

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015318.D
 Acq On : 24 Aug 2023 17:42
 Operator : SY/MD
 Sample : 04145-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

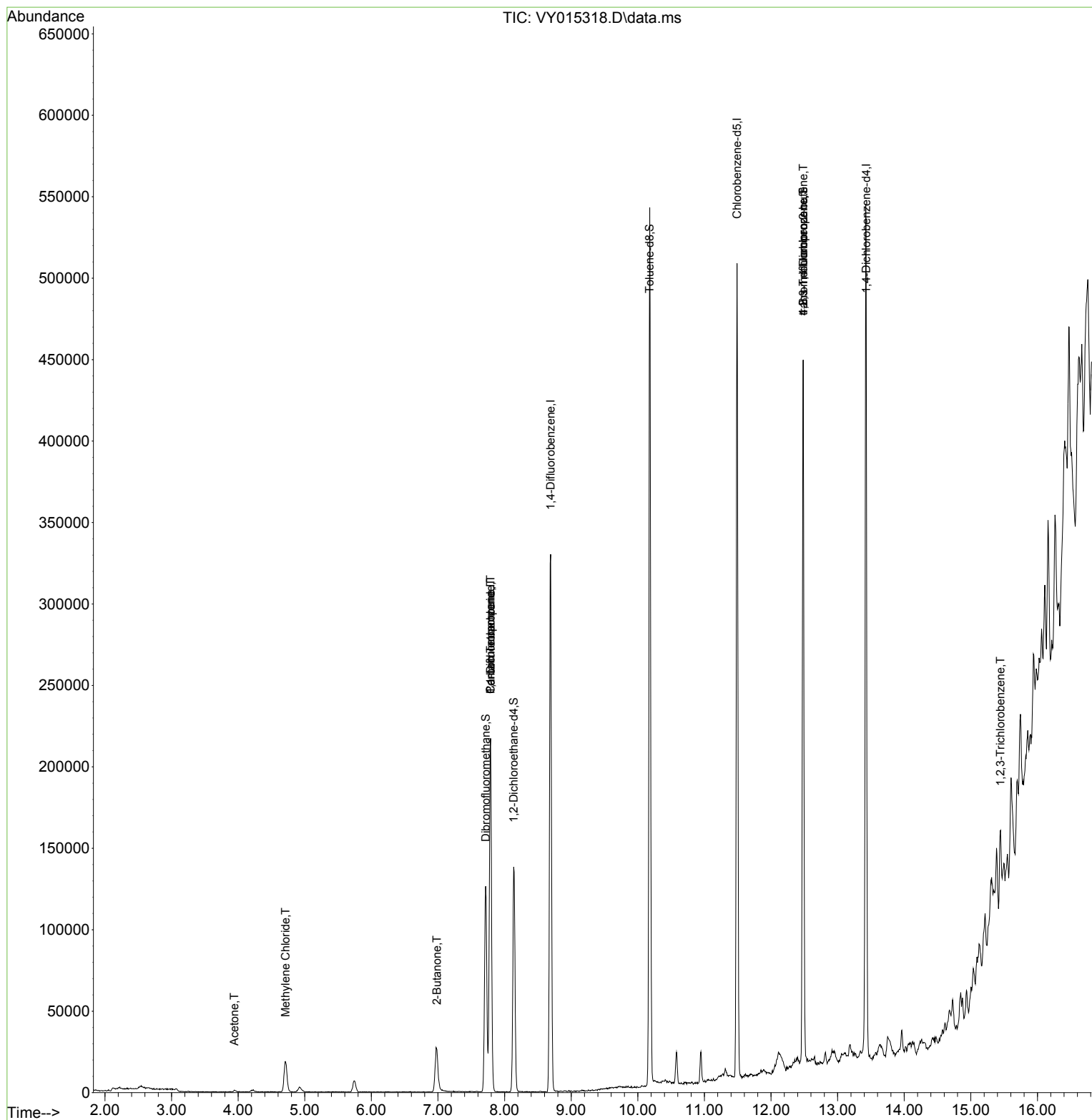
Internal Standards						
1) Pentafluorobenzene	7.789	168	171319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110130	53.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.715	113	89009	48.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.820%			
50) Toluene-d8	10.178	98	344463	50.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.483	95	124178	49.674	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.340%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	128	Below Cal	#	43
5) Bromomethane	2.643	94	108	Below Cal		90
11) Tert butyl alcohol	4.929	59	3279	Below Cal	#	89
16) Acetone	3.942	43	1642	2.444	ug/l #	73
20) Methylene Chloride	4.710	84	14967	5.441	ug/l #	83
25) 2-Butanone	6.984	43	1837	1.931	ug/l #	68
31) Cyclohexane	7.783	56	3630	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13253	6.516	ug/l #	49
38) Carbon Tetrachloride	7.789	117	16779	6.970	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	66853	41.784	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66853	91.777	ug/l #	11
96) 1,2,3-Trichlorobenzene	15.446	180	3462	1.561	ug/l #	25

