

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015131.D
 Acq On : 16 Aug 2023 02:53
 Operator : SY/MD
 Sample : 03973-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 04:27:18 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)

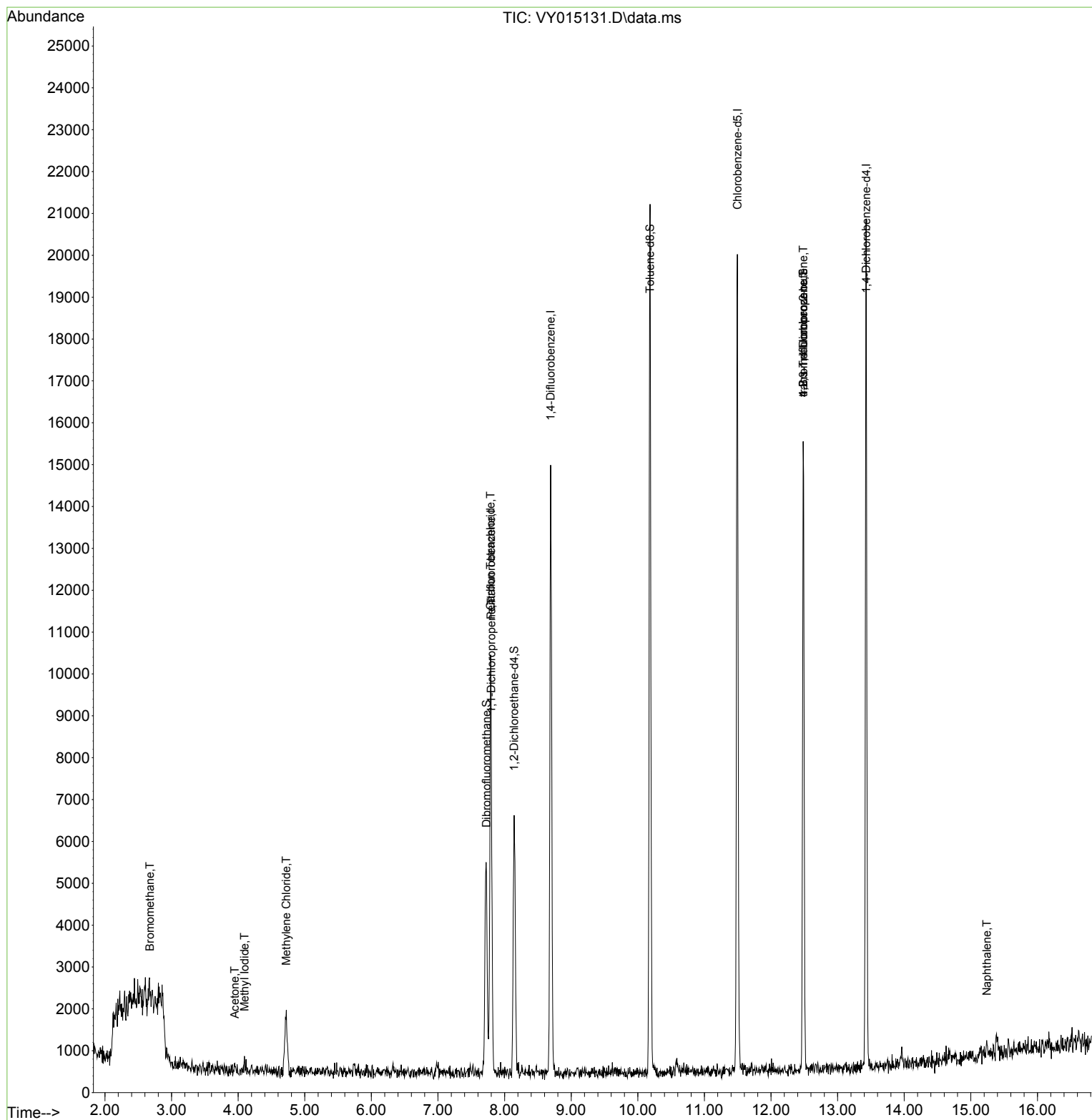
Internal Standards						
1) Pentafluorobenzene	7.795	168	7560	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	12250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	11428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5181	57.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.180%
35) Dibromofluoromethane	7.728	113	3672	46.594	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.180%
50) Toluene-d8	10.185	98	13738	46.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.660%
62) 4-Bromofluorobenzene	12.483	95	4747	44.301	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	139	Below Cal	#	43
5) Bromomethane	2.674	94	137	1.913	ug/l #	69
10) Methyl Iodide	4.095	142	120	1.940	ug/l #	38
16) Acetone	3.948	43	240	8.095	ug/l #	46
20) Methylene Chloride	4.723	84	1061	11.609	ug/l #	83
31) Cyclohexane	7.789	56	71	Below Cal	#	1
36) 1,1-Dichloropropene	7.801	75	729	8.361	ug/l #	45
38) Carbon Tetrachloride	7.789	117	704	6.823	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2671	41.001	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2671	90.059	ug/l #	10
95) Naphthalene	15.239	128	390	1.566	ug/l #	69

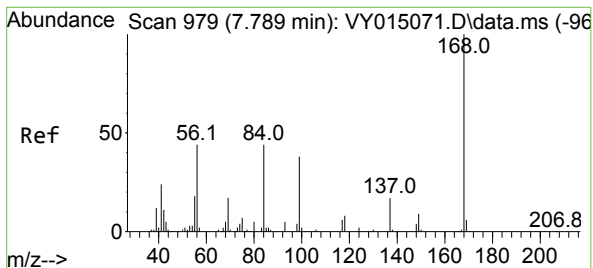
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015131.D

