

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000557.D
 Acq On : 06 Nov 2019 17:23
 Operator : SY/MD
 Sample : K5725-02
 Misc : 3.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:58:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	33015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	55370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	46693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	20530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	19253	56.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.70%	
35) Dibromofluoromethane	7.73	113	16401	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.18	98	61138	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.48	95	19042	40.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.10%	

Target Compounds

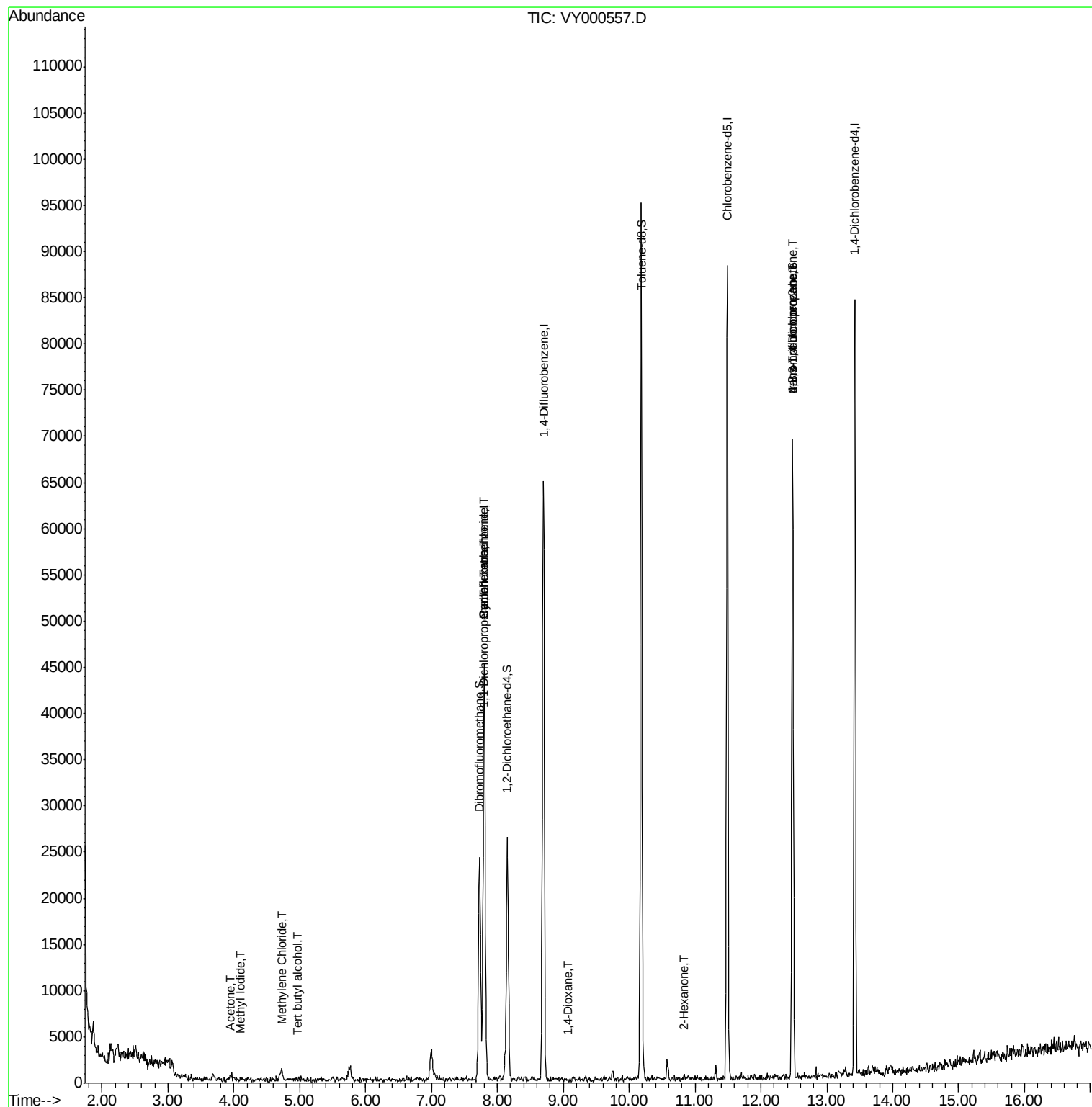
						Qvalue
10) Methyl Iodide	4.09	142	43	3.289	ug/l #	41
11) Tert butyl alcohol	4.97	59	173	5.202	ug/l #	72
16) Acetone	3.95	43	605	6.425	ug/l #	42
20) Methylene Chloride	4.72	84	757	1.876	ug/l #	90
31) Cyclohexane	7.80	56	827	1.250	ug/l #	37
36) 1,1-Dichloropropene	7.78	75	1477	2.822	ug/l #	42
38) Carbon Tetrachloride	7.80	117	3576	7.100	ug/l #	14
49) 1,4-Dioxane	9.07	88	61	21.820	ug/l #	27
59) 2-Hexanone	10.84	43	260	1.150	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	10821	46.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	10821	103.790	ug/l #	13

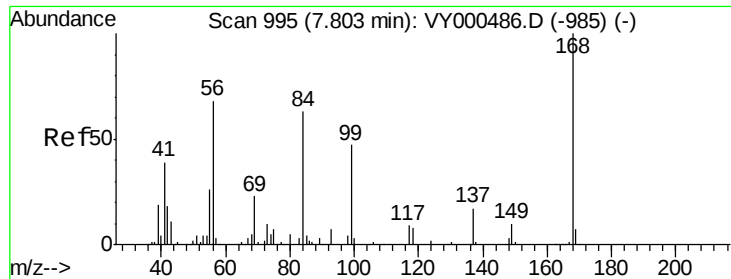
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
Data File : VY000557.D
Acq On : 06 Nov 2019 17:23
Operator : SY/MD
Sample : K5725-02
Misc : 3.45G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 07 04:58:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

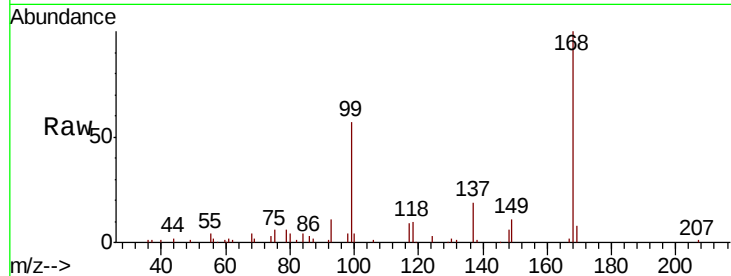
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 33015

