

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000773.D
 Acq On : 21 Nov 2019 17:11
 Operator : SY/MD
 Sample : K5959-02
 Misc : 2.41G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B3

Quant Time: Nov 22 03:15:32 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	312938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	579420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	516343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	224843	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	186673	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.73	113	164220	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.18	98	696495	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.48	95	229816	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

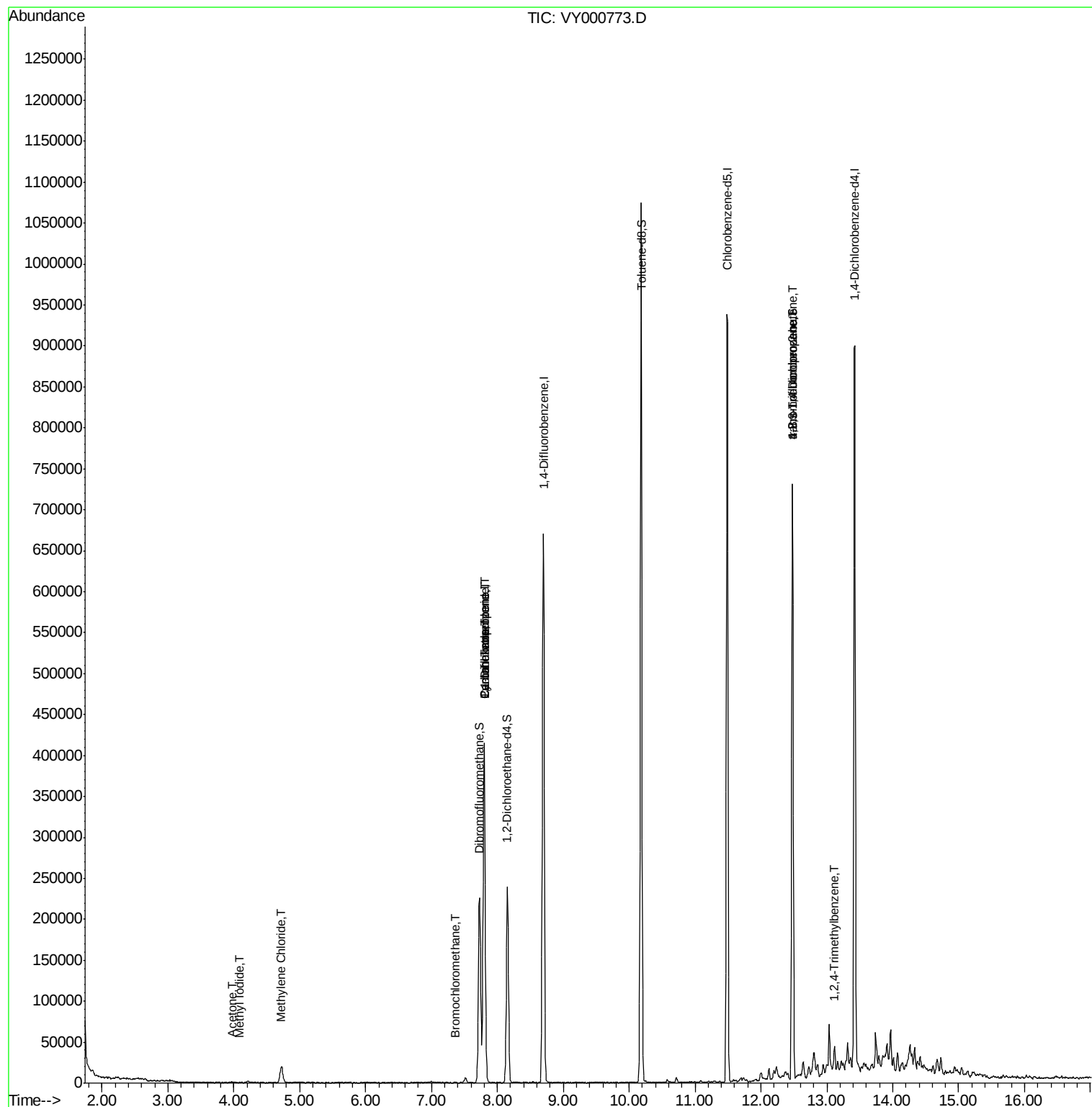
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	170	3.237	ug/l #	91
16) Acetone	3.97	43	2513	2.815	ug/l #	80
20) Methylene Chloride	4.72	84	14625	3.824	ug/l #	92
28) Bromochloromethane	7.36	49	61	4.113	ug/l #	14
31) Cyclohexane	7.80	56	6688	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	27588	5.037	ug/l #	49
38) Carbon Tetrachloride	7.80	117	31431	5.963	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	116864	45.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	116864	102.348	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	16603	1.205	ug/l	96

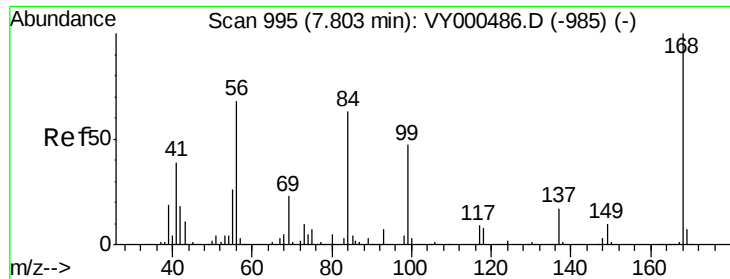
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
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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# 995

