

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002532.D
 Acq On : 04 May 2020 11:57
 Operator : SY/MD
 Sample : L2444-02RE
 Misc : 8.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 04 14:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	311501	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	500009	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	429281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177591	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	156751	59.85	ug/l	-0.01
Spiked Amount			Recovery	=	119.70%	
35) Dibromofluoromethane	7.73	113	153987	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
50) Toluene-d8	10.18	98	576342	51.61	ug/l	-0.01
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.48	95	170705	45.05	ug/l	-0.01
Spiked Amount			Recovery	=	90.10%	

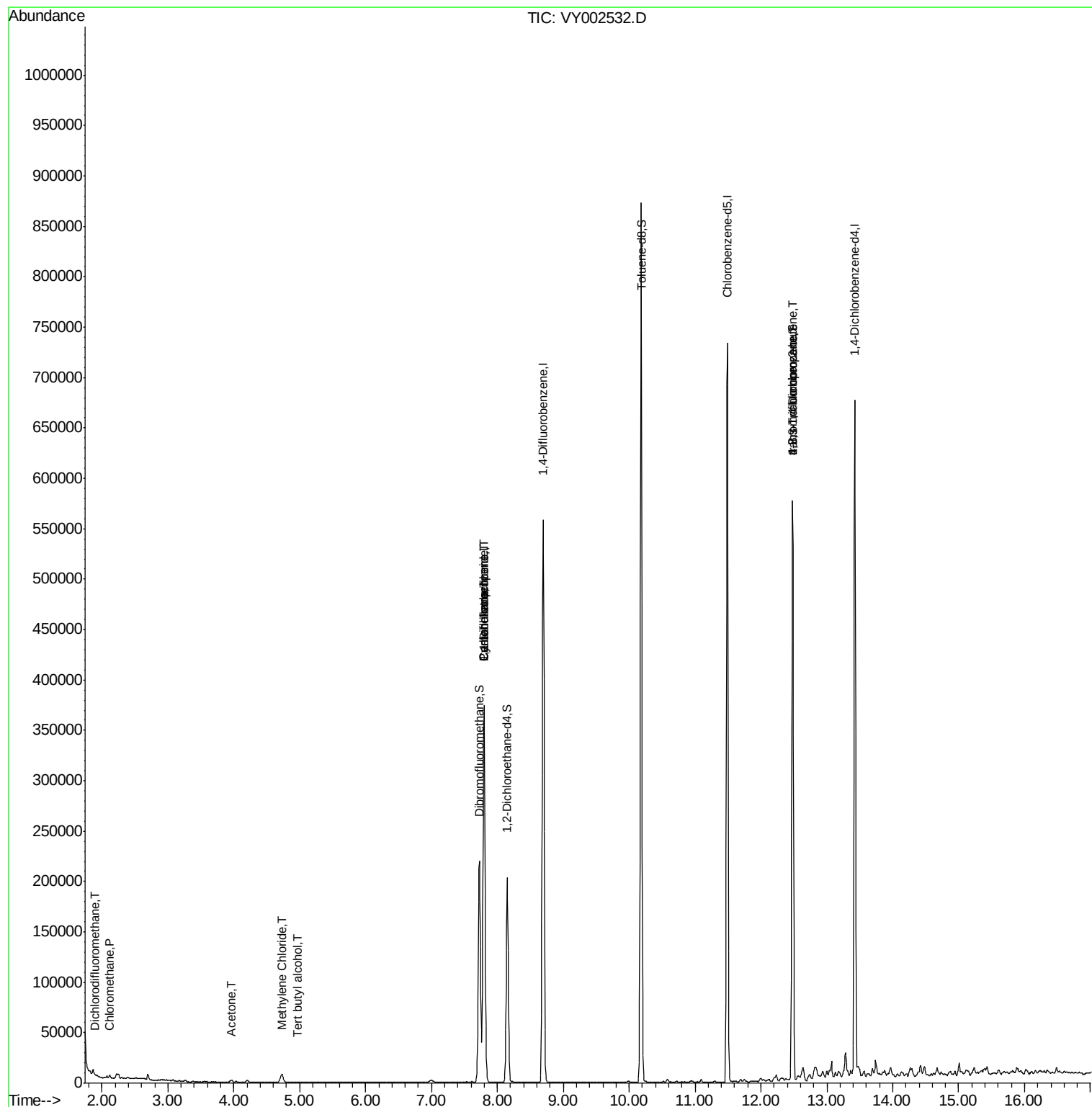
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	125	1.831	ug/l #	43
3) Chloromethane	2.12	50	2658	1.053	ug/l #	84
11) Tert butyl alcohol	4.96	59	596	2.212	ug/l #	74
16) Acetone	3.95	43	3809	7.047	ug/l	98
20) Methylene Chloride	4.72	84	6460	2.137	ug/l	92
31) Cyclohexane	7.80	56	5021	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19786	4.720	ug/l #	50
38) Carbon Tetrachloride	7.80	117	28096	6.140	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	84595	53.602	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84595	107.483	ug/l #	16

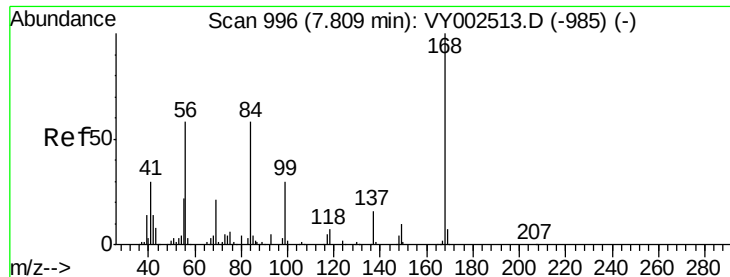
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

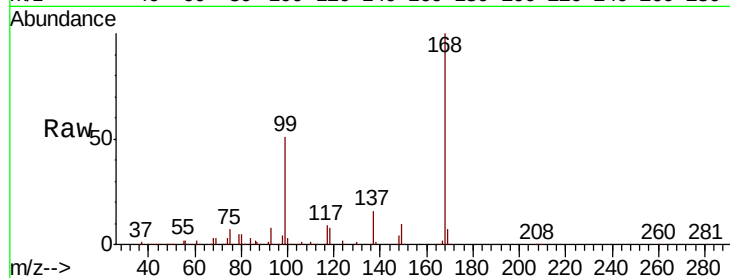
ClientSampleId :

