

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015141.D
 Acq On : 16 Aug 2023 11:45
 Operator : SY/MD
 Sample : 04012-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:28:16 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)

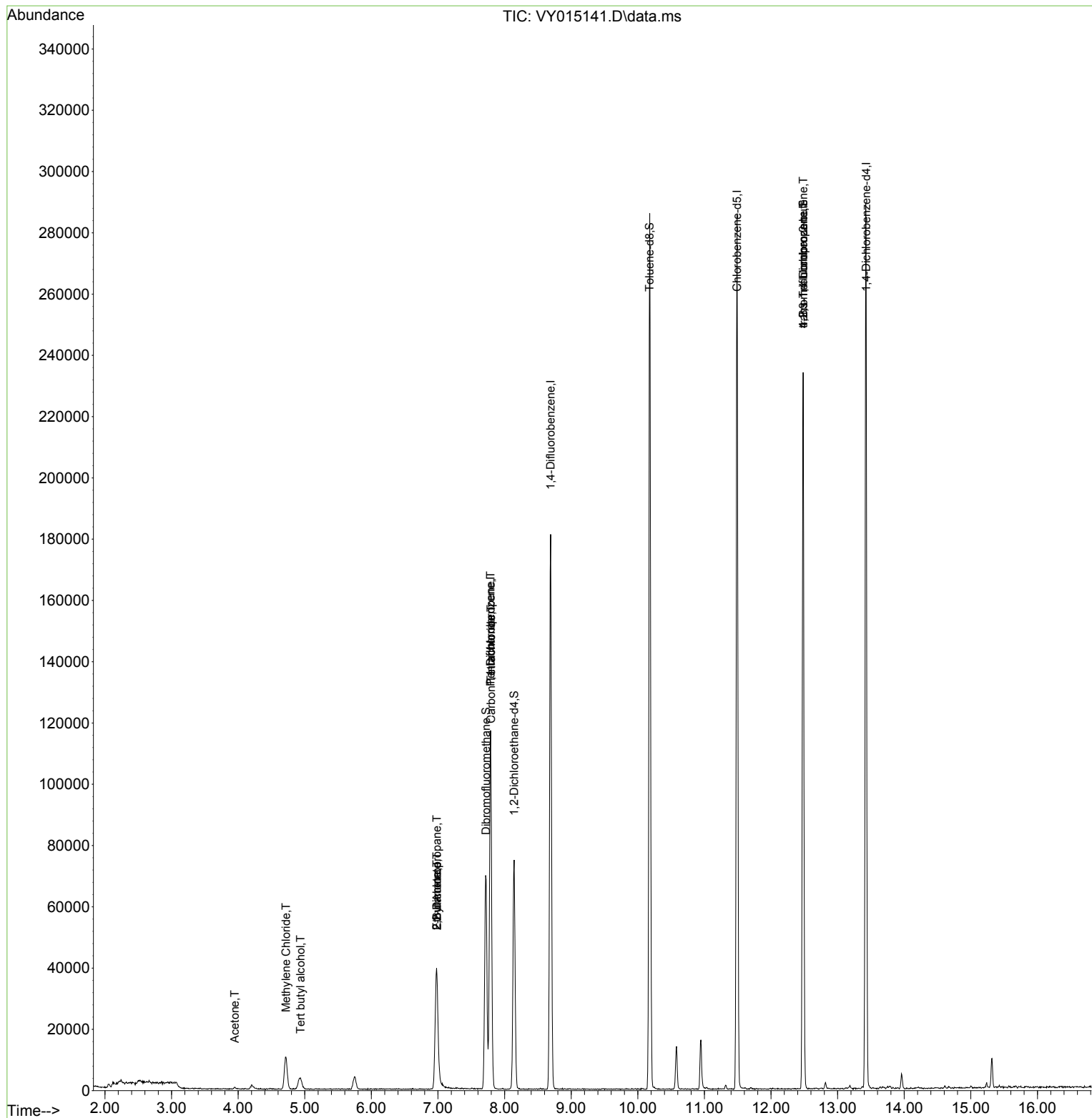
Internal Standards						
1) Pentafluorobenzene	7.789	168	90141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	153995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57931	53.538	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.080%	
35) Dibromofluoromethane	7.722	113	49832	50.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.700%	
50) Toluene-d8	10.179	98	183756	49.875	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.483	95	67456	50.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	308	Below Cal	#	43
5) Bromomethane	2.662	94	328	Below Cal	#	80
11) Tert butyl alcohol	4.936	59	4488	9.614	ug/l #	92
16) Acetone	3.948	43	638	1.805	ug/l #	74
20) Methylene Chloride	4.716	84	7815	5.364	ug/l #	82
25) 2-Butanone	6.984	43	2273	4.541	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	3130	2.161	ug/l #	54
31) Cyclohexane	7.783	56	1862	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	7280	6.649	ug/l #	51
37) Ethyl Acetate	6.984	43	2273	2.227	ug/l #	1
38) Carbon Tetrachloride	7.795	117	8944	6.902	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	36441	40.338	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36441	88.603	ug/l #	10

