

Data File : VY001517.D
Acq On : 05 Feb 2020 19:02
Operator : SY/MD
Sample : L1360-03
Misc : 18.97G/5ML/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: Feb 06 07:01:48 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

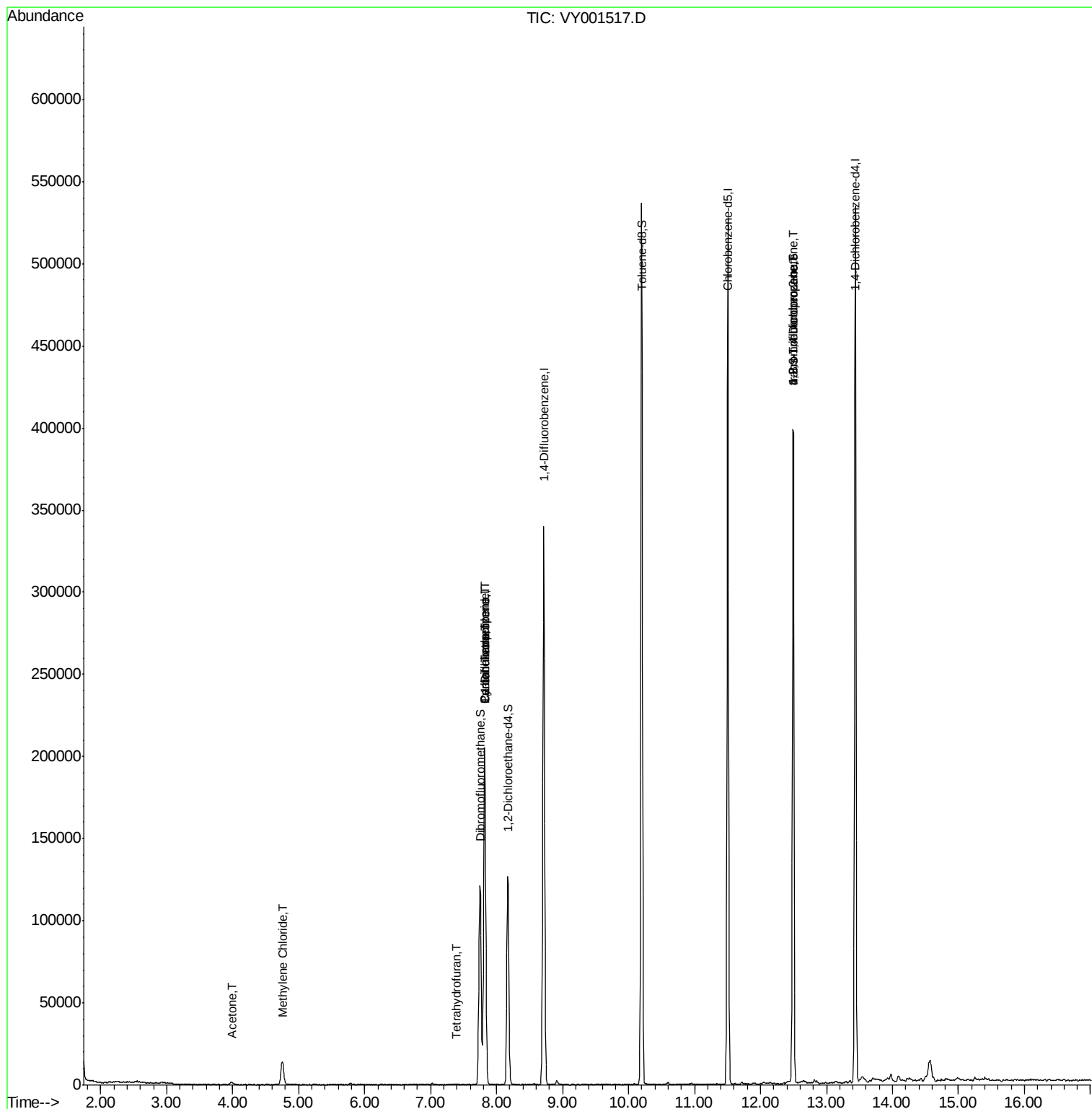
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	157943	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	292744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	98019	61.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.28%	
35) Dibromofluoromethane	7.75	113	88512	52.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.86%	
50) Toluene-d8	10.20	98	350909	54.94	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.88%	
62) 4-Bromofluorobenzene	12.49	95	138040	54.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.72%	
Target Compounds						
16) Acetone	3.99	43	2805	6.098	ug/l	95
20) Methylene Chloride	4.75	84	10737	1.364	ug/l	92
29) Tetrahydrofuran	7.38	42	409	1.143	ug/l #	39
31) Cyclohexane	7.82	56	3243	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12759	4.764	ug/l #	47
38) Carbon Tetrachloride	7.82	117	15548	6.001	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	67826	47.705	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67826	92.307	ug/l #	16

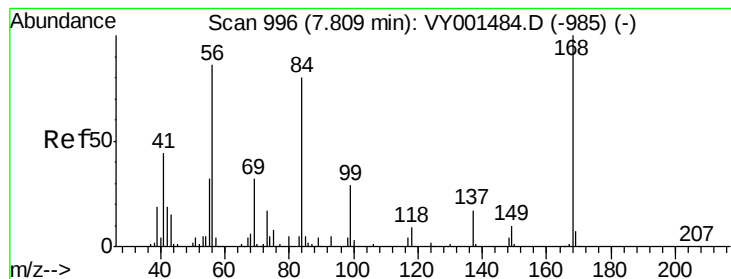
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001517.D

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Instrument :

MSVOA_Y

ClientSampleId :

