

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
 Data File : VY001049.D
 Acq On : 24 Dec 2019 15:39
 Operator : SY/MD
 Sample : K6413-08
 Misc : 5.64G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K005-AB-SB1

Quant Time: Dec 25 01:38:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

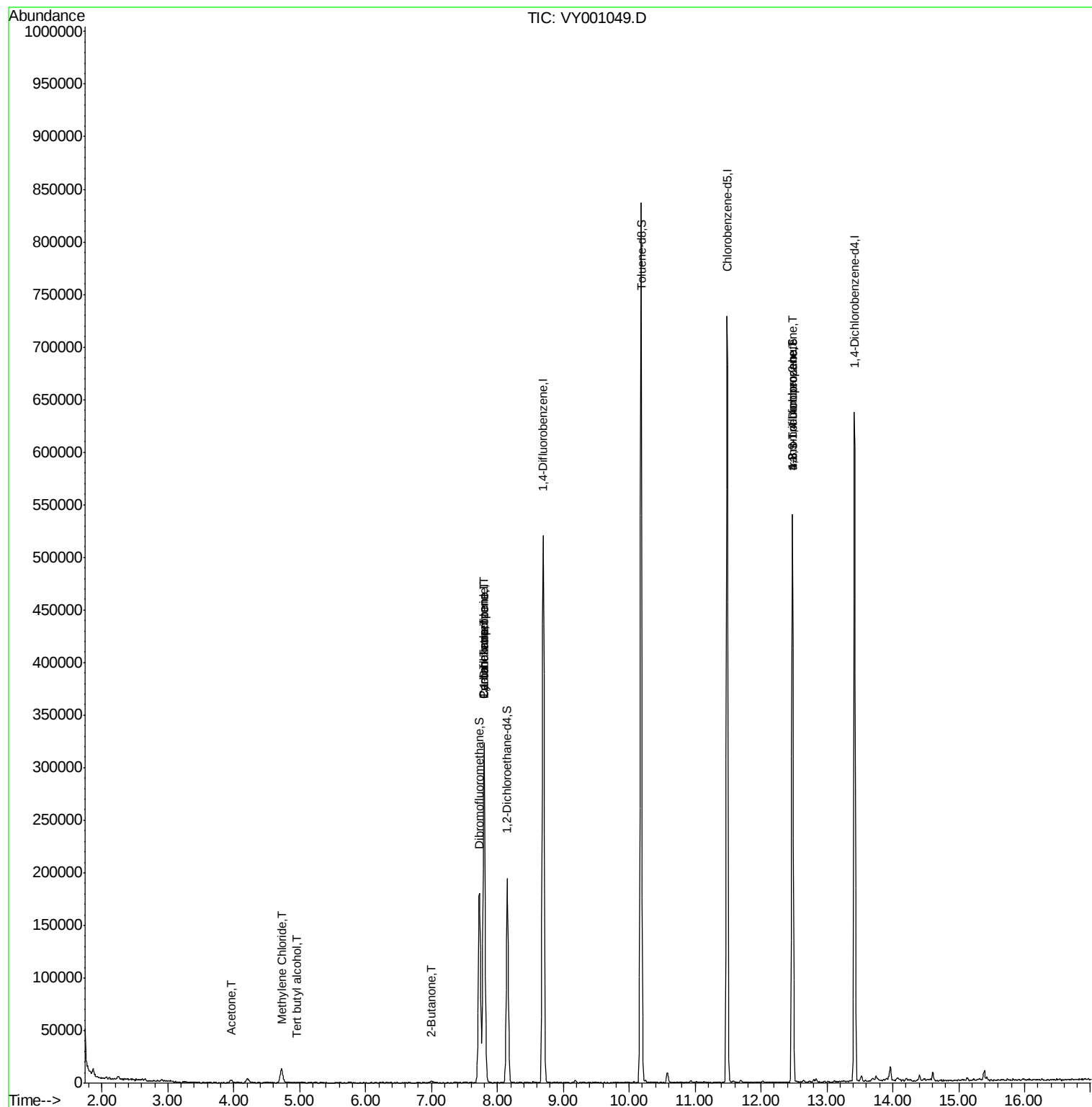
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	247626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	461235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	406304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	137662	56.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.74%	
35) Dibromofluoromethane	7.72	113	133539	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
50) Toluene-d8	10.18	98	542545	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.48	95	168575	43.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.95	59	391	1.456	ug/l #	74
16) Acetone	3.96	43	4961	8.817	ug/l #	82
20) Methylene Chloride	4.72	84	10270	3.101	ug/l #	78
25) 2-Butanone	7.00	43	1588	1.607	ug/l #	80
31) Cyclohexane	7.79	56	5943	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19631	4.461	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25427	6.596	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	81411	41.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81411	88.887	ug/l #	19

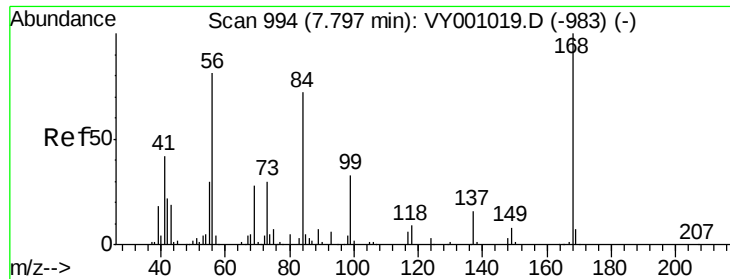
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