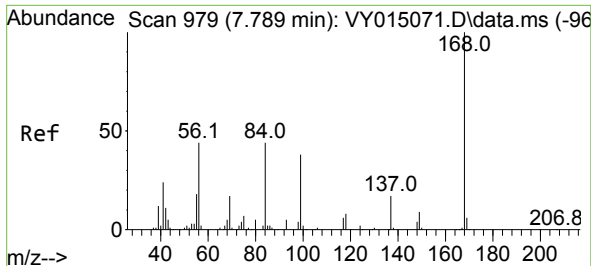
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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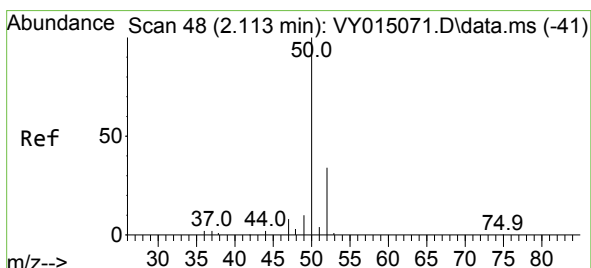
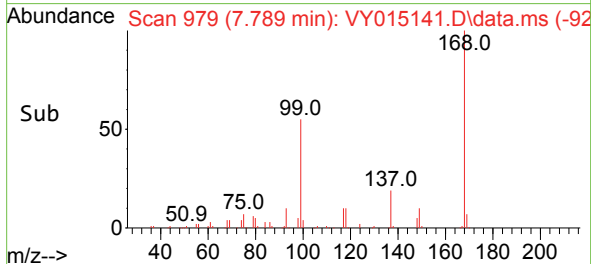
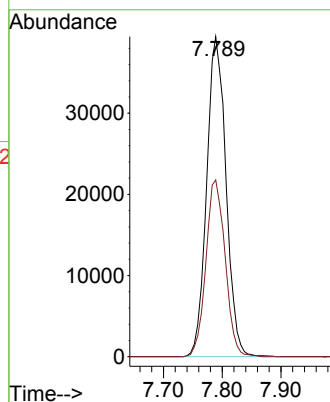
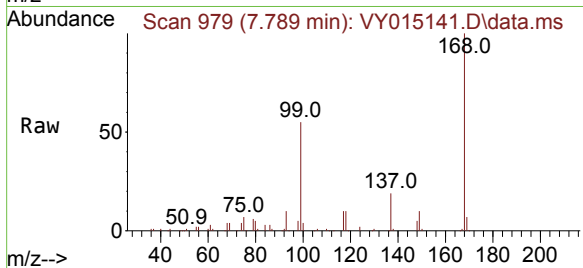




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

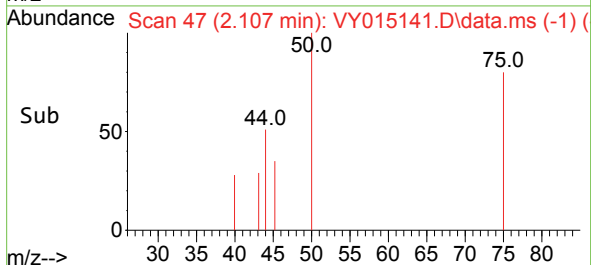
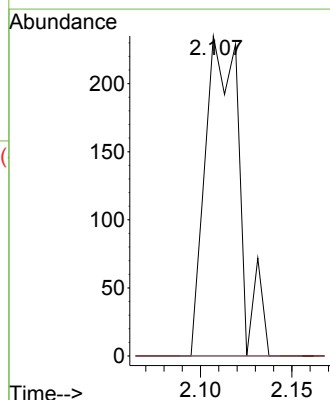
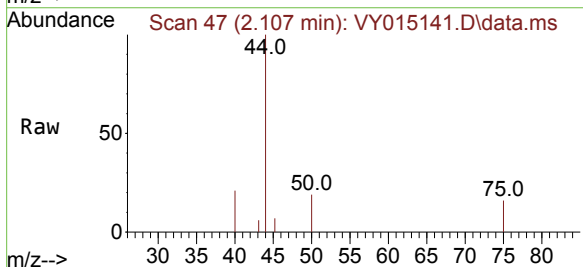
Instrument :
MSVOA_Y
ClientSampleId :

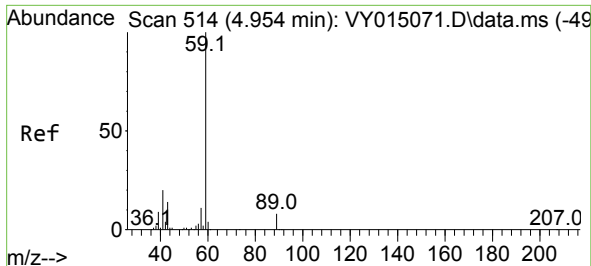
Tgt Ion:168 Resp: 90141
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 9.614 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

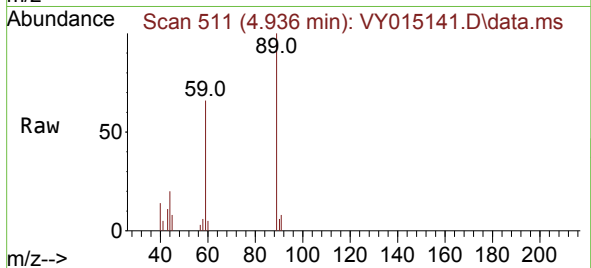
Lab File: VY015141.D

Acq: 16 Aug 2023 11:45

Instrument :

MSVOA_Y

ClientSampleId :

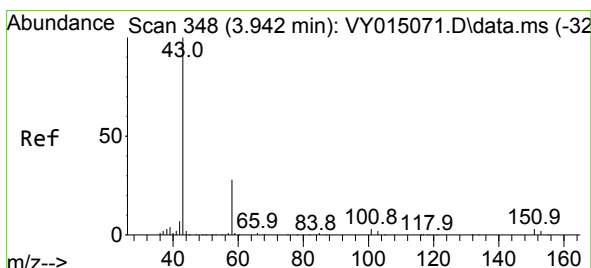
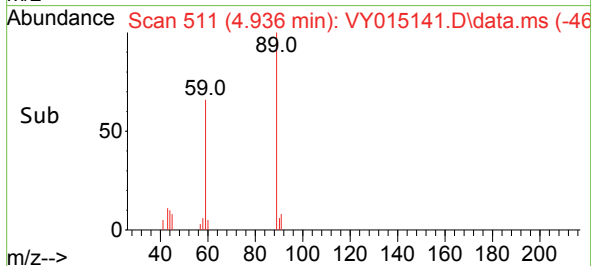
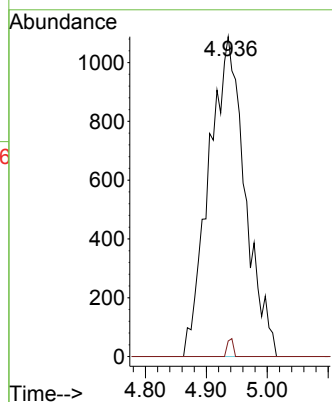