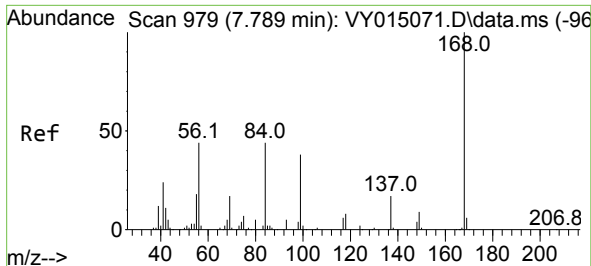
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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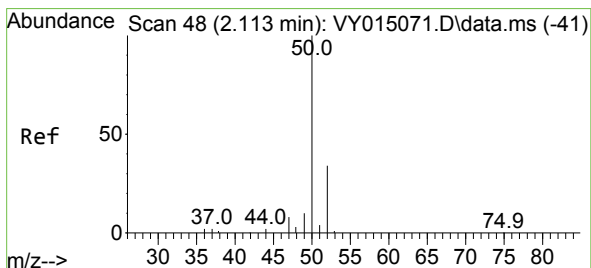
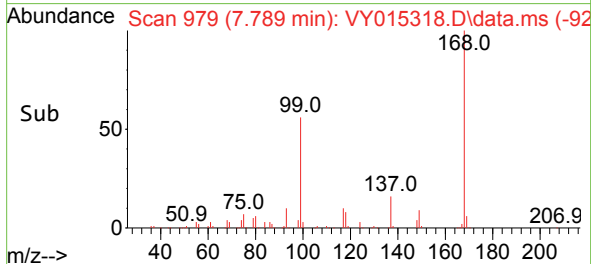
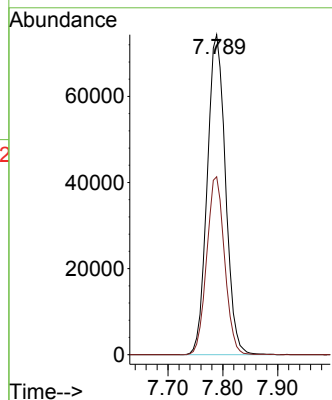
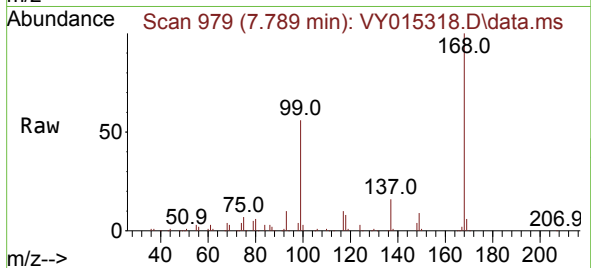




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

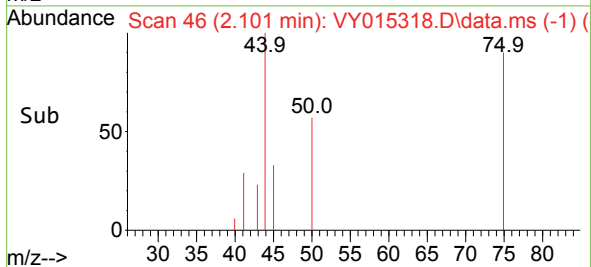
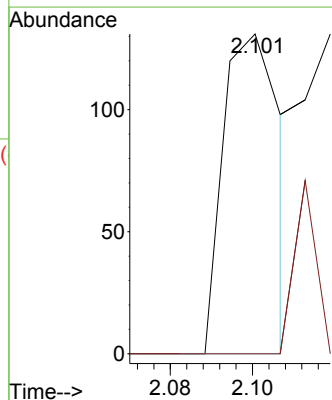
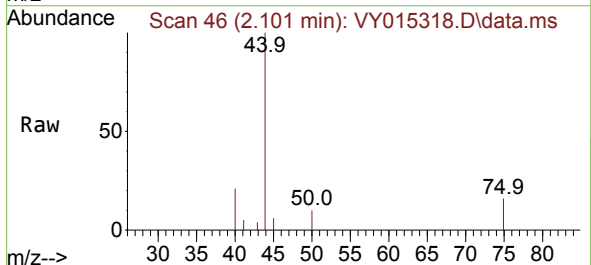
Instrument :
MSVOA_Y
ClientSampleId :

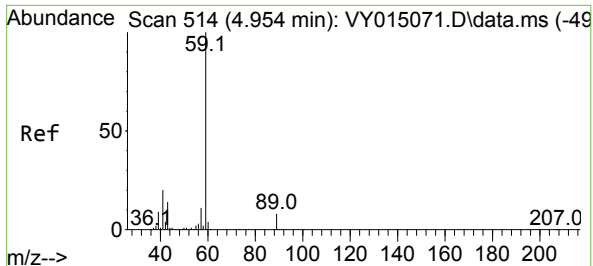
Tgt Ion:168 Resp: 171319
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

Tgt Ion: 50 Resp: 128
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 514

Delta R.T. -0.019 min

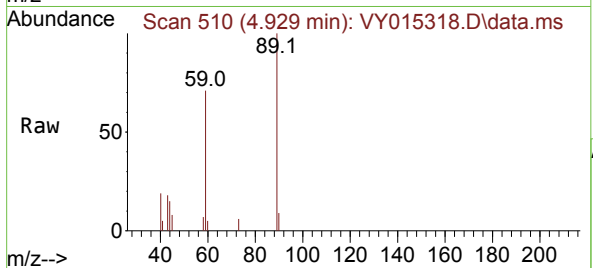
Lab File: VY015318.D

Acq: 24 Aug 2023 17:42

Instrument :

MSVOA_Y

ClientSampleId :

