

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016600.D
 Acq On : 05 Dec 2023 16:43
 Operator : SY/MD
 Sample : 05599-07
 Misc : 4.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 02:26:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	134482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	221557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	214782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103604	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	85215	68.557	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.120%
35) Dibromofluoromethane	7.740	113	70632	52.974	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.940%
50) Toluene-d8	10.197	98	252914	50.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.300%
62) 4-Bromofluorobenzene	12.489	95	91652	55.261	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.520%

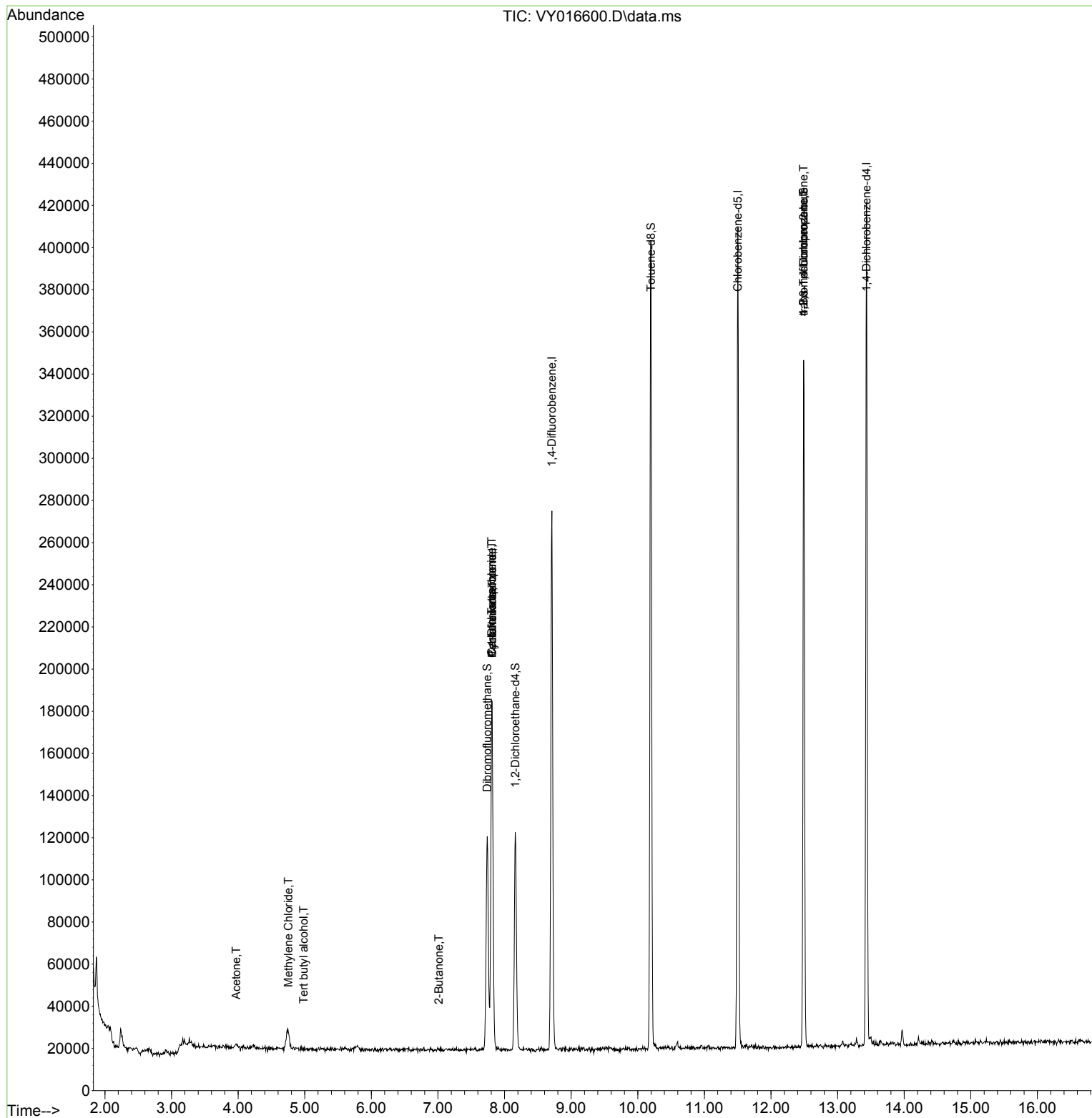
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.985	59	392	4.629	ug/l	# 89
16) Acetone	3.973	43	2511	8.927	ug/l	100
20) Methylene Chloride	4.753	84	7644	2.998	ug/l	# 79
25) 2-Butanone	7.015	43	486	1.257	ug/l	# 49
31) Cyclohexane	7.813	56	2557	1.205	ug/l	# 24
36) 1,1-Dichloropropene	7.807	75	8705	4.295	ug/l	# 51
38) Carbon Tetrachloride	7.807	117	12449	5.306	ug/l	# 15
76) 1,2,3-Trichloropropane	12.489	75	49121	52.486	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	49121	118.399	ug/l	# 11
95) Naphthalene	15.245	128	836	Below Cal		# 73