Tgt Ion: 59 Resp: 4488

Ion Ratio Lower Upper

59 100

57 0.9 3.0 4.4#



#16

Acetone

Concen: 1.805 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015141.D

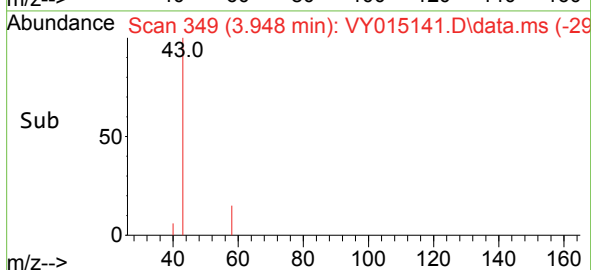
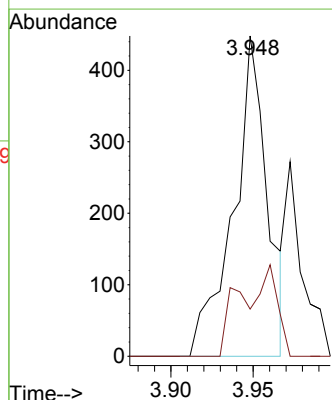
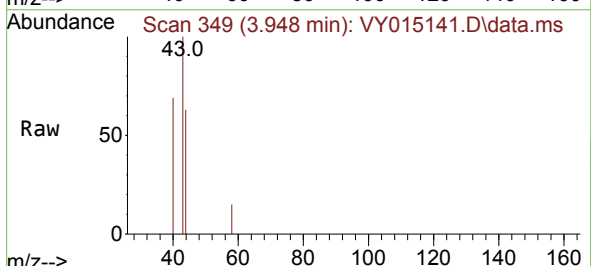
Acq: 16 Aug 2023 11:45

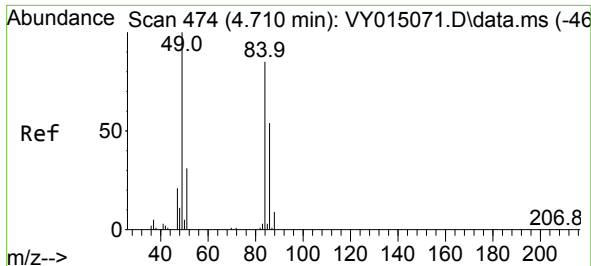
Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

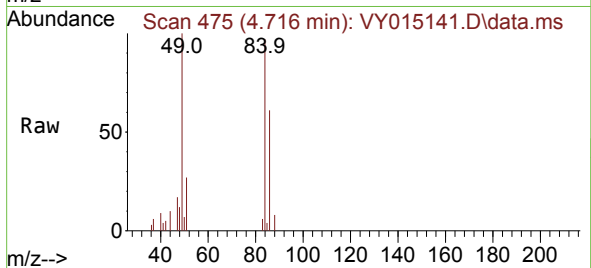
58 14.7 22.7 34.1#



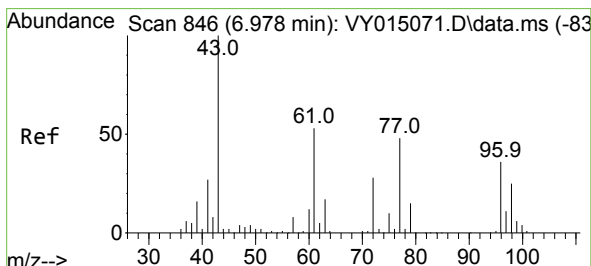
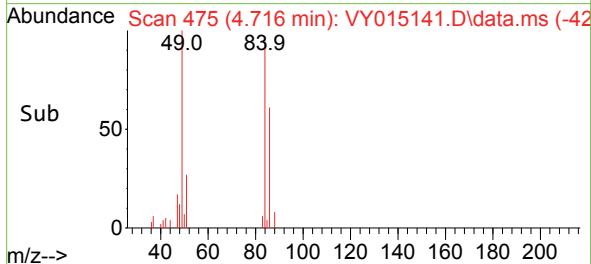
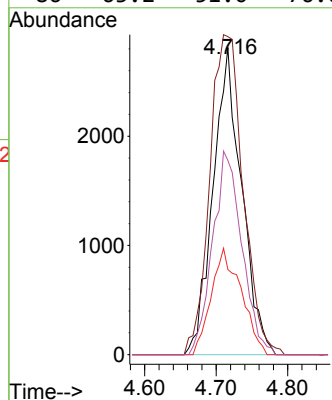


#20
Methylene Chloride
Concen: 5.364 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

Instrument :
MSVOA_Y
ClientSampleId :

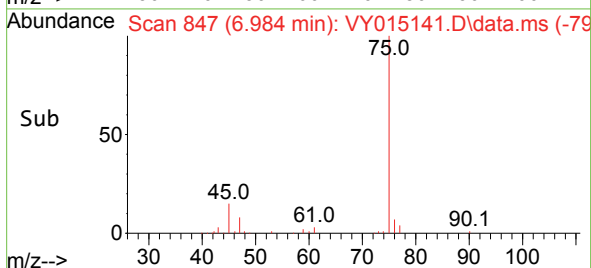
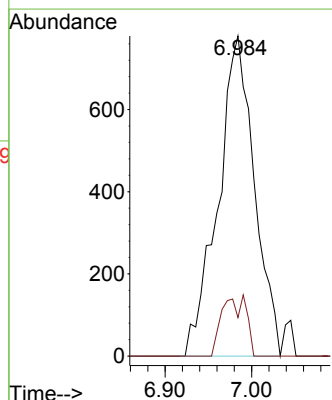
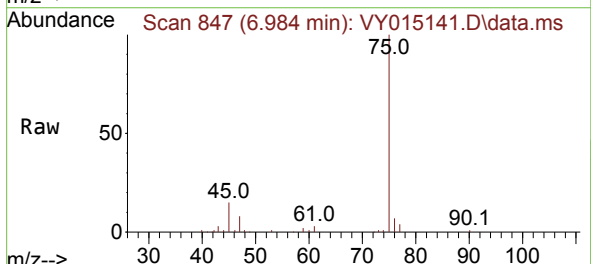


