

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011224\
 Data File : VY016989.D
 Acq On : 12 Jan 2024 13:48
 Operator : SY/MD
 Sample : P1123-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 13 00:05:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

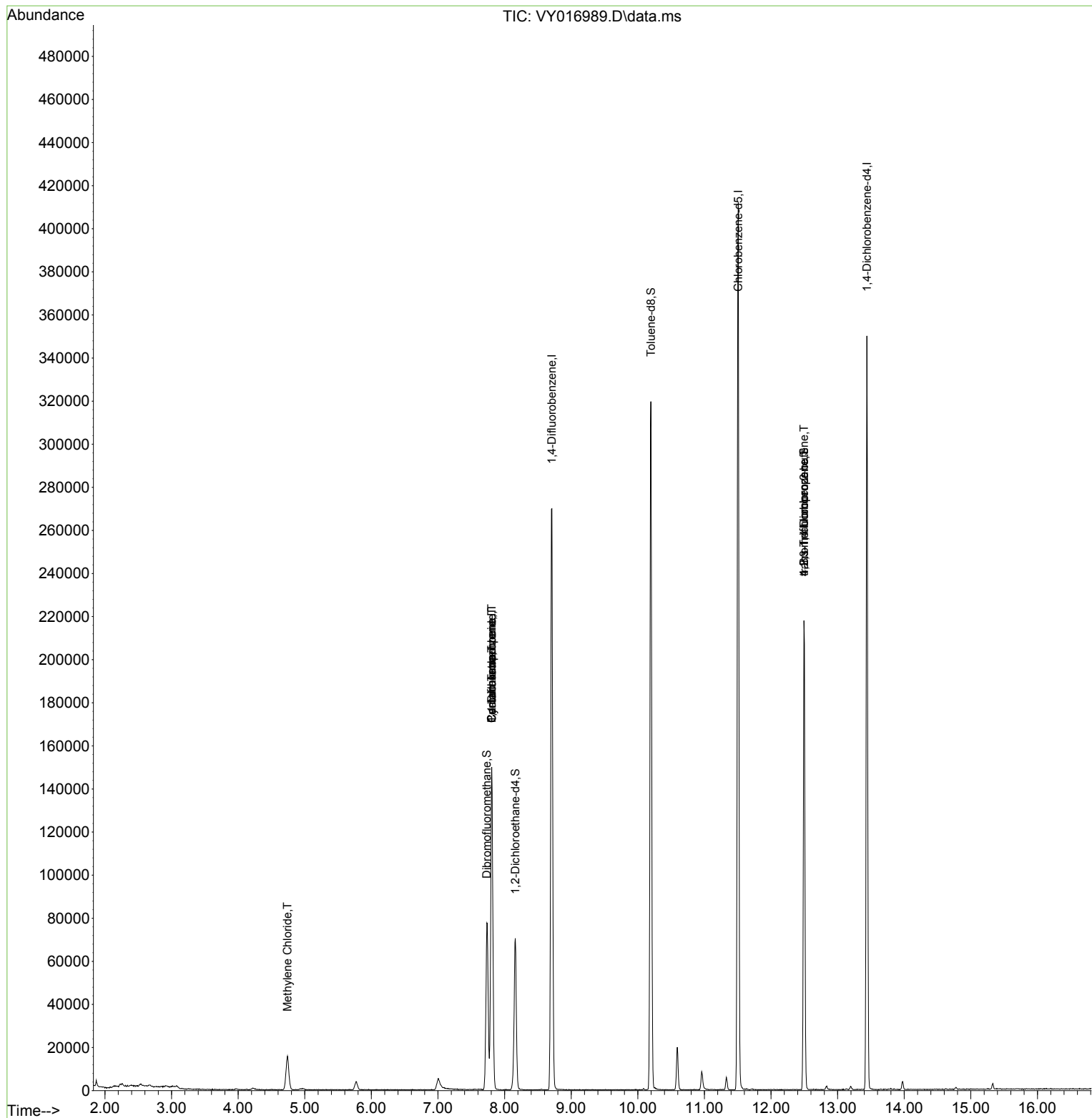
Internal Standards						
1) Pentafluorobenzene	7.807	168	111762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	237567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	226734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	85242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	52937	47.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.840%
35) Dibromofluoromethane	7.734	113	56037	37.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.040%
50) Toluene-d8	10.197	98	208079	39.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.840%
62) 4-Bromofluorobenzene	12.495	95	64822	36.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	667	Below Cal	#	75
16) Acetone	3.966	43	736	Below Cal		95
20) Methylene Chloride	4.741	84	12056	1.646	ug/l	97
25) 2-Butanone	7.003	43	396	Below Cal	#	48
31) Cyclohexane	7.807	56	2506	1.322	ug/l	# 3
36) 1,1-Dichloropropene	7.807	75	10044	4.553	ug/l	# 49
38) Carbon Tetrachloride	7.807	117	11388	5.080	ug/l	# 16
76) 1,2,3-Trichloropropane	12.495	75	34888	37.716	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	34888	85.642	ug/l	# 12

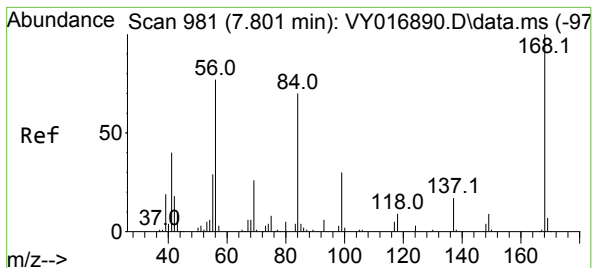
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.807 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY016989.D