Acq: 16 Aug 2023 02:53

Instrument :

MSVOA_Y

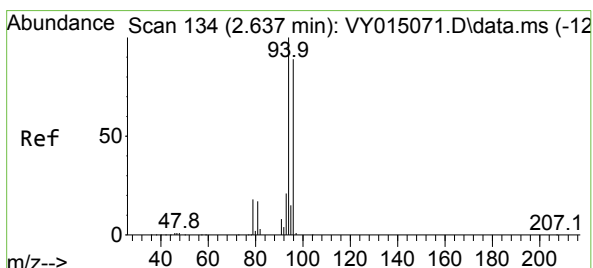
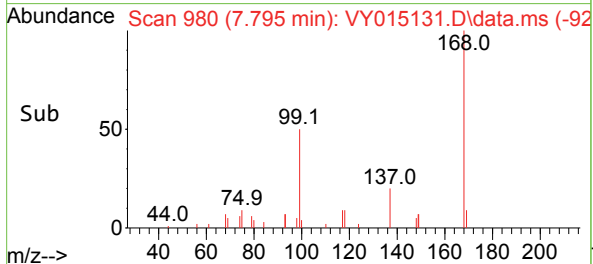
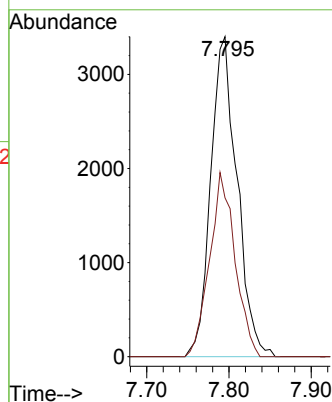
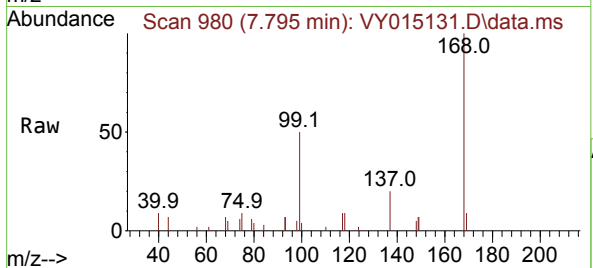
ClientSampleId :

Tgt Ion:168 Resp: 7560

Ion Ratio Lower Upper

168 100

99 49.6 43.4 65.0



#5

Bromomethane

Concen: 1.913 ug/l

RT: 2.674 min Scan# 140

Delta R.T. 0.037 min

Lab File: VY015131.D

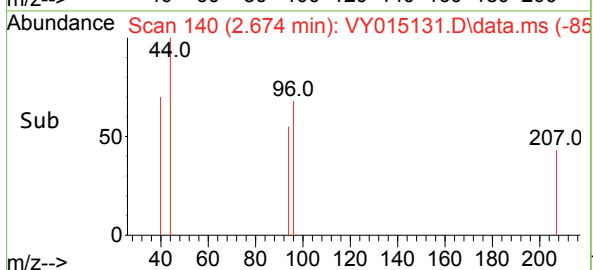
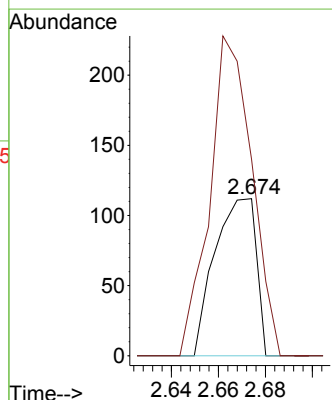
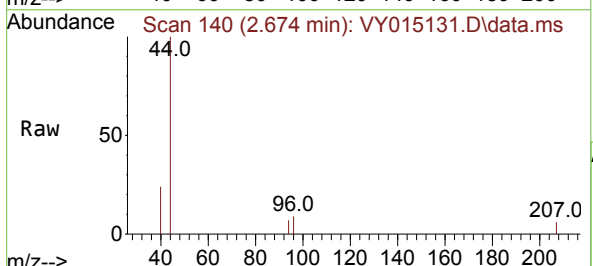
Acq: 16 Aug 2023 02:53