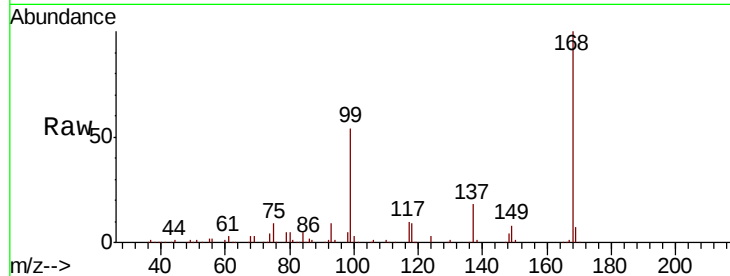
K005-AB-SB1

Tgt Ion:168 Resp: 247626

Ion Ratio Lower Upper

168 100

99 54.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

120000

100000

80000

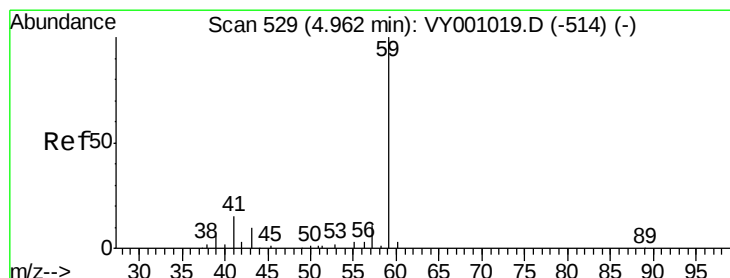
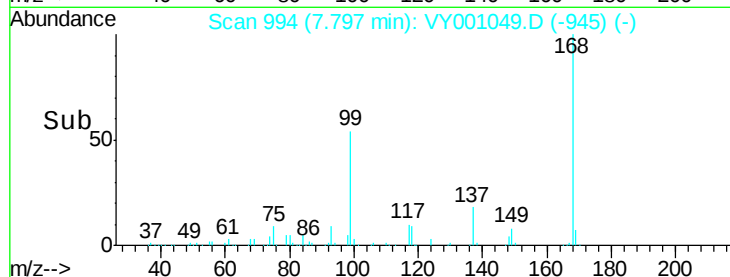
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.456 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY001049.D

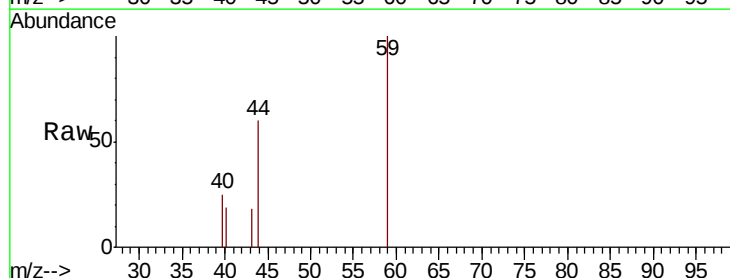
Acq: 24 Dec 2019 15:39

Tgt Ion: 59 Resp: 391

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.95

300

250

200

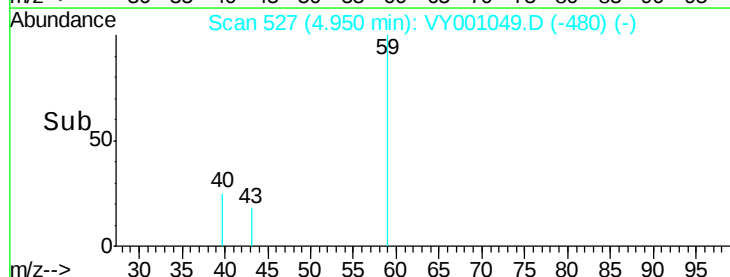
150

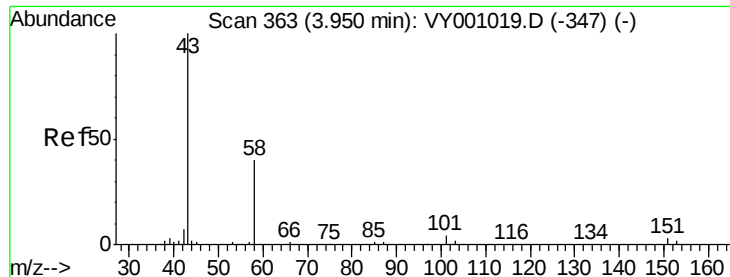
100

50

0

Time-->





#16

Acetone

Concen: 8.817 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

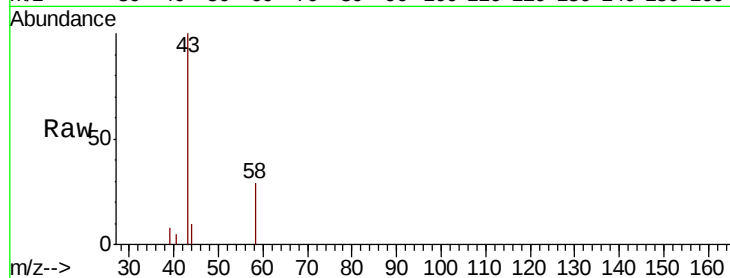
K005-AB-SB1

Tgt Ion: 43 Resp: 4961

Ion Ratio Lower Upper

43 100

58 28.9 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.96

2000

1500

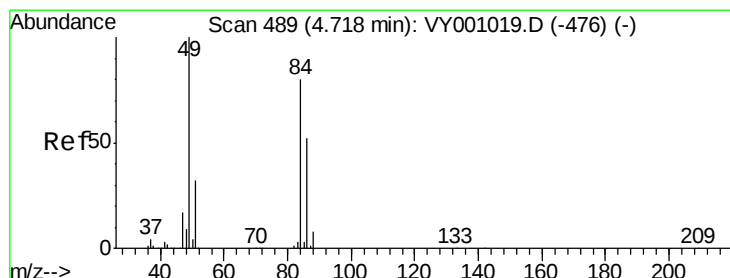
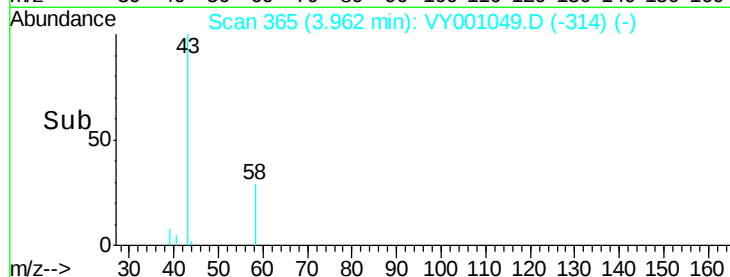
1000