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Instrument :

MSVOA_Y

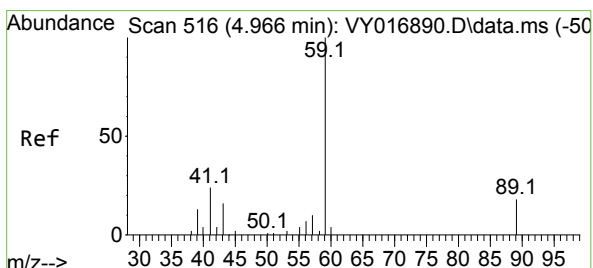
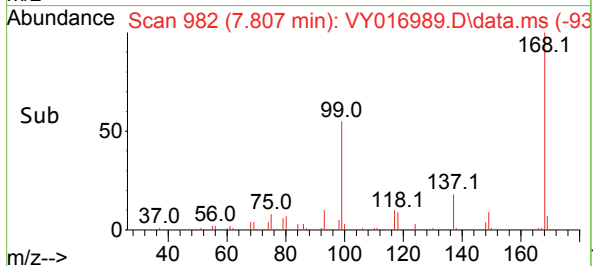
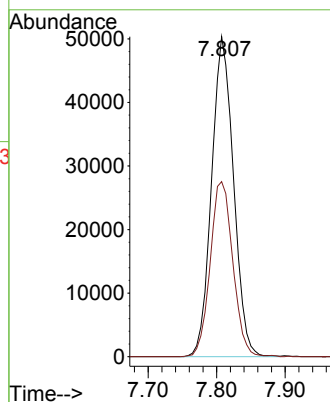
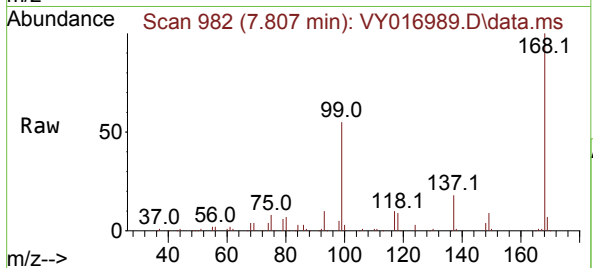
ClientSampleId :

Tgt Ion:168 Resp: 111762

Ion Ratio Lower Upper

168 100

99 54.7 44.2 66.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.979 min Scan# 518

Delta R.T. 0.013 min

Lab File: VY016989.D

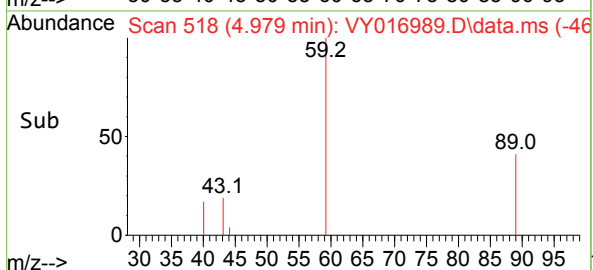
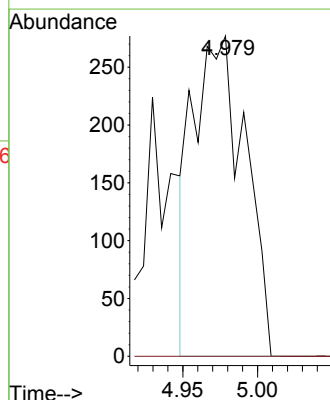
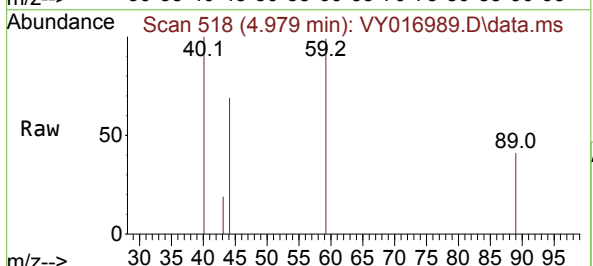
Acq: 12 Jan 2024 13:48

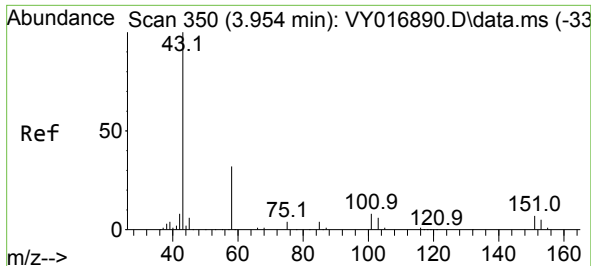
Tgt Ion: 59 Resp: 667

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.966 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY016989.D

Acq: 12 Jan 2024 13:48

Instrument :