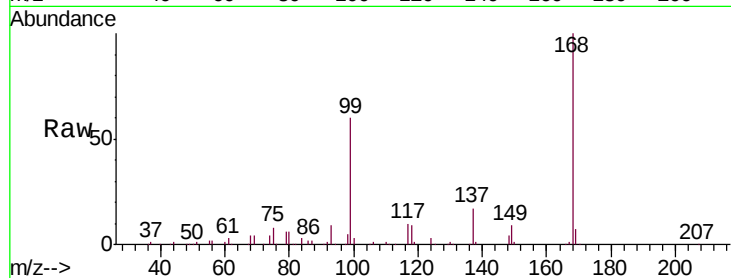
TP-3

Tgt Ion:168 Resp: 157943

Ion Ratio Lower Upper

168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001517.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001517.D (-947) (-)

7.82

60000

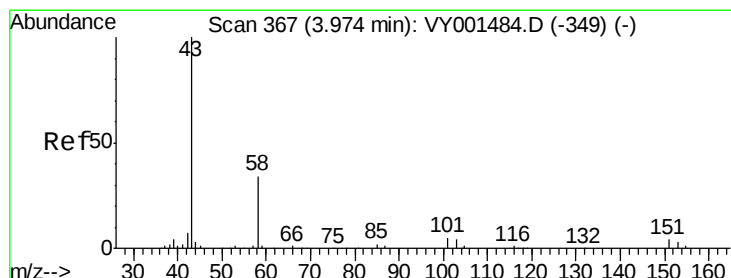
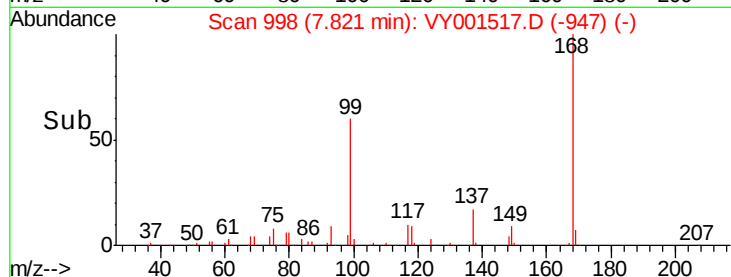
40000

20000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 6.098 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001517.D

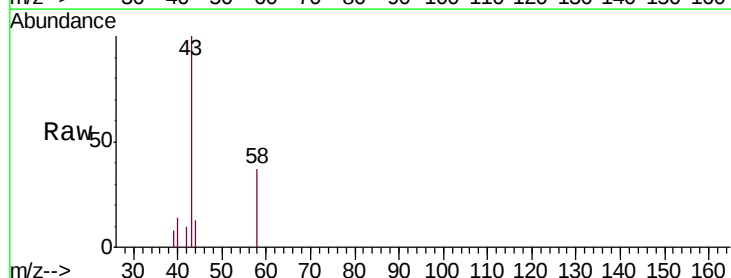
Acq: 05 Feb 2020 19:02

Tgt Ion: 43 Resp: 2805

Ion Ratio Lower Upper

43 100

58 37.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001517.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001517.D (-318) (-)

