

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122419\
 Data File : VY001045.D
 Acq On : 24 Dec 2019 14:10
 Operator : SY/MD
 Sample : K6413-02
 Misc : 7.65G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K005-AA-SB2

Quant Time: Dec 25 01:37:56 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

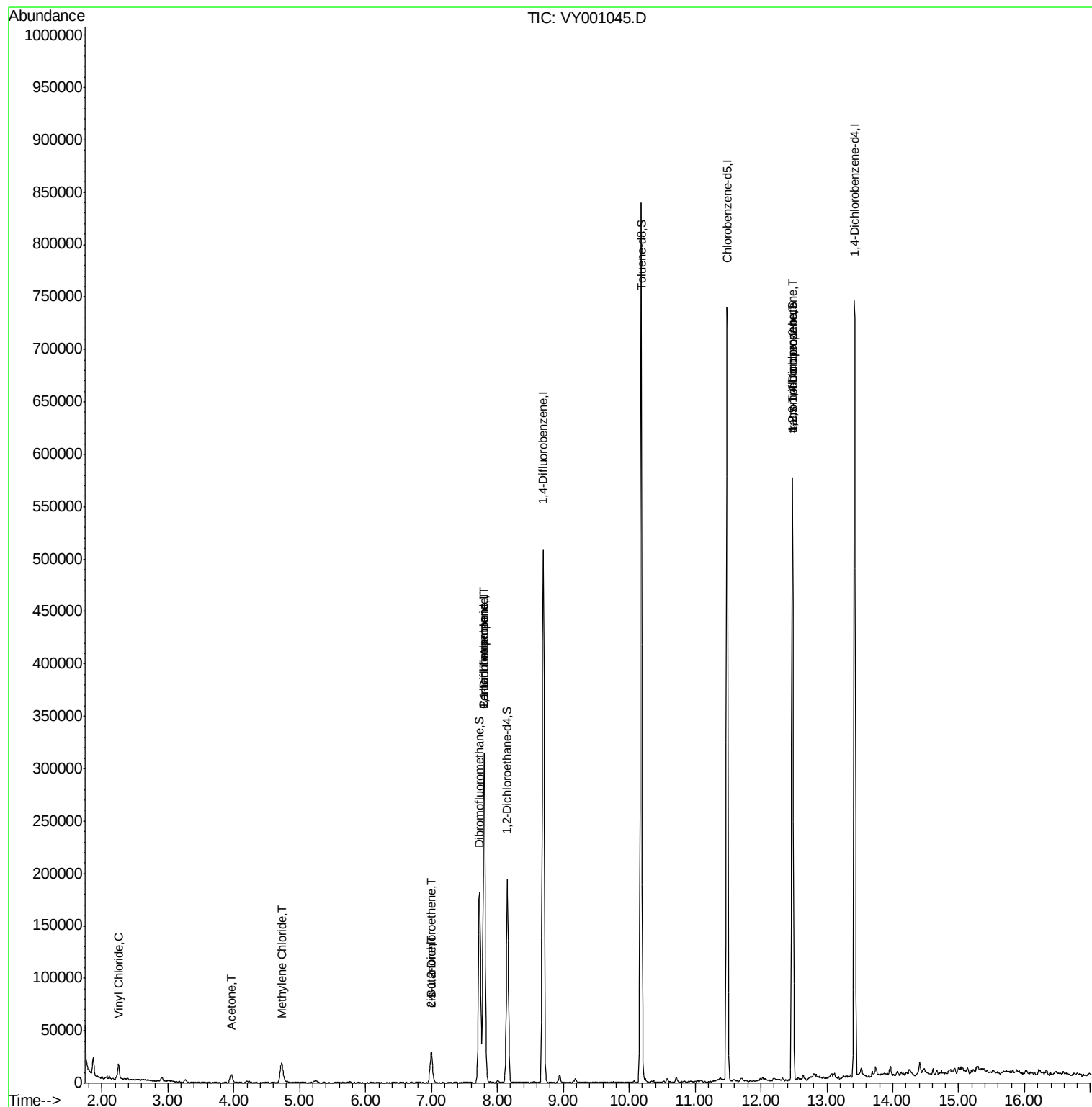
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	244797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	455449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	418790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189379	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	136855	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
35) Dibromofluoromethane	7.73	113	132135	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	10.18	98	548498	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.48	95	183401	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.25	62	9266	3.287	ug/l	90
16) Acetone	3.96	43	13973	25.122	ug/l	93
20) Methylene Chloride	4.72	84	14328	4.376	ug/l #	85
25) 2-Butanone	7.00	43	4075	4.170	ug/l #	77
27) cis-1,2-Dichloroethene	7.00	96	16918	5.053	ug/l	92
36) 1,1-Dichloropropene	7.80	75	19557	4.501	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22930	6.023	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	90262	38.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	90262	82.457	ug/l #	19

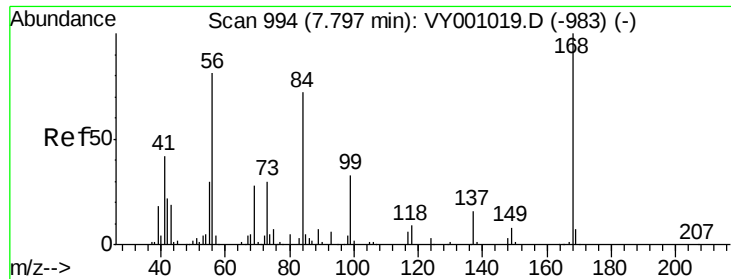
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

