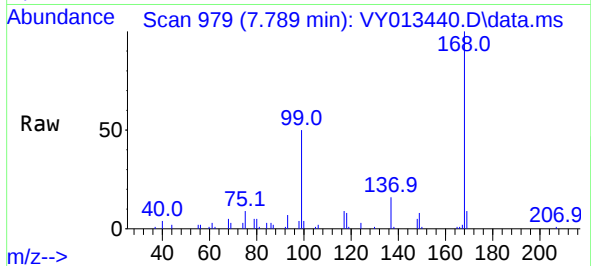




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

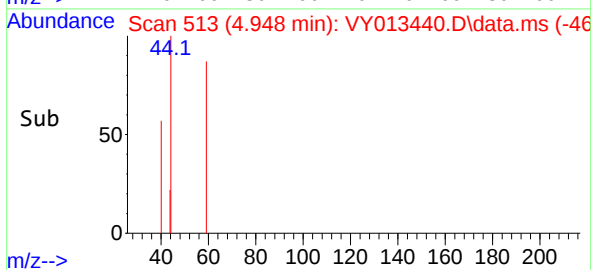
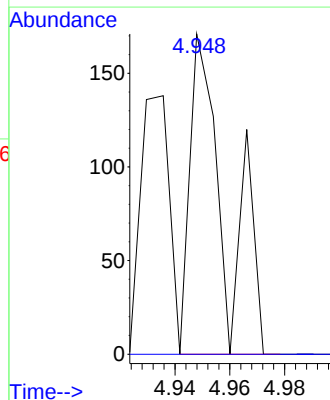
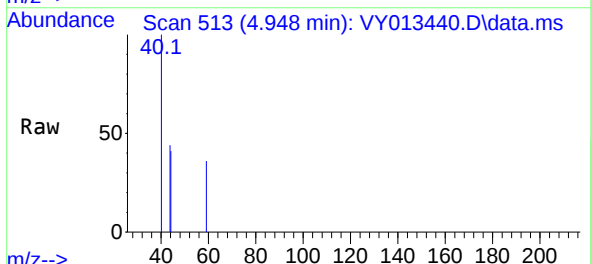
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

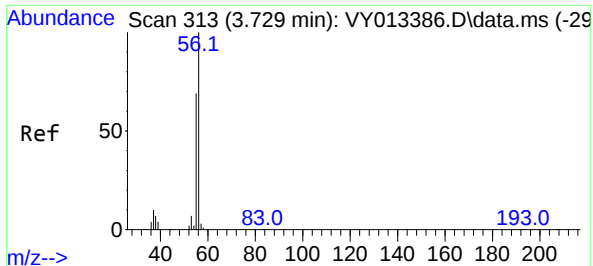
Tgt Ion:168 Resp: 19046
Ion Ratio Lower Upper
168 100
99 49.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 7.139 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

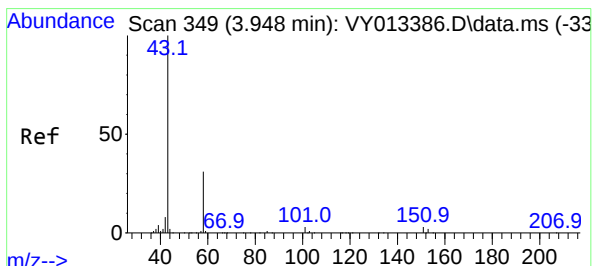
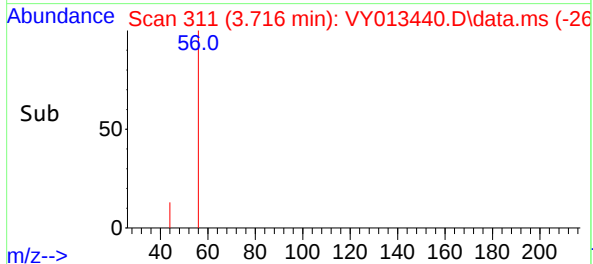
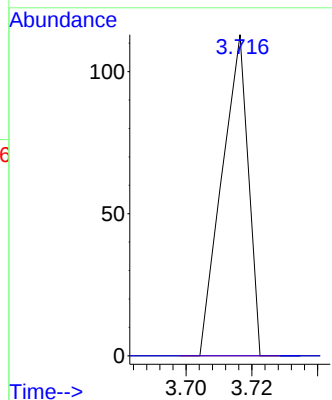
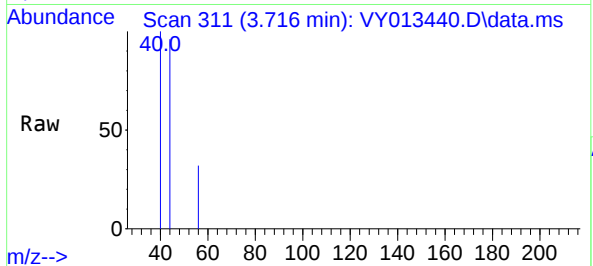




#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. -0.013 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