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

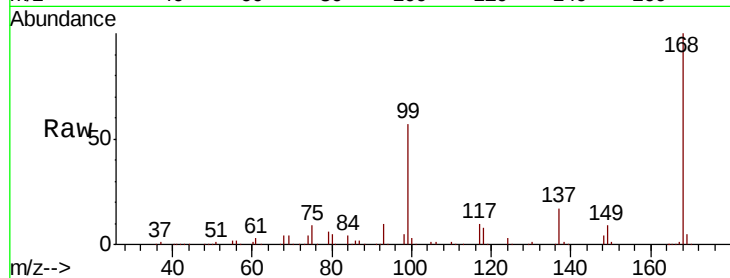
WS-112019-0-1-GRAB-B3

Tot Ion:168 Resp: 312938

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

150000

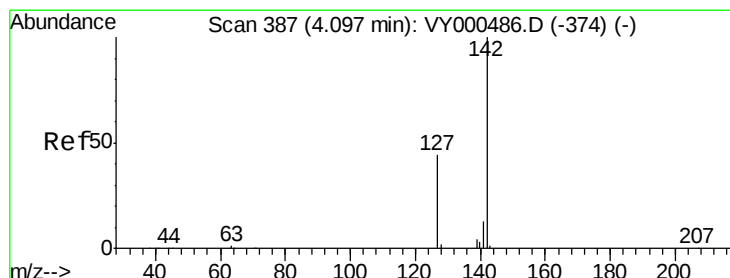
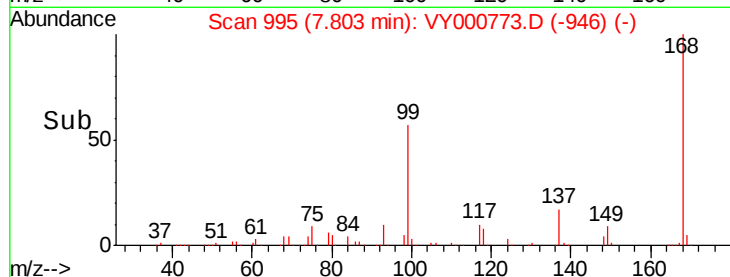
100000

50000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 3.237 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

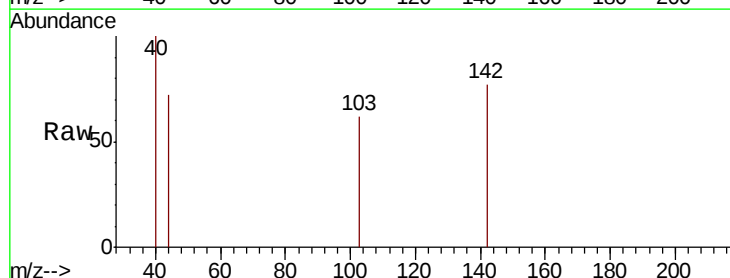
Tgt Ion:142 Resp: 170

Ion Ratio Lower Upper

142 100

127 41.2 33.7 50.5

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.09

250

200

150

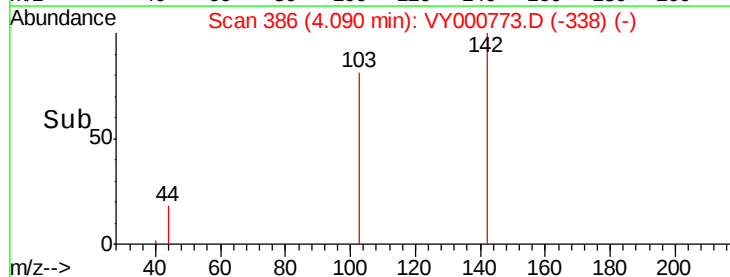
100

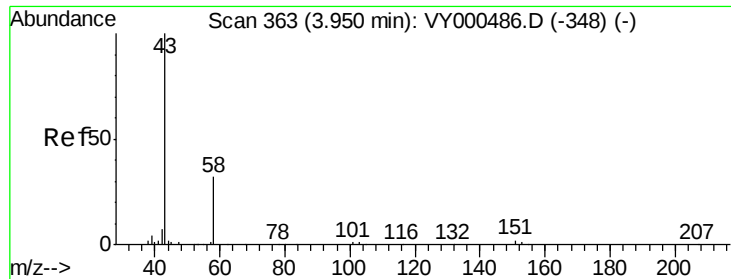
50

0

Time-->

4.06 4.08 4.10





#16

Acetone

Concen: 2.815 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

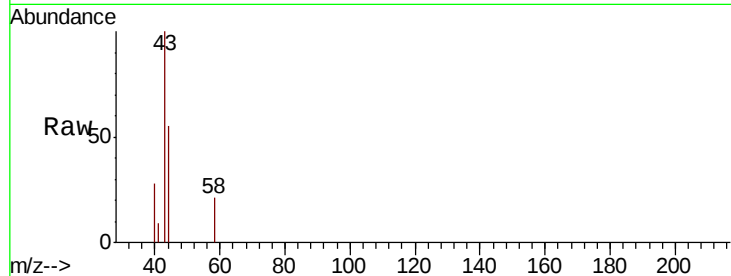
WS-112019-0-1-GRAB-B3

Tot Ion: 43 Resp: 2513

Ion Ratio Lower Upper

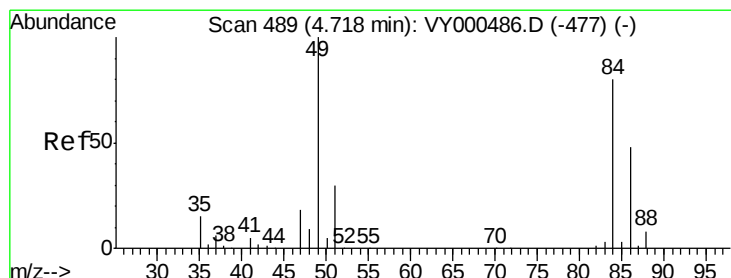
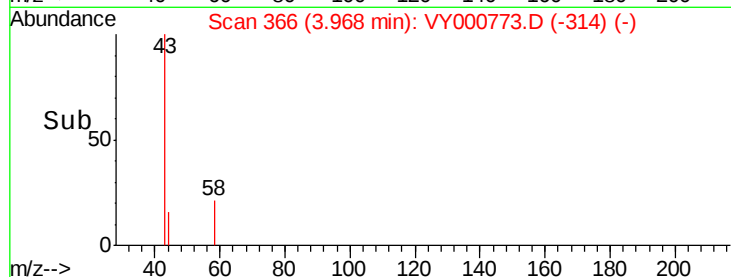
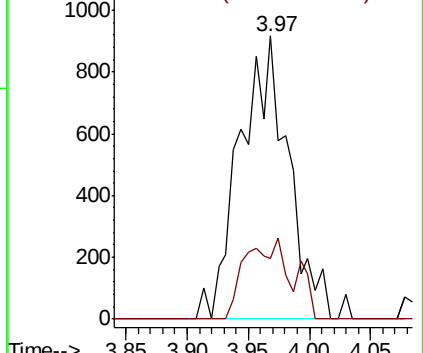
43 100

58 21.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.824 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Tgt Ion: 84 Resp: 14625