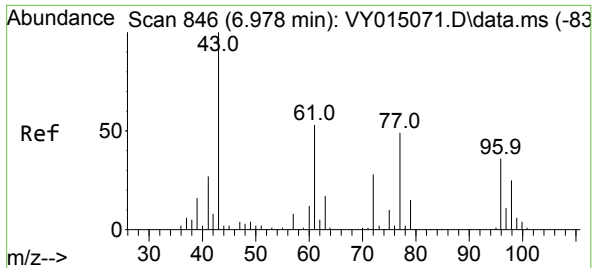
Tgt Ion: 84 Resp: 7815
Ion Ratio Lower Upper
84 100
49 103.5 106.9 160.3#
51 27.7 33.2 49.8#
86 63.2 51.0 76.6



#25
2-Butanone
Concen: 4.541 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

Tgt Ion: 43 Resp: 2273
Ion Ratio Lower Upper
43 100
72 12.1 20.5 30.7#

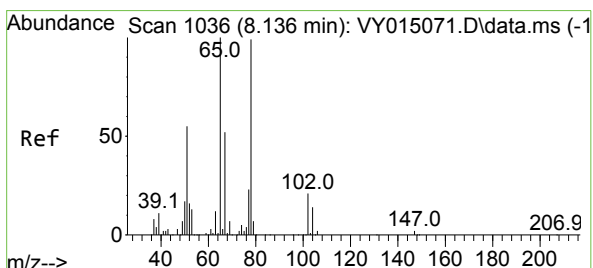
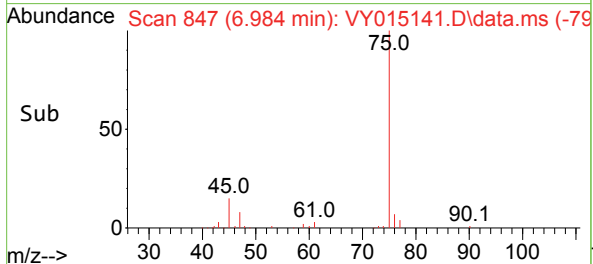
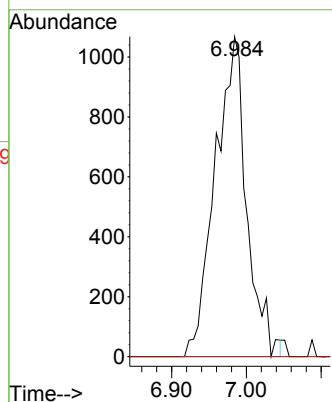
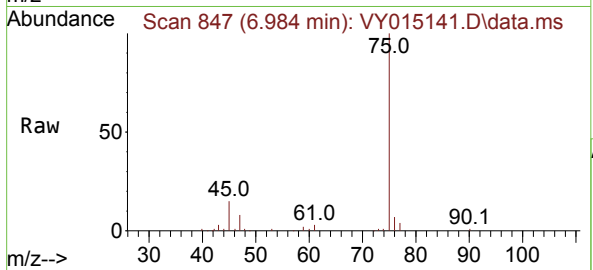




#26
2,2-Dichloropropane
Concen: 2.161 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

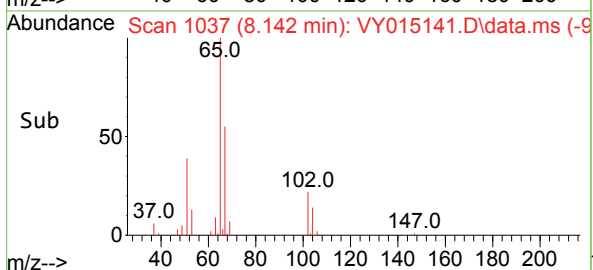
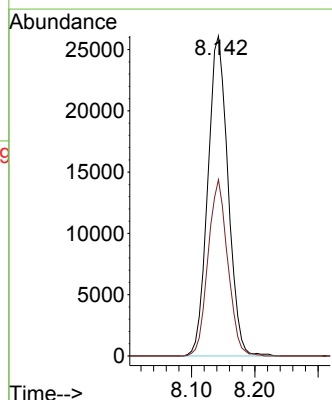
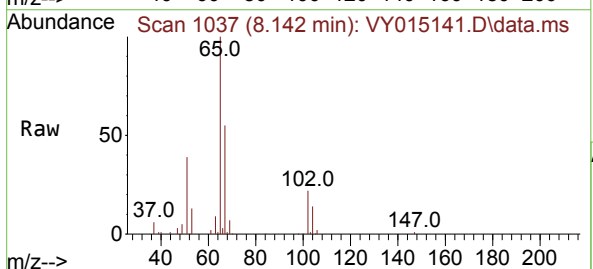
Instrument :
MSVOA_Y
ClientSampleId :

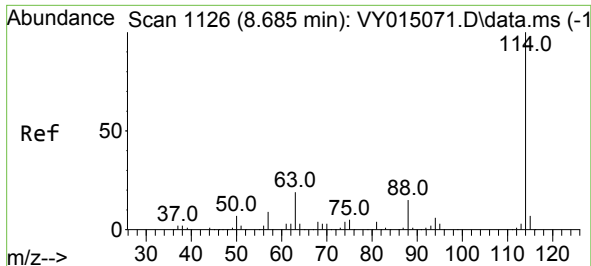
Tgt Ion: 77 Resp: 3130
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 53.538 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

