

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016670.D
 Acq On : 16 Dec 2023 15:39
 Operator : SY/MD
 Sample : 05833-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 00:40:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

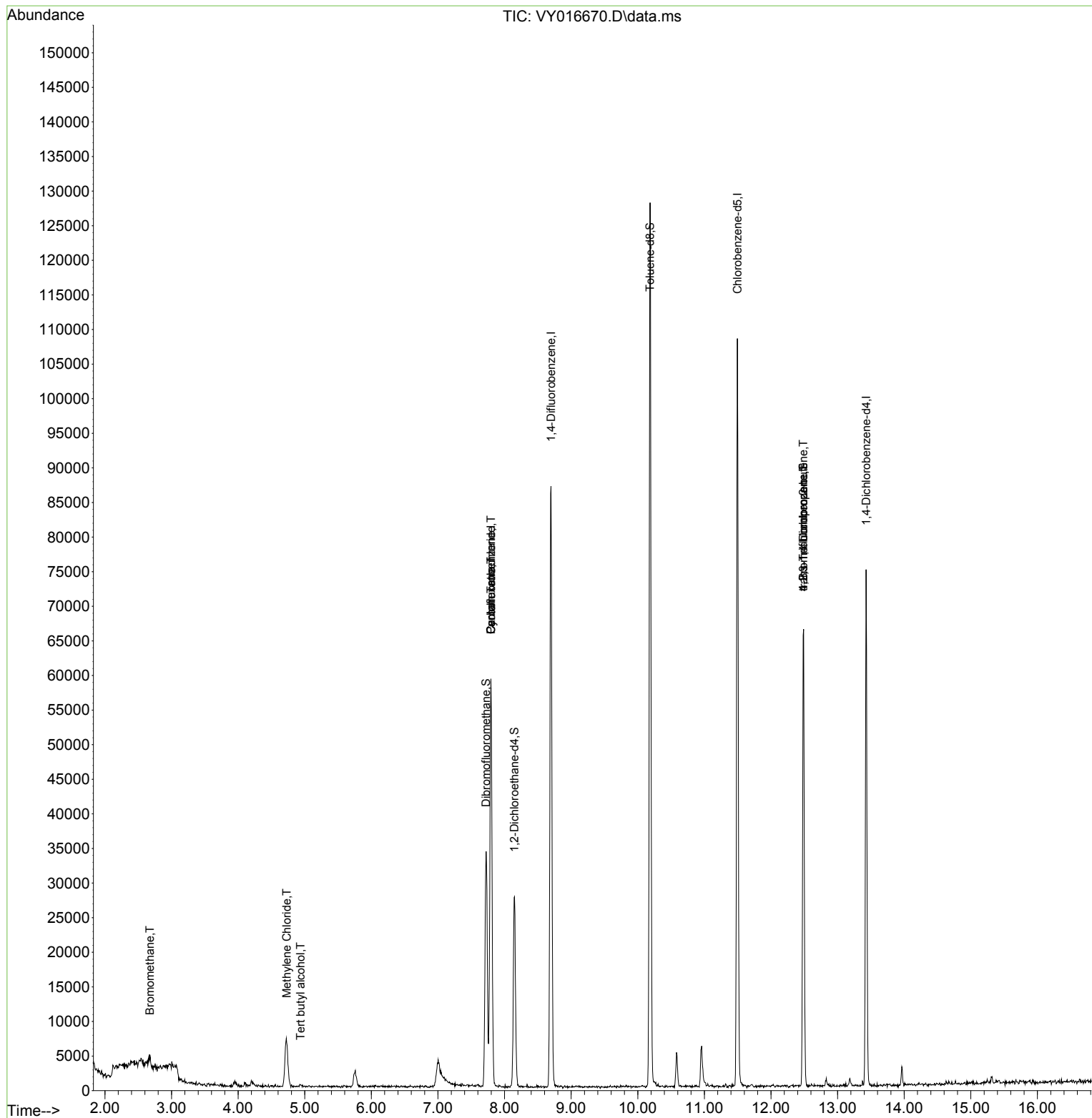
Internal Standards						
1) Pentafluorobenzene	7.795	168	47513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	78540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	63233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21684	55.797	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.600%	
35) Dibromofluoromethane	7.722	113	25074	59.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.040%	
50) Toluene-d8	10.185	98	88417	53.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.200%	
62) 4-Bromofluorobenzene	12.483	95	20272	37.549	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	612	1.291	ug/l	91
11) Tert butyl alcohol	4.936	59	350	11.162	ug/l #	89
16) Acetone	3.960	43	960	Below Cal	#	75
20) Methylene Chloride	4.729	84	5669	7.129	ug/l #	71
25) 2-Butanone	7.009	43	333	Below Cal	#	49
31) Cyclohexane	7.795	56	818	1.066	ug/l #	2
38) Carbon Tetrachloride	7.795	117	4473	6.382	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	10231	57.232	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10231	130.787	ug/l #	10