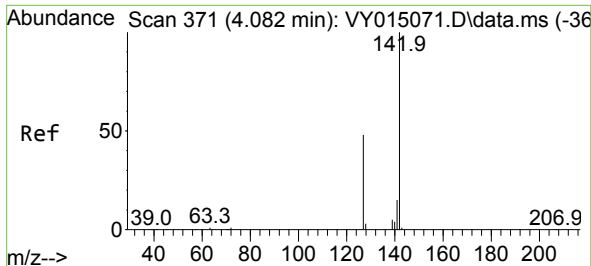
Tgt Ion: 94 Resp: 137

Ion Ratio Lower Upper

94 100

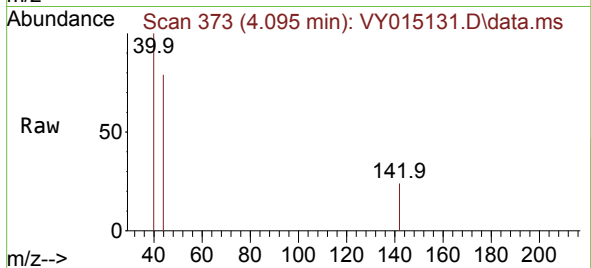
96 125.0 75.8 113.6#



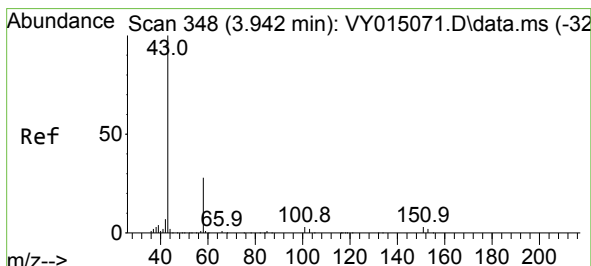
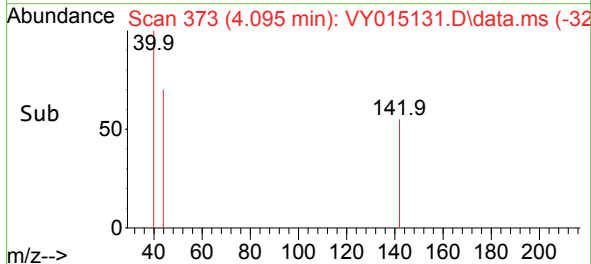
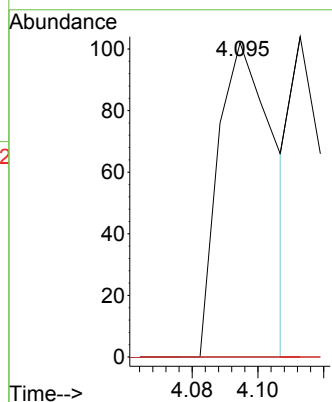


#10
Methyl Iodide
Concen: 1.940 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Instrument :
MSVOA_Y
ClientSampleId :

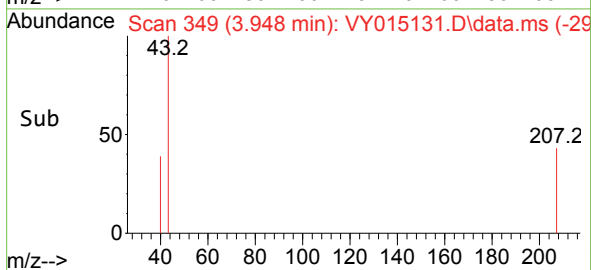
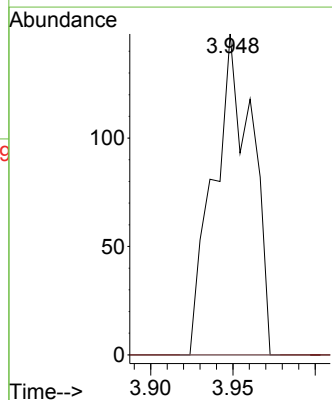
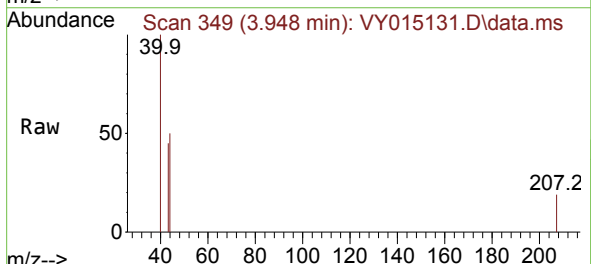


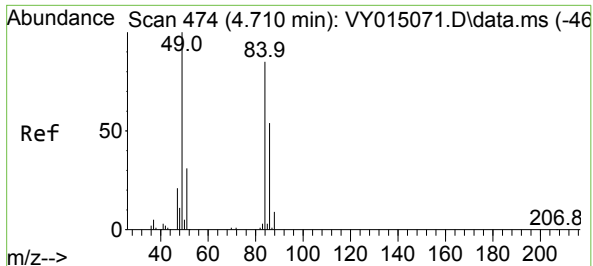
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 8.095 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#





#20

Methylene Chloride

Concen: 11.609 ug/l

RT: 4.723 min Scan# 41

Delta R.T. 0.013 min

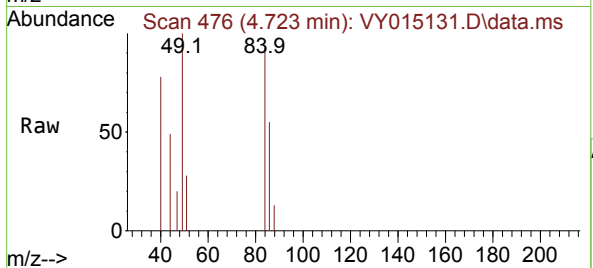
Lab File: VY015131.D

Acq: 16 Aug 2023 02:53

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1061

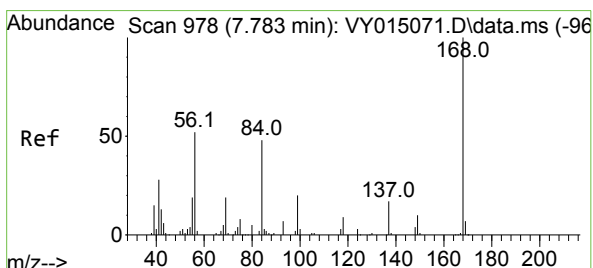
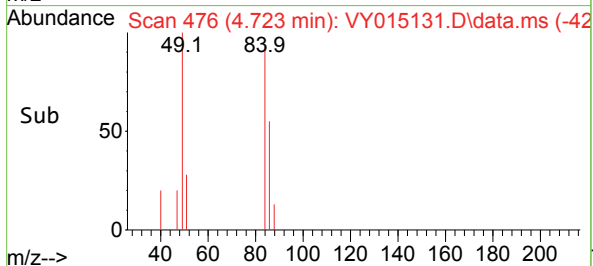
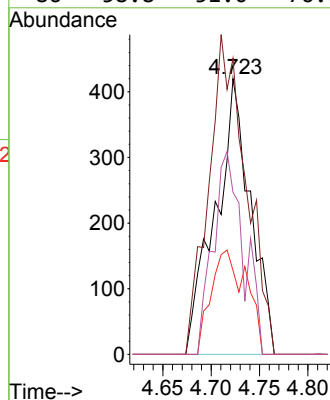
Ion Ratio Lower Upper

