

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019207.D
 Acq On : 22 Aug 2024 08:09
 Operator : SY/MD
 Sample : P3671-13
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 08:26:57 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	7.701	168	99521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	163825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	119633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	27197	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	51078	51.200	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.400%
35) Dibromofluoromethane	7.628	113	55310	51.634	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.260%
50) Toluene-d8	10.103	98	185410	48.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.408	95	37132	28.257	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	56.520%

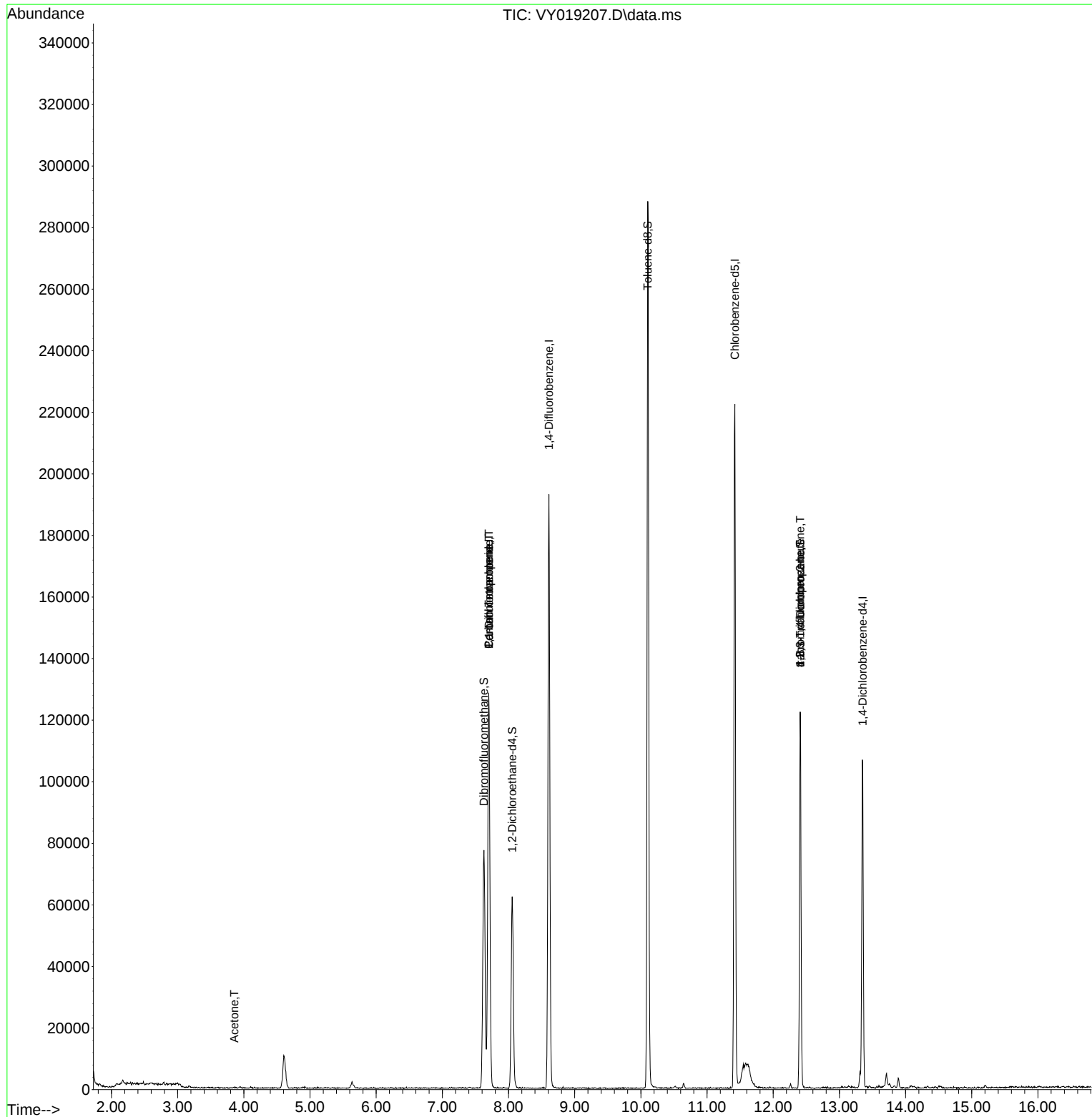
Target Compounds					Qvalue
5) Bromomethane	2.617	94	247	Below Cal	# 41
6) Chloroethane	2.708	64	26	Below Cal	# 42
13) Acrolein	3.513	56	21	Below Cal	# 15
16) Acetone	3.854	43	232	1.254 ug/l	# 36
20) Methylene Chloride	4.616	84	7652	Below Cal	# 80
31) Cyclohexane	7.707	56	2086	Below Cal	# 18
36) 1,1-Dichloropropene	7.701	75	7658	5.206 ug/l	# 50
38) Carbon Tetrachloride	7.701	117	10404	6.103 ug/l	# 16
76) 1,2,3-Trichloropropane	12.408	75	19041	70.992 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	19041	175.327 ug/l	# 16

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

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Response via : Initial Calibration