3.99

1000

800

600

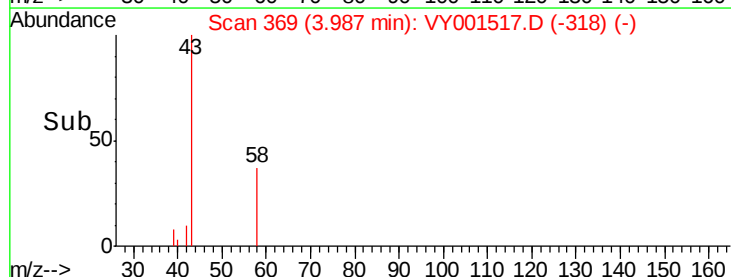
400

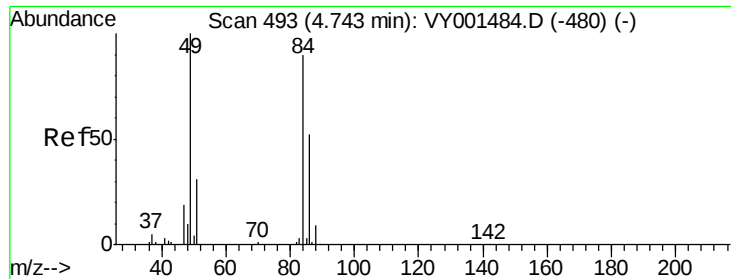
200

0

Time-->

3.90 3.95 4.00 4.05 4.10

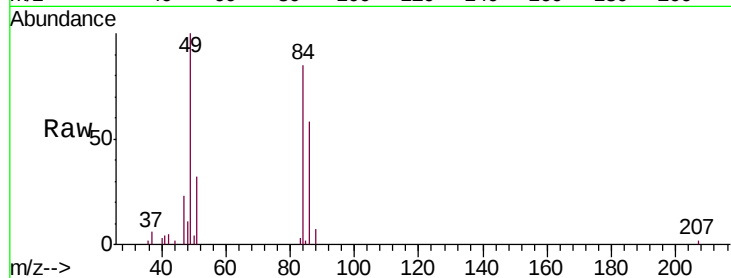




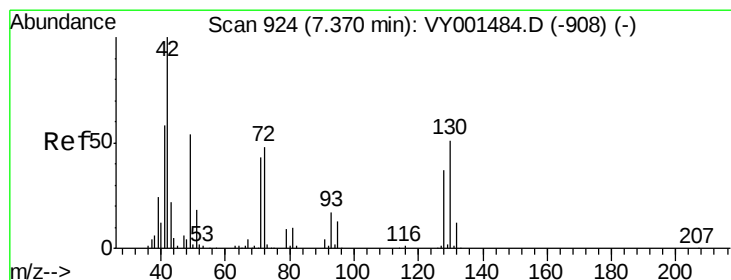
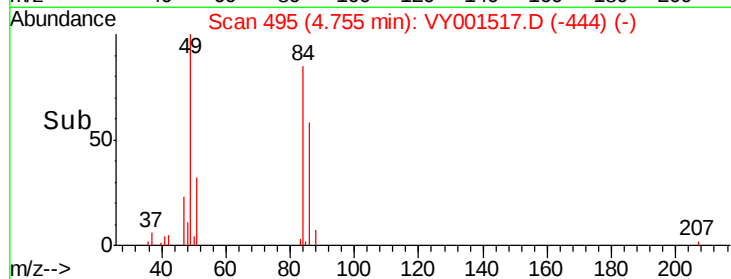
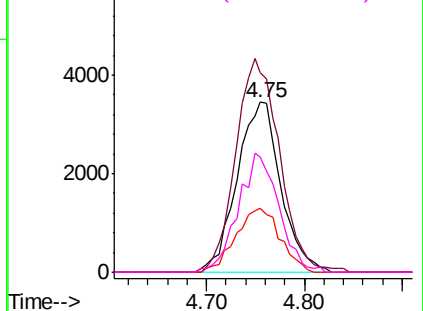
#20
Methylene Chloride
Concen: 1.364 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001517.D
Acq: 05 Feb 2020 19:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:	84	Resp:	10737
Ion	Ratio	Lower	Upper
84	100		
49	117.3	89.0	133.6
51	37.5	27.4	41.2
86	68.2	46.6	70.0

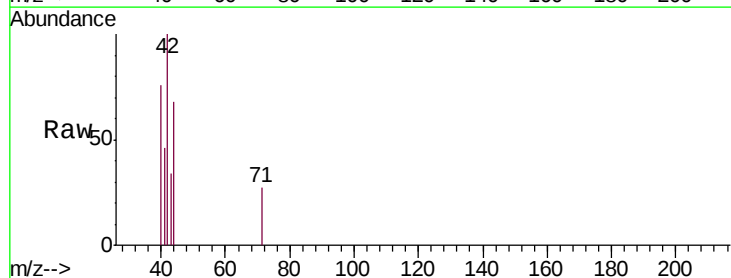


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

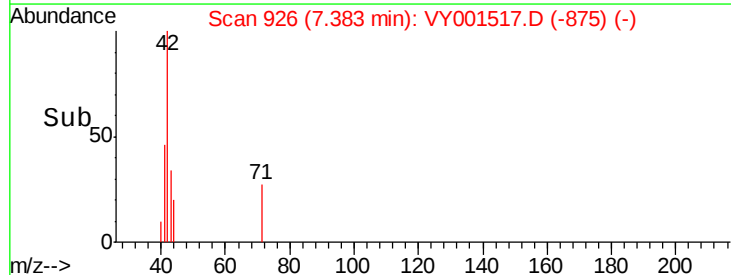
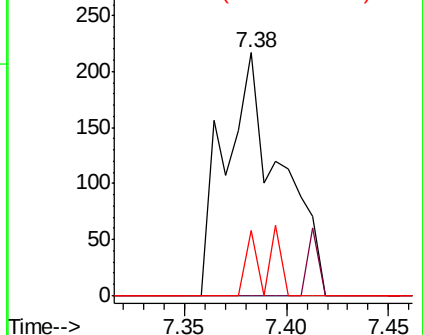


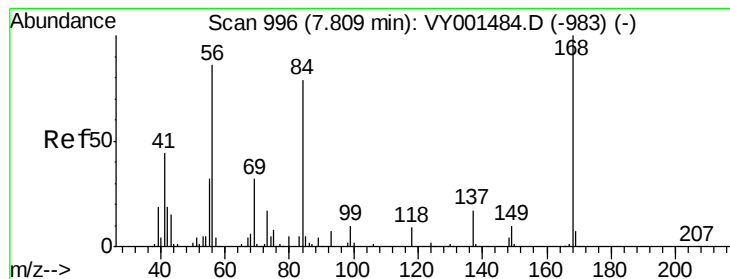
#29
Tetrahydrofuran
Concen: 1.143 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001517.D
Acq: 05 Feb 2020 19:02

Tgt Ion:	42	Resp:	409
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.8	56.6#
71	10.8	34.8	52.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001517.D

