

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002534.D
 Acq On : 04 May 2020 12:42
 Operator : SY/MD
 Sample : L2441-03
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:04:43 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	315898	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	512456	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	462311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	228910	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	154352	58.11	ug/l	-0.01
Spiked Amount			Recovery	=	116.22%	
35) Dibromofluoromethane	7.73	113	157550	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
50) Toluene-d8	10.18	98	597218	52.18	ug/l	-0.01
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.48	95	196854	50.69	ug/l	-0.01
Spiked Amount			Recovery	=	101.38%	

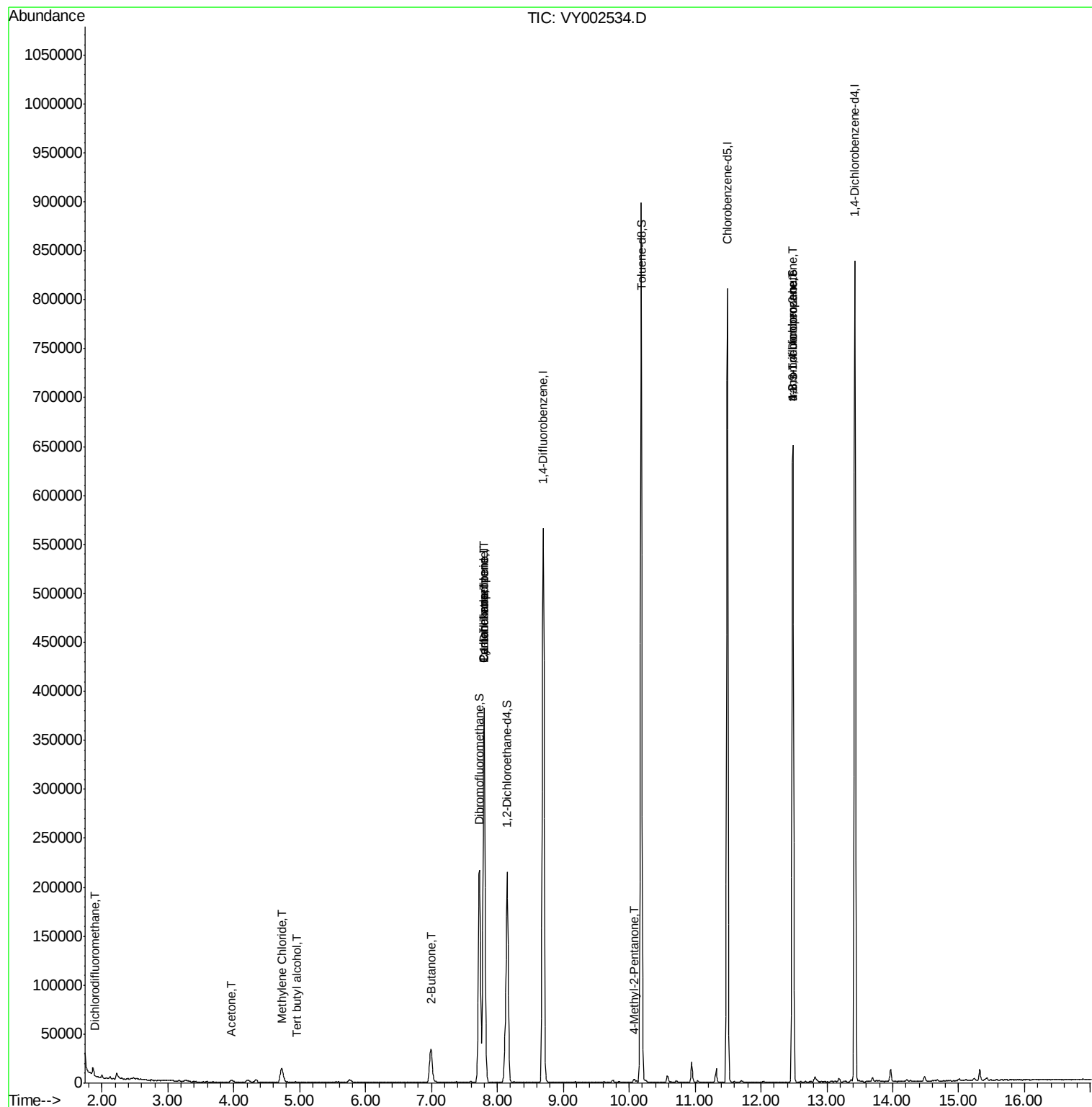
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	380	1.925	ug/l	79
11) Tert butyl alcohol	4.95	59	537	1.965	ug/l #	74
16) Acetone	3.96	43	3613	6.591	ug/l	98
20) Methylene Chloride	4.72	84	11834	3.860	ug/l	94
25) 2-Butanone	6.99	43	2038	2.271	ug/l #	76
31) Cyclohexane	7.79	56	5387	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19646	4.573	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27930	5.955	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	2503	1.173	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	96141	47.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96141	94.768	ug/l #	15

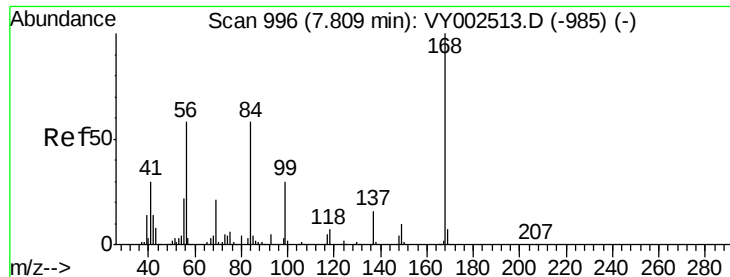
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
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: VY002534.D

Acq: 04 May 2020 12:42

Instrument :

MSVOA_Y

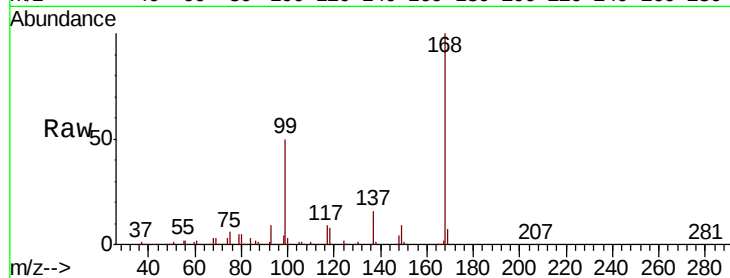
ClientSampleId :