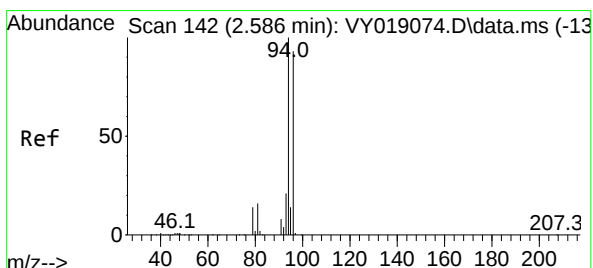
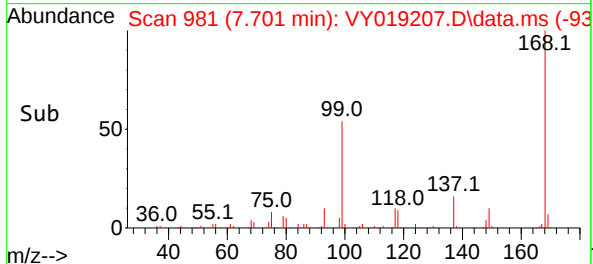
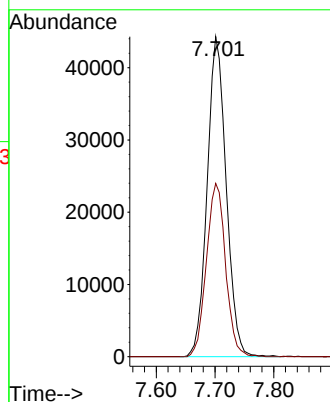
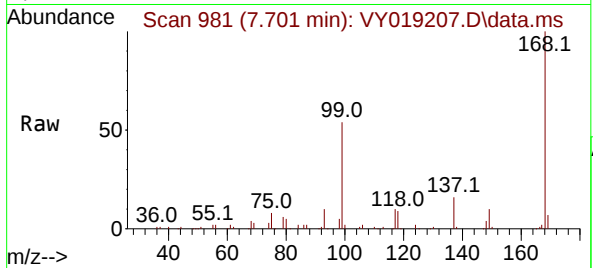




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

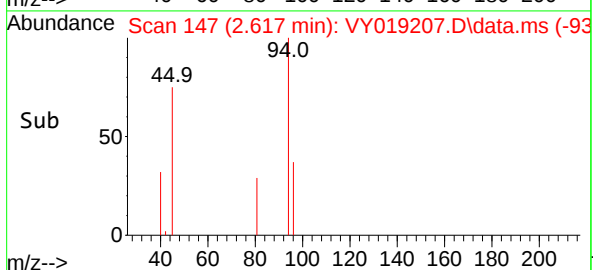
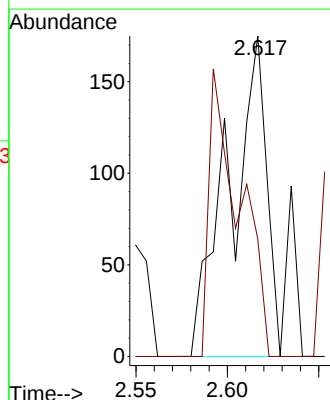
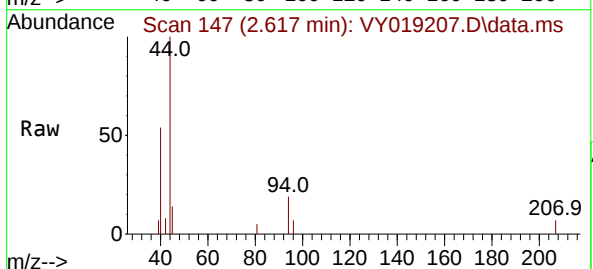
Instrument :
MSVOA_Y
ClientSampleId :

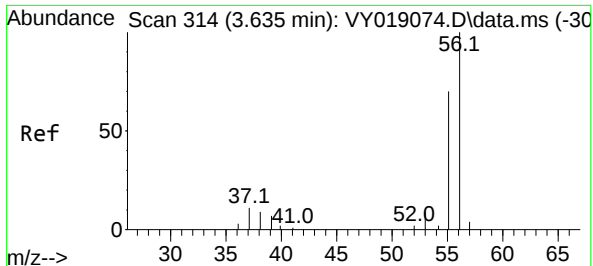
Tgt Ion:168 Resp: 99521
Ion Ratio Lower Upper
168 100
99 54.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.617 min Scan# 147
Delta R.T. 0.031 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

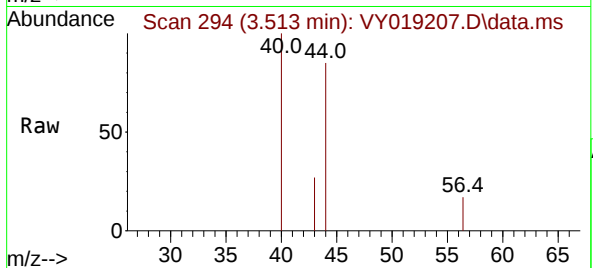
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 36.6 74.1 111.1#



