

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015144.D
 Acq On : 16 Aug 2023 12:56
 Operator : SY/MD
 Sample : 03985-01
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:29:15 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)

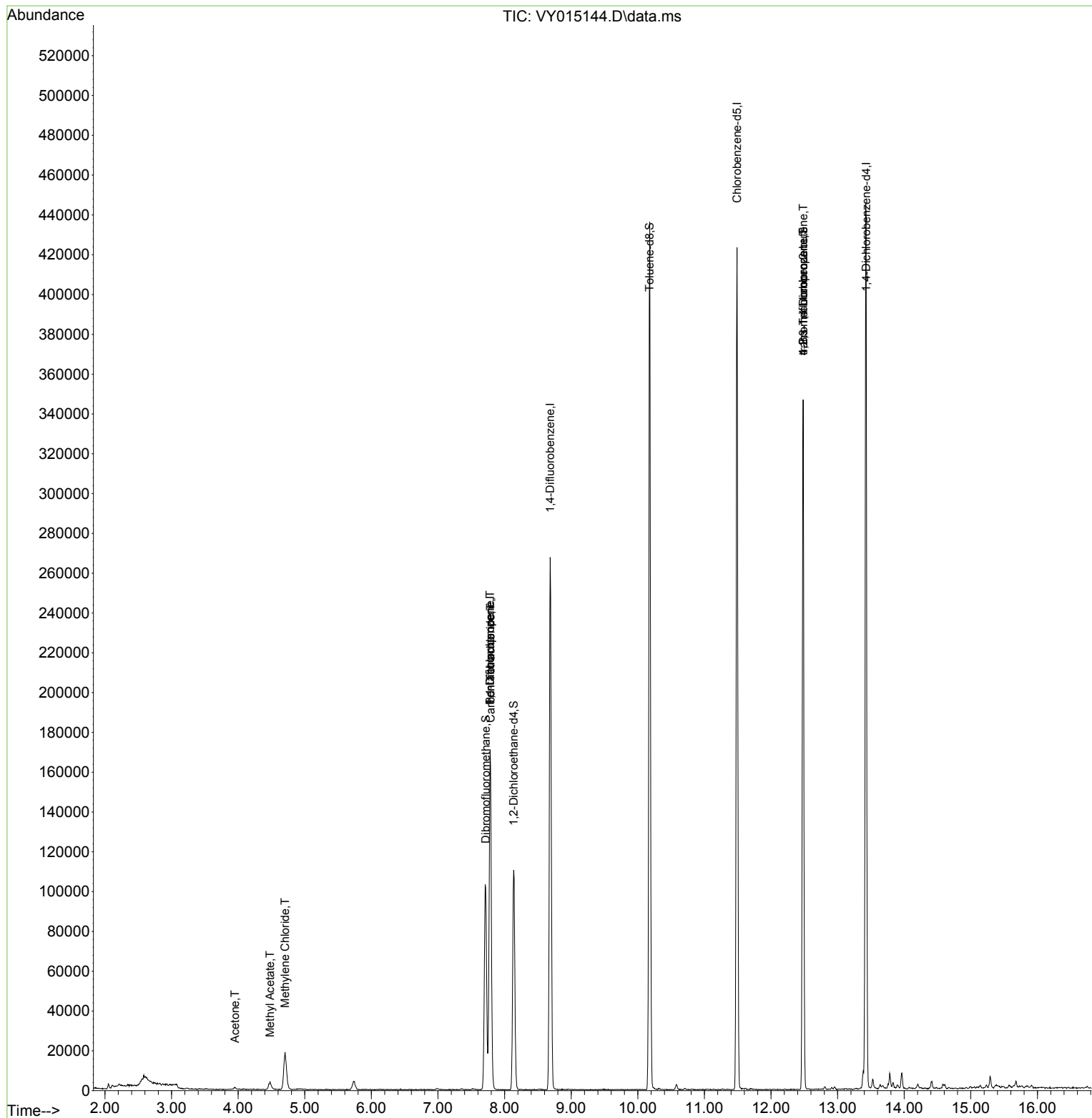
Internal Standards						
1) Pentafluorobenzene	7.783	168	133867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	233282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88403	55.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.020%	
35) Dibromofluoromethane	7.716	113	73469	48.954	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.900%	
50) Toluene-d8	10.179	98	276578	49.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	12.483	95	103362	50.654	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	440	Below Cal	#	74
5) Bromomethane	2.613	94	212	Below Cal	#	76
11) Tert butyl alcohol	4.966	59	315	Below Cal	#	89
16) Acetone	3.954	43	1858	3.539	ug/l #	73
18) Methyl Acetate	4.479	43	6855	3.563	ug/l	92
20) Methylene Chloride	4.704	84	13542	7.048	ug/l	92
31) Cyclohexane	7.783	56	2663	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10268	6.184	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13615	6.929	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	55143	39.935	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55143	87.716	ug/l #	10