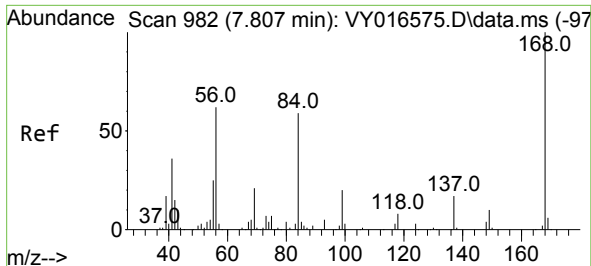
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

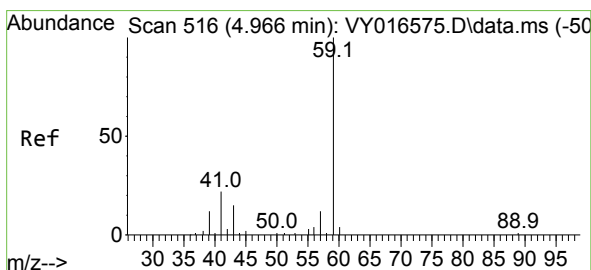
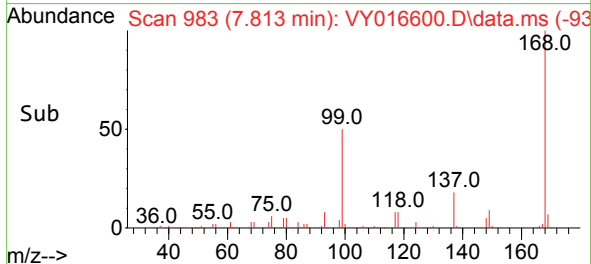
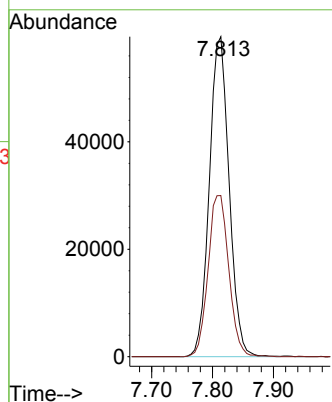
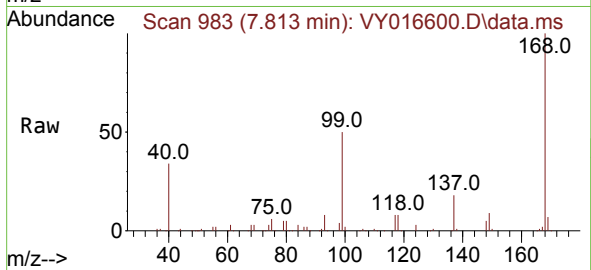




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

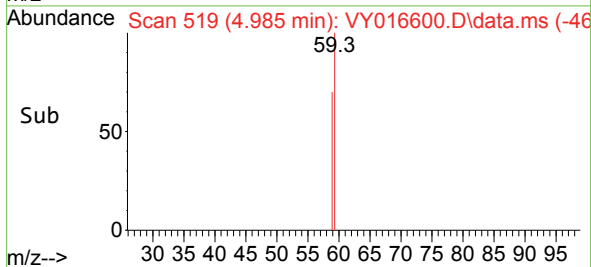
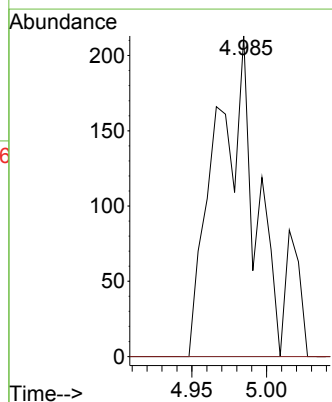
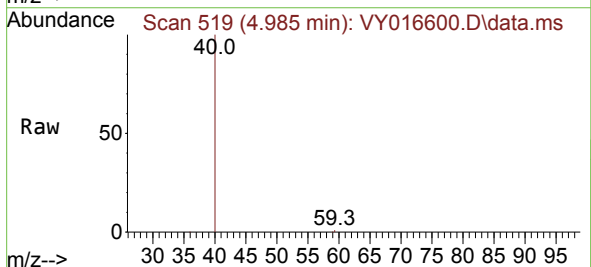
Instrument :
MSVOA_Y
ClientSampleId :

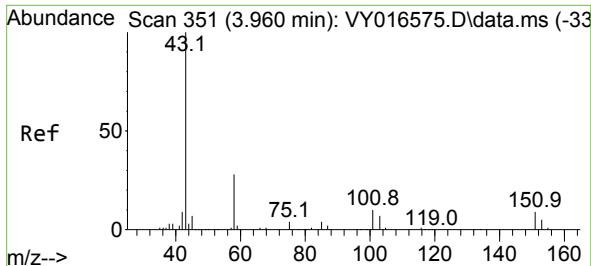
Tgt Ion:168 Resp: 134482
Ion Ratio Lower Upper
168 100
99 50.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.629 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

