

Data File : VY001518.D
Acq On : 05 Feb 2020 19:25
Operator : SY/MD
Sample : L1360-04
Misc : 12.35G/5ML/MSVOA_Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Time: Feb 06 07:01:59 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	167075	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	311838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	295322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	105773	62.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.76%	
35) Dibromofluoromethane	7.75	113	94589	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.20	98	374939	55.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.22%	
62) 4-Bromofluorobenzene	12.49	95	145244	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds

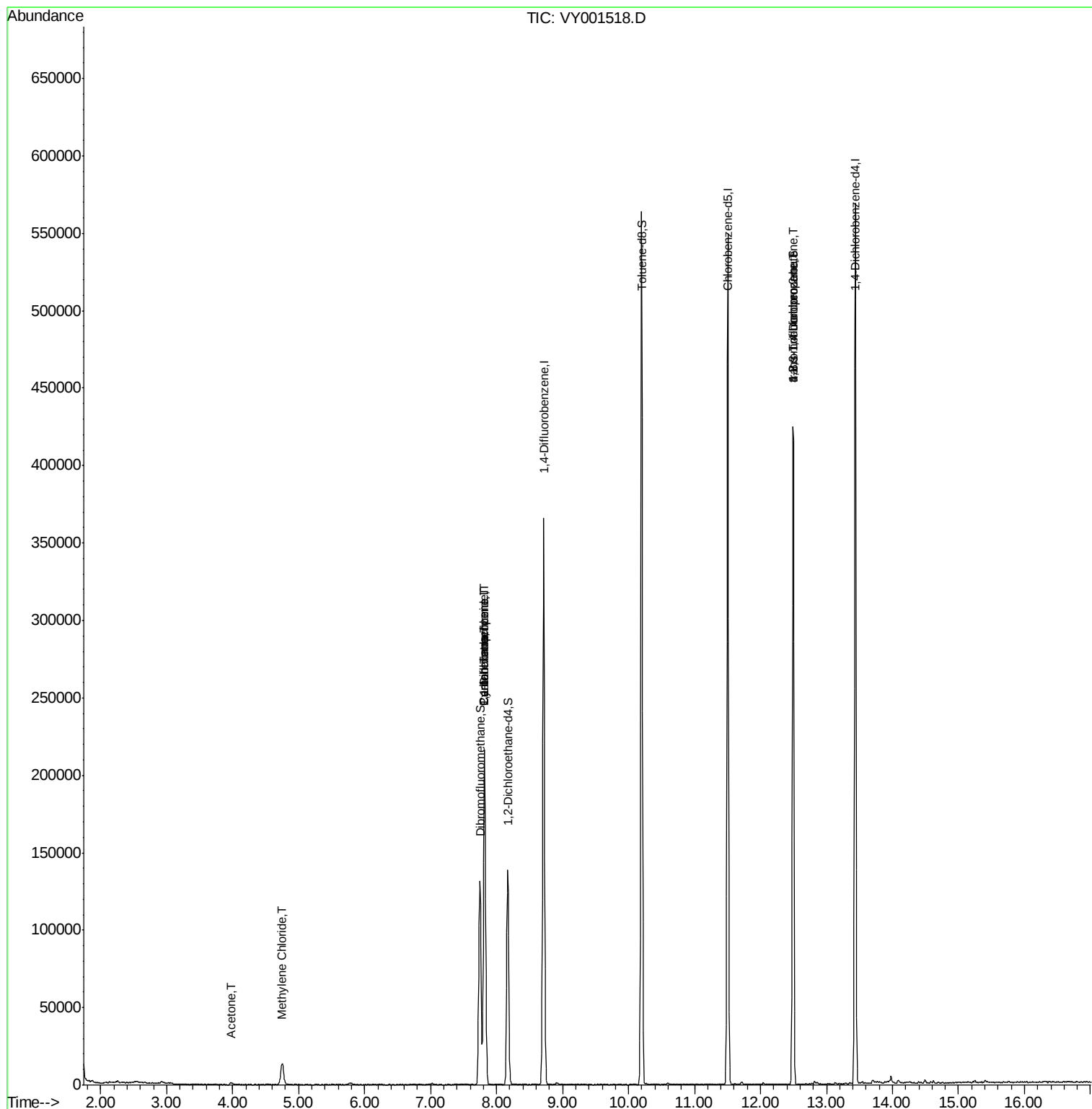
					Qvalue	
11) Tert butyl alcohol	4.99	59	45	Below Cal	#	76
16) Acetone	3.98	43	2298	4.723	ug/l	91
20) Methylene Chloride	4.74	84	10746	1.009	ug/l	96
31) Cyclohexane	7.82	56	3560	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13521	4.740	ug/l #	48
38) Carbon Tetrachloride	7.82	117	17049	6.177	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	71579	47.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	71579	91.863	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: VY001518.D