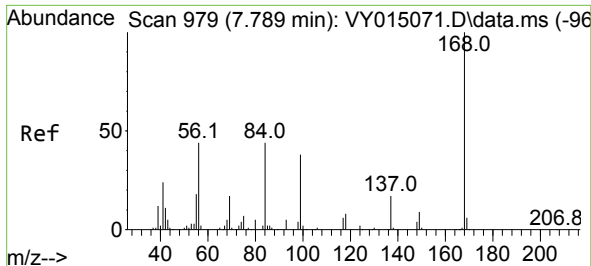
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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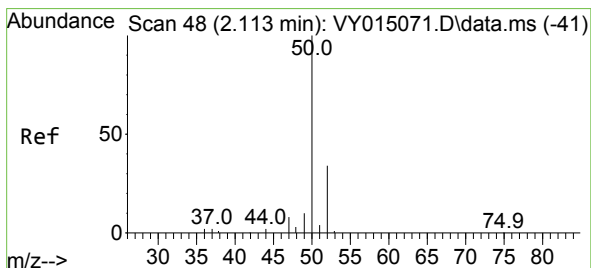
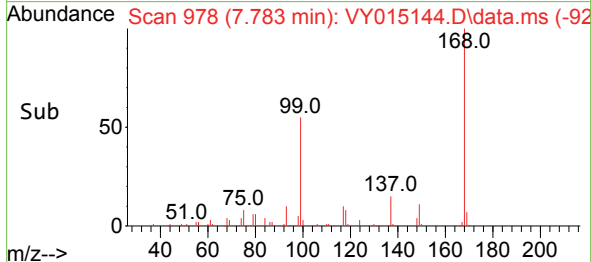
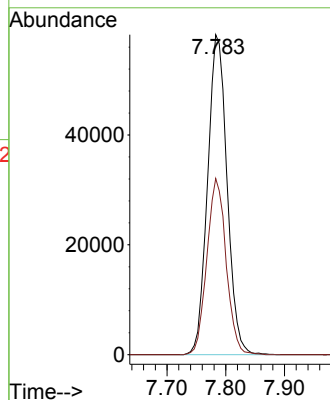
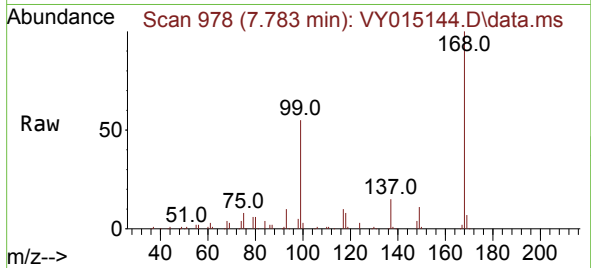




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

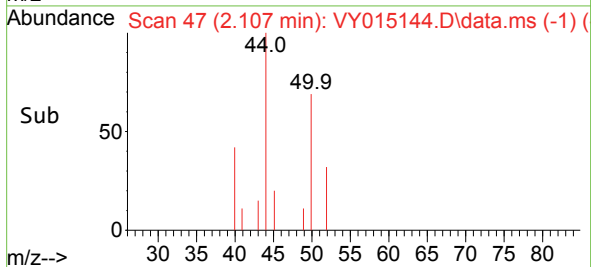
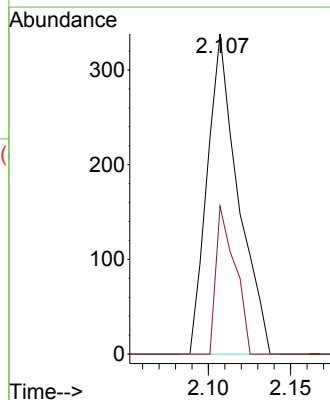
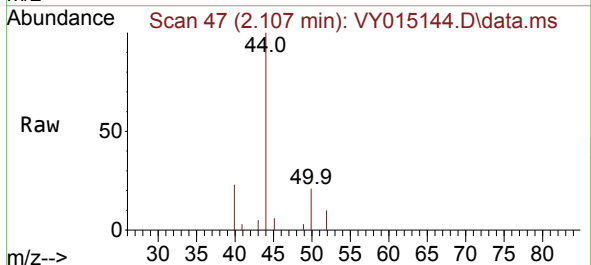
Instrument :
MSVOA_Y
ClientSampleId :

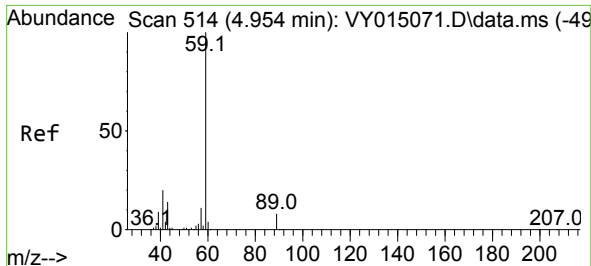
Tgt Ion:168 Resp: 133867
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 50 Resp: 440
Ion Ratio Lower Upper
50 100
52 46.2 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 51