Tgt Ion: 65 Resp: 57931
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.8

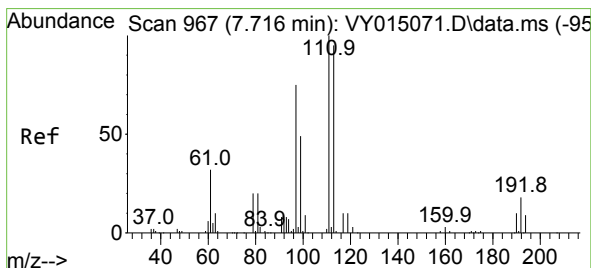
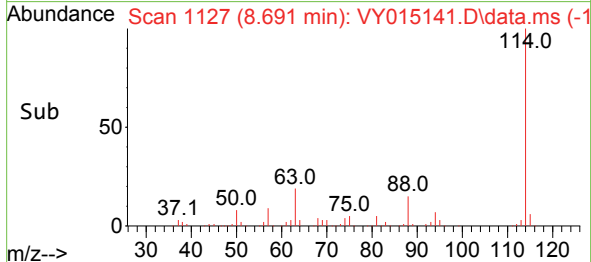
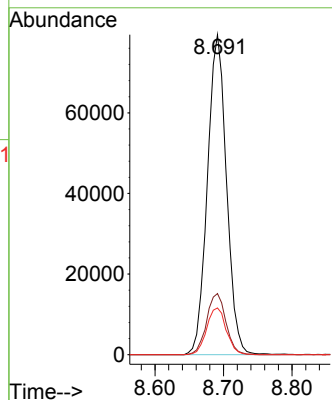
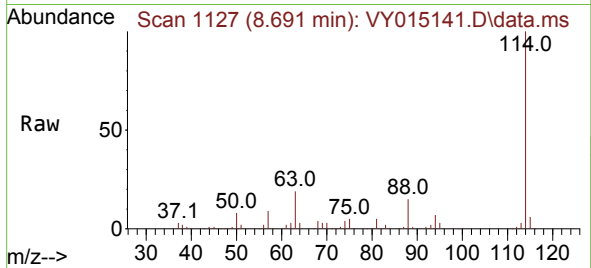




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

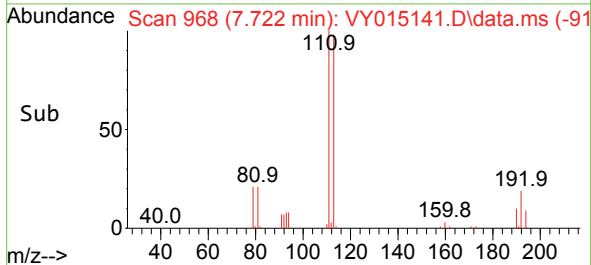
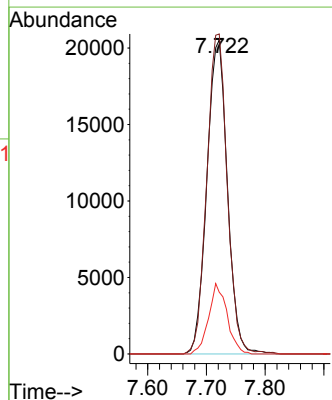
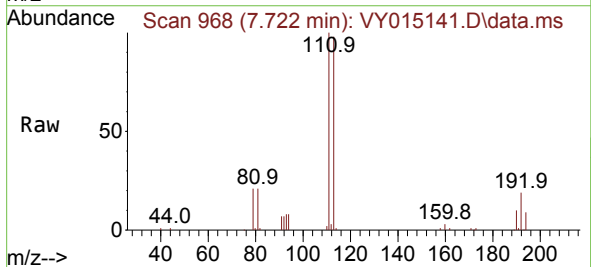
Instrument :
MSVOA_Y
ClientSampleId :

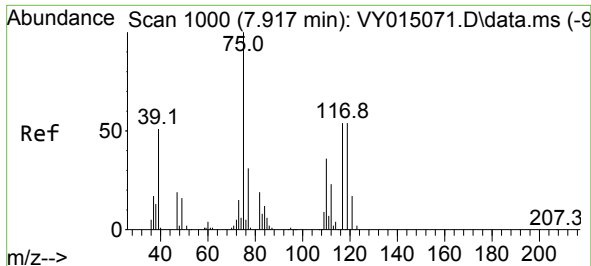
Tgt Ion:114 Resp: 153844
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.349 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

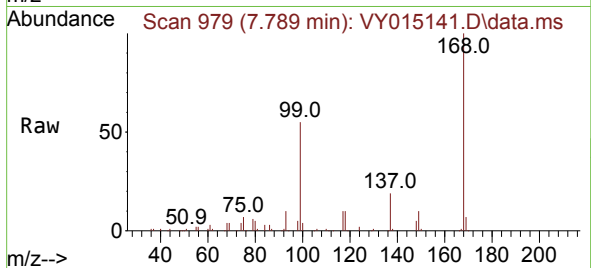
Tgt Ion:113 Resp: 49832
Ion Ratio Lower Upper
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111 101.4 81.3 121.9
192 20.2 16.9 25.3



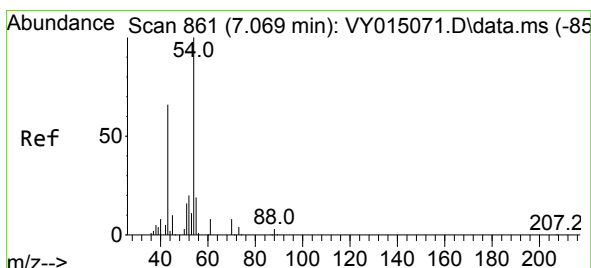
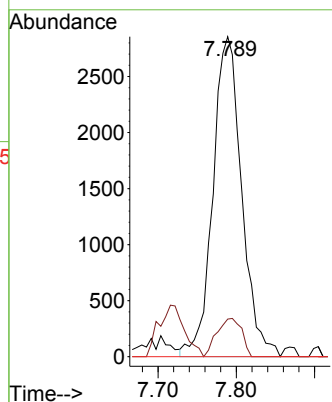
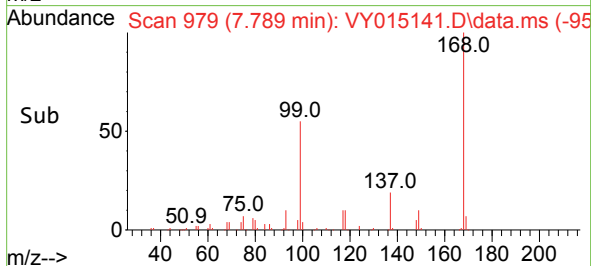