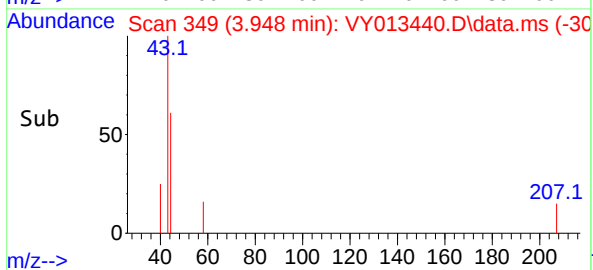
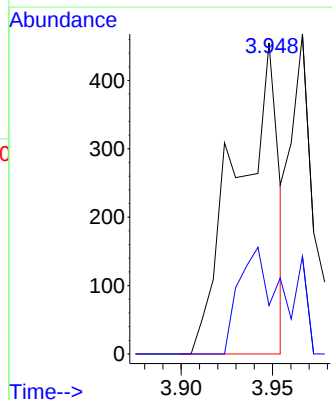
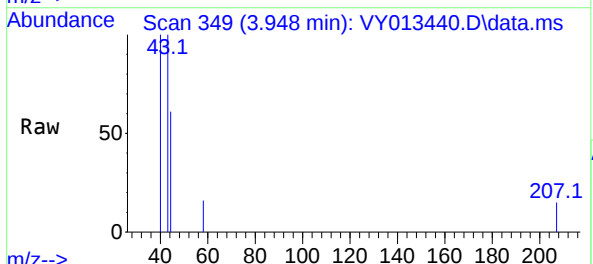
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

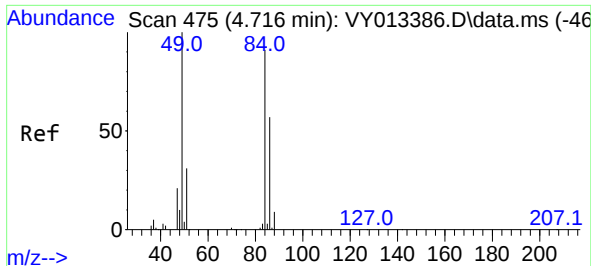
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 8.696 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 15.6 25.4 38.0#

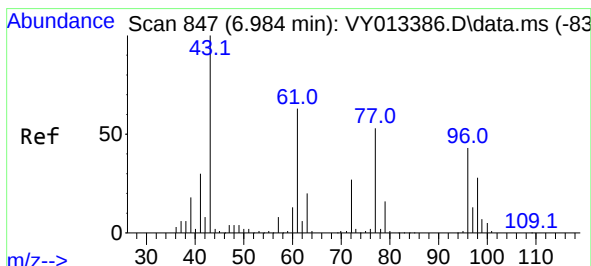
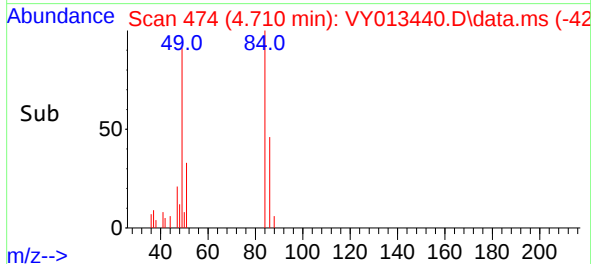
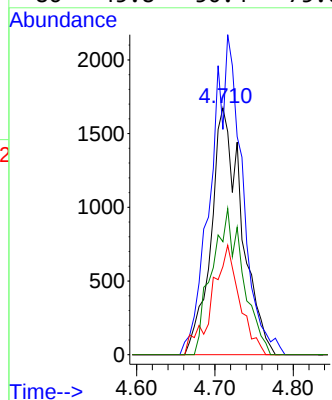
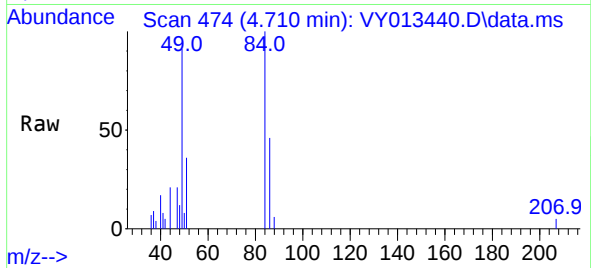




#20
Methylene Chloride
Concen: 11.460 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

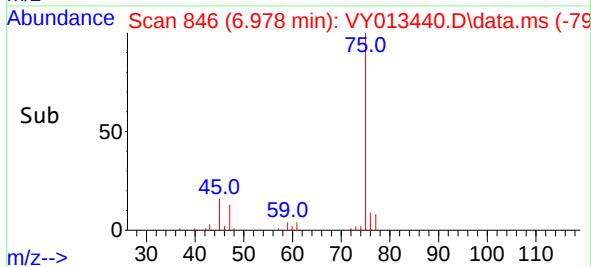
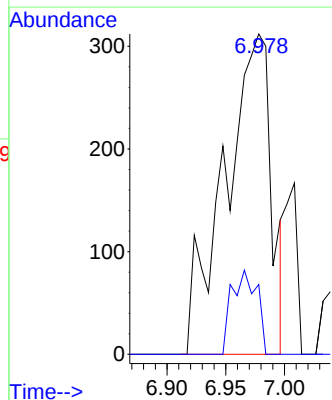
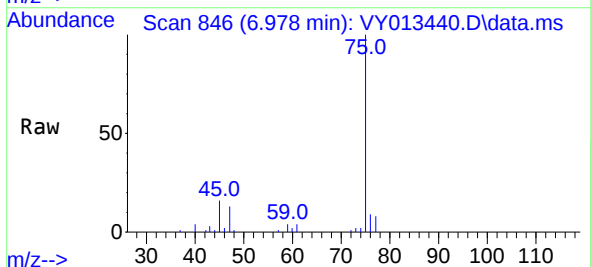
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