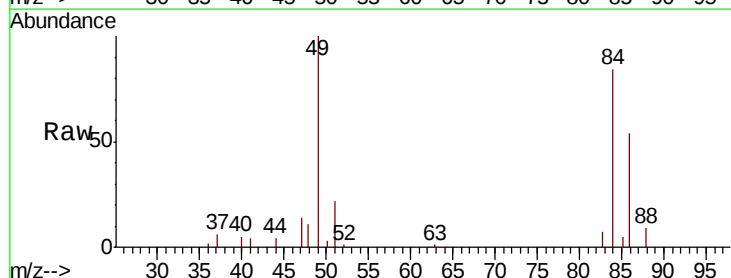
Ion Ratio Lower Upper

84 100

49 119.2 100.2 150.4

51 25.9 29.6 44.4#

86 64.9 48.3 72.5

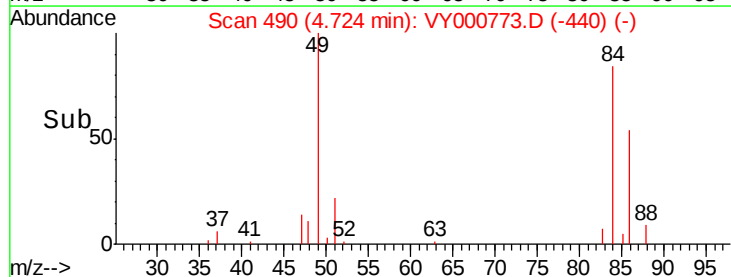
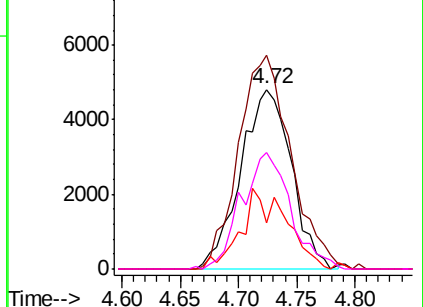


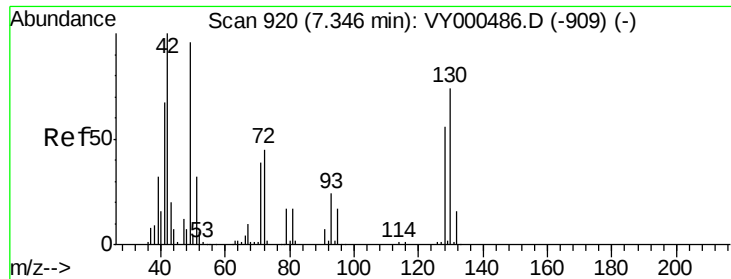
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

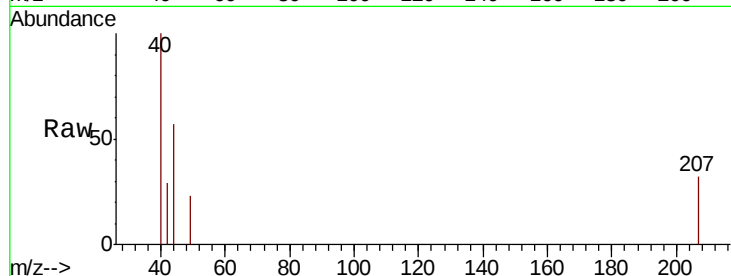




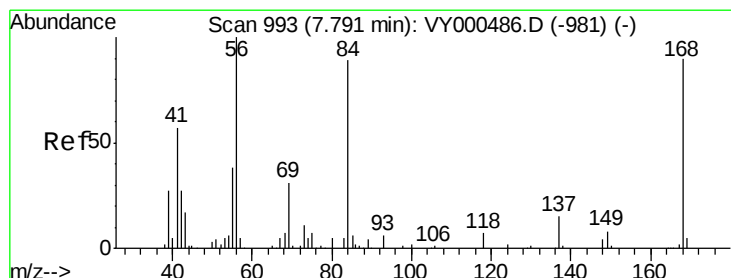
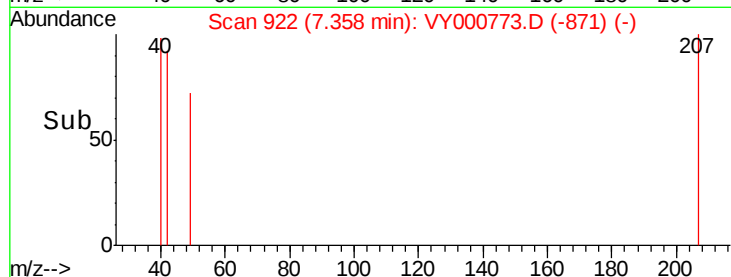
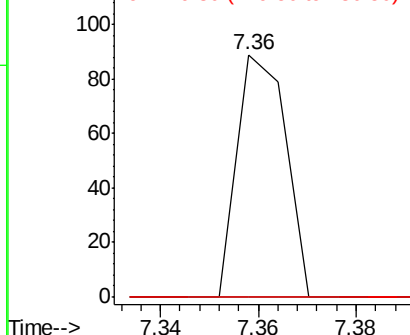
#28
Bromochloromethane
Concen: 4.113 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B3

Tot Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

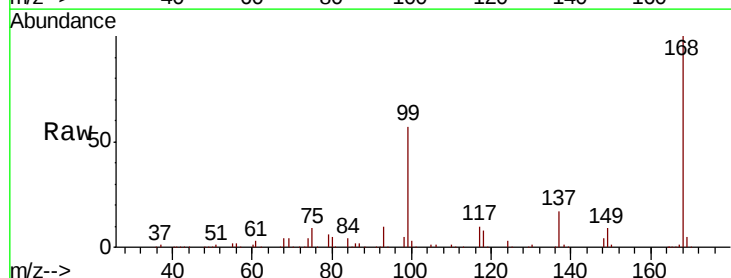


Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

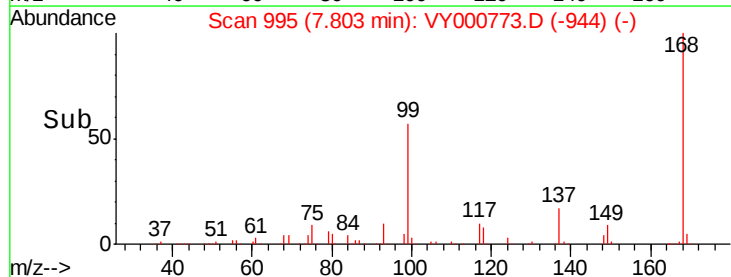
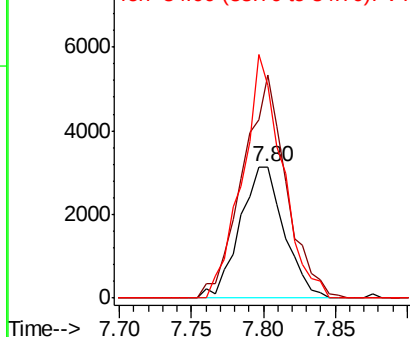