#36
1,1-Dichloropropene
Concen: 6.649 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

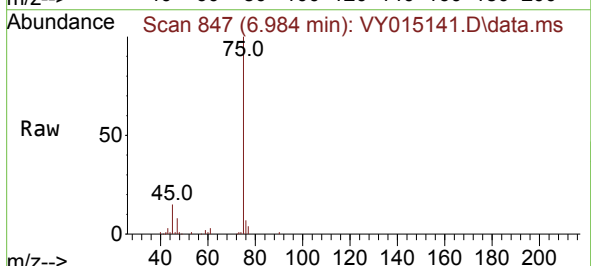
Instrument :
MSVOA_Y
ClientSampleId :



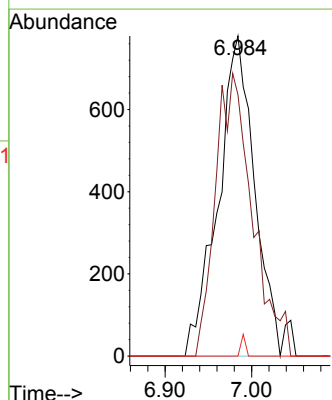
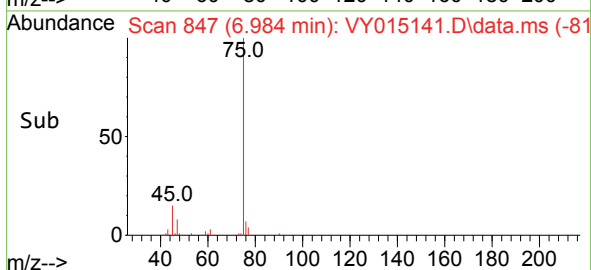
Tgt Ion: 75 Resp: 7280
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#

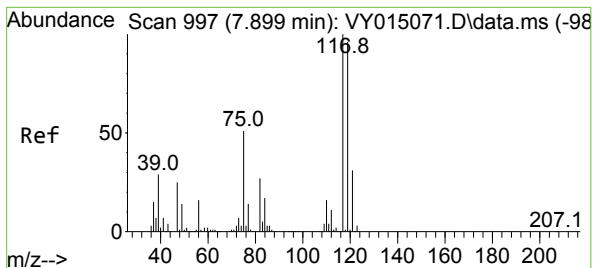


#37
Ethyl Acetate
Concen: 2.227 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45



Tgt Ion: 43 Resp: 2273
Ion Ratio Lower Upper
43 100
61 89.9 10.1 15.1#
70 0.8 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.902 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.104 min

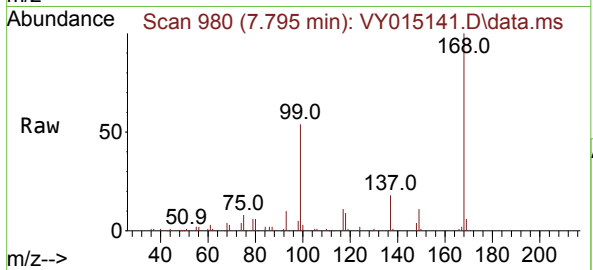
Lab File: VY015141.D

Acq: 16 Aug 2023 11:45

Instrument :

MSVOA_Y

ClientSampleId :



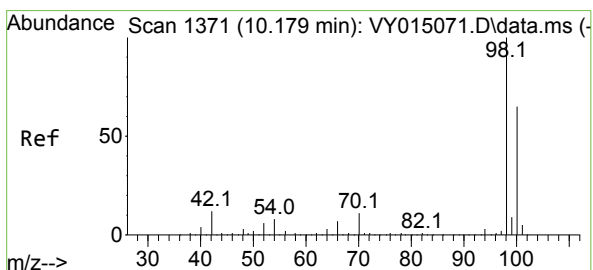
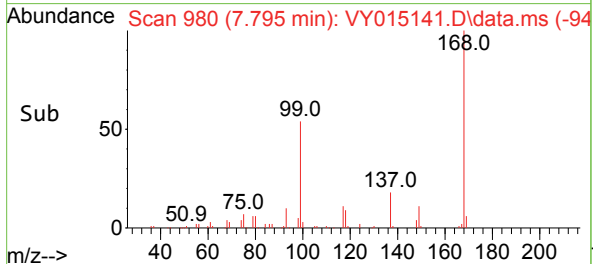
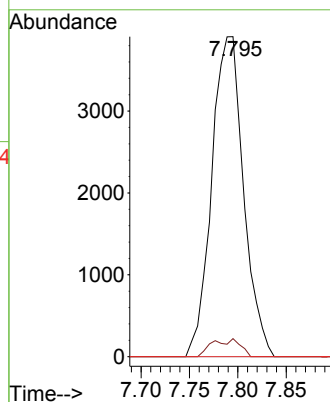
Tgt Ion:117 Resp: 8944

Ion Ratio Lower Upper

117 100

119 5.7 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 49.875 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015141.D

