

Data File : VY001519.D
Acq On : 05 Feb 2020 19:47
Operator : SY/MD
Sample : L1360-06
Misc : 12.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Quant Time: Feb 06 07:02:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156164	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	294567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	275833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	130942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	101006	64.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.48%	
35) Dibromofluoromethane	7.75	113	89210	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.19	98	352322	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.49	95	134628	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

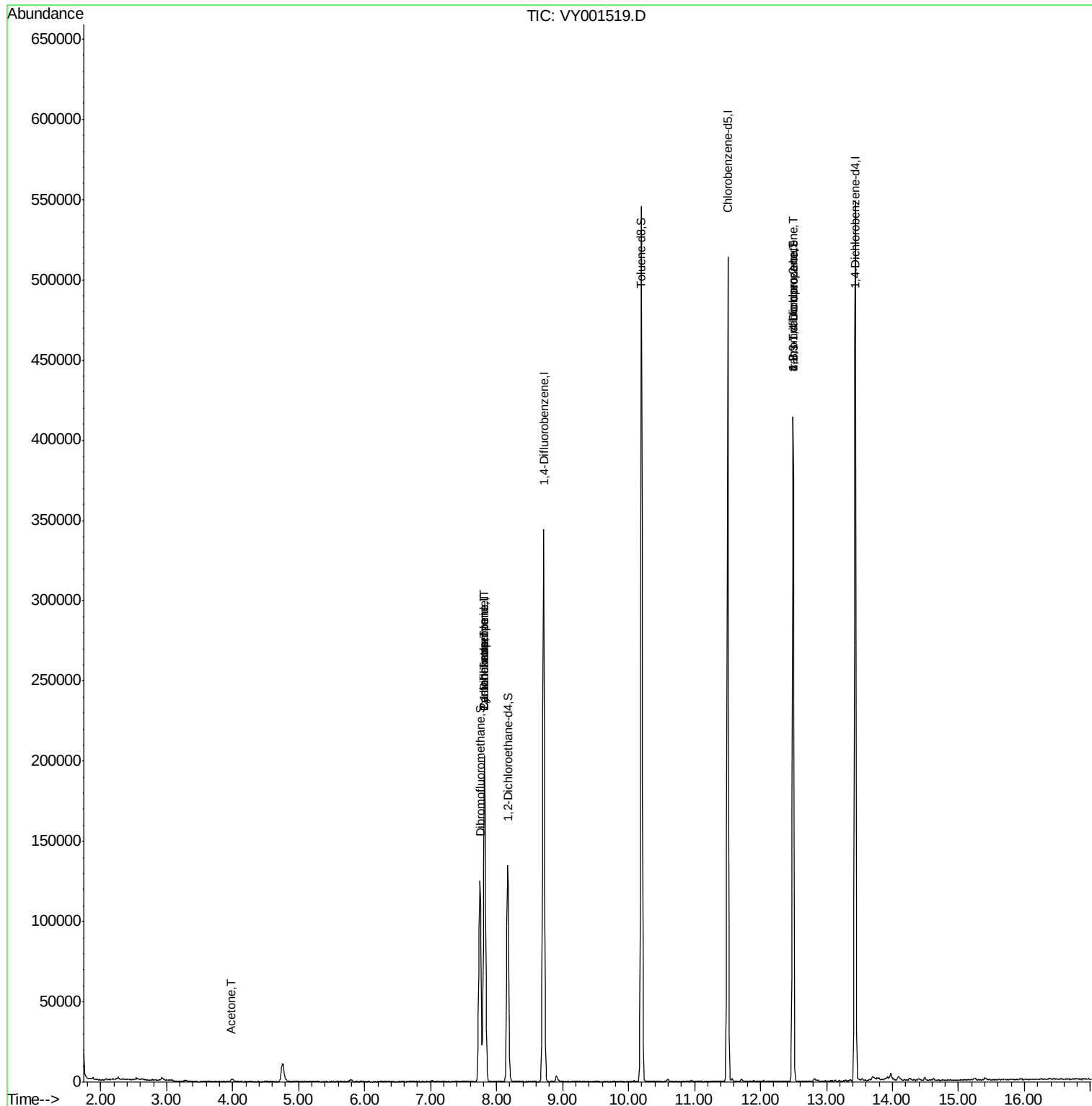
					Qvalue	
11) Tert butyl alcohol	5.00	59	83	Below Cal	#	76
16) Acetone	3.99	43	3301	7.258	ug/l	98
20) Methylene Chloride	4.75	84	8309	Below Cal		95
31) Cyclohexane	7.82	56	3417	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12349	4.583	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15496	5.944	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	68162	48.405	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	68162	93.662	ug/l #	16

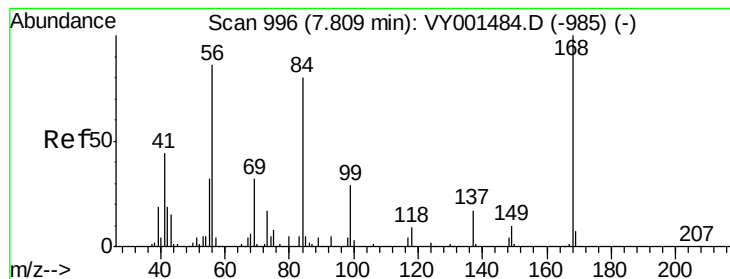
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001519.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_Y

ClientSampleId :