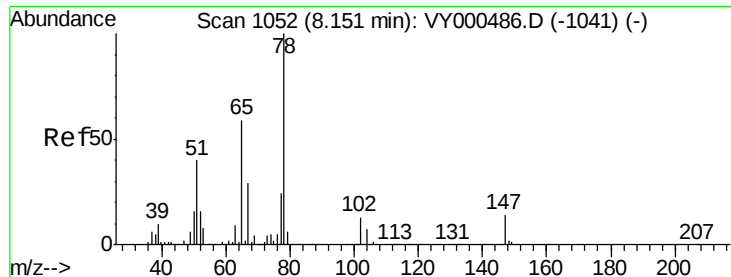
#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Tgt Ion: 56 Resp: 6688
Ion Ratio Lower Upper
56 100
69 169.4 25.0 37.6#
84 161.6 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

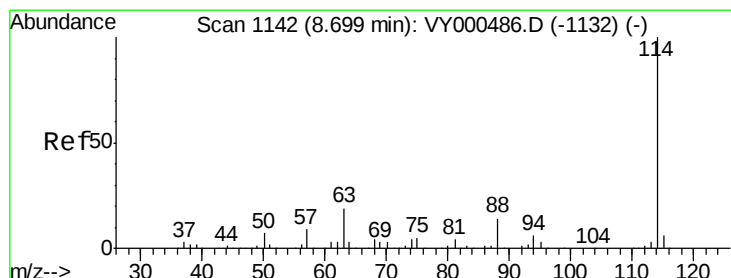
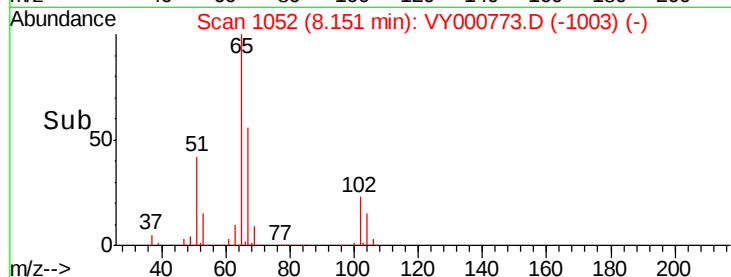
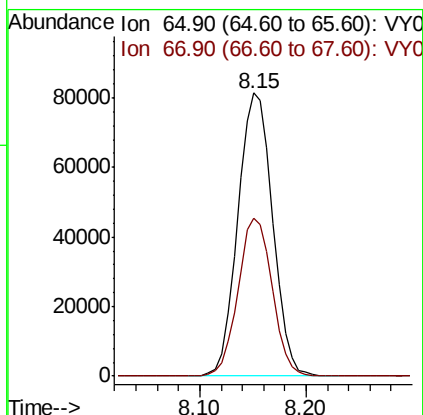
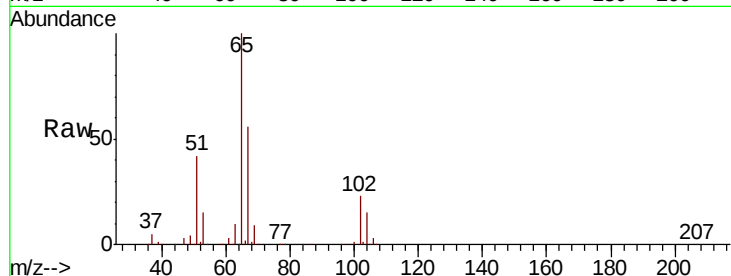




#33
 1,2-Dichloroethane-d4
 Concen: 57.642 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000773.D
 Acq: 21 Nov 2019 17:11

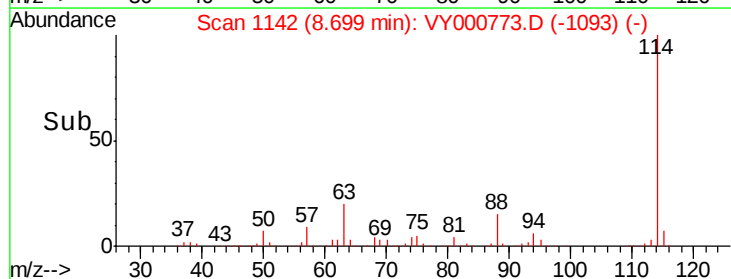
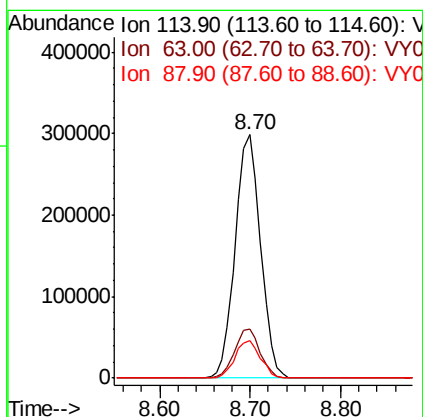
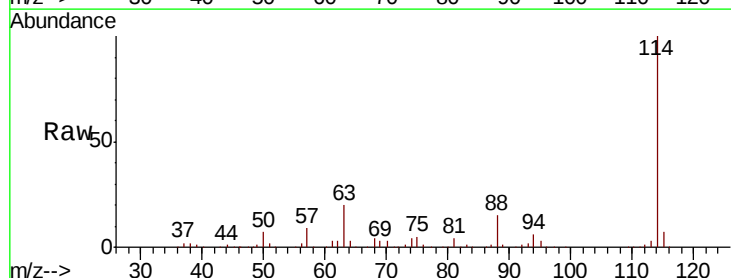
Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B3

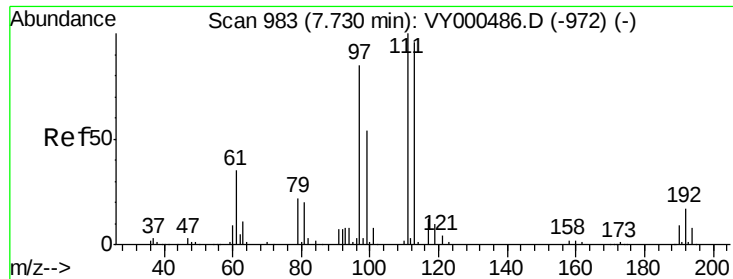
Tot Ion: 65 Resp: 186673
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000773.D
 Acq: 21 Nov 2019 17:11

