

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015140.D
 Acq On : 16 Aug 2023 11:22
 Operator : SY/MD
 Sample : 04011-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:27:53 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)

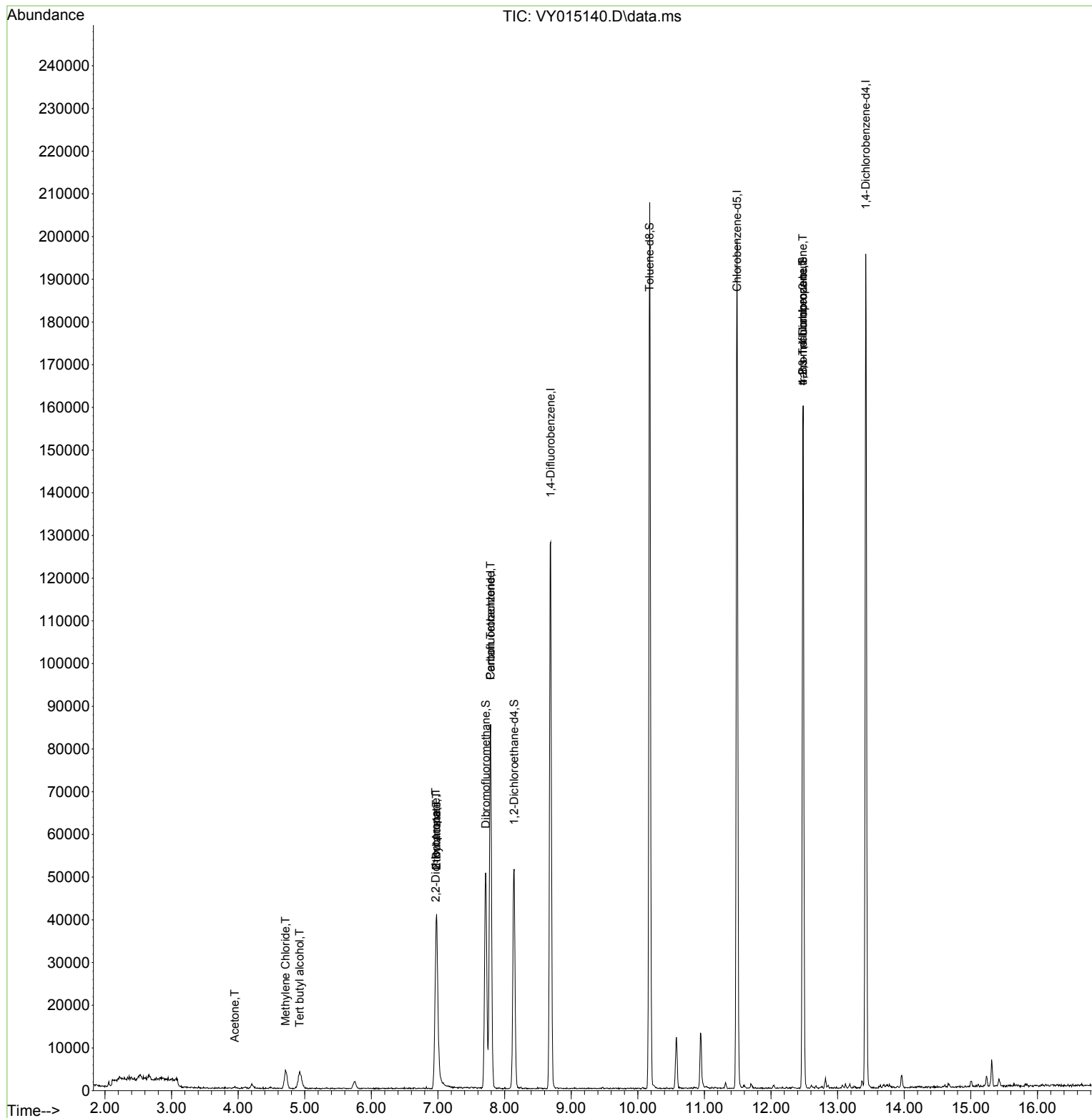
Internal Standards						
1) Pentafluorobenzene	7.789	168	66382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	112191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	106175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	50317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	40557	50.896	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.800%	
35) Dibromofluoromethane	7.716	113	36179	50.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.260%	
50) Toluene-d8	10.179	98	132440	49.293	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.477	95	46906	47.797	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	331	Below Cal	#	72
11) Tert butyl alcohol	4.924	59	4363	18.237	ug/l #	89
16) Acetone	3.948	43	721	2.770	ug/l	97
20) Methylene Chloride	4.710	84	3308	1.072	ug/l	86
25) 2-Butanone	6.978	43	2245	6.091	ug/l #	90
26) 2,2-Dichloropropane	6.966	77	3246	3.044	ug/l #	54
31) Cyclohexane	7.789	56	1548	Below Cal	#	39
37) Ethyl Acetate	6.978	43	2245	3.016	ug/l #	1
38) Carbon Tetrachloride	7.789	117	6656	7.043	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	25261	41.322	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25261	90.764	ug/l #	11