Tot Ion:168 Resp: 311501

Ion Ratio Lower Upper

168 100

99 50.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

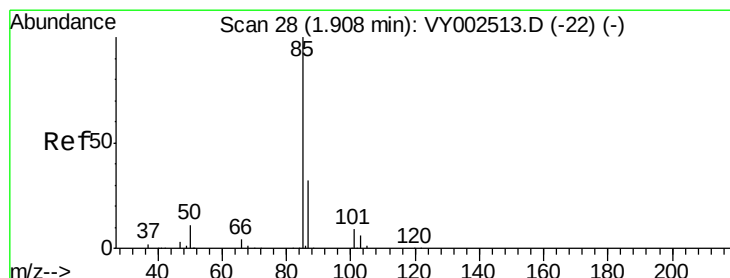
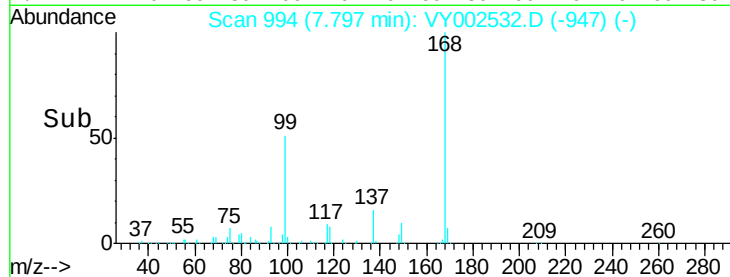
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.831 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002532.D

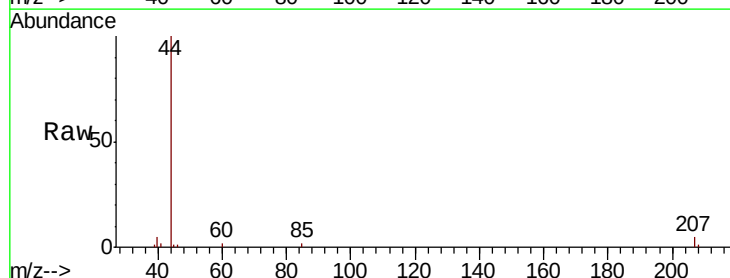
Acq: 04 May 2020 11:57

Tgt Ion: 85 Resp: 125

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

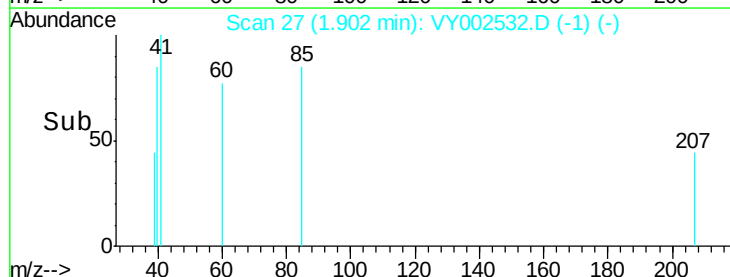
1.90

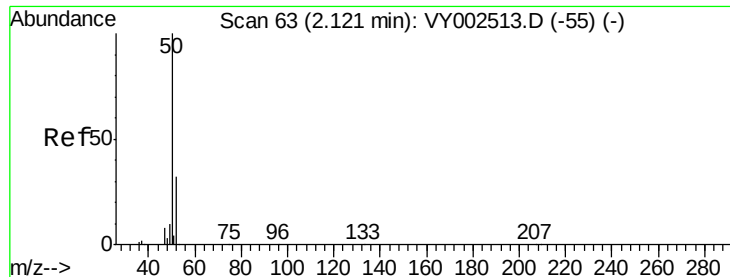
100

50

0

Time-->





#3

Chloromethane

Concen: 1.053 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

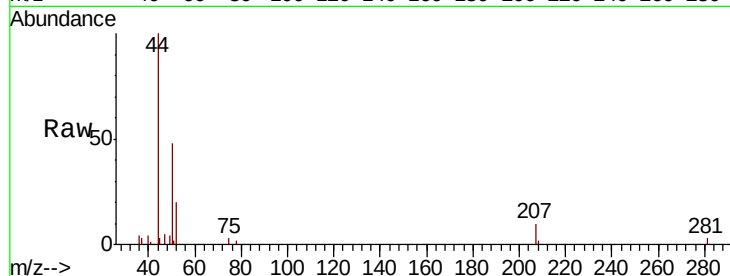
ClientSampleId :

Tot Ion: 50 Resp: 2658

Ion Ratio Lower Upper

50 100

52 41.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

2000

1500

1000

500

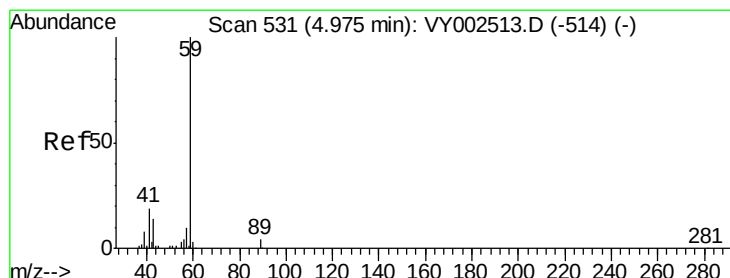
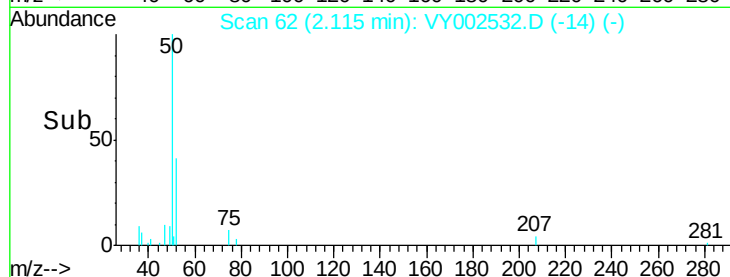
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Time-->

