

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019098.D
 Acq On : 16 Aug 2024 17:06
 Operator : SY/MD
 Sample : P3512-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 00:07:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

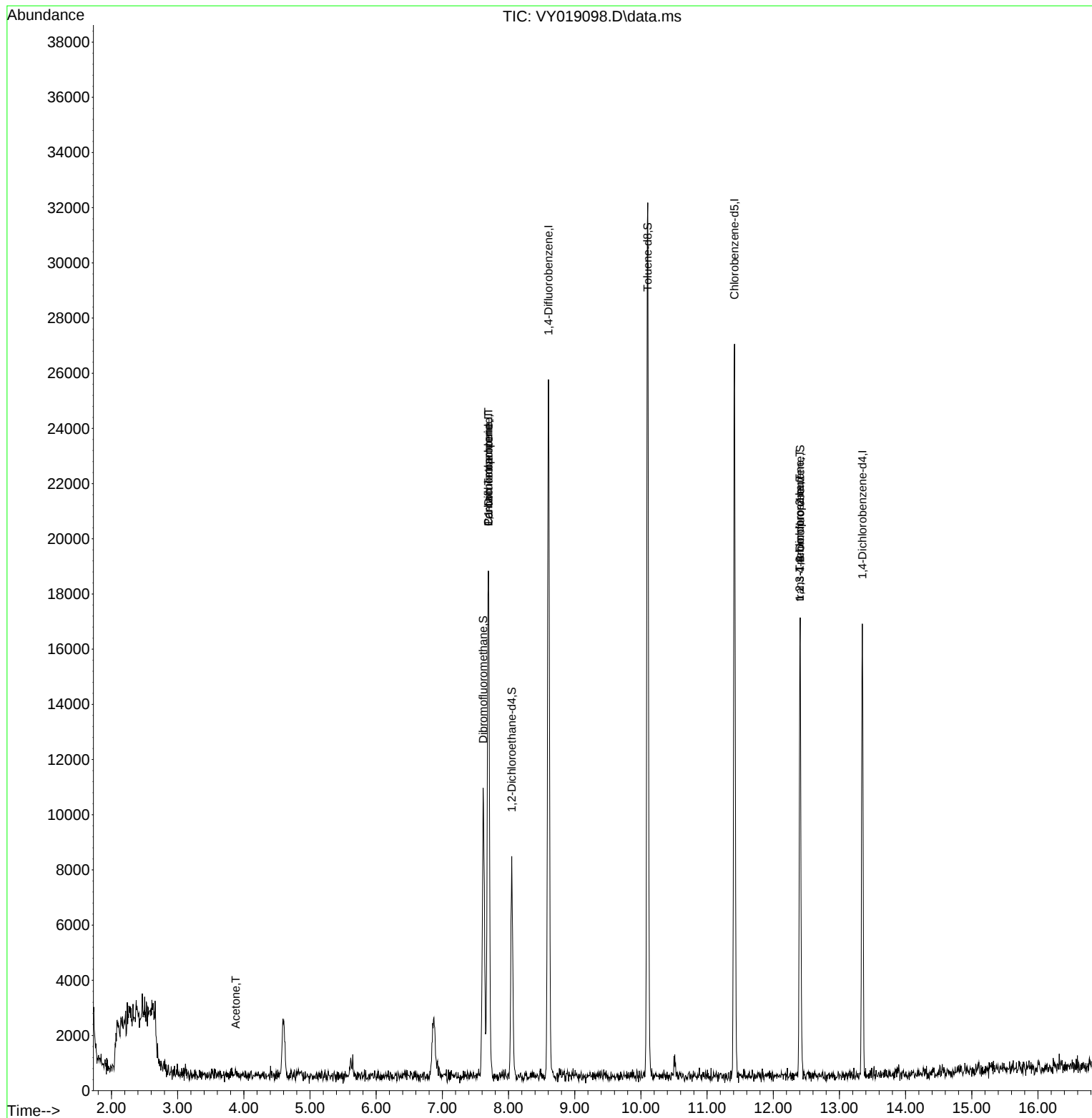
Internal Standards						
1) Pentafluorobenzene	7.695	168	14410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	22578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	4245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	5591	38.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.420%
35) Dibromofluoromethane	7.616	113	7151	48.439	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.880%
50) Toluene-d8	10.103	98	21471	40.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.820%
62) 4-Bromofluorobenzene	12.408	95	5136	28.359	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	56.720%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	244	Below Cal	#	66
6) Chloroethane	2.653	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.824	59	128	Below Cal	#	88
16) Acetone	3.879	43	71	2.650 ug/l	#	36
20) Methylene Chloride	4.604	84	1455	Below Cal	#	84
31) Cyclohexane	7.695	56	341	Below Cal	#	24
36) 1,1-Dichloropropene	7.695	75	1404	6.926 ug/l	#	43
38) Carbon Tetrachloride	7.695	117	1627	6.925 ug/l	#	13
76) 1,2,3-Trichloropropane	12.402	75	2725	65.093 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.402	75	2725	160.757 ug/l	#	16