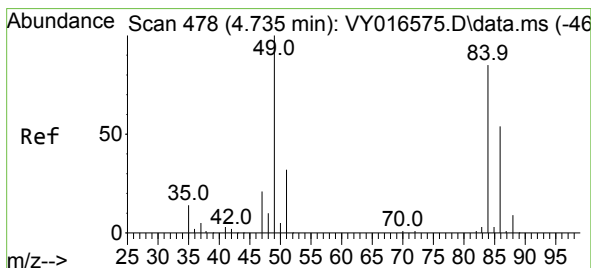
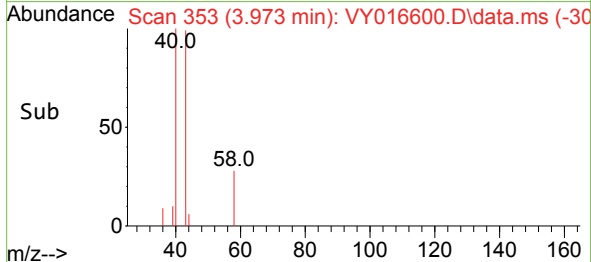
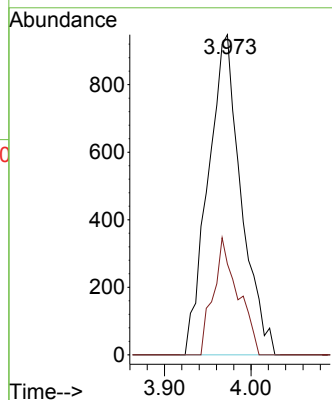
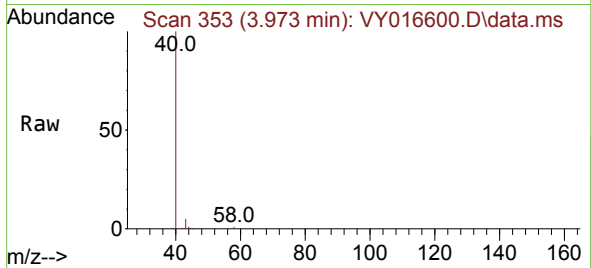




#16
Acetone
Concen: 8.927 ug/l
RT: 3.973 min Scan# 311
Delta R.T. 0.013 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

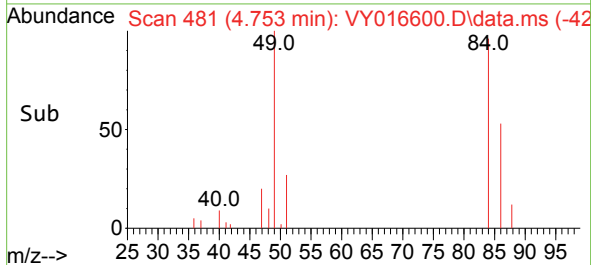
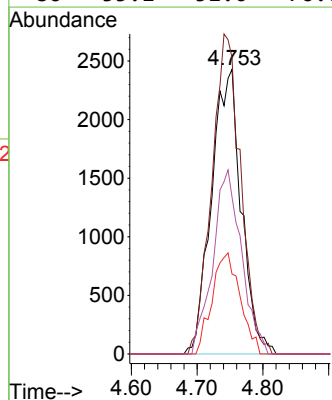
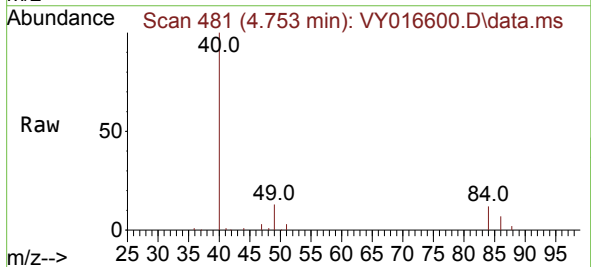
Instrument :
MSVOA_Y
ClientSampleId :

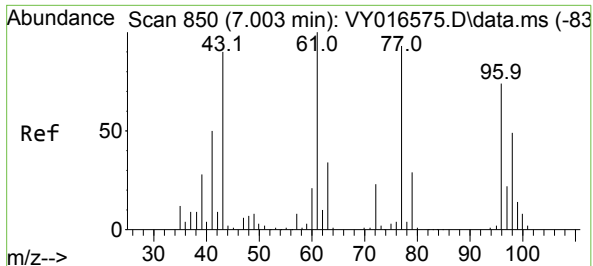
Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 28.4 22.7 34.1



#20
Methylene Chloride
Concen: 2.998 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.018 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

Tgt Ion: 84 Resp: 7644
Ion Ratio Lower Upper
84 100
49 104.0 106.9 160.3#
51 28.0 33.2 49.8#
86 55.1 51.0 76.6





#25

2-Butanone

Concen: 1.257 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

Instrument :