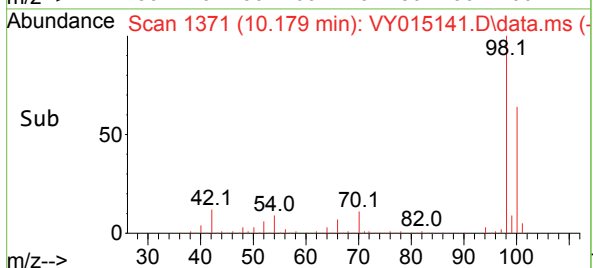
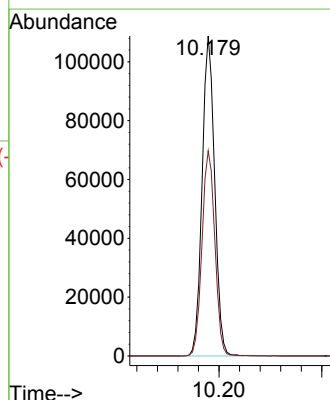
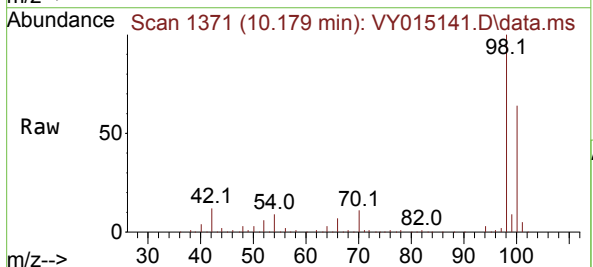
Acq: 16 Aug 2023 11:45

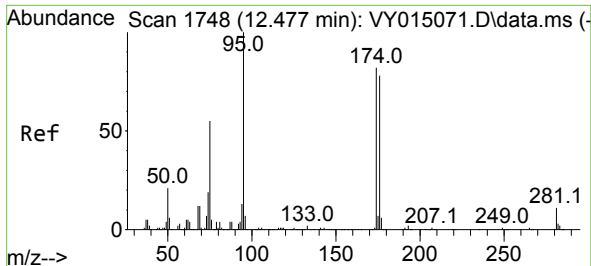
Tgt Ion: 98 Resp: 183756

Ion Ratio Lower Upper

98 100

100 65.8 50.1 75.1

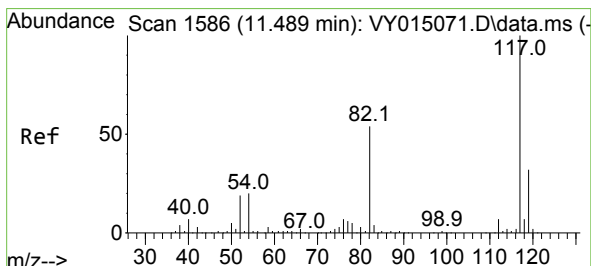
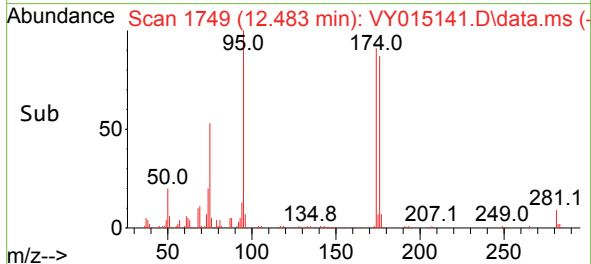
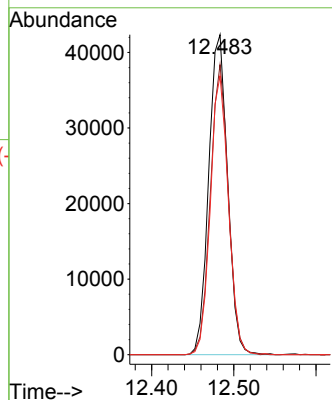
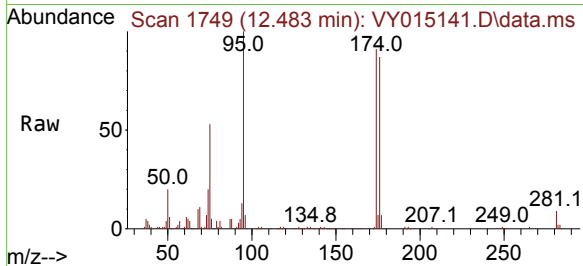




#62
4-Bromofluorobenzene
Concen: 50.127 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

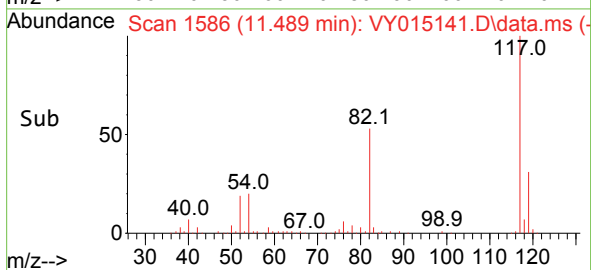
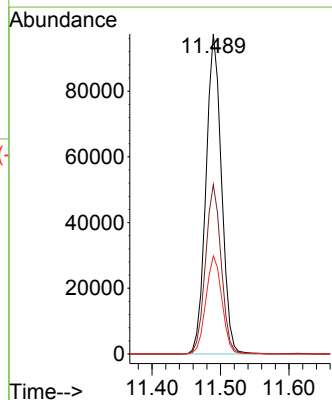
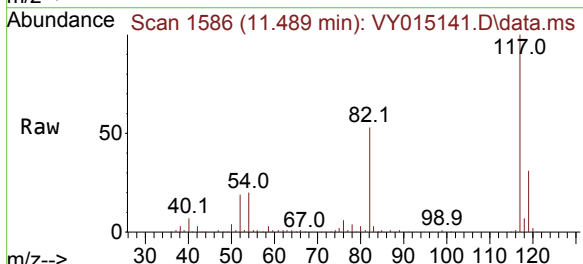
Instrument :
MSVOA_Y
ClientSampleId :