Delta R.T. 0.018 min

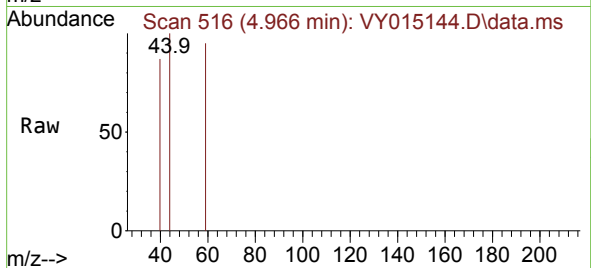
Lab File: VY015144.D

Acq: 16 Aug 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

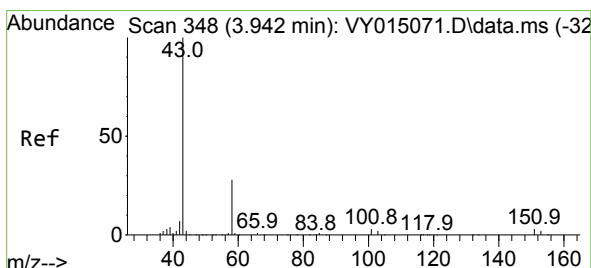
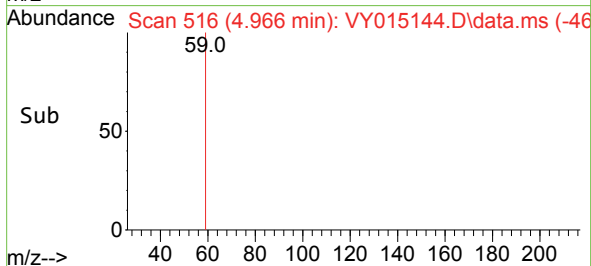
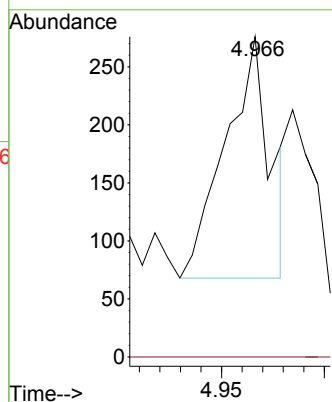


Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 3.539 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015144.D

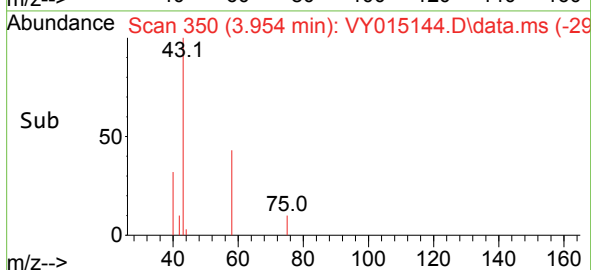
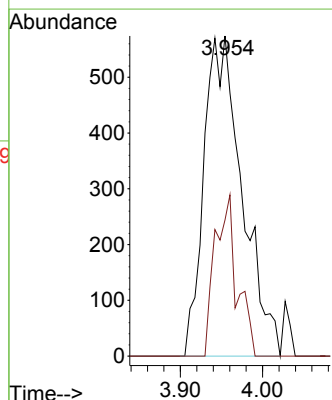
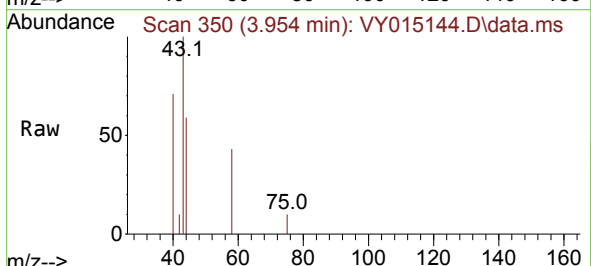
Acq: 16 Aug 2023 12:56

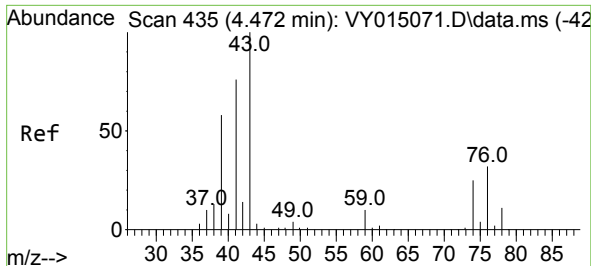
Tgt Ion: 43 Resp: 1858

Ion Ratio Lower Upper

43 100

58 42.5 22.7 34.1#

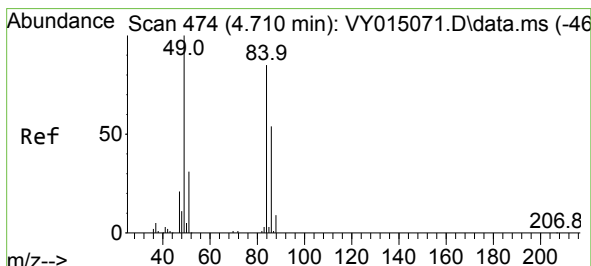
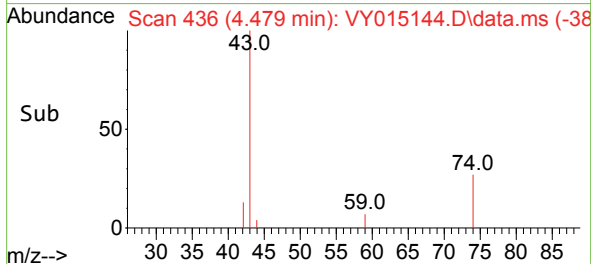
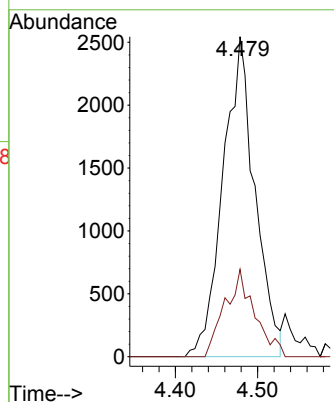
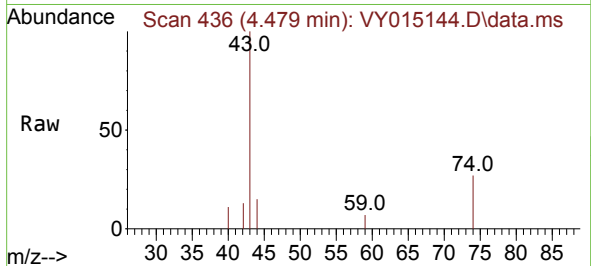