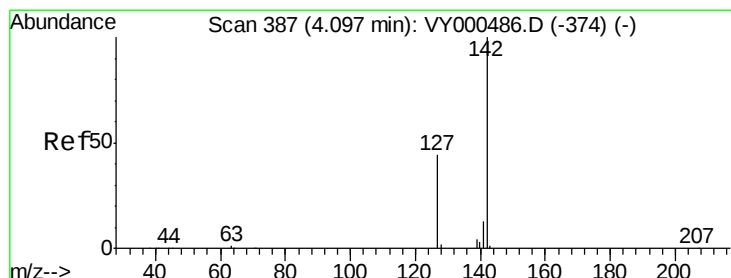
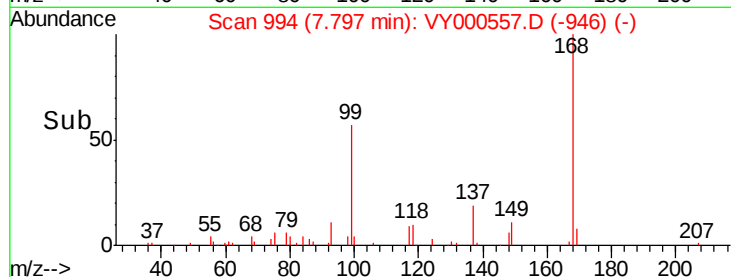
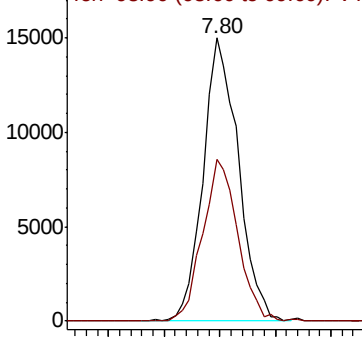
Ion Ratio Lower Upper

168 100

99 57.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.289 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

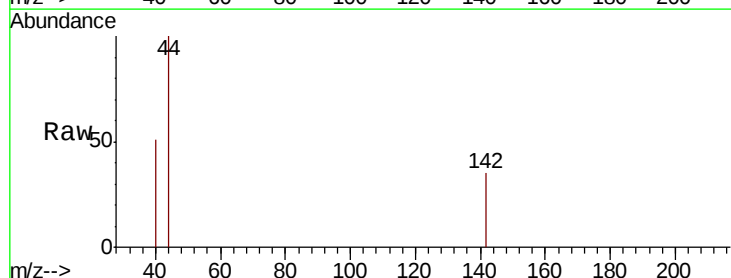
Tgt Ion:142 Resp: 43

Ion Ratio Lower Upper

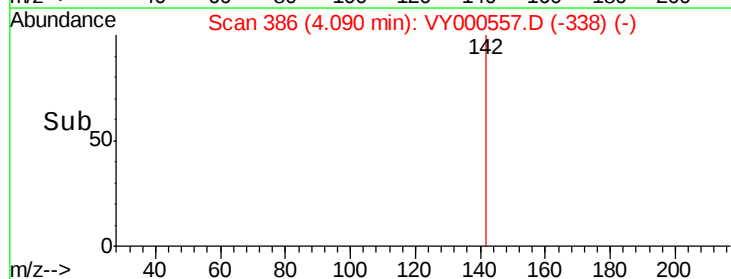
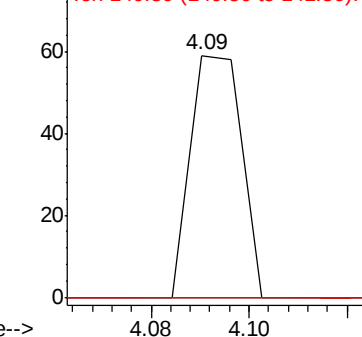
142 100

127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V
80 Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



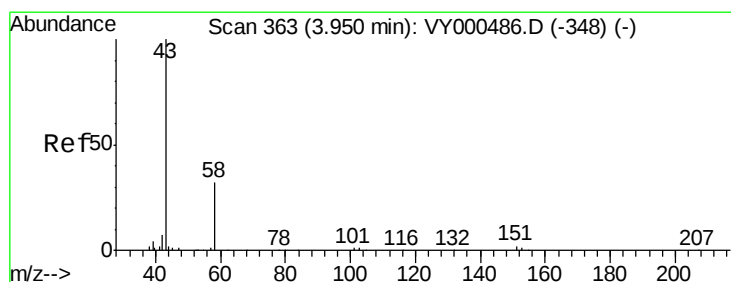
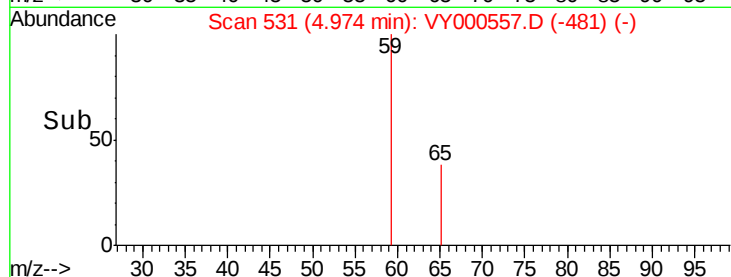
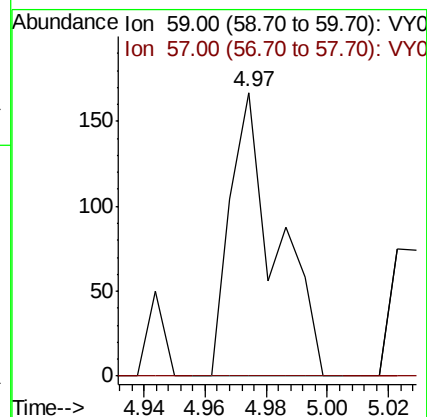
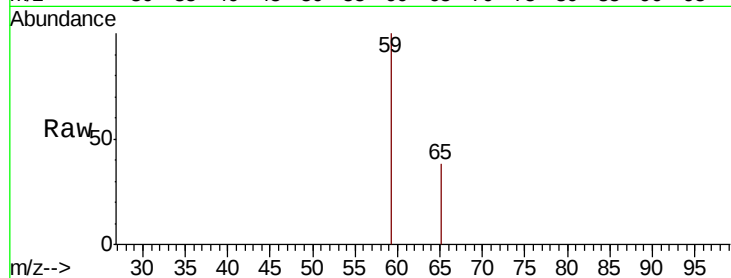


#11

Tert butyl alcohol
 Concen: 5.202 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000557.D
 Acq: 06 Nov 2019 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :

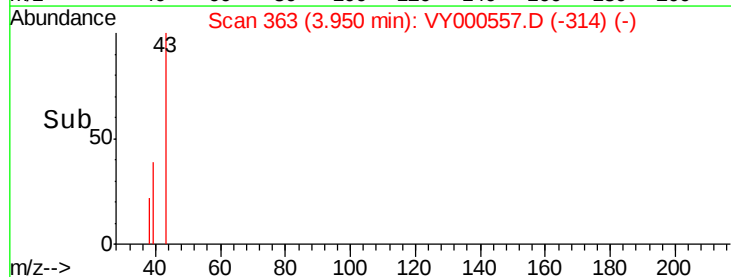
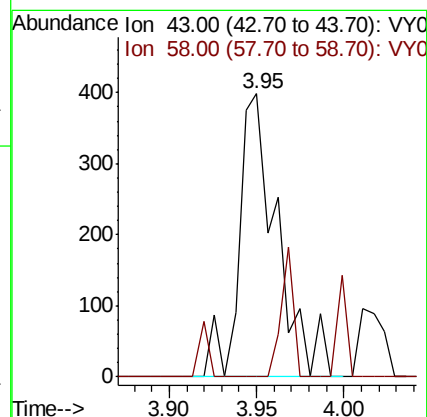
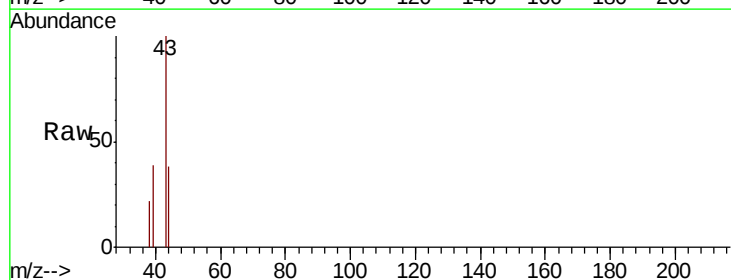
Tot Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

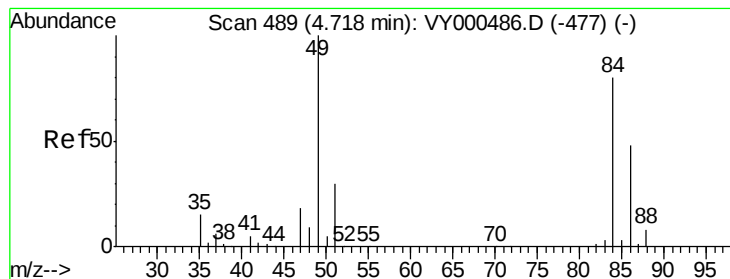


#16

Acetone
 Concen: 6.425 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY000557.D
 Acq: 06 Nov 2019 17:23

Tgt Ion: 43 Resp: 605
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 38.6#





#20

Methylene Chloride

Concen: 1.876 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 757

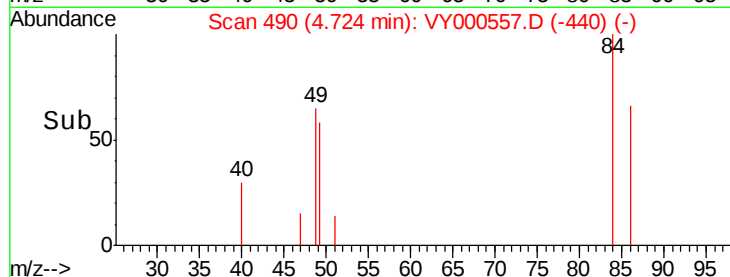
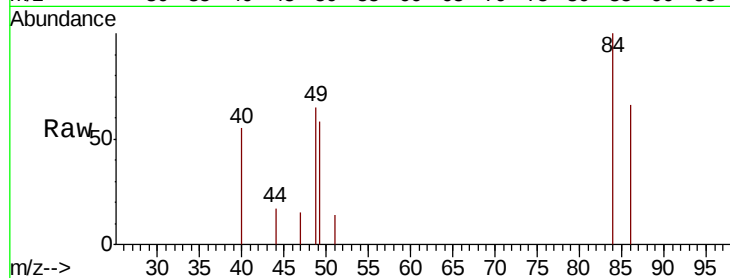
Ion Ratio Lower Upper

84 100

49 122.6 100.2 150.4

51 13.6 29.6 44.4#

86 66.2 48.3 72.5

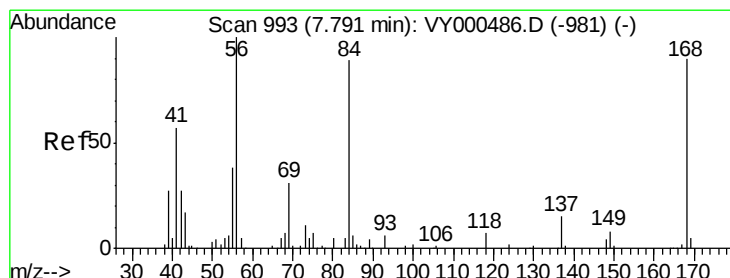
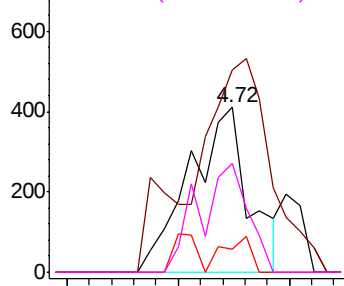


Abundance Ion 83.90 (83.60 to 84.60): VY0

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



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

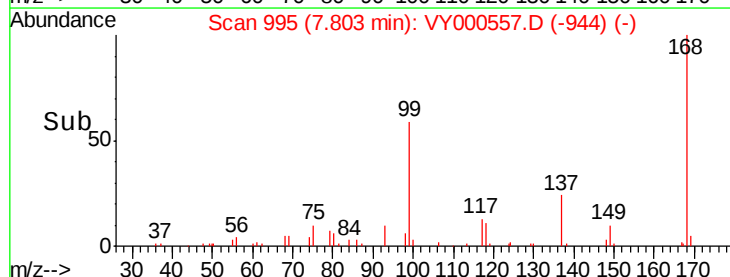
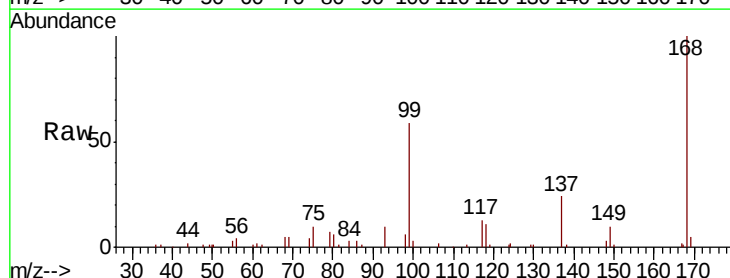
Tgt Ion: 56 Resp: 827