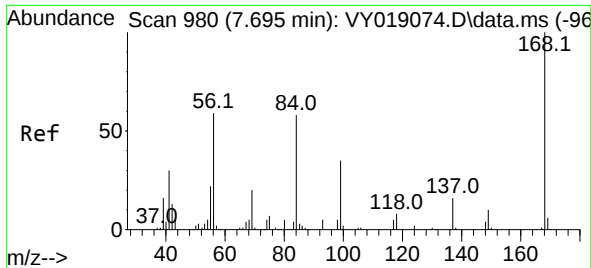
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

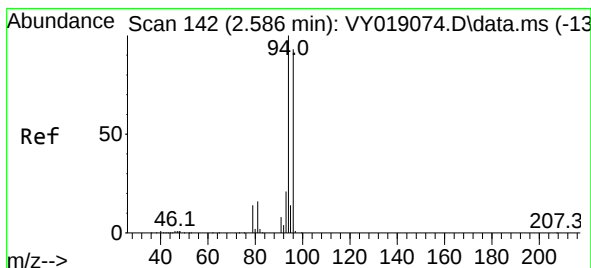
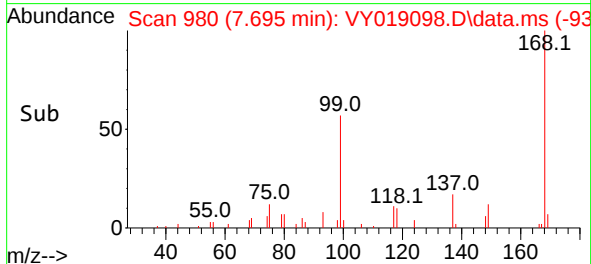
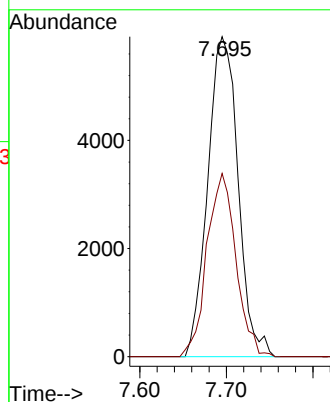
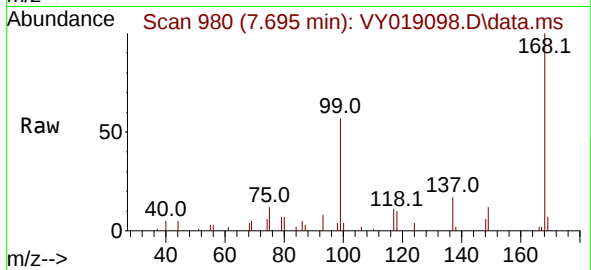




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

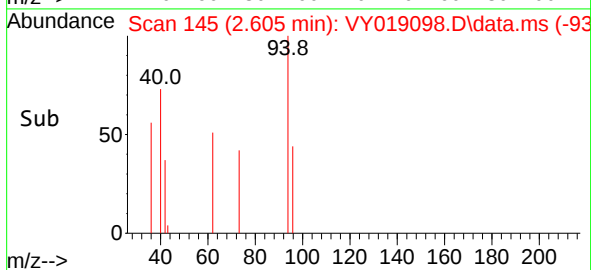
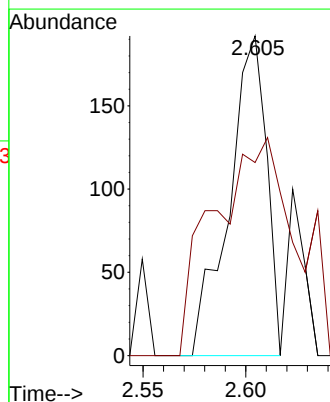
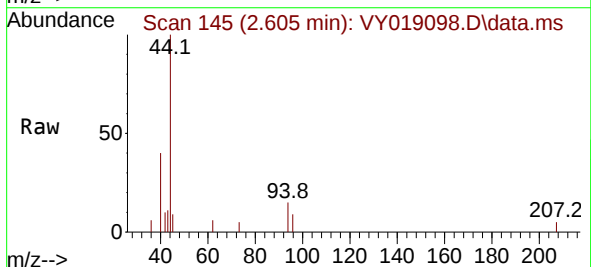
Instrument :
MSVOA_Y
ClientSampleId :

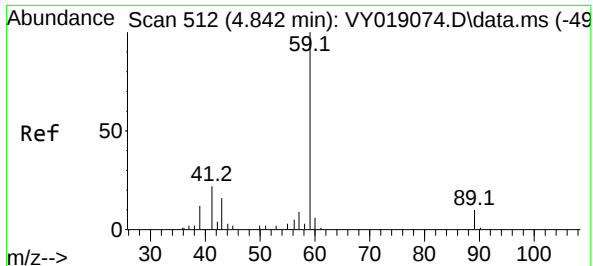
Tgt Ion:168 Resp: 14410
Ion Ratio Lower Upper
168 100
99 57.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 60.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 50

Delta R.T. -0.018 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

Instrument :