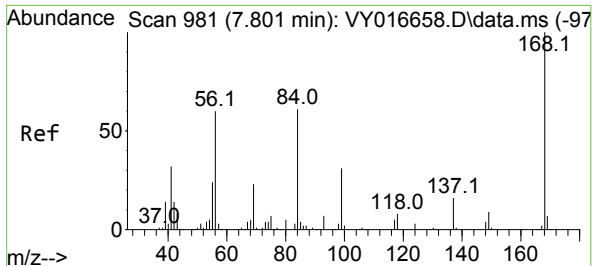
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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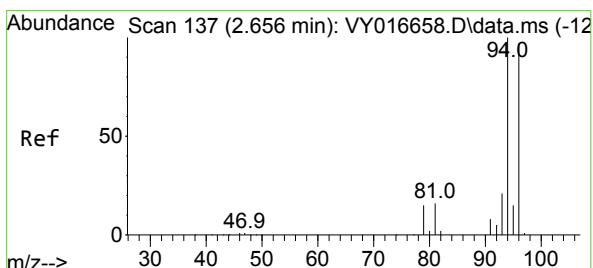
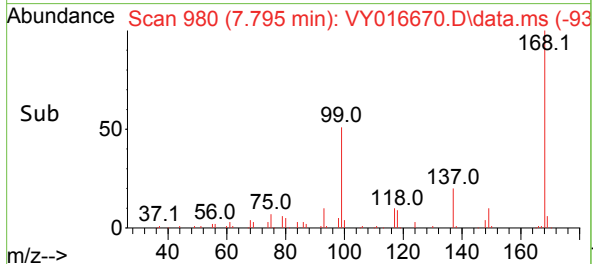
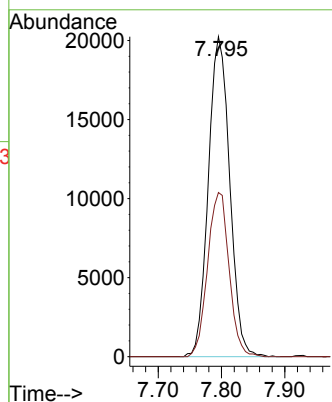
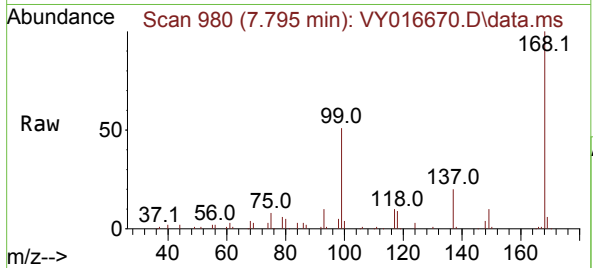




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

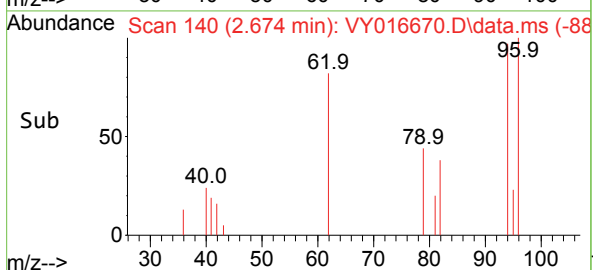
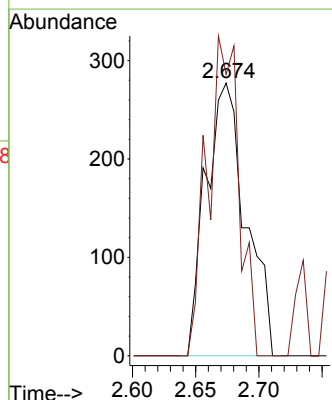
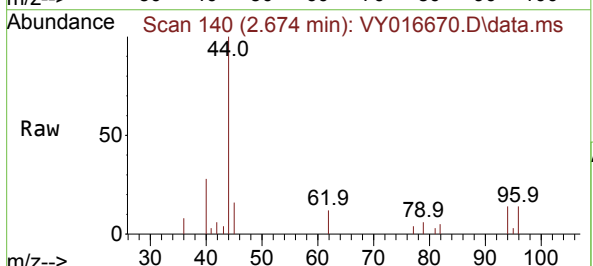
Instrument :
MSVOA_Y
ClientSampleId :

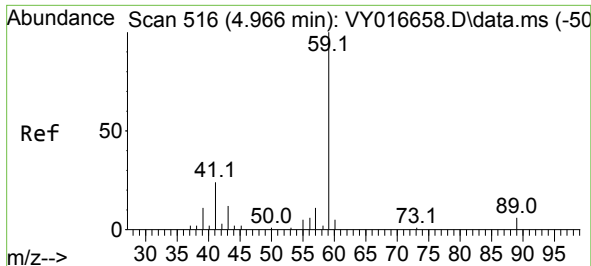
Tgt Ion:168 Resp: 47513
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#5
Bromomethane
Concen: 1.291 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 103.2 75.8 113.6