MSVOA_Y

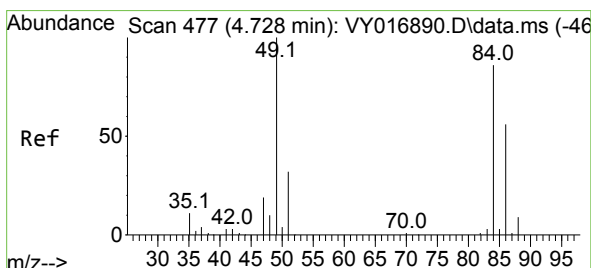
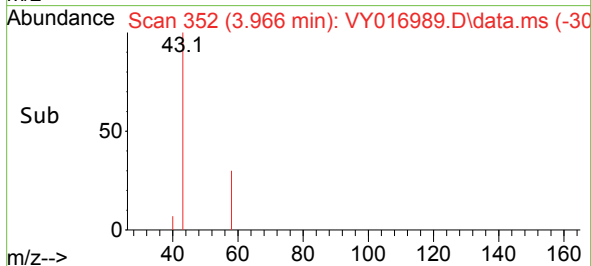
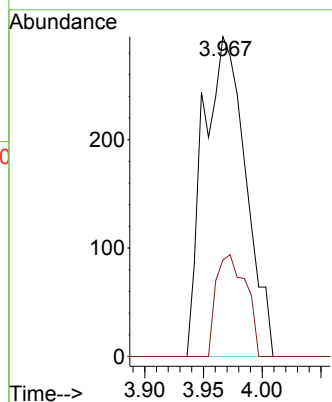
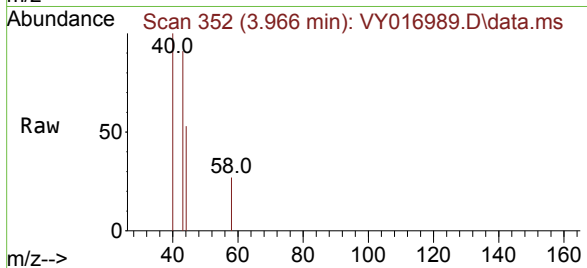
ClientSampleId :

Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

58 30.2 26.6 39.8



#20

Methylene Chloride

Concen: 1.646 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.007 min

Lab File: VY016989.D

Acq: 12 Jan 2024 13:48

Tgt Ion: 84 Resp: 12056

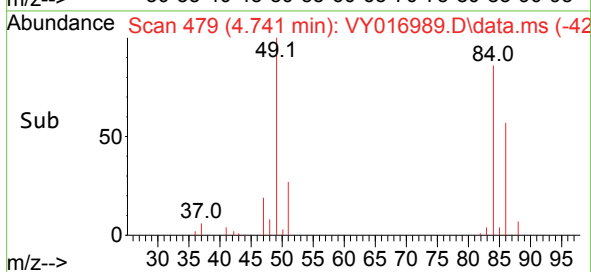
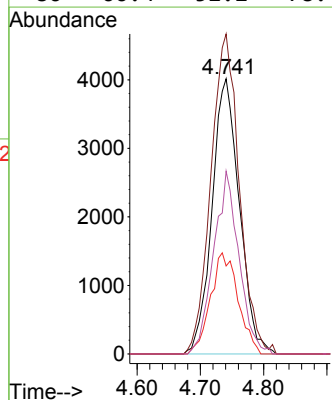
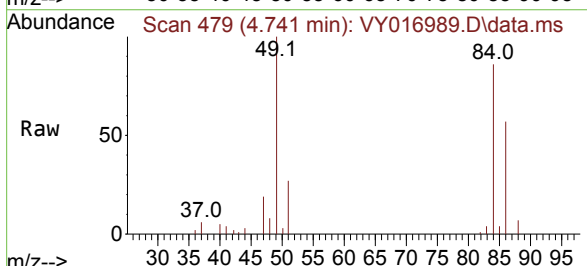
Ion Ratio Lower Upper

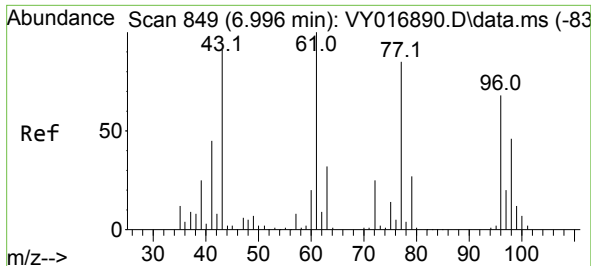
84 100

49 116.3 95.2 142.8

51 32.0 29.9 44.9

86 66.4 52.2 78.4





#25

2-Butanone

Concen: Below Cal

RT: 7.003 min Scan# 81

Delta R.T. 0.007 min

Lab File: VY016989.D

Acq: 12 Jan 2024 13:48

Instrument :