Acq: 05 Feb 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

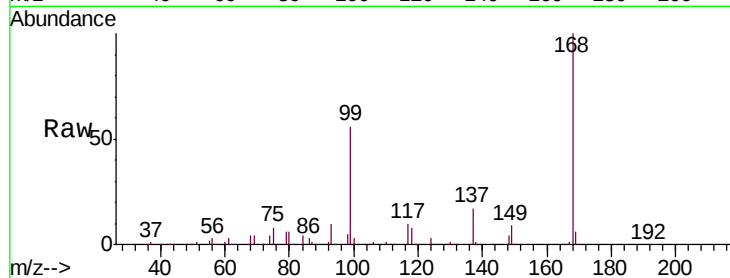
Tgt Ion: 56 Resp: 3243

Ion Ratio Lower Upper

56 100

69 136.1 29.6 44.4#

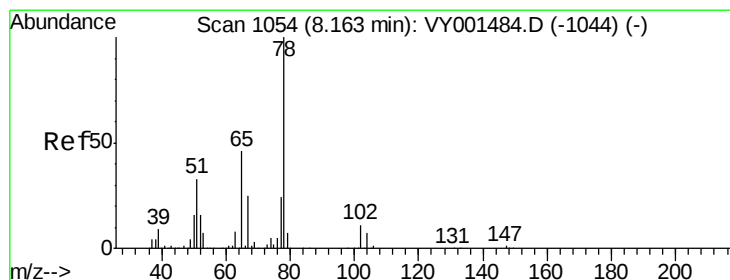
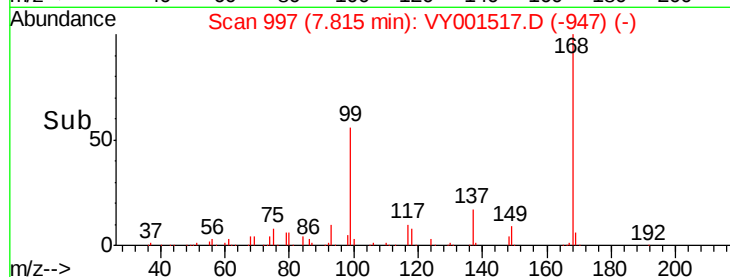
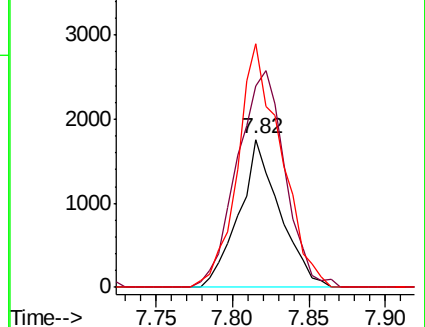
84 164.2 73.6 110.4#



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: 61.637 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001517.D

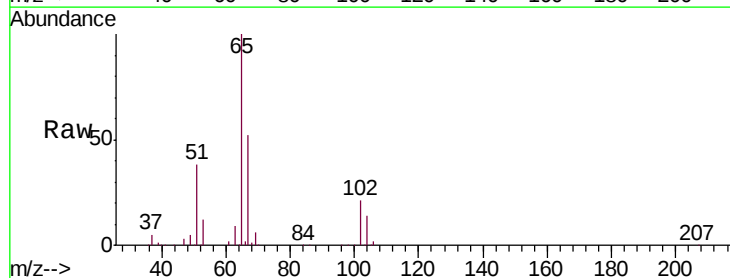
Acq: 05 Feb 2020 19:02

Tgt Ion: 65 Resp: 98019

Ion Ratio Lower Upper

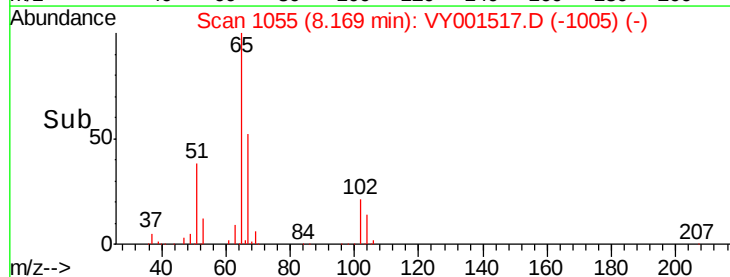
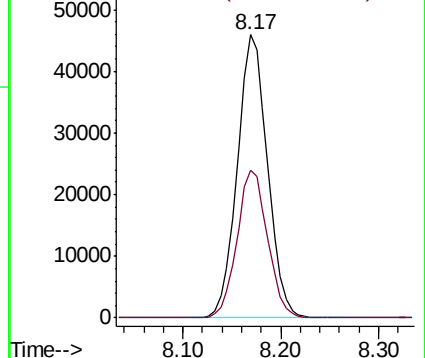
65 100

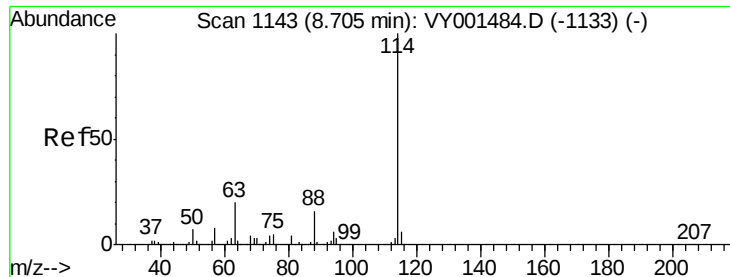
67 52.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

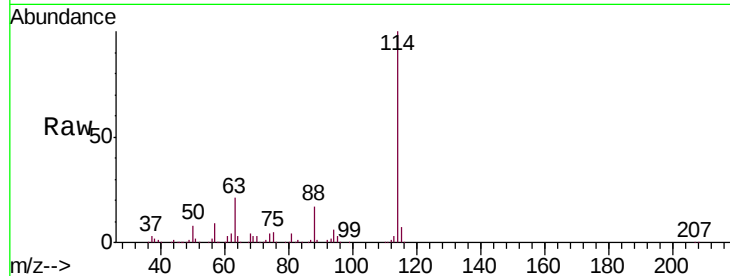




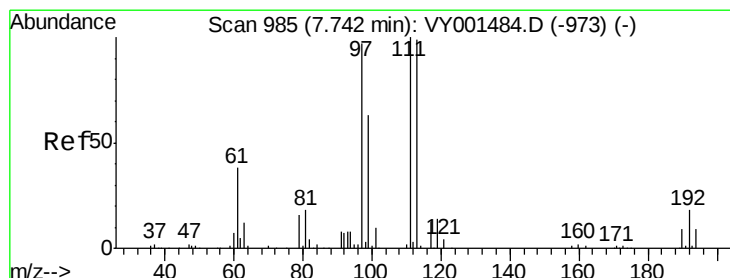
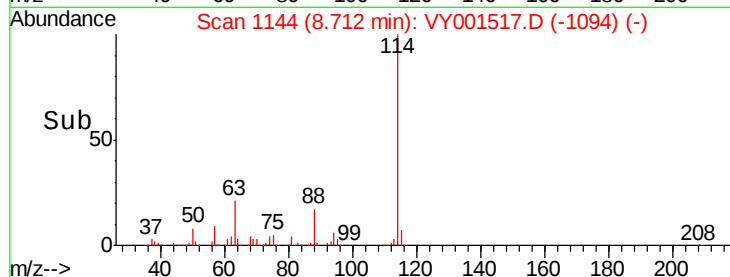
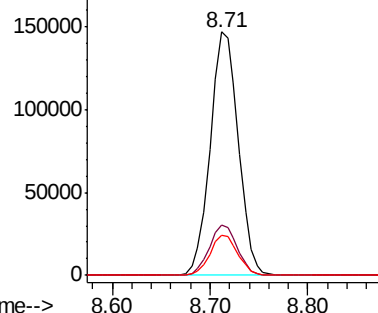
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001517.D
 Acq: 05 Feb 2020 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	39.8
88	16.5	0.0	32.6