MSVOA_Y

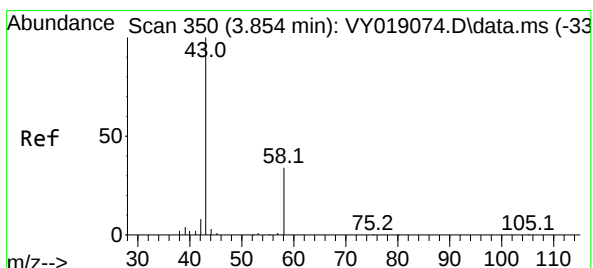
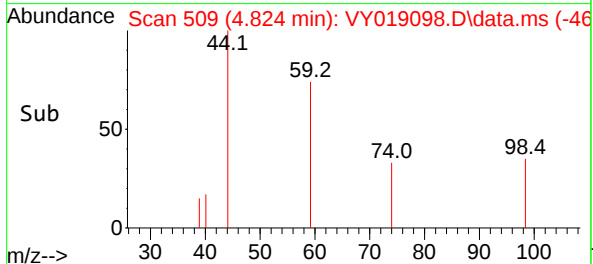
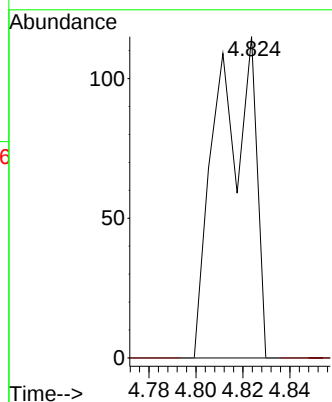
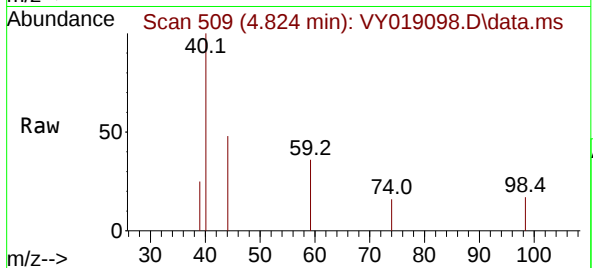
ClientSampleId :

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.650 ug/l

RT: 3.879 min Scan# 354

Delta R.T. 0.025 min

Lab File: VY019098.D

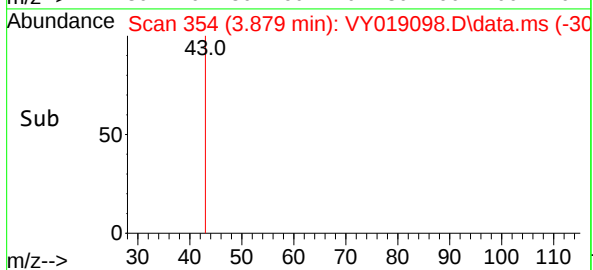
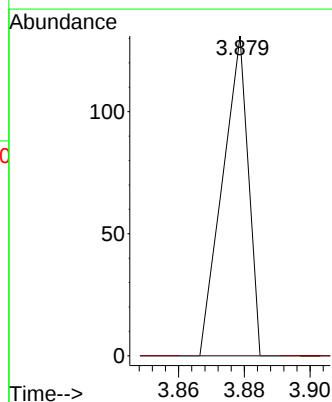
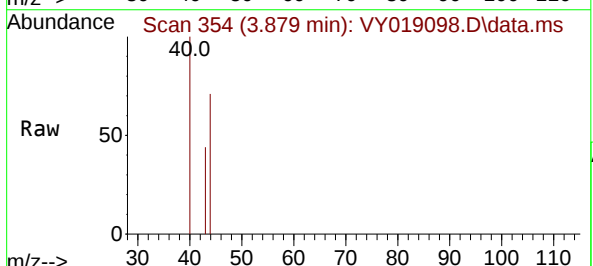
Acq: 16 Aug 2024 17:06

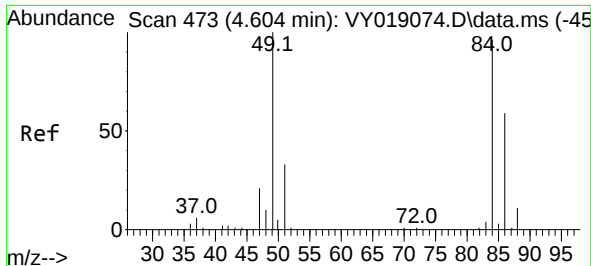
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 1455

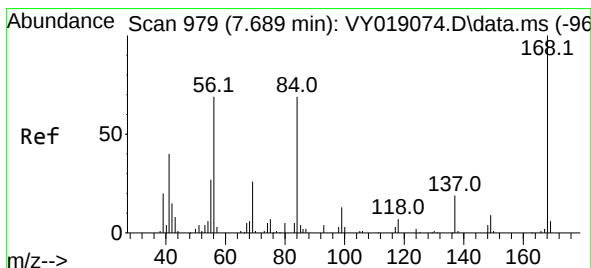
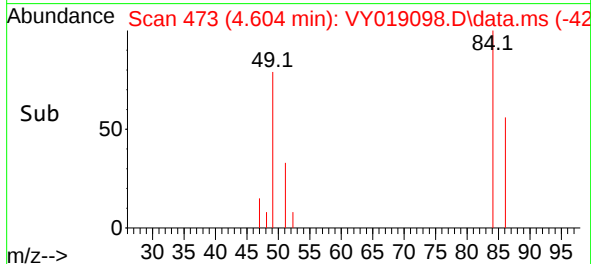
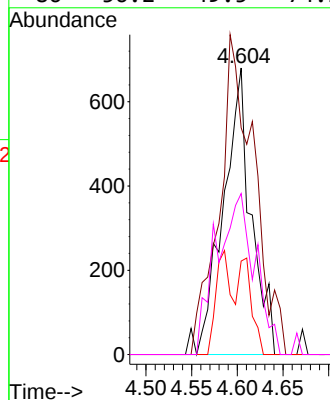
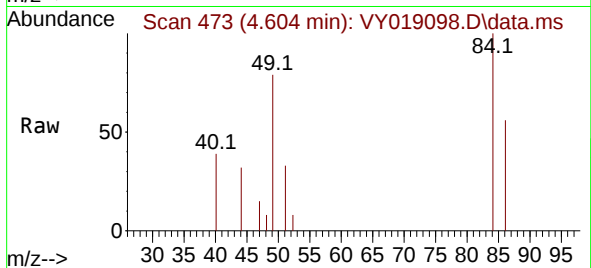
Ion Ratio Lower Upper