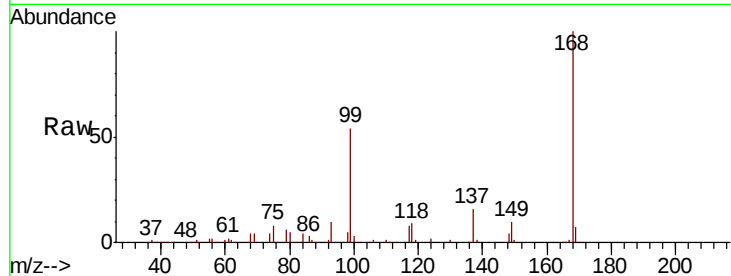
K005-AA-SB2

Tgt Ion:168 Resp: 244797

Ion Ratio Lower Upper

168 100

99 54.5 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

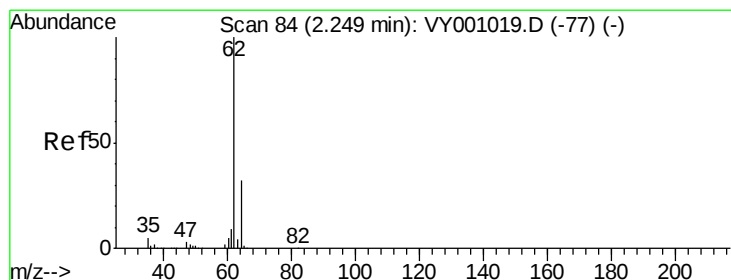
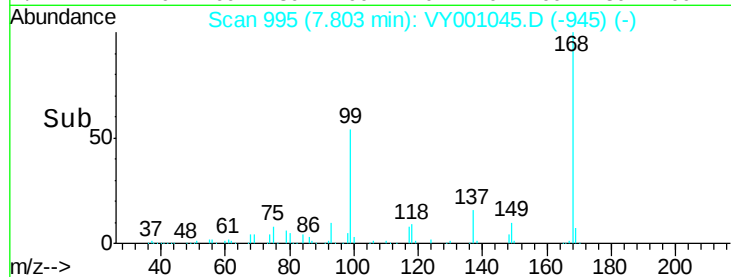
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 3.287 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001045.D

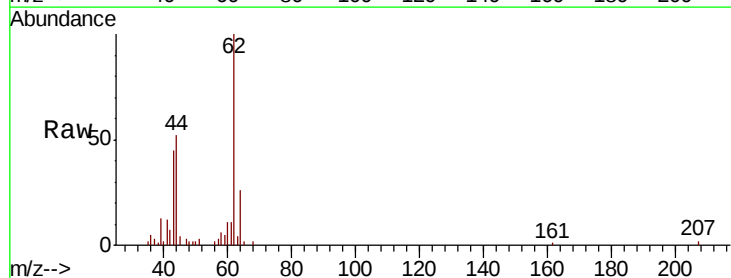
Acq: 24 Dec 2019 14:10

Tgt Ion: 62 Resp: 9266

Ion Ratio Lower Upper

62 100

64 26.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY001019.D (-77) (-)

Ion 63.90 (63.60 to 64.60): VY001019.D (-77) (-)

2.25

6000

5000

4000

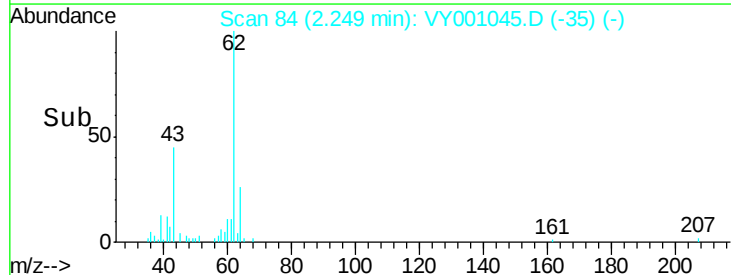
3000

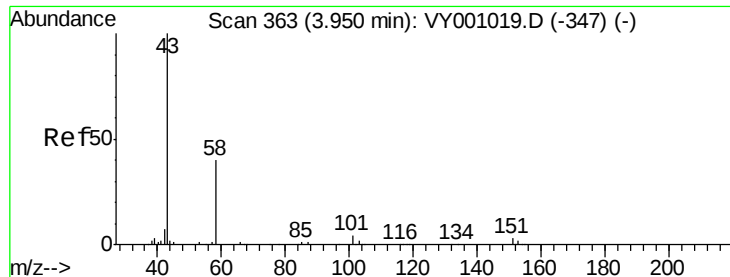
2000

1000

0

Time-->





#16

Acetone

Concen: 25.122 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

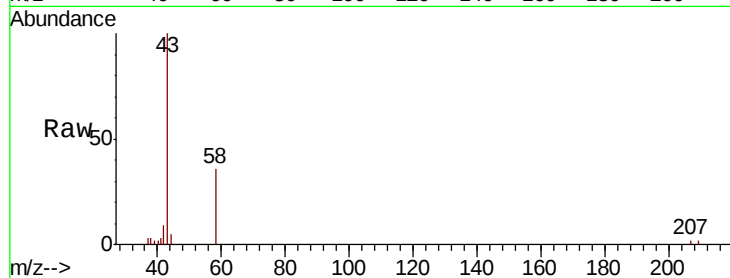
K005-AA-SB2

Tgt Ion: 43 Resp: 13973

Ion Ratio Lower Upper

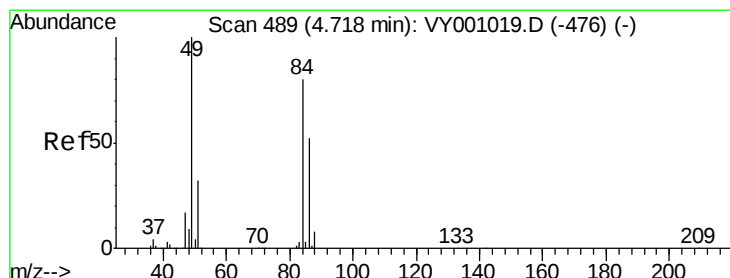
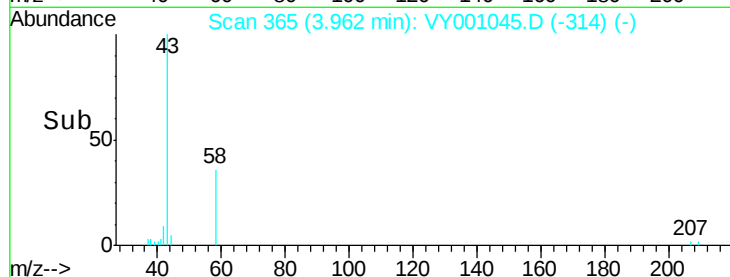
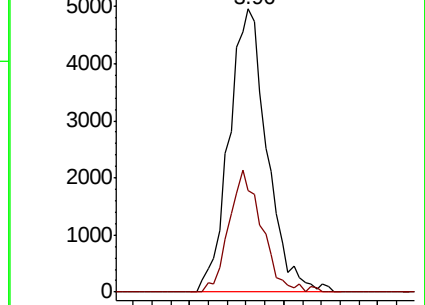
43 100