500

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 3.101 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Tgt Ion: 84 Resp: 10270

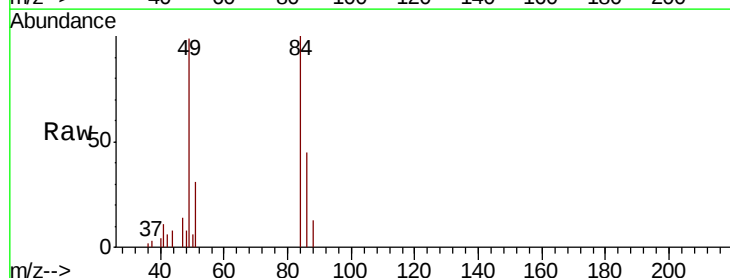
Ion Ratio Lower Upper

84 100

49 98.6 99.8 149.6#

51 31.1 31.4 47.2#

86 45.4 52.2 78.2#



Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001019.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001019.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001019.D (-476) (-)

6000

5000

4000

3000

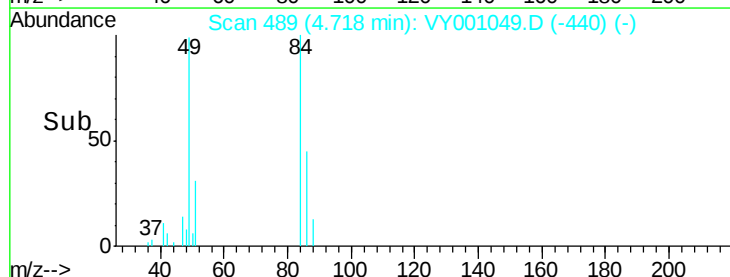
2000

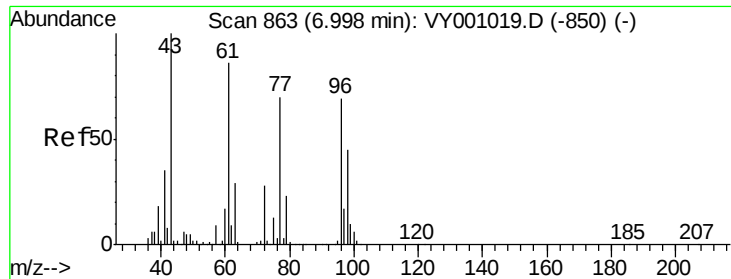
1000

0

Time-->

4.60 4.65 4.70 4.75 4.80





#25

2-Butanone

Concen: 1.607 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

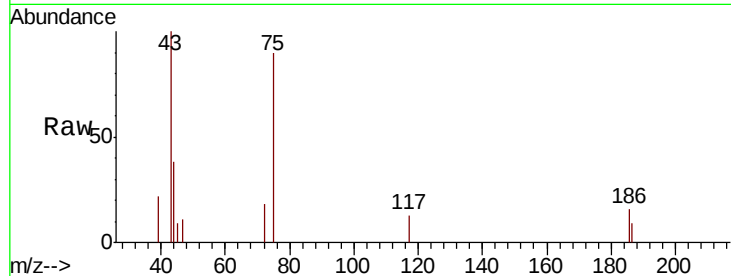
K005-AB-SB1

Tgt Ion: 43 Resp: 1588

Ion Ratio Lower Upper

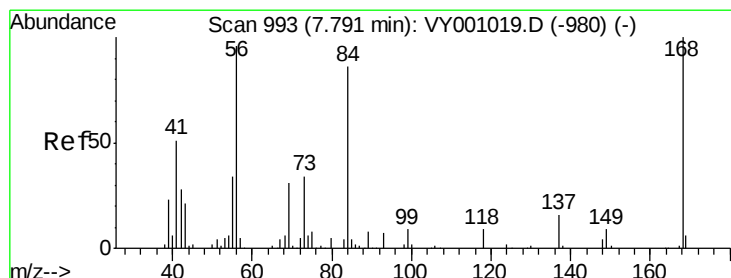
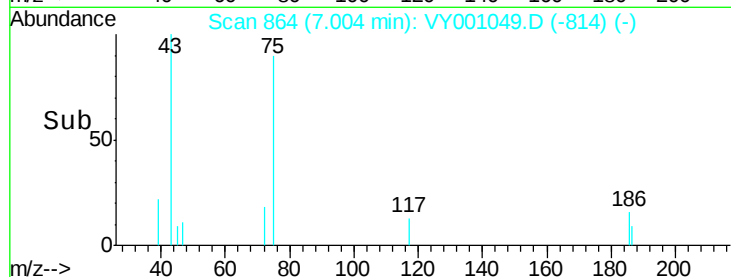
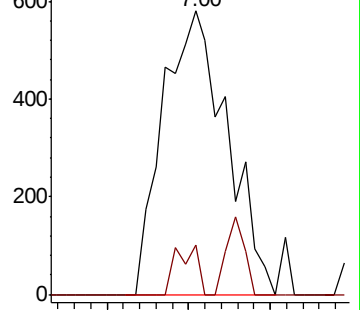
43 100