84 100

49 79.1 84.4 126.6#

51 32.6 26.0 39.0

86 56.2 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

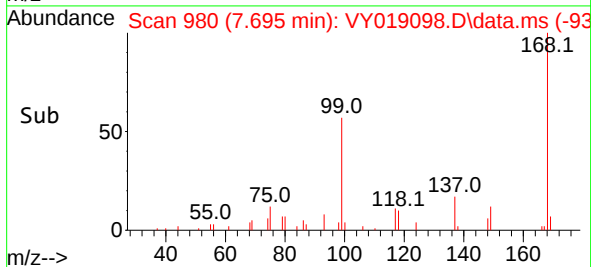
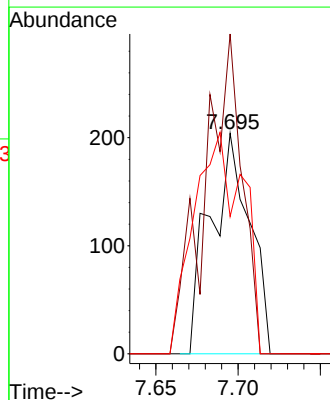
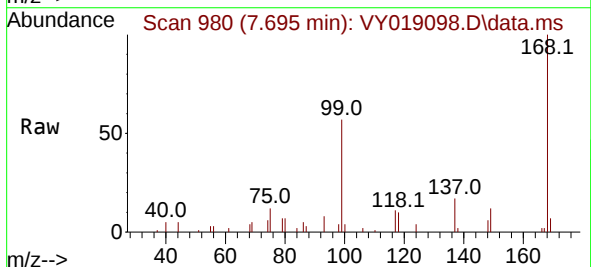
Tgt Ion: 56 Resp: 341

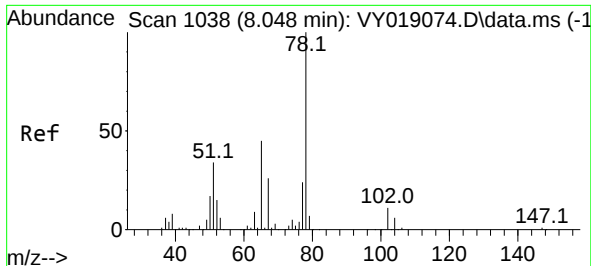
Ion Ratio Lower Upper

56 100

69 145.1 28.7 43.1#

84 62.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 38.706 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

Instrument :

MSVOA_Y

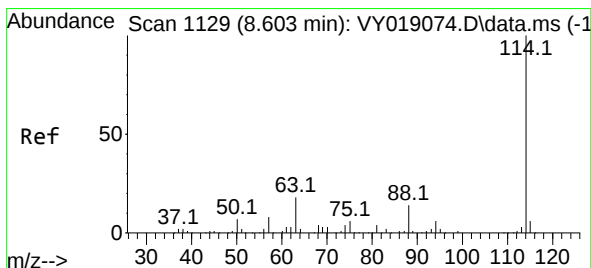
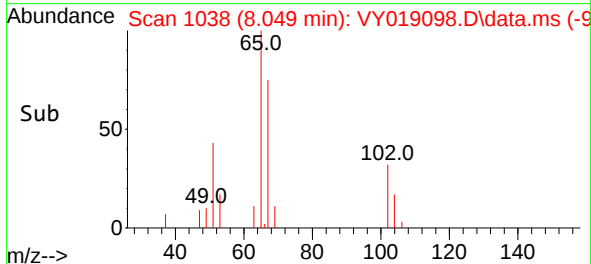
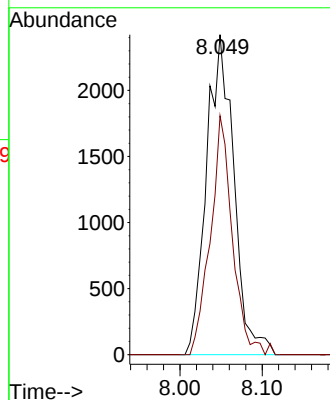
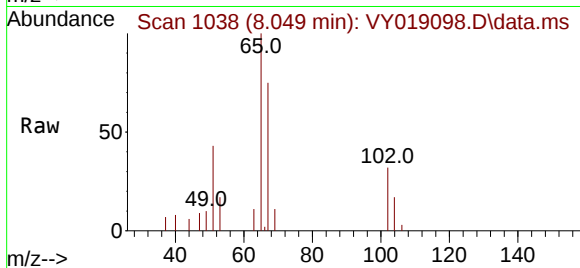
ClientSampleId :