#18
Methyl Acetate
Concen: 3.563 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

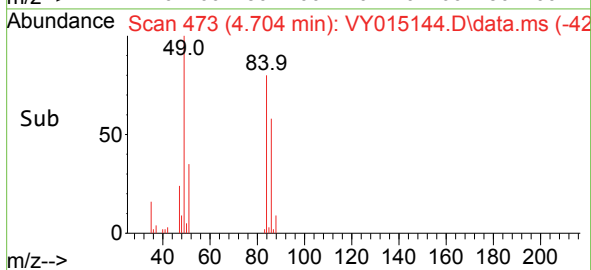
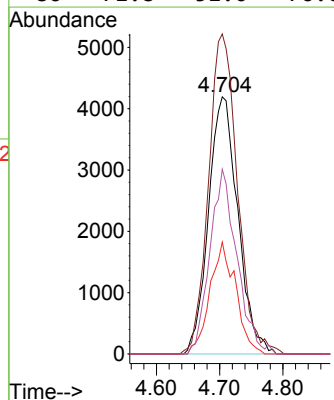
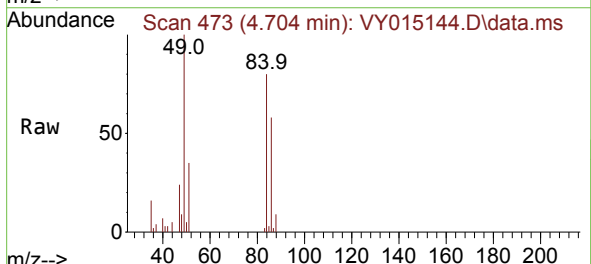
Instrument :
MSVOA_Y
ClientSampleId :

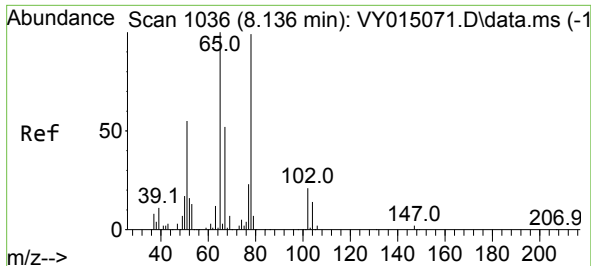
Tgt Ion: 43 Resp: 6855
Ion Ratio Lower Upper
43 100
74 25.5 17.4 26.0



#20
Methylene Chloride
Concen: 7.048 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 84 Resp: 13542
Ion Ratio Lower Upper
84 100
49 124.5 106.9 160.3
51 43.5 33.2 49.8
86 71.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 55.013 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015144.D

Acq: 16 Aug 2023 12:56

Instrument :

MSVOA_Y

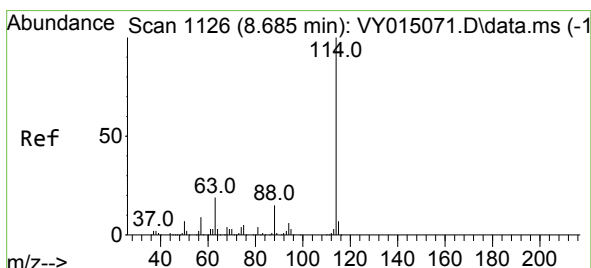
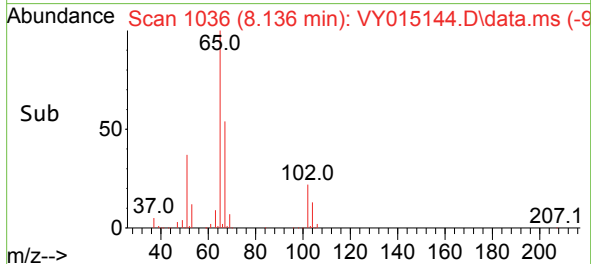
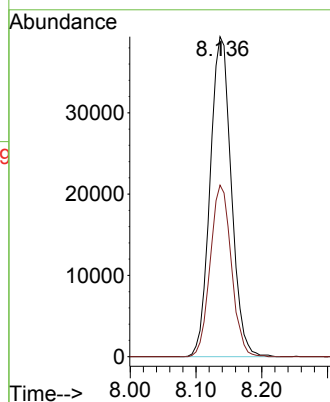
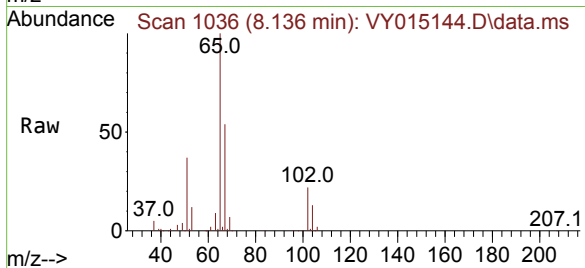
ClientSampleId :