84 100

49 107.4 106.9 160.3

51 30.5 33.2 49.8#

86 58.8 51.0 76.6



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY015131.D

Acq: 16 Aug 2023 02:53

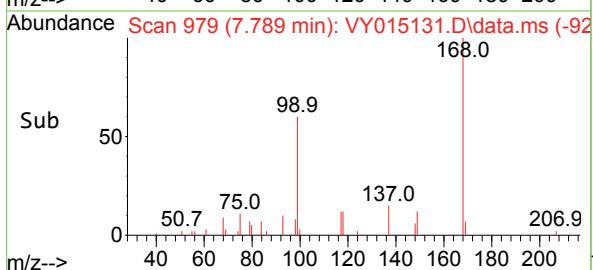
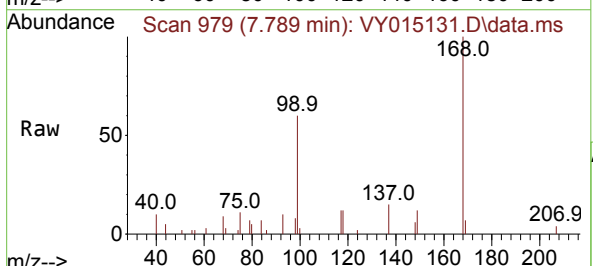
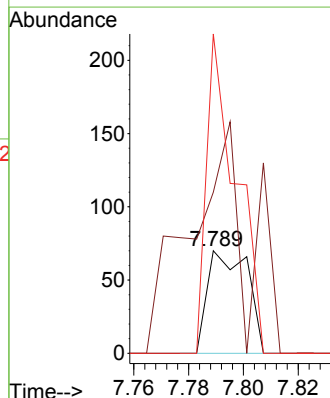
Tgt Ion: 56 Resp: 71

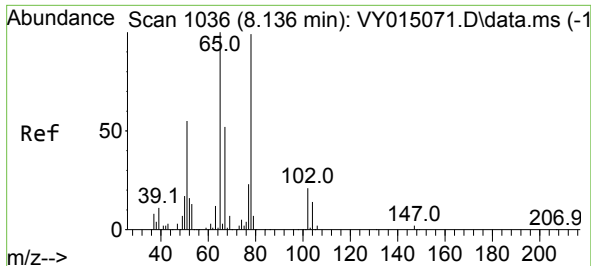
Ion Ratio Lower Upper

56 100

69 157.1 27.8 41.6#

84 311.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.090 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015131.D

Acq: 16 Aug 2023 02:53

Instrument :

MSVOA_Y

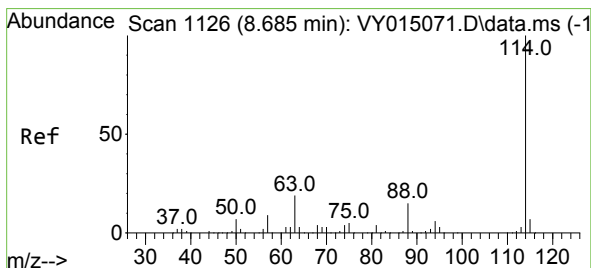
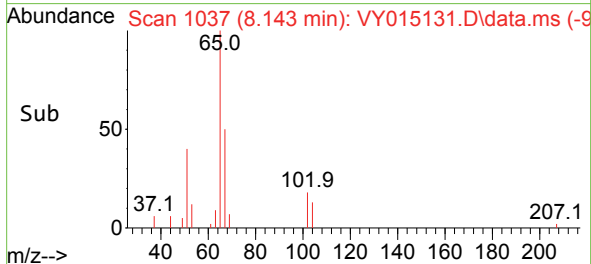
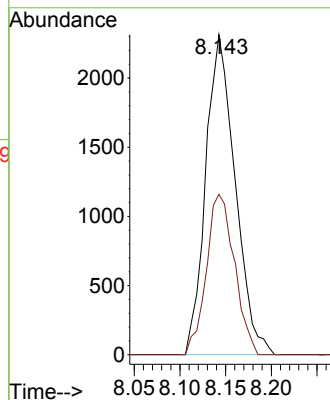
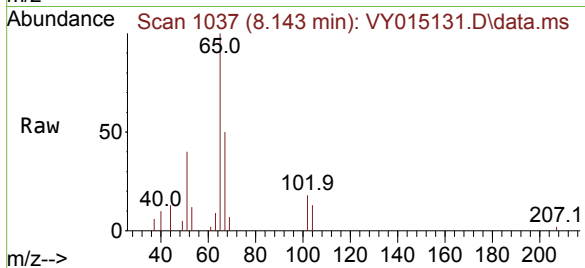
ClientSampleId :