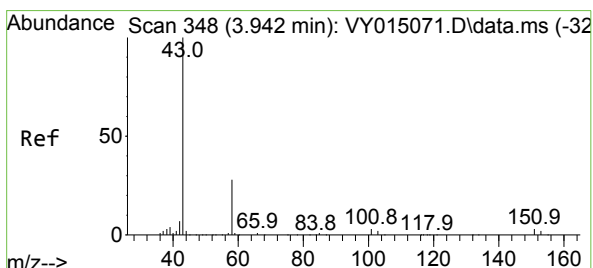
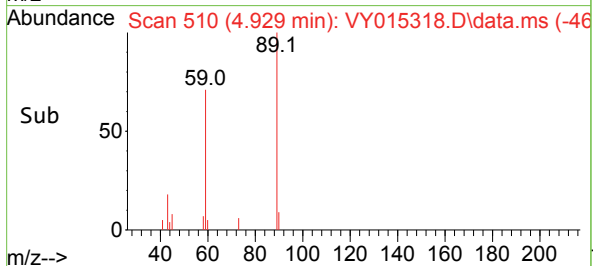
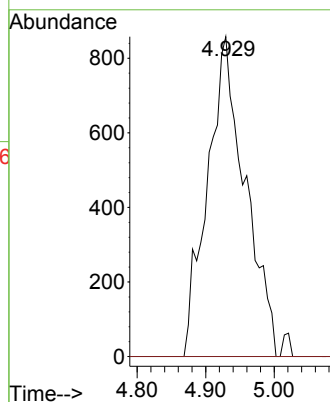


Tgt Ion: 59 Resp: 3279

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.444 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY015318.D

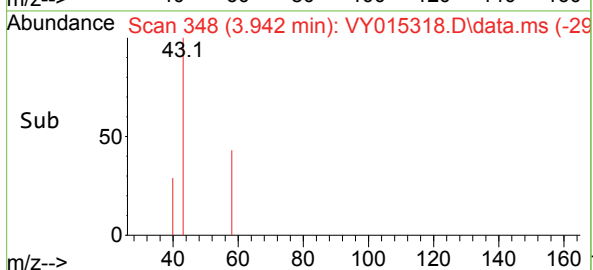
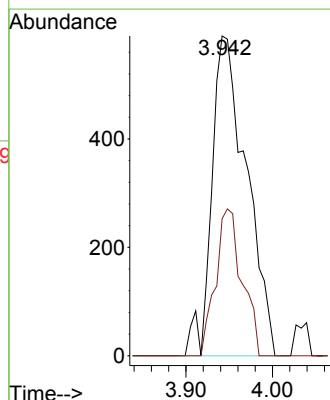
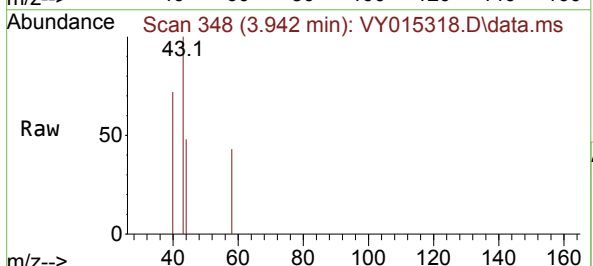
Acq: 24 Aug 2023 17:42

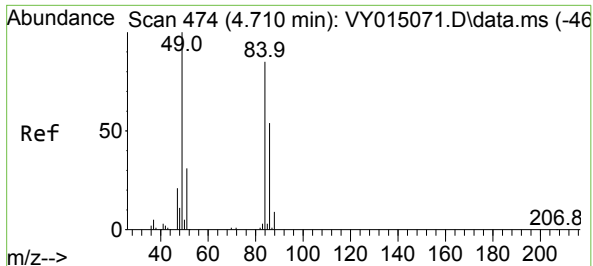
Tgt Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

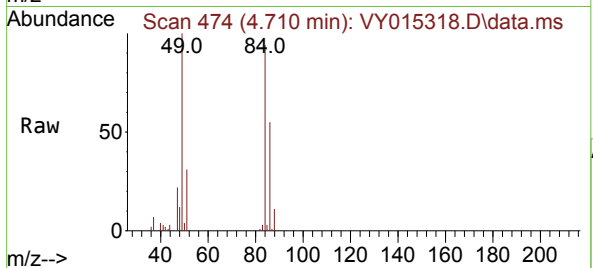
58 42.9 22.7 34.1#



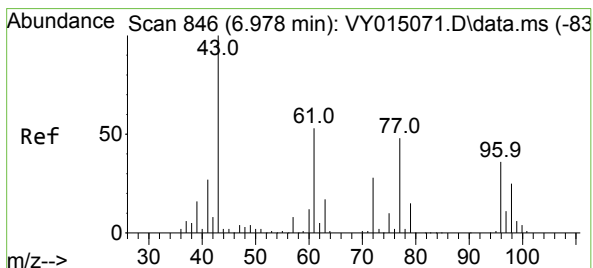
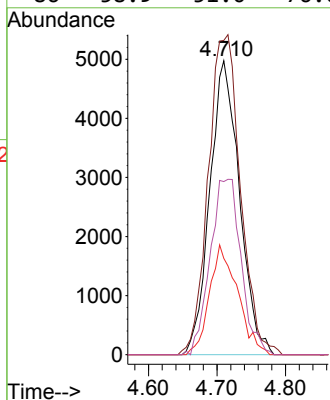
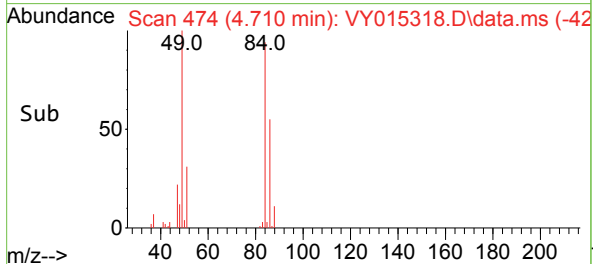