MSVOA_Y

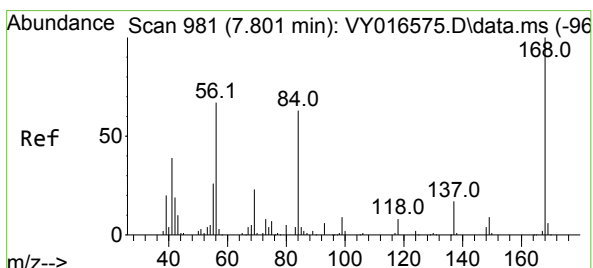
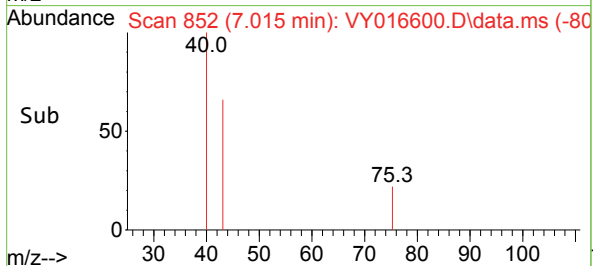
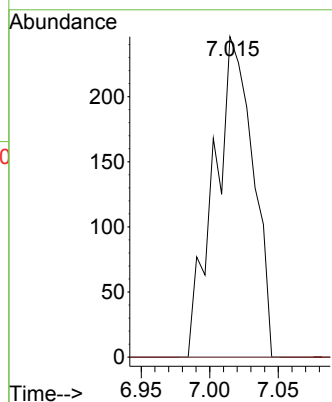
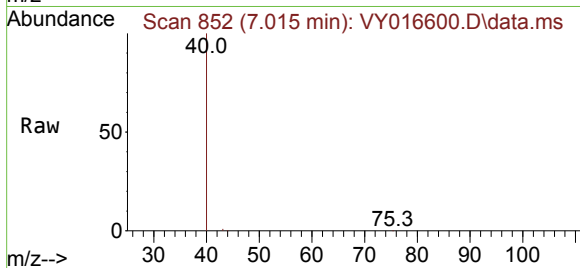
ClientSampleId :

Tgt Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

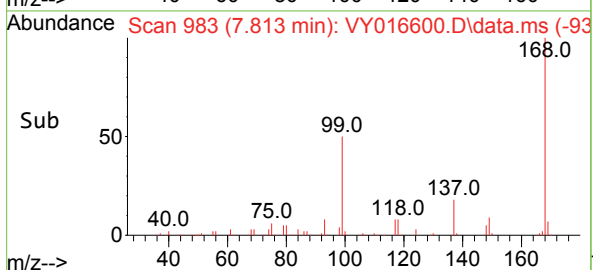
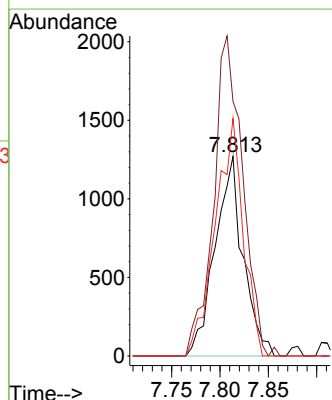
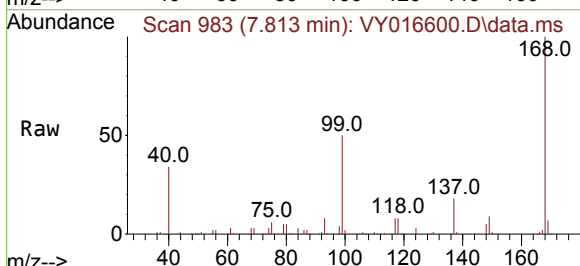
Tgt Ion: 56 Resp: 2557

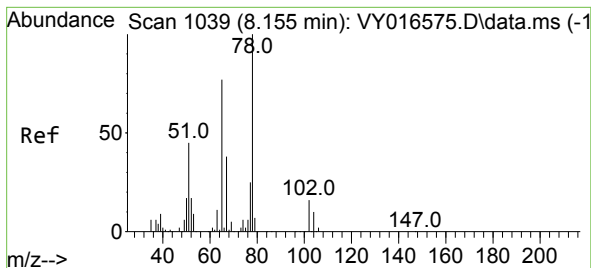
Ion Ratio Lower Upper

56 100

69 127.6 27.8 41.6#

84 119.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 68.557 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

Instrument :

MSVOA_Y

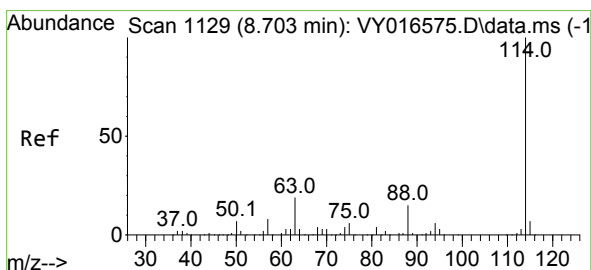
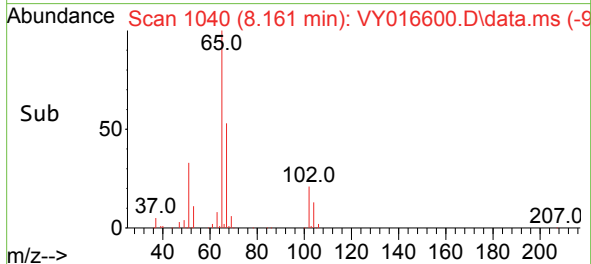
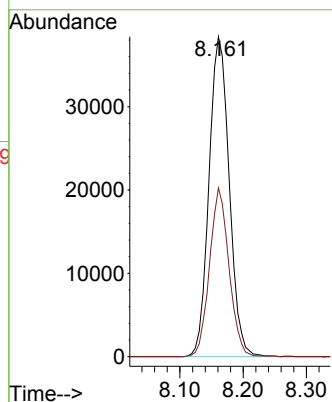
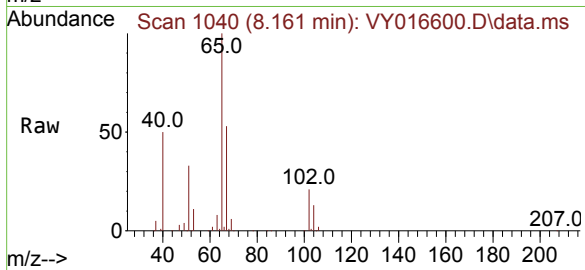
ClientSampleId :