2.05

2.10

2.15



#11

Tert butyl alcohol

Concen: 2.212 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002532.D

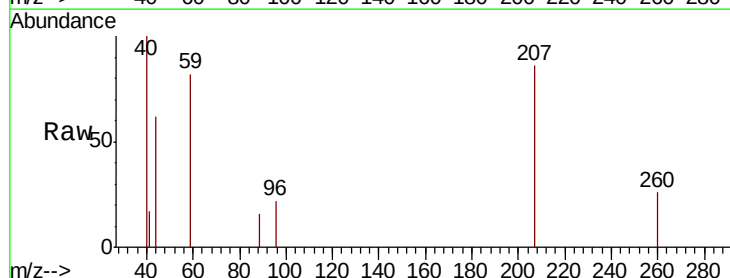
Acq: 04 May 2020 11:57

Tgt Ion: 59 Resp: 596

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

300

250

200

150

100

50

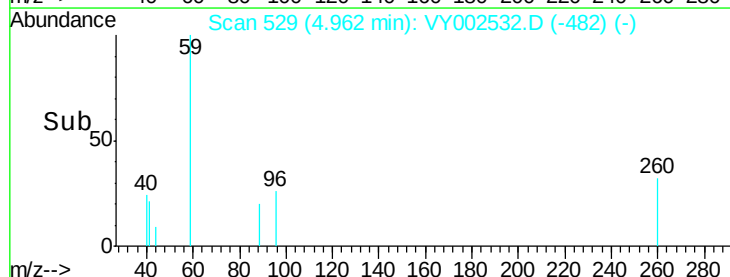
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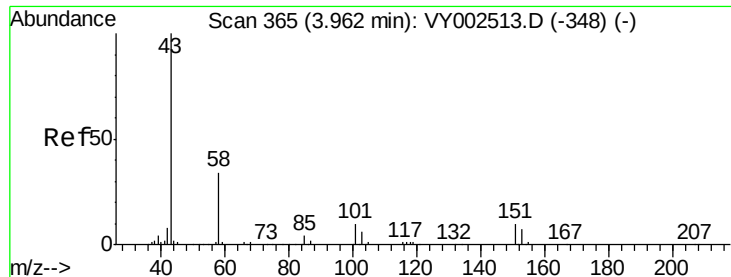
Time-->

4.90

4.95

5.00





#16

Acetone

Concen: 7.047 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

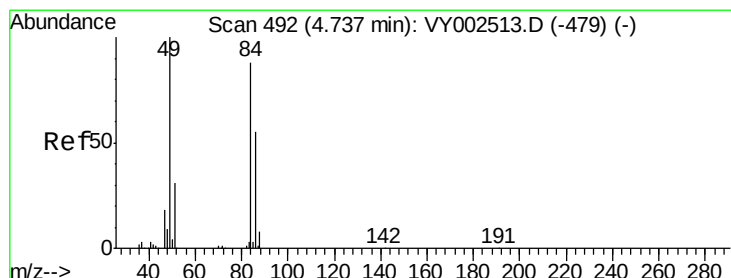
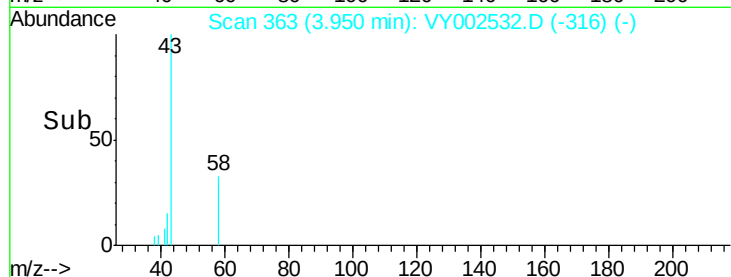
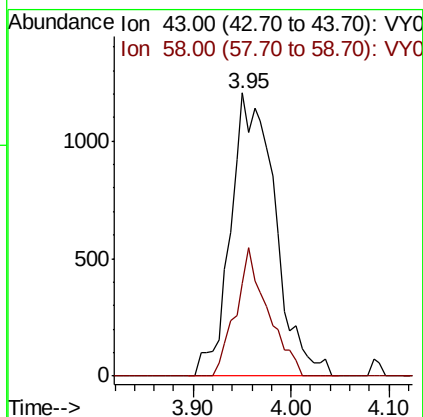
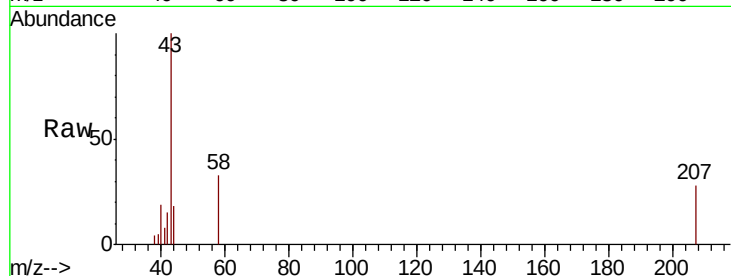
ClientSampleId :

Tot Ion: 43 Resp: 3809

Ion Ratio Lower Upper

43 100

58 32.7 26.9 40.3



#20

Methylene Chloride

Concen: 2.137 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.02 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Tgt Ion: 84 Resp: 6460

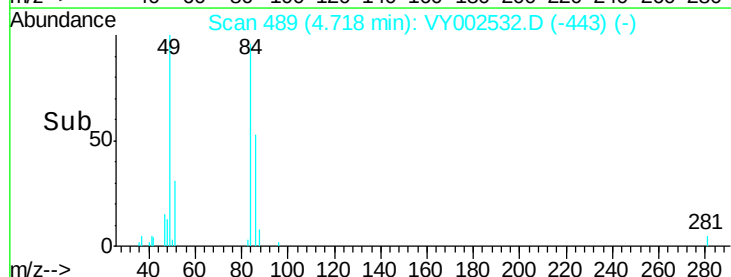
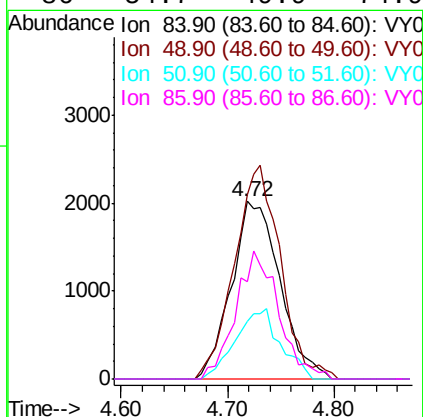
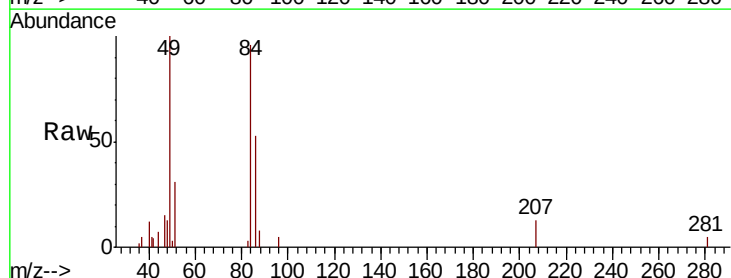
Ion Ratio Lower Upper