Tgt Ion: 65 Resp: 88403

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015144.D

Acq: 16 Aug 2023 12:56

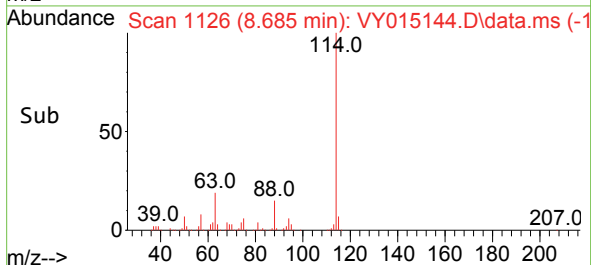
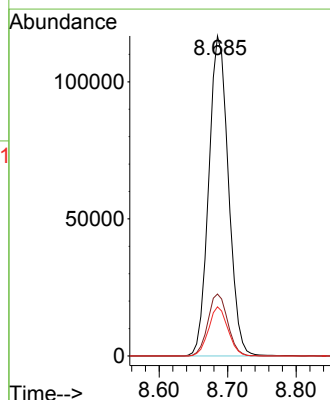
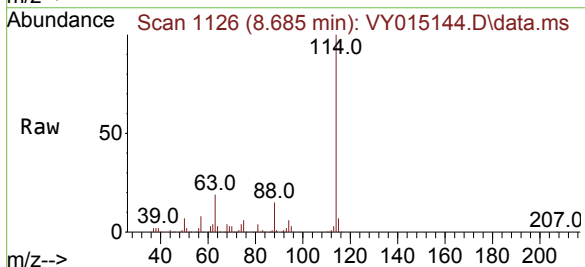
Tgt Ion: 114 Resp: 233282

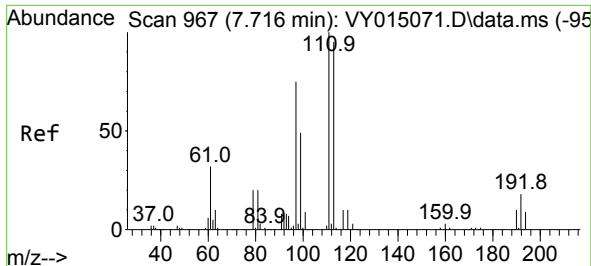
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.4 0.0 30.6

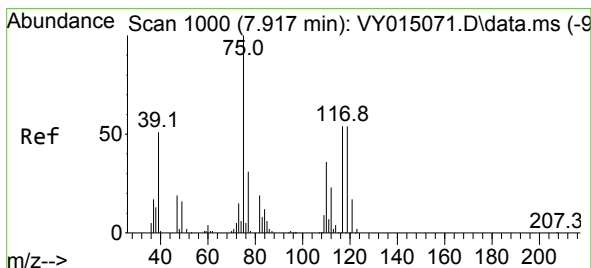
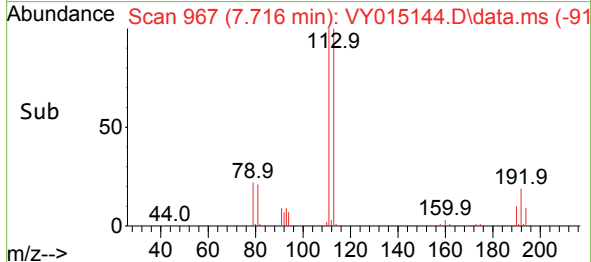
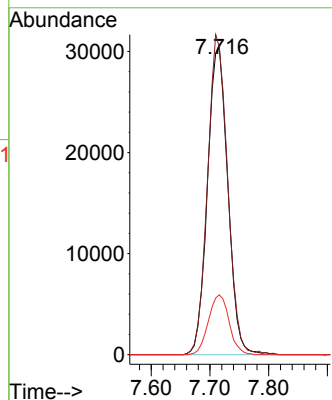
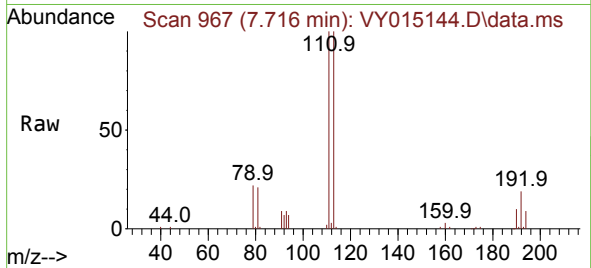




#35
 Dibromofluoromethane
 Concen: 48.954 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY015144.D
 Acq: 16 Aug 2023 12:56