Tgt Ion: 65 Resp: 85215

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

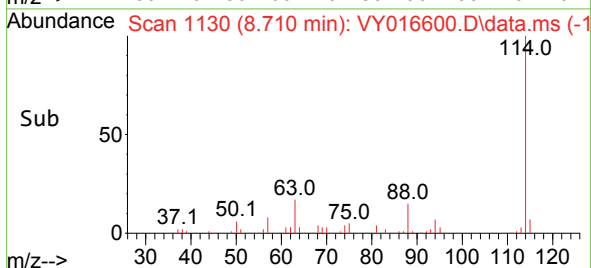
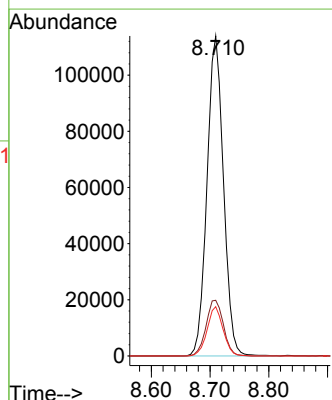
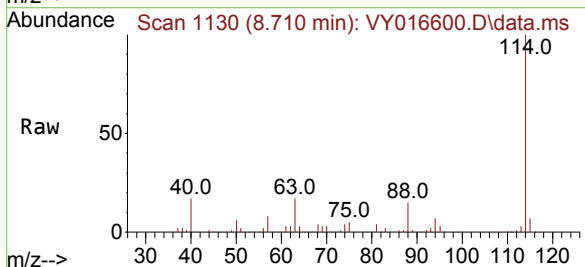
Tgt Ion: 114 Resp: 221557

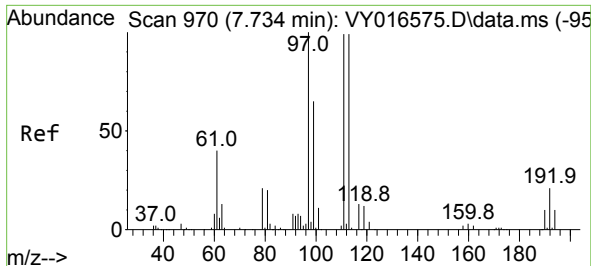
Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

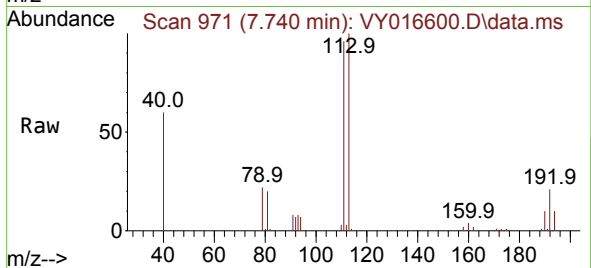
88 15.4 0.0 30.6



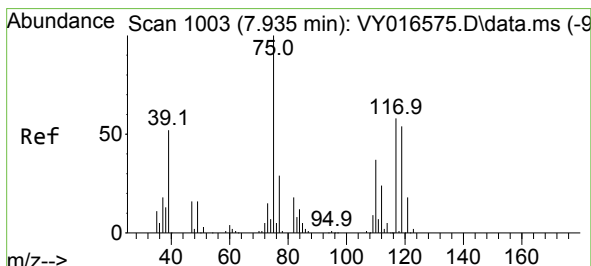
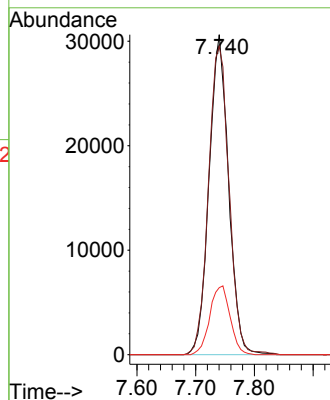
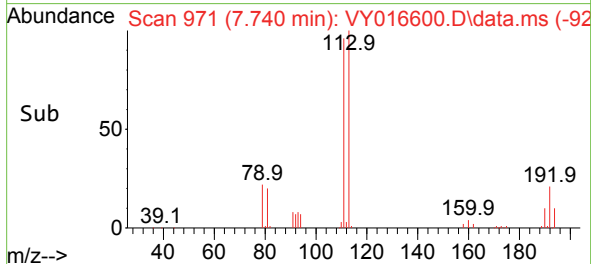


#35
Dibromofluoromethane
Concen: 52.974 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