Tgt Ion: 65 Resp: 5591

Ion Ratio Lower Upper

65 100

67 60.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

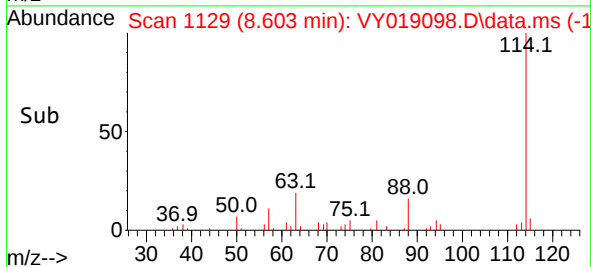
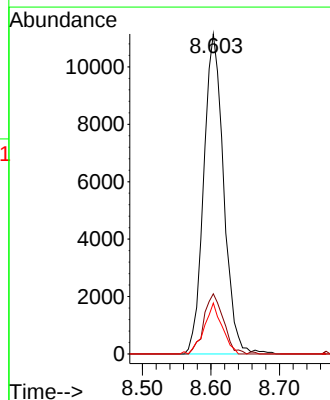
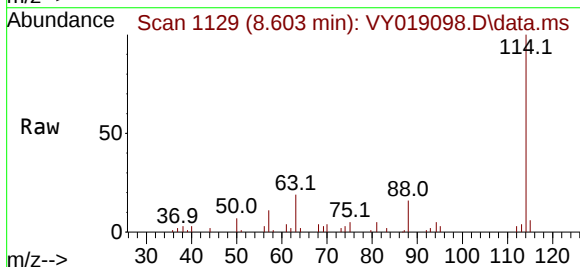
Tgt Ion: 114 Resp: 22578

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 15.9 0.0 27.2

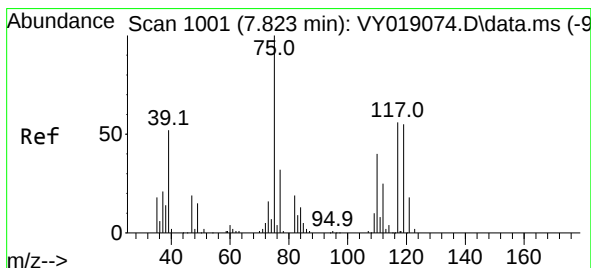
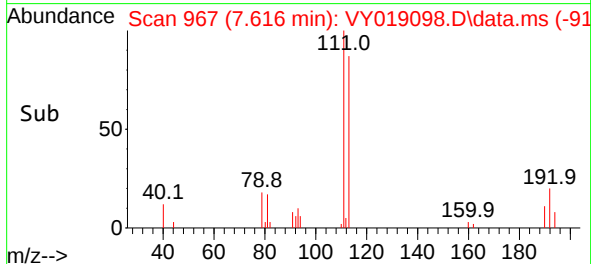
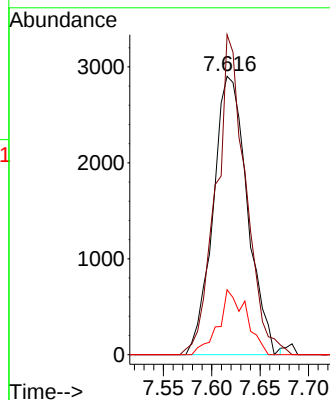
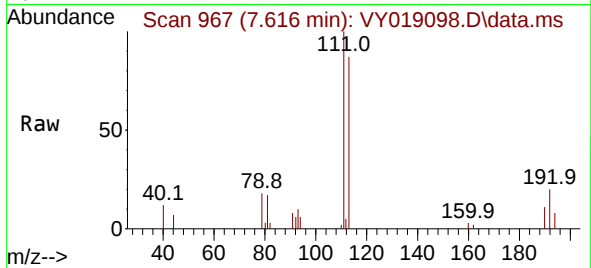




#35
Dibromofluoromethane
Concen: 48.439 ug/l
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

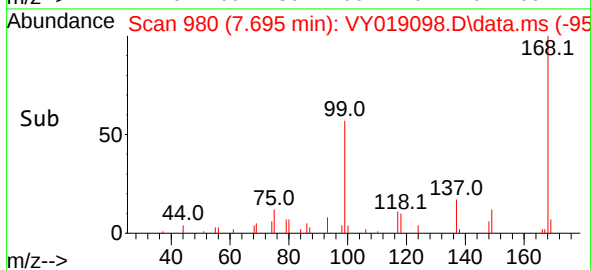
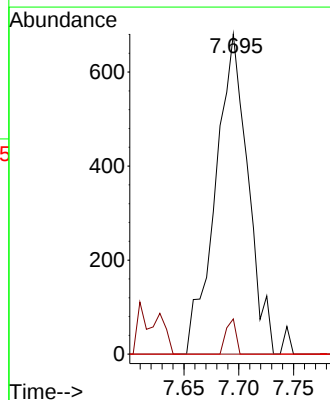
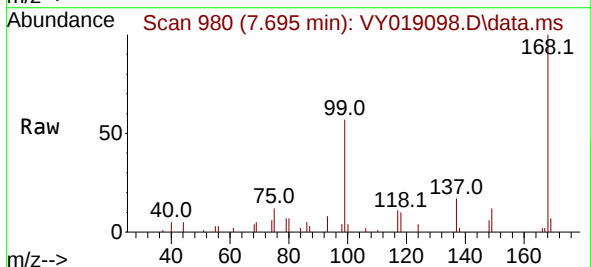
Instrument :
MSVOA_Y
ClientSampleId :