#11

Tert butyl alcohol

Concen: 11.162 ug/l

RT: 4.936 min Scan# 516

Delta R.T. -0.030 min

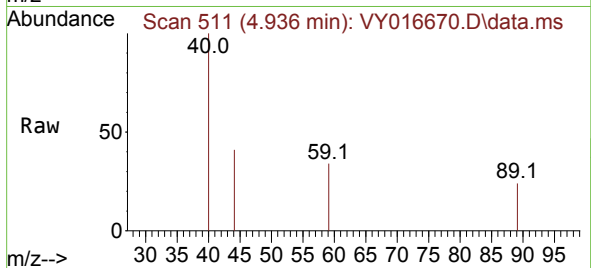
Lab File: VY016670.D

Acq: 16 Dec 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

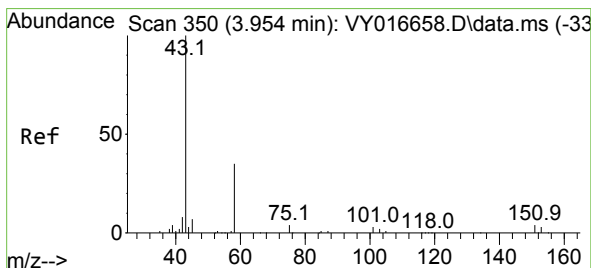
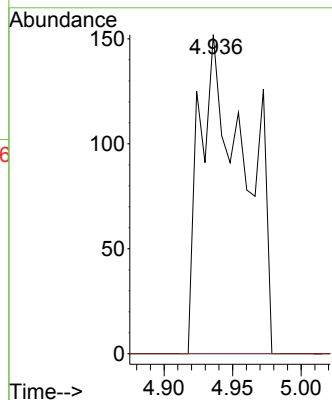
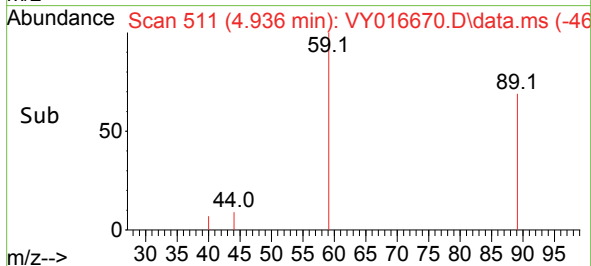


Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: Below Cal

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY016670.D

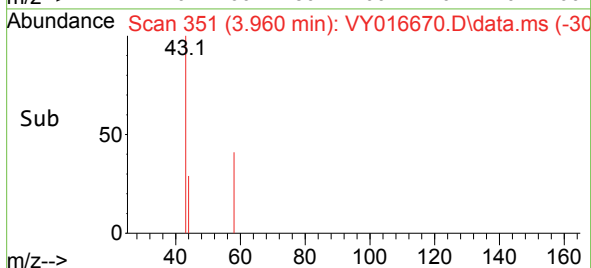
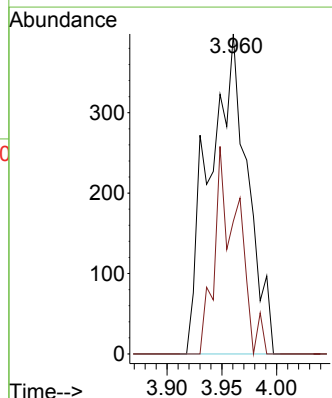
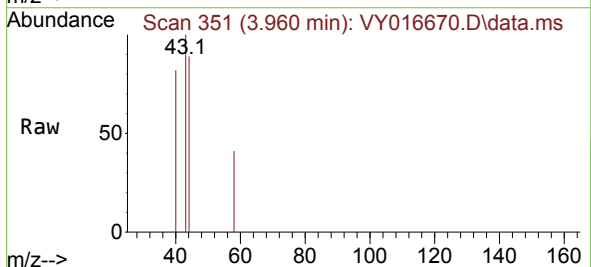
Acq: 16 Dec 2023 15:39