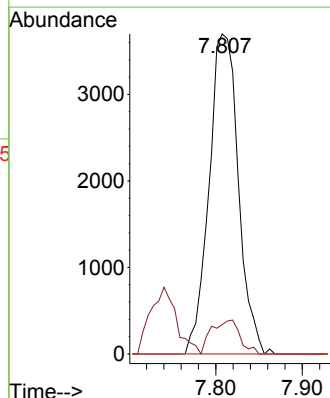
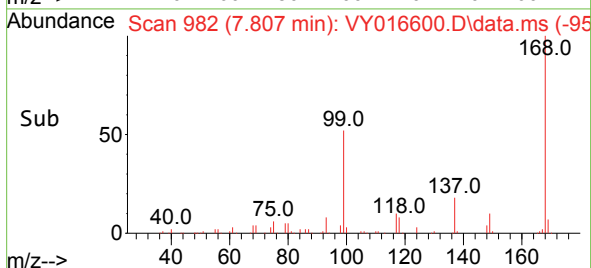
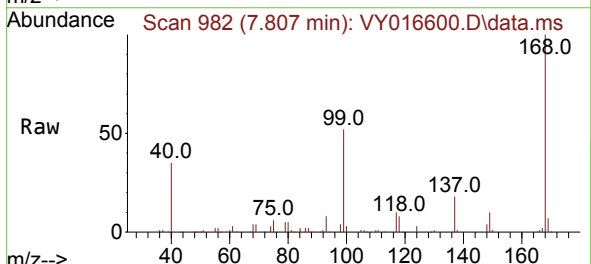


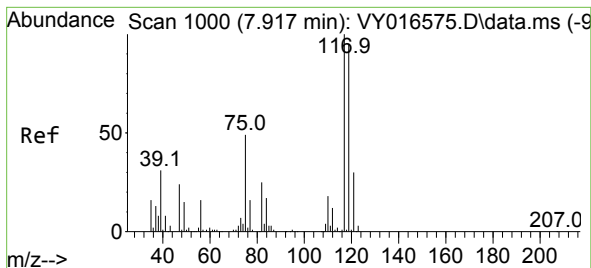
Tgt Ion:113 Resp: 70632
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 22.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.295 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

Tgt Ion: 75 Resp: 8705
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.306 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.110 min

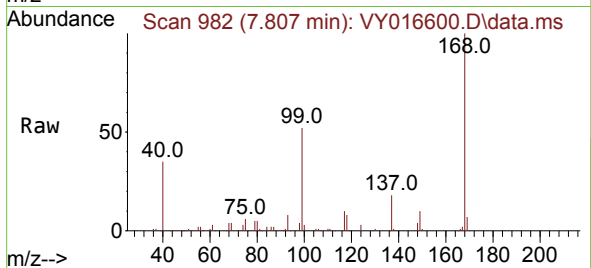
Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :



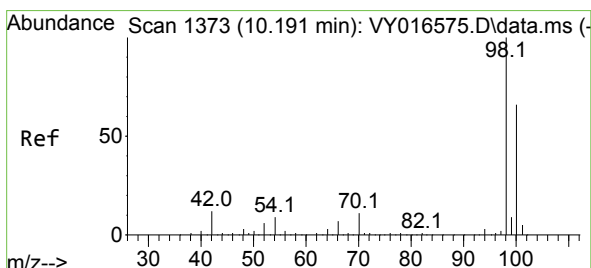
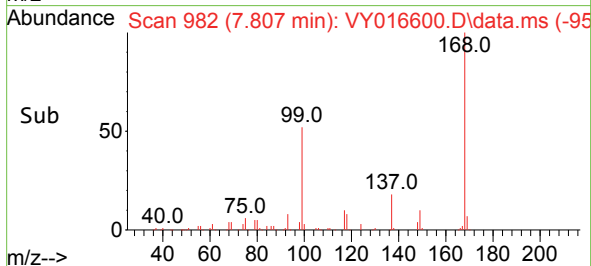
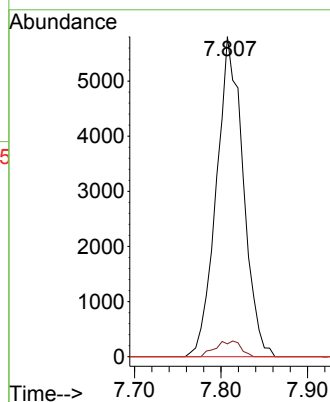
Tgt Ion:117 Resp: 12449

Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.147 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016600.D

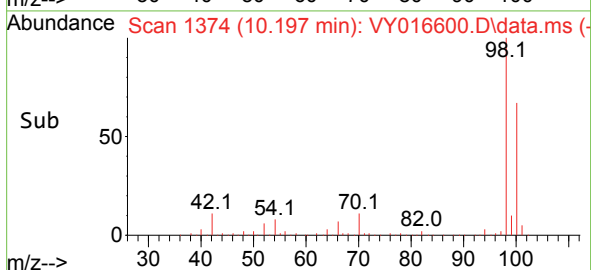
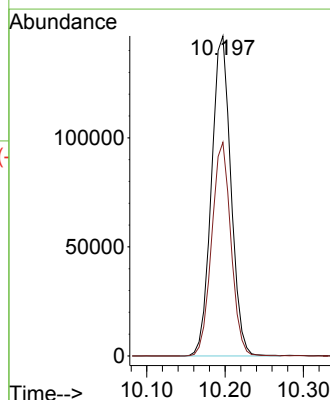
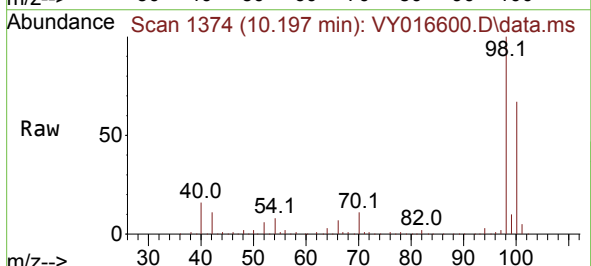
Acq: 05 Dec 2023 16:43