Ion Ratio Lower Upper

56 100

69 138.4 25.0 37.6#

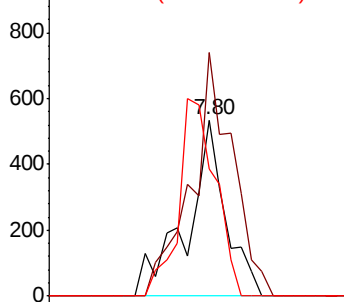
84 72.7 71.4 107.2

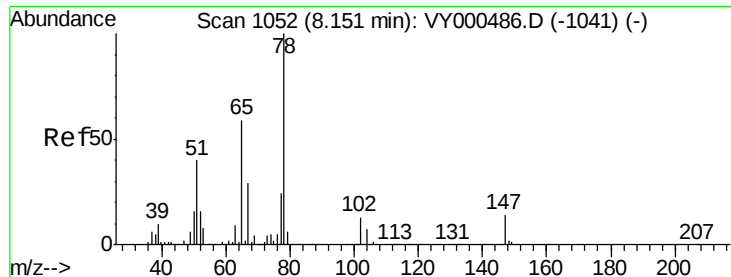


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.351 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

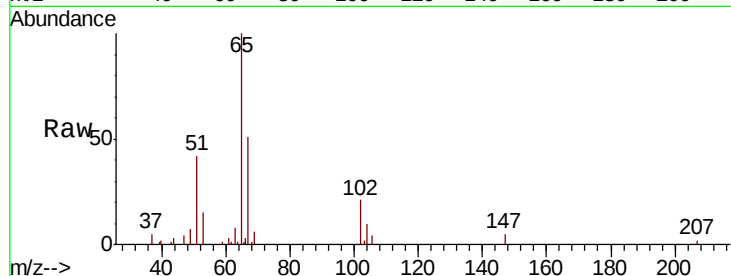
ClientSampleId :

Tot Ion: 65 Resp: 19253

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

10000

8000

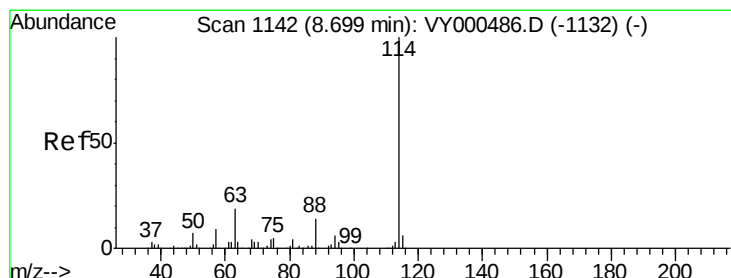
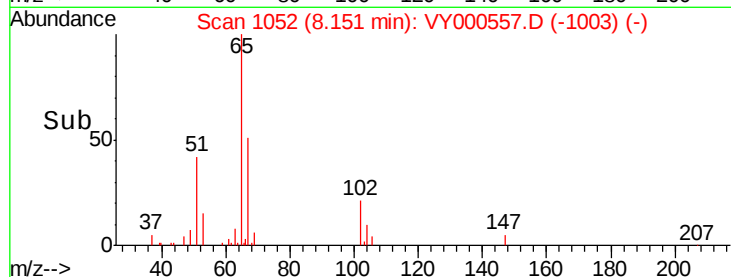
6000