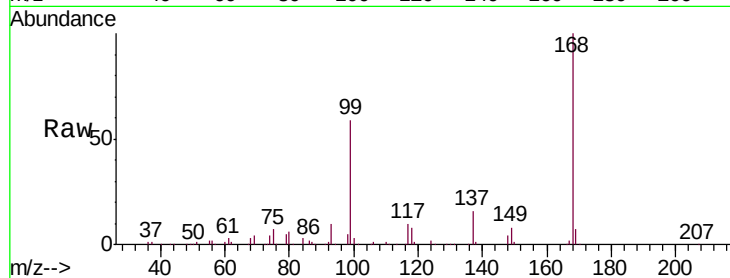
TP-5

Tgt Ion:168 Resp: 156164

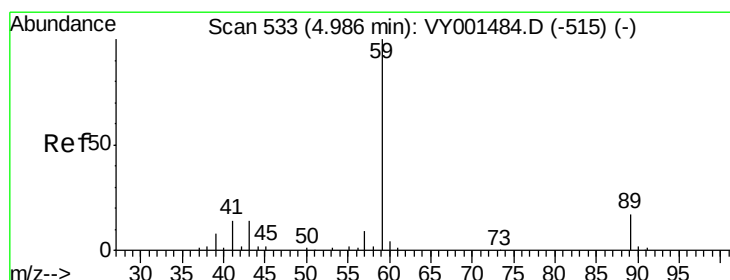
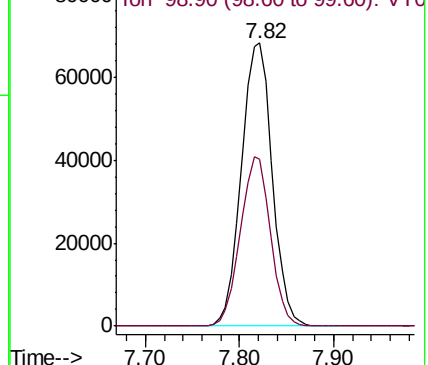
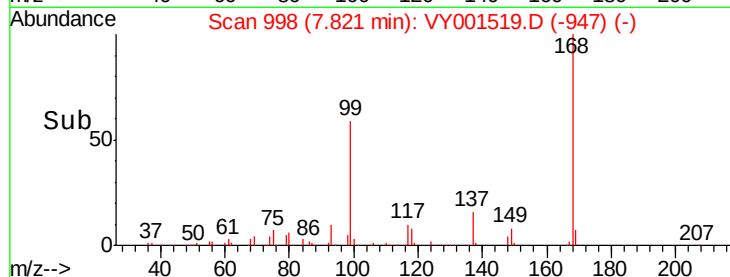
Ion Ratio Lower Upper

168 100

99 59.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001519.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001519.D

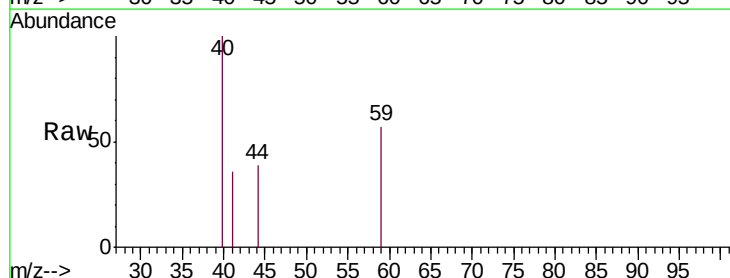
Acq: 05 Feb 2020 19:47

Tgt Ion: 59 Resp: 83

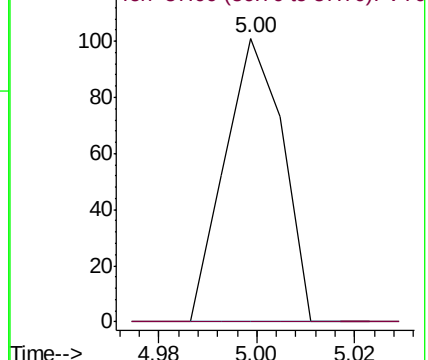
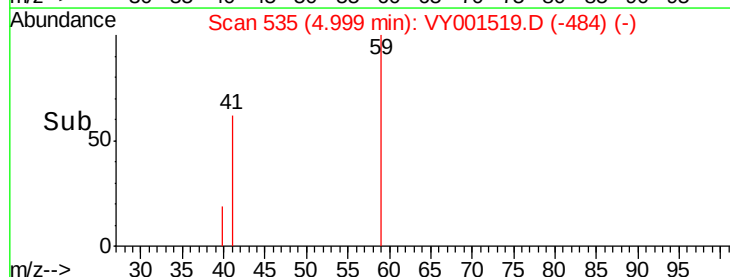
Ion Ratio Lower Upper

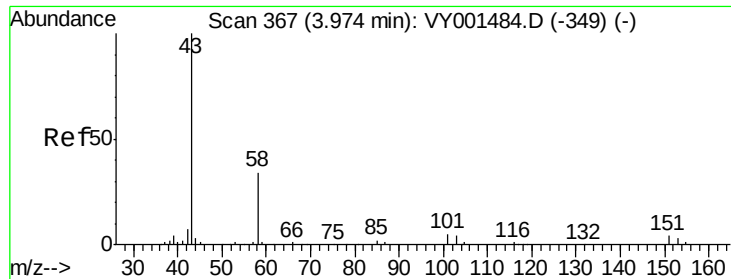
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001519.D (-484) (-)





#16

Acetone

Concen: 7.258 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001519.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_Y

ClientSampled :