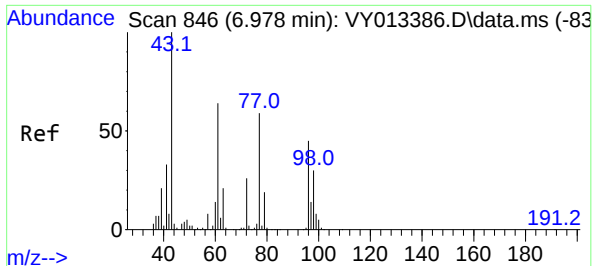
Tgt Ion: 84 Resp: 4558
Ion Ratio Lower Upper
84 100
49 91.3 88.0 132.0
51 35.7 27.4 41.0
86 45.8 50.4 75.6#



#25
2-Butanone
Concen: 8.247 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
72 21.8 21.9 32.9#

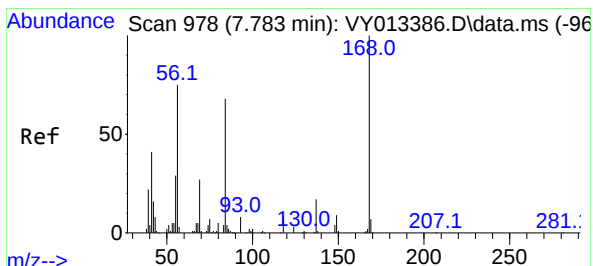
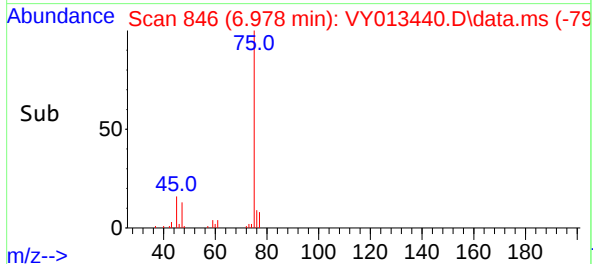
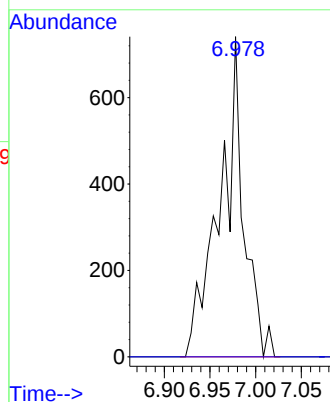
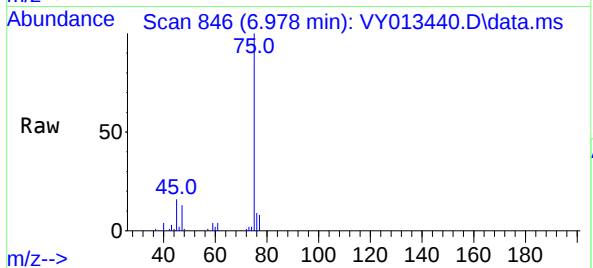




#26
2,2-Dichloropropane
Concen: 3.913 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

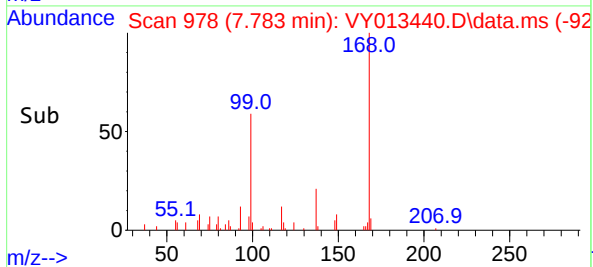
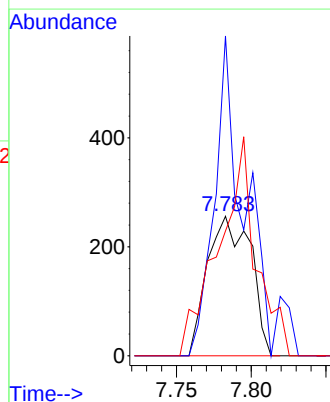
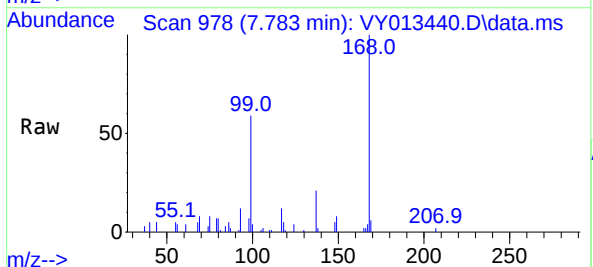
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