4000

2000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

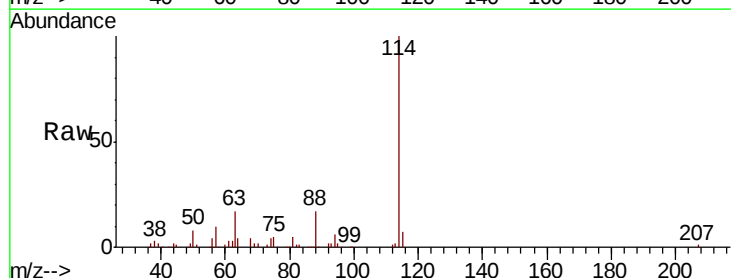
Tgt Ion:114 Resp: 55370

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.0

88 16.6 0.0 28.6



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

8.70

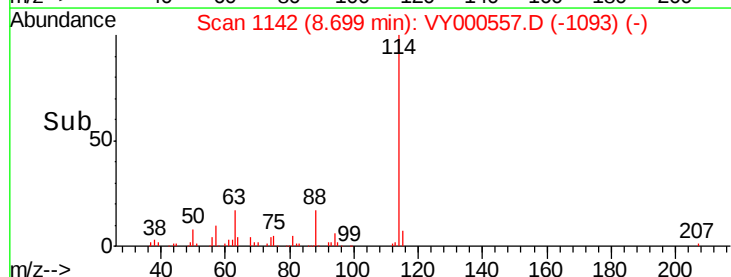
30000

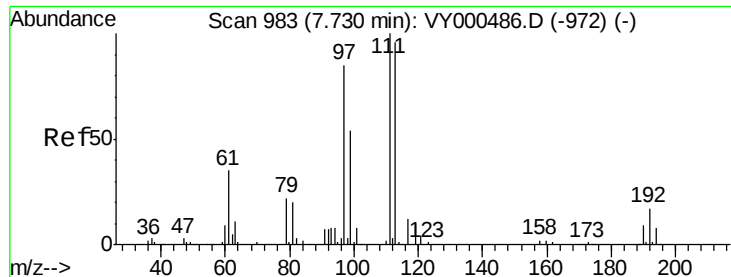
20000

10000

0

Time--> 8.60 8.65 8.70 8.75 8.80

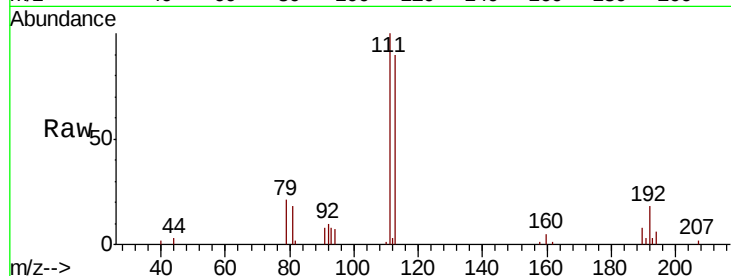




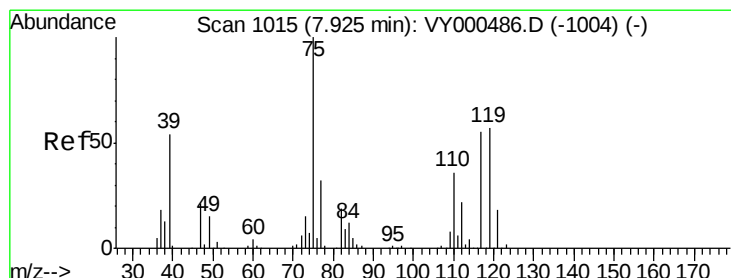
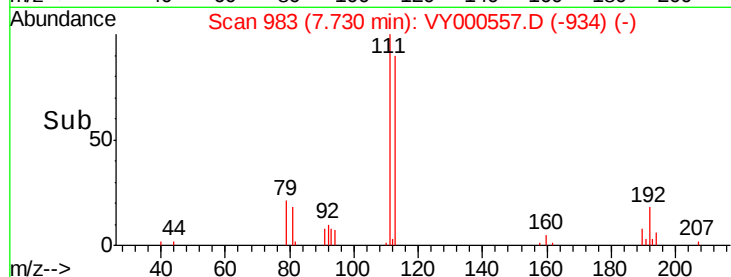
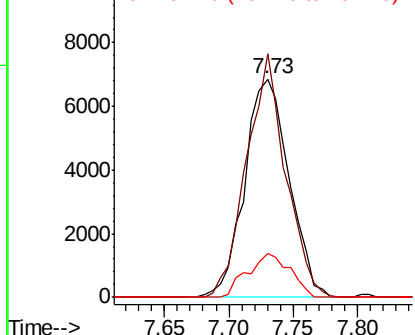
#35
 Dibromofluoromethane
 Concen: 50.456 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000557.D
 Acq: 06 Nov 2019 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 16401
 Ion Ratio Lower Upper
 113 100
 111 98.0 81.7 122.5
 192 19.3 15.0 22.4

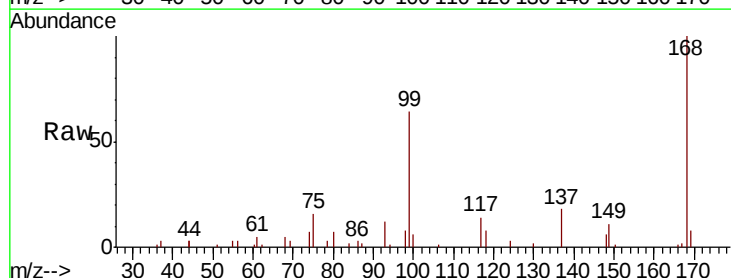


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

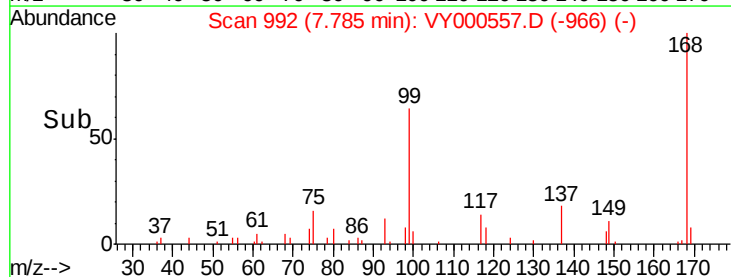
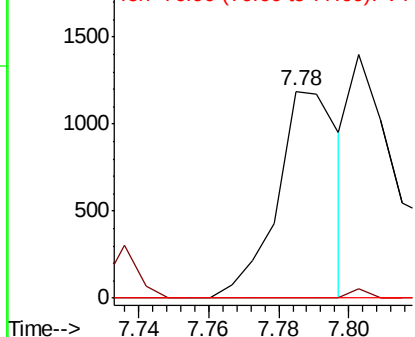


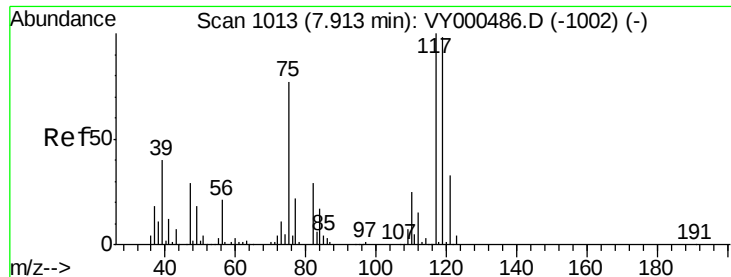
#36
 1,1-Dichloropropene
 Concen: 2.822 ug/l
 RT: 7.78 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VY000557.D
 Acq: 06 Nov 2019 17:23

Tgt Ion: 75 Resp: 1477
 Ion Ratio Lower Upper
 75 100
 110 1.3 18.1 54.1#
 77 0.0 25.0 37.6#



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: 7.100 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

ClientSampleId :

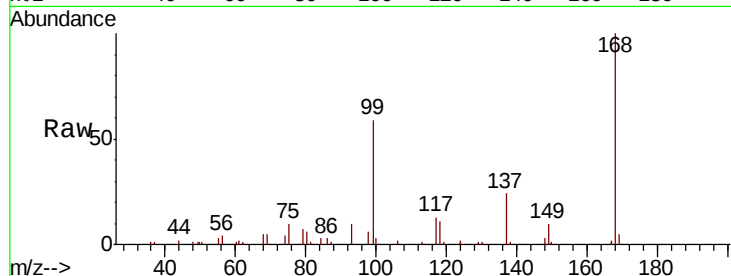
Tot Ion:117 Resp: 3576

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

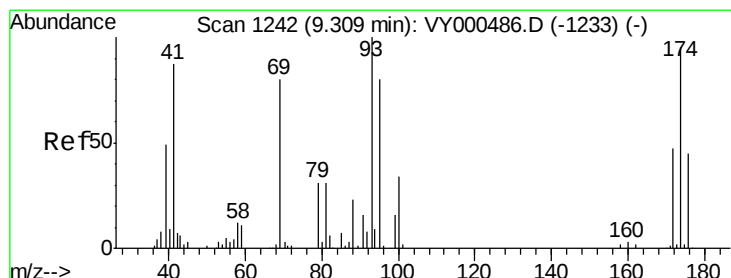
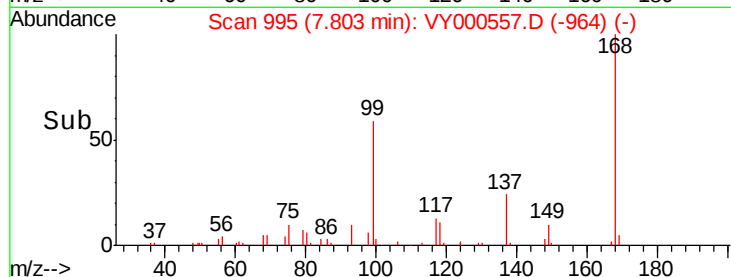
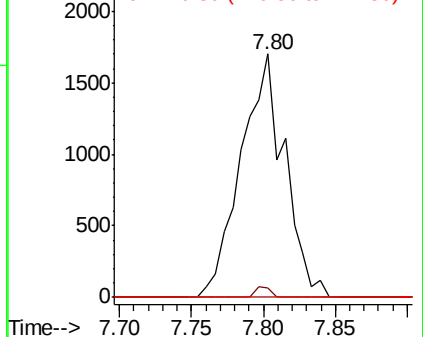
121 0.0 26.6 40.0#