MSVOA_Y

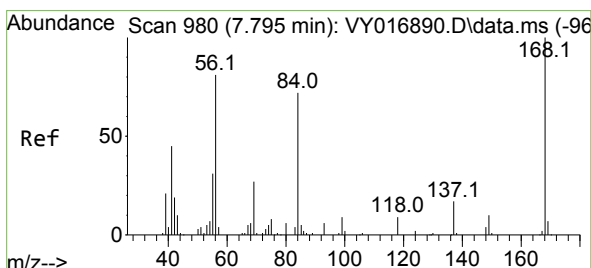
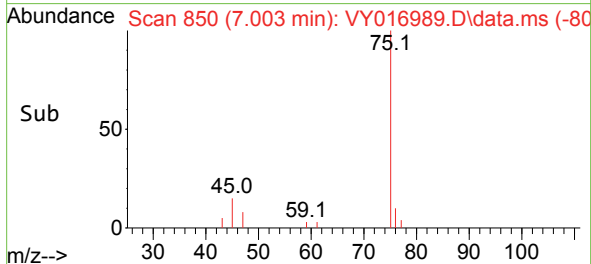
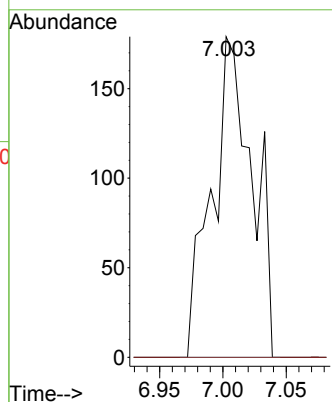
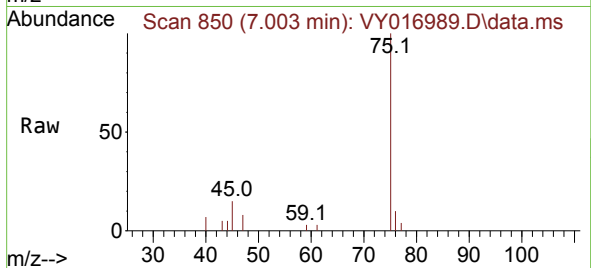
ClientSampleId :

Tgt Ion: 43 Resp: 396

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016989.D

Acq: 12 Jan 2024 13:48

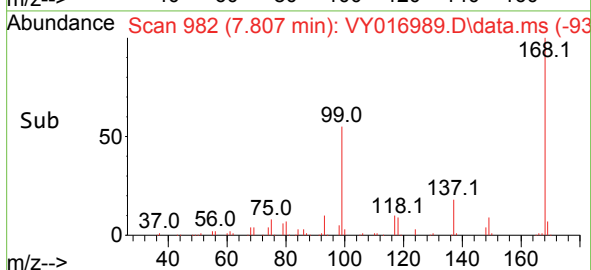
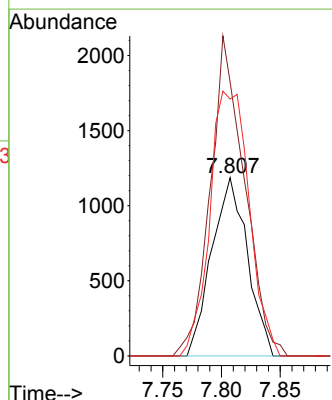
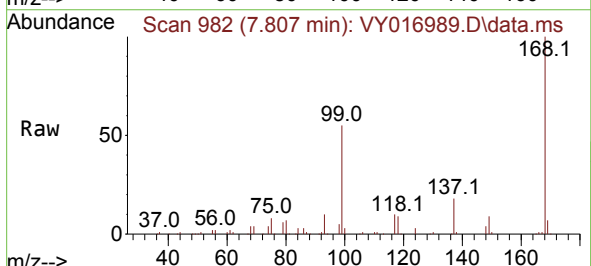
Tgt Ion: 56 Resp: 2506

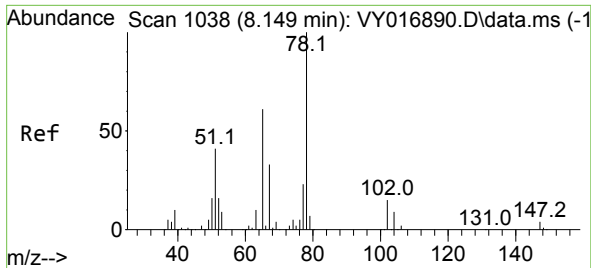
Ion Ratio Lower Upper

56 100

69 148.7 27.0 40.6#

84 144.2 71.8 107.6#

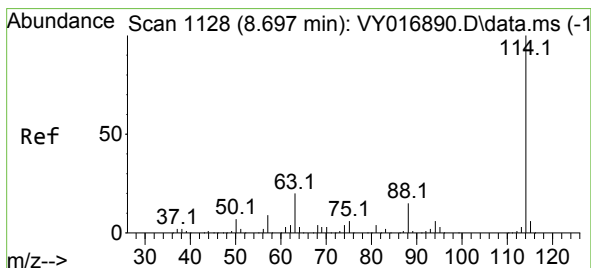
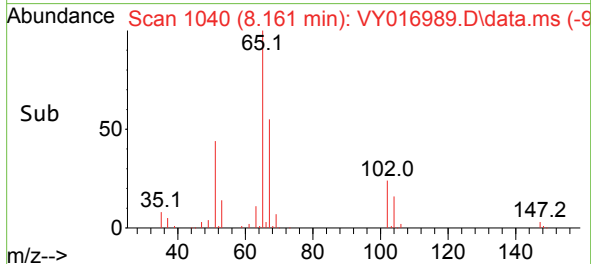
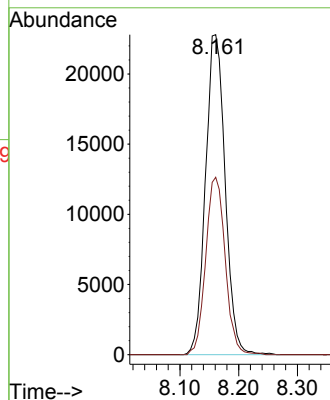
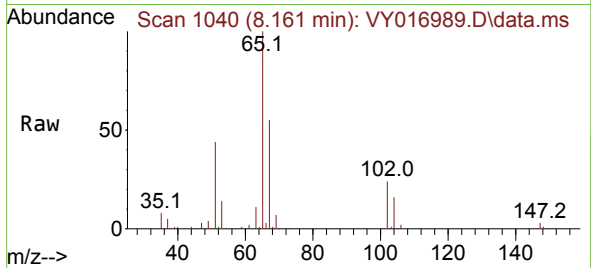