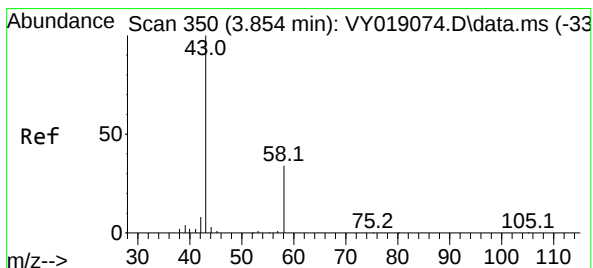
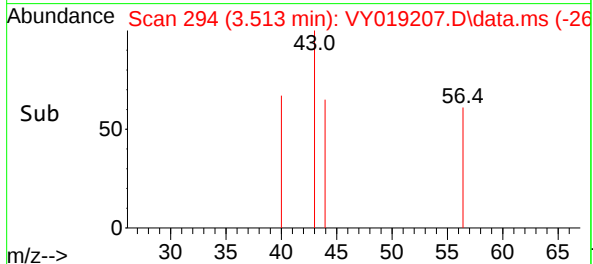
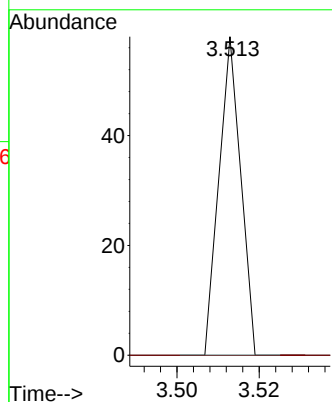


#13
Acrolein
Concen: Below Cal
RT: 3.513 min Scan# 29
Delta R.T. -0.122 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Instrument :
MSVOA_Y
ClientSampleId :

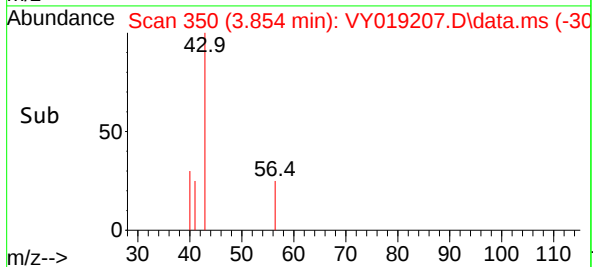
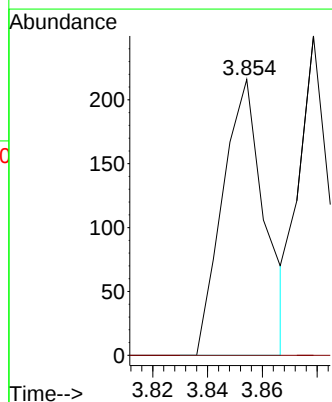
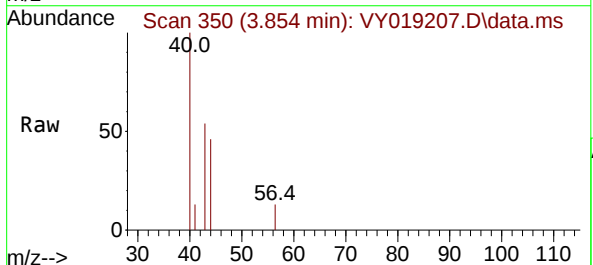


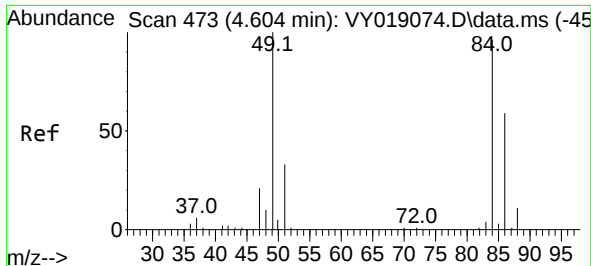
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 1.254 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 41

Delta R.T. 0.012 min

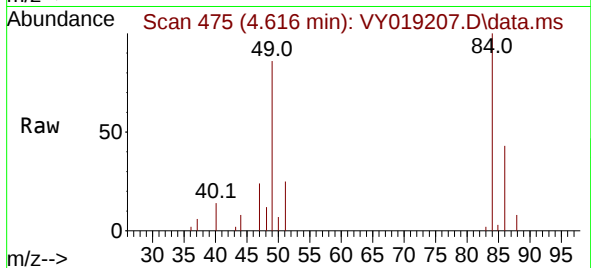
Lab File: VY019207.D

Acq: 22 Aug 2024 08:09

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 7652

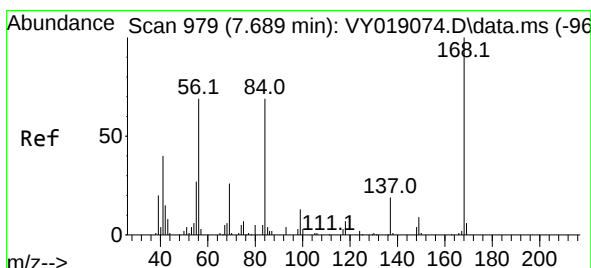
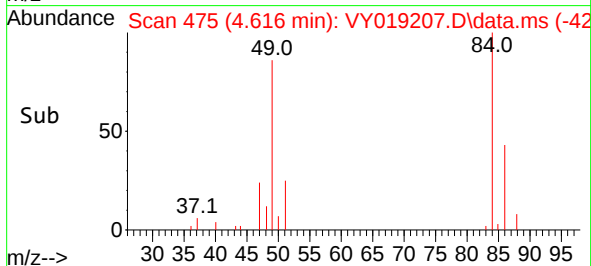
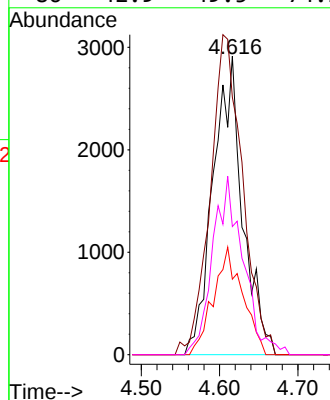
Ion Ratio Lower Upper