72 17.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

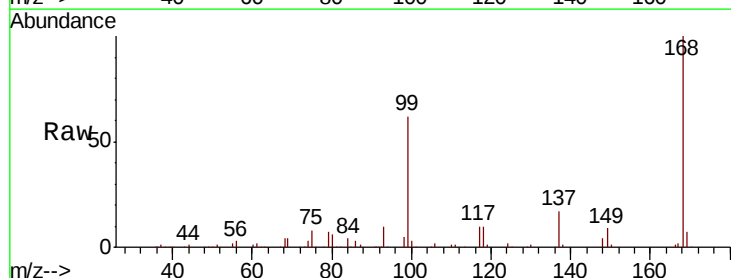
Tgt Ion: 56 Resp: 5943

Ion Ratio Lower Upper

56 100

69 138.9 26.1 39.1#

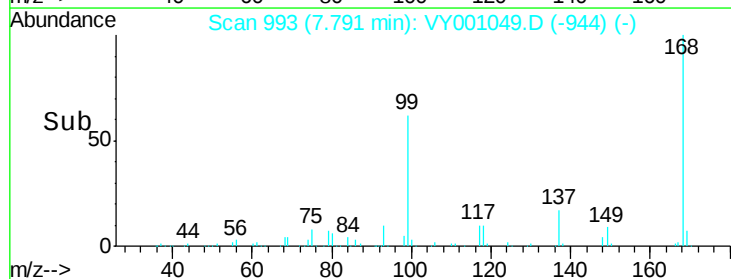
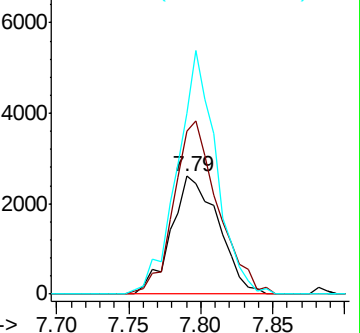
84 154.0 71.8 107.8#

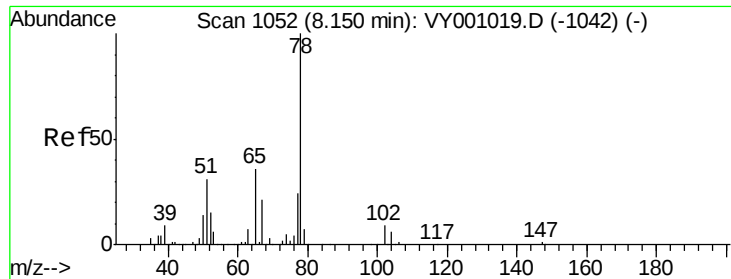


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

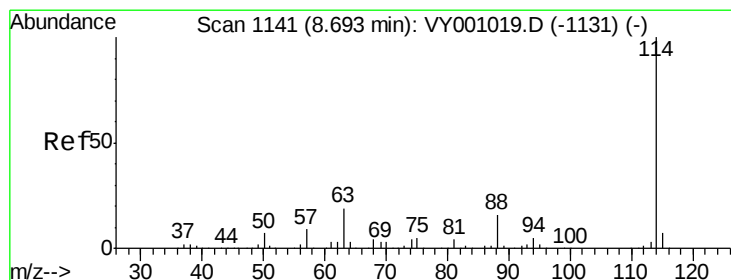
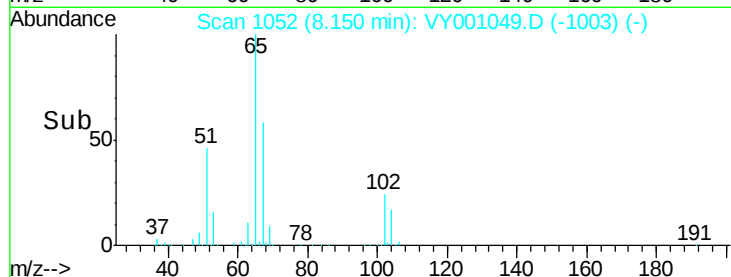
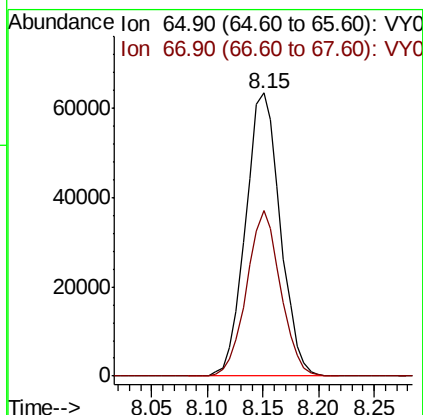
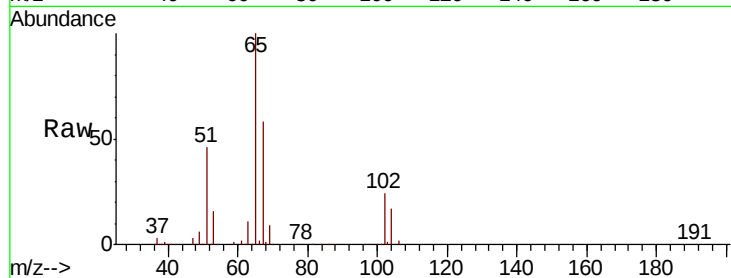




#33
 1,2-Dichloroethane-d4
 Concen: 56.366 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001049.D
 Acq: 24 Dec 2019 15:39

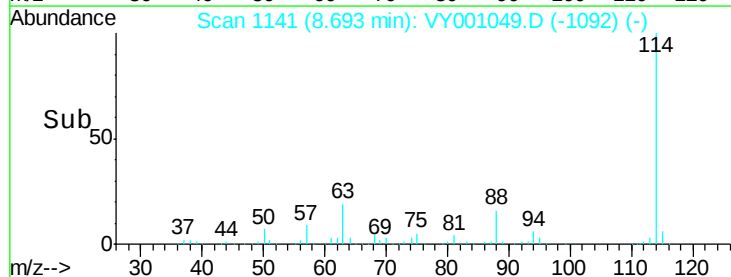
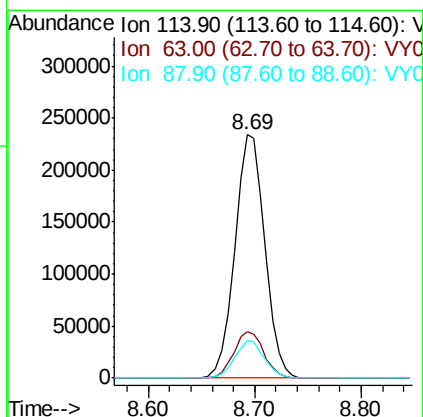
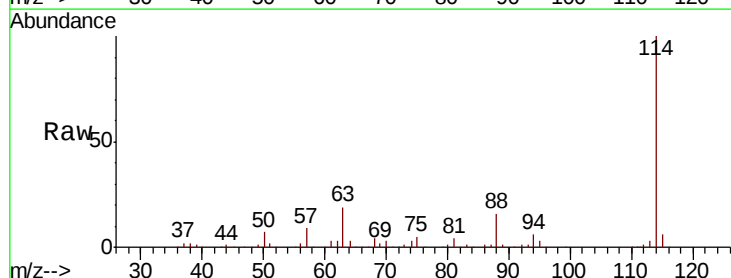
Instrument :
 MSVOA_Y
 ClientSampleId :
 K005-AB-SB1