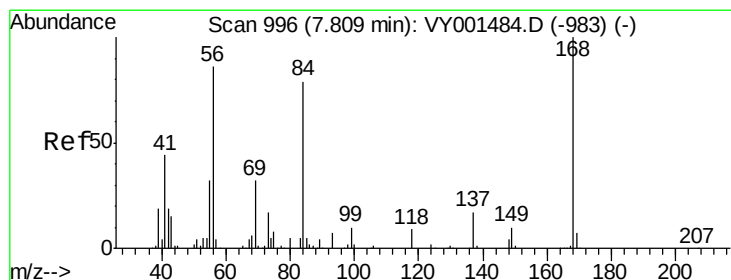
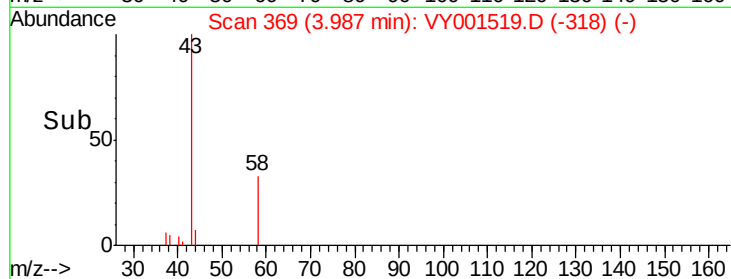
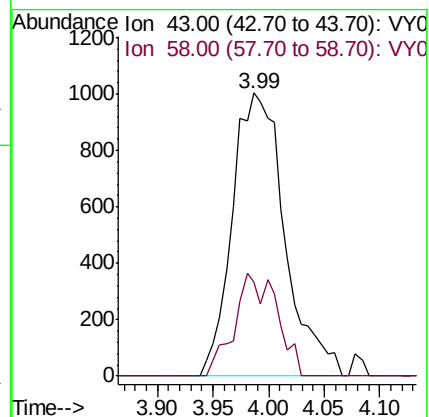
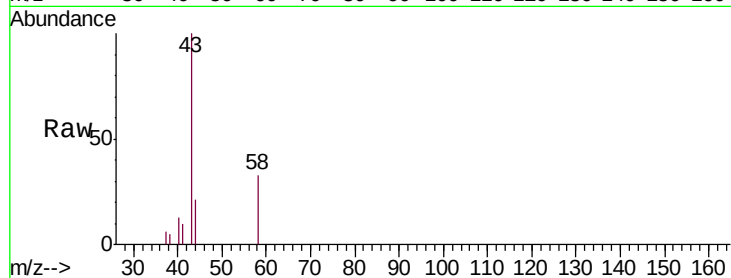
TP-5

Tgt Ion: 43 Resp: 3301

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001519.D

Acq: 05 Feb 2020 19:47

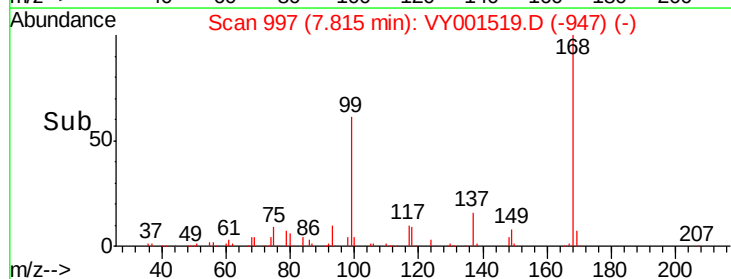
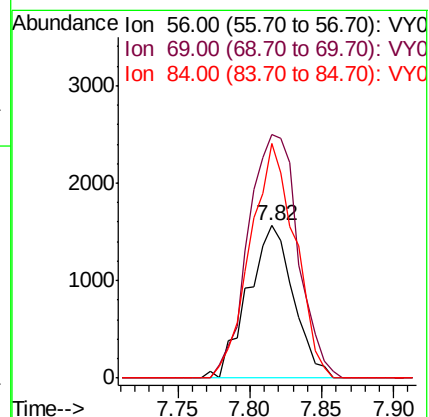
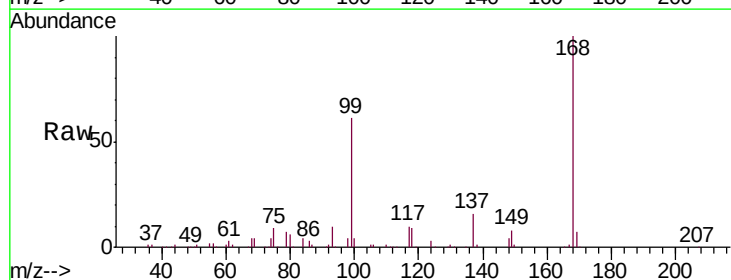
Tgt Ion: 56 Resp: 3417