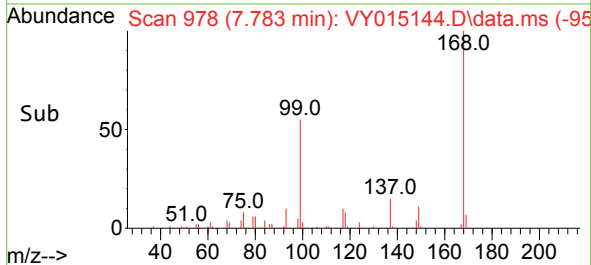
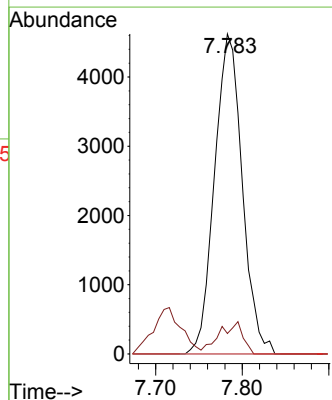
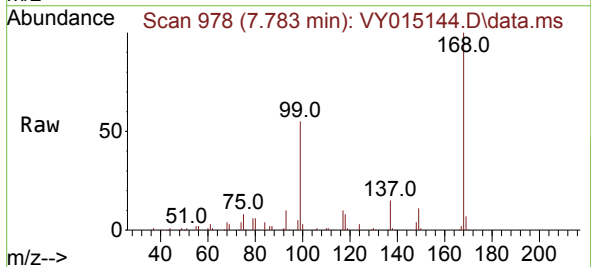
Instrument :
 MSVOA_Y
 ClientSampleId :

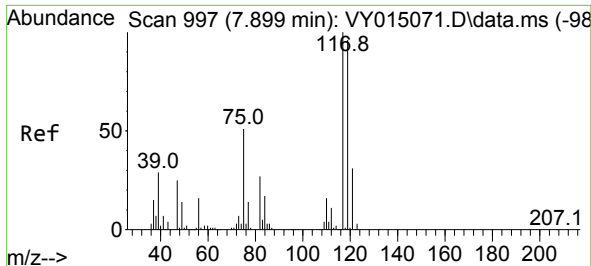
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	19.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 6.184 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015144.D
 Acq: 16 Aug 2023 12:56

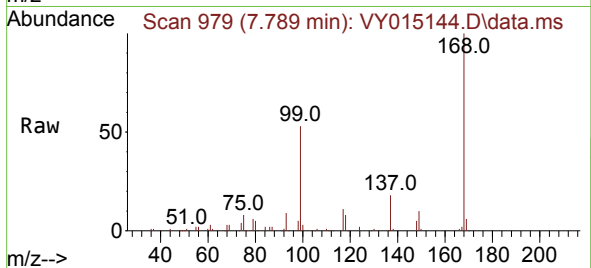
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.5#
77	0.0	24.4	36.6#



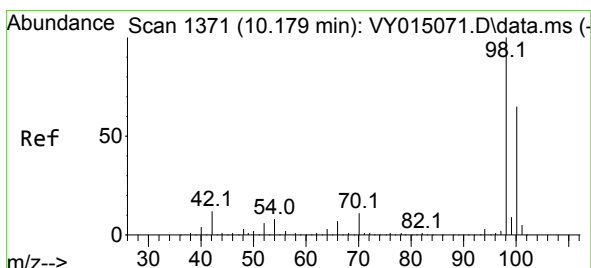
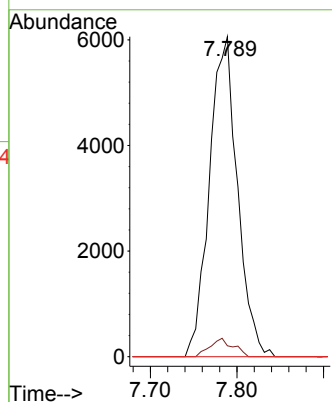
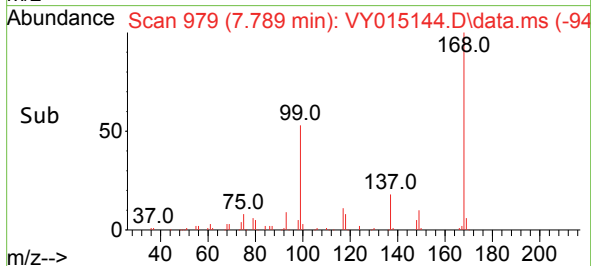


#38
Carbon Tetrachloride
Concen: 6.929 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :

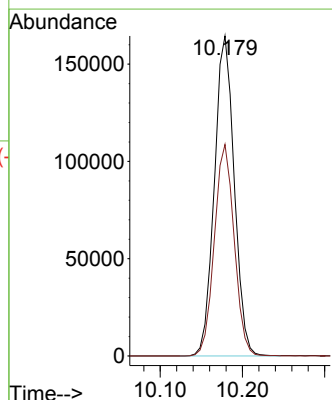
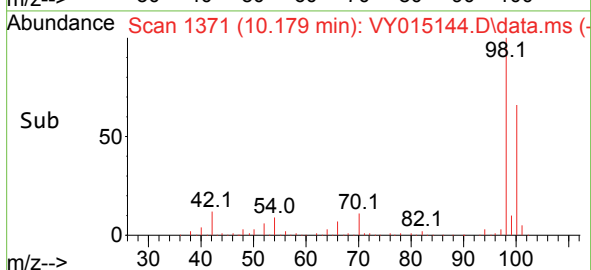
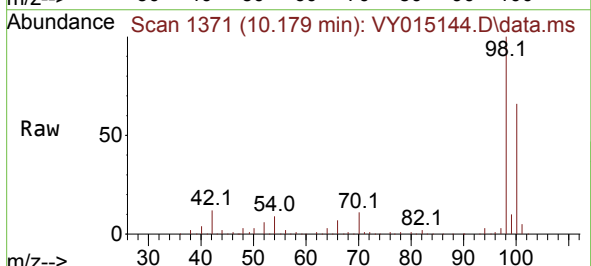