84 100

49 86.3 84.4 126.6

51 25.3 26.0 39.0#

86 42.9 49.5 74.3#



#31

Cyclohexane

Concen: Below Cal

RT: 7.707 min Scan# 982

Delta R.T. 0.018 min

Lab File: VY019207.D

Acq: 22 Aug 2024 08:09

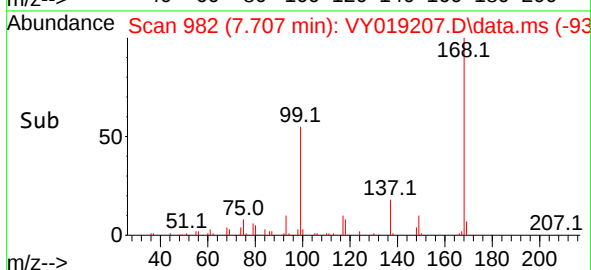
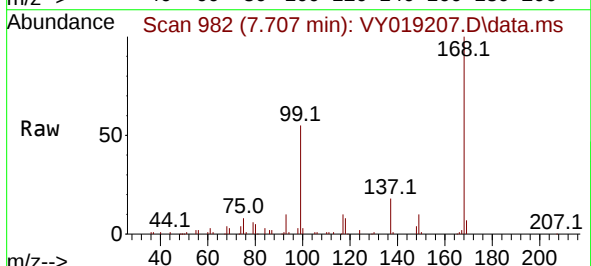
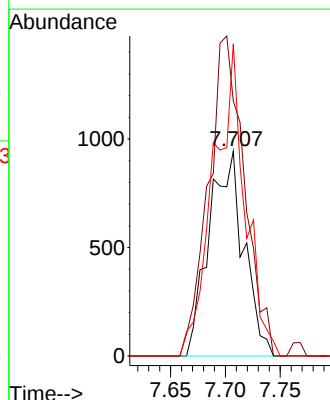
Tgt Ion: 56 Resp: 2086

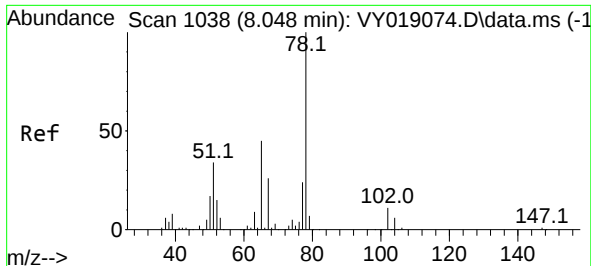
Ion Ratio Lower Upper

56 100

69 124.4 28.7 43.1#

84 152.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.200 ug/l

RT: 8.055 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VY019207.D

Acq: 22 Aug 2024 08:09

Instrument :

MSVOA_Y

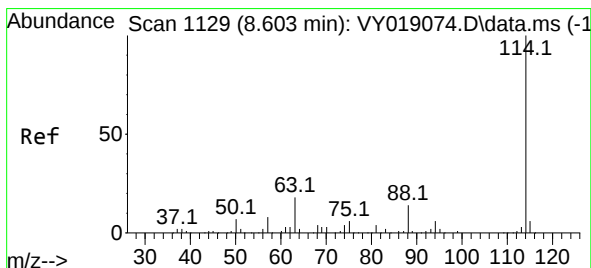
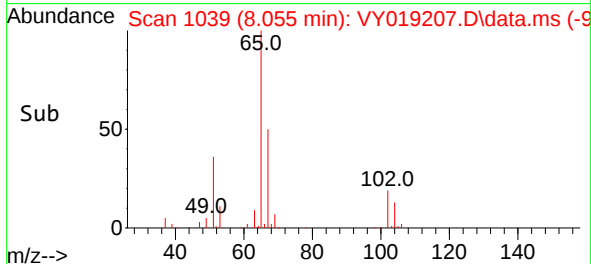
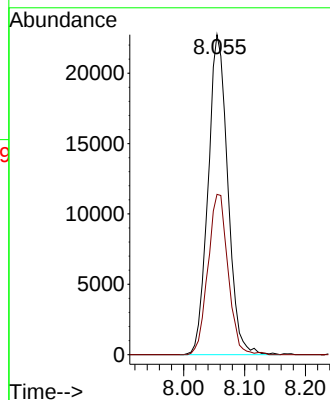
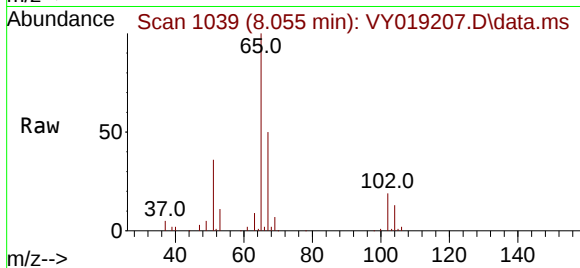
ClientSampleId :