Acq: 05 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

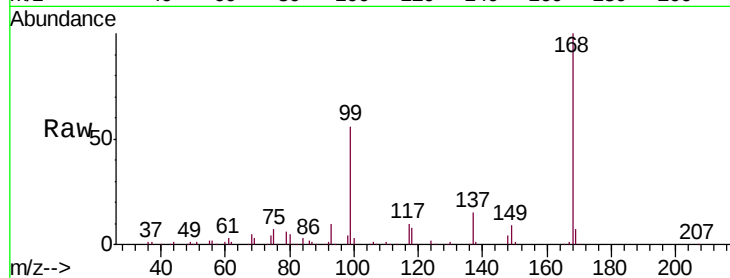
TP-4

Tgt Ion:168 Resp: 167075

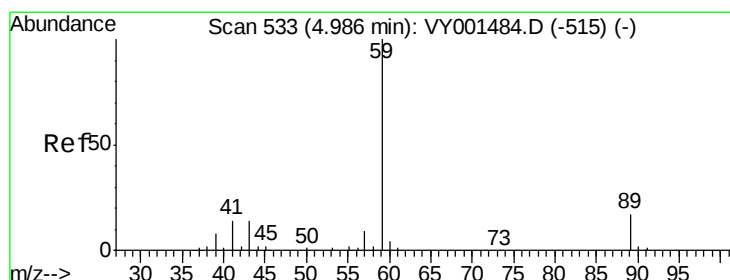
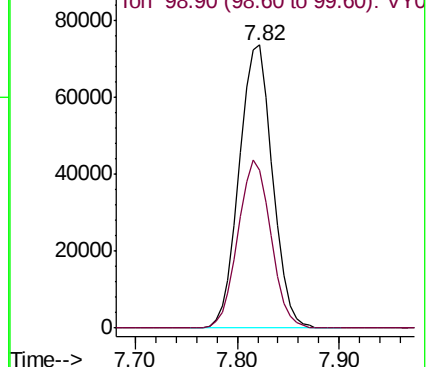
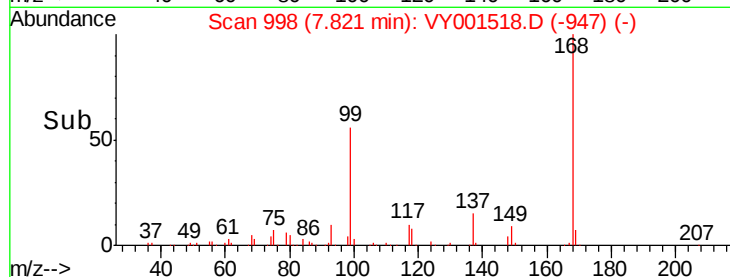
Ion Ratio Lower Upper

168 100

99 56.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001518.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY001518.D

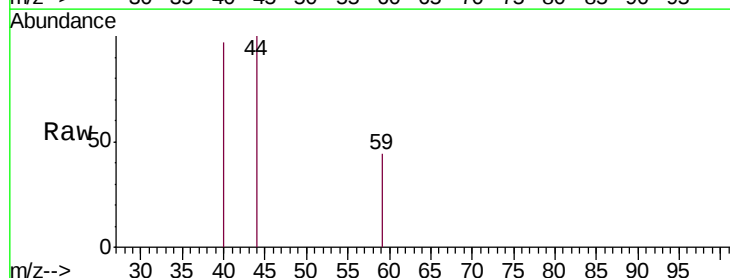
Acq: 05 Feb 2020 19:25

Tgt Ion: 59 Resp: 45

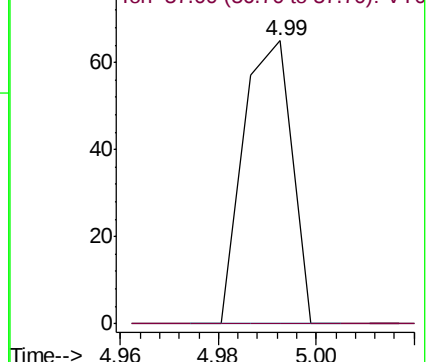
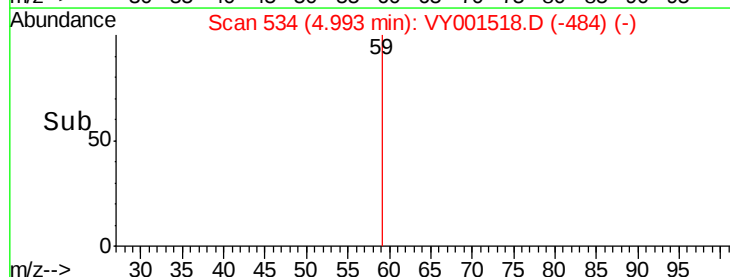
Ion Ratio Lower Upper

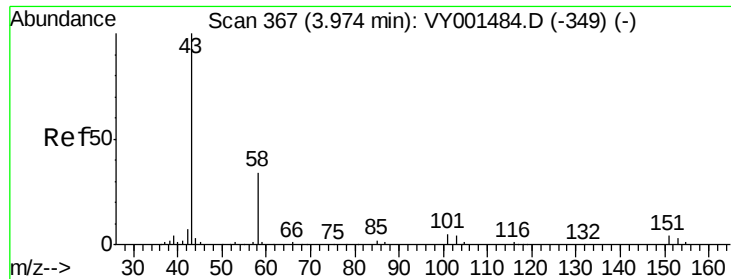
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001518.D (-484) (-)