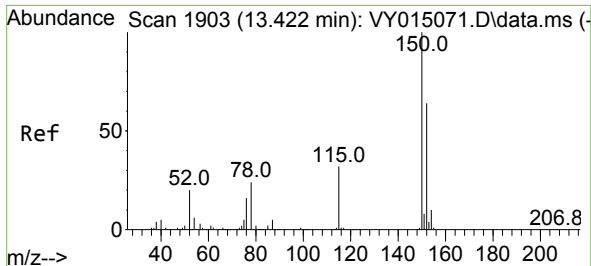
Tgt Ion: 95 Resp: 67456
Ion Ratio Lower Upper
95 100
174 87.2 0.0 178.2
176 83.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015141.D
Acq: 16 Aug 2023 11:45

Tgt Ion: 117 Resp: 153995
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 30.7 26.3 39.5

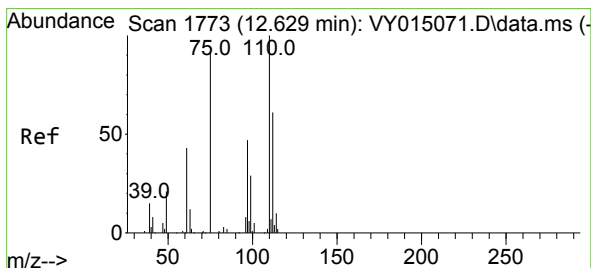
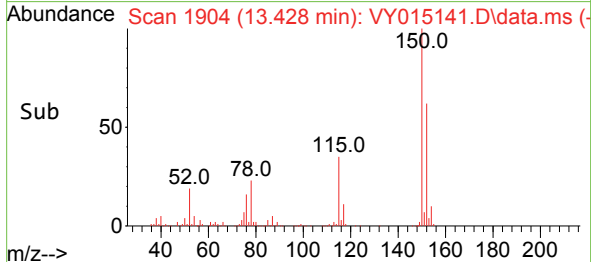
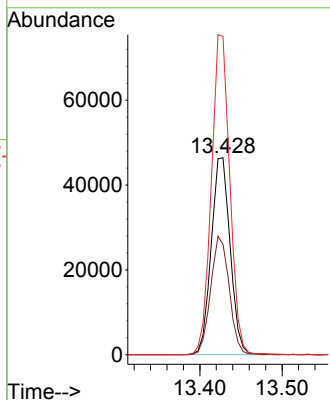
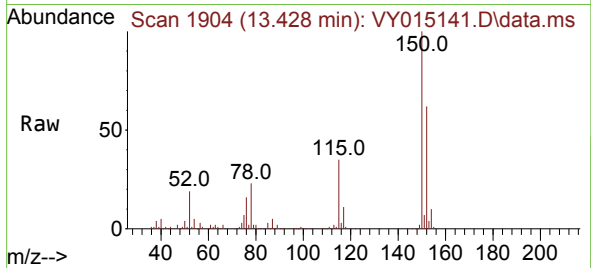




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015141.D
 Acq: 16 Aug 2023 11:45

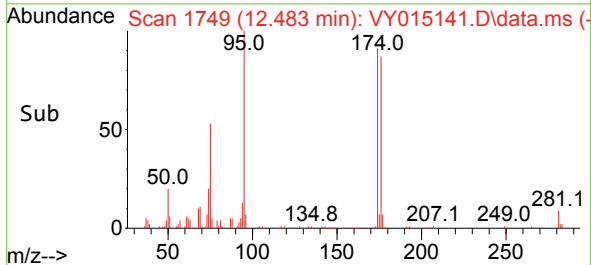
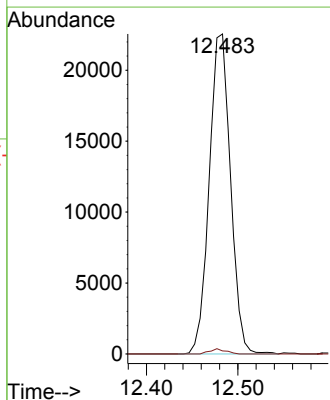
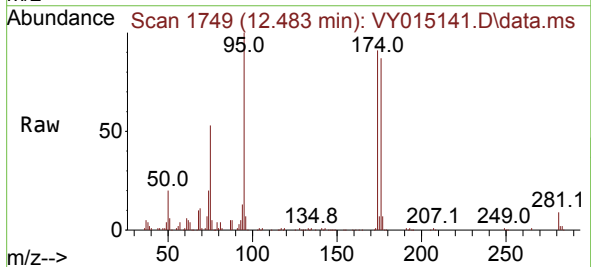
Instrument :
 MSVOA_Y
 ClientSampleId :

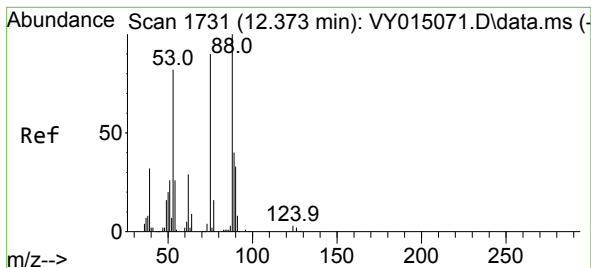
Tgt Ion:152 Resp: 74357
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.8 86.5
 150 158.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.338 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY015141.D
 Acq: 16 Aug 2023 11:45

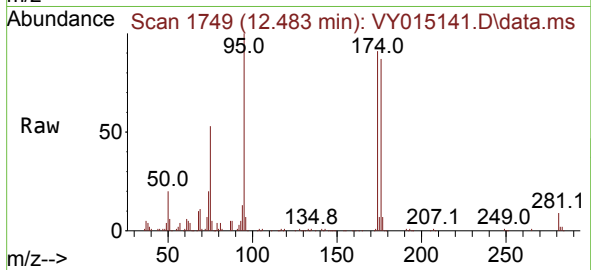
Tgt Ion: 75 Resp: 36441
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.603 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015141.D
 Acq: 16 Aug 2023 11:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 36441
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