Tgt Ion: 65 Resp: 51078

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019207.D

Acq: 22 Aug 2024 08:09

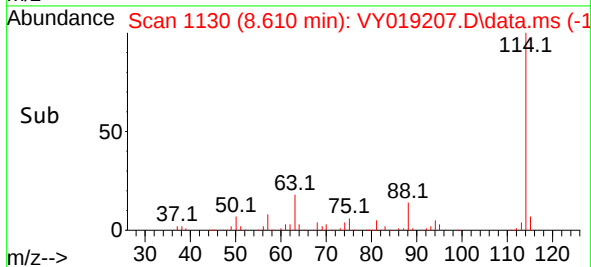
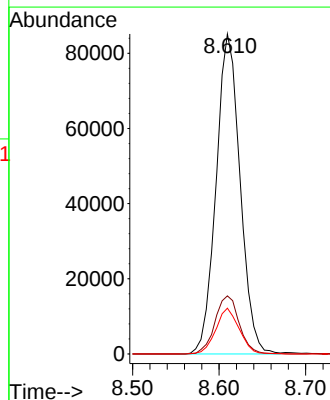
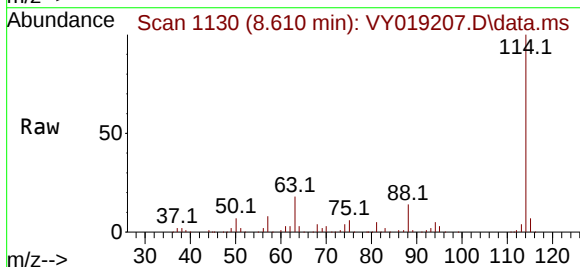
Tgt Ion: 114 Resp: 163825

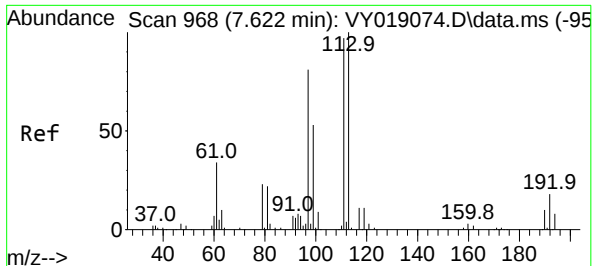
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.3 0.0 27.2

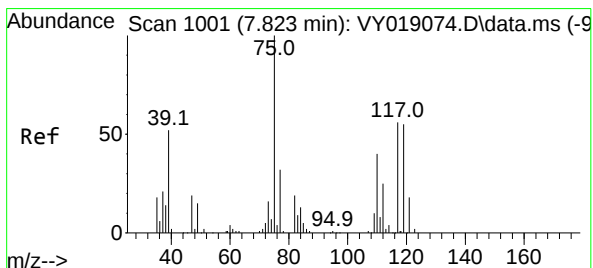
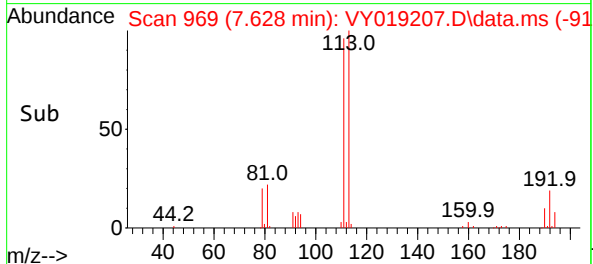
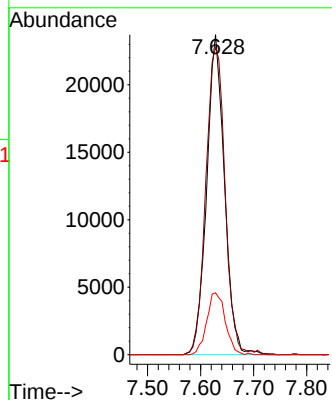
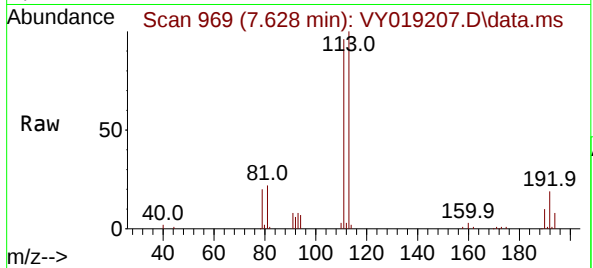




#35
Dibromofluoromethane
Concen: 51.634 ug/l
RT: 7.628 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