Tgt Ion: 114 Resp: 579420
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.0
 88 15.5 0.0 28.6

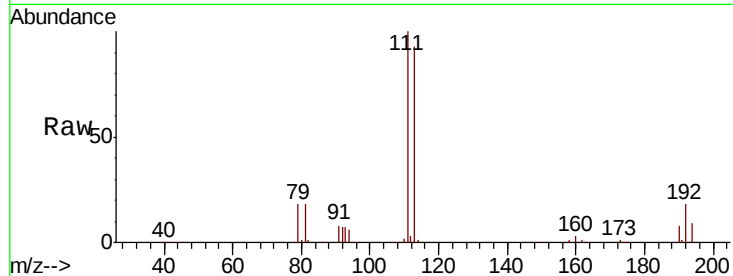




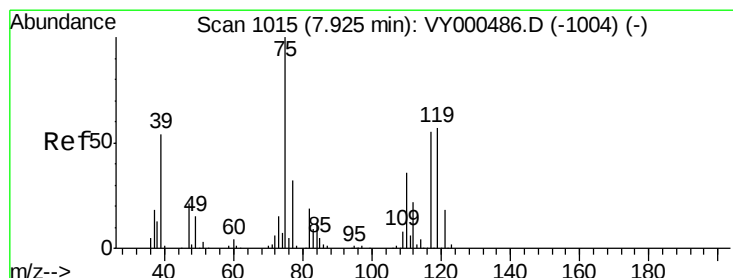
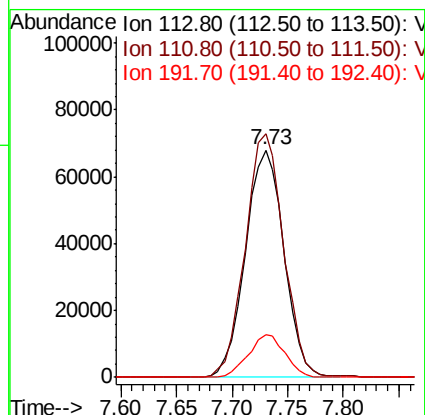
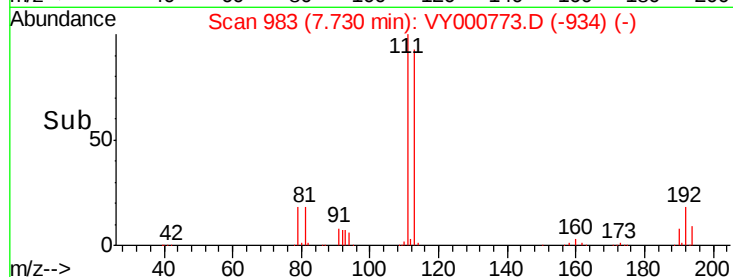
#35
 Dibromofluoromethane
 Concen: 48.278 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000773.D
 Acq: 21 Nov 2019 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B3

Tot Ion:113 Resp: 164220
 Ion Ratio Lower Upper
 113 100
 111 106.5 81.7 122.5
 192 17.9 15.0 22.4

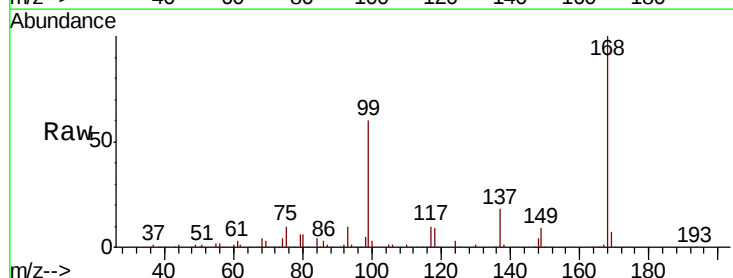


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

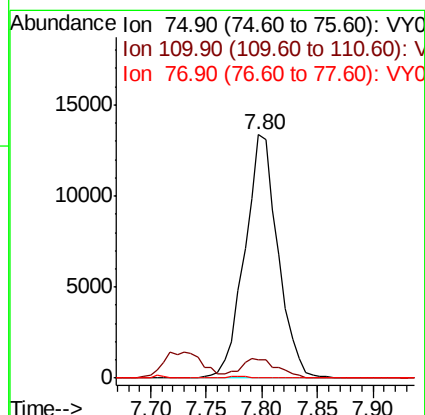
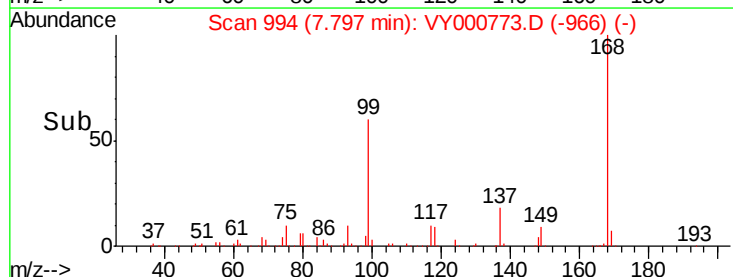


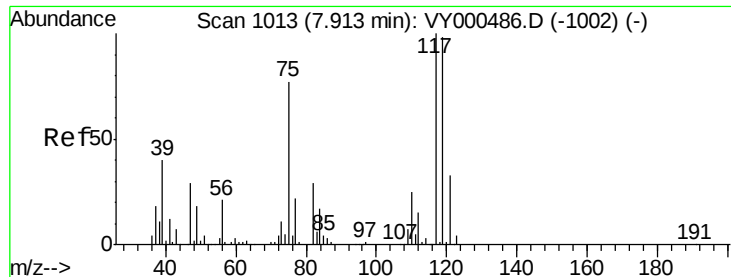
#36
 1,1-Dichloropropene
 Concen: 5.037 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000773.D
 Acq: 21 Nov 2019 17:11

Tgt Ion: 75 Resp: 27588
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.1#
 77 0.6 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