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



#49

1,4-Dioxane

Concen: 21.820 ug/l

RT: 9.07 min Scan# 1203

Delta R.T. -0.24 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

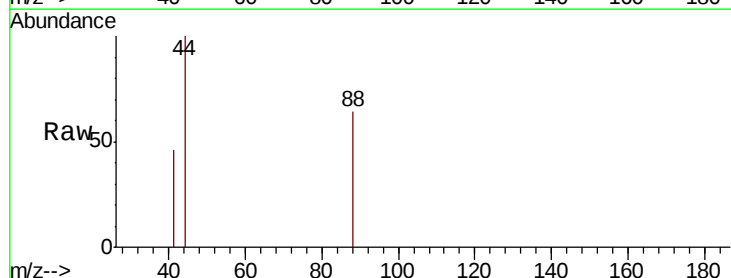
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

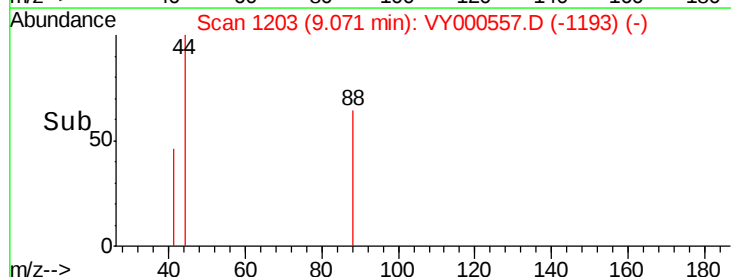
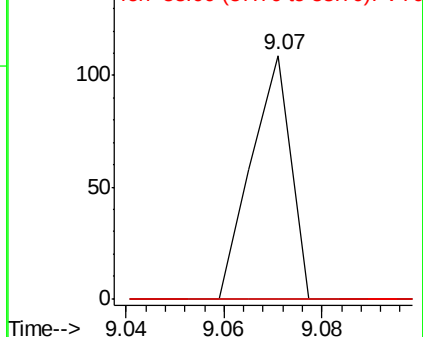
58 0.0 50.6 75.8#

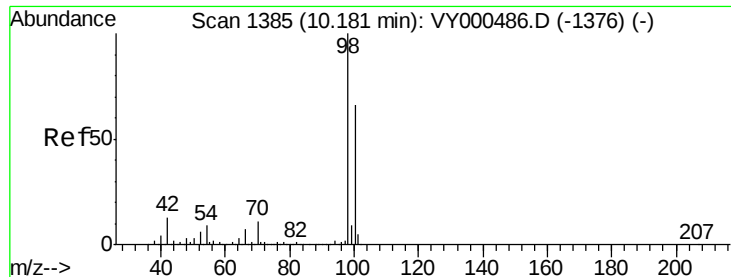


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 49.568 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

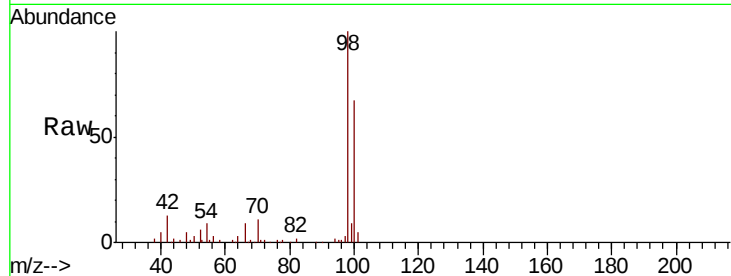
ClientSampleId :

Tot Ion: 98 Resp: 61138

Ion Ratio Lower Upper

98 100

100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY000486.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY000557.D (-1443) (-)

10.18

40000

30000

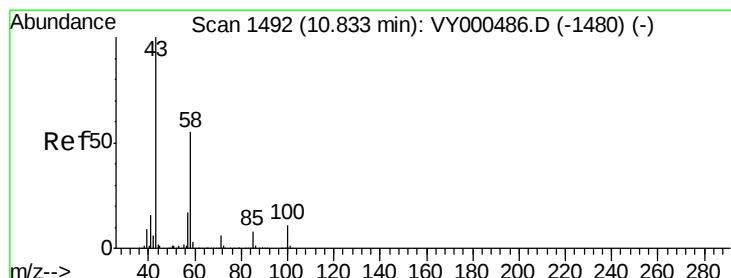
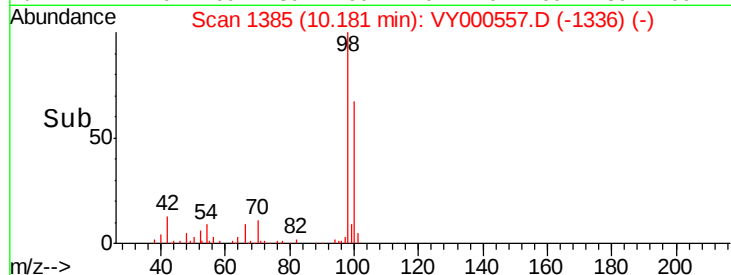
20000

10000

0

Time-->

10.10 10.20 10.30



#59

2-Hexanone

Concen: 1.150 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY000557.D

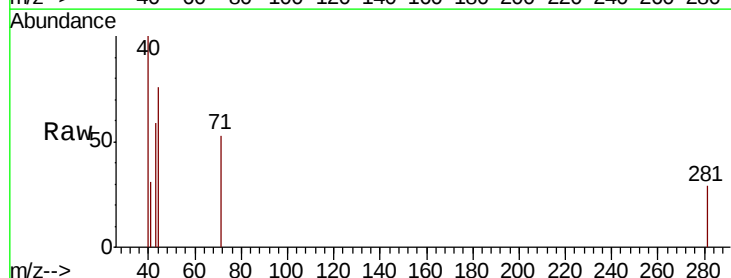
Acq: 06 Nov 2019 17:23

Tgt Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1480) (-)

Ion 58.00 (57.70 to 58.70): VY000557.D (-1443) (-)