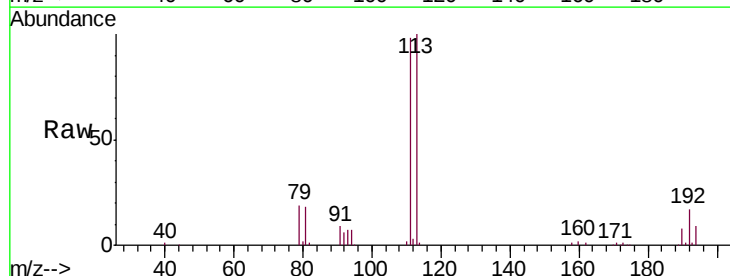


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

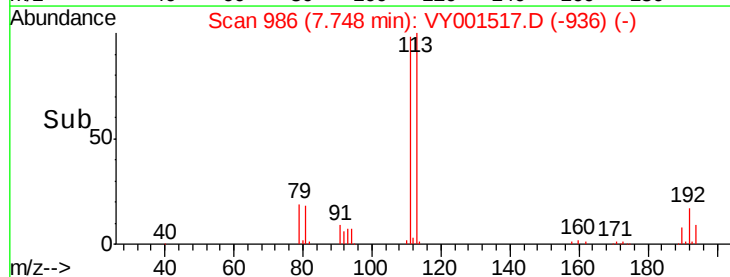
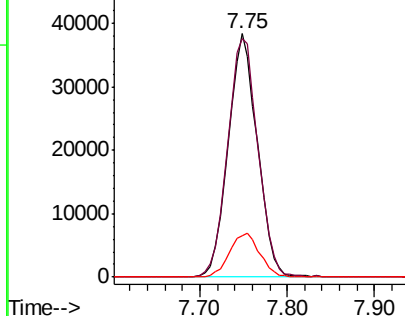


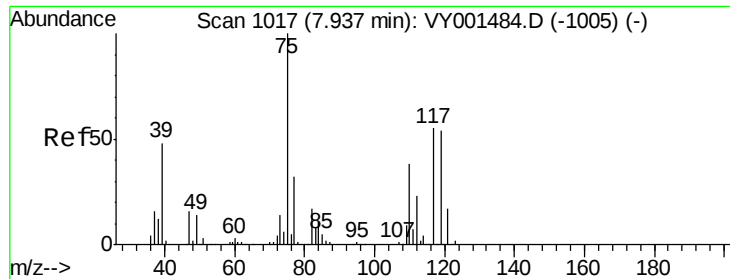
#35
 Dibromofluoromethane
 Concen: 52.433 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001517.D
 Acq: 05 Feb 2020 19:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.7	14.6	22.0



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

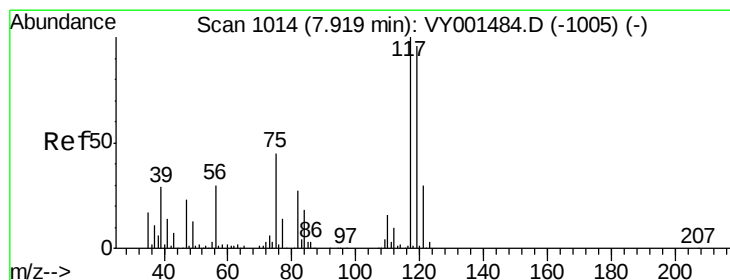
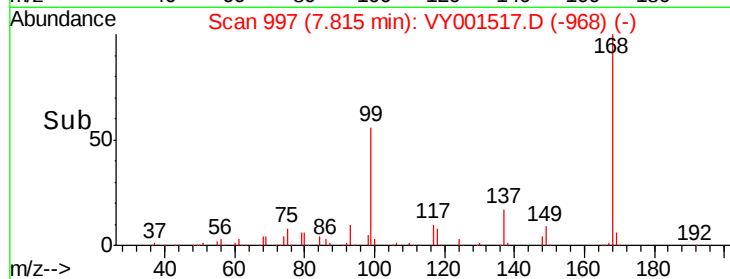
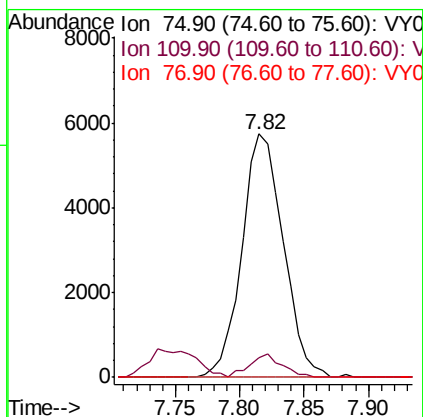
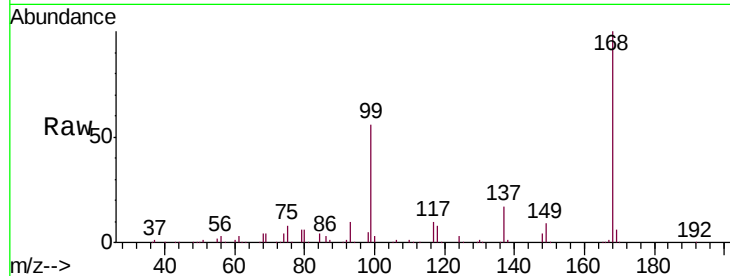