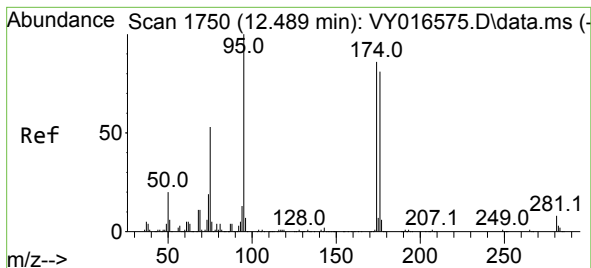
Tgt Ion: 98 Resp: 252914

Ion Ratio Lower Upper

98 100

100 66.0 50.1 75.1

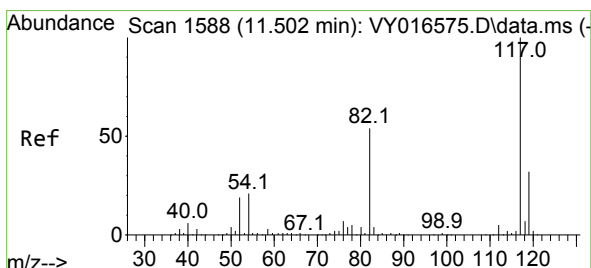
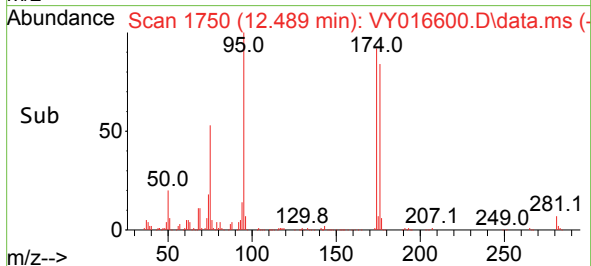
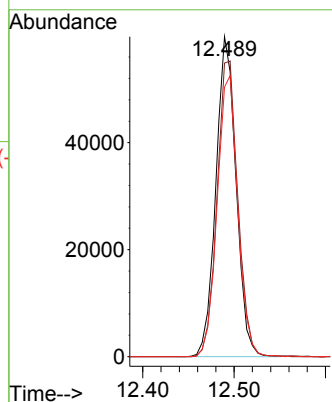
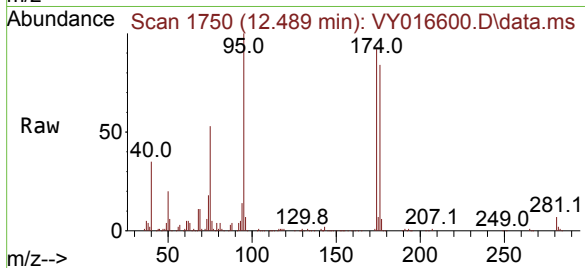




#62
4-Bromofluorobenzene
Concen: 55.261 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

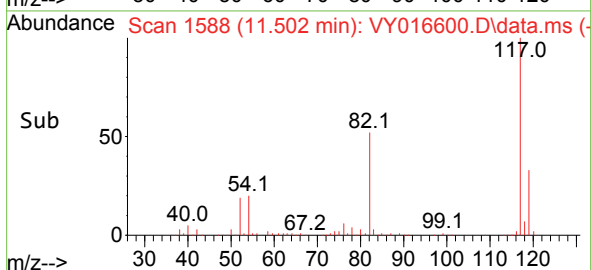
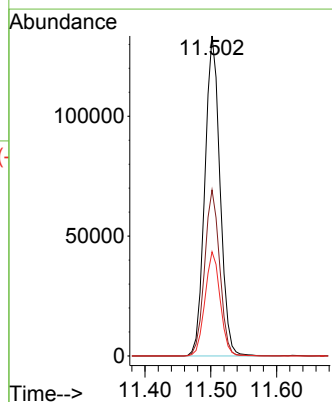
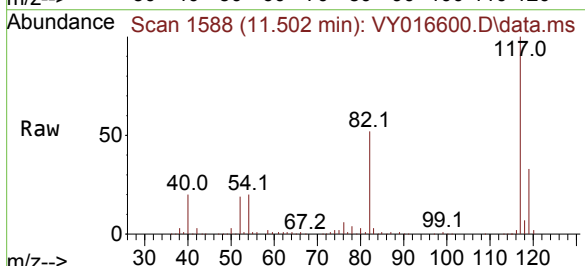
Instrument :
MSVOA_Y
ClientSampleId :

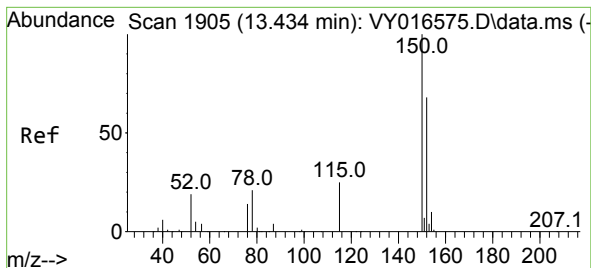
Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	178.2
176	89.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016600.D
Acq: 05 Dec 2023 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.0
119	32.6	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