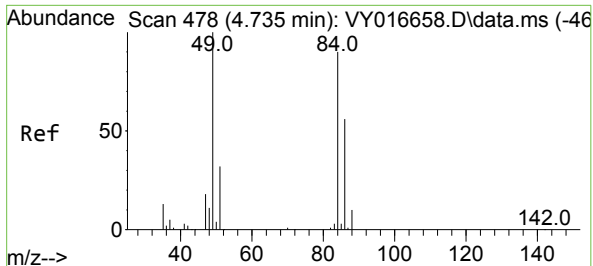
Tgt Ion: 43 Resp: 960

Ion Ratio Lower Upper

43 100

58 41.5 22.7 34.1#





#20

Methylene Chloride

Concen: 7.129 ug/l

RT: 4.729 min Scan# 41

Delta R.T. -0.006 min

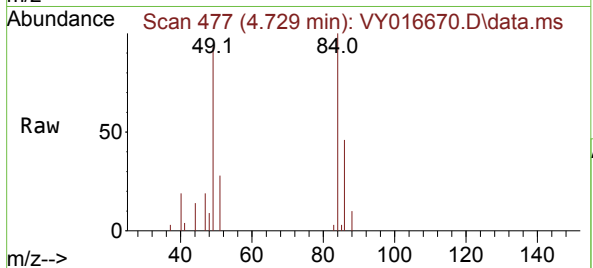
Lab File: VY016670.D

Acq: 16 Dec 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 5669

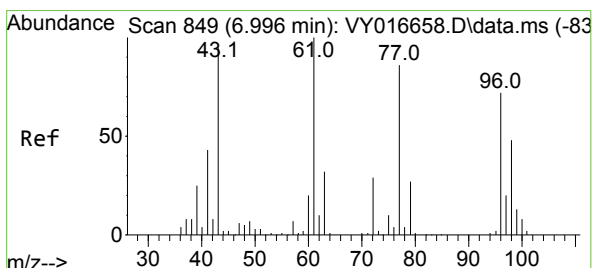
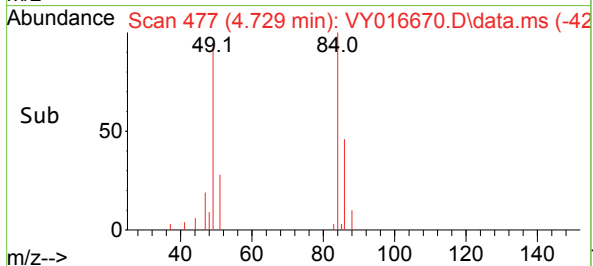
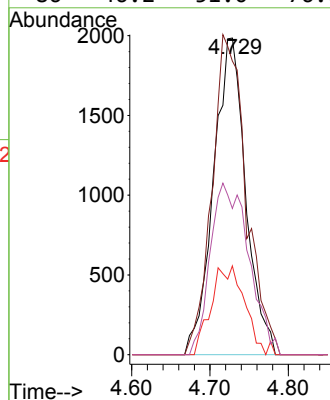
Ion Ratio Lower Upper

84 100

49 92.7 106.9 160.3#

51 28.1 33.2 49.8#

86 46.2 51.0 76.6#



#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY016670.D

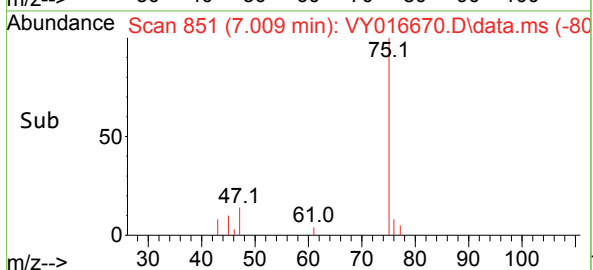
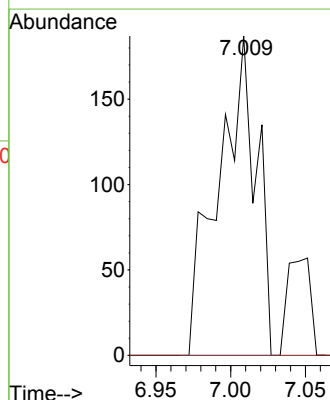
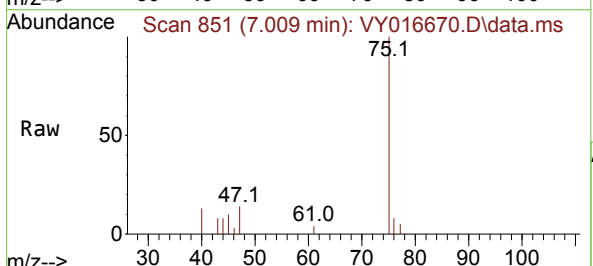
Acq: 16 Dec 2023 15:39

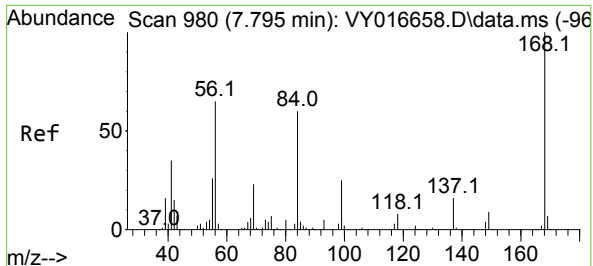
Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

43 100

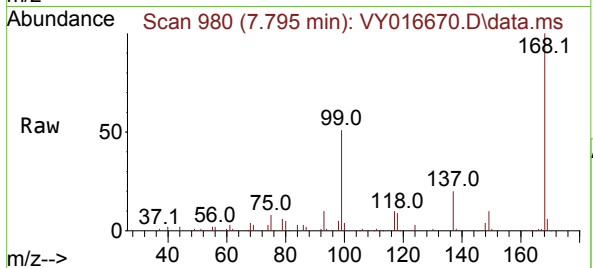
72 0.0 20.5 30.7#



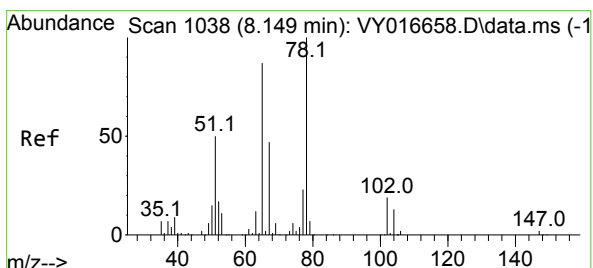
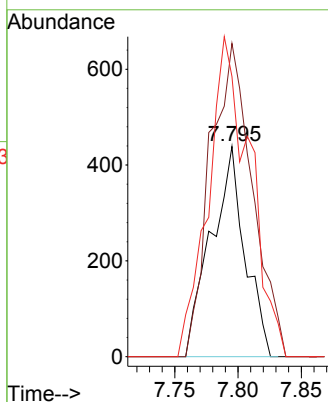
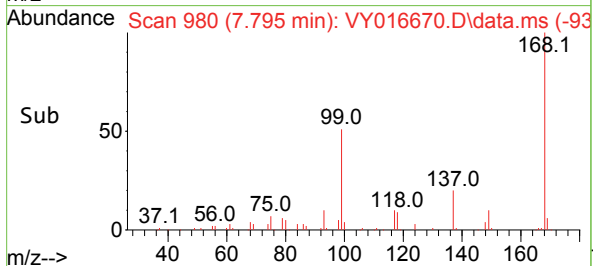