#16

Acetone

Concen: 4.723 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

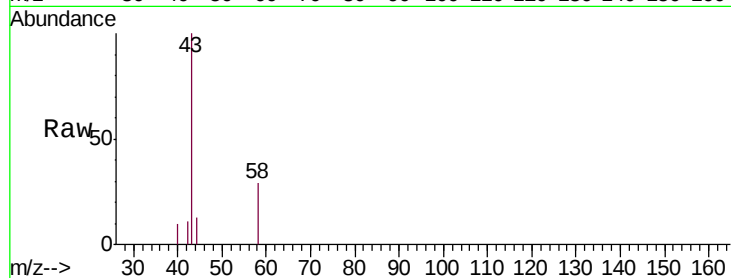
TP-4

Tgt Ion: 43 Resp: 2298

Ion Ratio Lower Upper

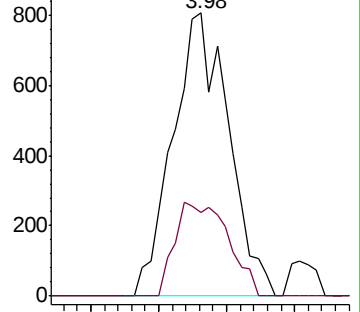
43 100

58 29.4 27.5 41.3

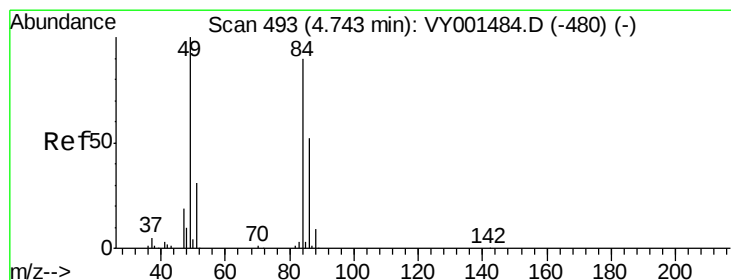
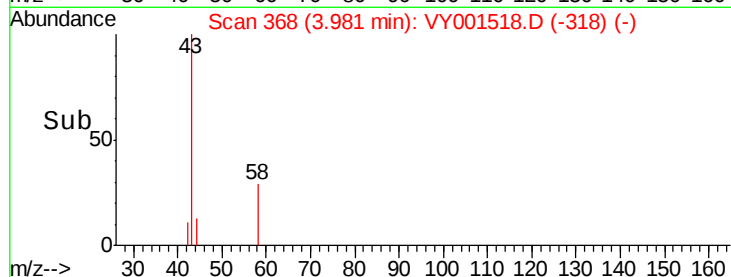


Abundance Ion 43.00 (42.70 to 43.70): VY001518.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VY001518.D (-368) (-)



Time-->



#20

Methylene Chloride

Concen: 1.009 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.00 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Tgt Ion: 84 Resp: 10746

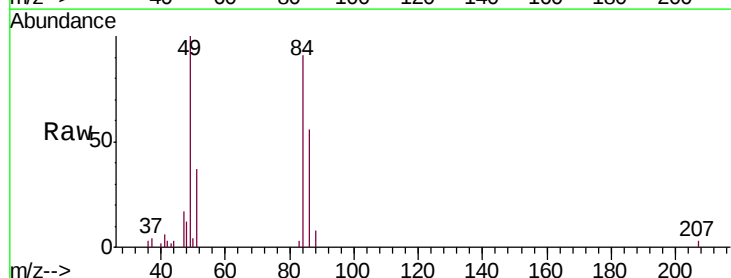
Ion Ratio Lower Upper

84 100

49 109.8 89.0 133.6

51 40.8 27.4 41.2

86 61.3 46.6 70.0

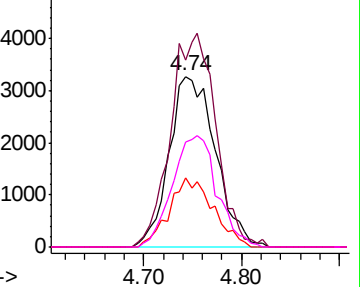


Abundance Ion 83.90 (83.60 to 84.60): VY001518.D (-493) (-)

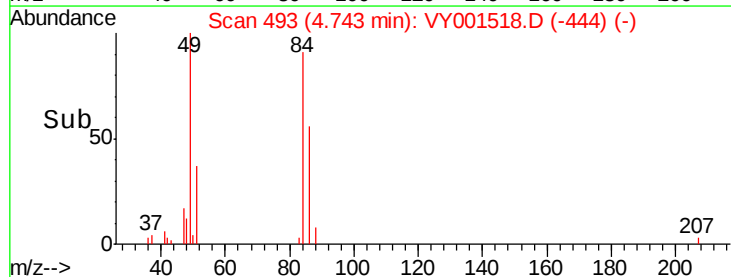
Ion 48.90 (48.60 to 49.60): VY001518.D (-493) (-)

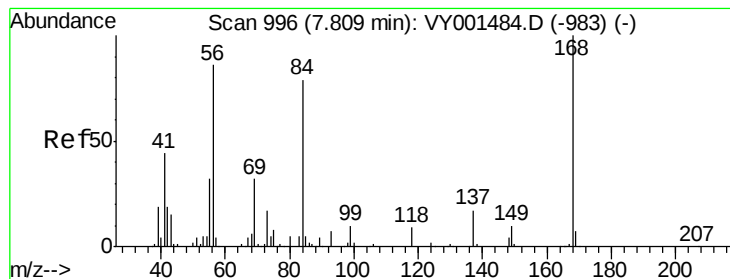
Ion 50.90 (50.60 to 51.60): VY001518.D (-493) (-)

Ion 85.90 (85.60 to 86.60): VY001518.D (-493) (-)