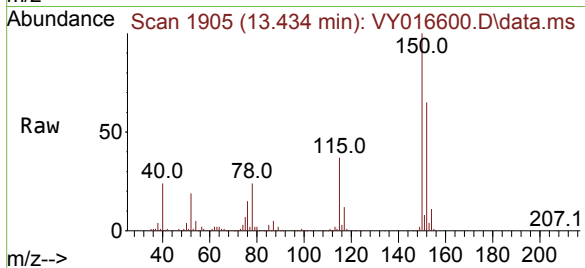
Lab File: VY016600.D

Acq: 05 Dec 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :



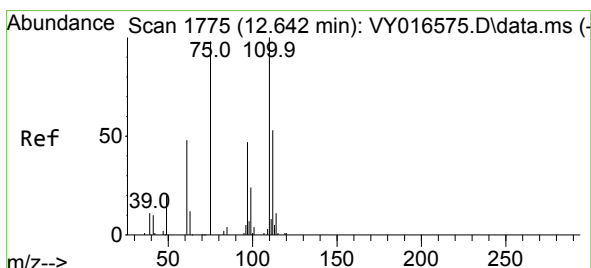
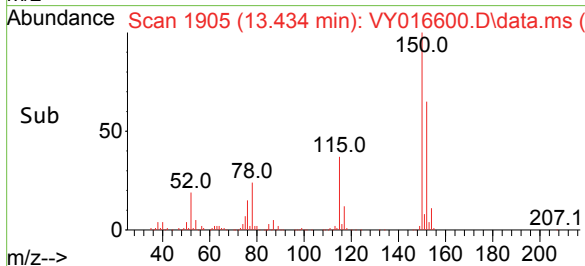
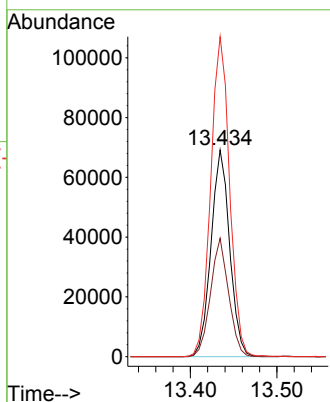
Tgt Ion:152 Resp: 103604

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 156.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 52.486 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016600.D

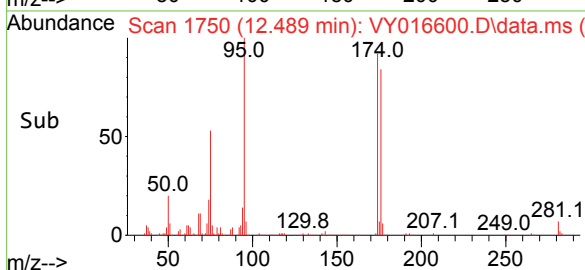
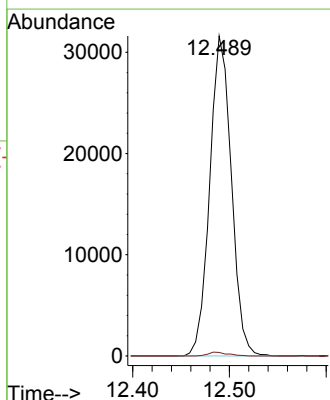
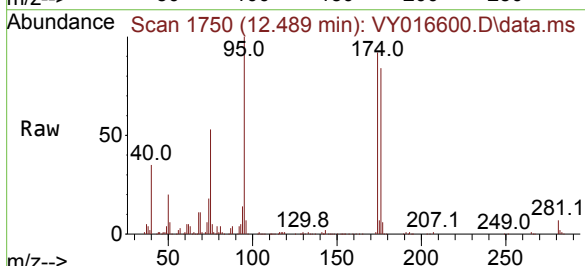
Acq: 05 Dec 2023 16:43

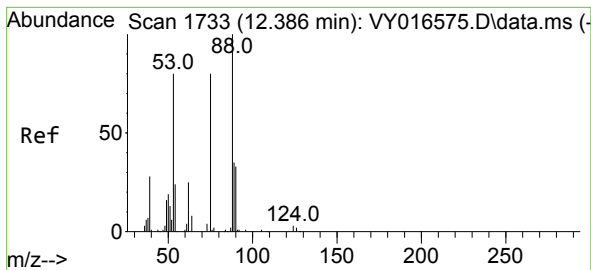
Tgt Ion: 75 Resp: 49121

Ion Ratio Lower Upper

75 100

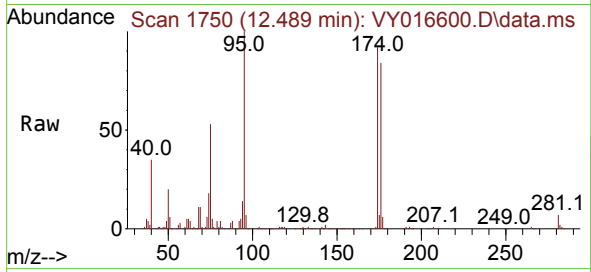
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.399 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY016600.D
 Acq: 05 Dec 2023 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 49121
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