10.84

150

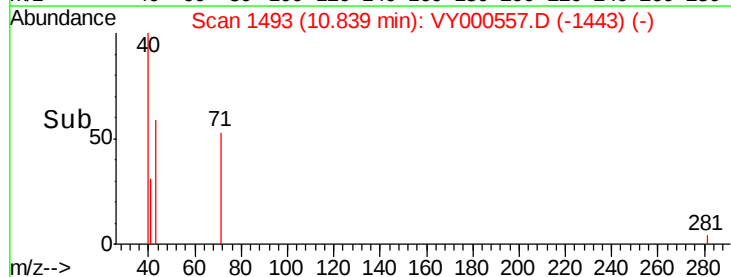
100

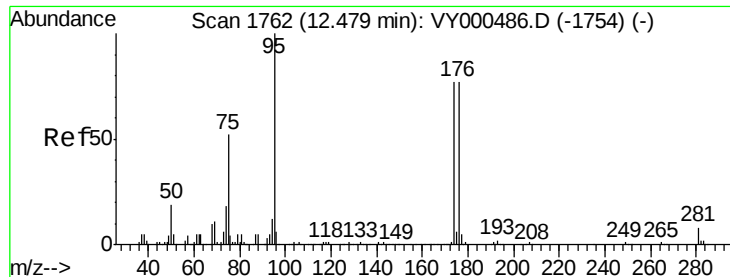
50

0

Time-->

10.80 10.85

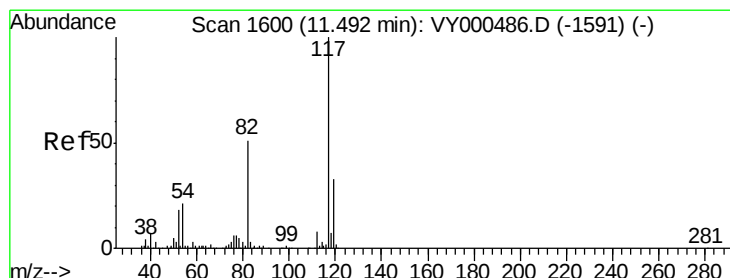
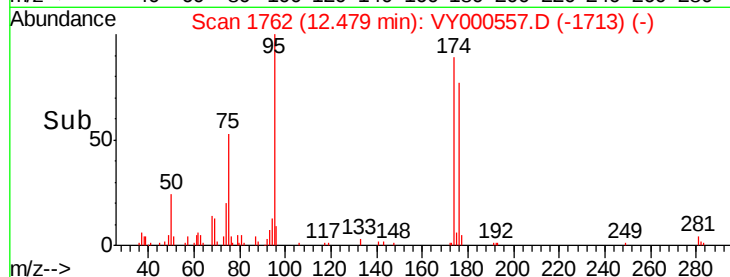
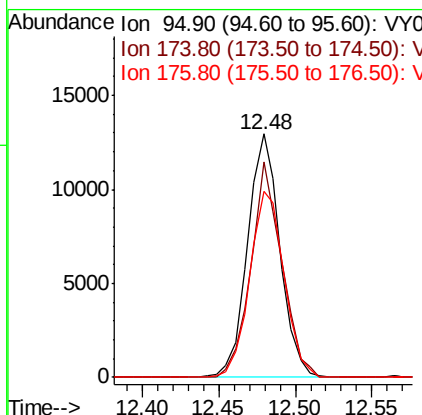
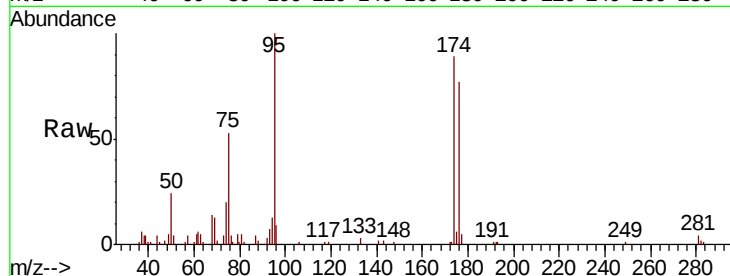




#62
4-Bromofluorobenzene
Concen: 40.553 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000557.D
Acq: 06 Nov 2019 17:23

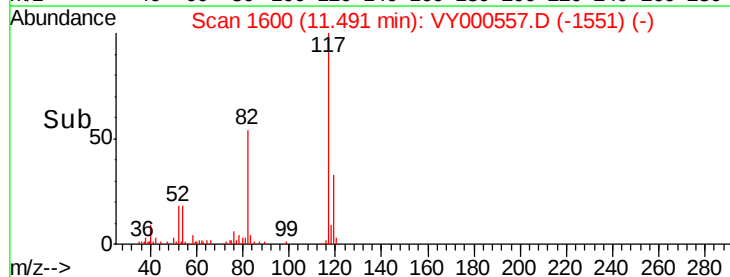
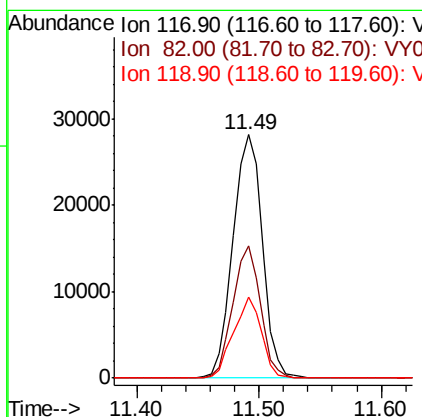
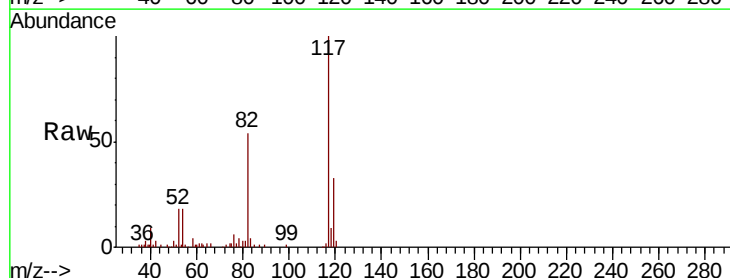
Instrument :
MSVOA_Y
ClientSampleId :

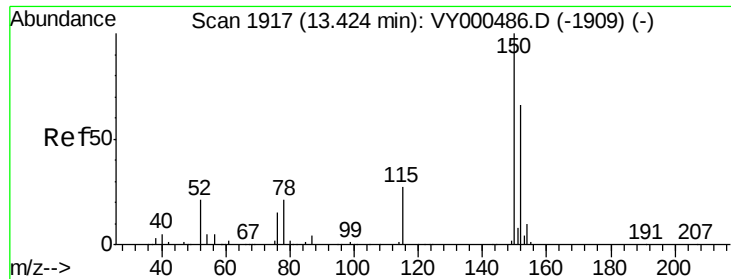
Tot Ion	95	Resp	19042
Ion Ratio	Lower	Upper	
95	100		
174	84.5	0.0	161.6
176	80.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000557.D
Acq: 06 Nov 2019 17:23