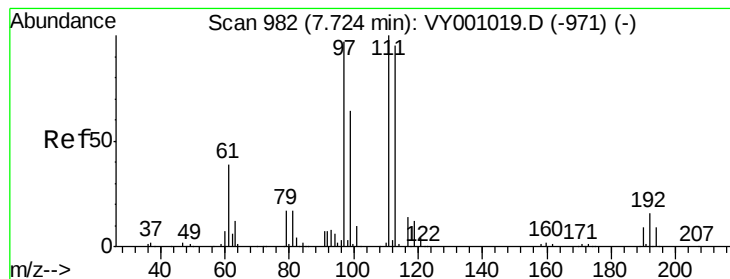
Tgt Ion: 65 Resp: 137662
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001049.D
 Acq: 24 Dec 2019 15:39

Tgt Ion: 114 Resp: 461235
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.167 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

K005-AB-SB1

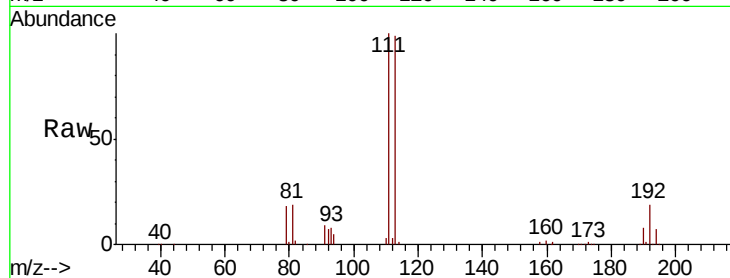
Tgt Ion:113 Resp: 133539

Ion Ratio Lower Upper

113 100

111 104.6 83.0 124.4

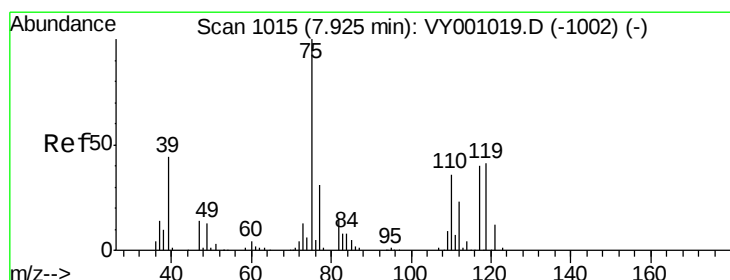
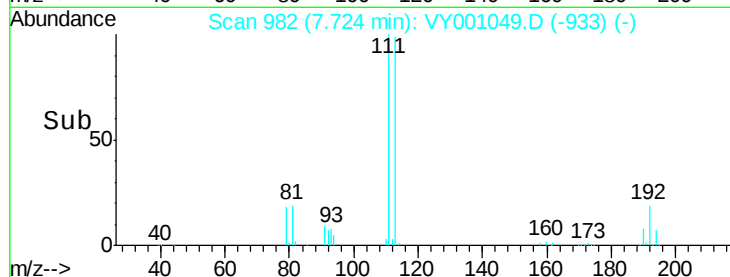
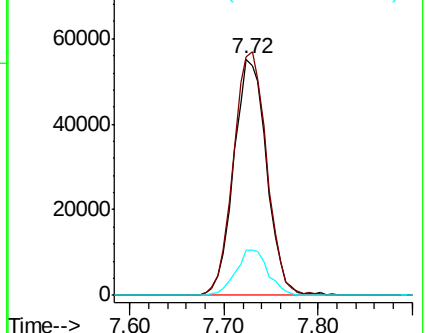
192 18.9 14.6 21.8



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: 4.461 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

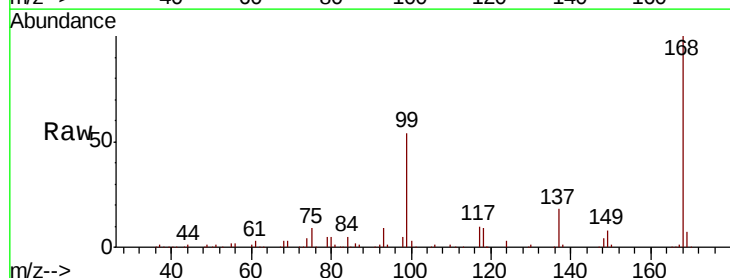
Tgt Ion: 75 Resp: 19631

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

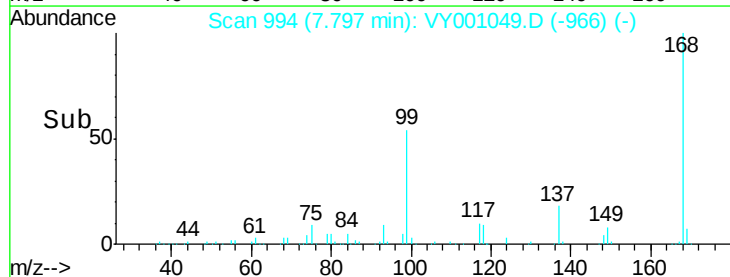
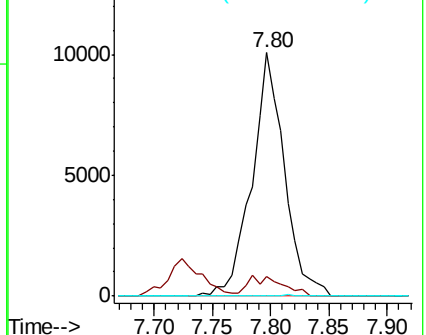
77 0.0 24.6 37.0#