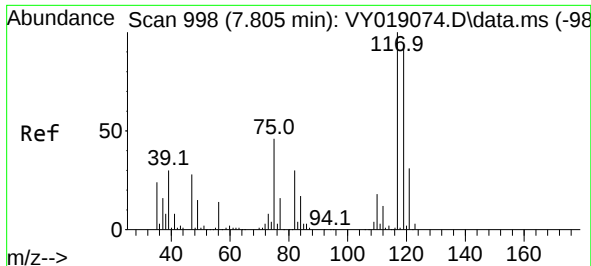
Tgt Ion:113 Resp: 7151
Ion Ratio Lower Upper
113 100
111 99.5 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.926 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

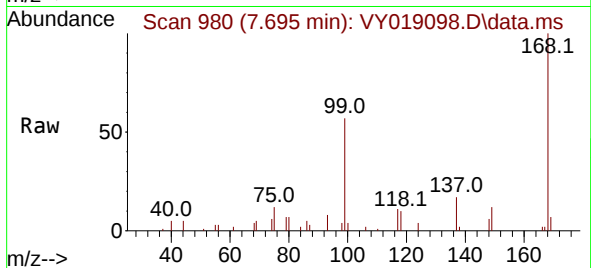
Tgt Ion: 75 Resp: 1404
Ion Ratio Lower Upper
75 100
110 3.4 19.0 57.0#
77 0.0 25.3 37.9#



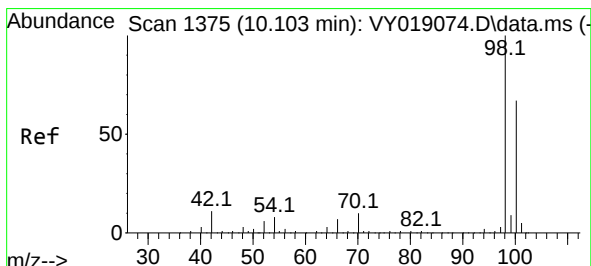
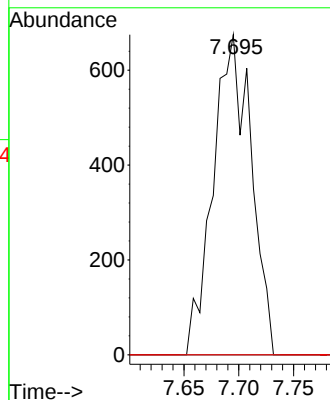
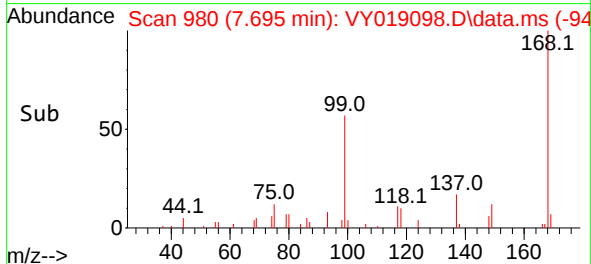


#38
Carbon Tetrachloride
Concen: 6.925 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

Instrument :
MSVOA_Y
ClientSampleId :

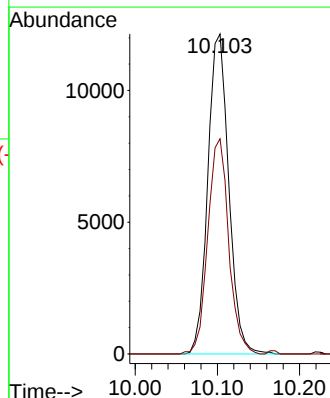
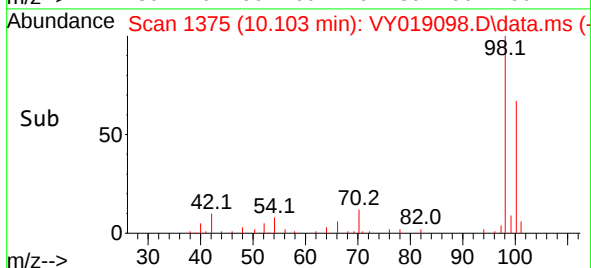
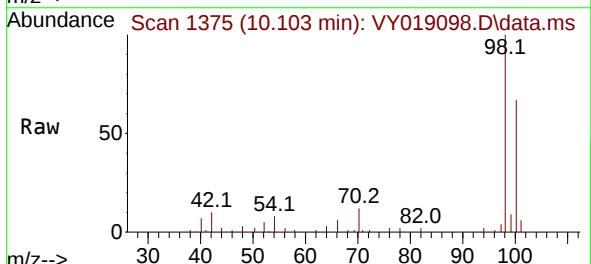