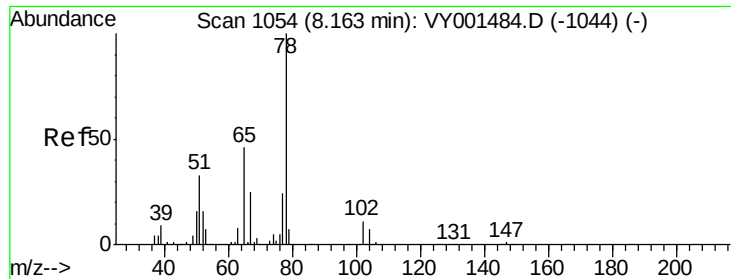
Ion Ratio Lower Upper

56 100

69 160.0 29.6 44.4#

84 154.0 73.6 110.4#

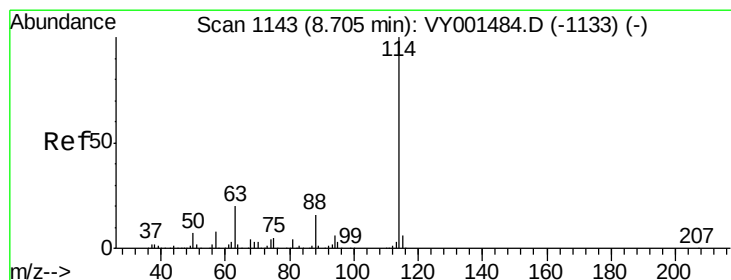
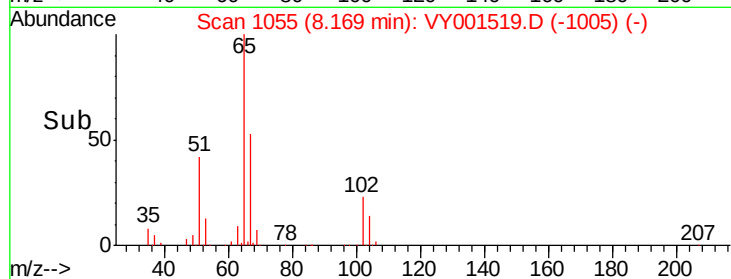
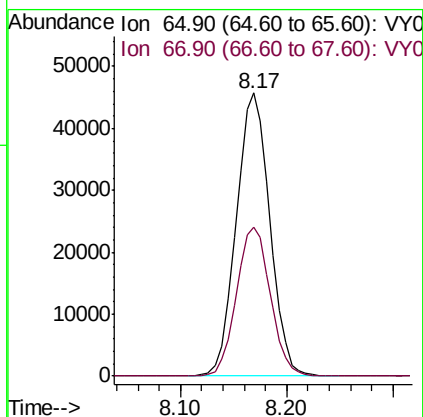
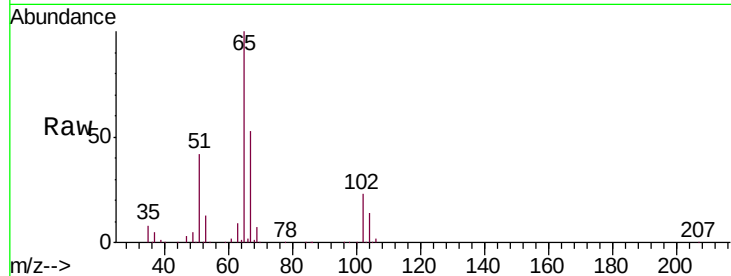




#33
 1,2-Dichloroethane-d4
 Concen: 64.239 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

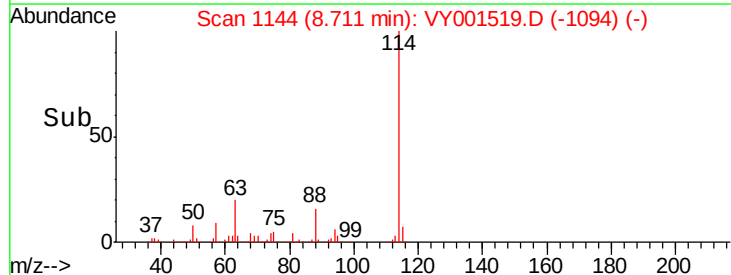
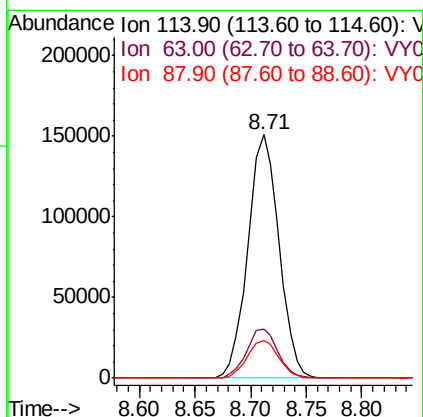
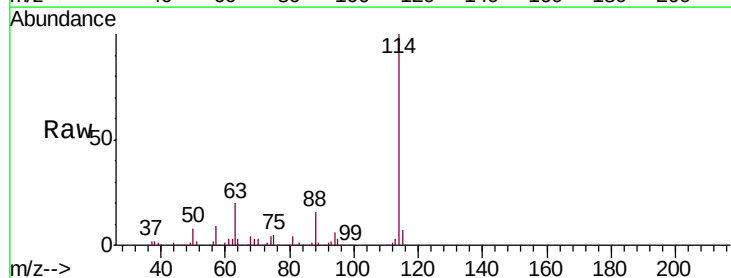
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-5

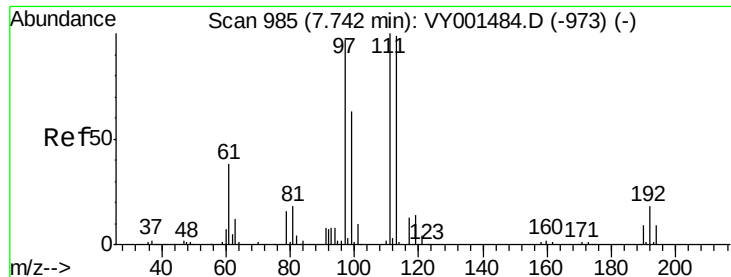
Tgt Ion: 65 Resp: 101006
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

Tgt Ion: 114 Resp: 294567
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.6 0.0 32.6