Tgt Ion: 65 Resp: 5181

Ion Ratio Lower Upper

65 100

67 47.8 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: VY015131.D

Acq: 16 Aug 2023 02:53

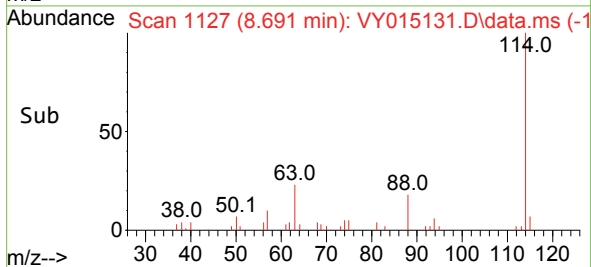
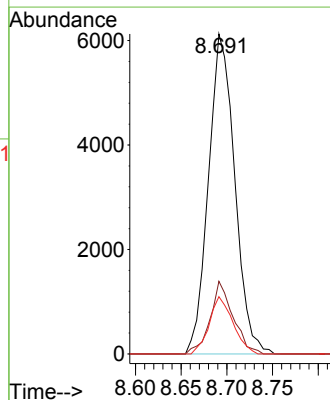
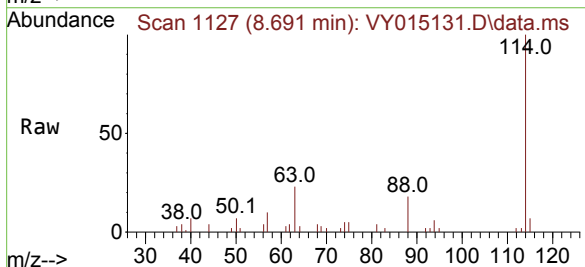
Tgt Ion: 114 Resp: 12250

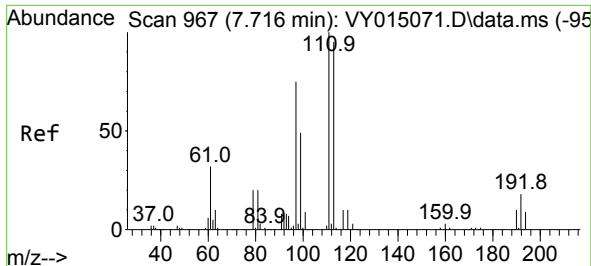
Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.4

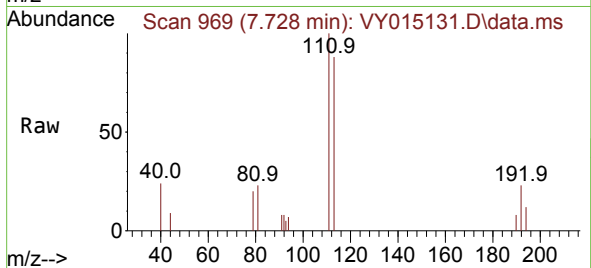
88 17.9 0.0 30.6



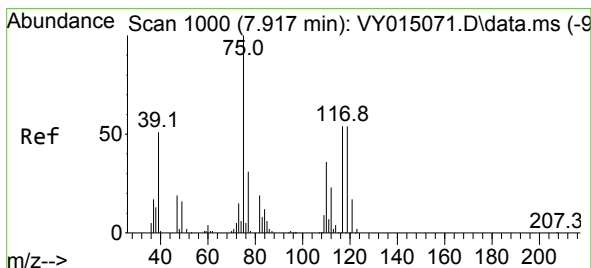
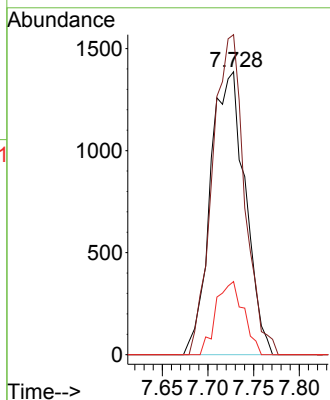
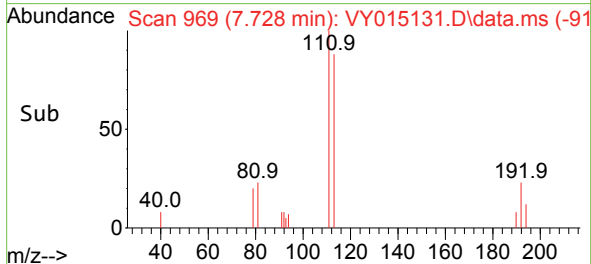


#35
Dibromofluoromethane
Concen: 46.594 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

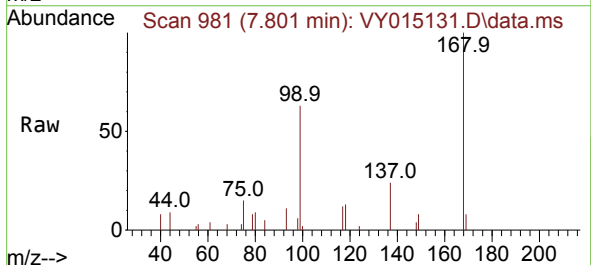
Instrument :
MSVOA_Y
ClientSampleId :



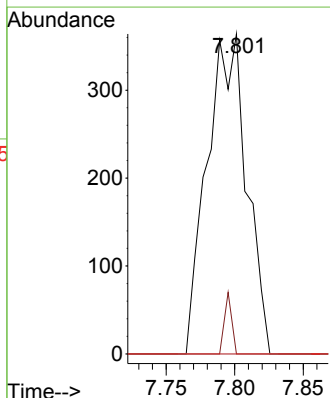
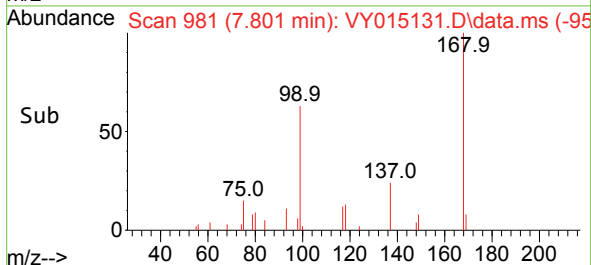
Tgt Ion:113 Resp: 3672
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 20.5 16.9 25.3