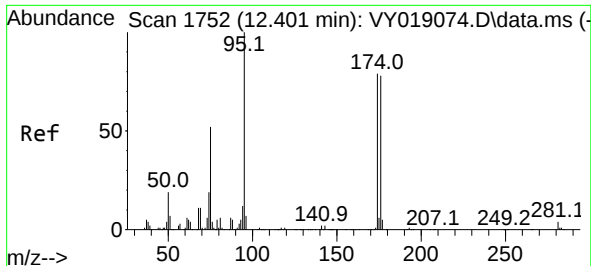
Tgt Ion:117 Resp: 1627
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 40.415 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019098.D
Acq: 16 Aug 2024 17:06

Tgt Ion: 98 Resp: 21471
Ion Ratio Lower Upper
98 100
100 67.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 28.359 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019098.D

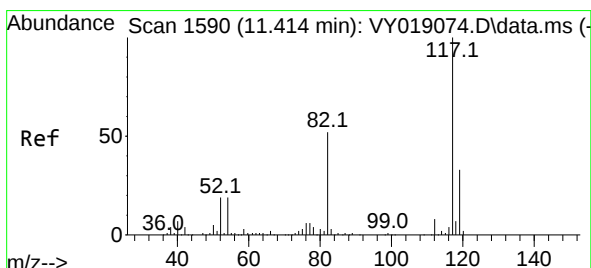
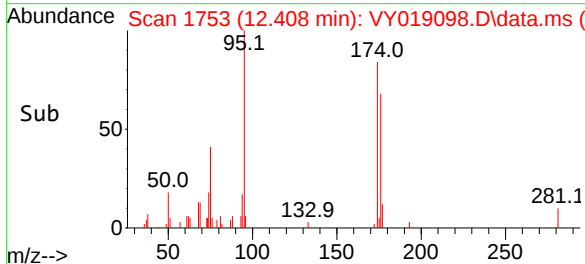
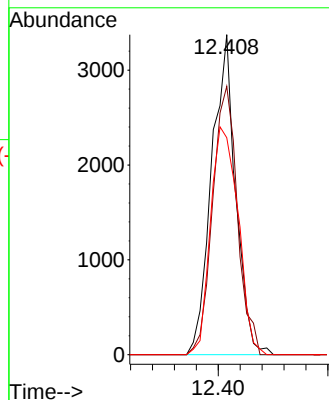
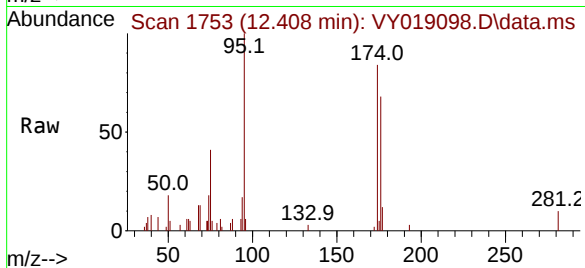
Acq: 16 Aug 2024 17:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	5136
Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	175.6
176	81.7	0.0	171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

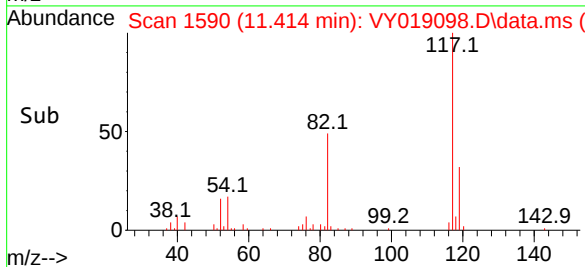
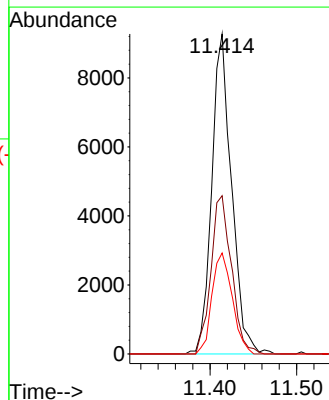
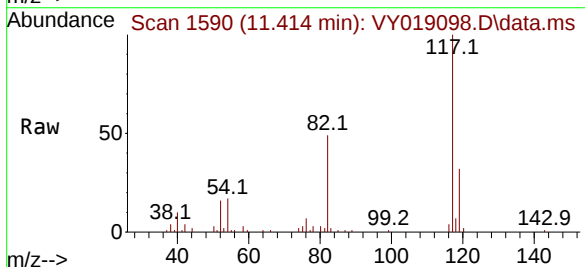
RT: 11.414 min Scan# 1590

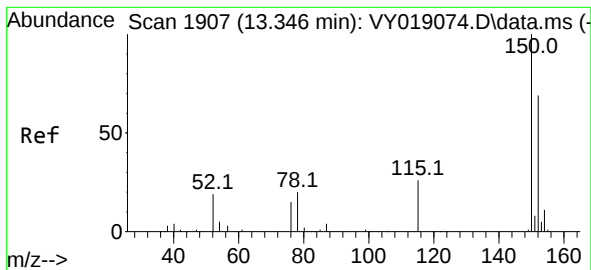
Delta R.T. 0.000 min

Lab File: VY019098.D

Acq: 16 Aug 2024 17:06

Tgt Ion:	117	Resp:	14739
Ion	Ratio	Lower	Upper
117	100		
82	49.5	42.4	63.6
119	31.6	25.9	38.9