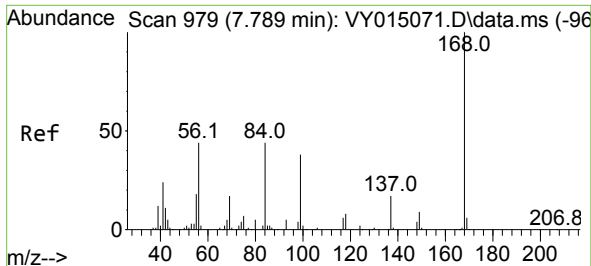
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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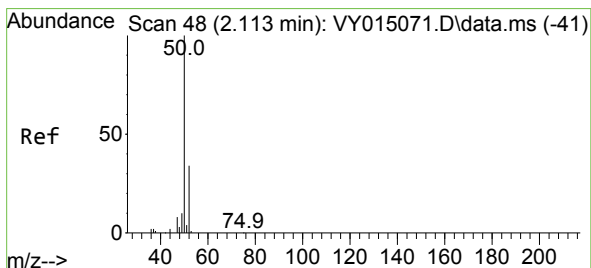
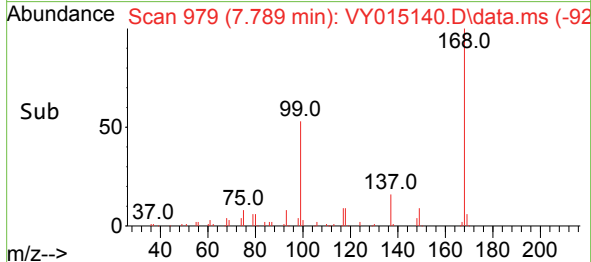
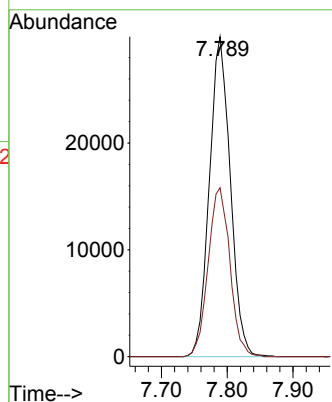
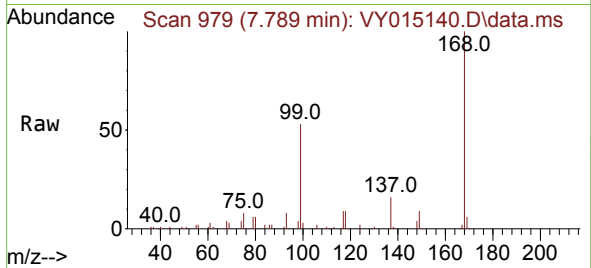




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

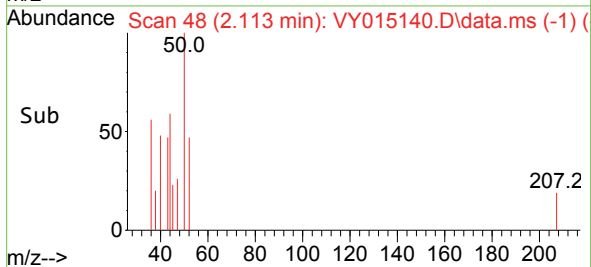
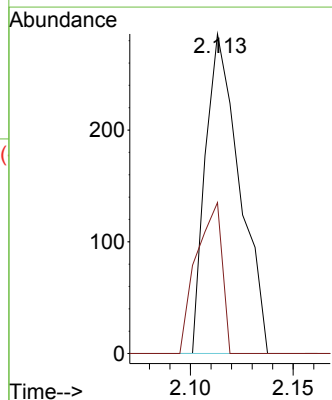
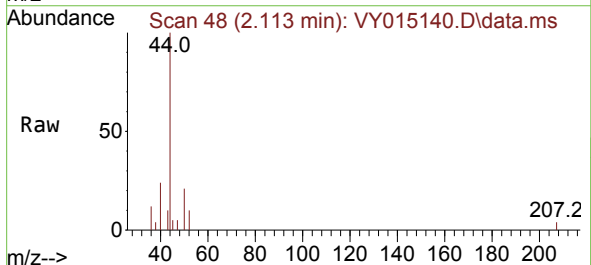
Instrument :
MSVOA_Y
ClientSampleId :

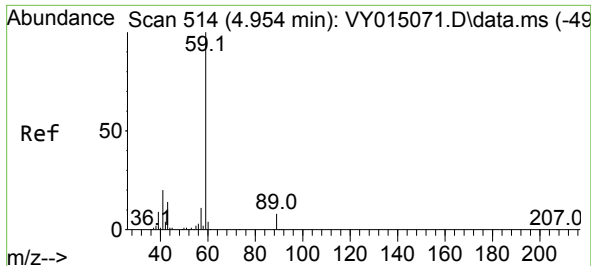
Tgt Ion:168 Resp: 66382
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 47.2 25.4 38.2#





#11

Tert butyl alcohol

Concen: 18.237 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

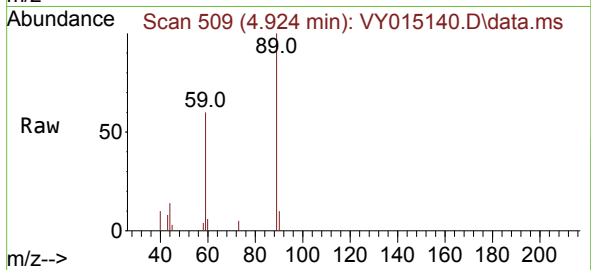
Lab File: VY015140.D

Acq: 16 Aug 2023 11:22

Instrument :

MSVOA_Y

ClientSampleId :