#20
Methylene Chloride
Concen: 5.441 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

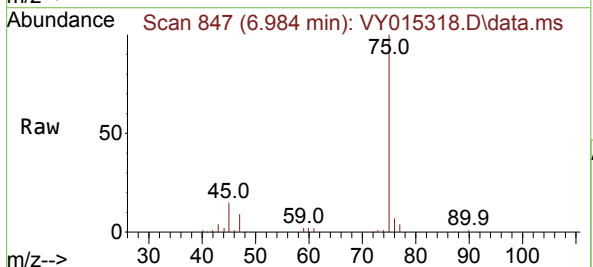
Instrument :
MSVOA_Y
ClientSampleId :



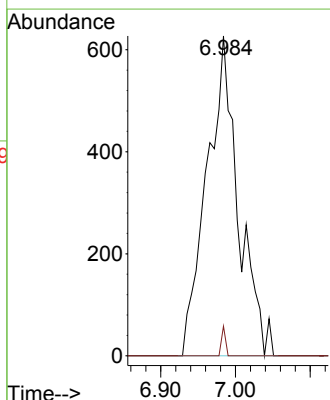
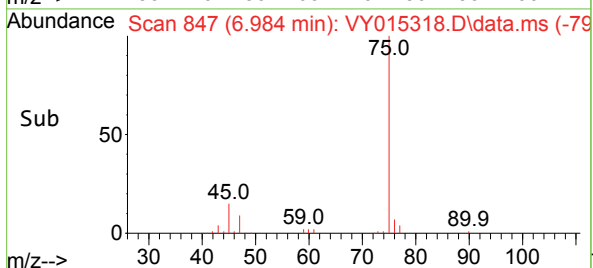
Tgt Ion: 84 Resp: 14967
Ion Ratio Lower Upper
84 100
49 106.9 106.9 160.3
51 32.8 33.2 49.8#
86 58.9 51.0 76.6

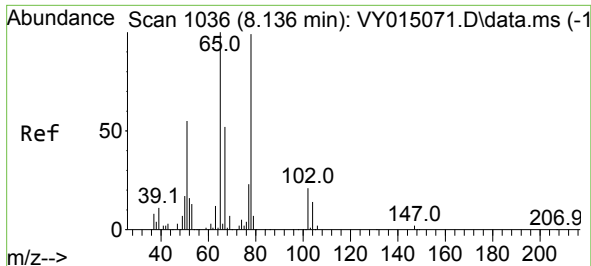


#25
2-Butanone
Concen: 1.931 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42



Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
72 9.3 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 53.552 ug/l

RT: 8.136 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VY015318.D

Acq: 24 Aug 2023 17:42

Instrument :

MSVOA_Y

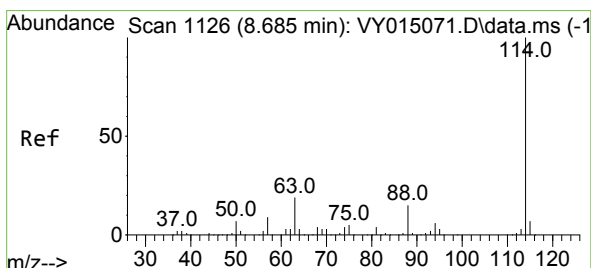
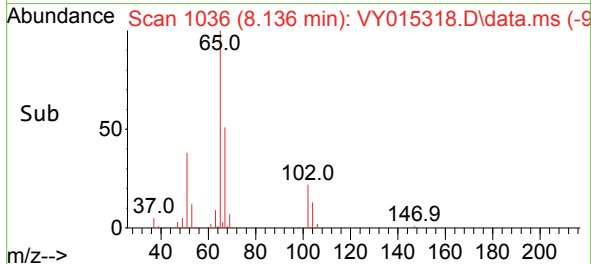
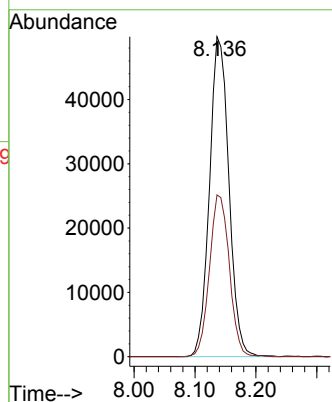
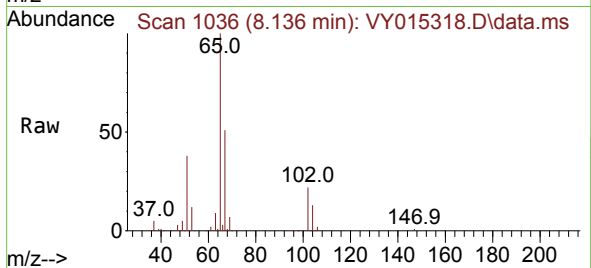
ClientSampleId :