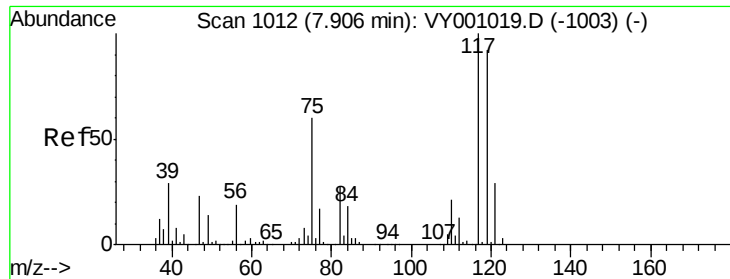


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

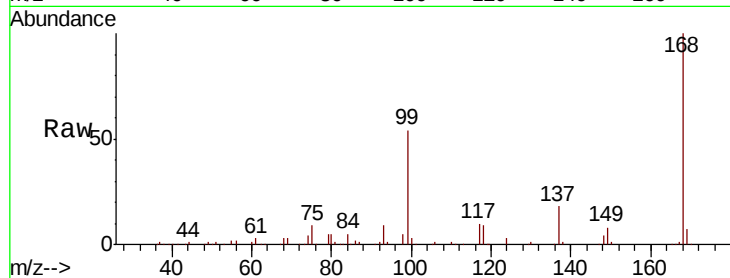




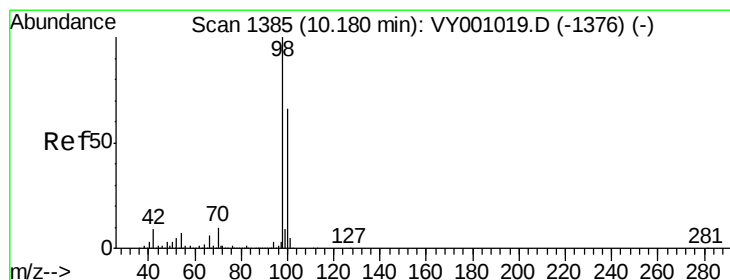
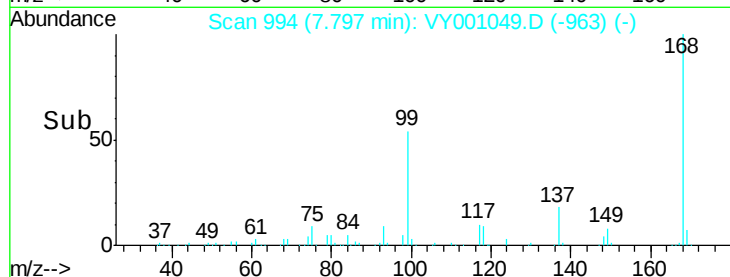
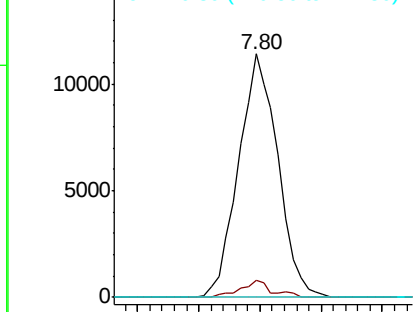
#38
Carbon Tetrachloride
Concen: 6.596 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

Instrument :
MSVOA_Y
ClientSampleId :
K005-AB-SB1

Tgt Ion: 117 Resp: 25427
Ion Ratio Lower Upper
117 100
119 7.0 74.2 111.2#
121 0.0 22.9 34.3#

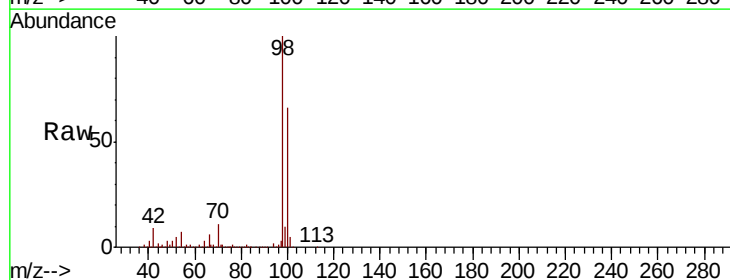


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

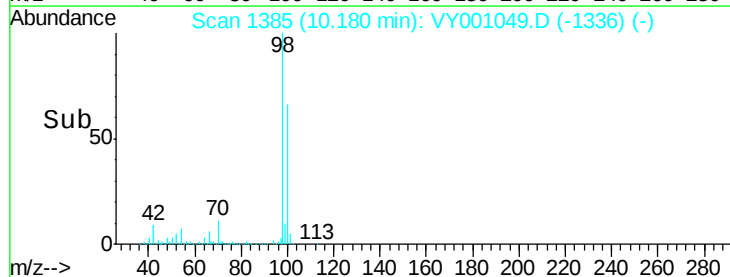
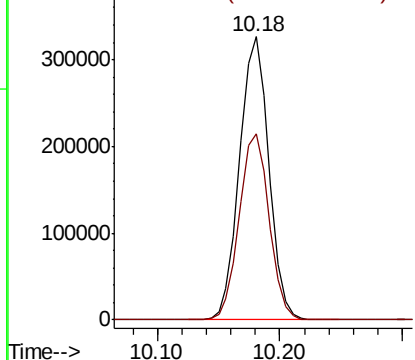


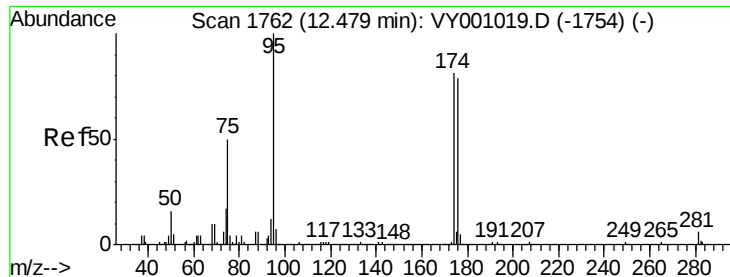
#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