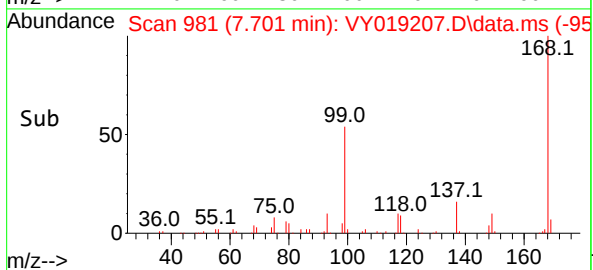
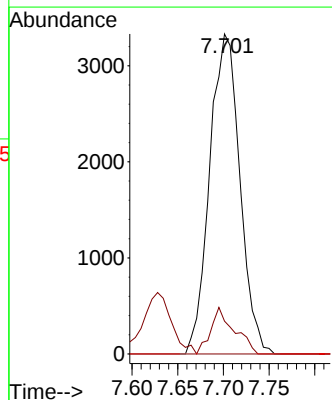
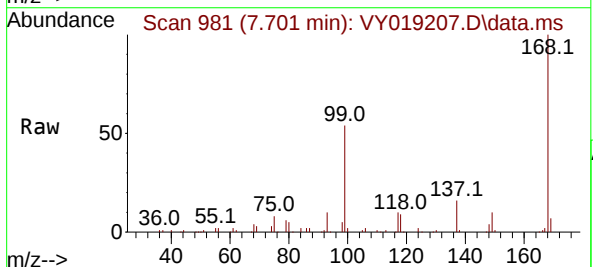
Instrument :
MSVOA_Y
ClientSampleId :

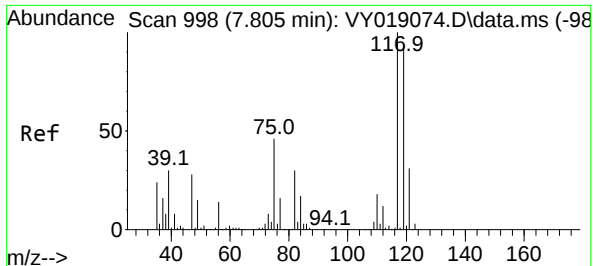
Tgt Ion:113 Resp: 55310
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 20.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

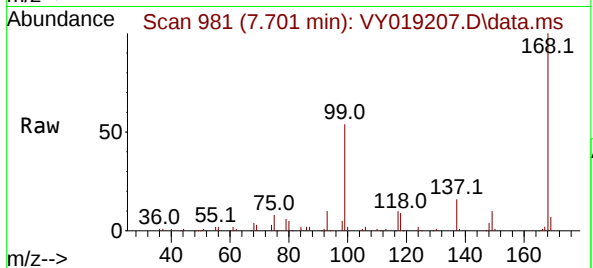
Tgt Ion: 75 Resp: 7658
Ion Ratio Lower Upper
75 100
110 11.3 19.0 57.0#
77 0.0 25.3 37.9#



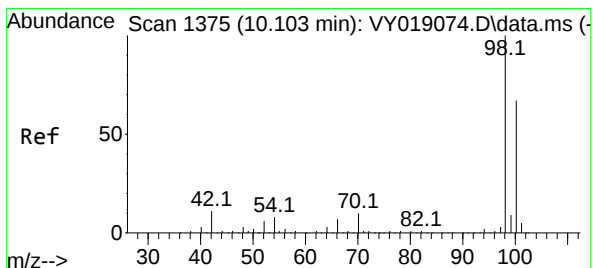
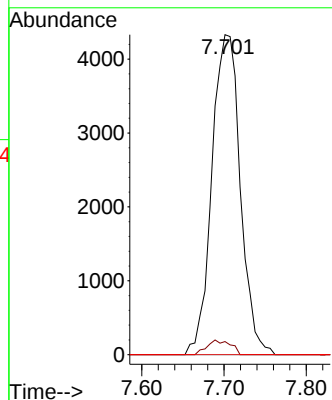
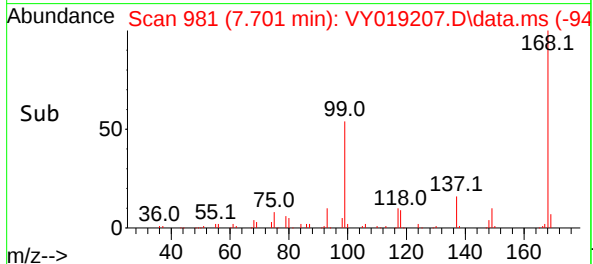


#38
Carbon Tetrachloride
Concen: 6.103 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Instrument :
MSVOA_Y
ClientSampleId :

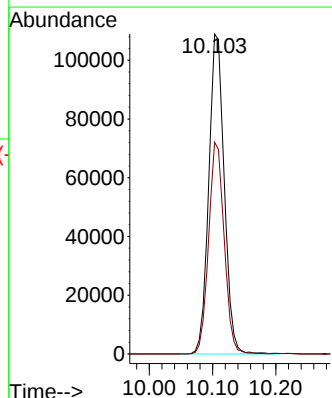
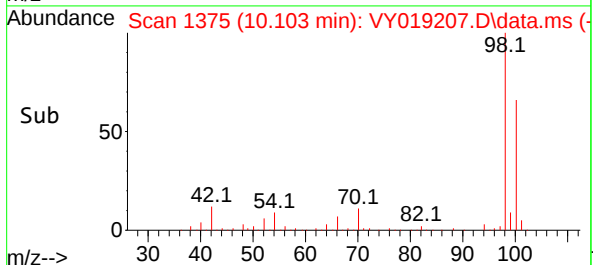
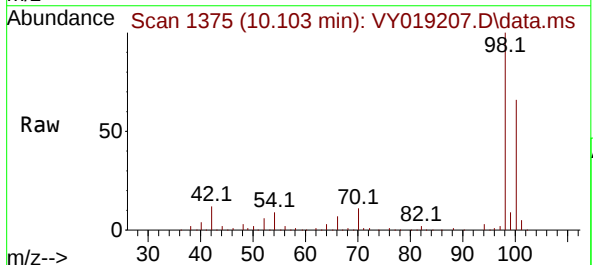