Tot Ion:168 Resp: 315898

Ion Ratio Lower Upper

168 100

99 50.2 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

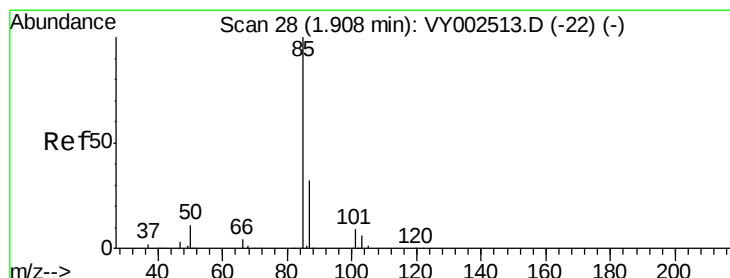
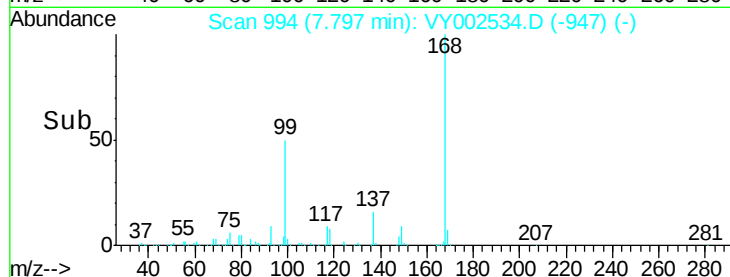
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.925 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002534.D

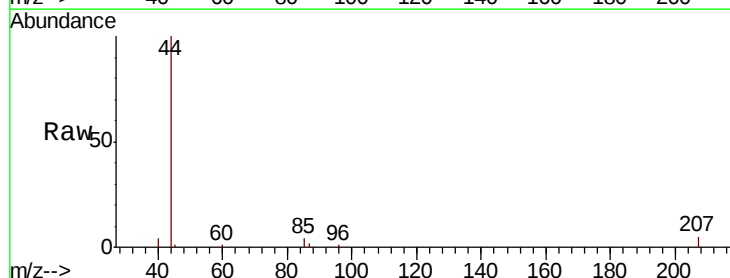
Acq: 04 May 2020 12:42

Tgt Ion: 85 Resp: 380

Ion Ratio Lower Upper

85 100

87 43.2 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

300

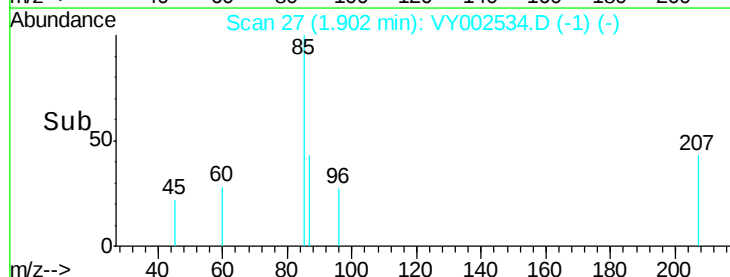
200

100

0

1.85 1.90 1.95

Time-->

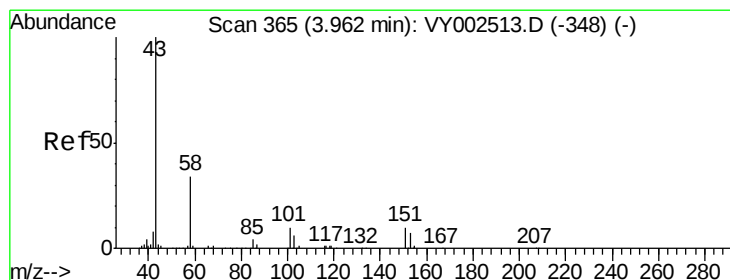
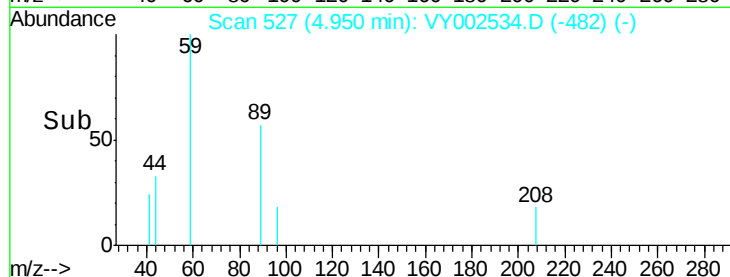
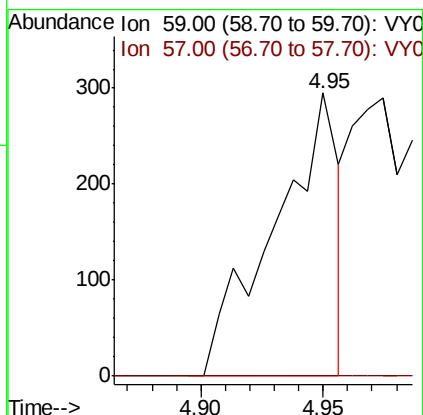
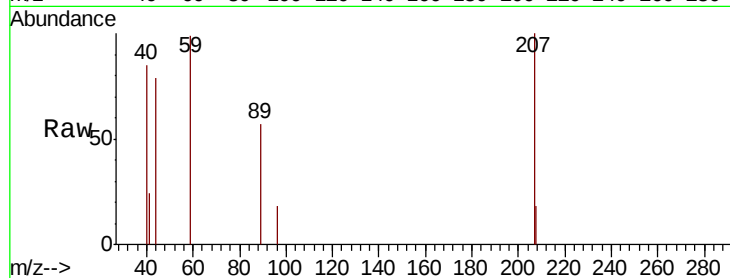




#11
Tert butyl alcohol
Concen: 1.965 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

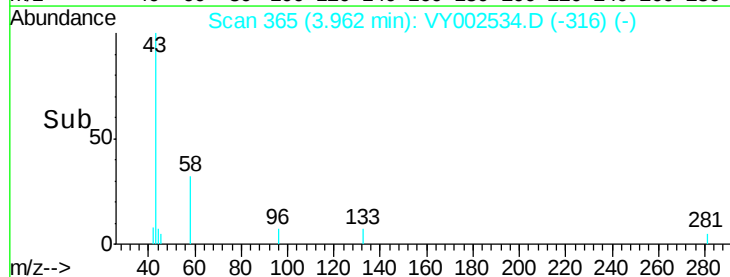
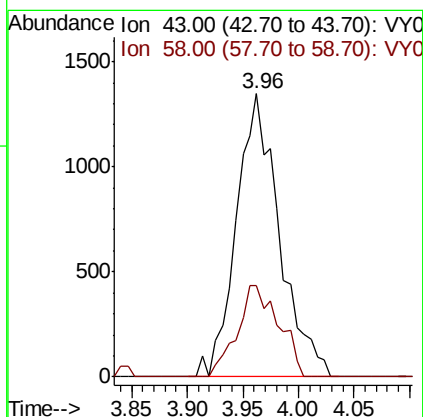
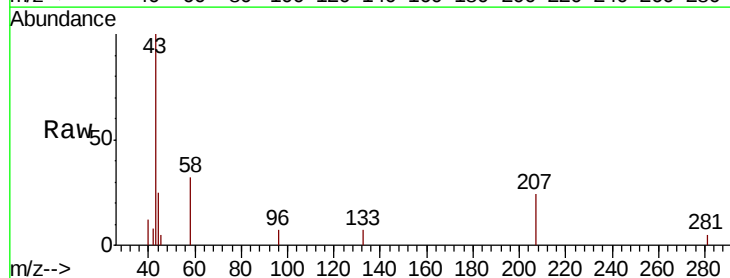
Instrument :
MSVOA_Y
ClientSampleId :