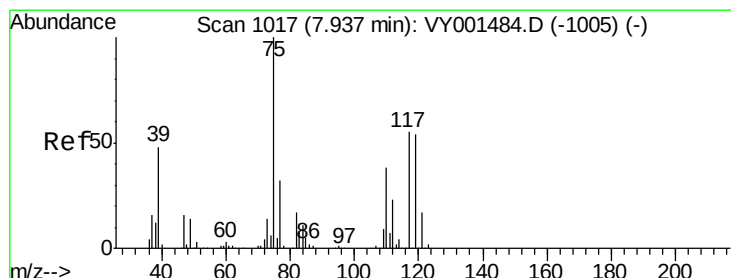
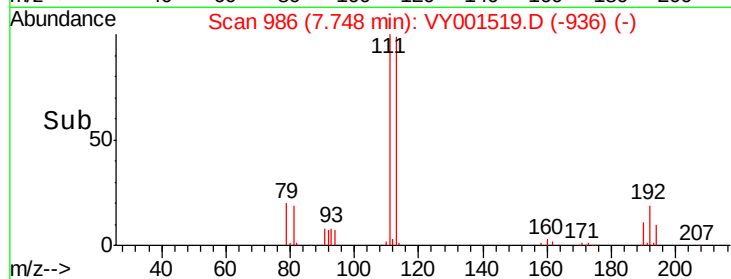
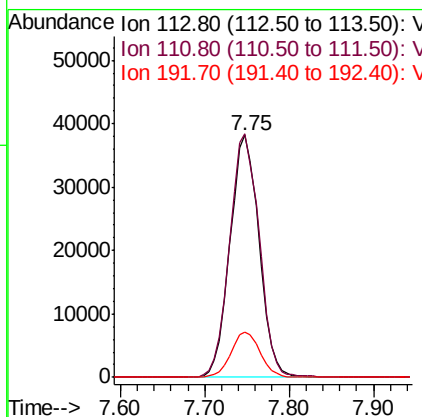
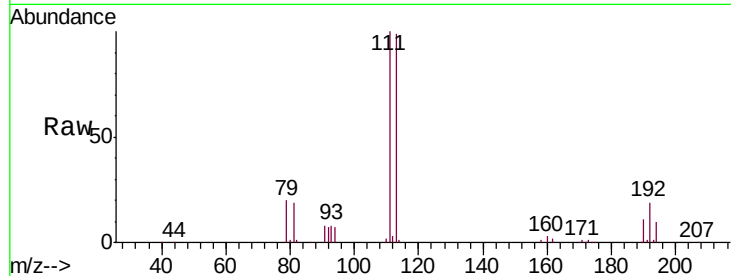




#35
 Dibromofluoromethane
 Concen: 52.519 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

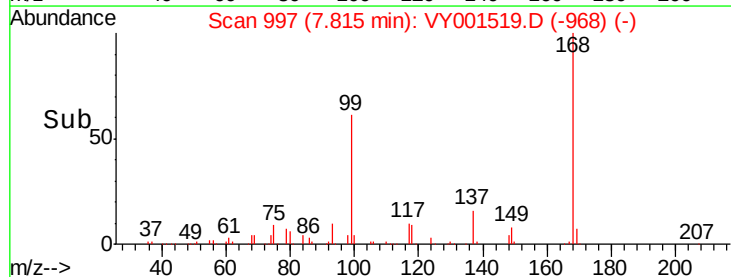
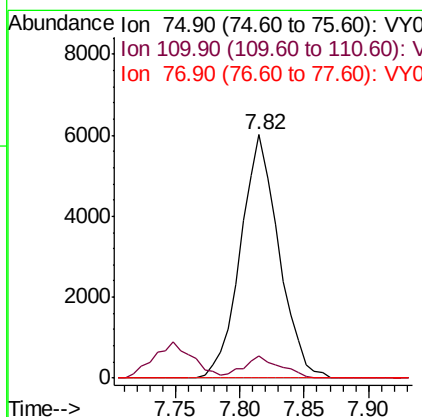
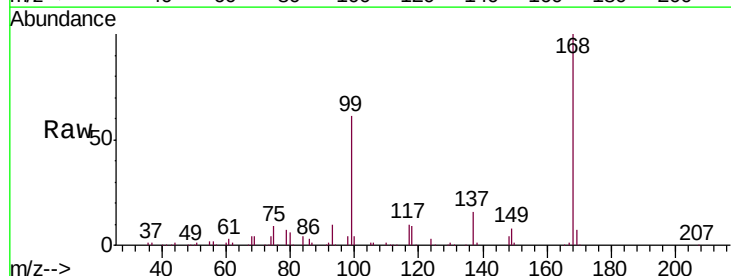
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

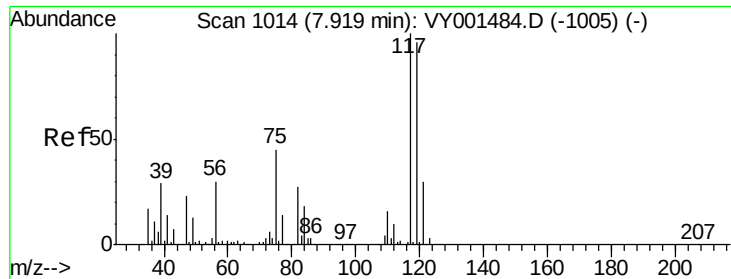
Tgt Ion:113 Resp: 89210
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 18.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

Tgt Ion: 75 Resp: 12349
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.944 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001519.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