Tgt Ion: 65 Resp: 110130

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015318.D

Acq: 24 Aug 2023 17:42

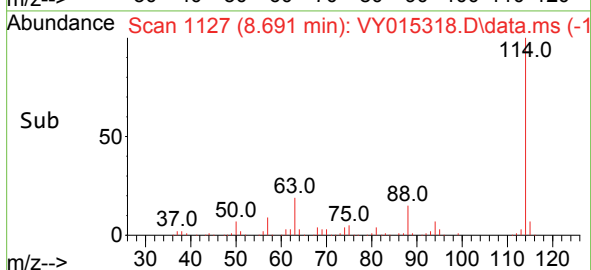
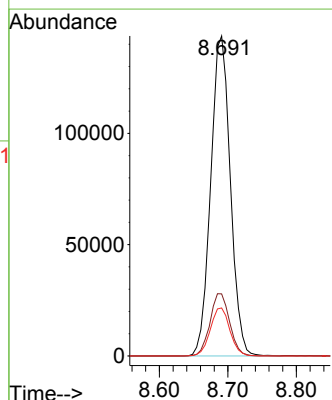
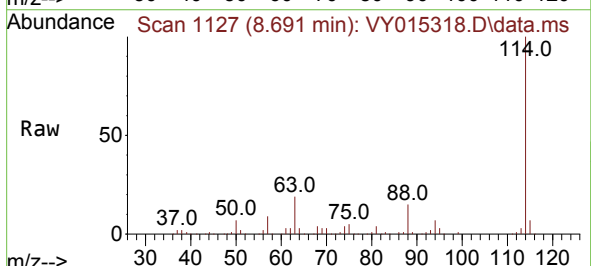
Tgt Ion:114 Resp: 285789

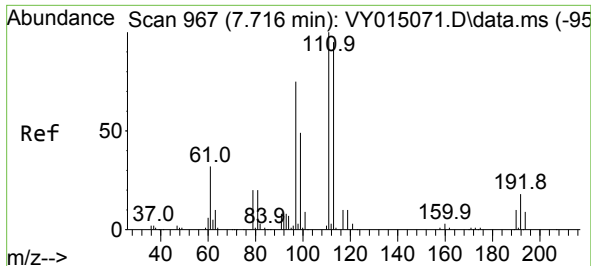
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6

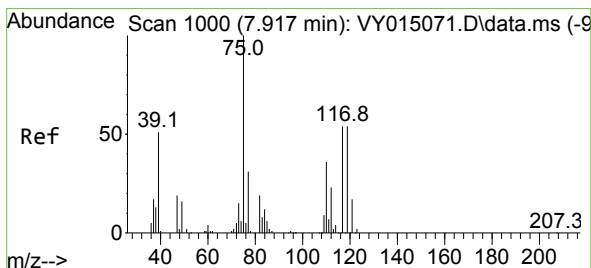
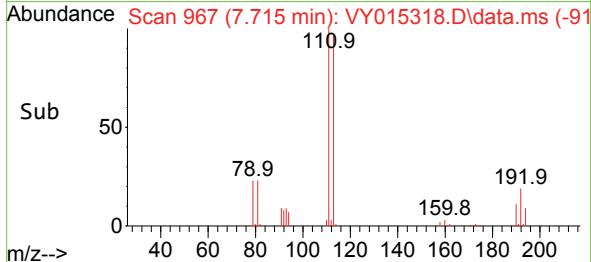
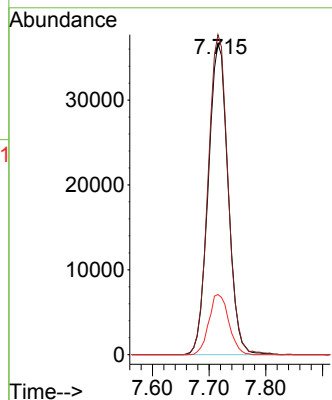
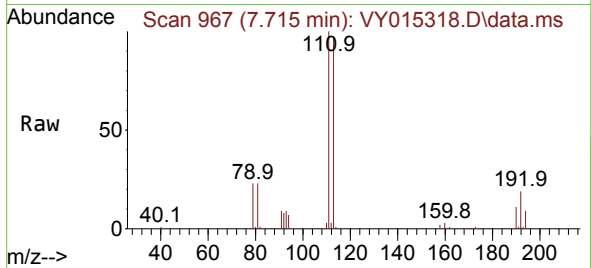




#35
Dibromofluoromethane
Concen: 48.412 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

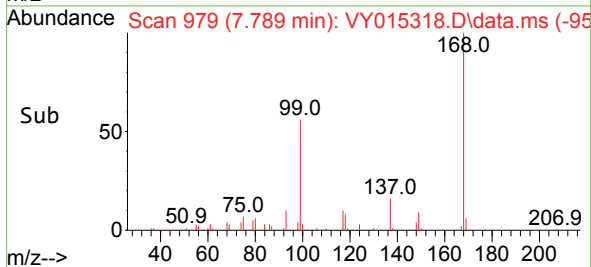
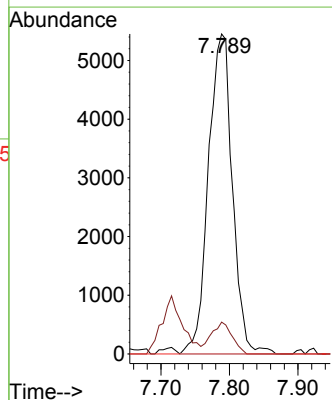
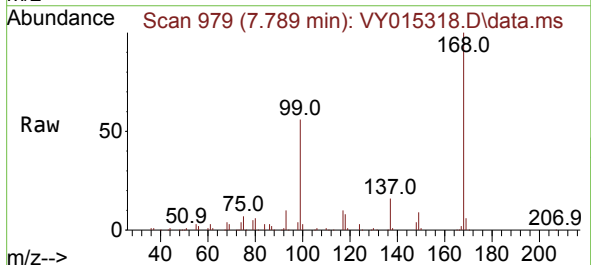
Instrument :
MSVOA_Y
ClientSampleId :