Tgt Ion: 98 Resp: 542545
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

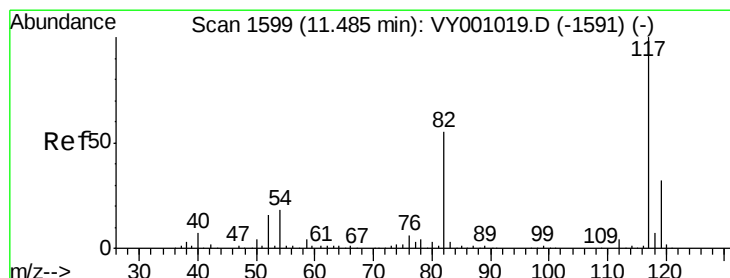
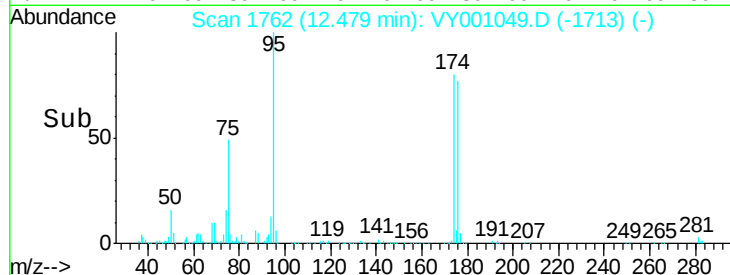
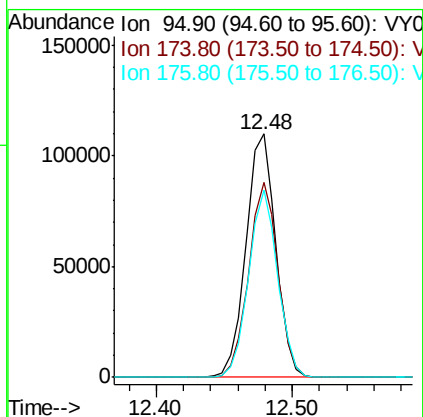
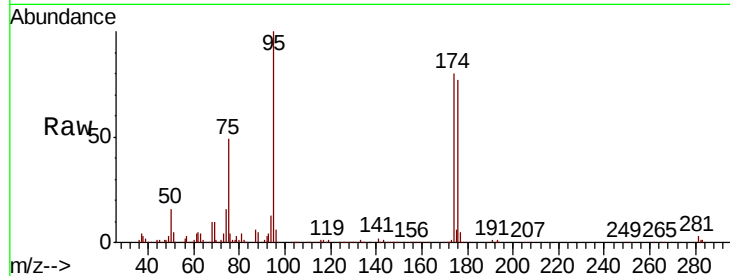




#62
4-Bromofluorobenzene
Concen: 43.439 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

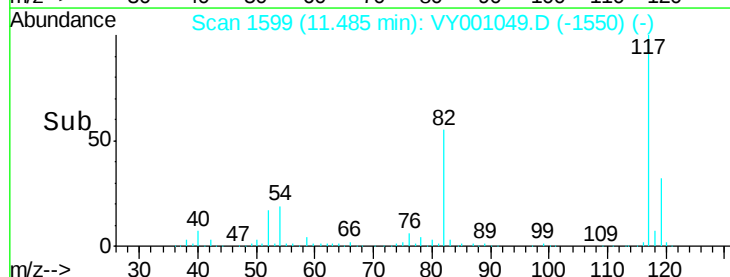
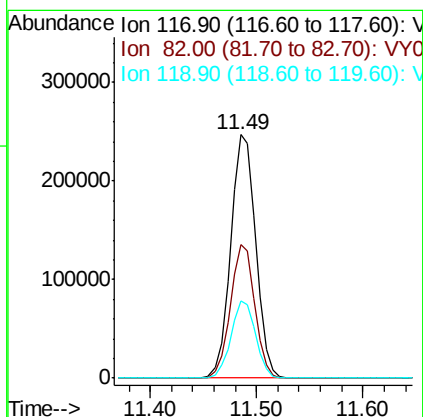
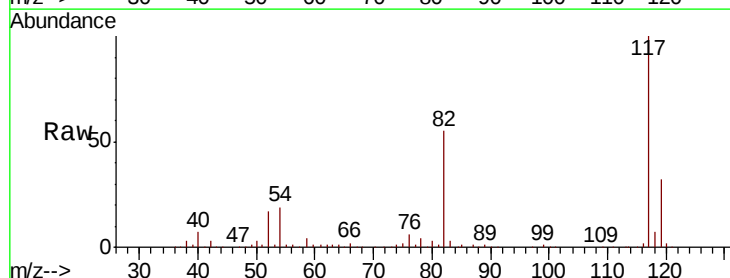
Instrument :
MSVOA_Y
ClientSampleId :
K005-AB-SB1

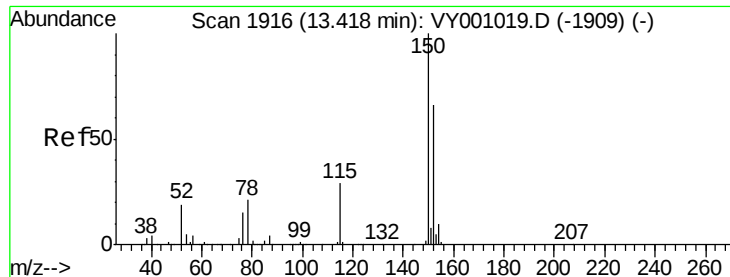
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.4
176	75.3	0.0	155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.8	65.8
119	31.8	25.8	38.6