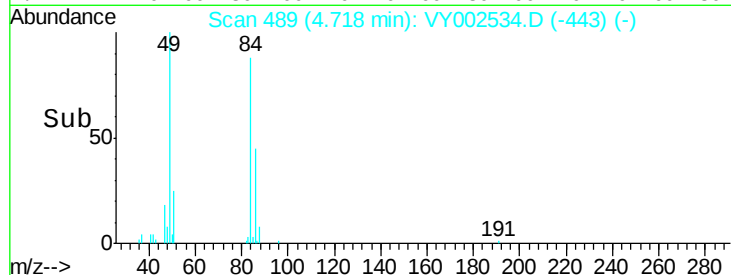
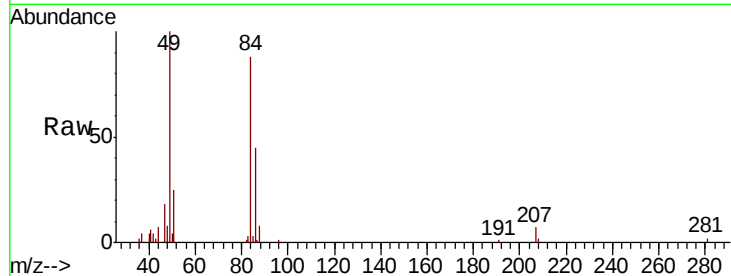
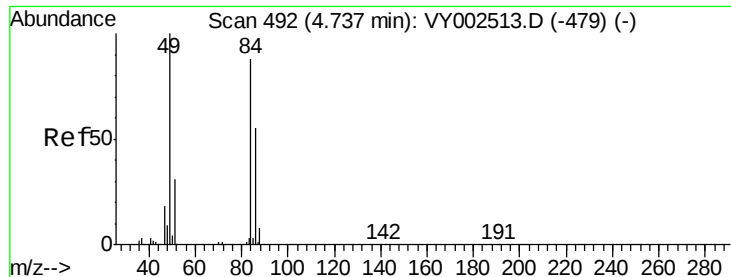
Tot Ion: 59 Resp: 537
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.591 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Tgt Ion: 43 Resp: 3613
Ion Ratio Lower Upper
43 100
58 32.3 26.9 40.3

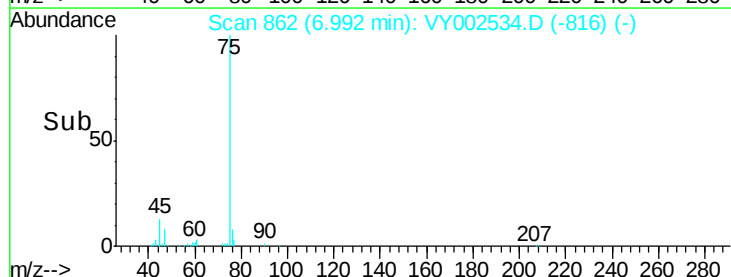
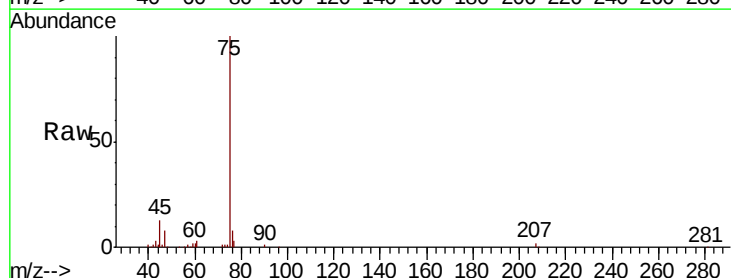
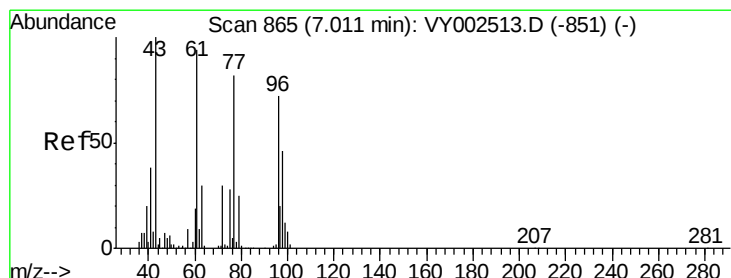
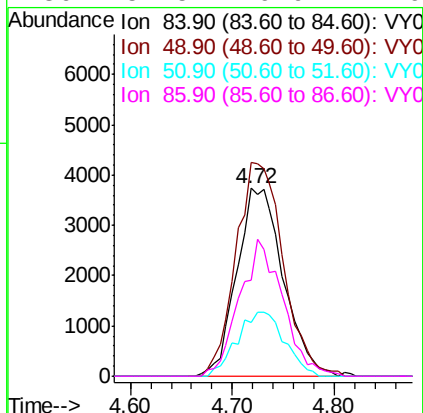




#20
Methvlene Chloride
Concen: 3.860 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Tot Ion: 84 Resp: 11834

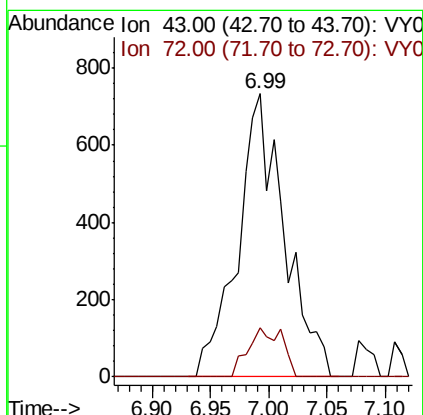
Ion	Ratio	Lower	Upper
84	100		
49	113.9	90.5	135.7
51	28.9	28.3	42.5
86	51.5	49.9	74.9

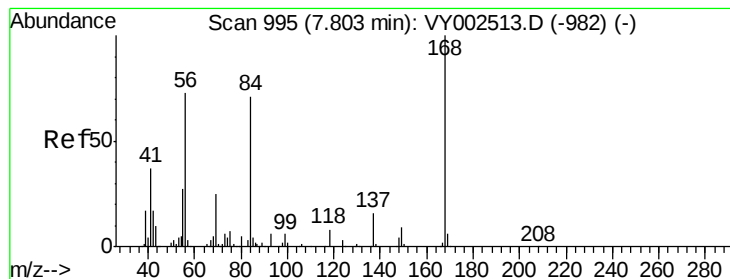


#25
2-Butanone
Concen: 2.271 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.02 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Tgt Ion: 43 Resp: 2038