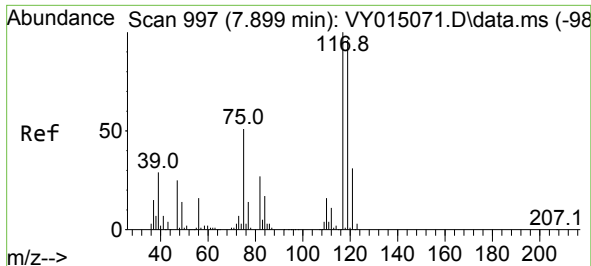
Tgt Ion:113 Resp: 89009
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.516 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

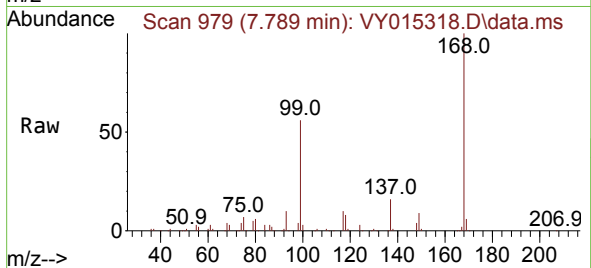
Tgt Ion: 75 Resp: 13253
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#



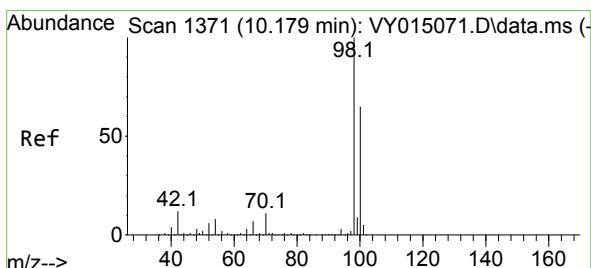
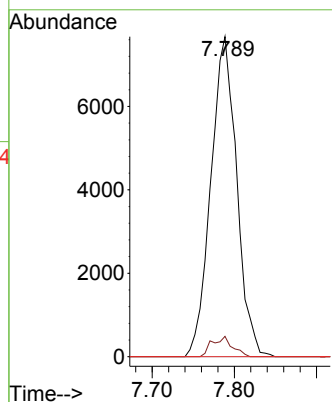
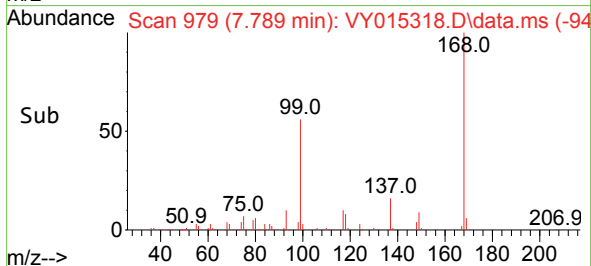


#38
Carbon Tetrachloride
Concen: 6.970 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

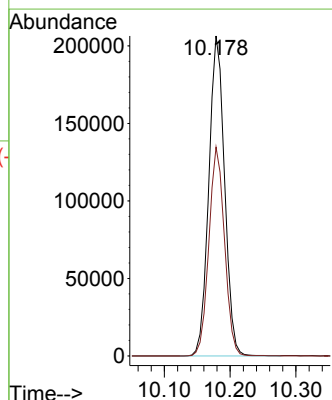
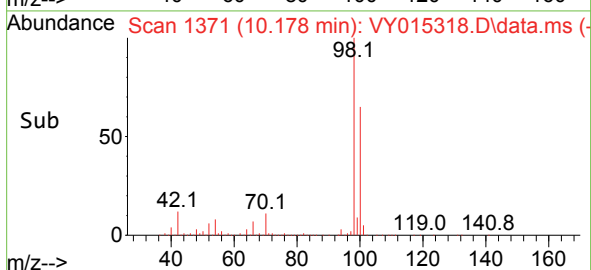
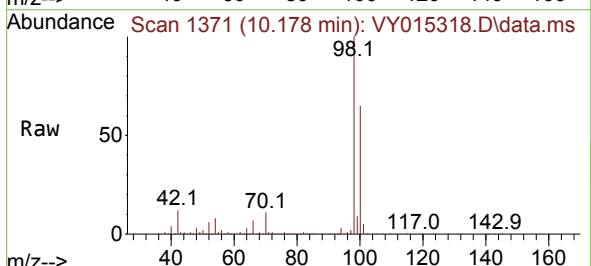


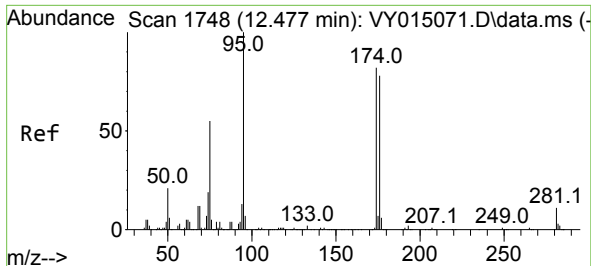
Tgt Ion:117 Resp: 16779
Ion Ratio Lower Upper
117 100
119 6.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.329 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