Time-->





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

TP-4

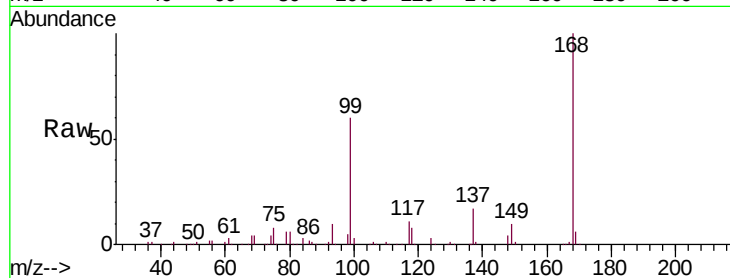
Tgt Ion: 56 Resp: 3560

Ion Ratio Lower Upper

56 100

69 180.7 29.6 44.4#

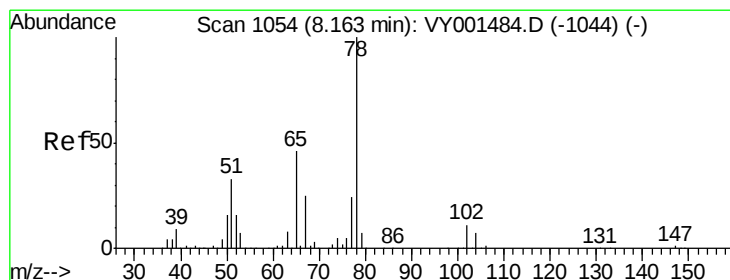
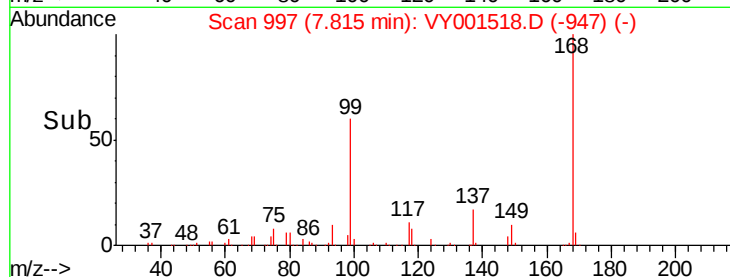
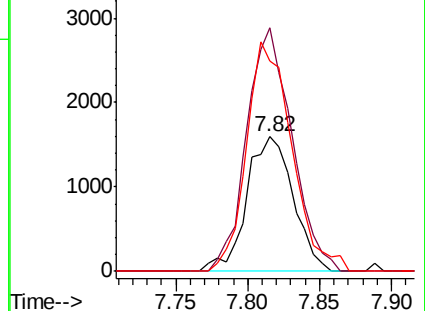
84 155.9 73.6 110.4#



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: 62.878 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001518.D

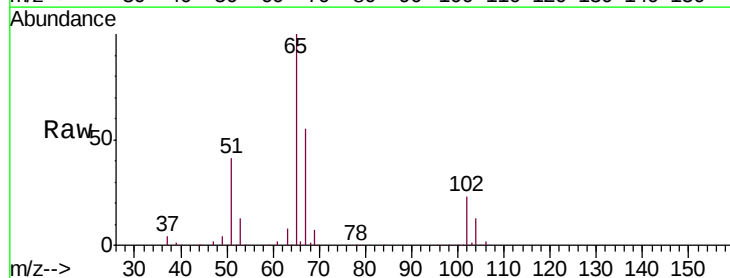
Acq: 05 Feb 2020 19:25

Tgt Ion: 65 Resp: 105773

Ion Ratio Lower Upper

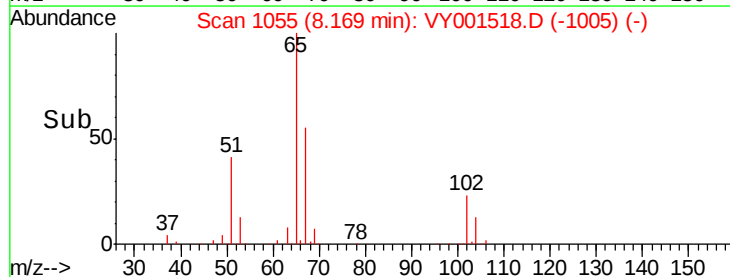
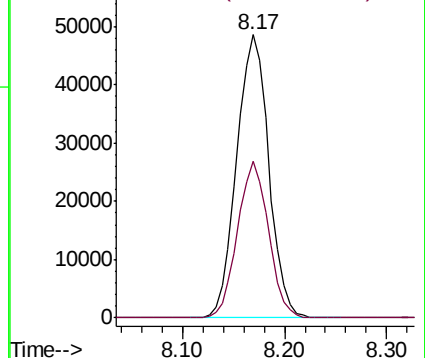
65 100

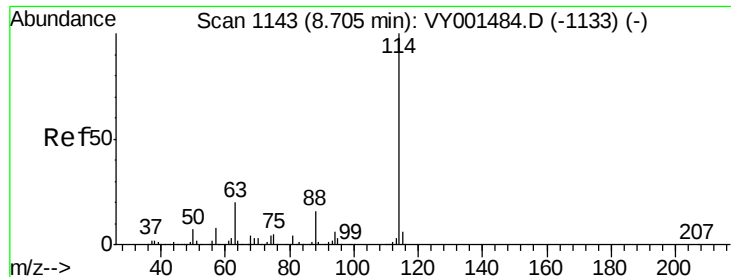
67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

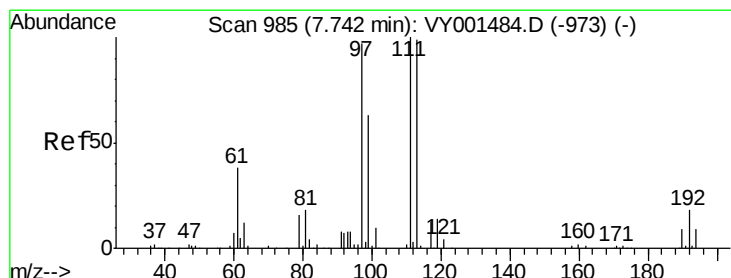
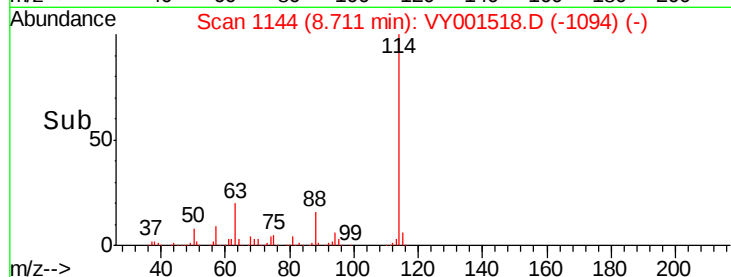
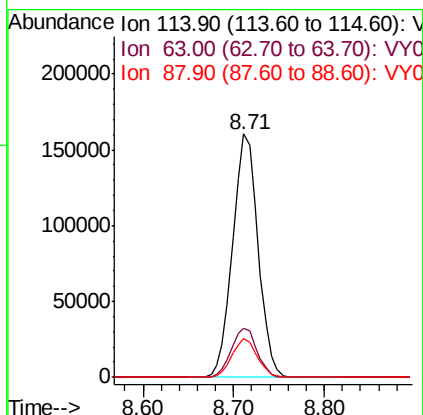
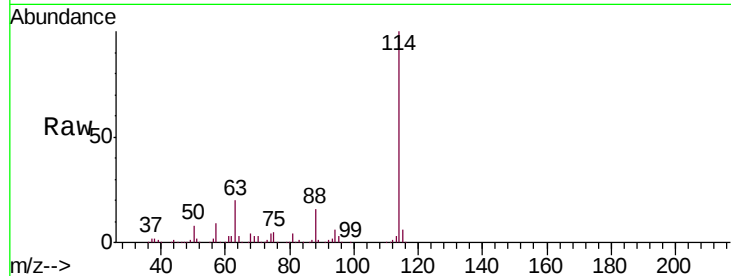