58 35.8 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) (-)



#20

Methylene Chloride

Concen: 4.376 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Tgt Ion: 84 Resp: 14328

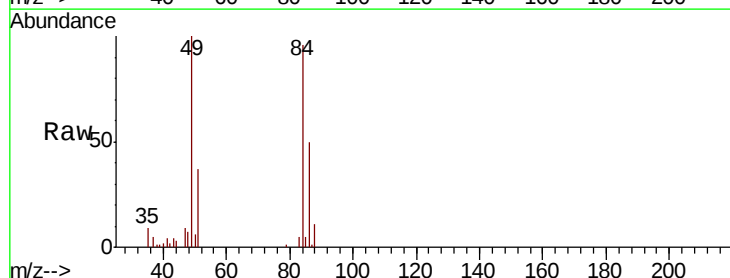
Ion Ratio Lower Upper

84 100

49 104.1 99.8 149.6

51 38.6 31.4 47.2

86 51.6 52.2 78.2#

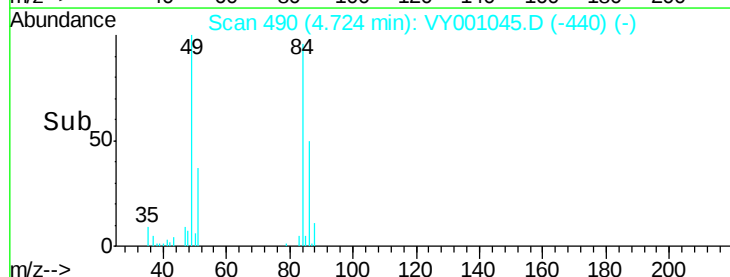
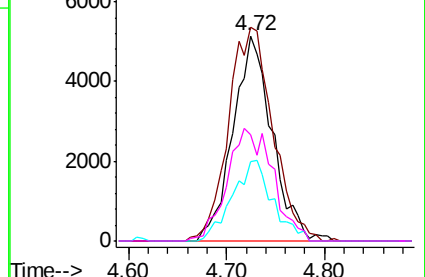


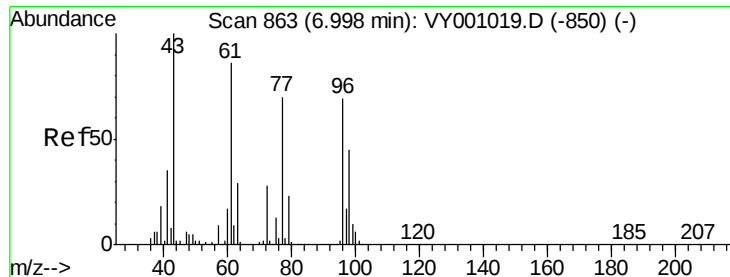
Abundance Ion 83.90 (83.60 to 84.60): VY001019.D (-476) (-)

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) (-)





#25

2-Butanone

Concen: 4.170 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

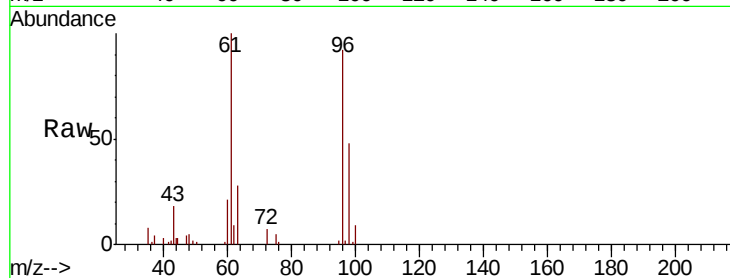
K005-AA-SB2

Tgt Ion: 43 Resp: 4075

Ion Ratio Lower Upper

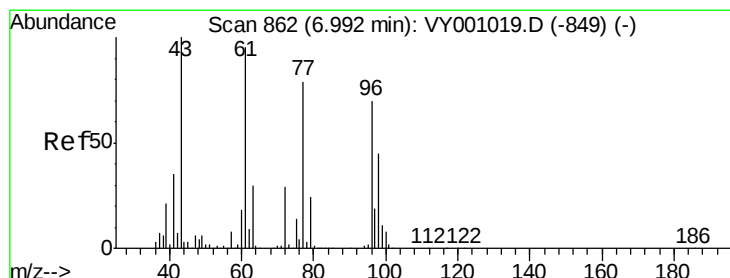
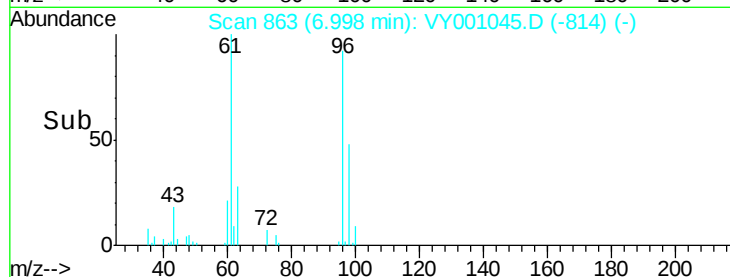
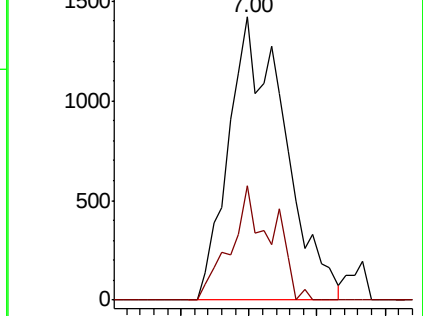
43 100

72 40.2 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 5.053 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