#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

Instrument :
MSVOA_Y
ClientSampleId :

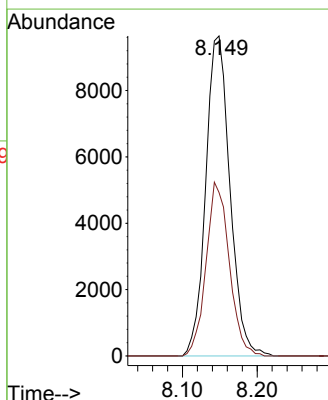
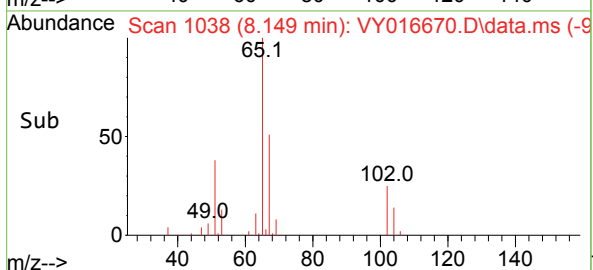
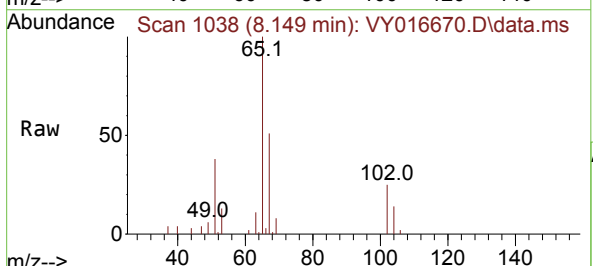


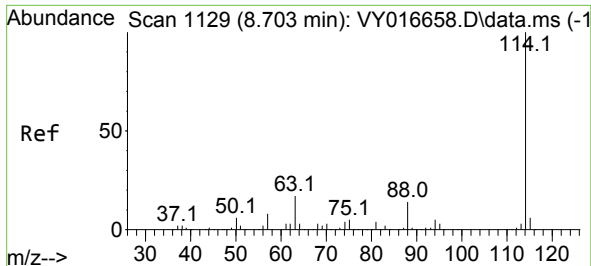
Tgt Ion: 56 Resp: 818
Ion Ratio Lower Upper
56 100
69 149.0 27.8 41.6#
84 133.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.797 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

Tgt Ion: 65 Resp: 21684
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016670.D

Acq: 16 Dec 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

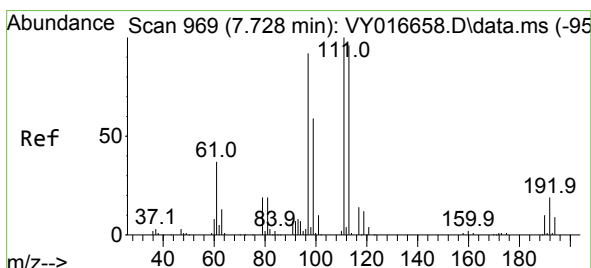
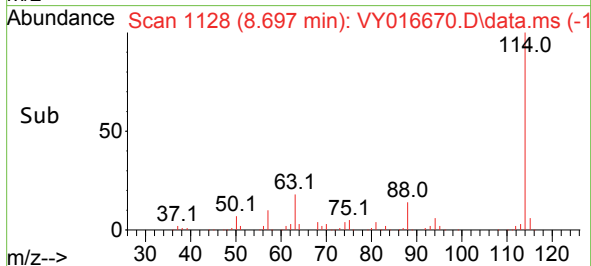
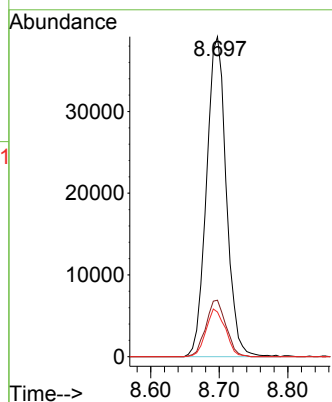
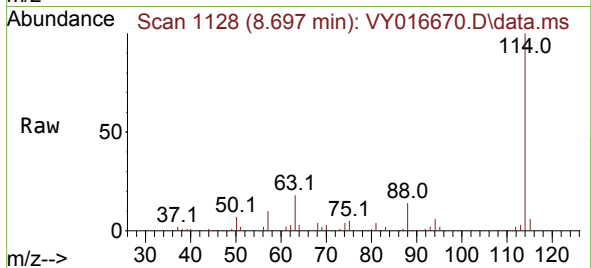
Tgt Ion:114 Resp: 78540

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 59.518 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY016670.D