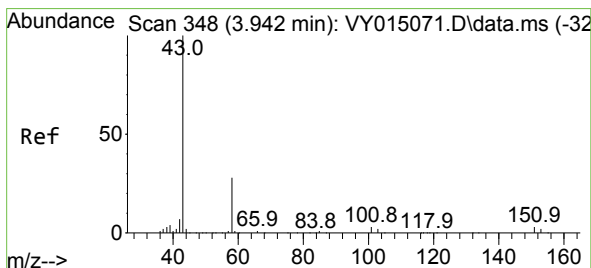
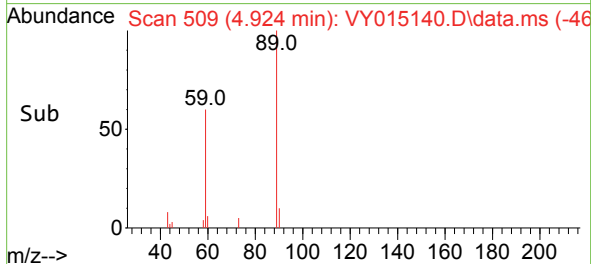
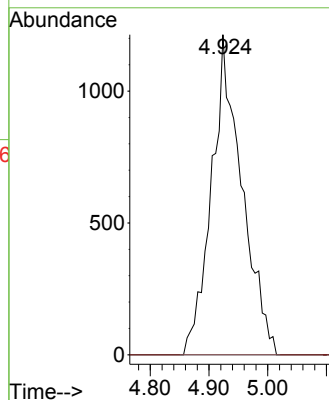


Tgt Ion: 59 Resp: 4363

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.770 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015140.D

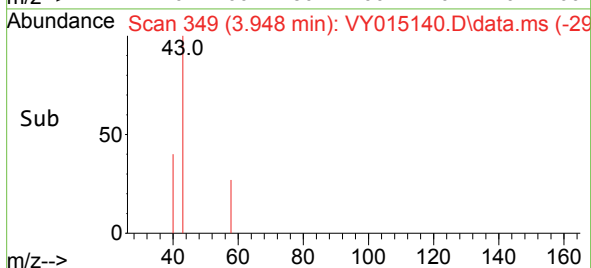
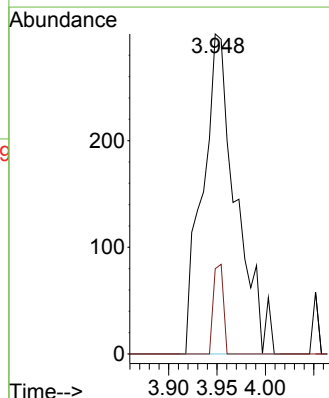
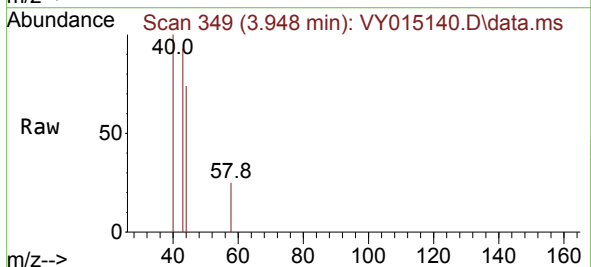
Acq: 16 Aug 2023 11:22

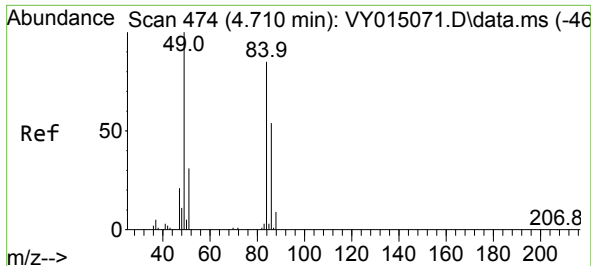
Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

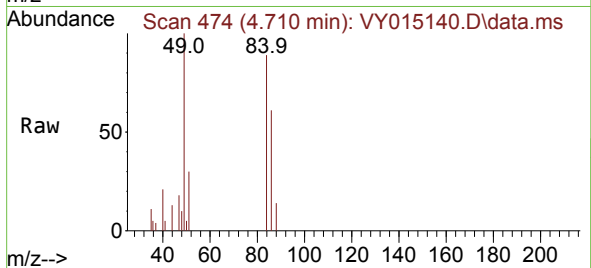
58 26.7 22.7 34.1



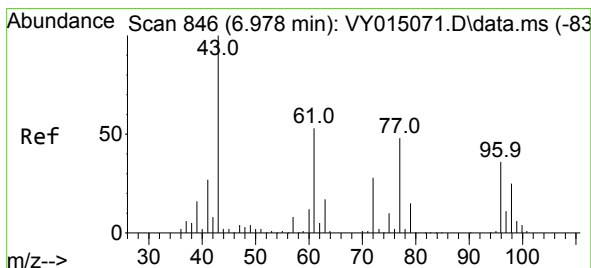
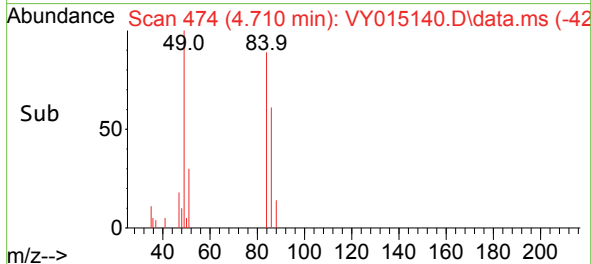
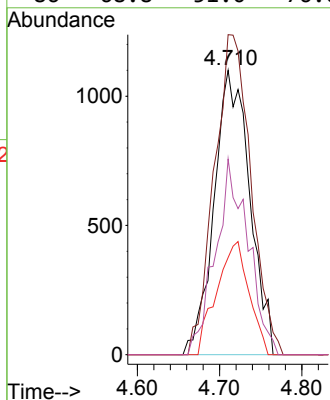