#36
 1,1-Dichloropropene
 Concen: 4.764 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001517.D
 Acq: 05 Feb 2020 19:02

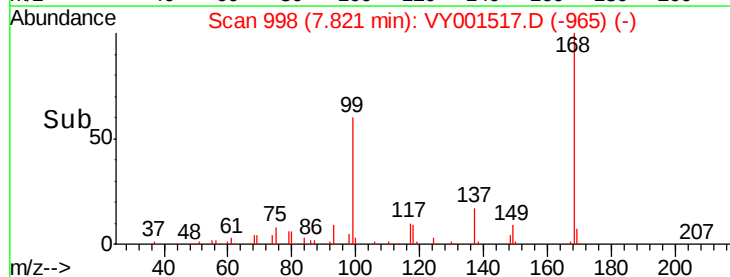
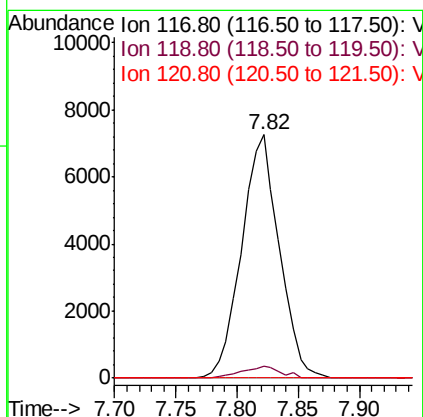
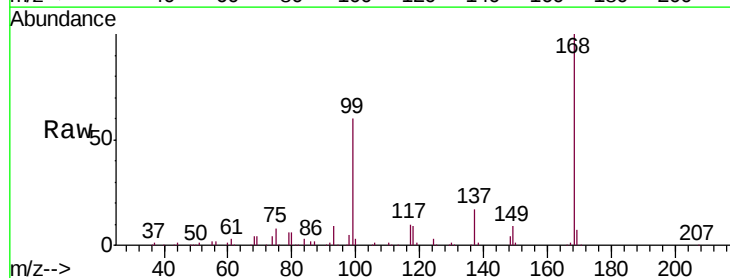
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

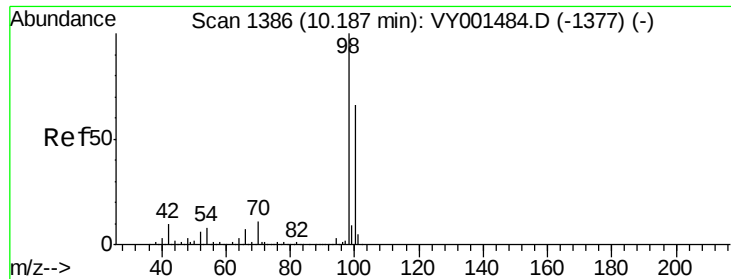
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.001 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001517.D
 Acq: 05 Feb 2020 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 54.943 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001517.D

Acq: 05 Feb 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

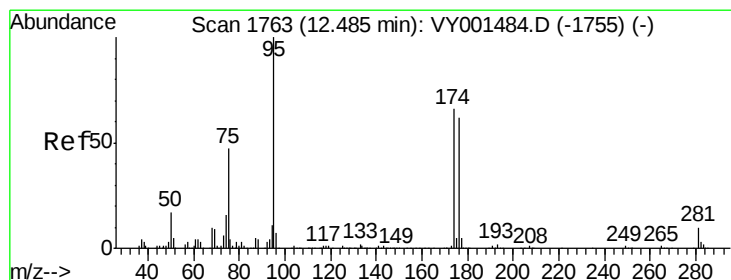
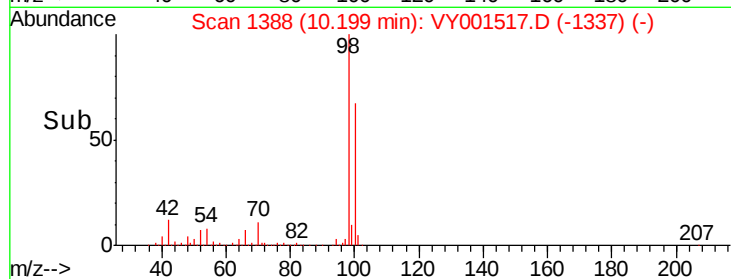
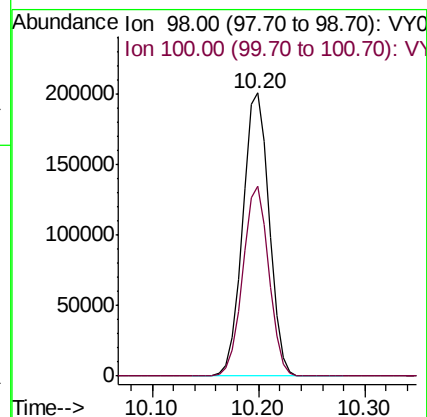
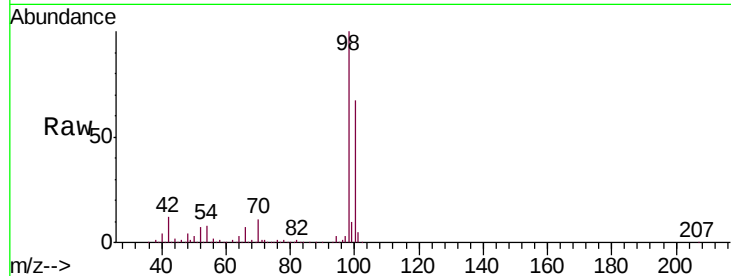
TP-3