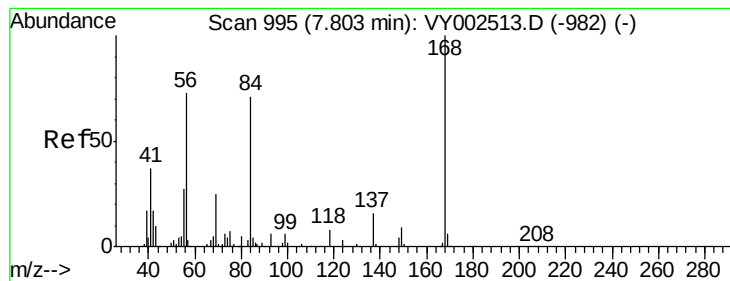
84 100

49 103.9 90.5 135.7

51 32.5 28.3 42.5

86 54.7 49.9 74.9





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :
MSVOA_Y
ClientSampled :

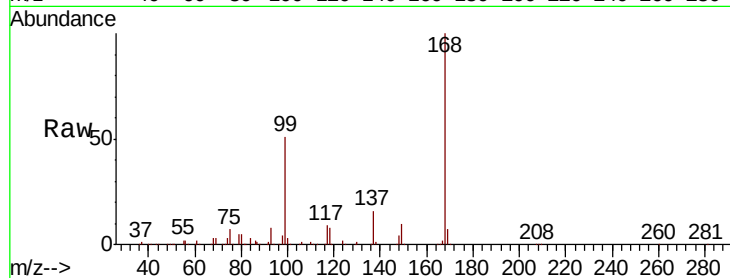
Tot Ion: 56 Resp: 5021

Ion Ratio Lower Upper

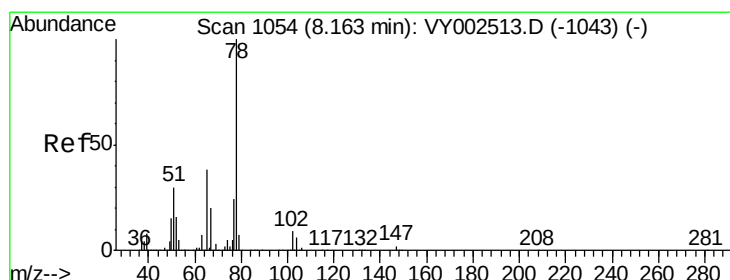
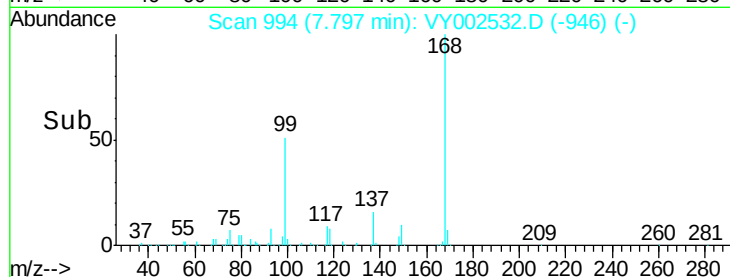
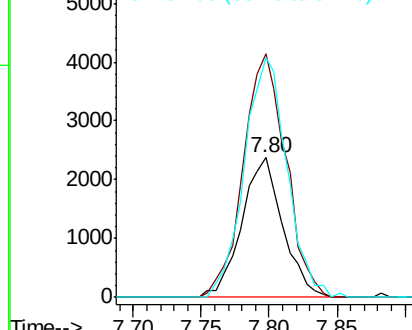
56 100

69 174.6 27.6 41.4#

84 172.2 77.7 116.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 59.848 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002532.D

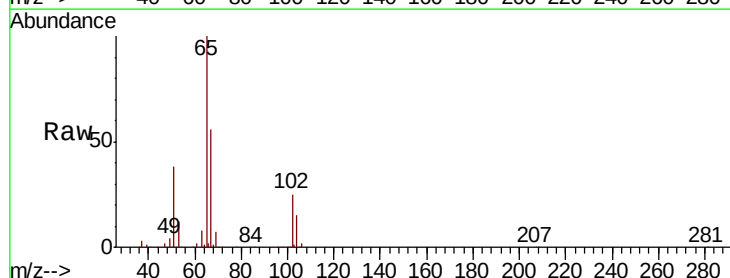
Acq: 04 May 2020 11:57

Tgt Ion: 65 Resp: 156751

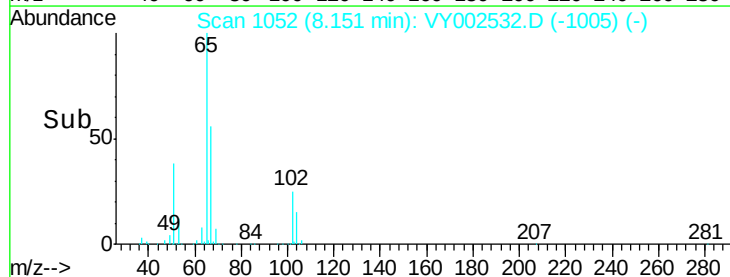
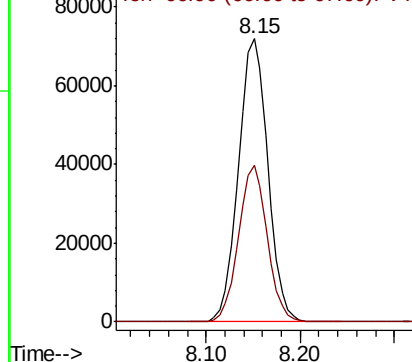
Ion Ratio Lower Upper