#33
 1,2-Dichloroethane-d4
 Concen: 47.924 ug/l
 RT: 8.161 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY016989.D
 Acq: 12 Jan 2024 13:48

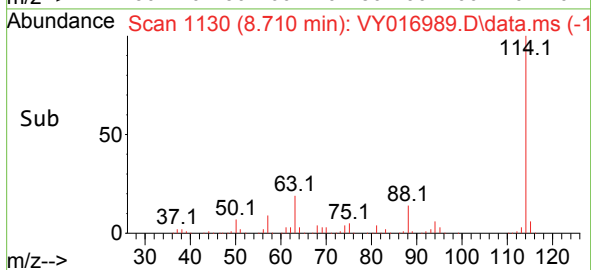
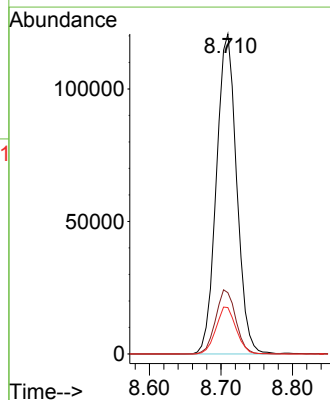
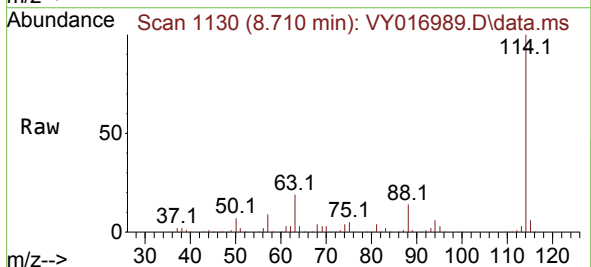
Instrument :
 MSVOA_Y
 ClientSampleId :

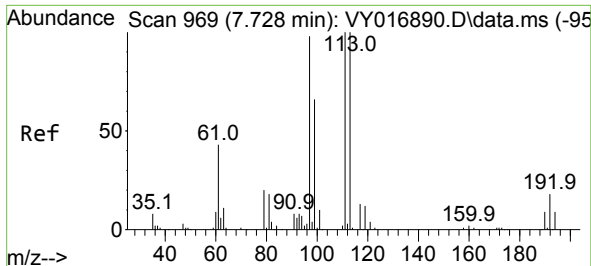
Tgt Ion: 65 Resp: 52937
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.710 min Scan# 1130
 Delta R.T. 0.007 min
 Lab File: VY016989.D
 Acq: 12 Jan 2024 13:48

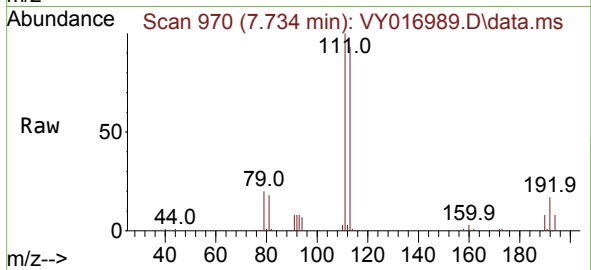
Tgt Ion: 114 Resp: 237567
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.4
 88 14.5 0.0 29.0



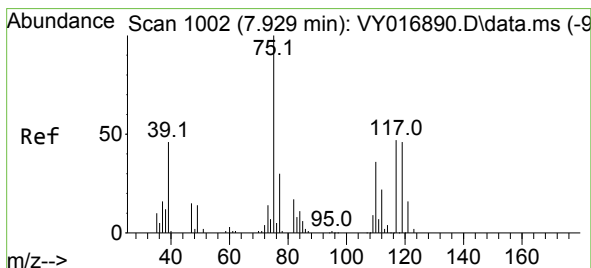
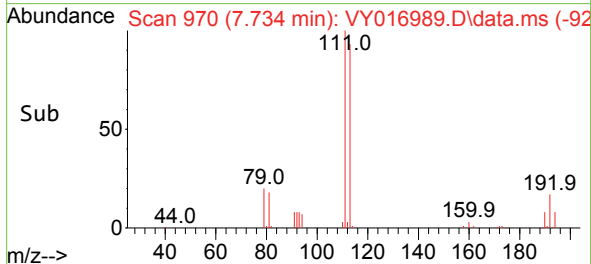
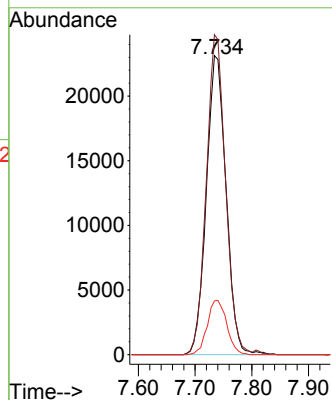


#35
Dibromofluoromethane
Concen: 37.016 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

Instrument :
MSVOA_Y
ClientSampleId :