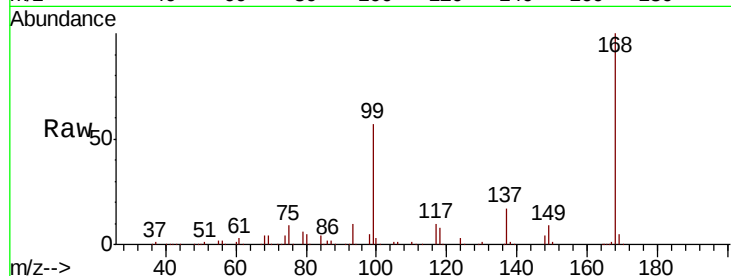




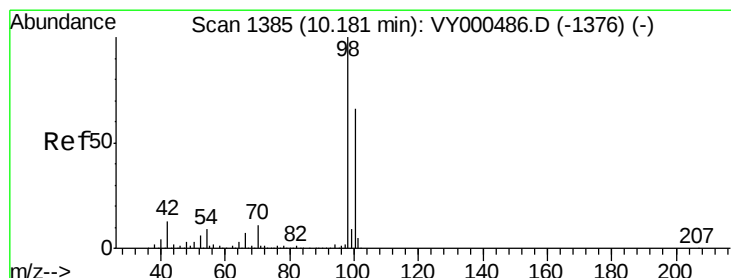
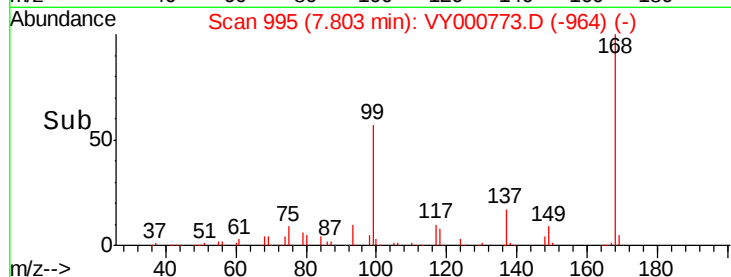
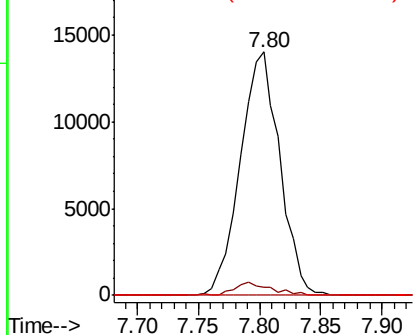
#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Instrument :
MSVOA_Y
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WS-112019-0-1-GRAB-B3

Tot Ion:117 Resp: 31431
Ion Ratio Lower Upper
117 100
119 3.5 78.0 117.0#
121 0.0 26.6 40.0#

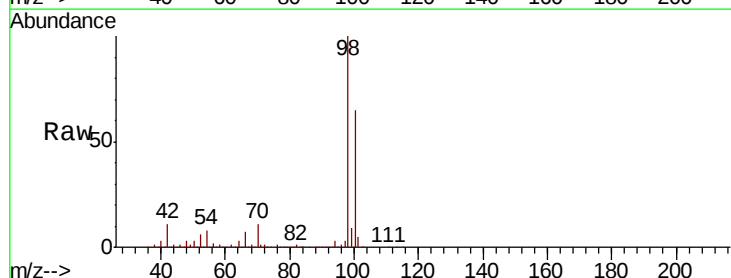


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

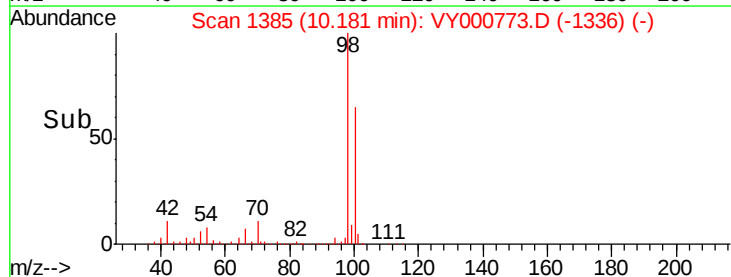
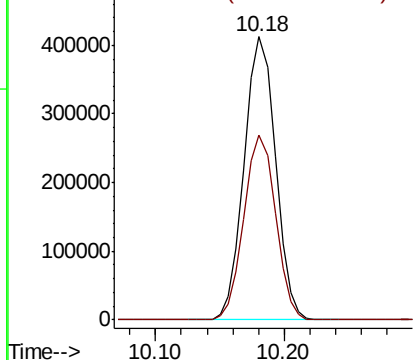


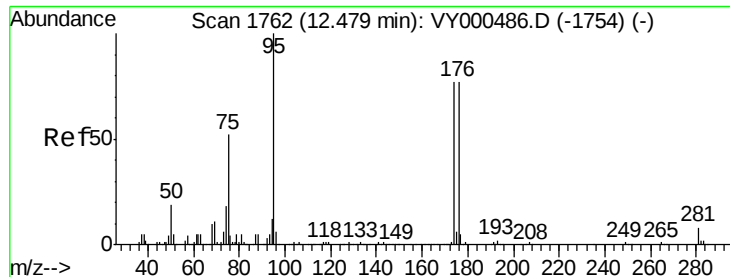
#50
Toluene-d8
Concen: 53.962 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Tgt Ion: 98 Resp: 696495
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 46.771 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B3