Tgt Ion: 98 Resp: 350909

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 54.864 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001517.D

Acq: 05 Feb 2020 19:02

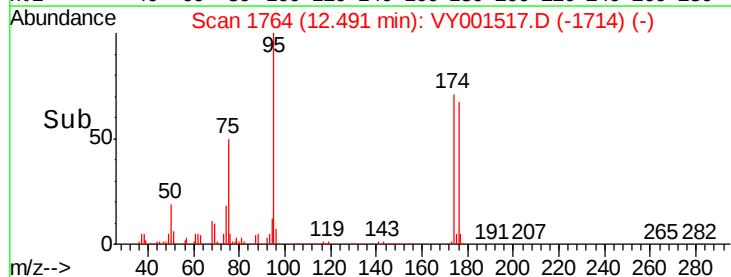
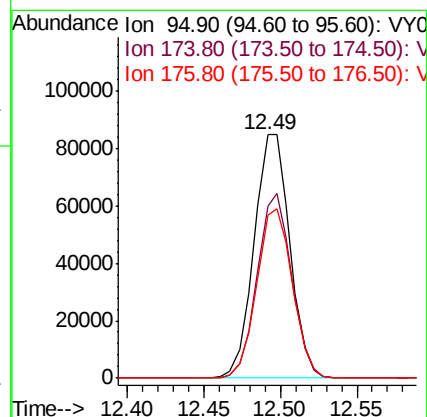
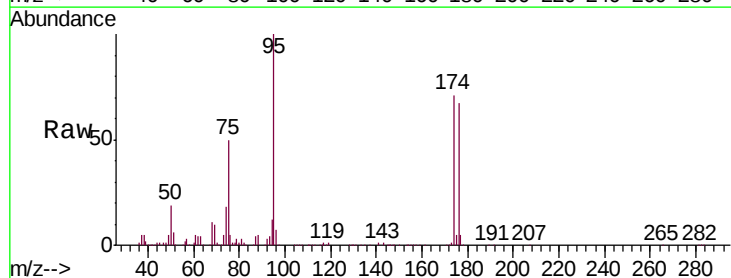
Tgt Ion: 95 Resp: 138040

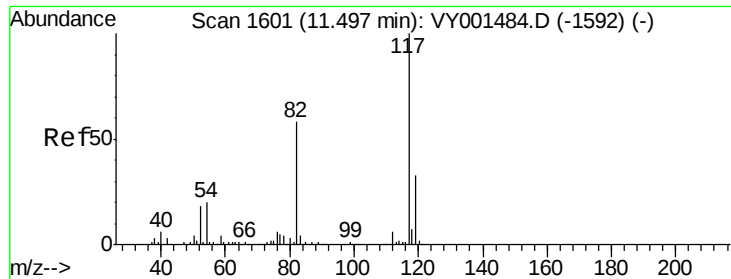
Ion Ratio Lower Upper

95 100

174 73.1 0.0 141.4

176 69.4 0.0 135.4

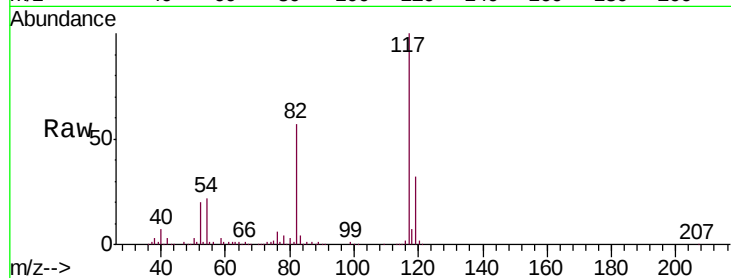




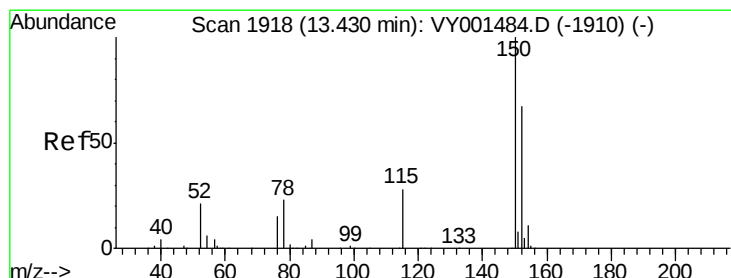
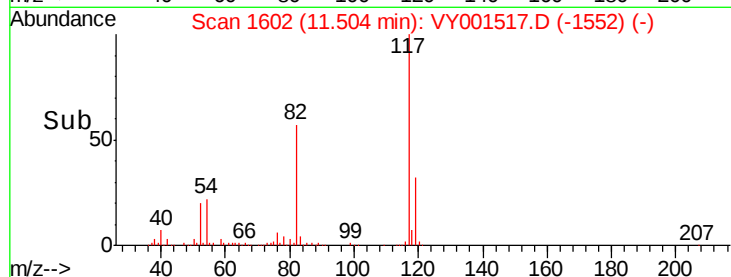
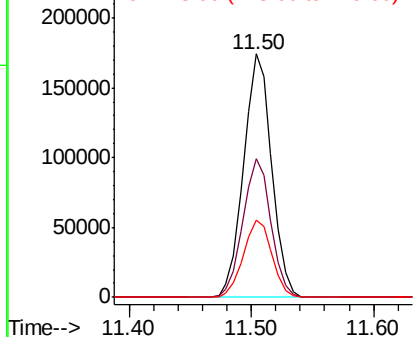
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001517.D
Acq: 05 Feb 2020 19:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 276942
Ion Ratio Lower Upper
117 100
82 56.9 46.1 69.1
119 31.7 26.1 39.1