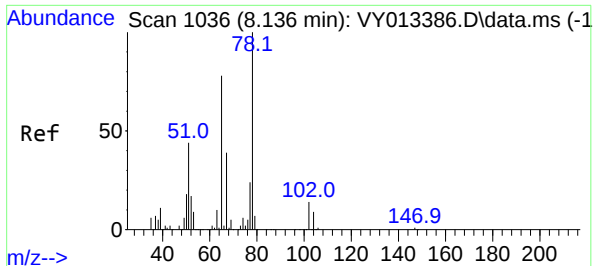
Tgt Ion: 77 Resp: 1349
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
69 229.3 29.2 43.8#
84 89.5 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 60.809 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013440.D

Acq: 25 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

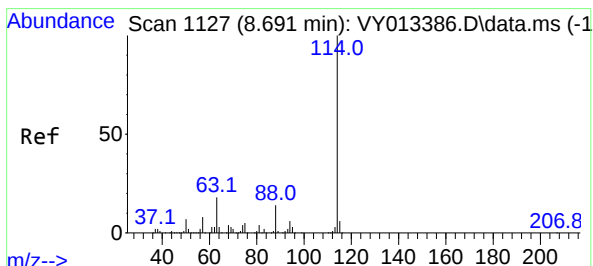
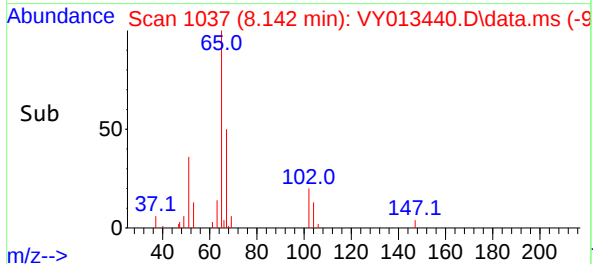
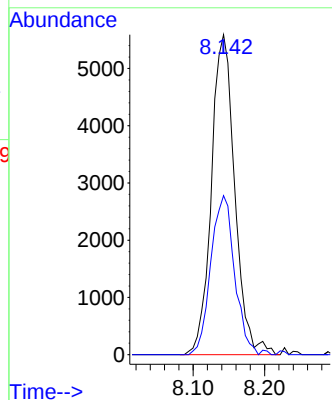
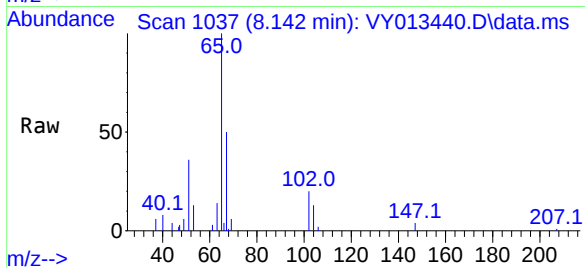
SB-15-8.5-9.0

Tgt Ion: 65 Resp: 12696

Ion Ratio Lower Upper

65 100

67 50.8 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: VY013440.D

Acq: 25 Apr 2023 12:46

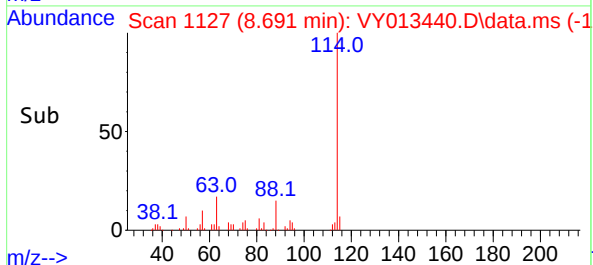
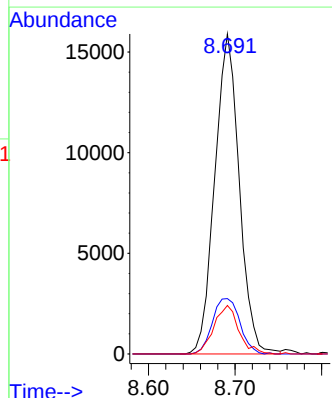
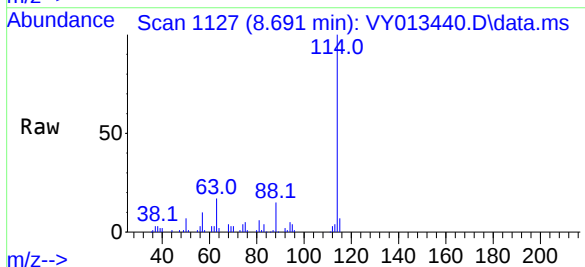
Tgt Ion: 114 Resp: 31181

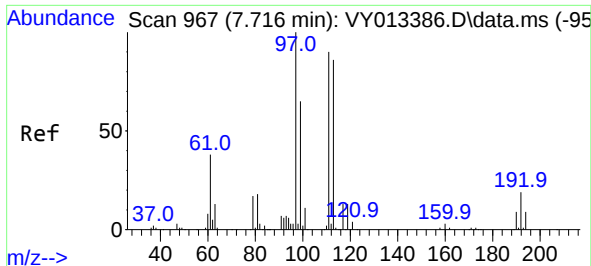
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