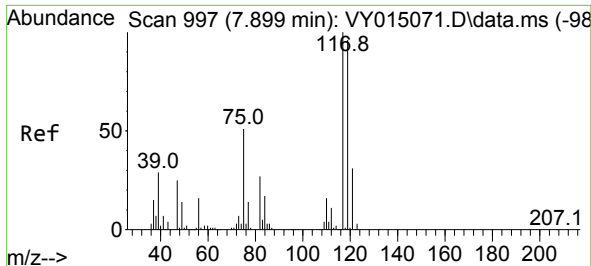


#36
1,1-Dichloropropene
Concen: 8.361 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53



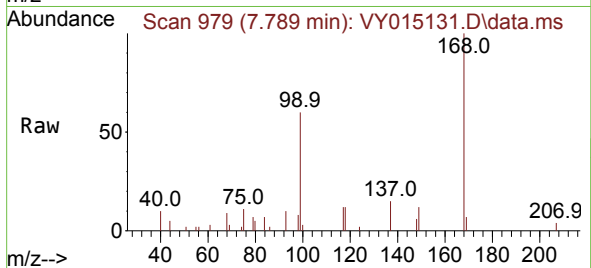
Tgt Ion: 75 Resp: 729
Ion Ratio Lower Upper
75 100
110 3.6 17.8 53.5#
77 0.0 24.4 36.6#



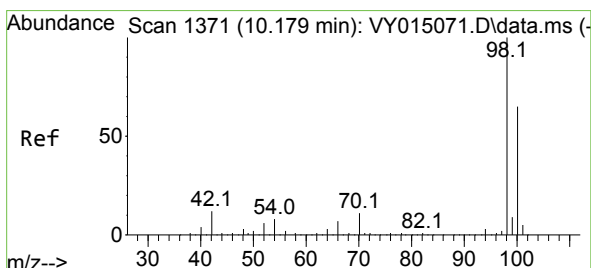
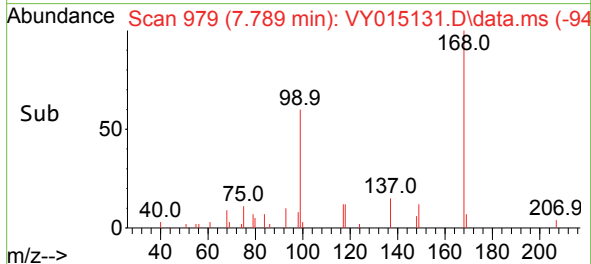
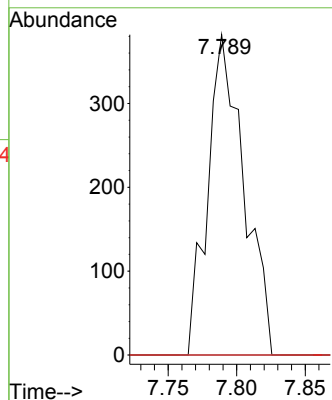


#38
Carbon Tetrachloride
Concen: 6.823 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Instrument :
MSVOA_Y
ClientSampleId :

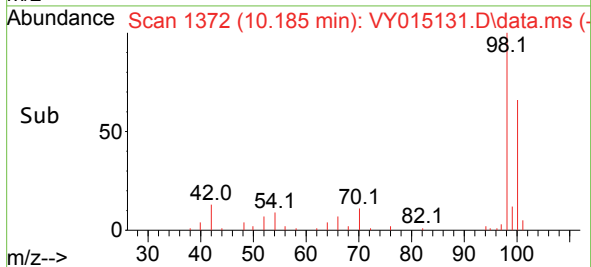
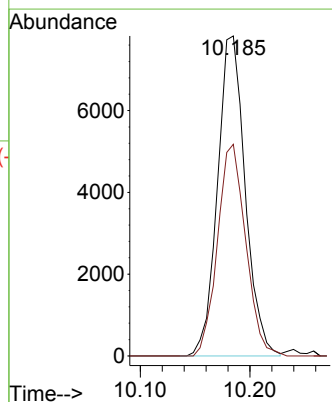
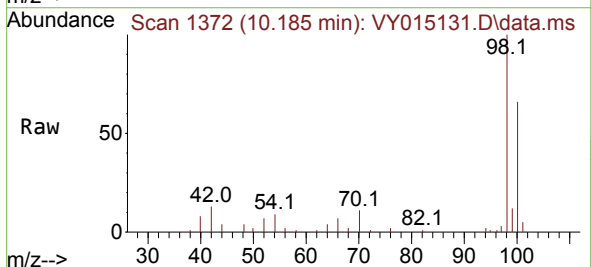


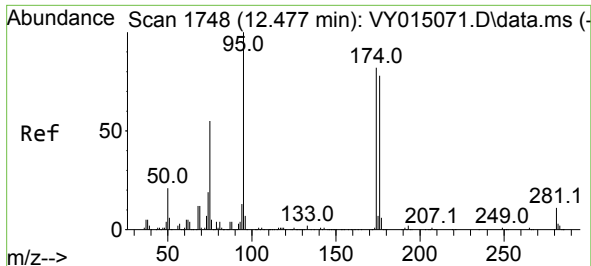
Tgt Ion:117 Resp: 704
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.828 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Tgt Ion: 98 Resp: 13738
Ion Ratio Lower Upper
98 100
100 67.4 50.1 75.1