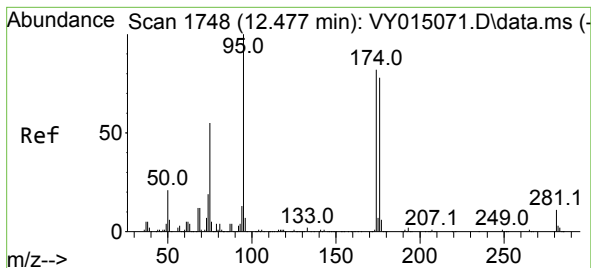
Tgt Ion:117 Resp: 13615
Ion Ratio Lower Upper
117 100
119 3.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.506 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 98 Resp: 276578
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

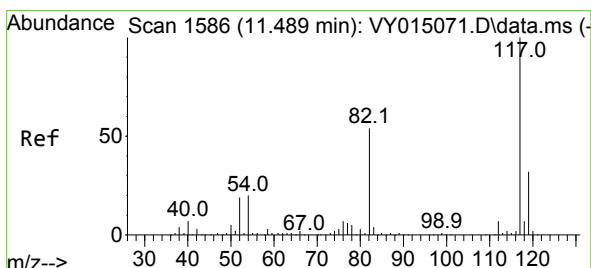
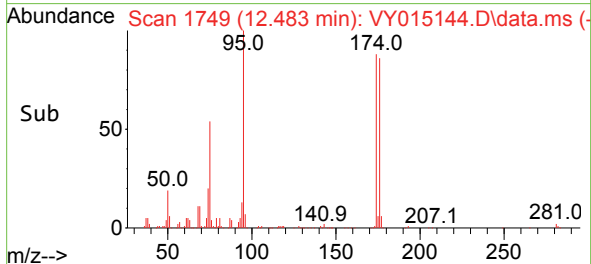
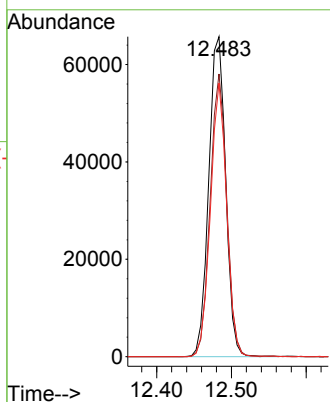
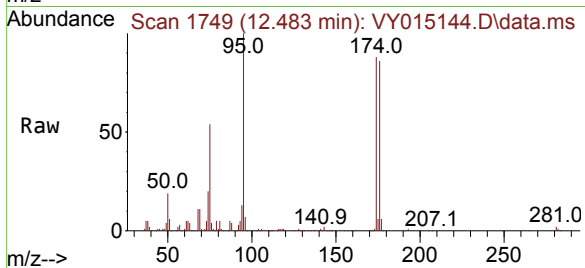




#62
4-Bromofluorobenzene
Concen: 50.654 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

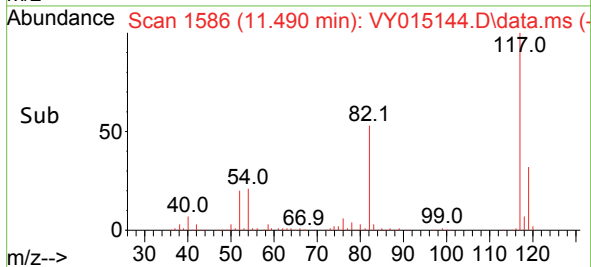
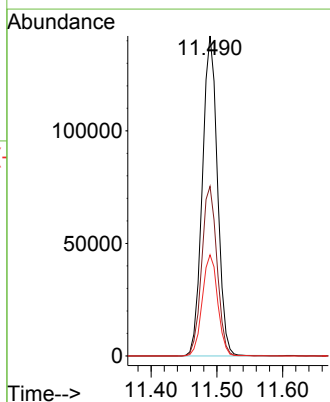
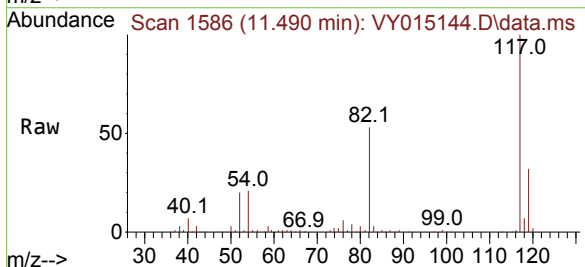
Instrument :
MSVOA_Y
ClientSampleId :

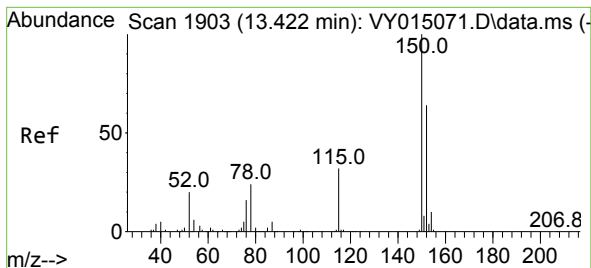
Tgt Ion: 95 Resp: 103362
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015144.D
Acq: 16 Aug 2023 12:56