#20
Methylene Chloride
Concen: 1.072 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Instrument :
MSVOA_Y
ClientSampleId :

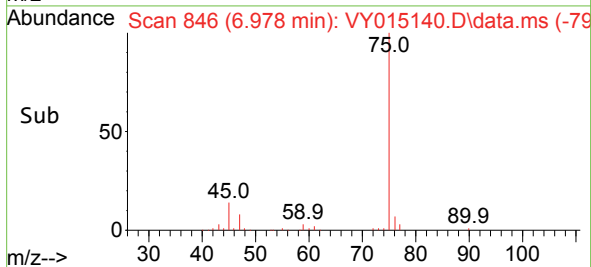
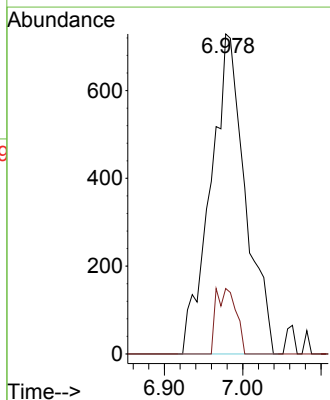
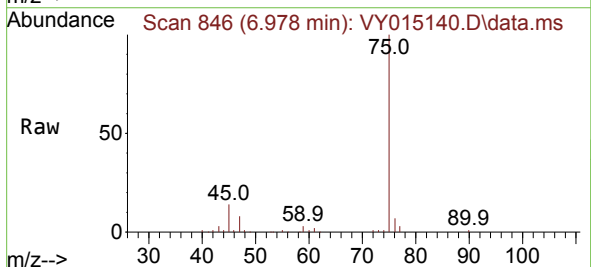


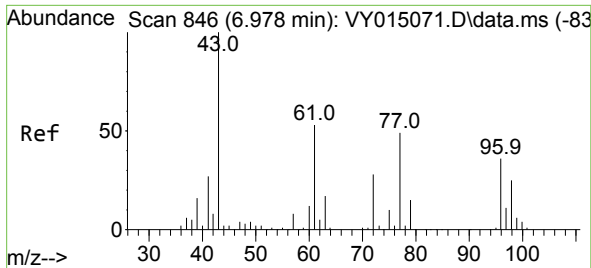
Tgt Ion:	84	Resp:	3308
Ion	Ratio	Lower	Upper
84	100		
49	112.5	106.9	160.3
51	34.2	33.2	49.8
86	68.8	51.0	76.6



#25
2-Butanone
Concen: 6.091 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion:	43	Resp:	2245
Ion	Ratio	Lower	Upper
43	100		
72	20.4	20.5	30.7#

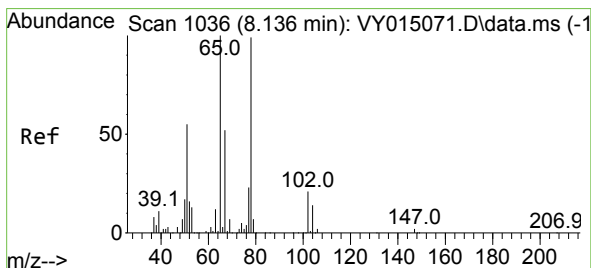
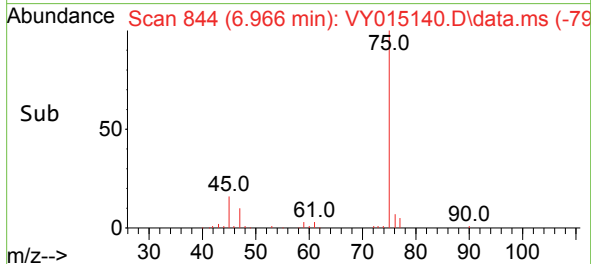
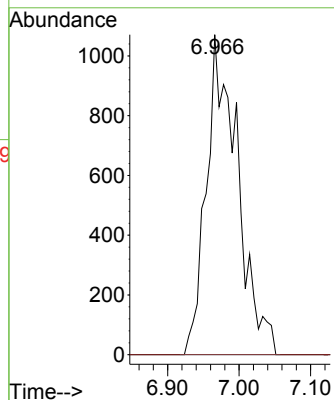
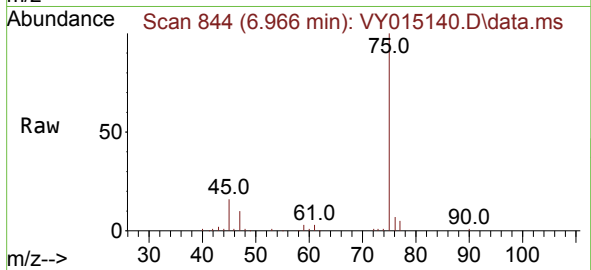




#26
2,2-Dichloropropane
Concen: 3.044 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