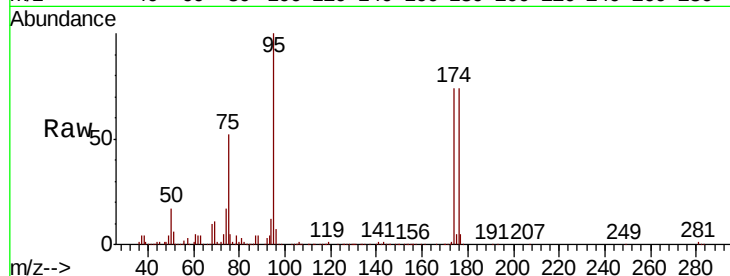
Tot Ion: 95 Resp: 229816

Ion Ratio Lower Upper

95 100

174 75.7 0.0 161.6

176 74.3 0.0 157.8

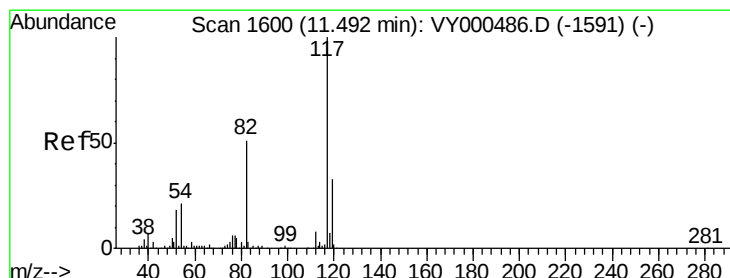
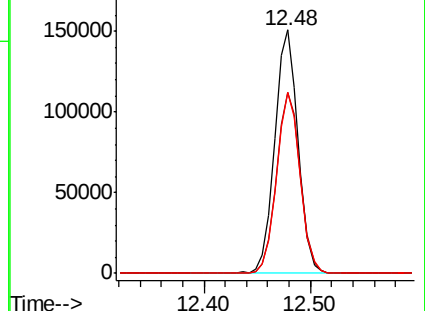
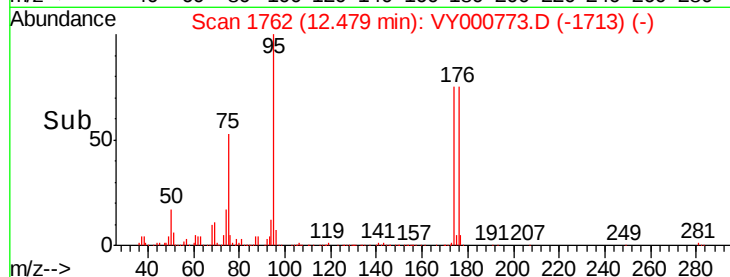


Abundance Ion 94.90 (94.60 to 95.60): VY000773.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000773.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000773.D (-1754) (-)

12.48



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

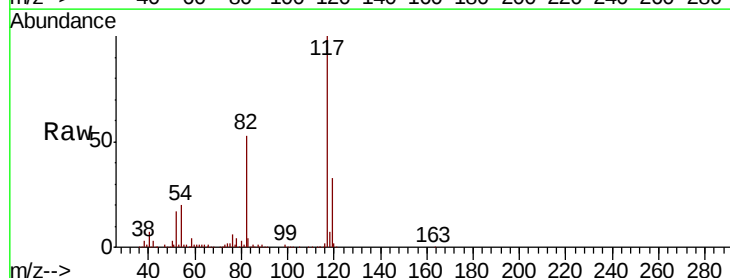
Tgt Ion: 117 Resp: 516343

Ion Ratio Lower Upper

117 100

82 53.4 40.8 61.2

119 32.7 26.2 39.2

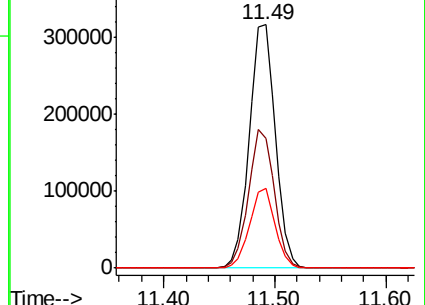
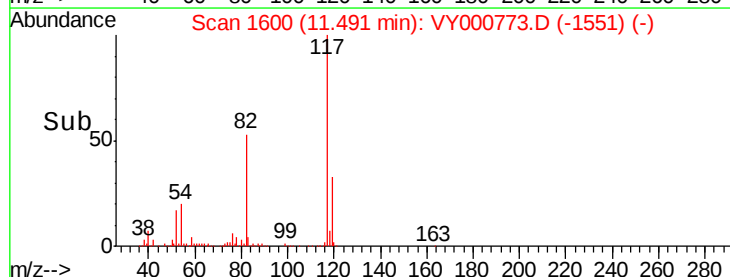


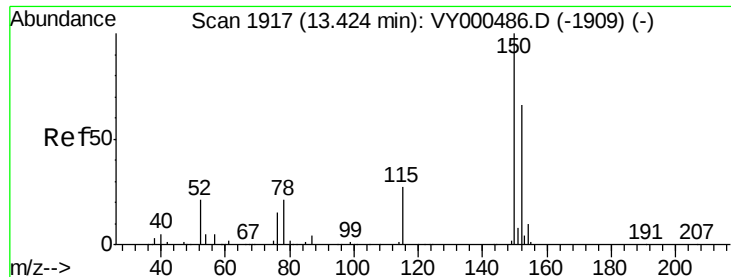
Abundance Ion 116.90 (116.60 to 117.60): VY000773.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000773.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000773.D (-1551) (-)

11.49



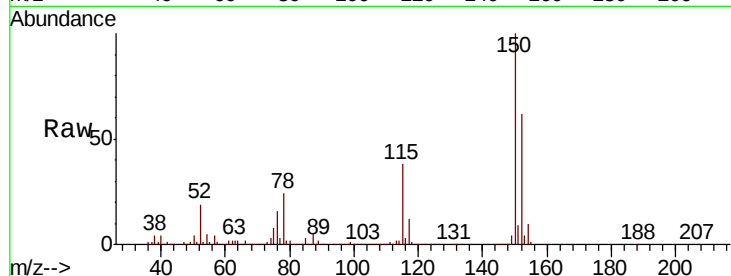


#72

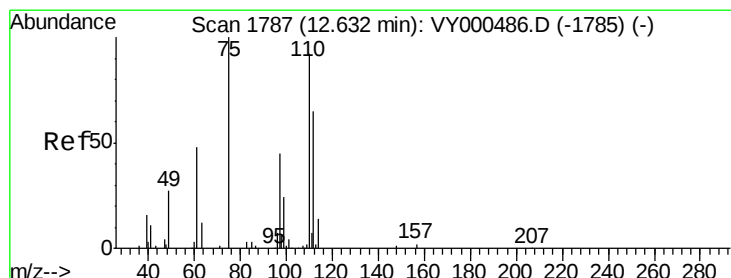
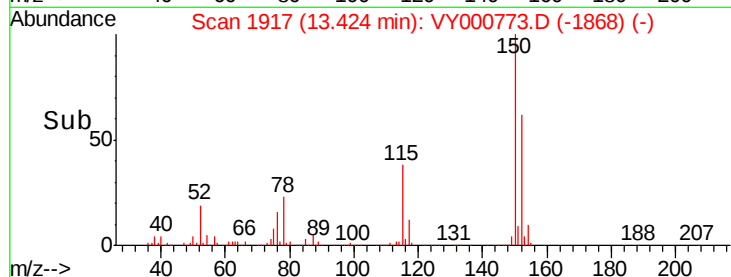
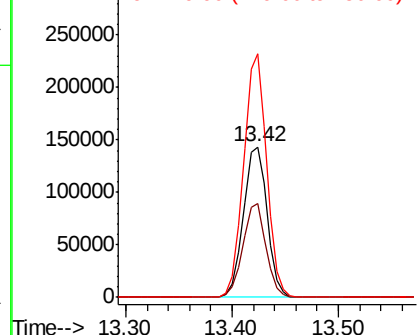
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B3