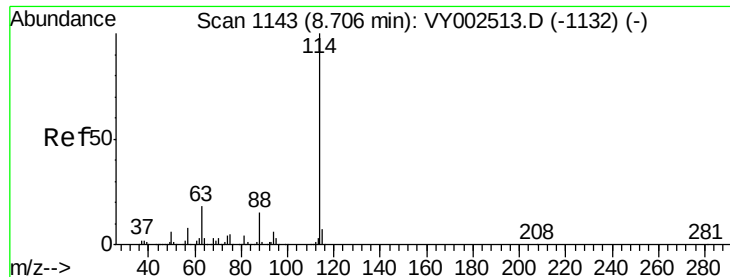
65 100

67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

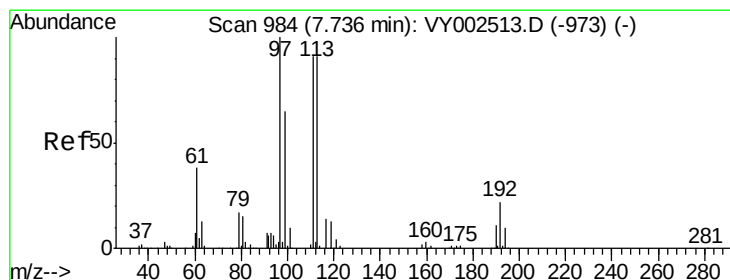
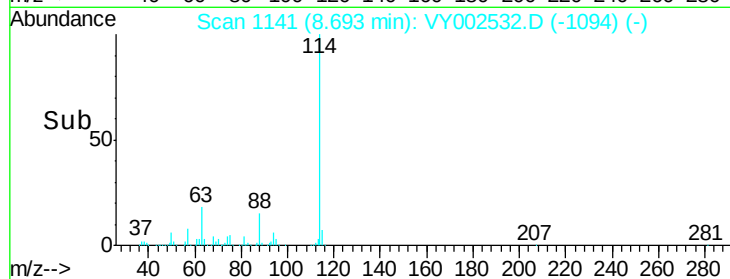
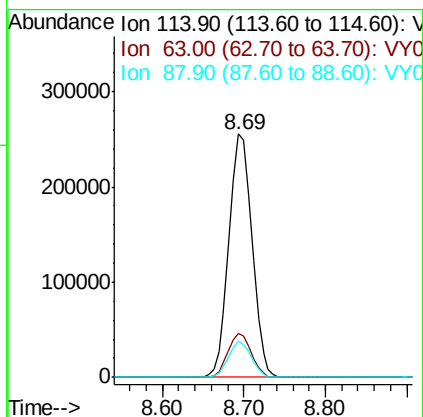
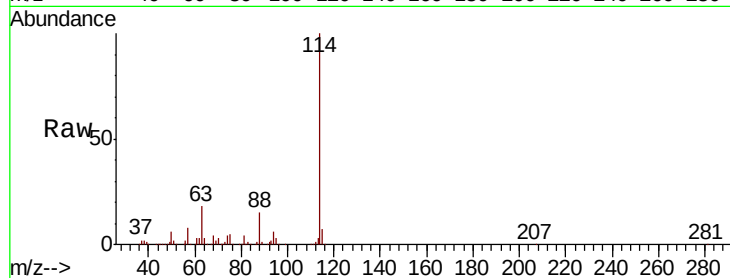




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002532.D
 Acq: 04 May 2020 11:57

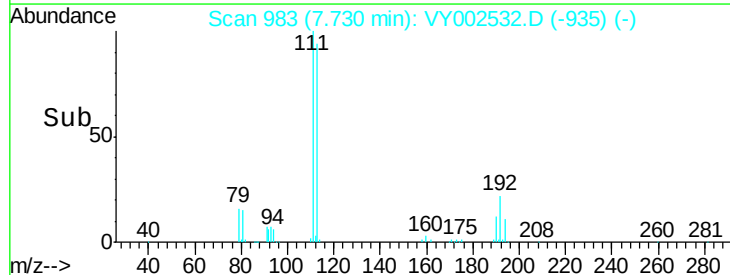
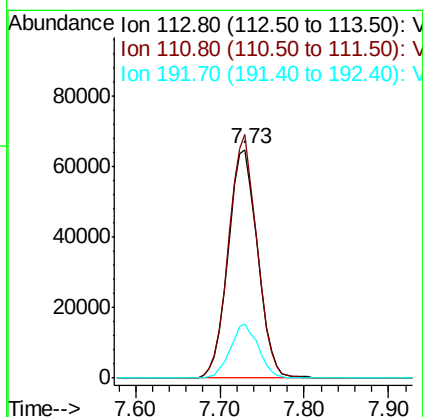
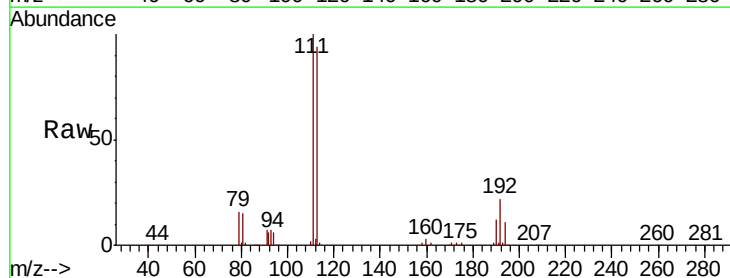
Instrument :
 MSVOA_Y
 ClientSampleId :

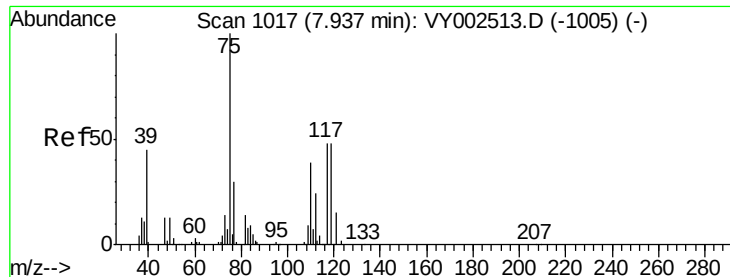
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.4
88	14.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 53.850 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002532.D
 Acq: 04 May 2020 11:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.5	18.2	27.4





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

ClientSampleId :