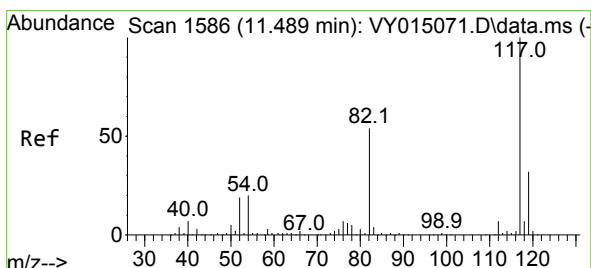
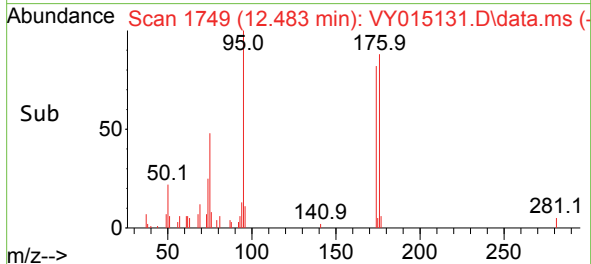
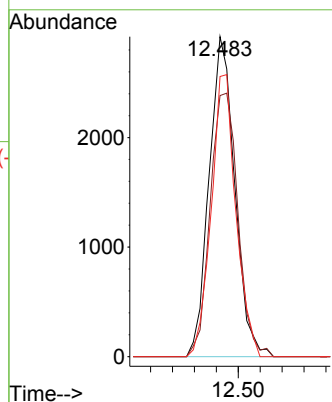
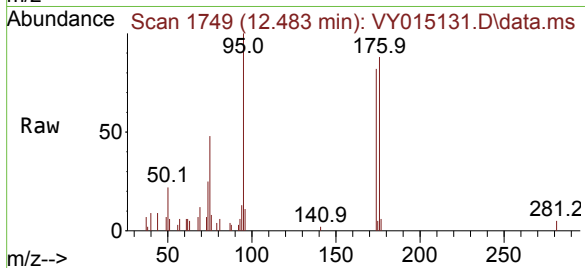




#62
4-Bromofluorobenzene
Concen: 44.301 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

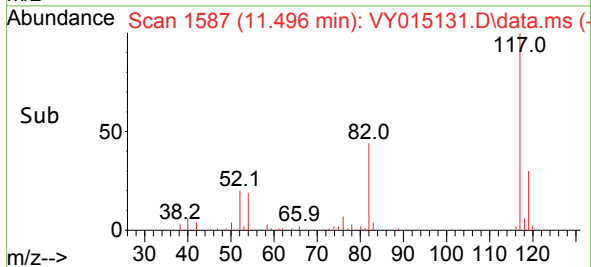
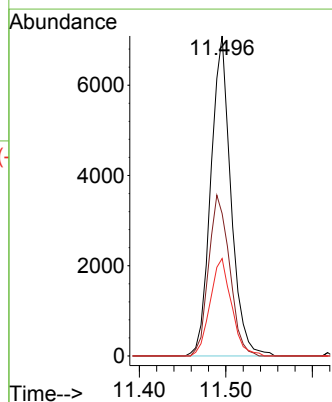
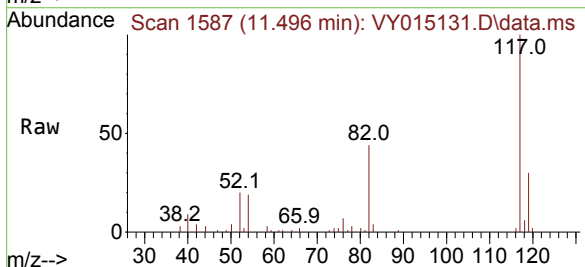
Instrument :
MSVOA_Y
ClientSampleId :

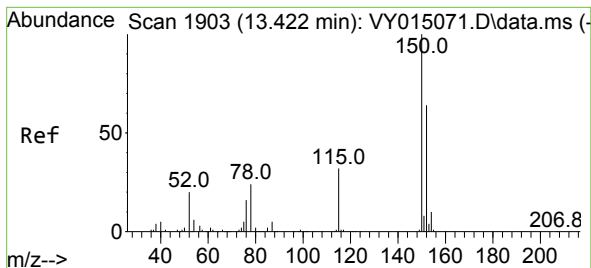
Tgt Ion: 95 Resp: 4747
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.2
176 84.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Tgt Ion: 117 Resp: 11428
Ion Ratio Lower Upper
117 100
82 44.5 43.4 65.0
119 30.5 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: VY015131.D

Acq: 16 Aug 2023 02:53

Instrument :

MSVOA_Y

ClientSampleId :

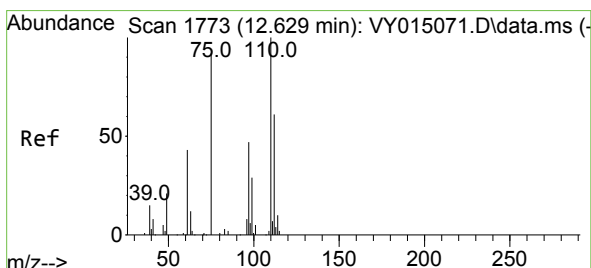
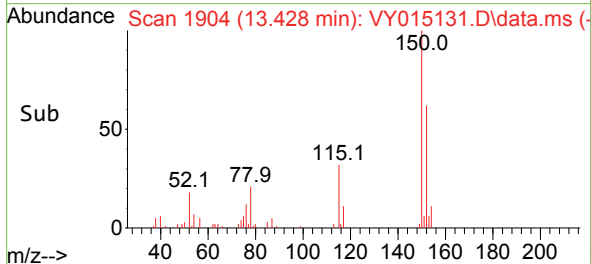
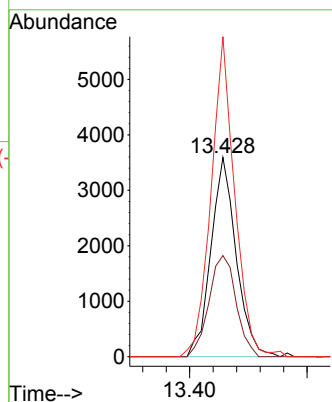
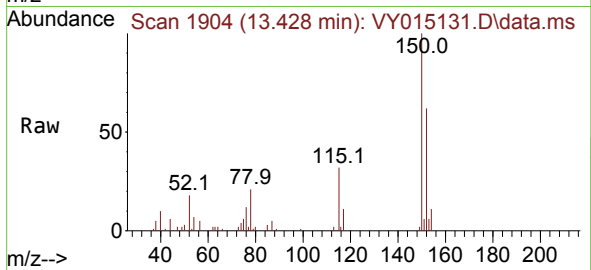
Tgt Ion:152 Resp: 5362