Acq: 16 Dec 2023 15:39

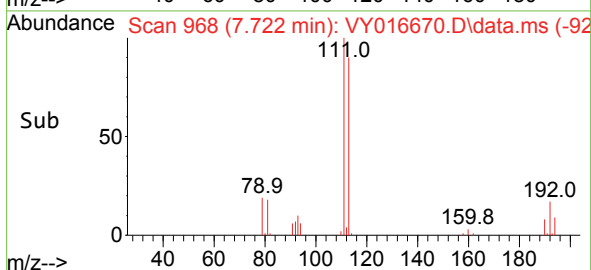
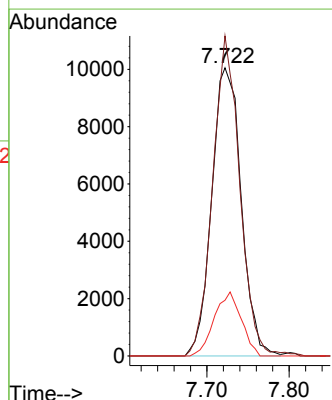
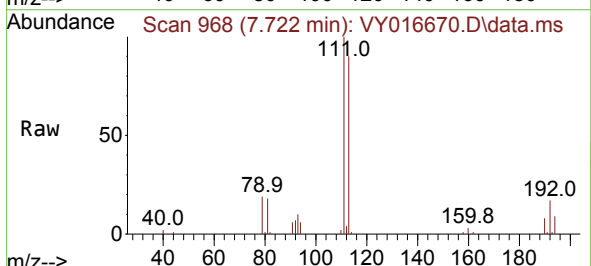
Tgt Ion:113 Resp: 25074

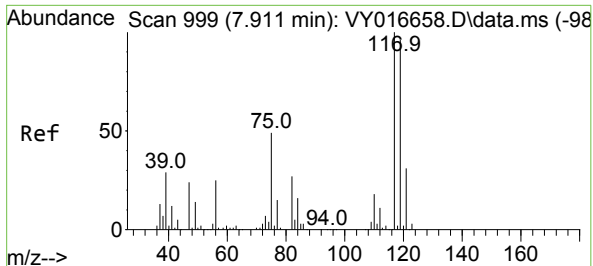
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

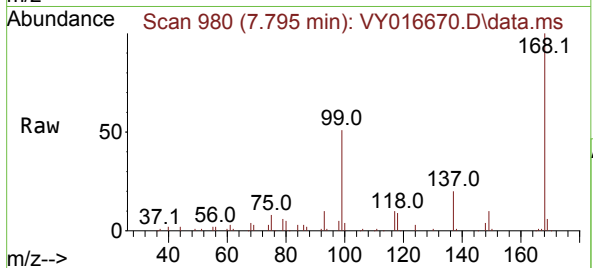
192 20.4 16.9 25.3



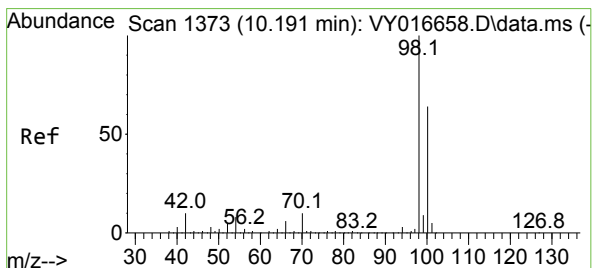
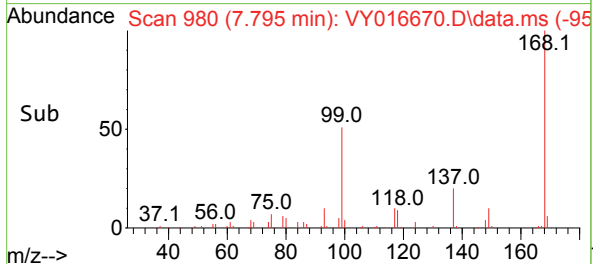
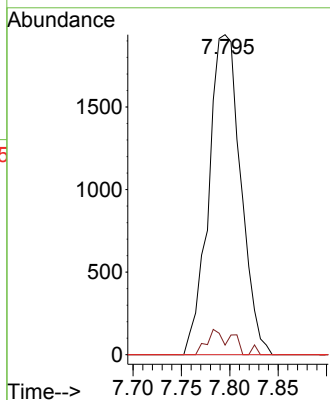


#38
Carbon Tetrachloride
Concen: 6.382 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

Instrument :
MSVOA_Y
ClientSampleId :

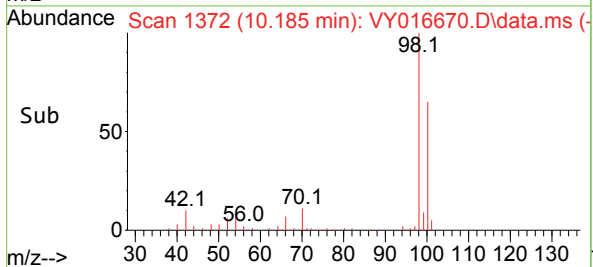
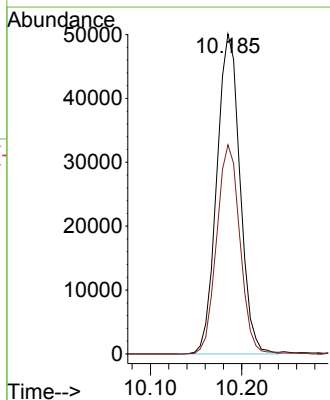
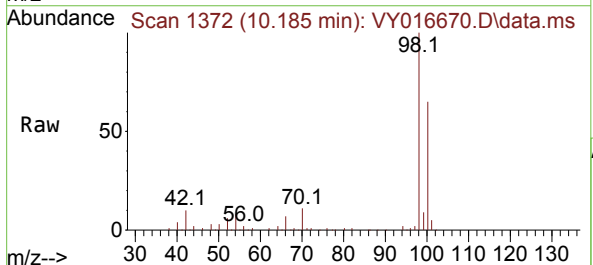