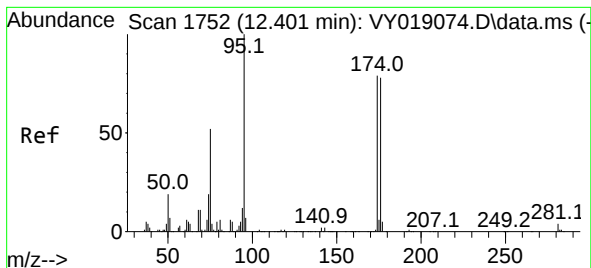
Tgt Ion:117 Resp: 10404
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.098 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Tgt Ion: 98 Resp: 185410
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0

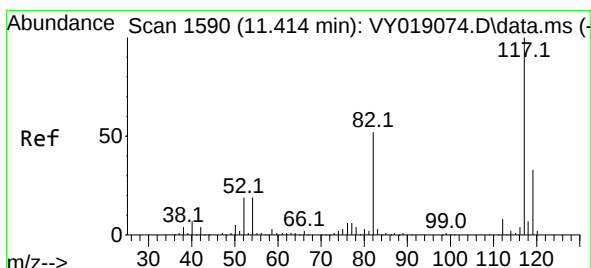
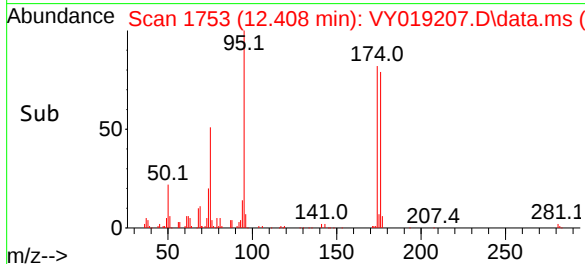
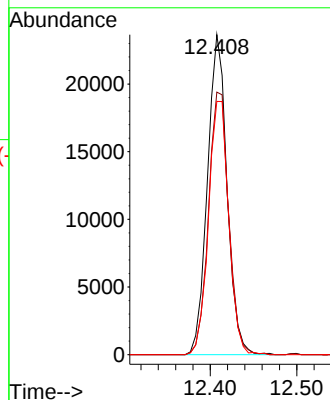
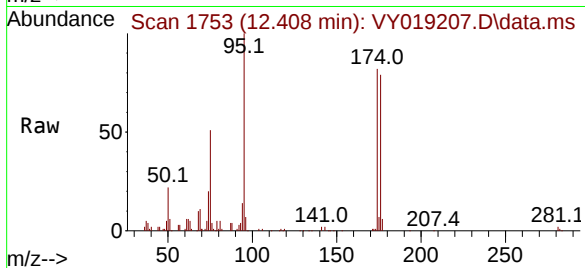




#62
4-Bromofluorobenzene
Concen: 28.257 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

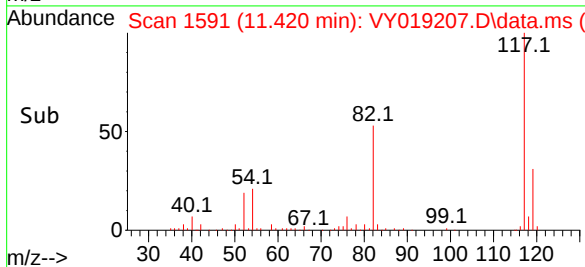
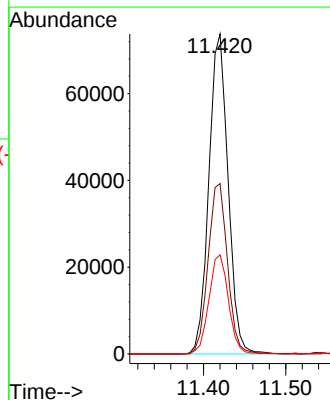
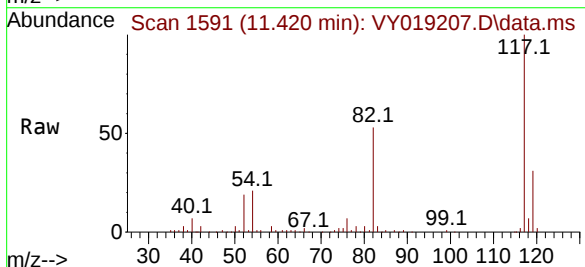
Instrument :
MSVOA_Y
ClientSampleId :

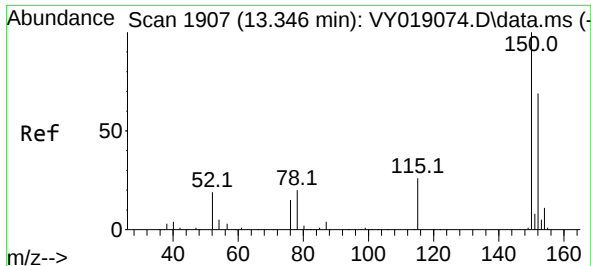
Tgt Ion: 95 Resp: 37132
Ion Ratio Lower Upper
95 100
174 84.7 0.0 175.6
176 81.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Tgt Ion: 117 Resp: 119633
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 31.0 25.9 38.9