Ion Ratio Lower Upper

152 100

115 54.6 28.8 86.5

150 150.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.001 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015131.D

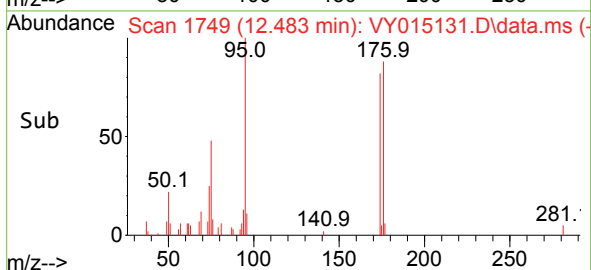
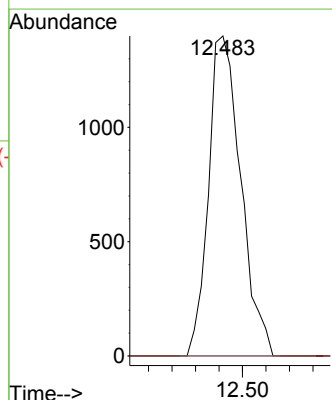
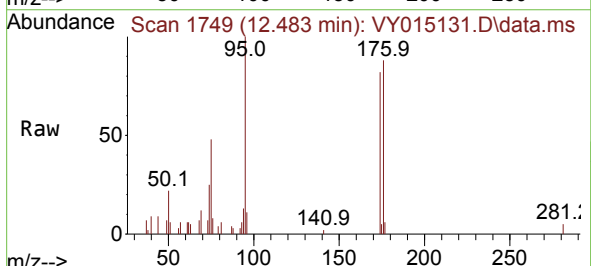
Acq: 16 Aug 2023 02:53

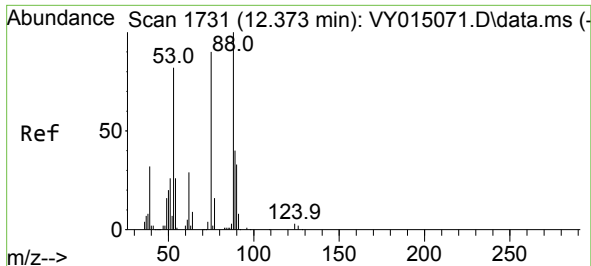
Tgt Ion: 75 Resp: 2671

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

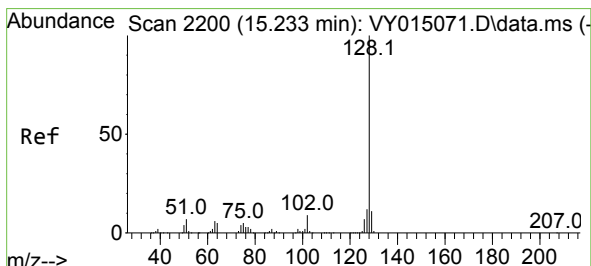
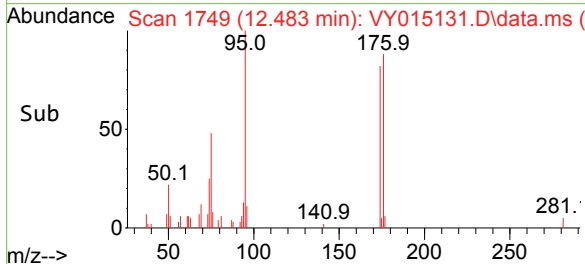
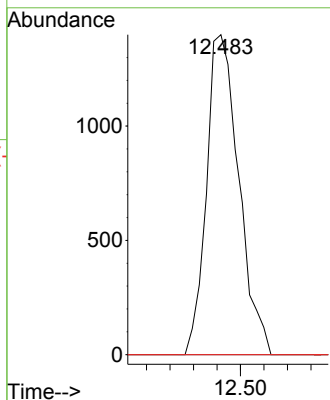
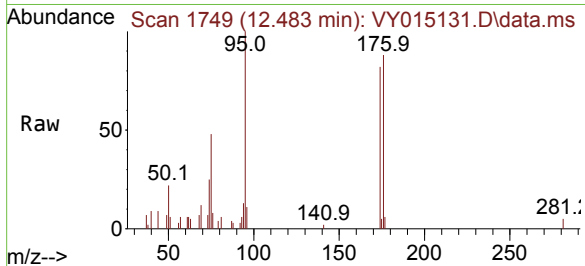




#81
trans-1,4-Dichloro-2-butene
Concen: 90.059 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2671
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.566 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015131.D
Acq: 16 Aug 2023 02:53

Tgt Ion:128 Resp: 390
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