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001518.D
 Acq: 05 Feb 2020 19:25

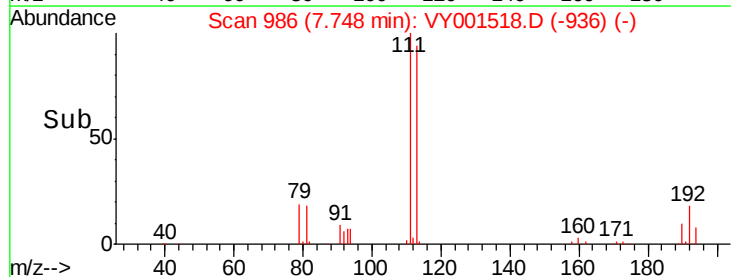
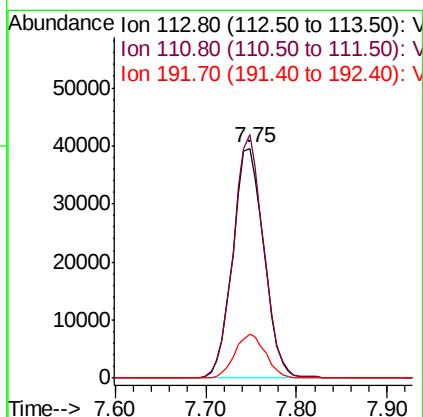
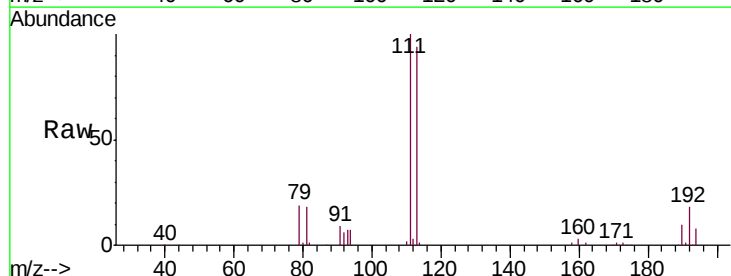
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

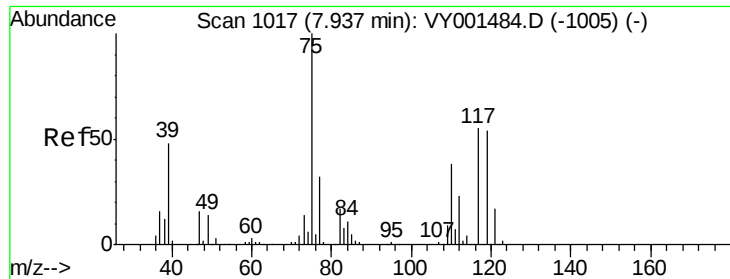
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	16.2	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 52.602 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001518.D
 Acq: 05 Feb 2020 19:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	18.9	14.6	22.0

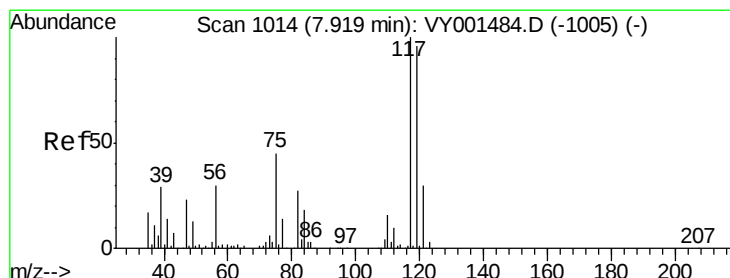
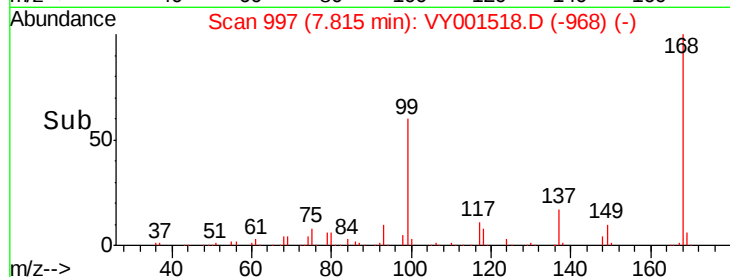
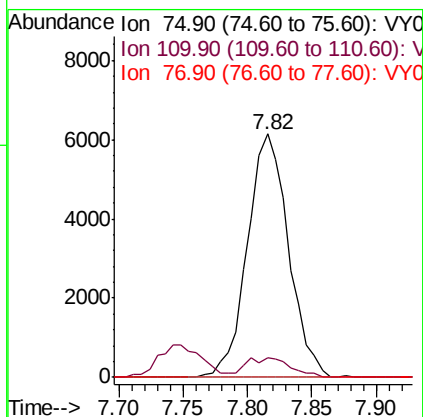
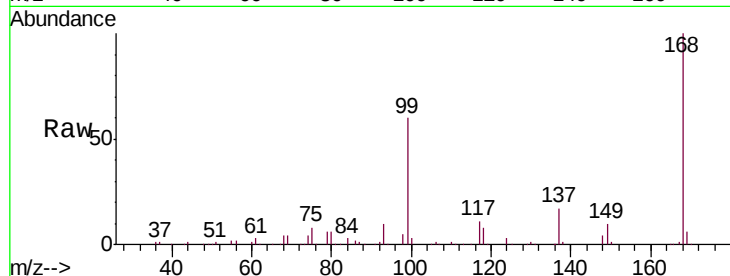