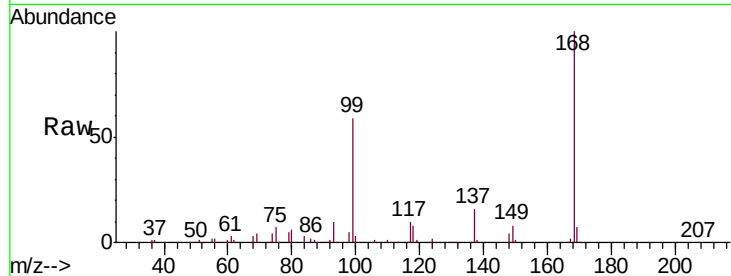
Tgt Ion:117 Resp: 15496

Ion Ratio Lower Upper

117 100

119 6.3 76.4 114.6#

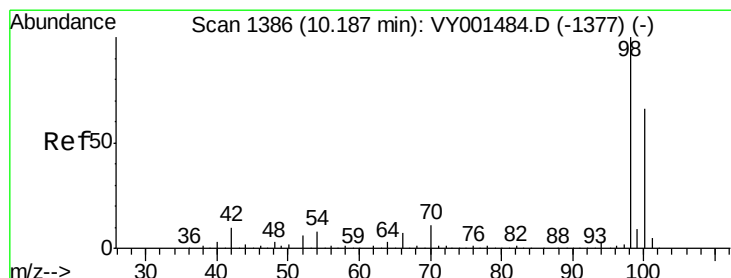
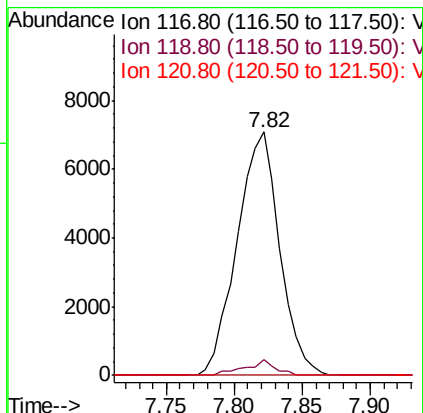
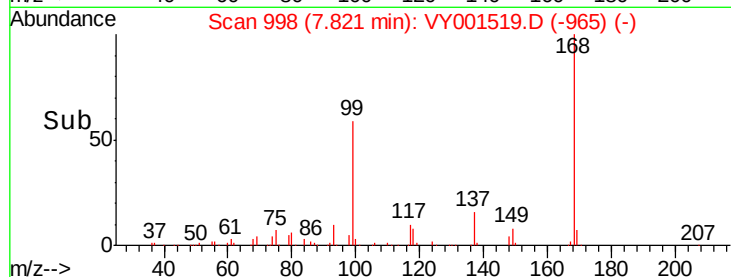
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.823 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001519.D

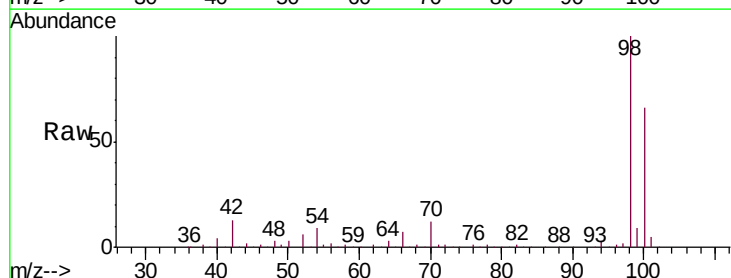
Acq: 05 Feb 2020 19:47

Tgt Ion: 98 Resp: 352322

Ion Ratio Lower Upper

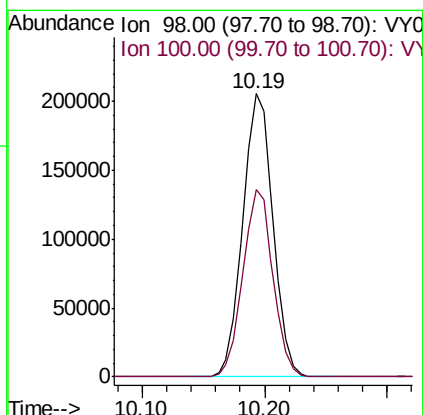
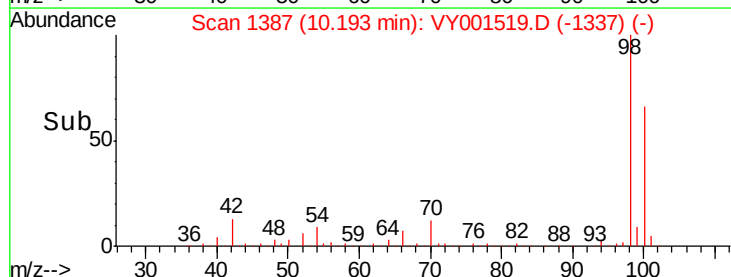
98 100

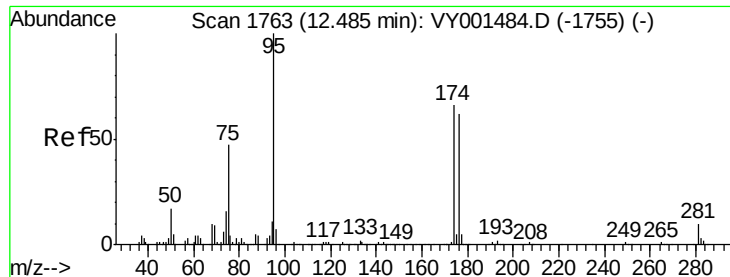
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