88 15.2 0.0 28.8

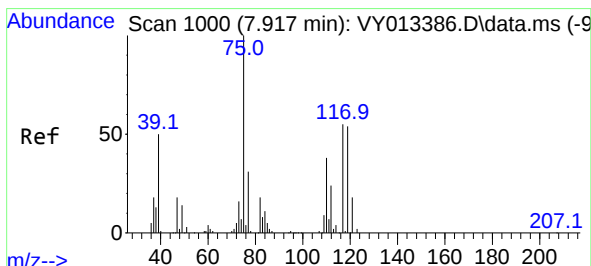
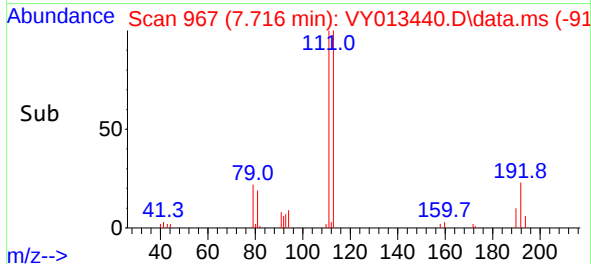
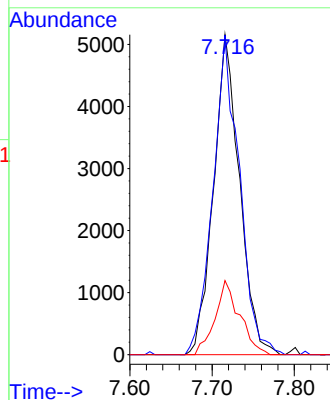
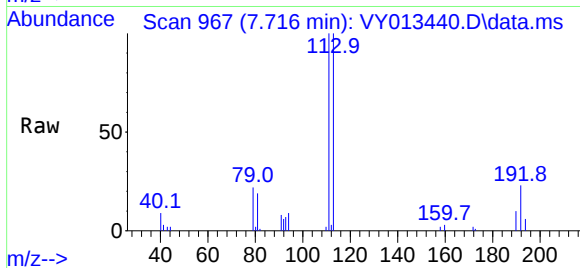




#35
Dibromofluoromethane
Concen: 57.839 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

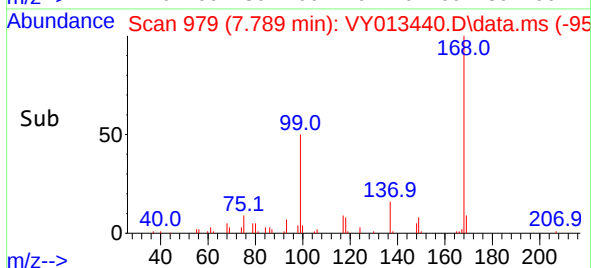
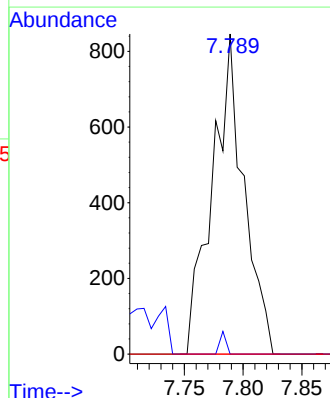
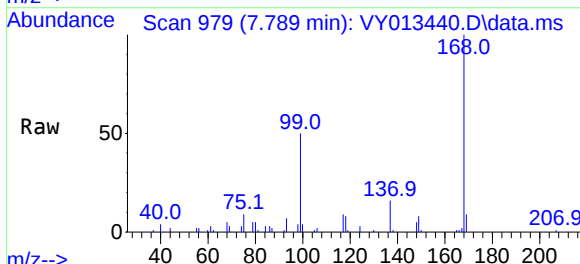
Instrument :
MSVOA_Y
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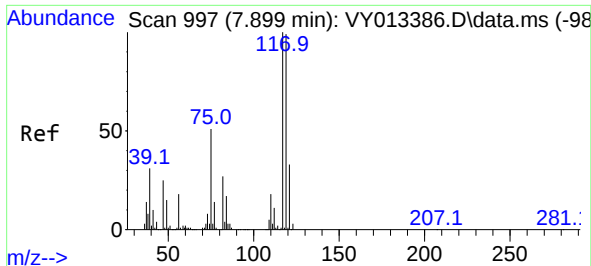
Tgt Ion:	113	Resp:	11343
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.2
192	21.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

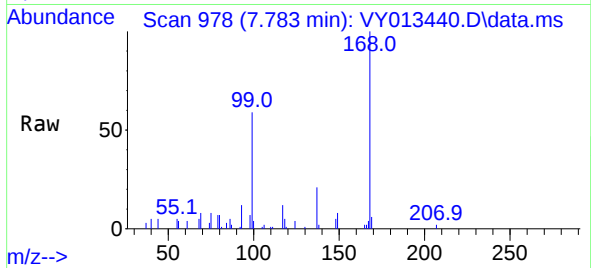
Tgt Ion:	75	Resp:	1582
Ion	Ratio	Lower	Upper
75	100		
110	1.4	18.7	56.1#
77	0.0	24.6	37.0#