Ion	Ratio	Lower	Upper
43	100		
72	17.2	24.1	36.1#





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002534.D

Acq: 04 May 2020 12:42

Instrument :

MSVOA_Y

ClientSampled :

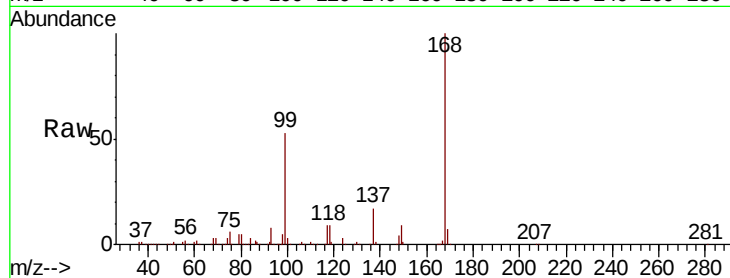
Tot Ion: 56 Resp: 5387

Ion Ratio Lower Upper

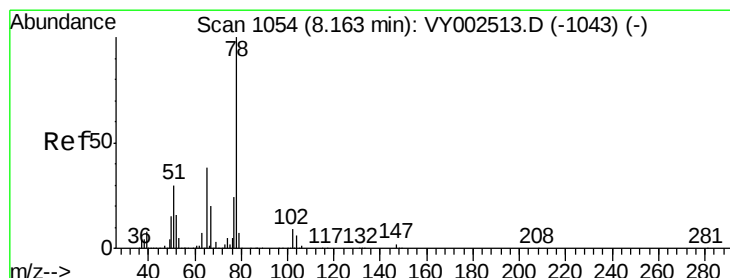
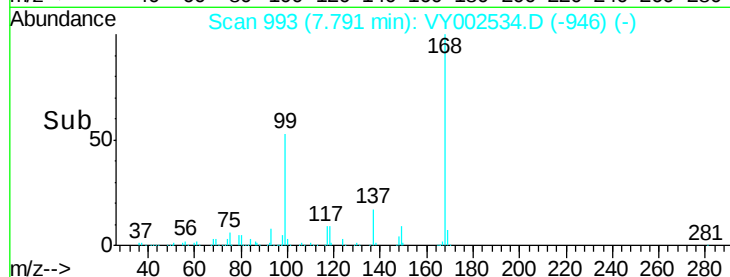
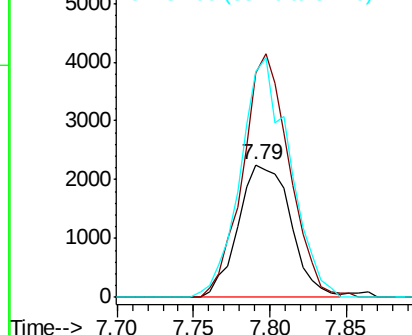
56 100

69 169.4 27.6 41.4#

84 170.2 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: 58.112 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002534.D

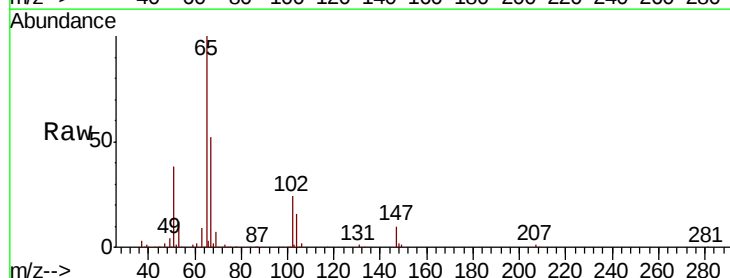
Acq: 04 May 2020 12:42

Tgt Ion: 65 Resp: 154352

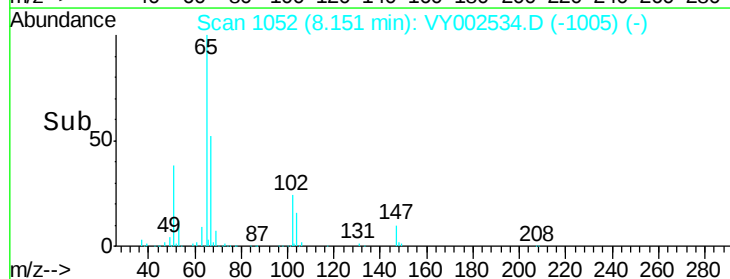
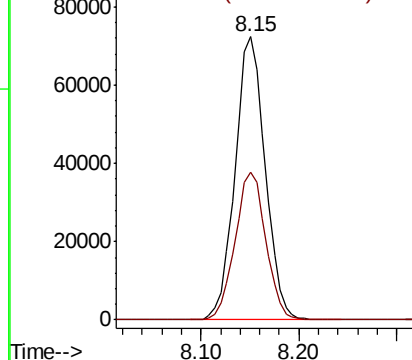
Ion Ratio Lower Upper