Tgt Ion: 117 Resp: 227487
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.6 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: VY015144.D

Acq: 16 Aug 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

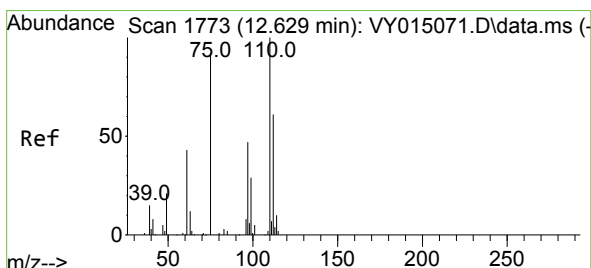
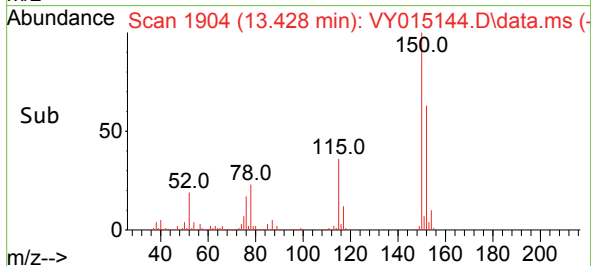
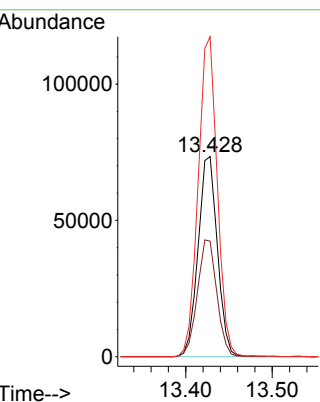
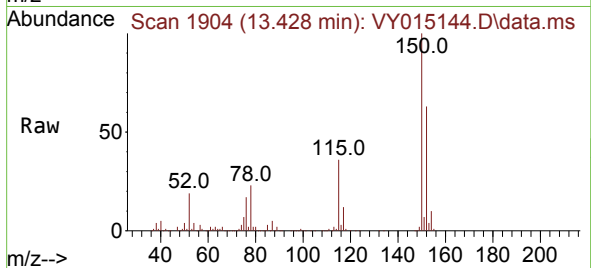
Tgt Ion:152 Resp: 113655

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 158.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.935 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015144.D

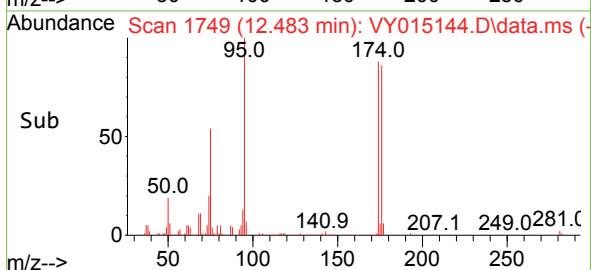
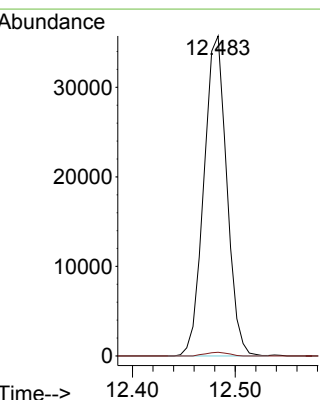
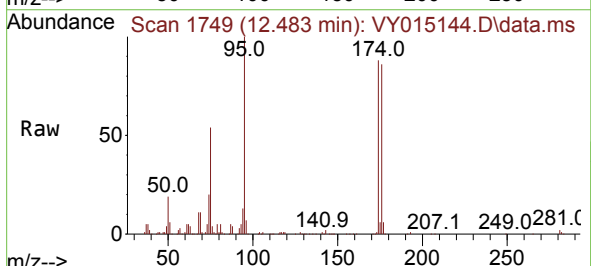
Acq: 16 Aug 2023 12:56

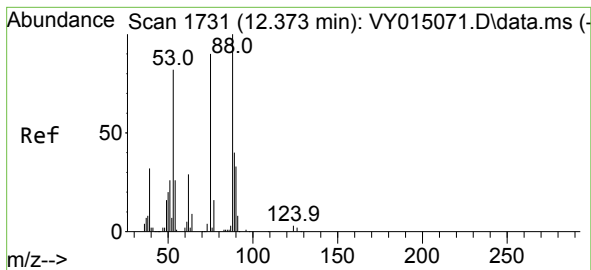
Tgt Ion: 75 Resp: 55143

Ion Ratio Lower Upper

75 100

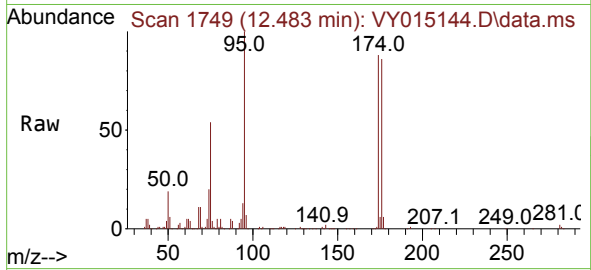
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.716 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015144.D
 Acq: 16 Aug 2023 12:56

Instrument :
 MSVOA_Y
 ClientSampleId :



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