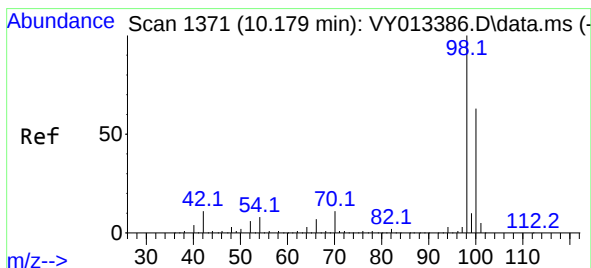
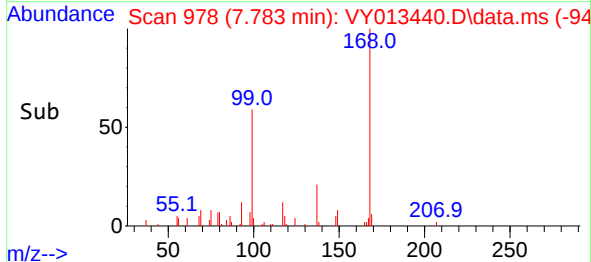
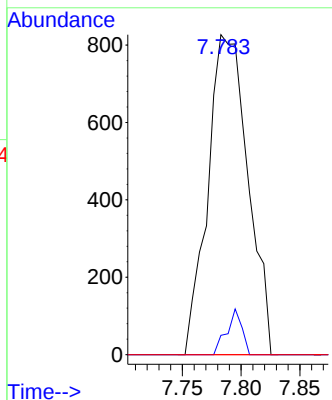


#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

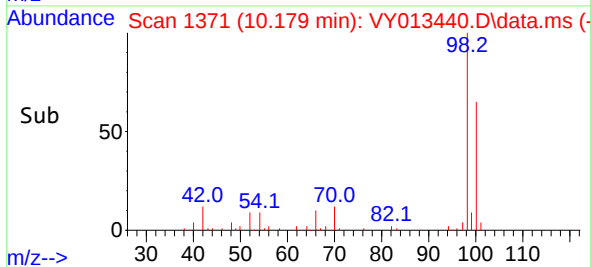
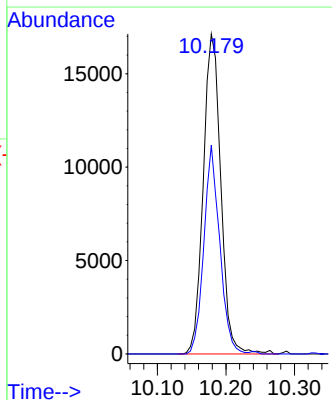
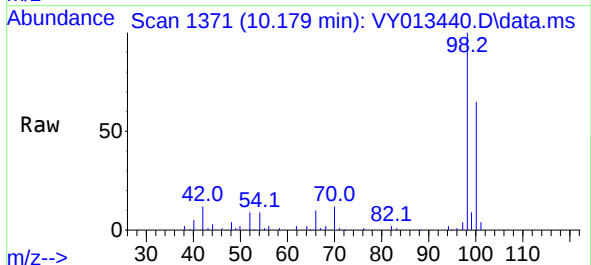


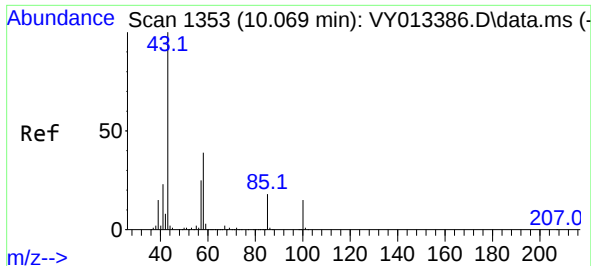
Tgt Ion:117 Resp: 1964
Ion Ratio Lower Upper
117 100
119 6.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 43.798 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 98 Resp: 30556
Ion Ratio Lower Upper
98 100
100 58.9 50.5 75.7

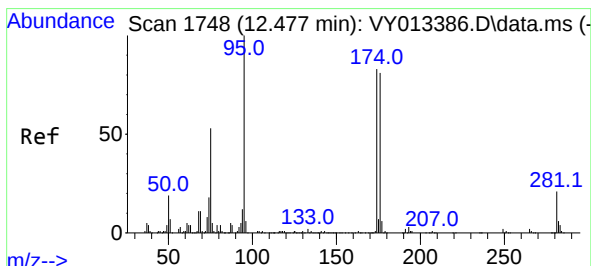
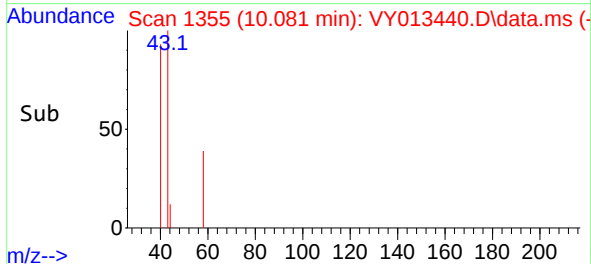
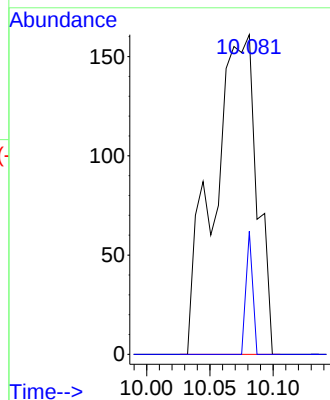
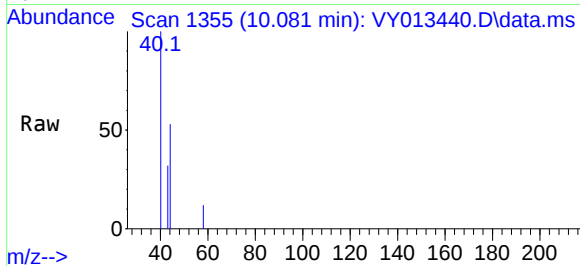