#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001518.D
 Acq: 05 Feb 2020 19:25

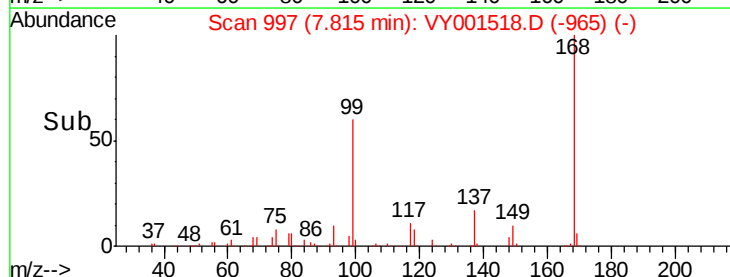
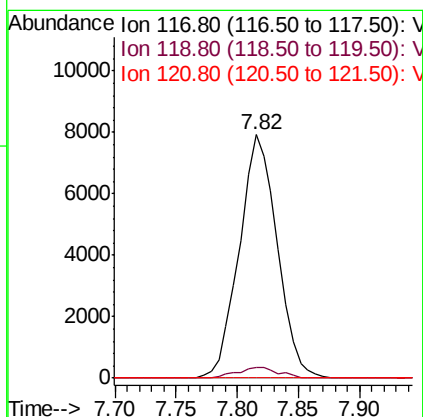
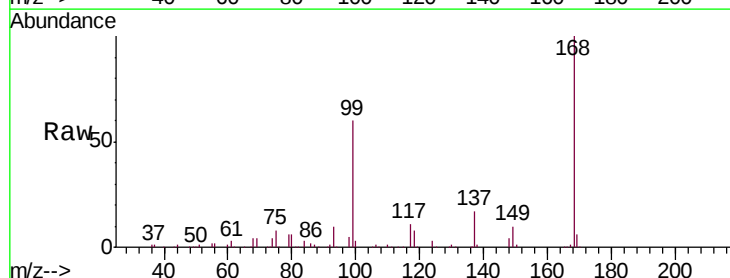
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

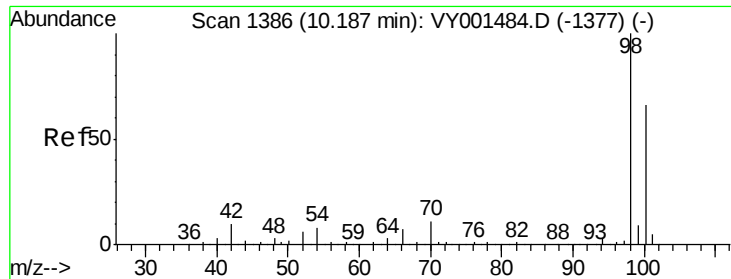
Tgt Ion: 75 Resp: 13521
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.2 54.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.177 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001518.D
 Acq: 05 Feb 2020 19:25

Tgt Ion: 117 Resp: 17049
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.4 114.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 55.111 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampleId :

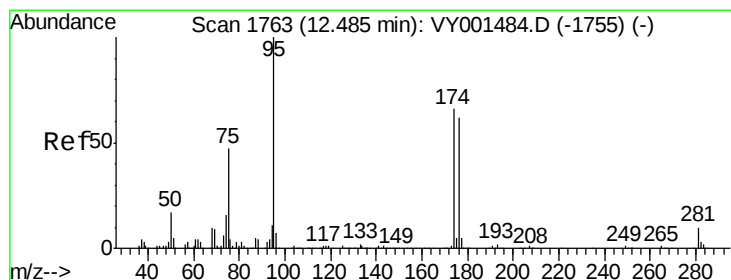
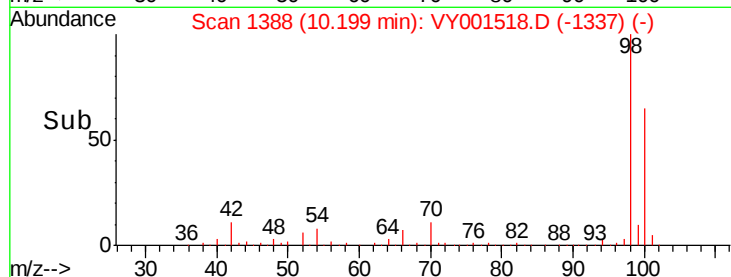
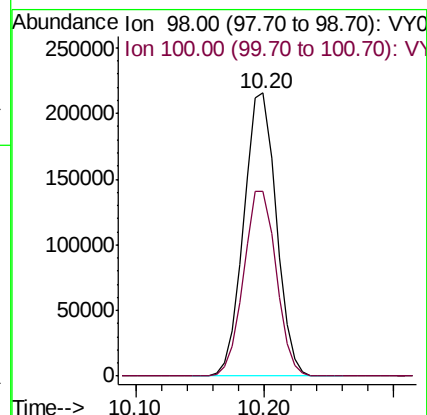
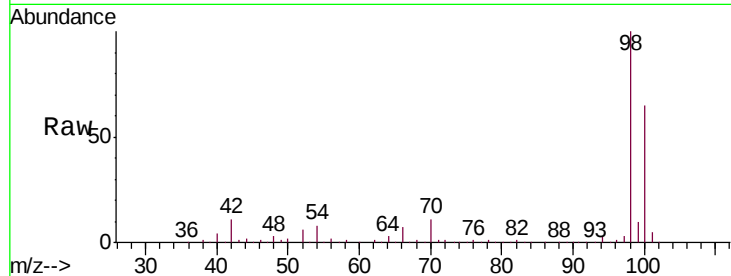
TP-4