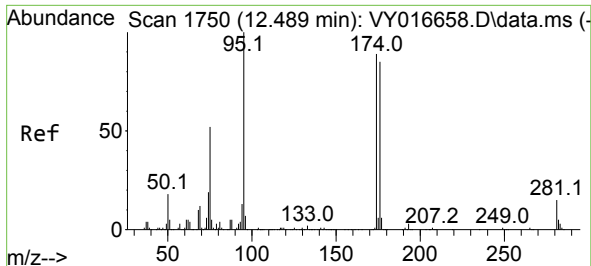
Tgt Ion:117 Resp: 4473
Ion Ratio Lower Upper
117 100
119 3.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 53.098 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

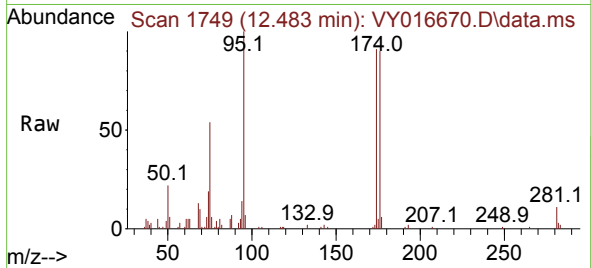
Tgt Ion: 98 Resp: 88417
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



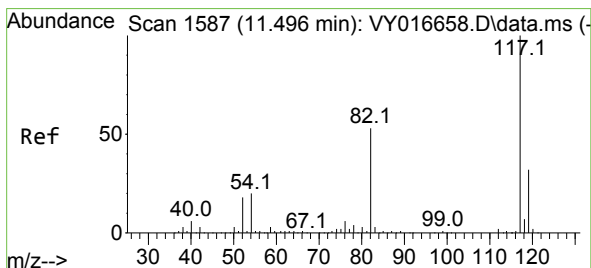
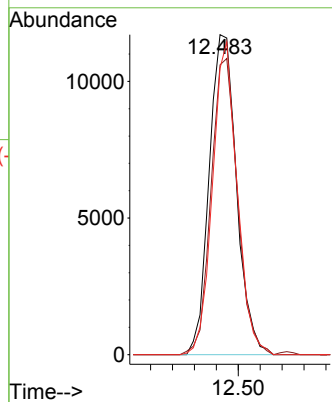
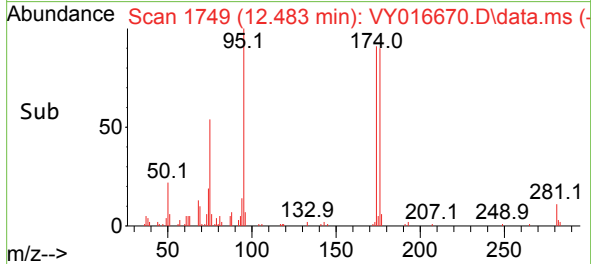


#62
4-Bromofluorobenzene
Concen: 37.549 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39

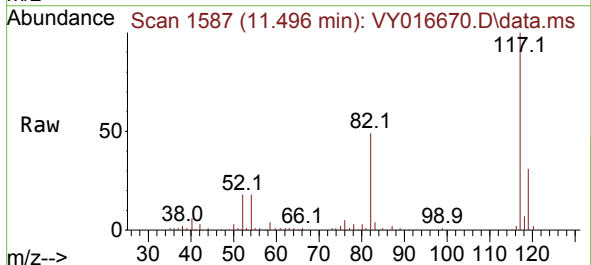
Instrument :
MSVOA_Y
ClientSampleId :



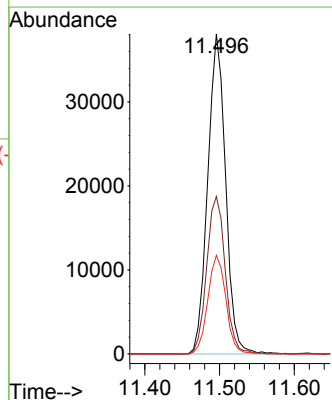
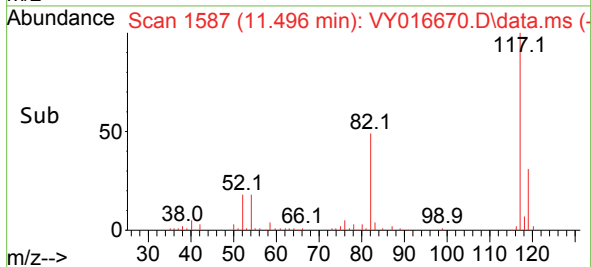
Tgt Ion: 95 Resp: 20272
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.2
176 88.2 0.0 173.8

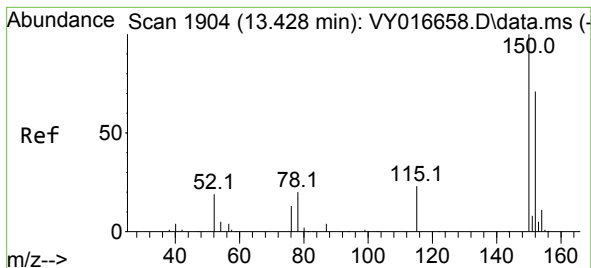


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY016670.D
Acq: 16 Dec 2023 15:39