Tgt Ion	117	Resp	46693
Ion Ratio	Lower	Upper	
117	100		
82	54.4	40.8	61.2
119	33.5	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

ClientSampled :

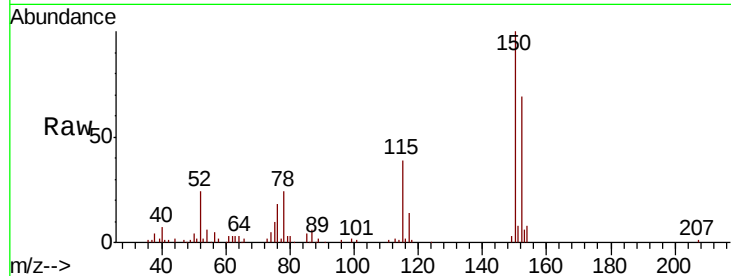
Tot Ion:152 Resp: 20530

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

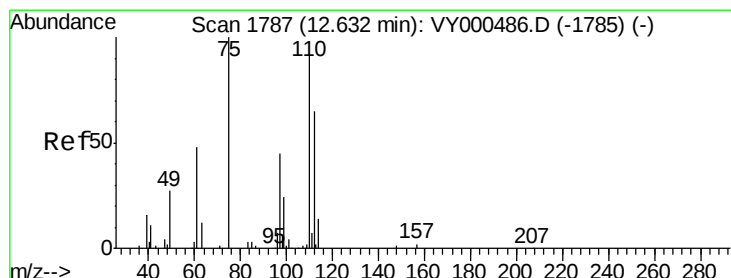
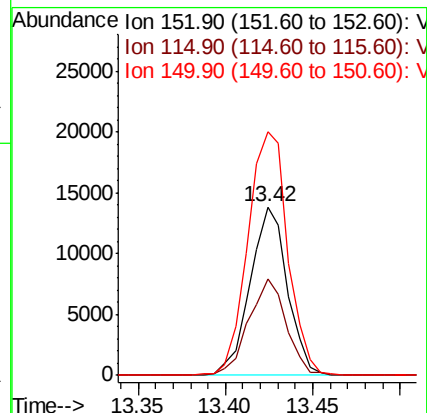
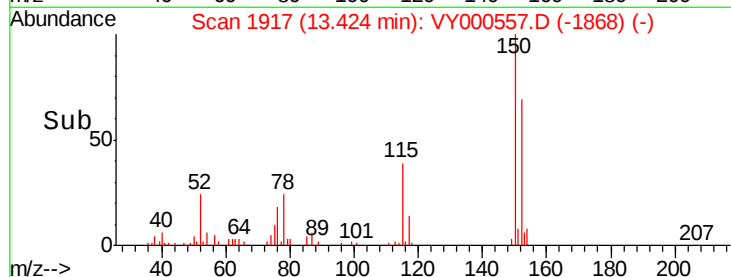
150 154.6 0.0 348.8



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: 46.291 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000557.D

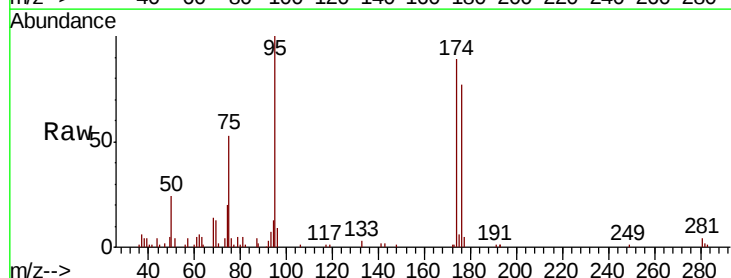
Acq: 06 Nov 2019 17:23

Tgt Ion: 75 Resp: 10821

Ion Ratio Lower Upper

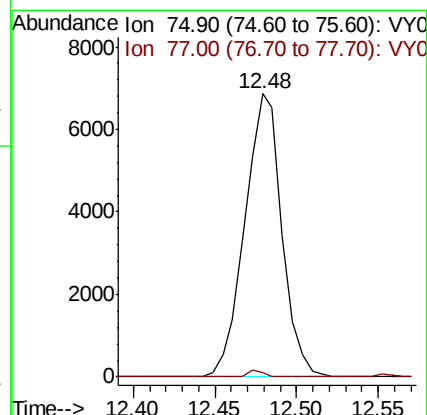
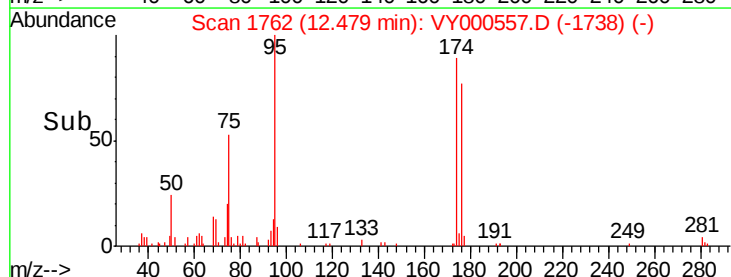
75 100

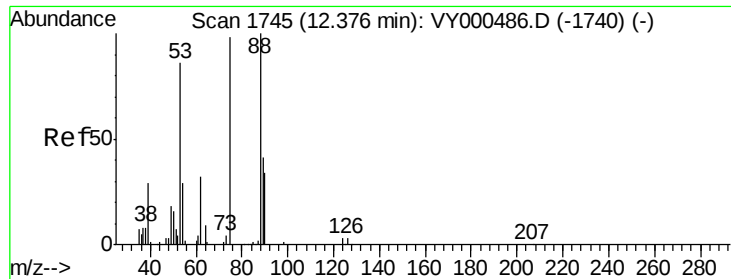
77 0.9 0.0 0.0#



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: 103.790 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000557.D

Acq: 06 Nov 2019 17:23

Instrument :

MSVOA_Y

ClientSampleId :

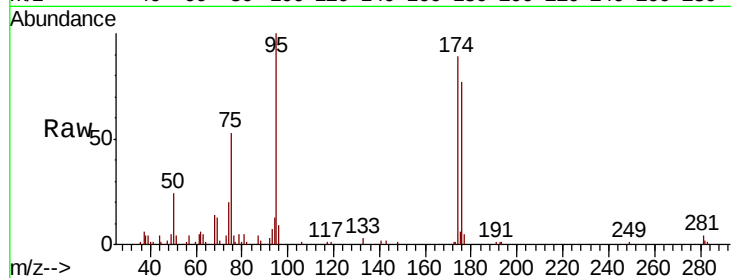
Tot Ion: 75 Resp: 10821

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