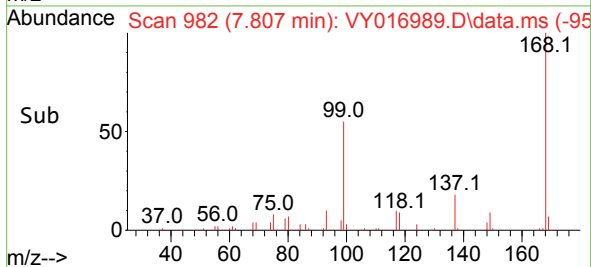
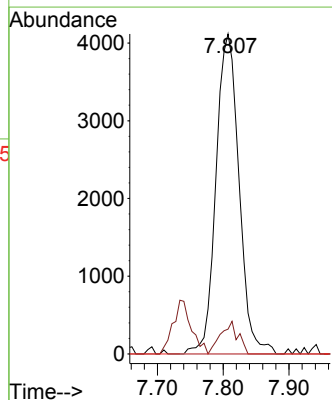
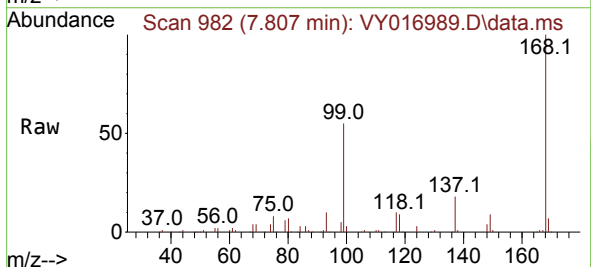


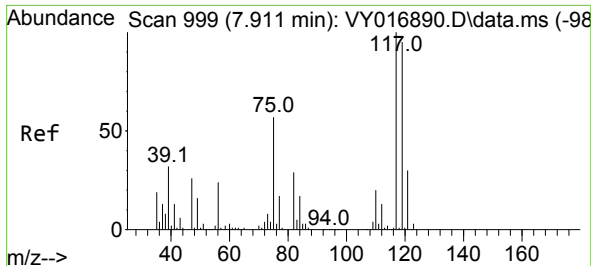
Tgt Ion:113 Resp: 56037
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.6
192 17.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

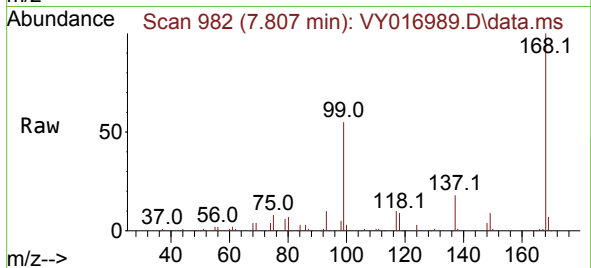
Tgt Ion: 75 Resp: 10044
Ion Ratio Lower Upper
75 100
110 7.7 17.4 52.3#
77 0.0 24.7 37.1#



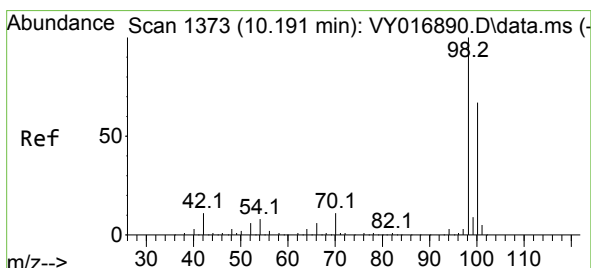
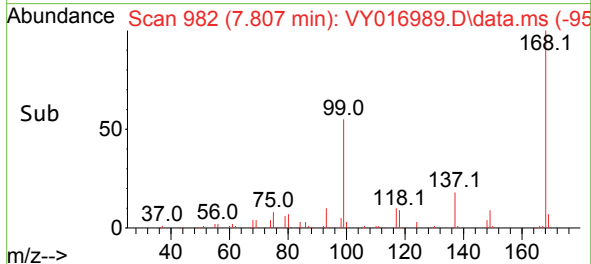
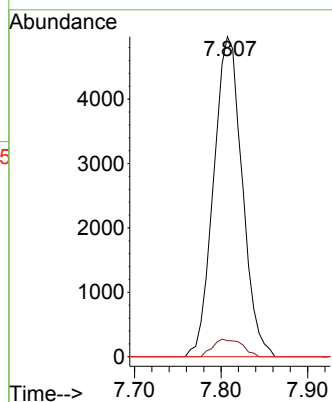


#38
Carbon Tetrachloride
Concen: 5.080 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

Instrument :
MSVOA_Y
ClientSampleId :

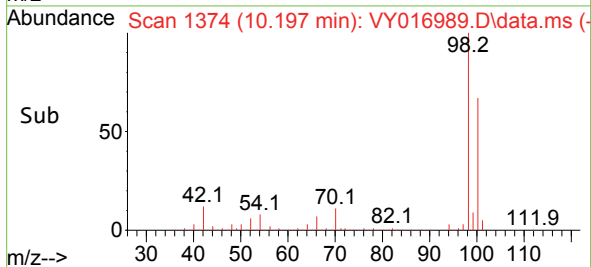
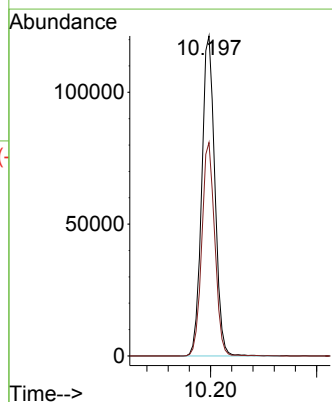
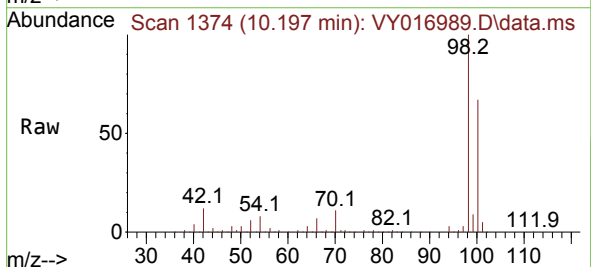