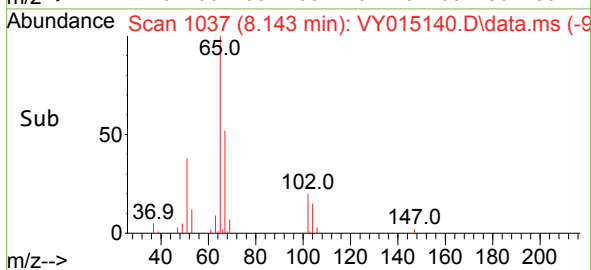
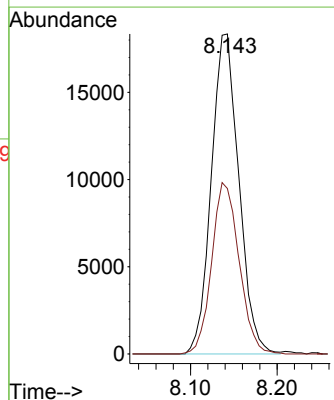
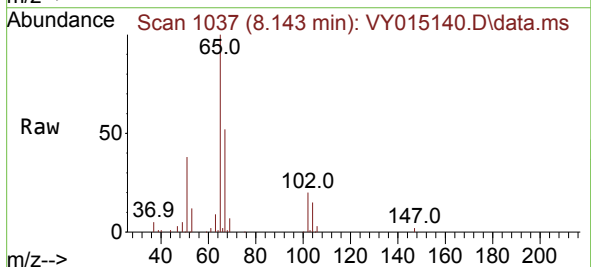
Instrument :
MSVOA_Y
ClientSampleId :

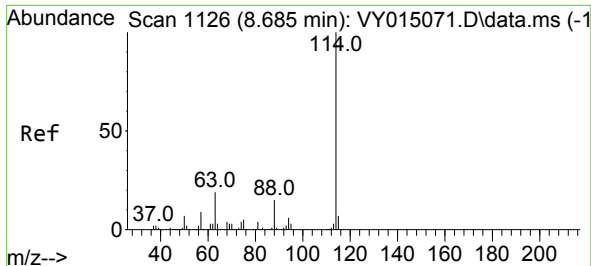
Tgt Ion: 77 Resp: 3246
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 50.896 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion: 65 Resp: 40557
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015140.D

Acq: 16 Aug 2023 11:22

Instrument :

MSVOA_Y

ClientSampleId :

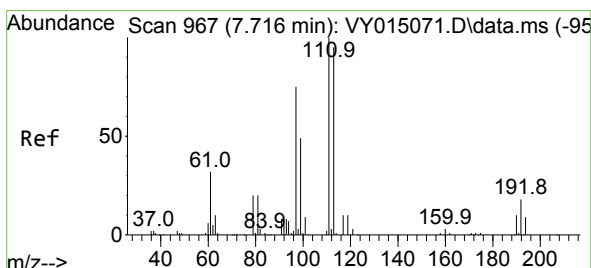
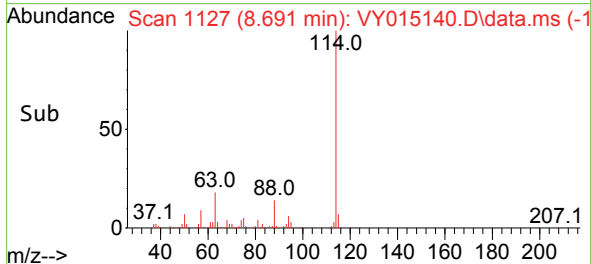
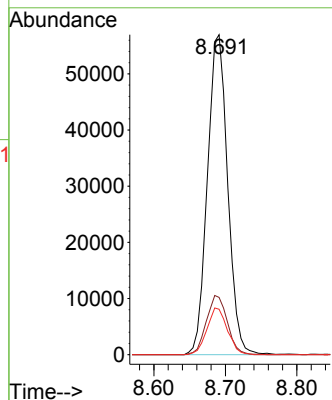
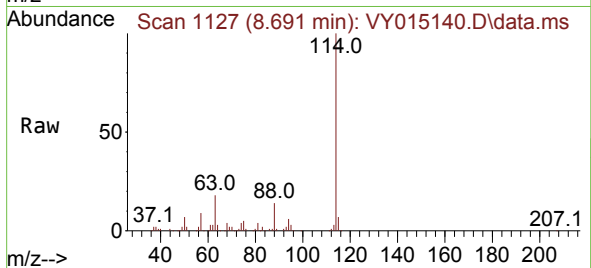
Tgt Ion:114 Resp: 112191

Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.126 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015140.D

Acq: 16 Aug 2023 11:22

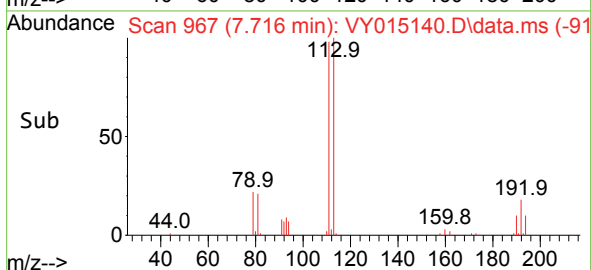
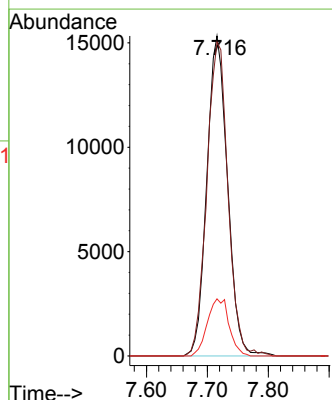
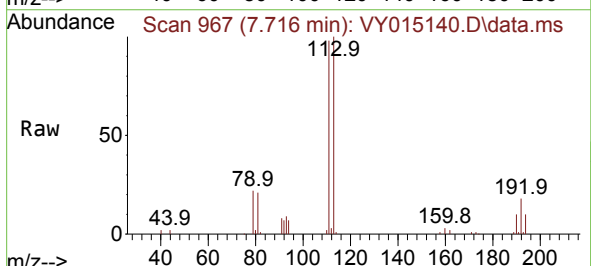
Tgt Ion:113 Resp: 36179