#51
4-Methyl-2-Pentanone
Concen: 1.654 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

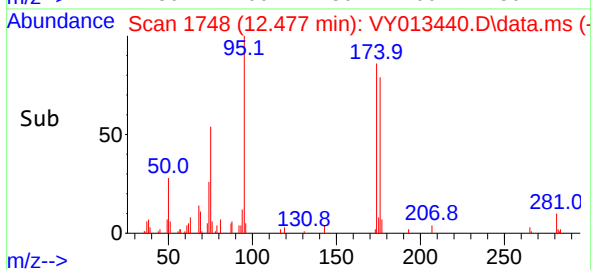
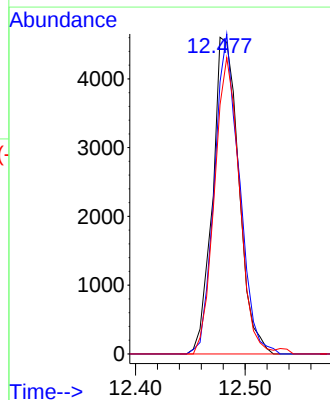
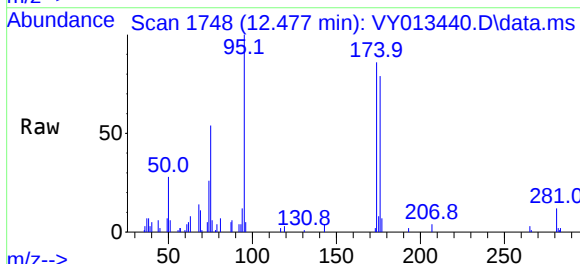
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

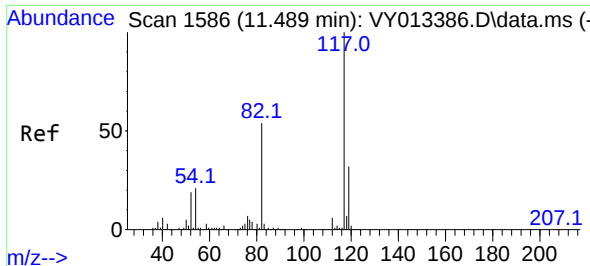
Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
58 6.0 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 32.522 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 95 Resp: 7649
Ion Ratio Lower Upper
95 100
174 95.6 0.0 182.0
176 89.8 0.0 175.4

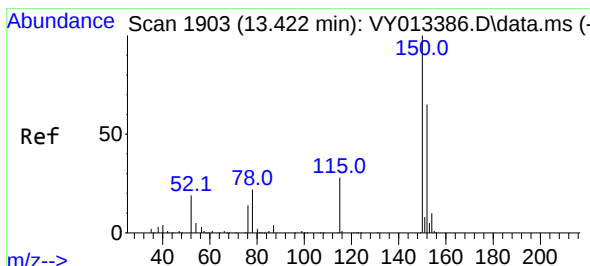
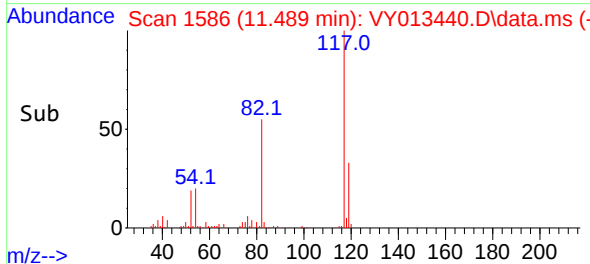
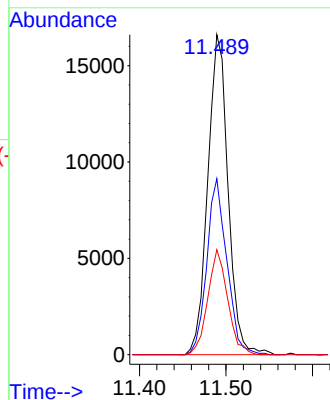
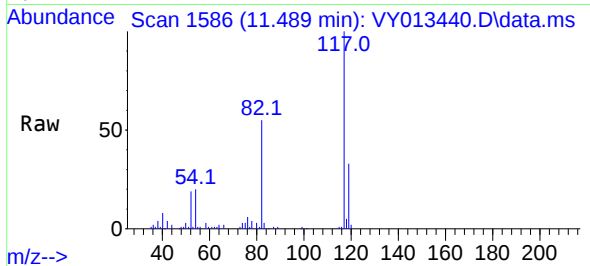