Tgt Ion: 98 Resp: 374939

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 54.192 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

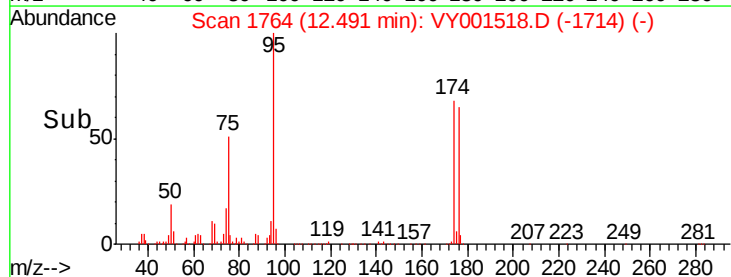
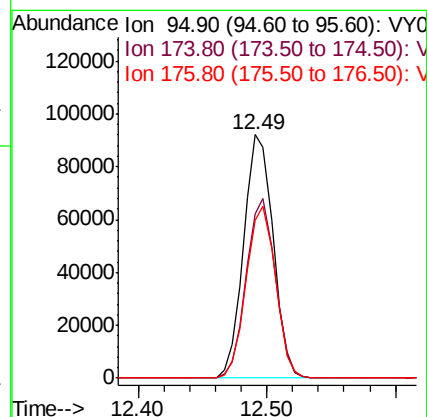
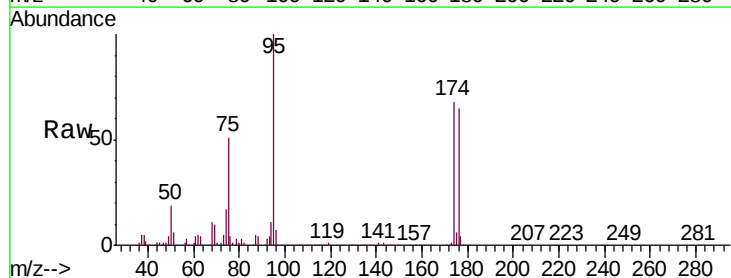
Tgt Ion: 95 Resp: 145244

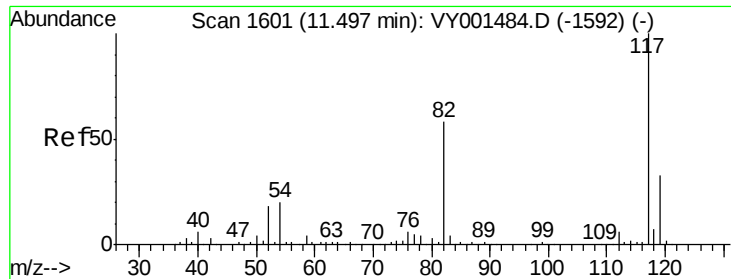
Ion Ratio Lower Upper

95 100

174 72.8 0.0 141.4

176 70.3 0.0 135.4

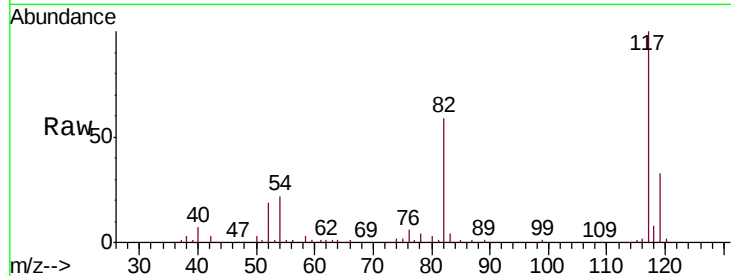




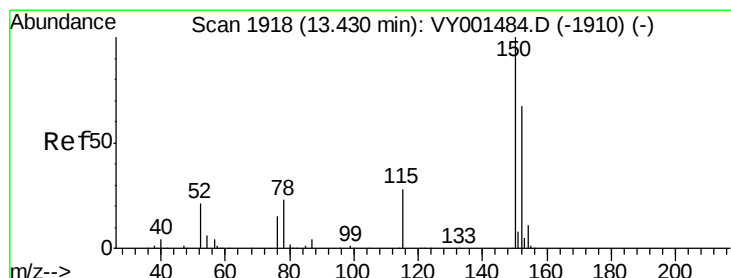
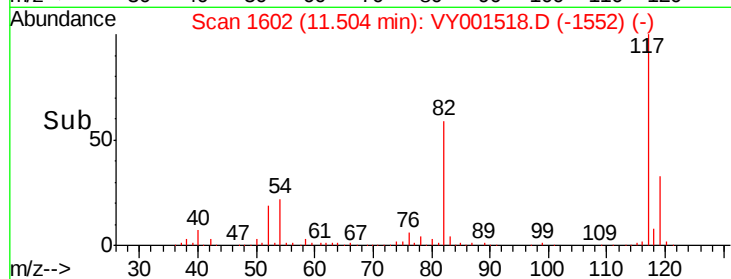
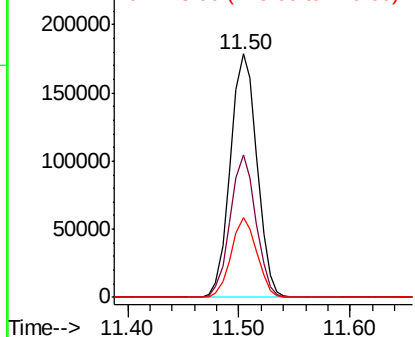
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001518.D
Acq: 05 Feb 2020 19:25