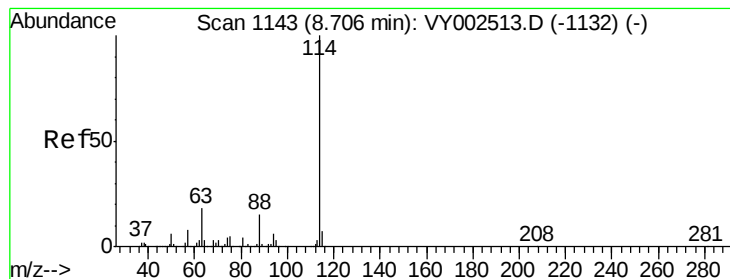
65 100

67 53.5 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: VY002534.D

Acq: 04 May 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

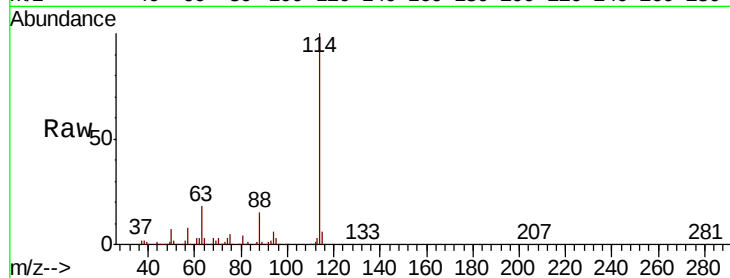
Tot Ion:114 Resp: 512456

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

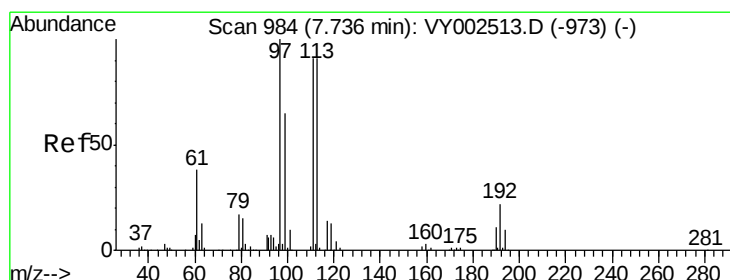
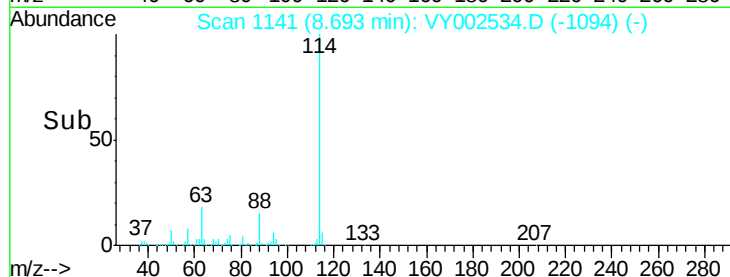
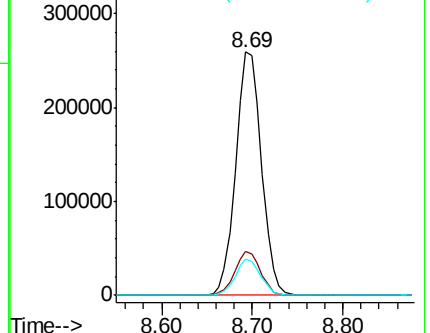
88 14.9 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.758 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002534.D

Acq: 04 May 2020 12:42

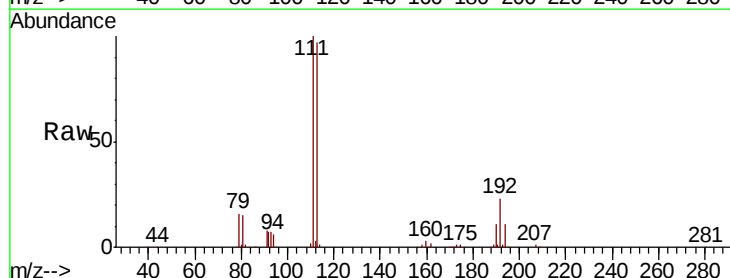
Tgt Ion:113 Resp: 157550

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

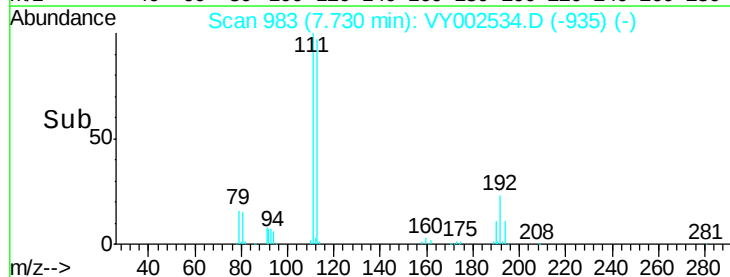
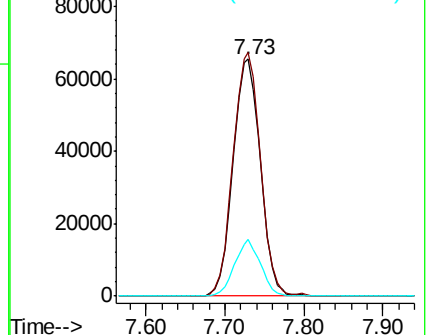
192 22.6 18.2 27.4

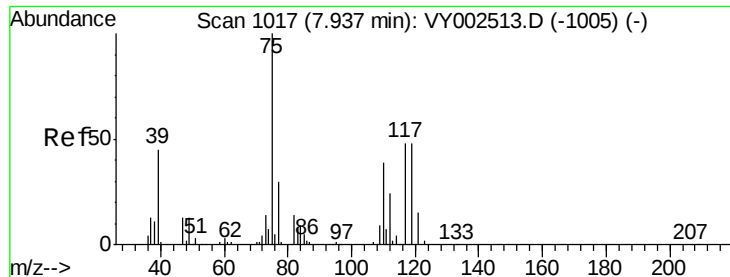


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

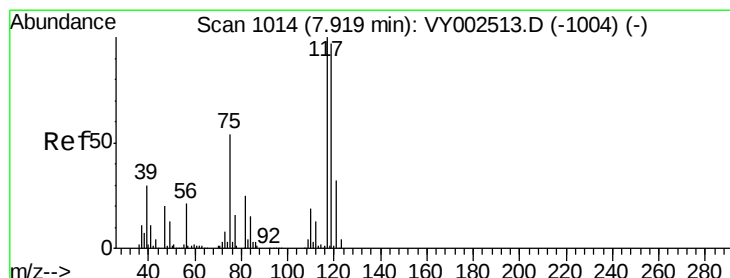
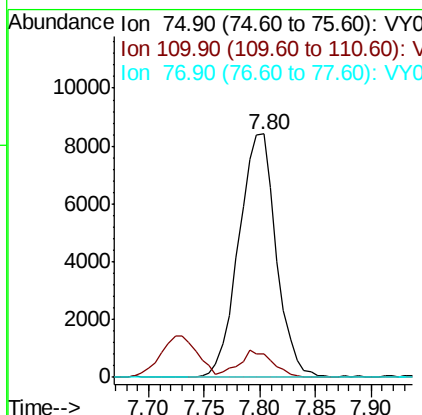
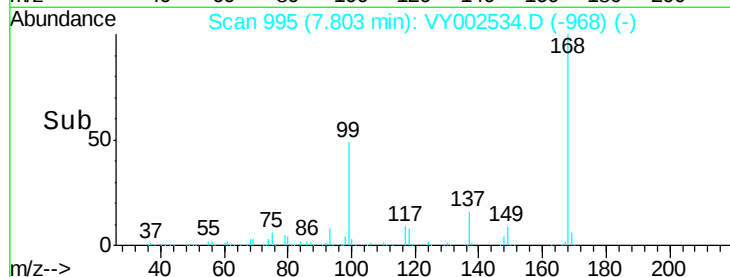
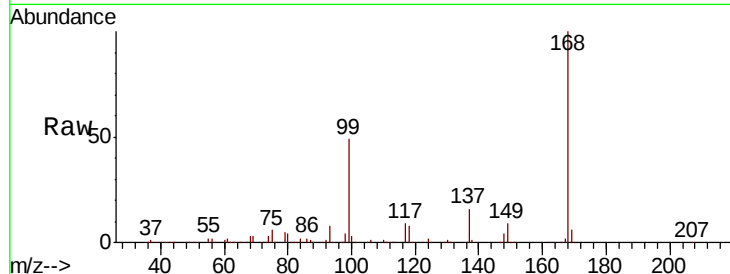