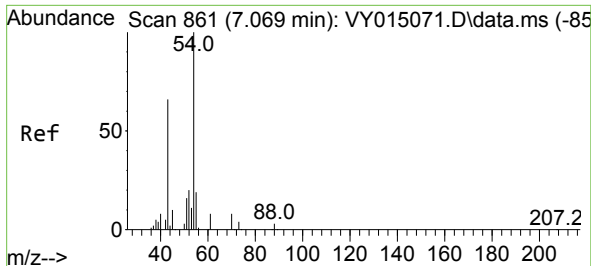
Ion Ratio Lower Upper

113 100

111 100.2 81.3 121.9

192 18.8 16.9 25.3





#37

Ethyl Acetate

Concen: 3.016 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

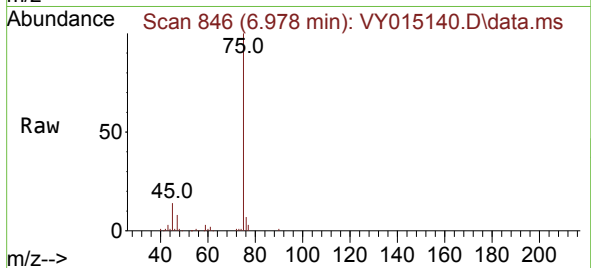
Lab File: VY015140.D

Acq: 16 Aug 2023 11:22

Instrument :

MSVOA_Y

ClientSampleId :



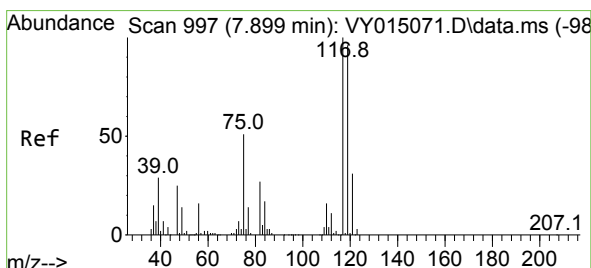
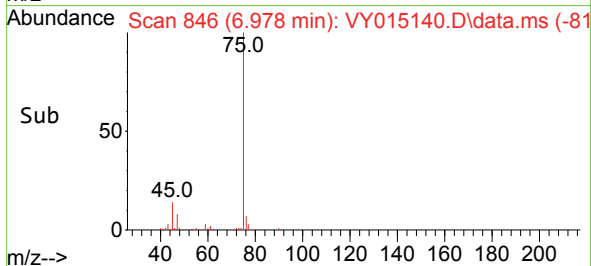
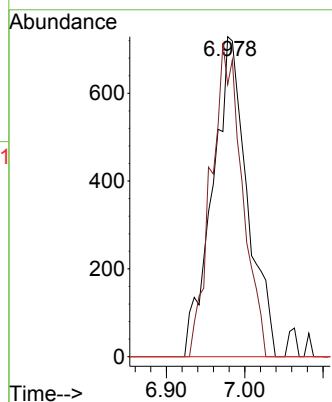
Tgt Ion: 43 Resp: 2245

Ion Ratio Lower Upper

43 100

61 87.4 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.043 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015140.D

Acq: 16 Aug 2023 11:22

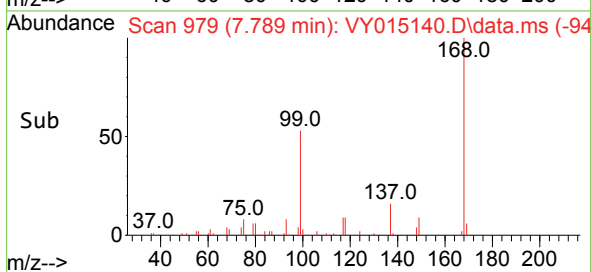
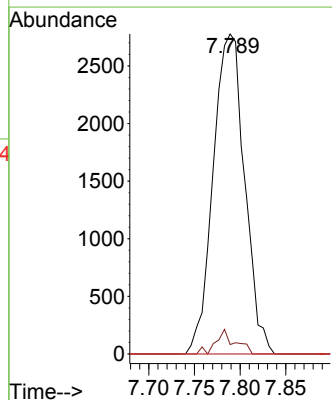
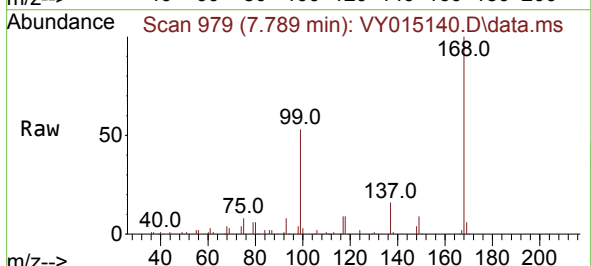
Tgt Ion: 117 Resp: 6656