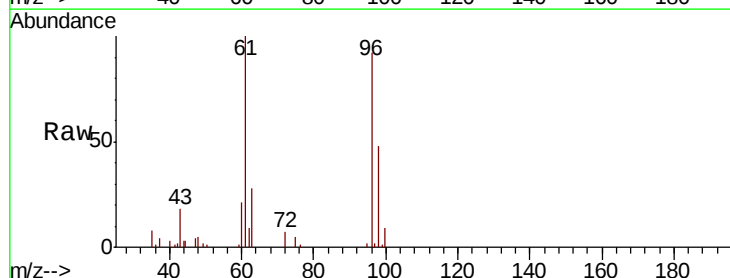
Tgt Ion: 96 Resp: 16918

Ion Ratio Lower Upper

96 100

61 120.7 0.0 268.2

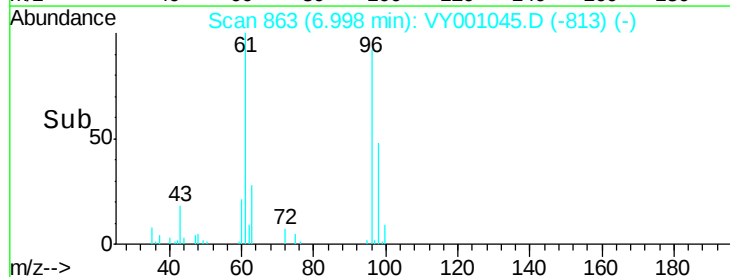
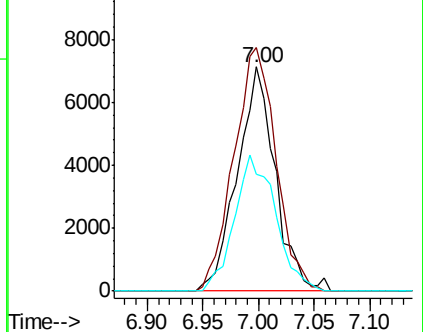
98 65.7 0.0 129.2

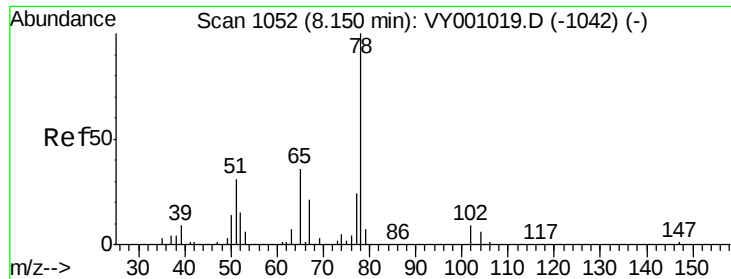


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.683 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

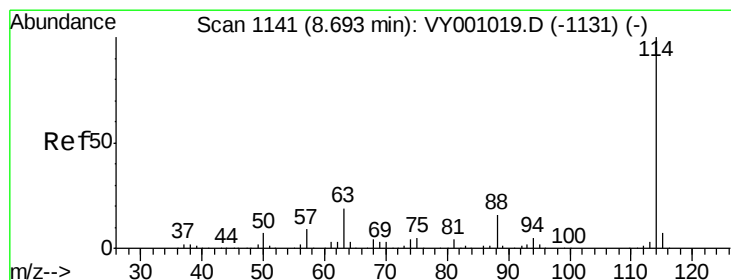
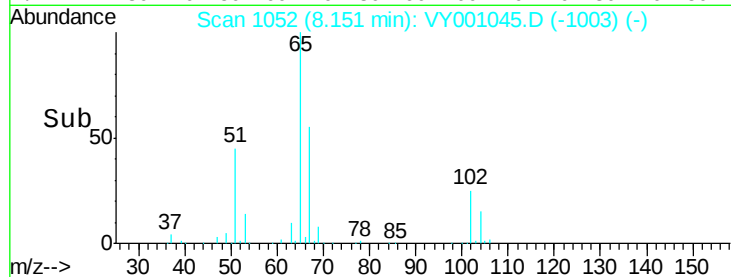
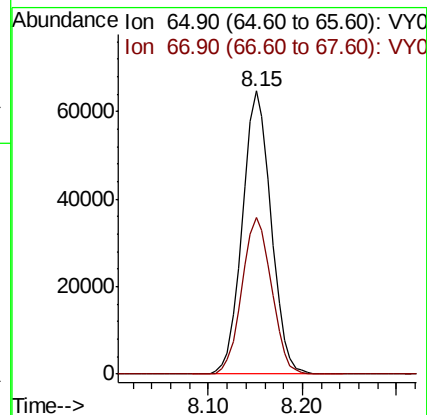
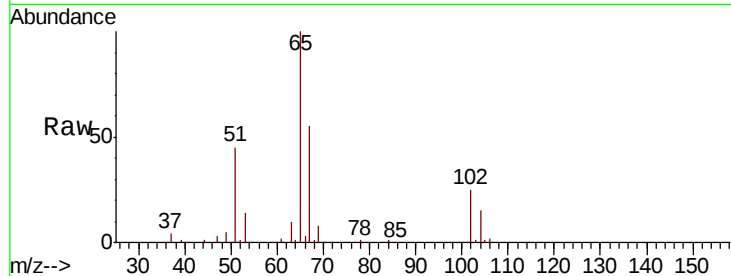
K005-AA-SB2