#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002534.D
 Acq: 04 May 2020 12:42

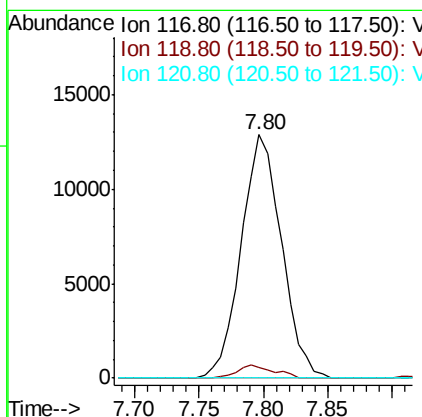
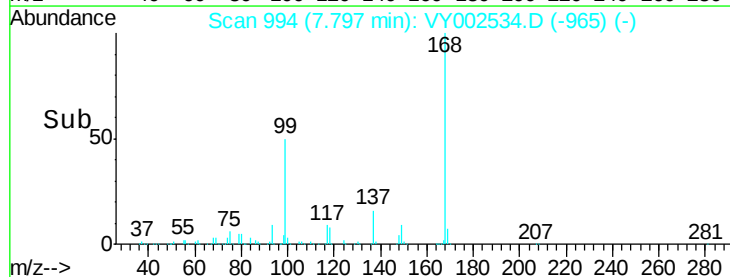
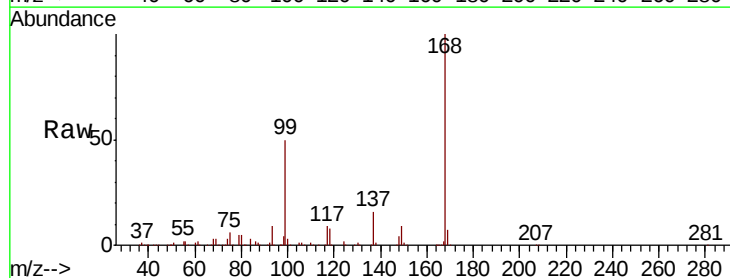
Instrument :
 MSVOA_Y
 ClientSampled :

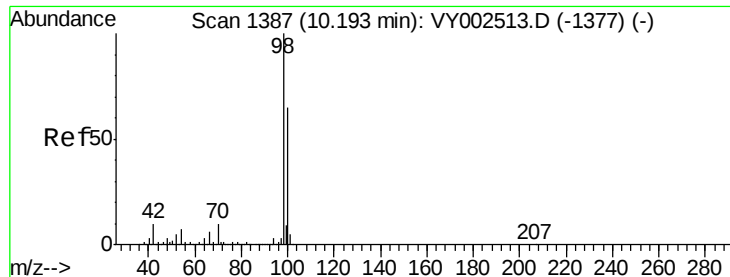
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.955 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002534.D
 Acq: 04 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 52.182 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002534.D

Acq: 04 May 2020 12:42

Instrument :

MSVOA_Y

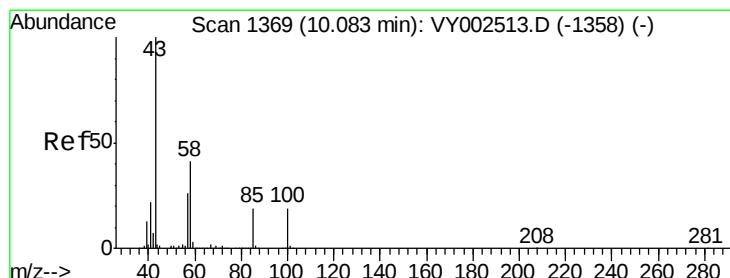
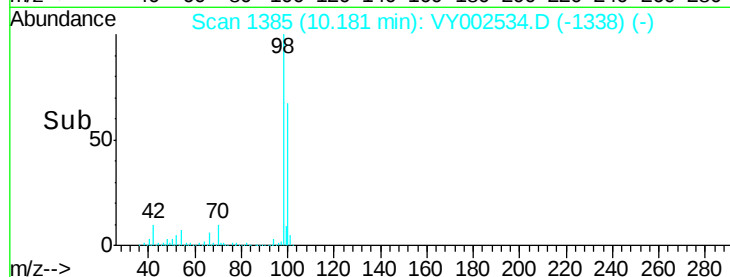
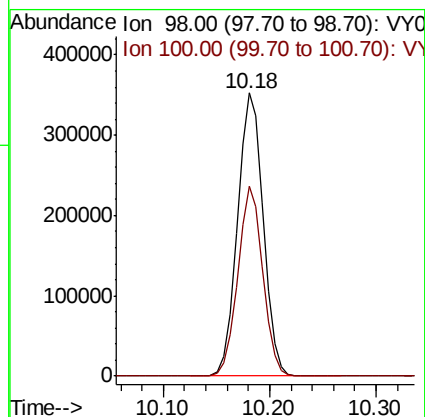
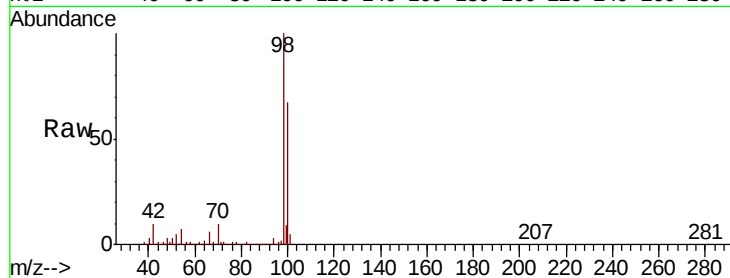
ClientSampleId :

Tot Ion: 98 Resp: 597218

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.173 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002534.D