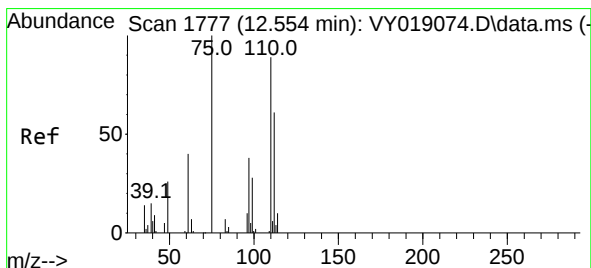
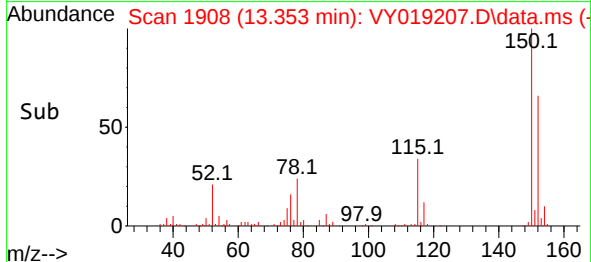
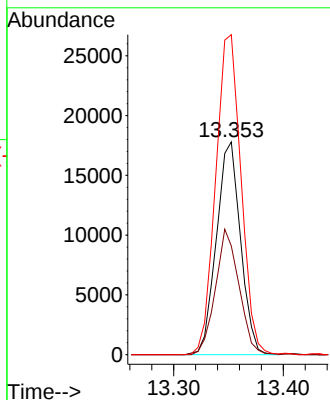
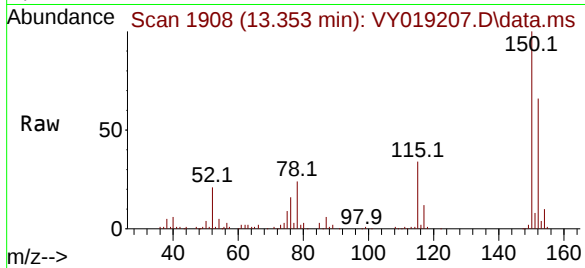




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY019207.D
 Acq: 22 Aug 2024 08:09

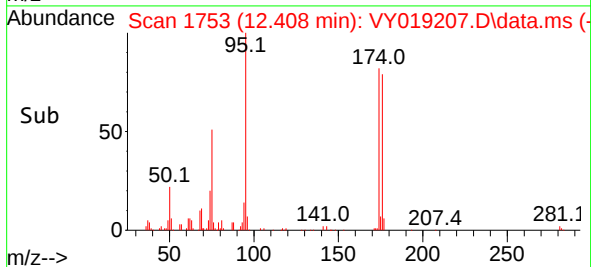
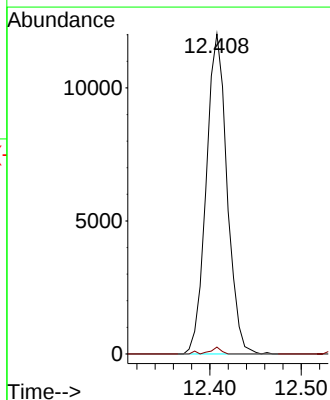
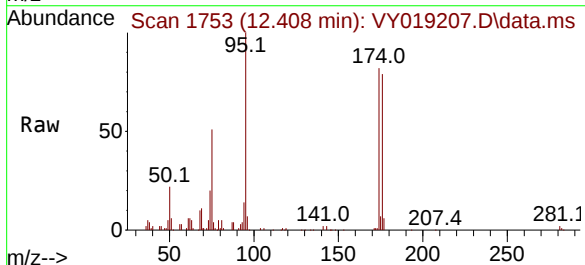
Instrument :
 MSVOA_Y
 ClientSampleId :

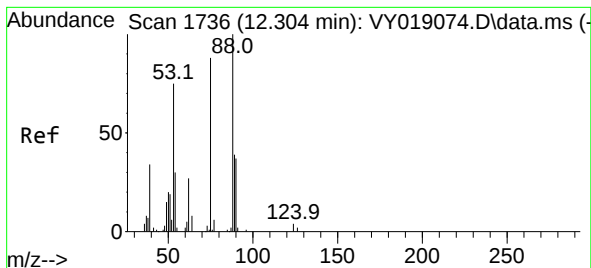
Tgt Ion:152 Resp: 27197
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.2 84.7
 150 158.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 70.992 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY019207.D
 Acq: 22 Aug 2024 08:09

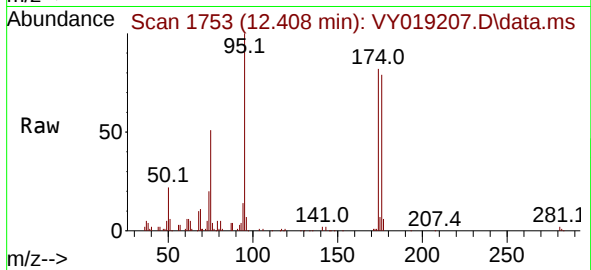
Tgt Ion: 75 Resp: 19041
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 175.327 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019207.D
Acq: 22 Aug 2024 08:09

Instrument :
MSVOA_Y
ClientSampleId :



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