Tot Ion:152 Resp: 224843
Ion Ratio Lower Upper
152 100
115 60.7 29.1 87.4
150 156.3 0.0 348.8



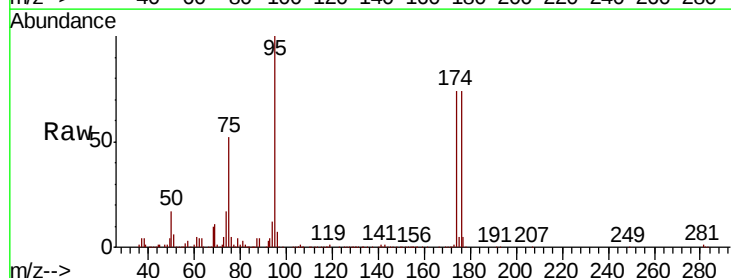
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



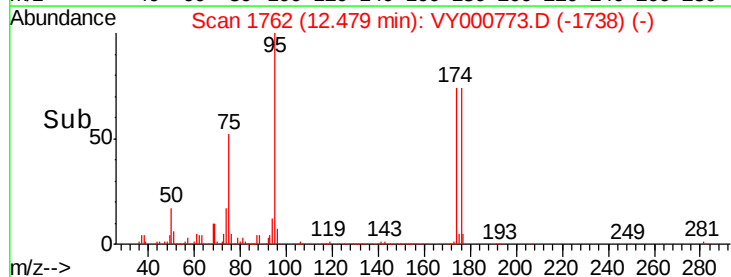
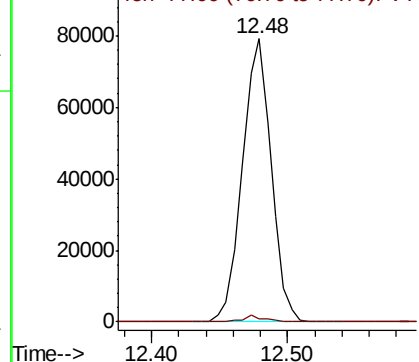
#76

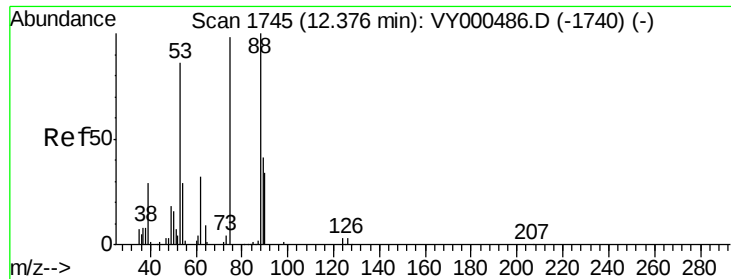
1,2,3-Trichloropropane
Concen: 45.647 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000773.D
Acq: 21 Nov 2019 17:11

Tgt Ion: 75 Resp: 116864
Ion Ratio Lower Upper
75 100
77 1.7 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: 102.348 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000773.D

Acq: 21 Nov 2019 17:11

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B3

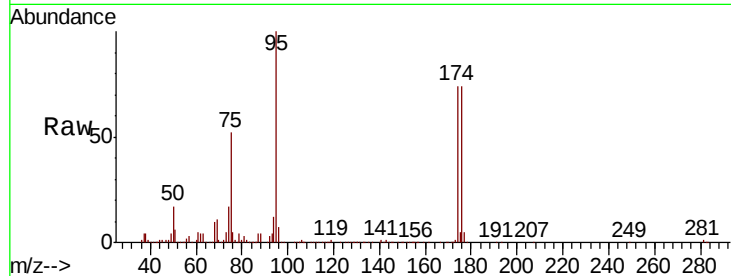
Tot Ion: 75 Resp: 116864

Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

89 0.1 35.9 53.9#



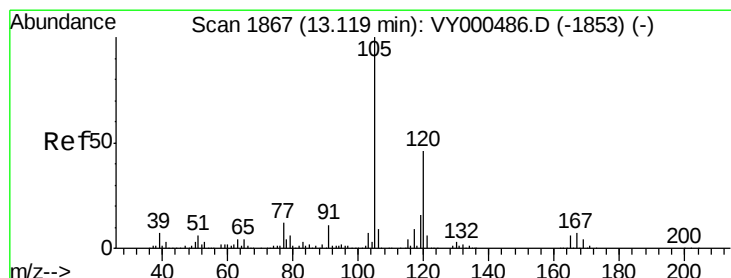
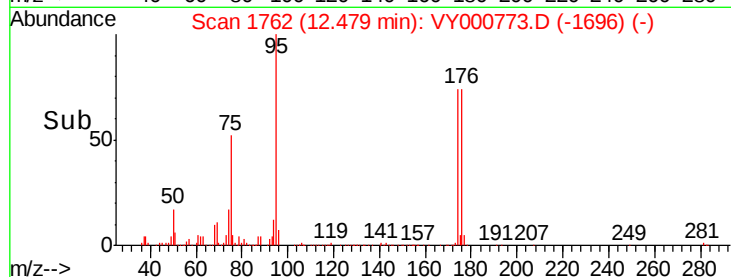
Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1740) (-)

Ion 53.00 (52.70 to 53.70): VY000486.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY000486.D (-1740) (-)

12.48

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 1.205 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000773.D

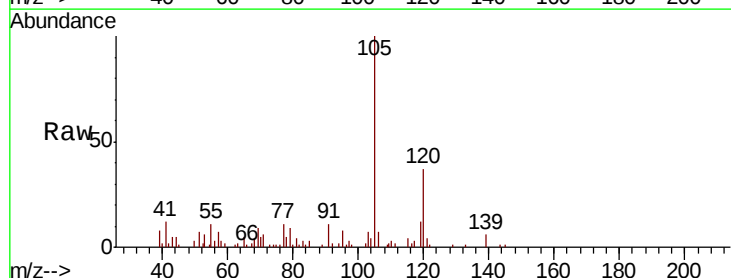
Acq: 21 Nov 2019 17:11

Tgt Ion: 105 Resp: 16603

Ion Ratio Lower Upper

105 100

120 43.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1853) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1853) (-)

13.12

Time-->