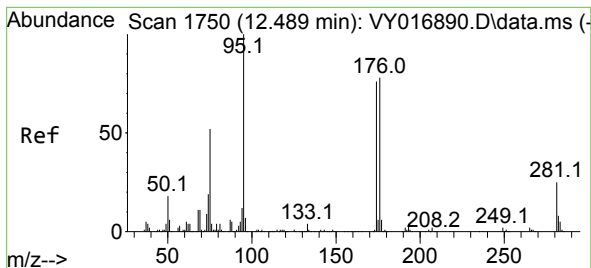
Tgt Ion:117 Resp: 11388
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 39.915 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

Tgt Ion: 98 Resp: 208079
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5

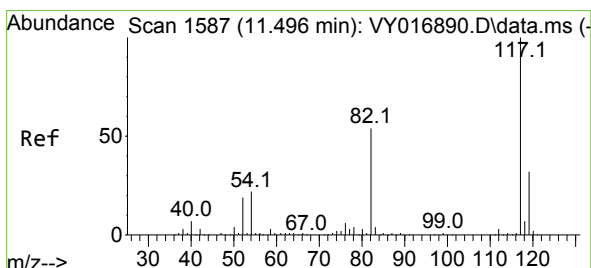
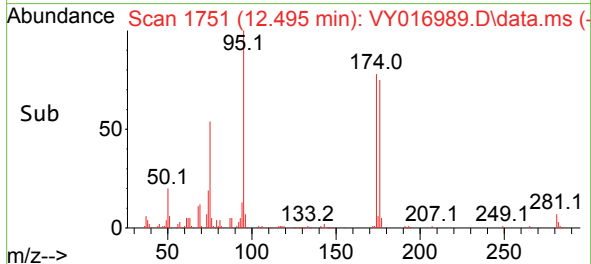
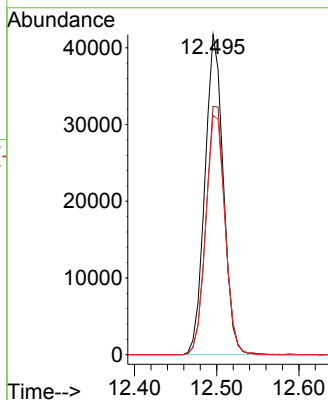
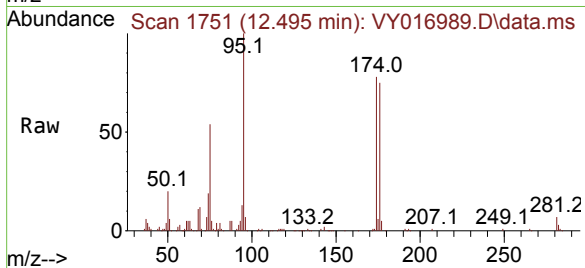




#62
4-Bromofluorobenzene
Concen: 36.856 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

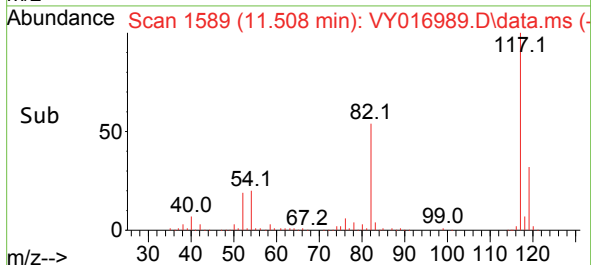
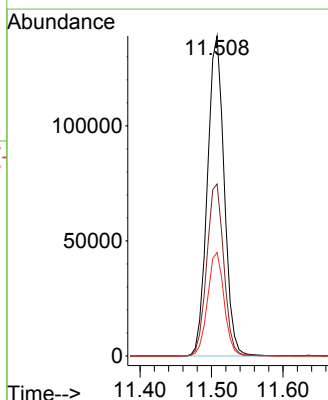
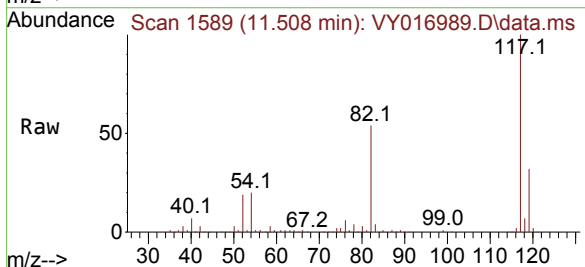
Instrument :
MSVOA_Y
ClientSampleId :

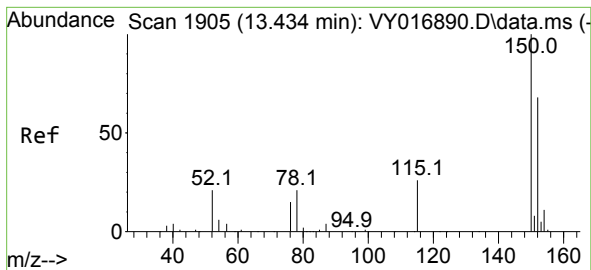
Tgt Ion: 95 Resp: 64822
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.0
176 78.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016989.D
Acq: 12 Jan 2024 13:48