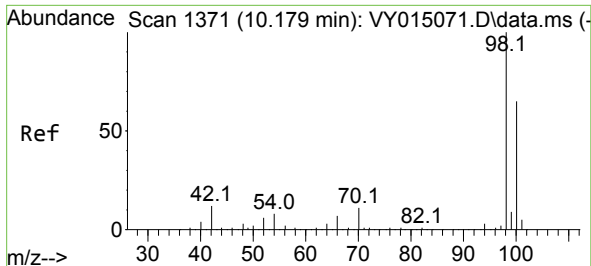
Ion Ratio Lower Upper

117 100

119 3.0 76.4 114.6#

121 0.0 25.8 38.6#

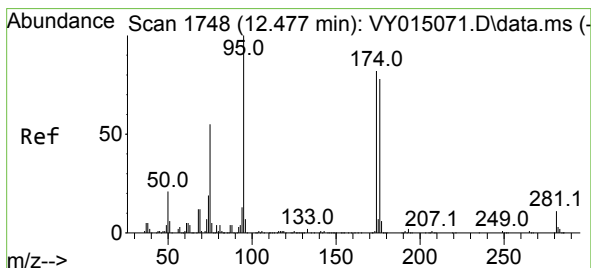
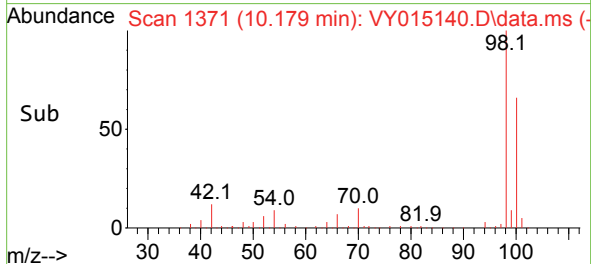
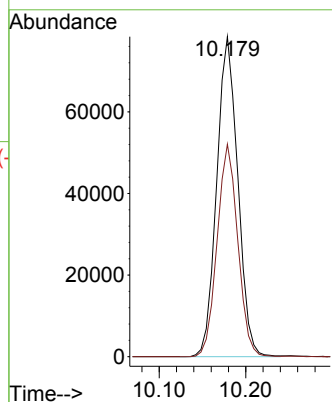
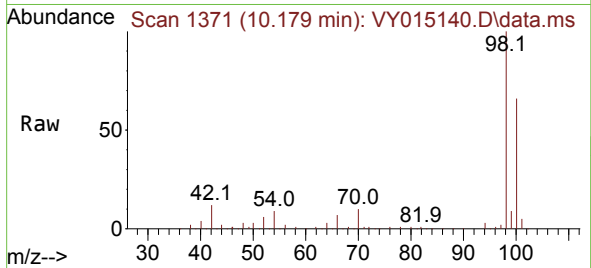




#50
Toluene-d8
Concen: 49.293 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

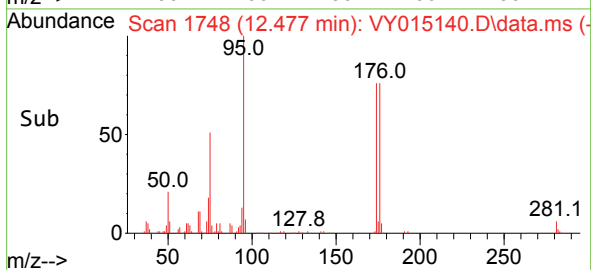
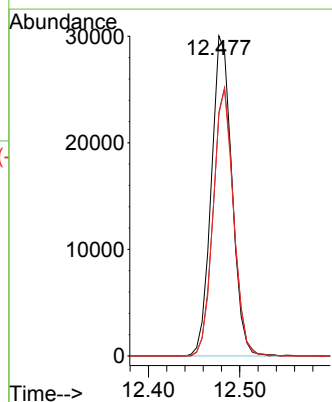
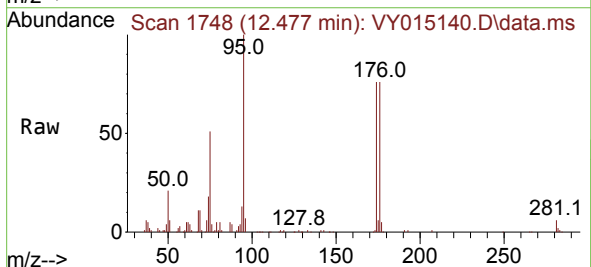
Instrument :
MSVOA_Y
ClientSampleId :

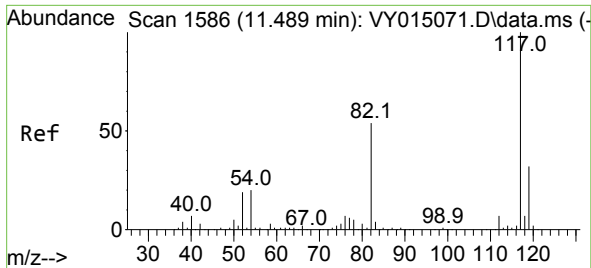
Tgt Ion: 98 Resp: 132440
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion: 95 Resp: 46906
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 82.3 0.0 173.8

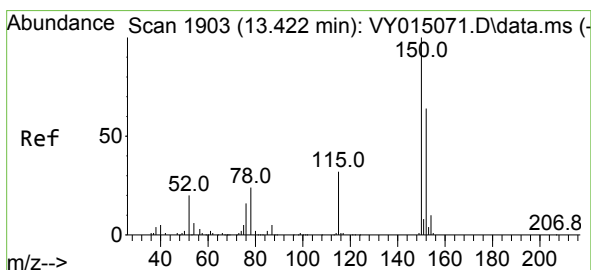
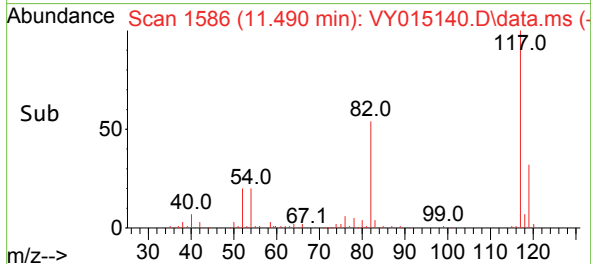
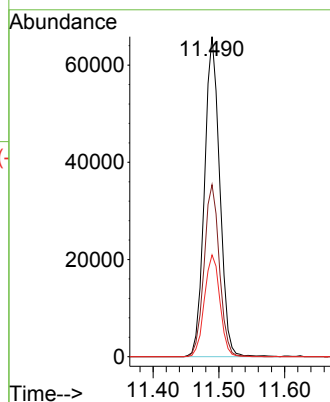
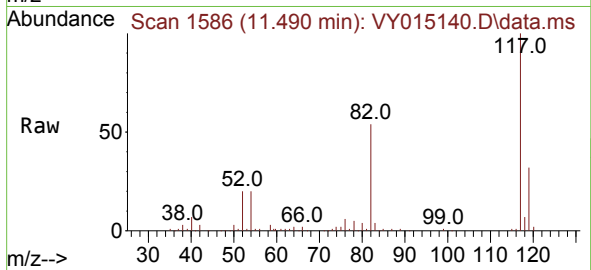