Tgt Ion: 98 Resp: 344463
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

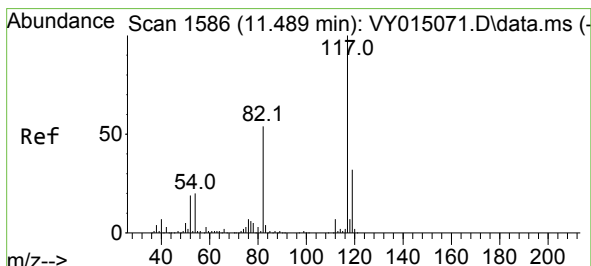
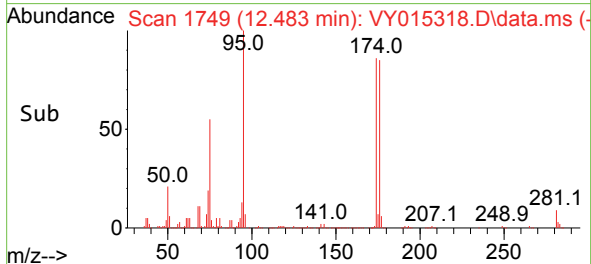
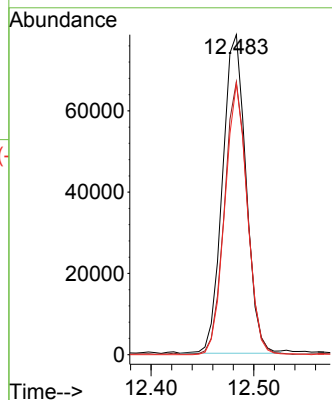
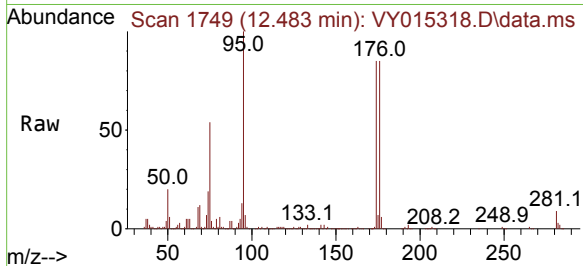




#62
4-Bromofluorobenzene
Concen: 49.674 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

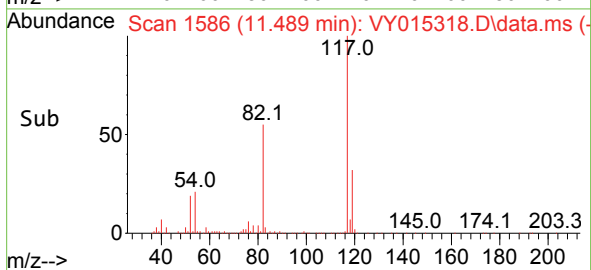
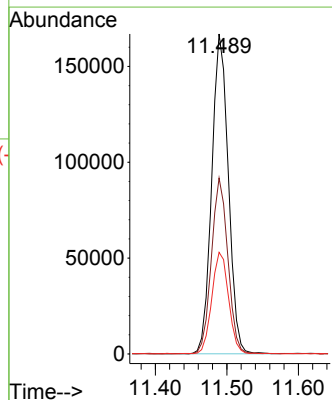
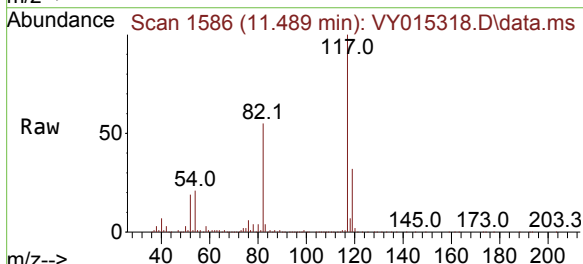
Instrument :
MSVOA_Y
ClientSampleId :

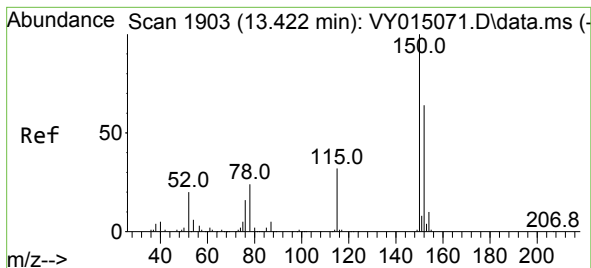
Tgt Ion: 95 Resp: 124178
Ion Ratio Lower Upper
95 100
174 83.1 0.0 178.2
176 81.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

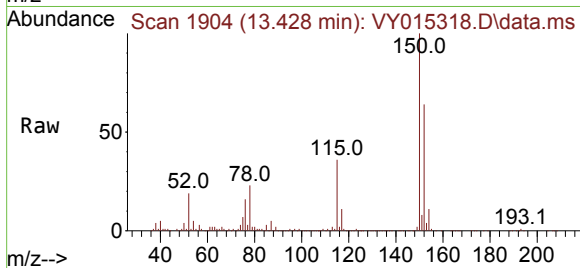
Tgt Ion: 117 Resp: 268486
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 31.7 26.3 39.5



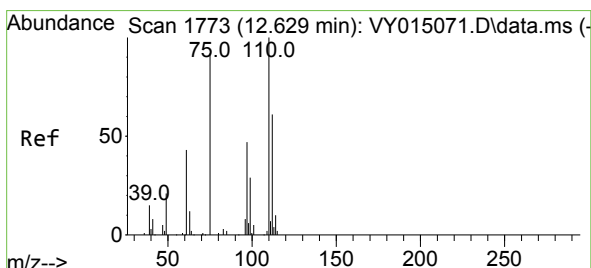
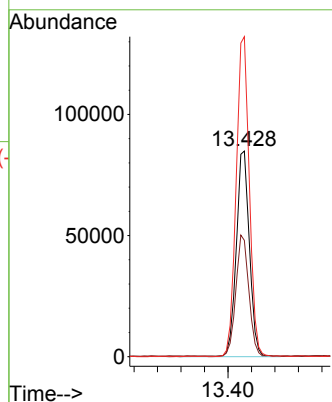
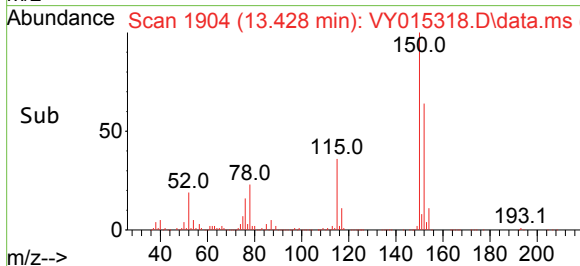