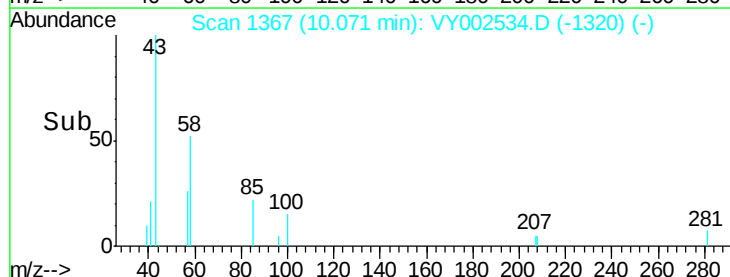
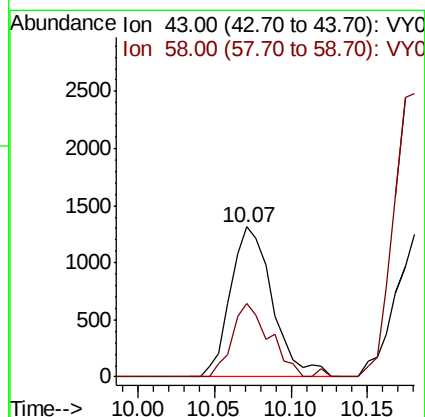
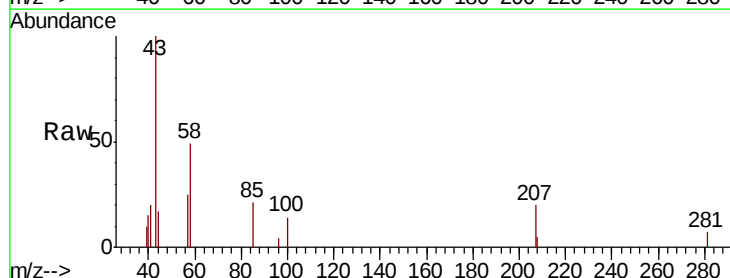
Acq: 04 May 2020 12:42

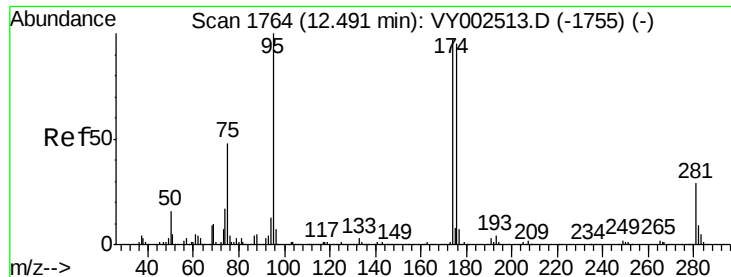
Tgt Ion: 43 Resp: 2503

Ion Ratio Lower Upper

43 100

58 43.7 33.2 49.8

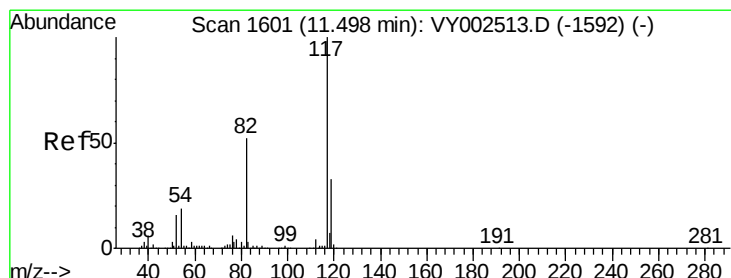
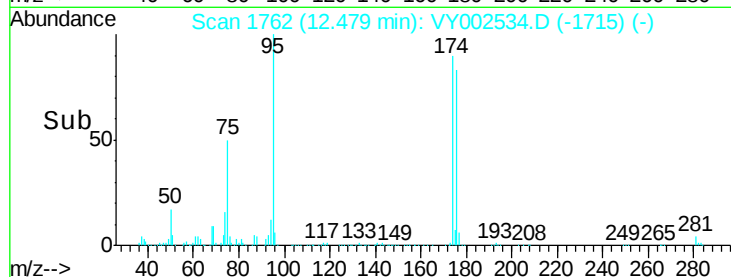
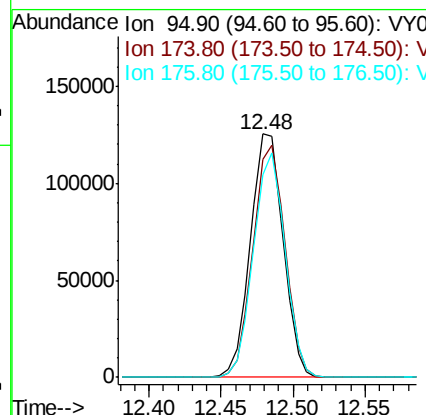
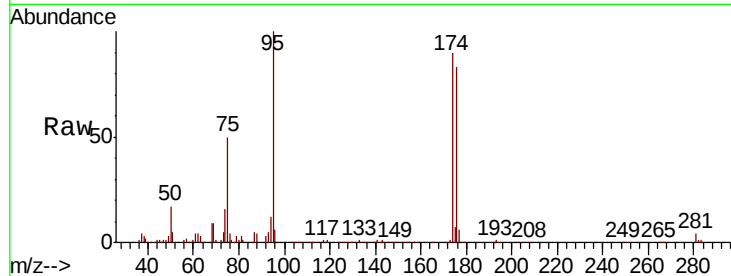




#62
4-Bromofluorobenzene
Concen: 50.689 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

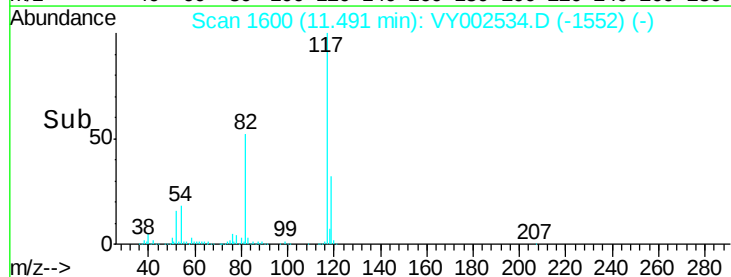
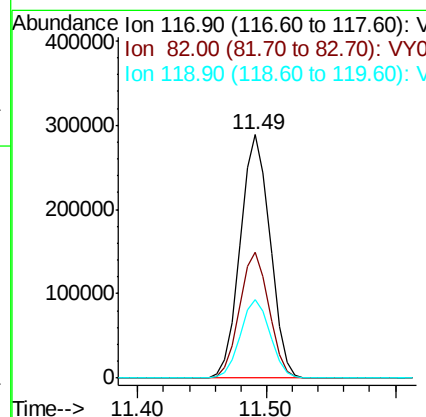
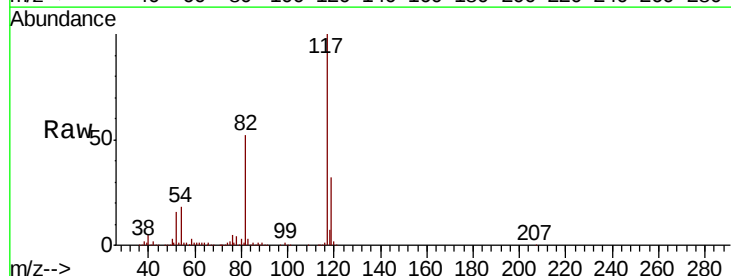
Instrument :
MSVOA_Y
ClientSampleId :