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

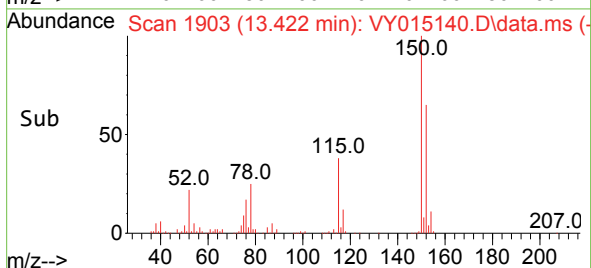
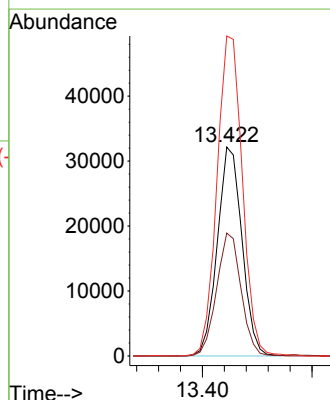
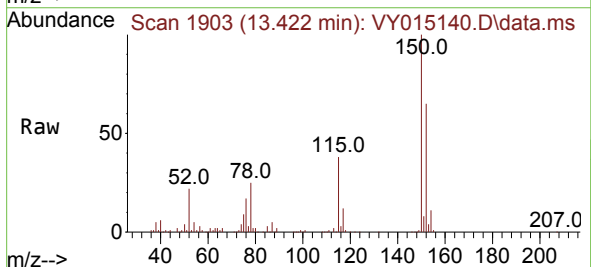
Instrument :
MSVOA_Y
ClientSampleId :

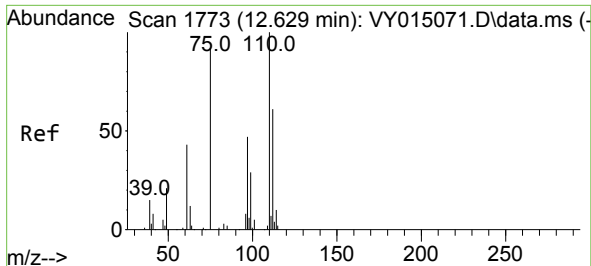
Tgt Ion:117 Resp: 106175
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion:152 Resp: 50317
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 157.6 0.0 348.8

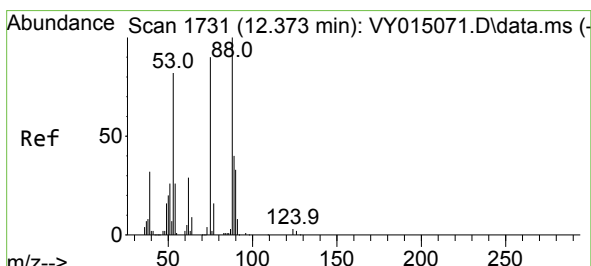
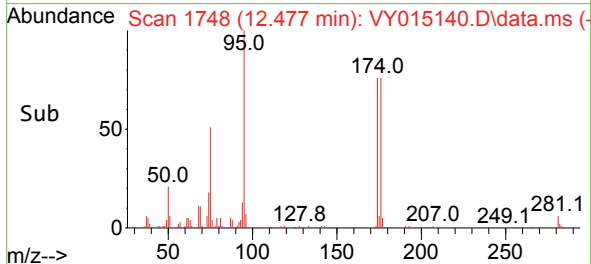
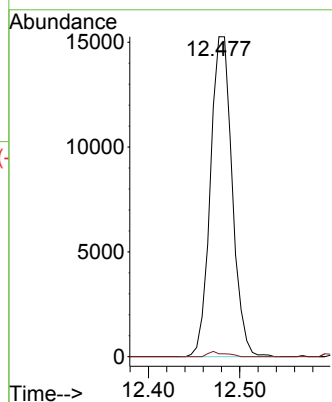
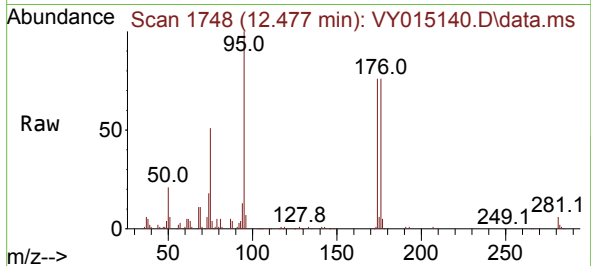




#76
1,2,3-Trichloropropane
Concen: 41.322 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 25261
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.764 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015140.D
Acq: 16 Aug 2023 11:22

Tgt Ion: 75 Resp: 25261
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