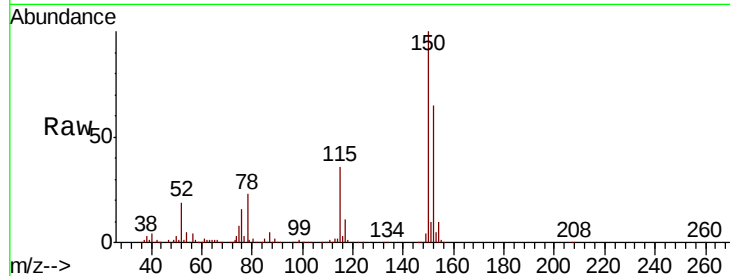


#72

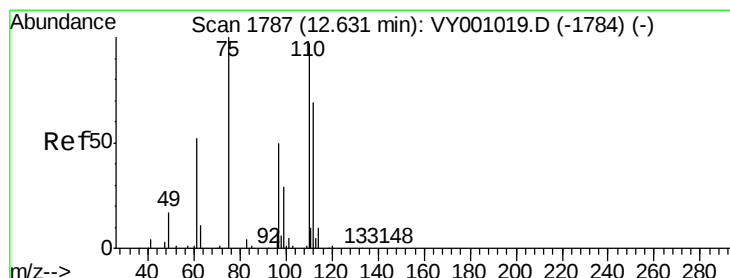
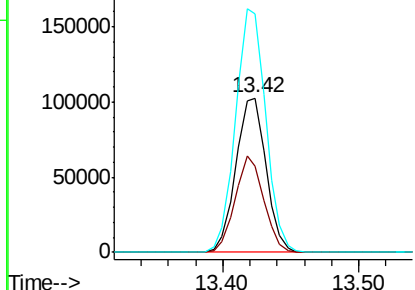
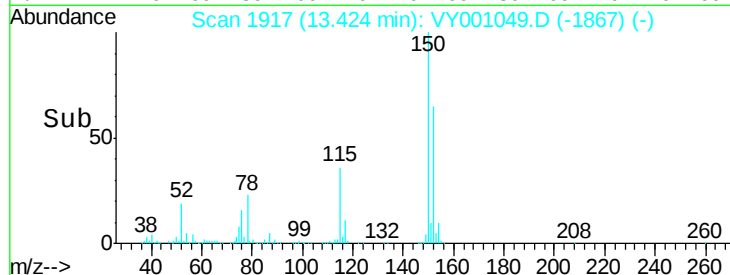
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

Instrument :
MSVOA_Y
ClientSampleId :
K005-AB-SB1

Tgt Ion:152 Resp: 158451
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 157.7 0.0 352.6



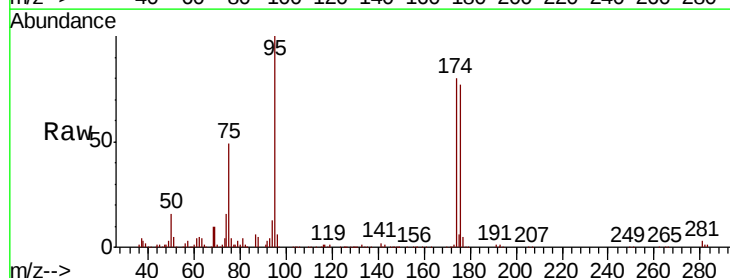
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



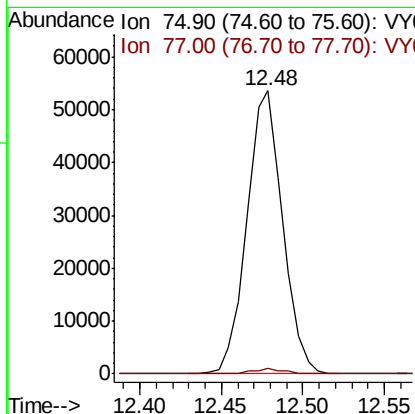
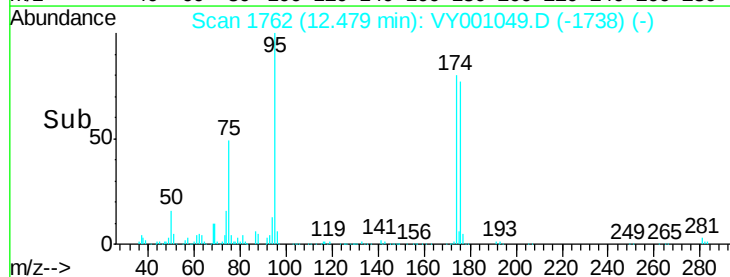
#76

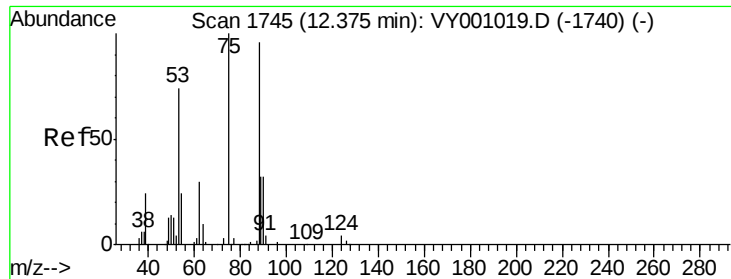
1,2,3-Trichloropropane
Concen: 41.677 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001049.D
Acq: 24 Dec 2019 15:39

Tgt Ion: 75 Resp: 81411
Ion Ratio Lower Upper
75 100
77 1.6 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: 88.887 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001049.D

Acq: 24 Dec 2019 15:39

Instrument :

MSVOA_Y

ClientSampleId :

K005-AB-SB1

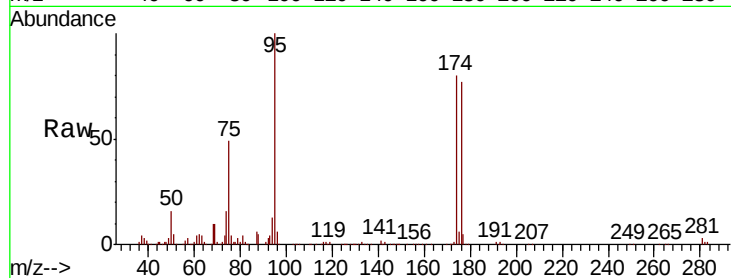
Tgt Ion: 75 Resp: 81411

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.0 35.4 53.0#



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