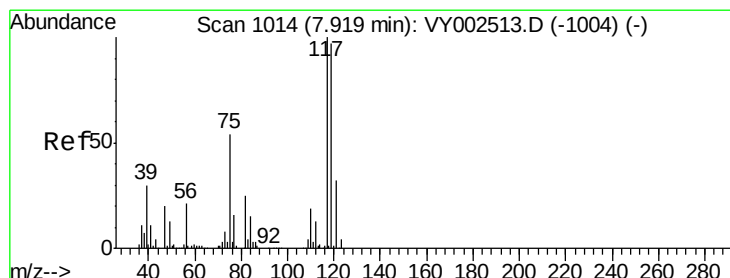
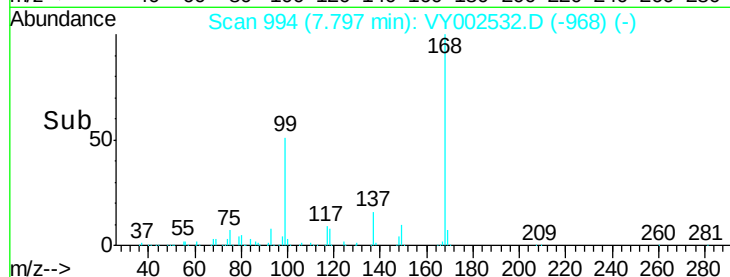
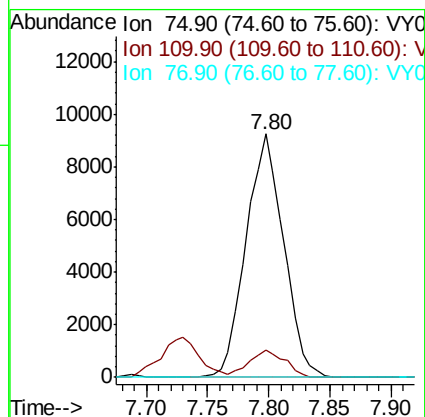
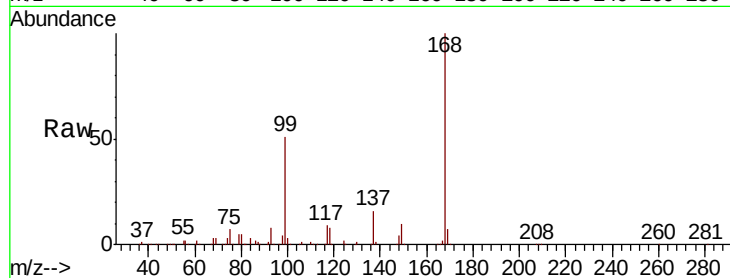
Tot Ion: 75 Resp: 19786

Ion Ratio Lower Upper

75 100

110 10.6 19.1 57.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.140 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

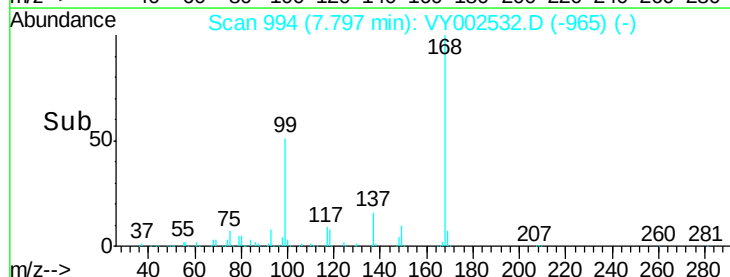
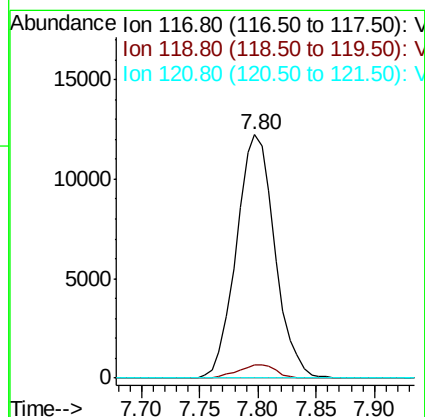
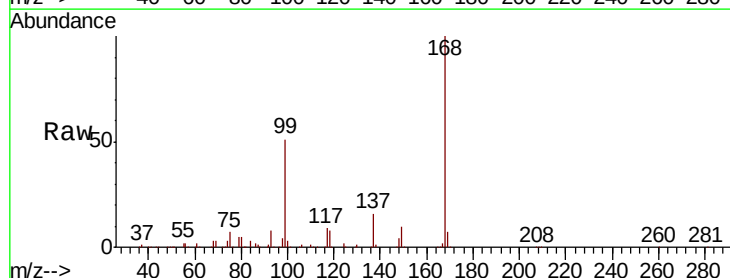
Tgt Ion: 117 Resp: 28096

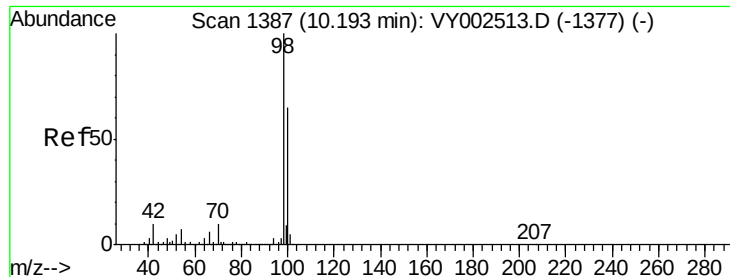
Ion Ratio Lower Upper

117 100

119 5.2 77.1 115.7#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 51.611 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

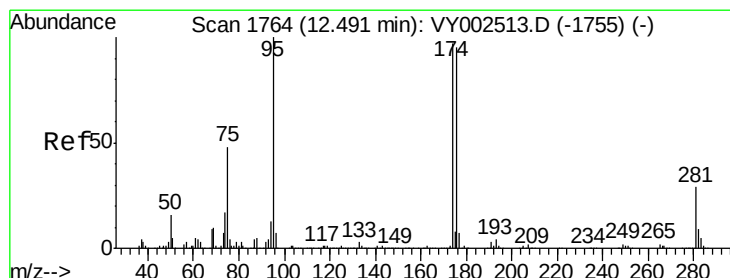
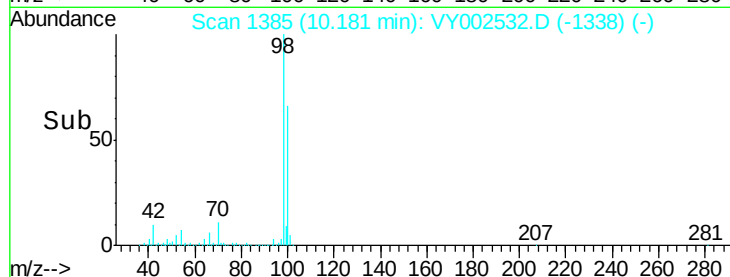
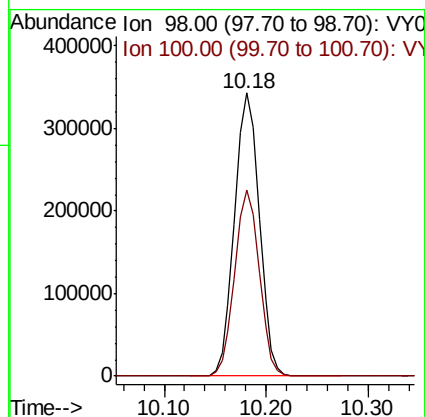
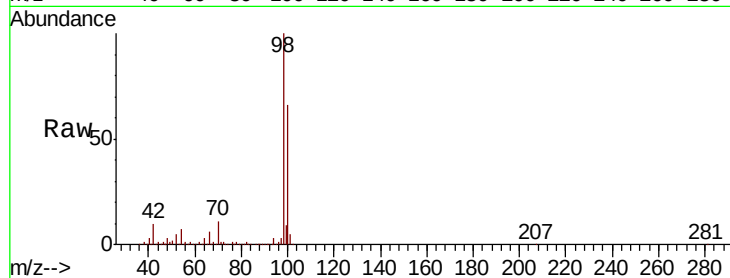
ClientSampleId :