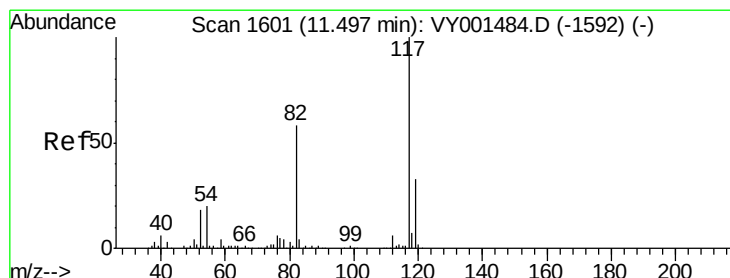
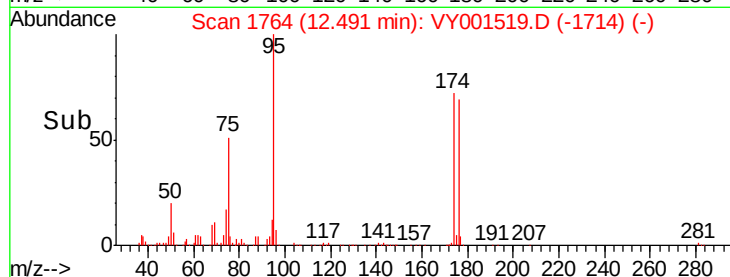
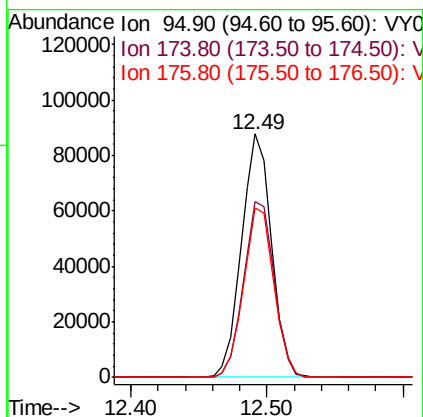
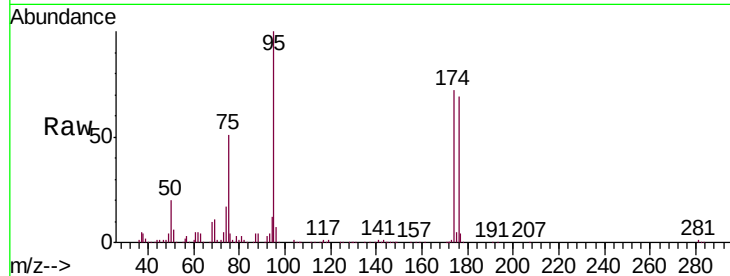




#62
4-Bromofluorobenzene
Concen: 53.176 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001519.D
Acq: 05 Feb 2020 19:47

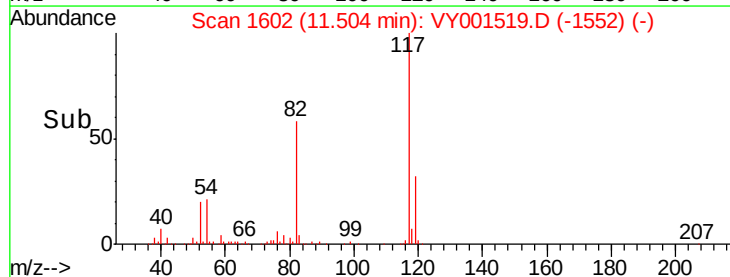
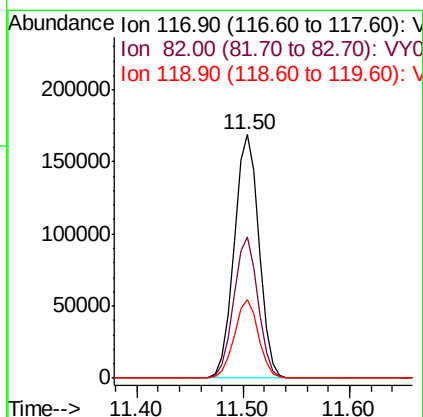
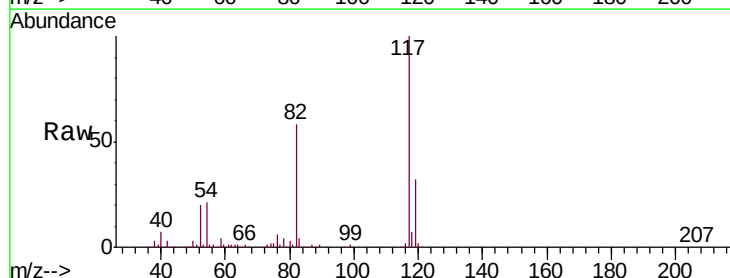
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

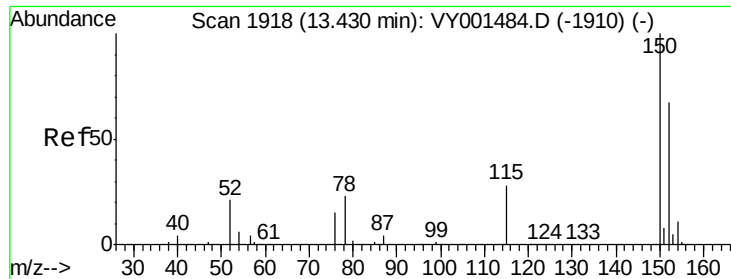
Tgt Ion: 95 Resp: 134628
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.4
176 70.9 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001519.D
Acq: 05 Feb 2020 19:47

Tgt Ion: 117 Resp: 275833
Ion Ratio Lower Upper
117 100
82 58.2 46.1 69.1
119 32.2 26.1 39.1