Tgt Ion: 117 Resp: 63233
Ion Ratio Lower Upper
117 100
82 49.2 43.4 65.0
119 30.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016670.D

Acq: 16 Dec 2023 15:39

Instrument :

MSVOA_Y

ClientSampleId :

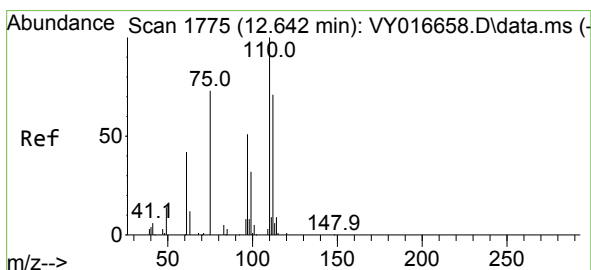
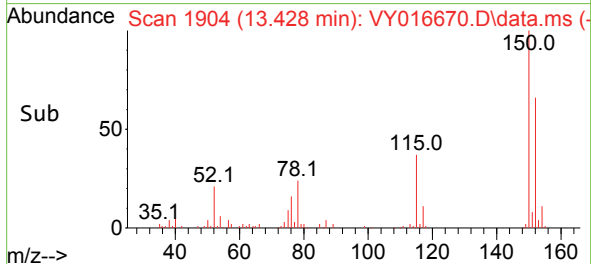
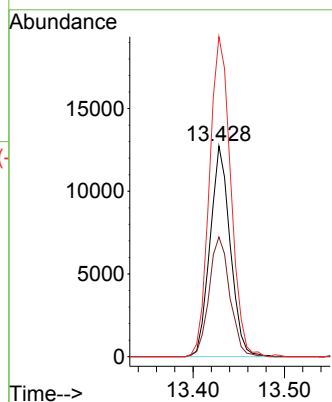
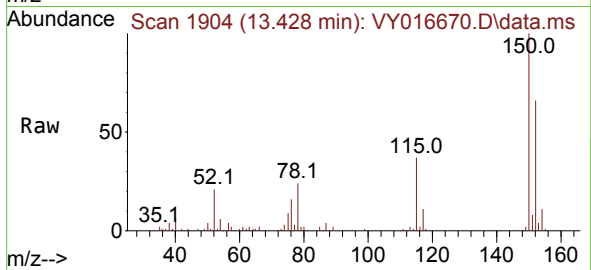
Tgt Ion:152 Resp: 19516

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 160.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 57.232 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY016670.D

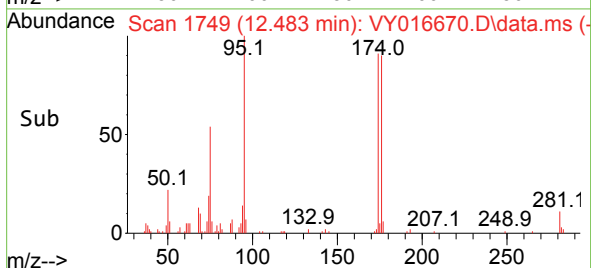
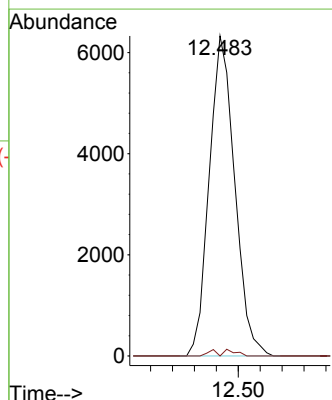
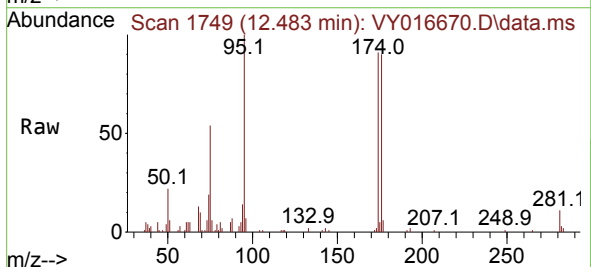
Acq: 16 Dec 2023 15:39

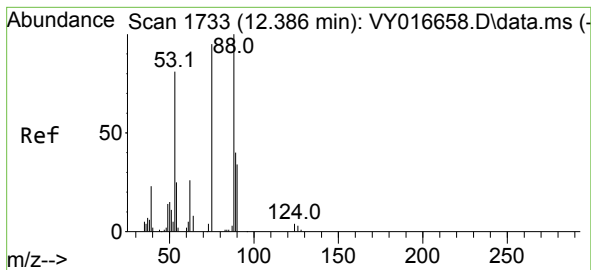
Tgt Ion: 75 Resp: 10231

Ion Ratio Lower Upper

75 100

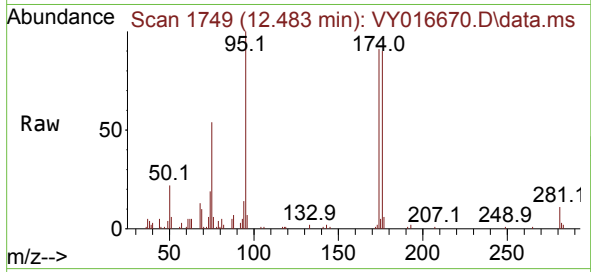
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.787 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY016670.D
 Acq: 16 Dec 2023 15:39

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#