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015318.D
 Acq: 24 Aug 2023 17:42

Instrument :
 MSVOA_Y
 ClientSampleId :

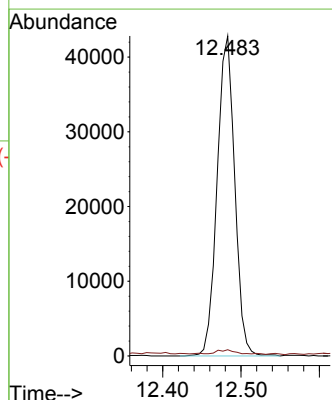
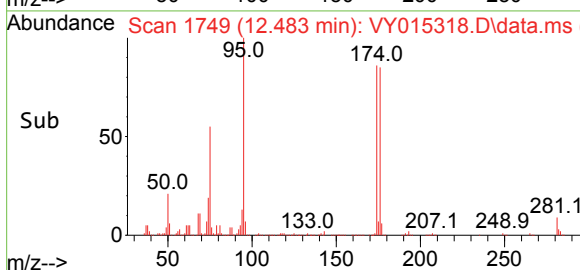
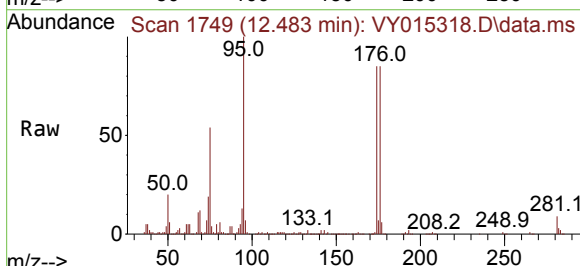


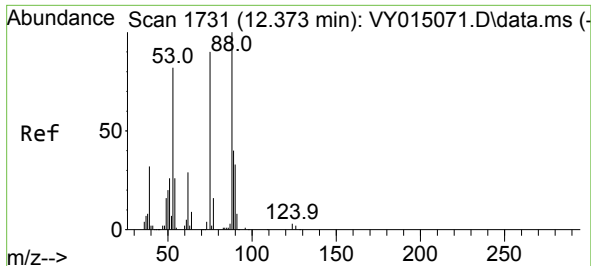
Tgt Ion:152 Resp: 131694
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.8 86.5
 150 156.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 41.784 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY015318.D
 Acq: 24 Aug 2023 17:42

Tgt Ion: 75 Resp: 66853
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

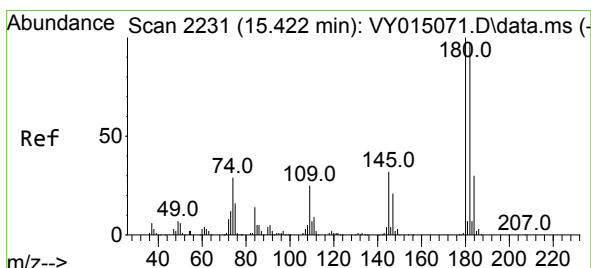
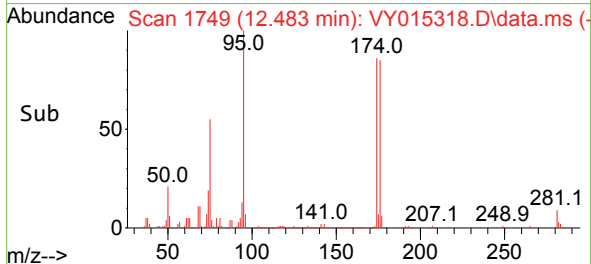
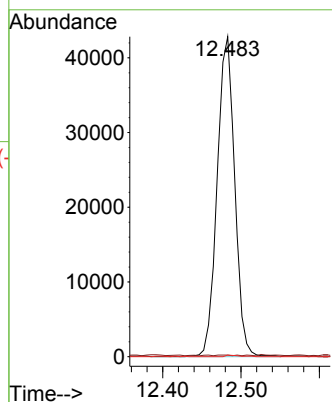
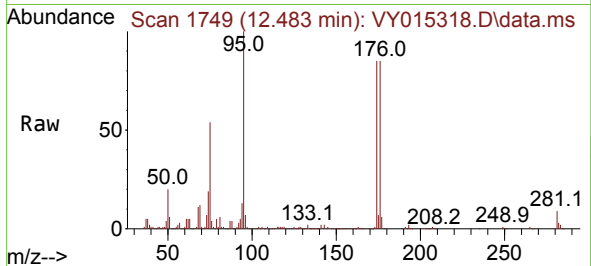




#81
trans-1,4-Dichloro-2-butene
Concen: 91.777 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 66853
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.4 37.4 56.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.561 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY015318.D
Acq: 24 Aug 2023 17:42

Tgt Ion:180 Resp: 3462
Ion Ratio Lower Upper
180 100
182 6.4 47.3 141.8#
145 15.6 15.4 46.2