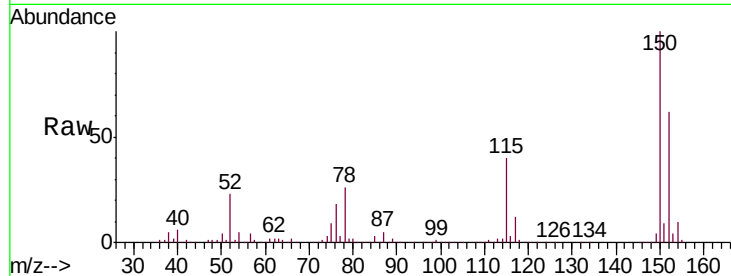




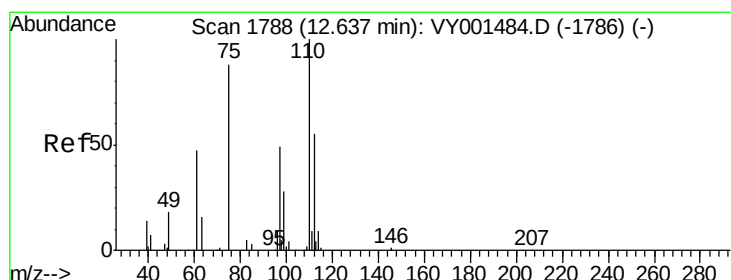
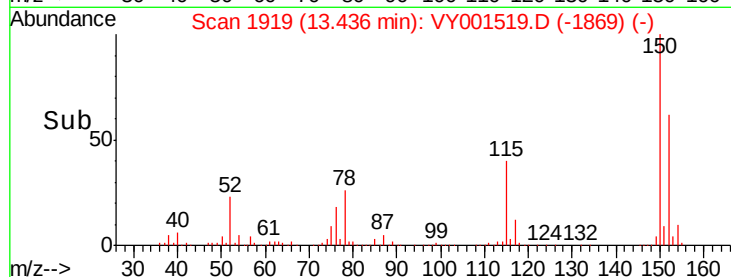
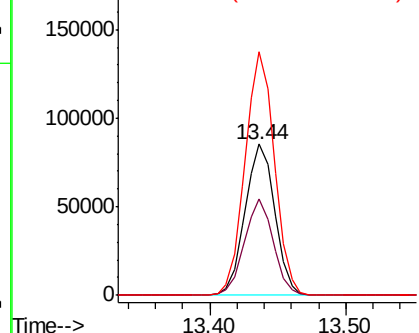
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.44 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Tgt Ion:152 Resp: 130942
 Ion Ratio Lower Upper
 152 100
 115 61.7 31.4 94.3
 150 158.5 0.0 346.8

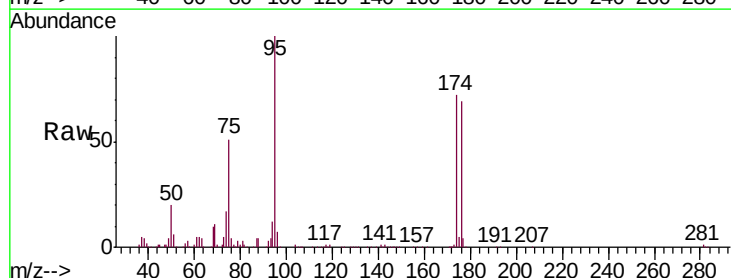


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

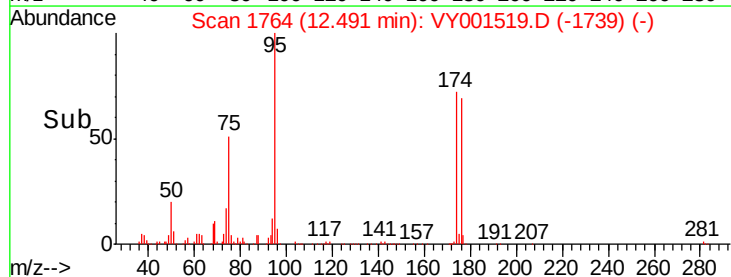
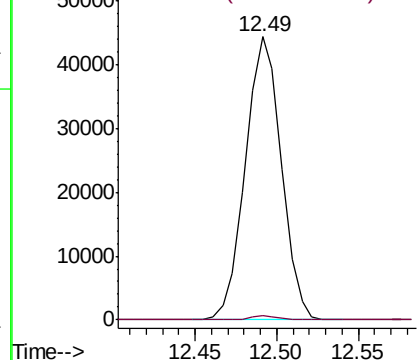


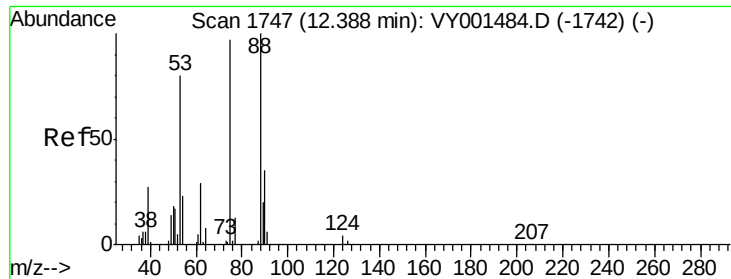
#76
 1,2,3-Trichloropropane
 Concen: 48.405 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001519.D
 Acq: 05 Feb 2020 19:47

Tgt Ion: 75 Resp: 68162
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 93.662 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001519.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

Tgt Ion: 75 Resp: 68162

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