Tgt Ion: 65 Resp: 136855

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: VY001045.D

Acq: 24 Dec 2019 14:10

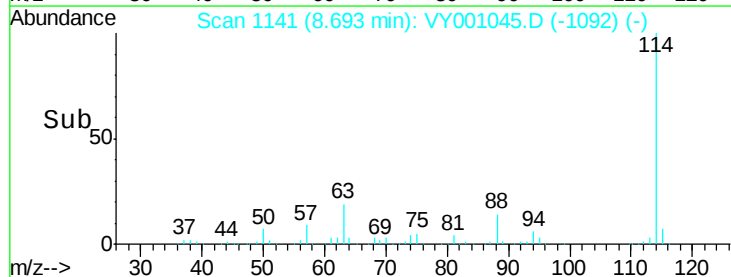
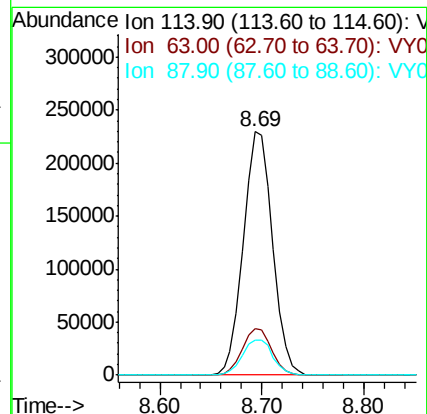
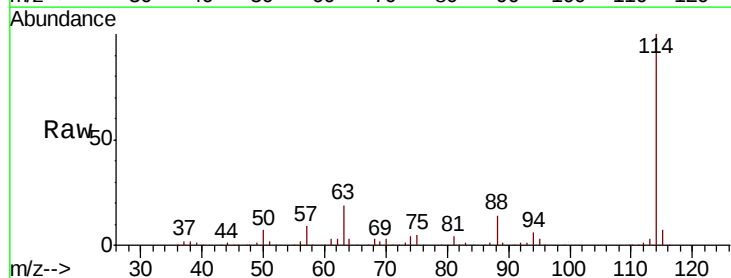
Tgt Ion: 114 Resp: 455449

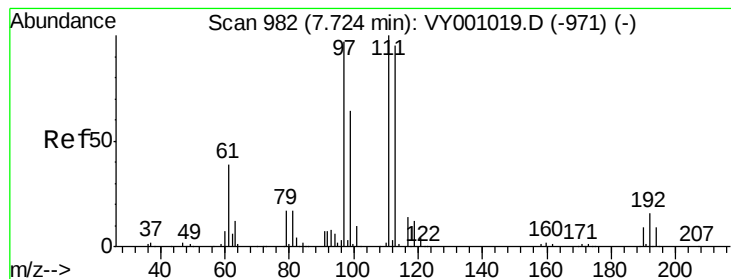
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

88 14.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.268 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB2

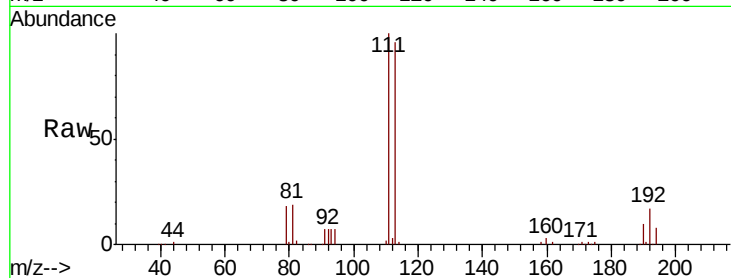
Tgt Ion:113 Resp: 132135

Ion Ratio Lower Upper

113 100

111 104.6 83.0 124.4

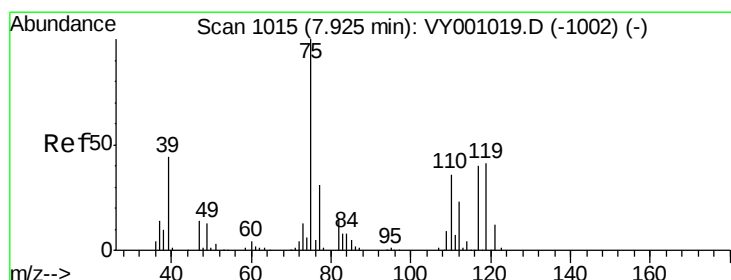
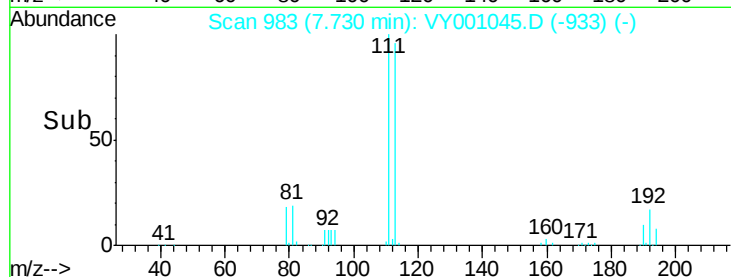
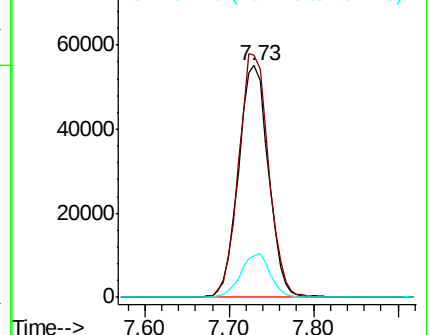
192 18.4 14.6 21.8



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: 4.501 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

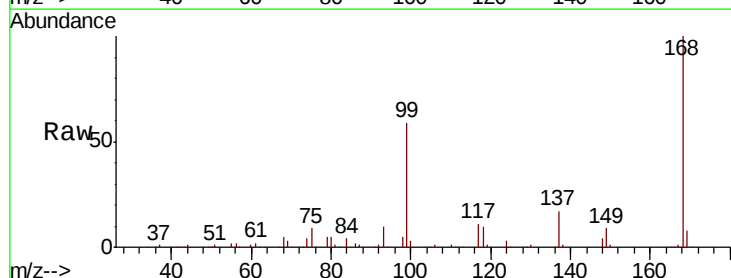
Tgt Ion: 75 Resp: 19557

Ion Ratio Lower Upper

75 100

110 7.6 18.1 54.4#

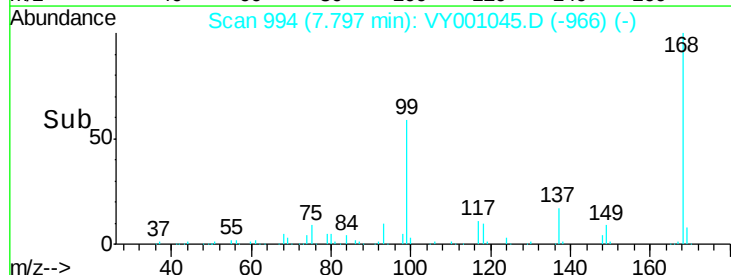
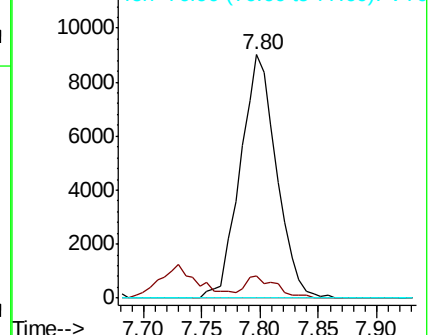
77 0.0 24.6 37.0#