Tot Ion: 98 Resp: 576342

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.050 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

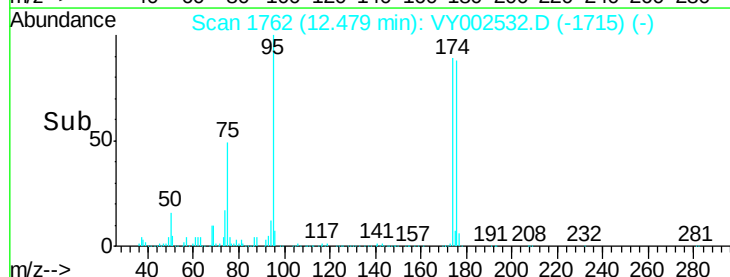
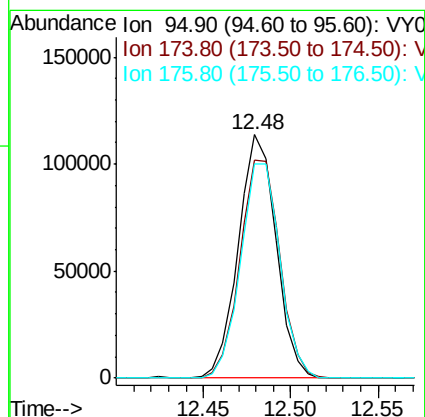
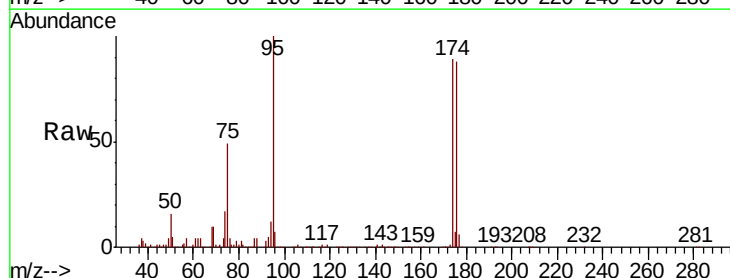
Tgt Ion: 95 Resp: 170705

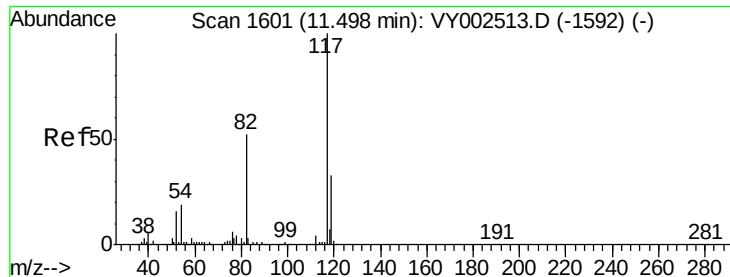
Ion Ratio Lower Upper

95 100

174 94.5 0.0 188.8

176 92.0 0.0 183.2

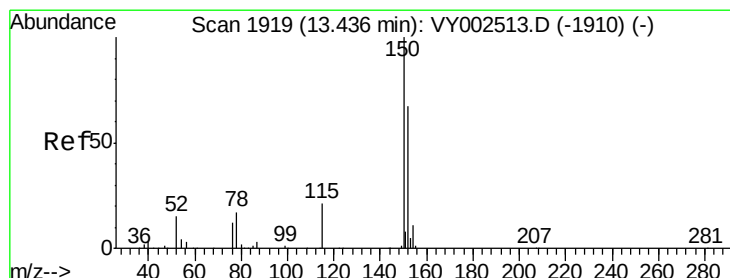
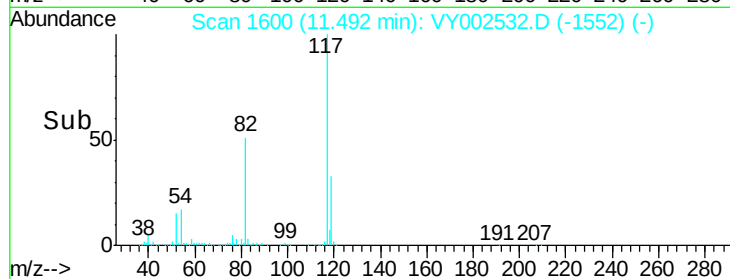
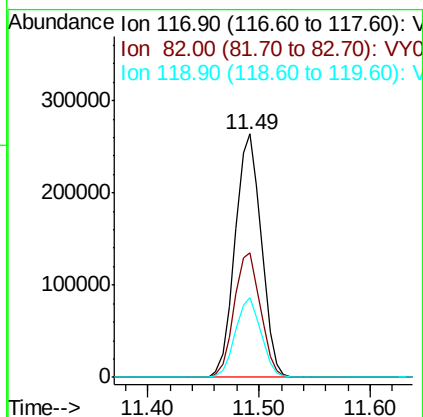
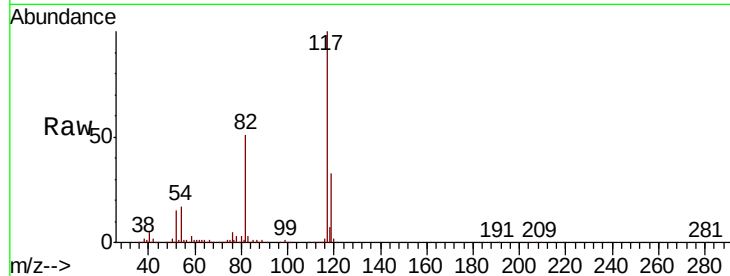




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002532.D
Acq: 04 May 2020 11:57