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

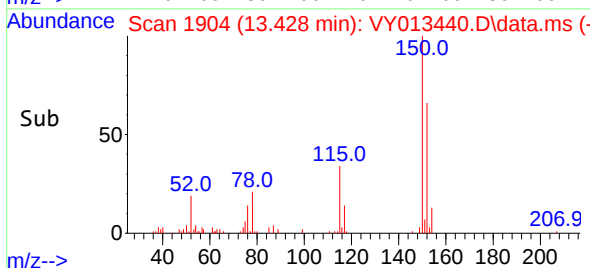
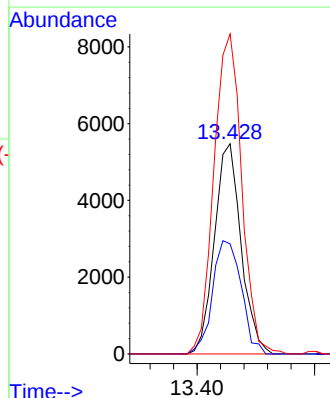
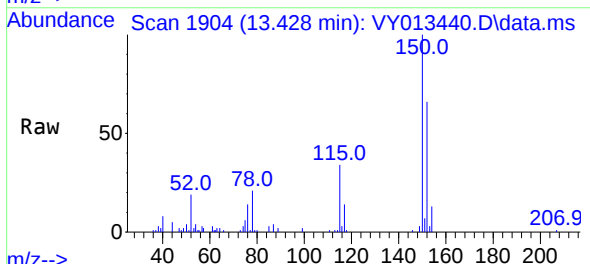
Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

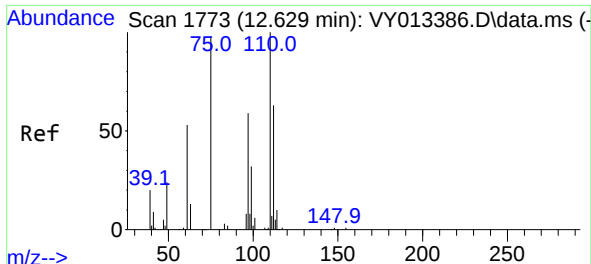
Tgt Ion:	117	Resp:	27065
Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.0	64.6
119	32.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion:	152	Resp:	8619
Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.1	84.2
150	158.6	0.0	352.0

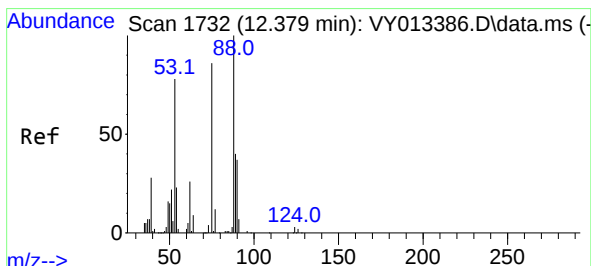
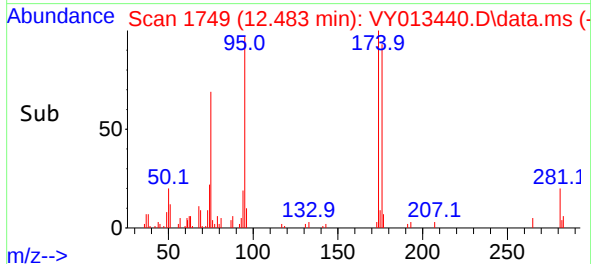
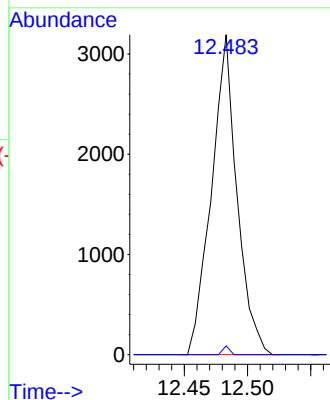
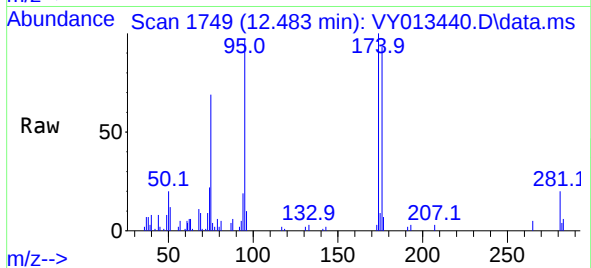




#76
1,2,3-Trichloropropane
Concen: 38.550 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Instrument :
MSVOA_Y
ClientSampleId :
SB-15-8.5-9.0

Tgt Ion: 75 Resp: 4481
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.857 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013440.D
Acq: 25 Apr 2023 12:46

Tgt Ion: 75 Resp: 4481
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