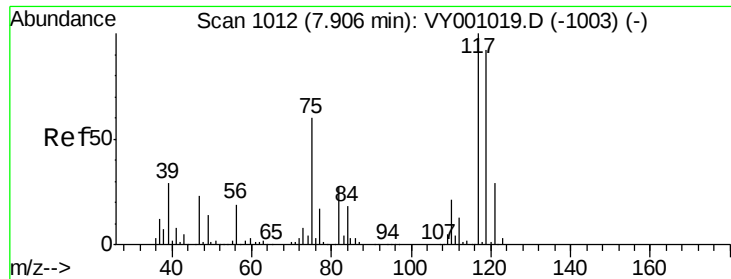


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.023 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

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ClientSampleId :

K005-AA-SB2

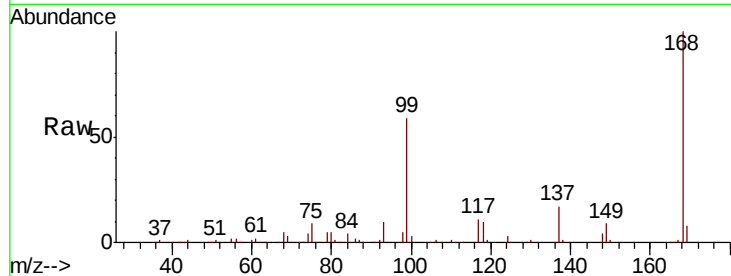
Tgt Ion:117 Resp: 22930

Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.2#

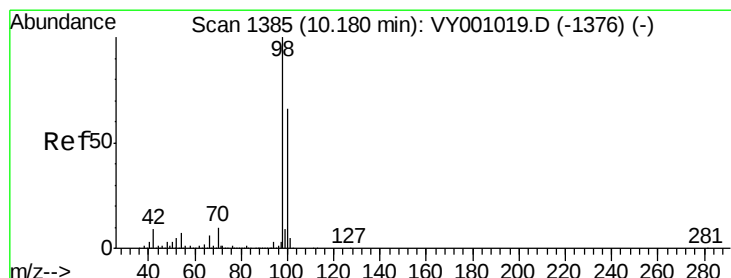
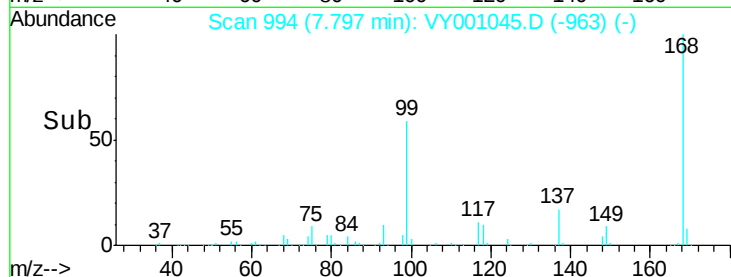
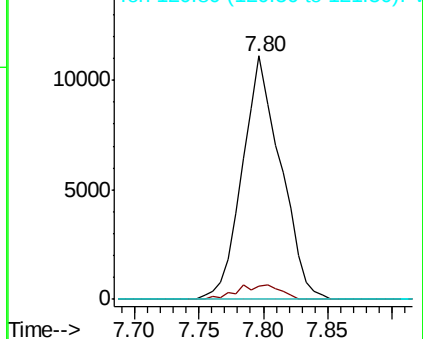
121 0.0 22.9 34.3#



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: 52.333 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001045.D

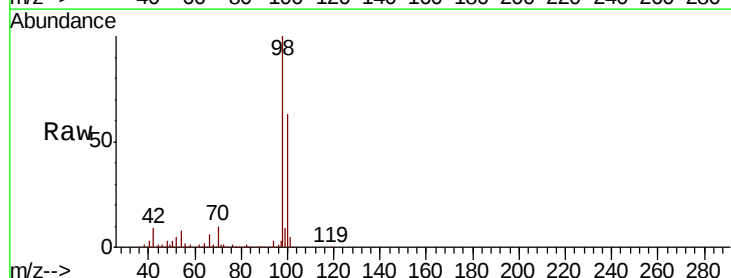
Acq: 24 Dec 2019 14:10

Tgt Ion: 98 Resp: 548498

Ion Ratio Lower Upper

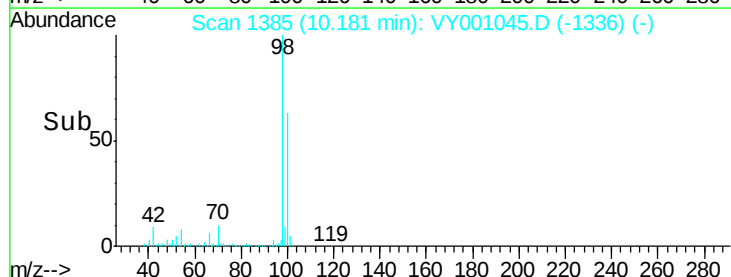
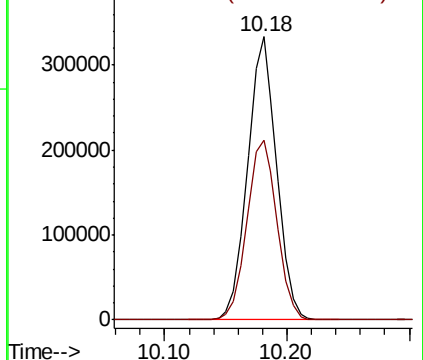
98 100

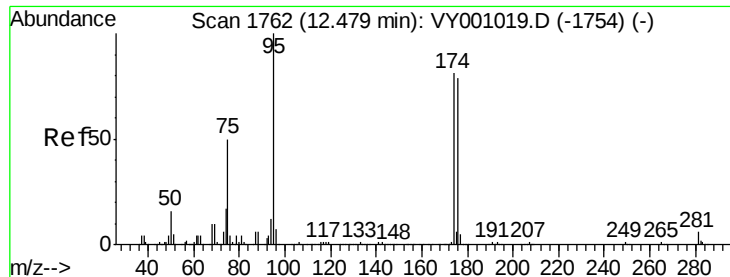
100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