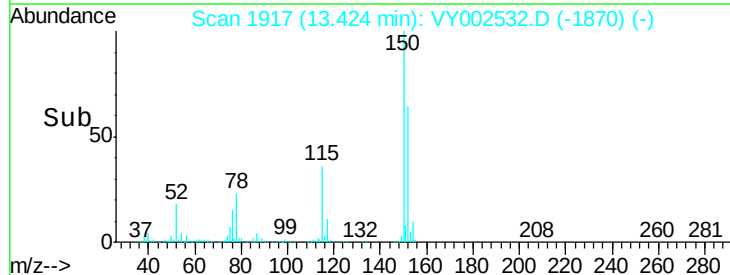
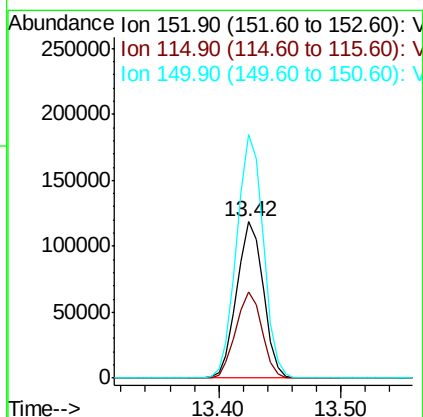
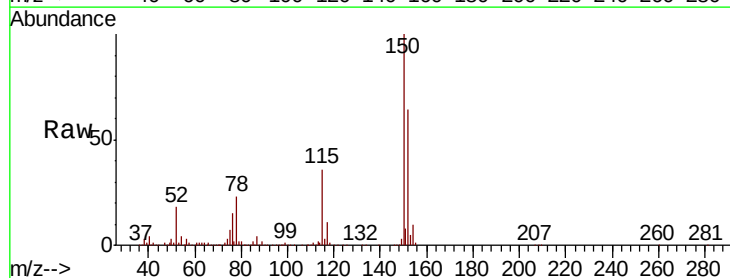
Instrument :
MSVOA_Y
ClientSampleId :

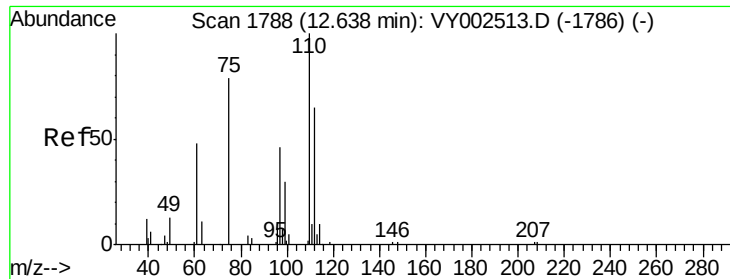
Tot Ion:117 Resp: 429281
Ion Ratio Lower Upper
117 100
82 50.9 41.3 61.9
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002532.D
Acq: 04 May 2020 11:57

Tgt Ion:152 Resp: 177591
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.4
150 156.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 53.602 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

Instrument :

MSVOA_Y

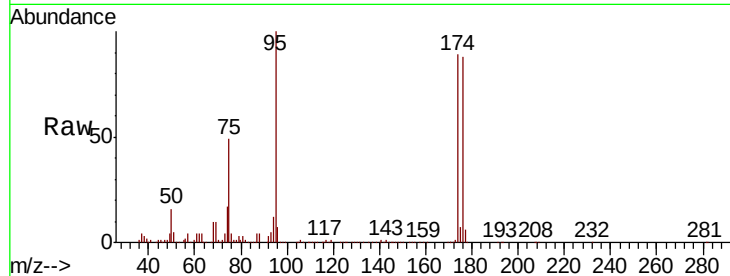
ClientSampleId :

Tot Ion: 75 Resp: 84595

Ion Ratio Lower Upper

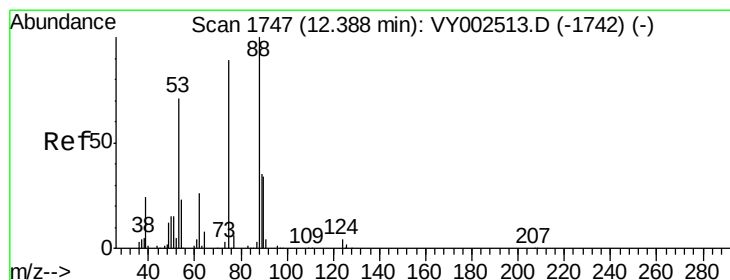
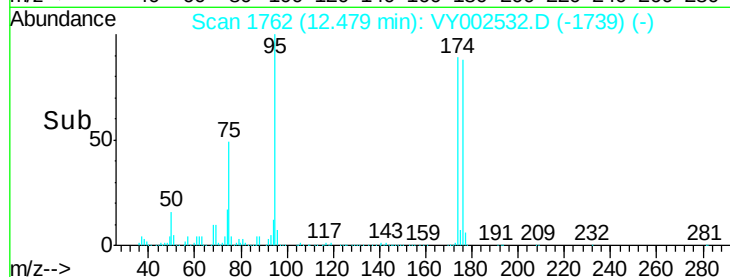
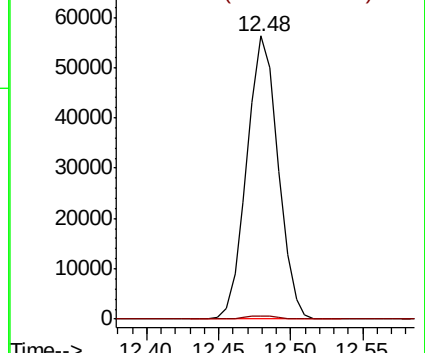
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 107.483 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002532.D

Acq: 04 May 2020 11:57

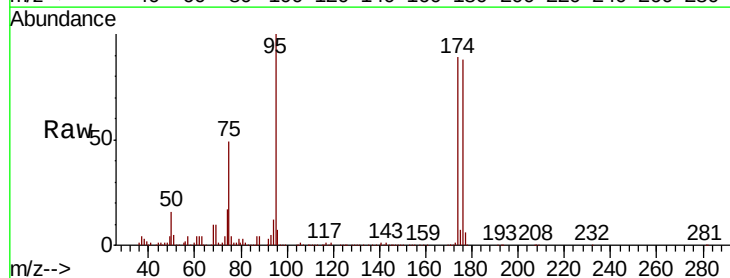
Tgt Ion: 75 Resp: 84595

Ion Ratio Lower Upper

75 100

53 0.4 67.4 101.0#

89 0.0 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