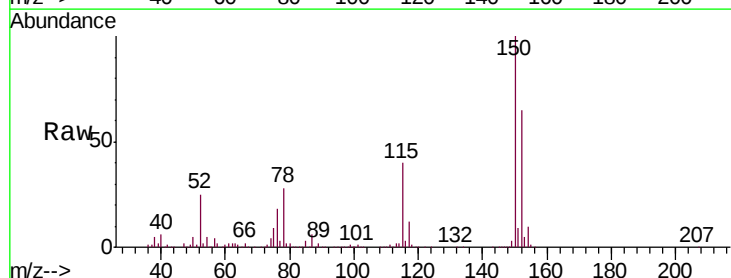


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

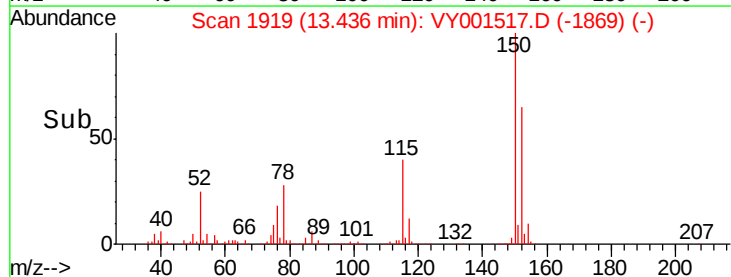
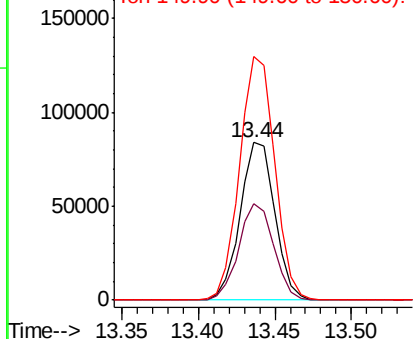


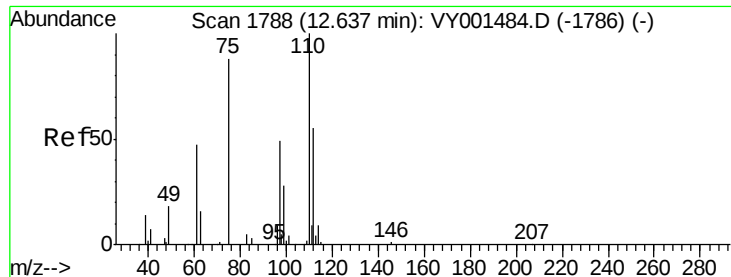
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001517.D
Acq: 05 Feb 2020 19:02

Tgt Ion:152 Resp: 132209
Ion Ratio Lower Upper
152 100
115 61.4 31.4 94.3
150 156.5 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: 47.705 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001517.D

Acq: 05 Feb 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

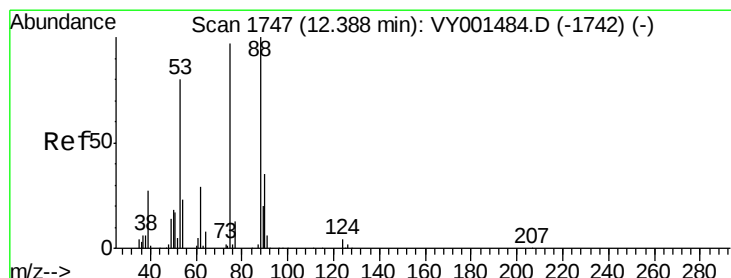
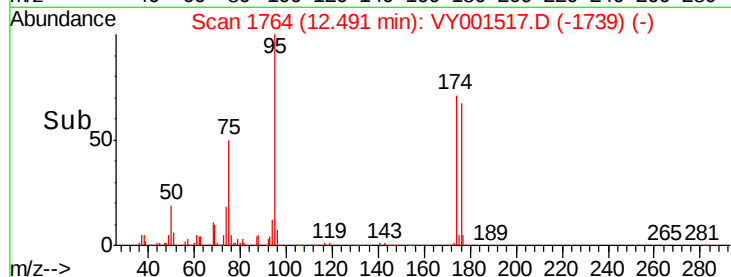
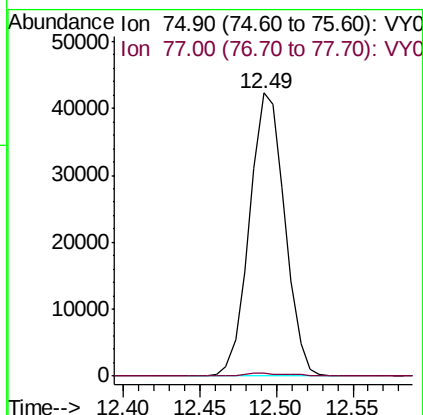
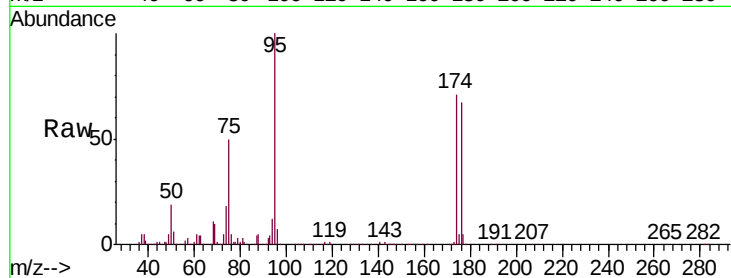
TP-3

Tgt Ion: 75 Resp: 67826

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.307 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001517.D

Acq: 05 Feb 2020 19:02

Tgt Ion: 75 Resp: 67826

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