Instrument :
MSVOA_Y
ClientSampled :
TP-4

Tgt Ion:117 Resp: 295322
Ion Ratio Lower Upper
117 100
82 58.6 46.1 69.1
119 32.9 26.1 39.1

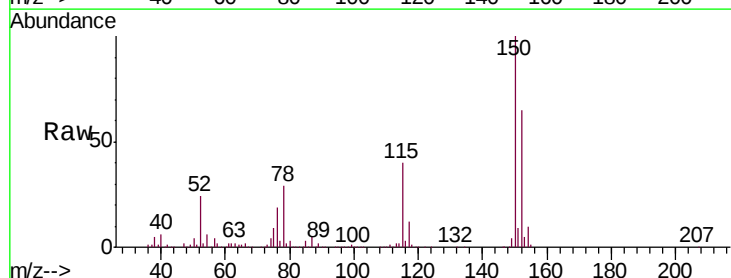


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

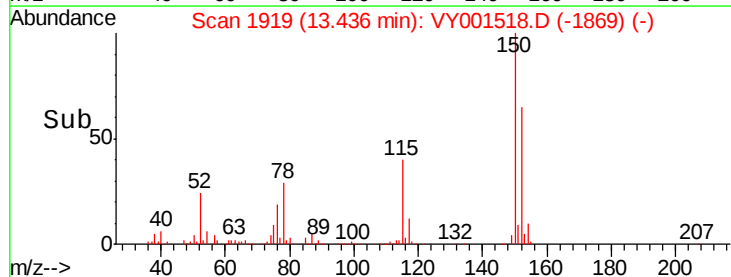
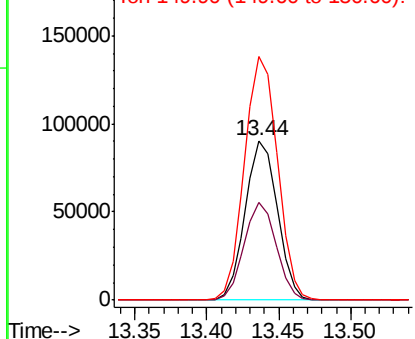


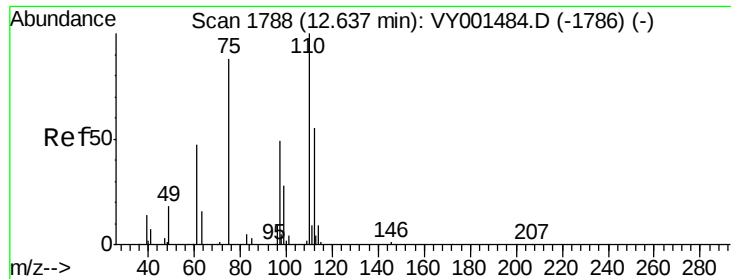
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001518.D
Acq: 05 Feb 2020 19:25

Tgt Ion:152 Resp: 140199
Ion Ratio Lower Upper
152 100
115 61.2 31.4 94.3
150 156.3 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: 47.475 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Instrument :

MSVOA_Y

ClientSampled :

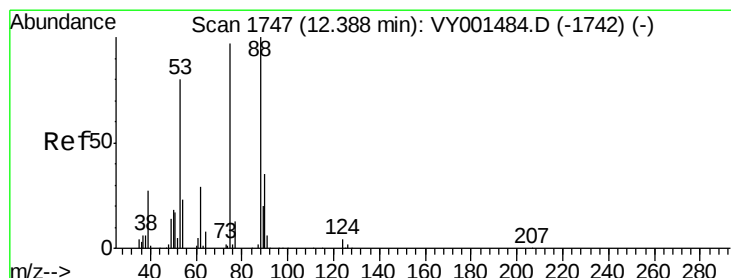
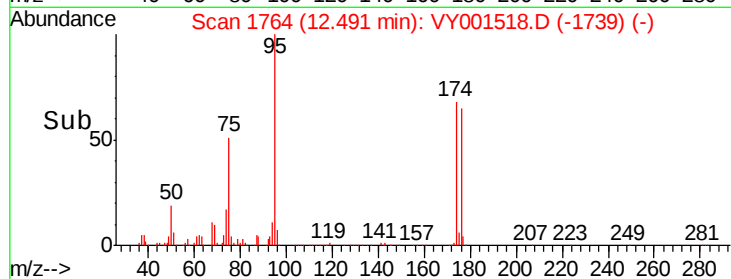
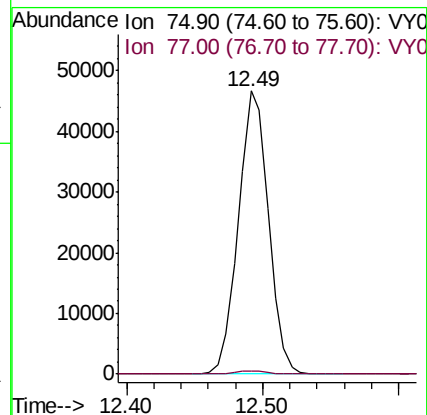
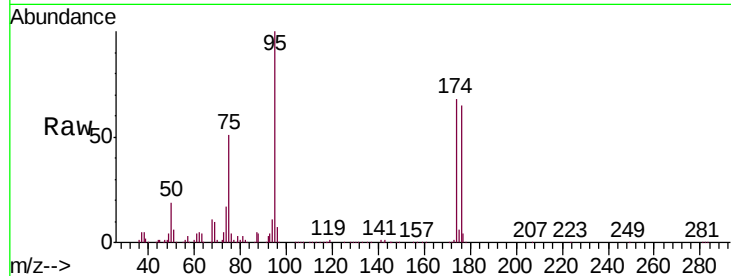
TP-4

Tgt Ion: 75 Resp: 71579

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.863 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001518.D

Acq: 05 Feb 2020 19:25

Tgt Ion: 75 Resp: 71579

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