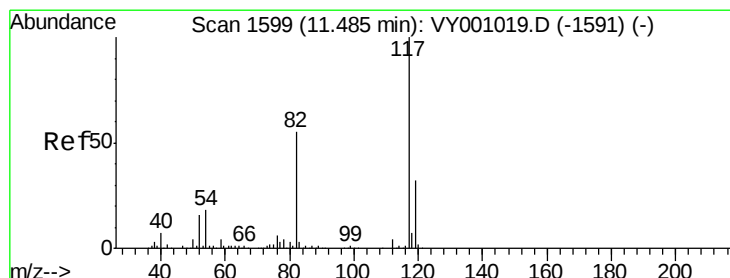
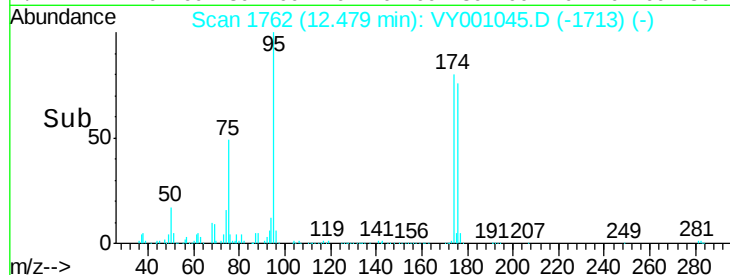
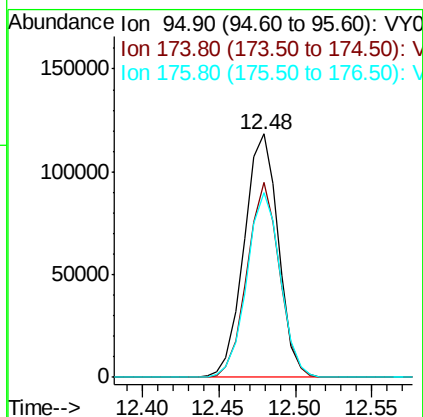
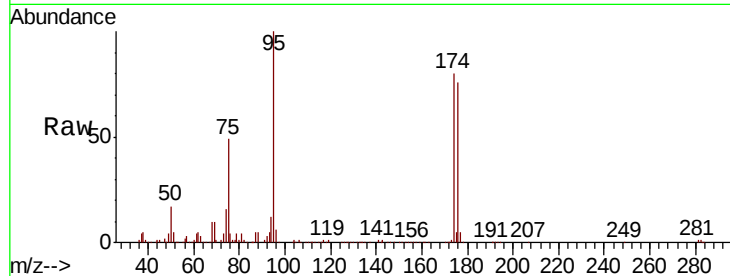




#62
4-Bromofluorobenzene
Concen: 47.860 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001045.D
Acq: 24 Dec 2019 14:10

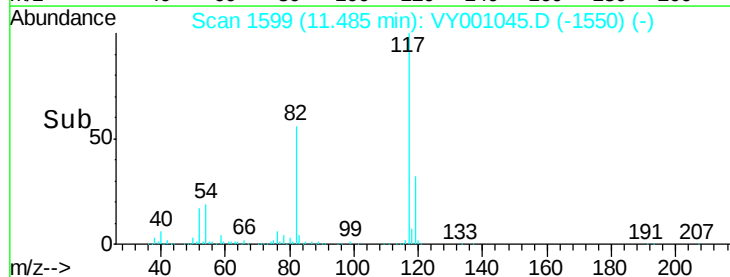
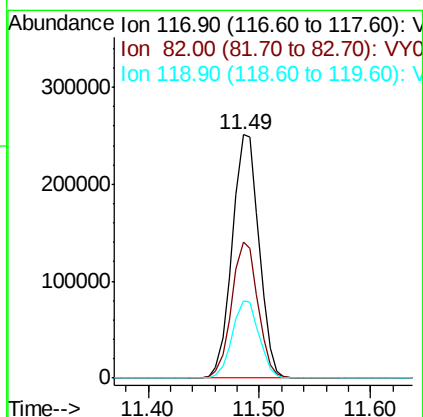
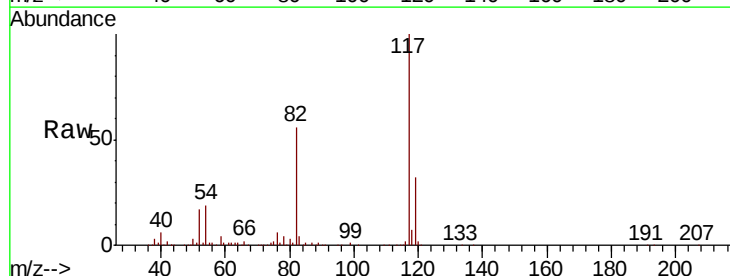
Instrument :
MSVOA_Y
ClientSampleId :
K005-AA-SB2

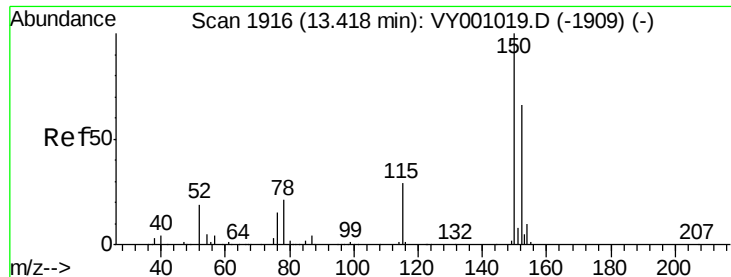
Tgt Ion: 95 Resp: 183401
Ion Ratio Lower Upper
95 100
174 76.1 0.0 156.4
176 74.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001045.D
Acq: 24 Dec 2019 14:10

Tgt Ion: 117 Resp: 418790
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.8
119 31.9 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: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB2