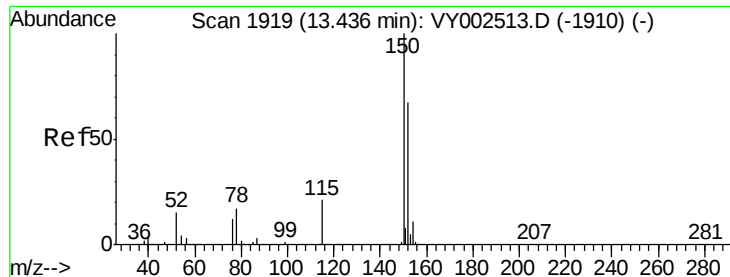
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	188.8
176	89.5	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.3	61.9
119	32.4	26.0	39.0



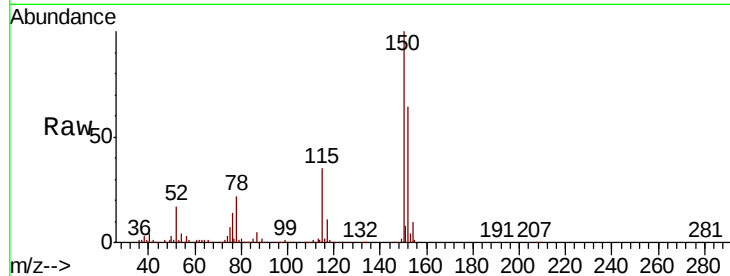


#72

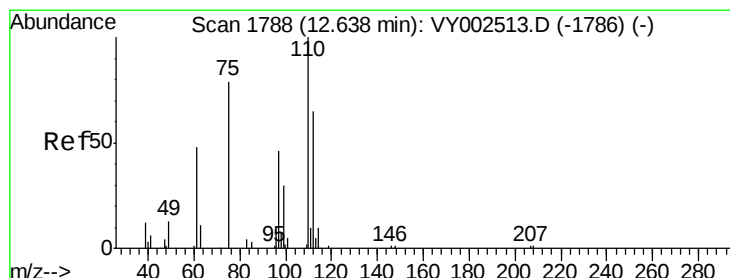
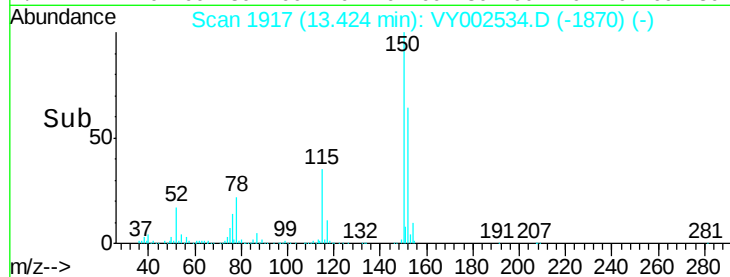
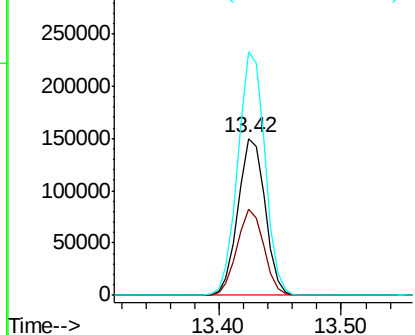
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 228910
Ion Ratio Lower Upper
152 100
115 54.1 27.5 82.4
150 155.7 0.0 346.4



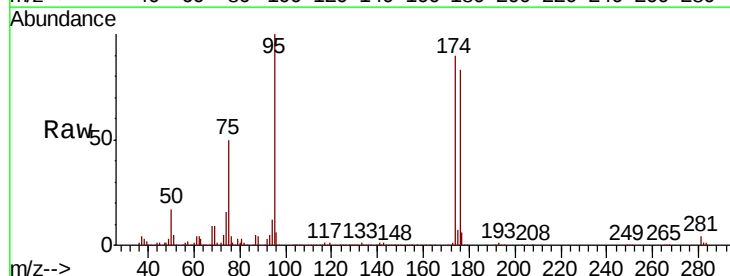
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



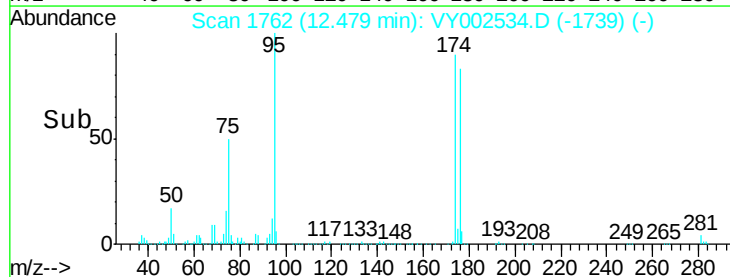
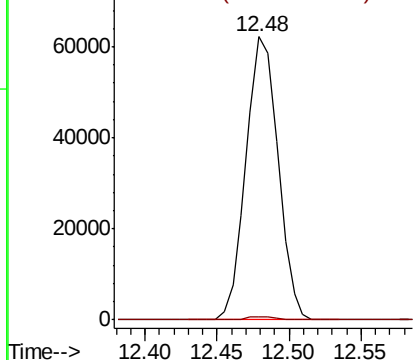
#76

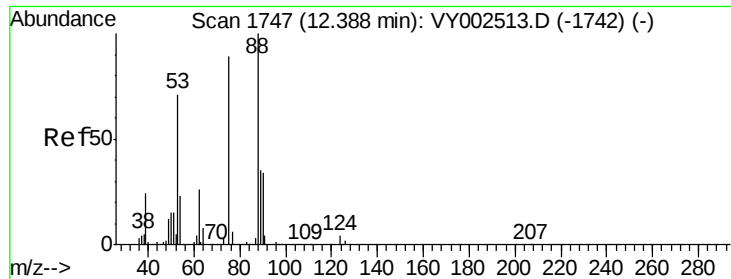
1,2,3-Trichloropropane
Concen: 47.261 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002534.D
Acq: 04 May 2020 12:42

Tgt Ion: 75 Resp: 96141
Ion Ratio Lower Upper
75 100
77 1.2 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: 94.768 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002534.D

Acq: 04 May 2020 12:42

Instrument :

MSVOA_Y

ClientSampleId :

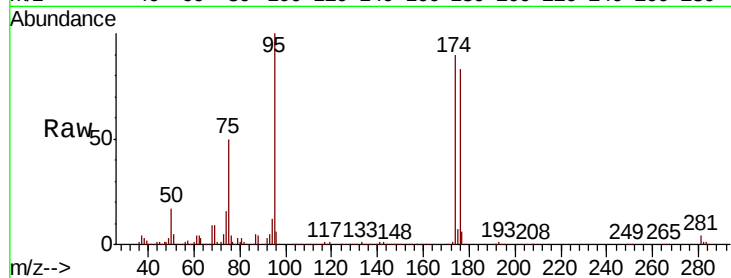
Tot Ion: 75 Resp: 96141

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.2 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