Tgt Ion: 117 Resp: 226734
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.8
119 32.3 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016989.D

Acq: 12 Jan 2024 13:48

Instrument :

MSVOA_Y

ClientSampleId :

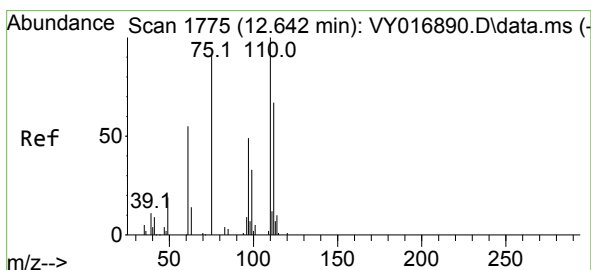
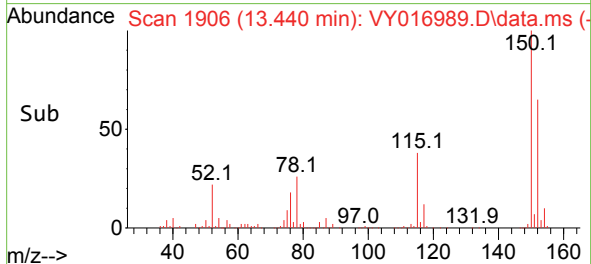
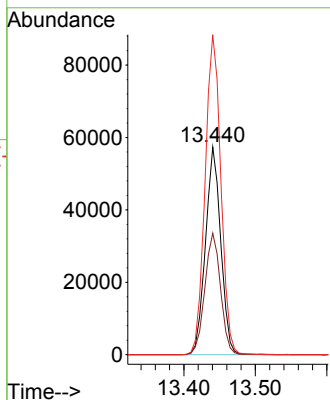
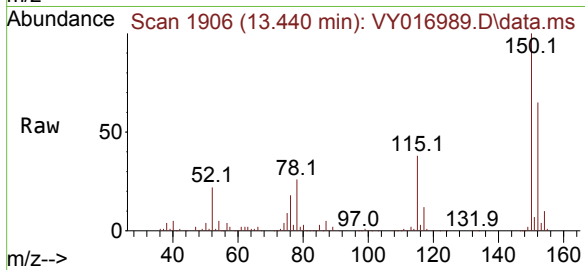
Tgt Ion:152 Resp: 85242

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 158.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 37.716 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016989.D

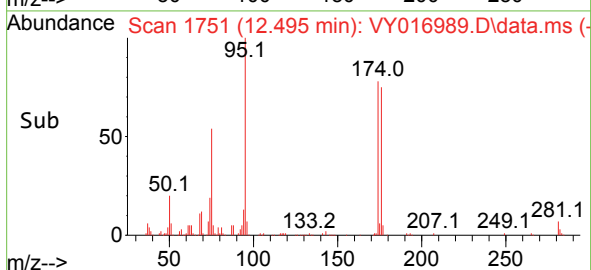
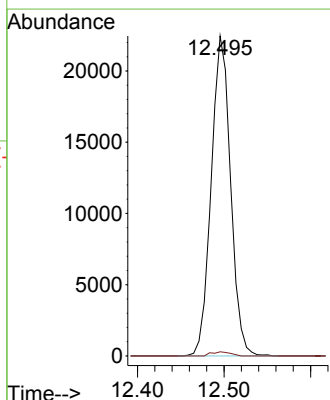
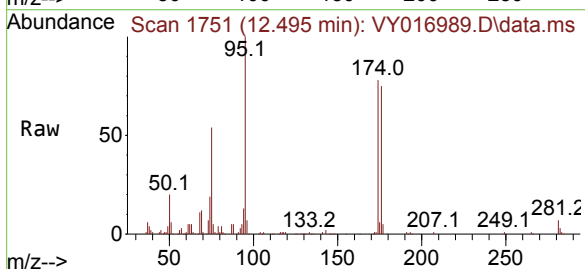
Acq: 12 Jan 2024 13:48

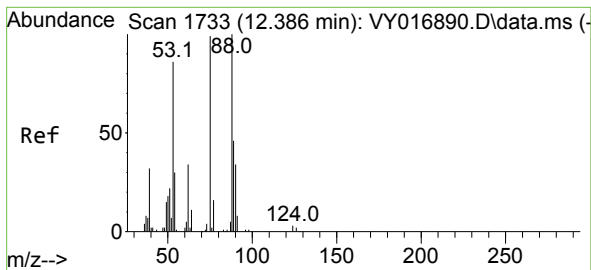
Tgt Ion: 75 Resp: 34888

Ion Ratio Lower Upper

75 100

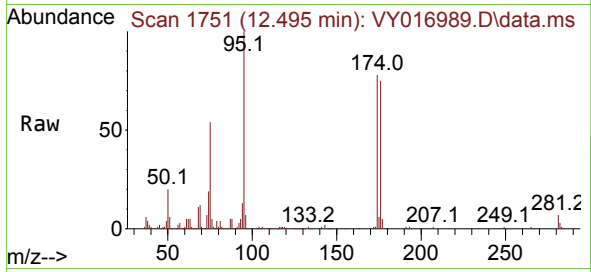
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.642 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016989.D
 Acq: 12 Jan 2024 13:48

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 34888
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