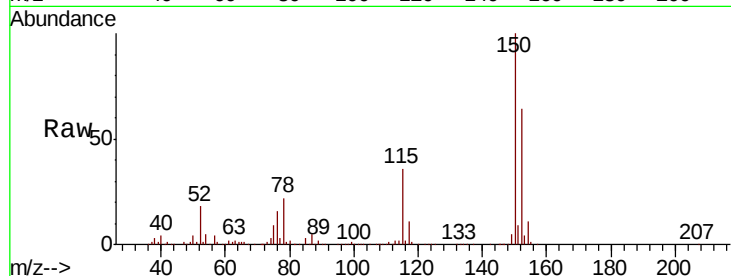
Tgt Ion:152 Resp: 189379

Ion Ratio Lower Upper

152 100

115 59.3 29.8 89.3

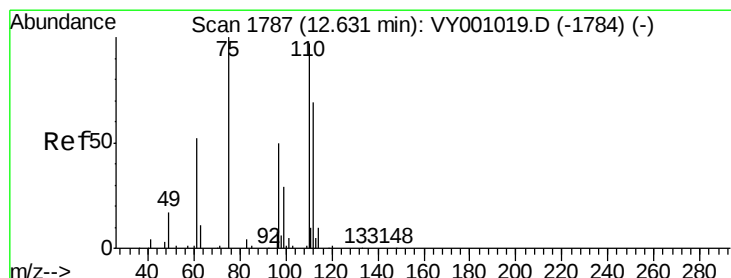
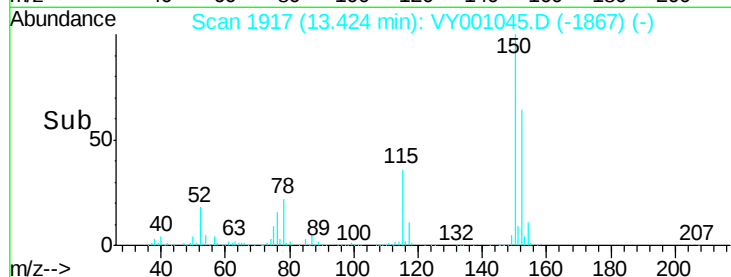
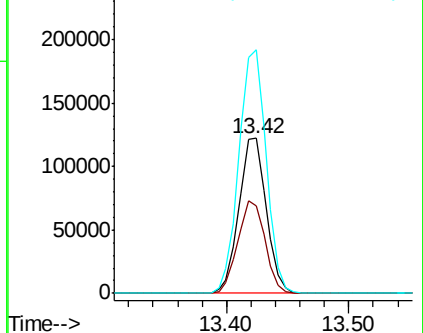
150 156.5 0.0 352.6



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: 38.662 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001045.D

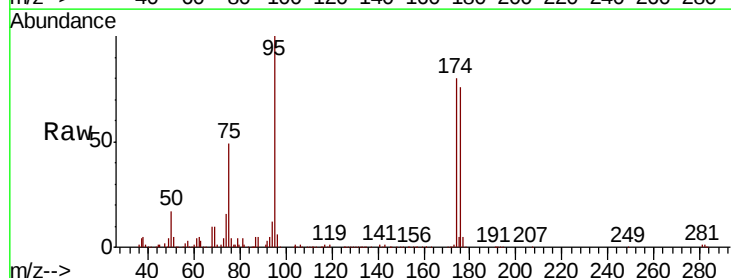
Acq: 24 Dec 2019 14:10

Tgt Ion: 75 Resp: 90262

Ion Ratio Lower Upper

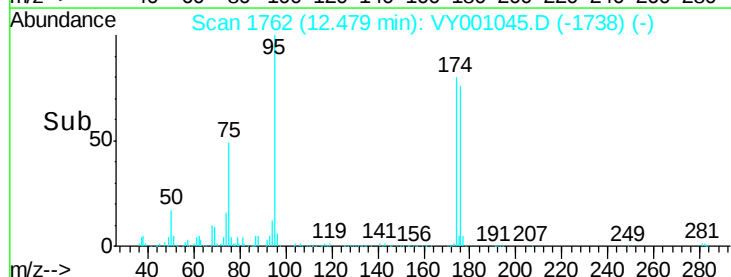
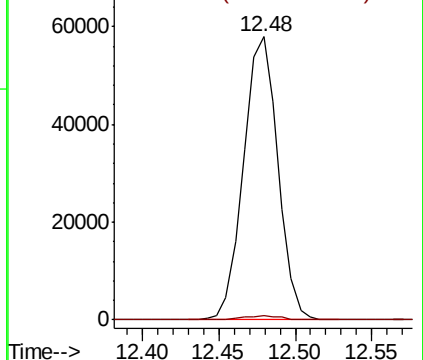
75 100

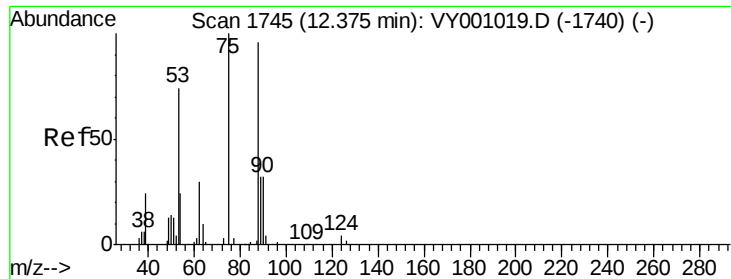
77 1.8 0.0 0.0#



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: 82.457 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001045.D

Acq: 24 Dec 2019 14:10

Instrument :

MSVOA_Y

ClientSampleId :

K005-AA-SB2

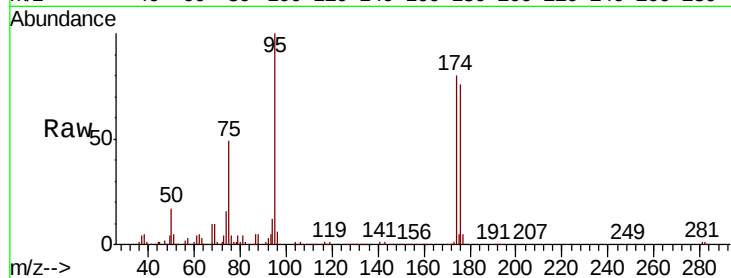
Tgt Ion: 75 Resp: 90262

Ion Ratio Lower Upper

75 100

53 0.1 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