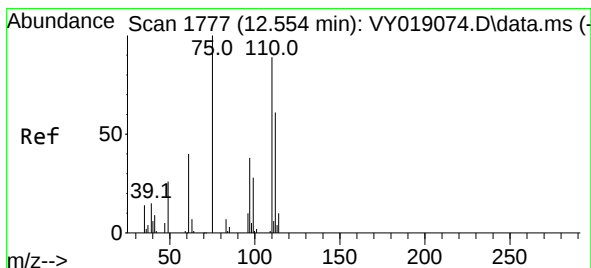
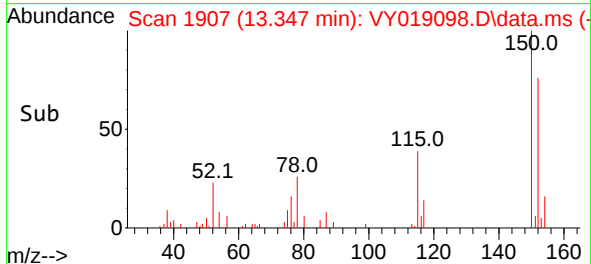
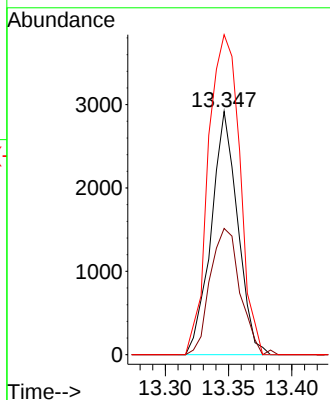
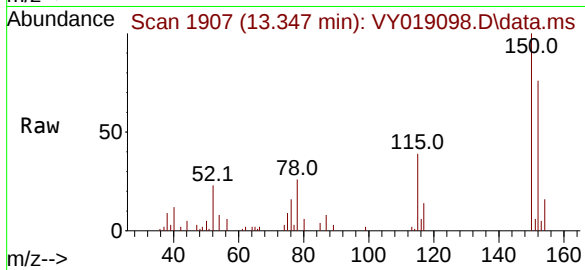




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019098.D
 Acq: 16 Aug 2024 17:06

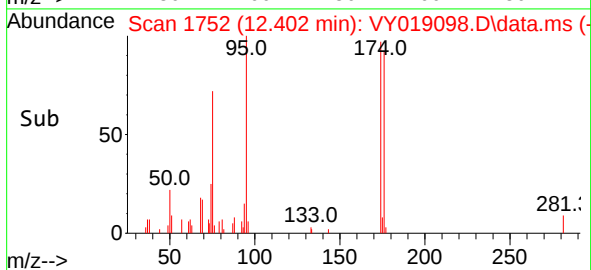
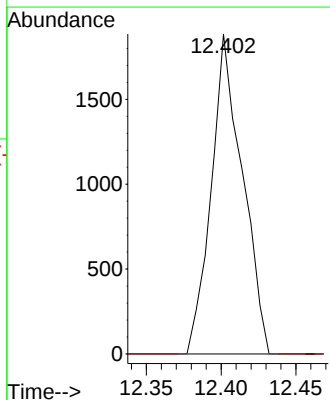
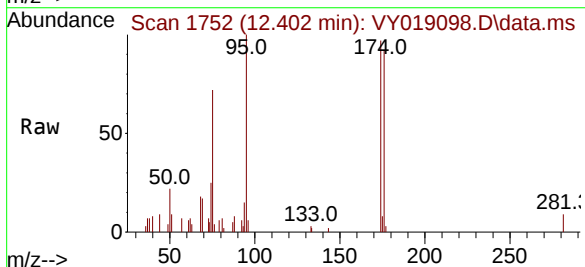
Instrument :
 MSVOA_Y
 ClientSampleId :

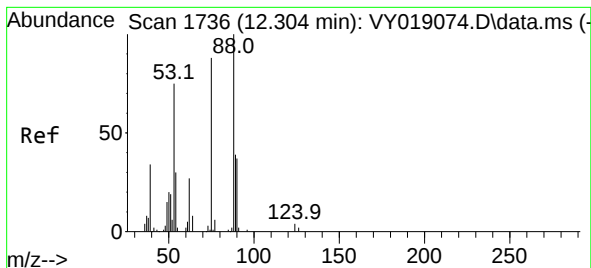
Tgt Ion:152 Resp: 4245
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.2 84.7
 150 155.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 65.093 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY019098.D
 Acq: 16 Aug 2024 17:06

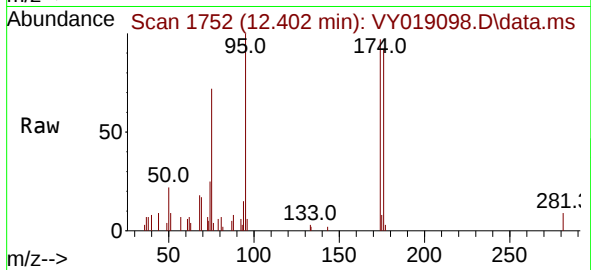
Tgt Ion: 75 Resp: 2725
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.757 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019098.D
 Acq: 16 Aug 2024 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 2725
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

