

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000714.D
 Acq On : 15 Nov 2019 20:02
 Operator : SY/MD
 Sample : K5861-06
 Misc : 5.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:34:07 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	157320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	284442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	263287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	125360	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	100929	61.99	ug/l	0.00
Spiked Amount			Recovery	=	123.98%	
35) Dibromofluoromethane	7.73	113	84054	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.18	98	329978	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.48	95	116648	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

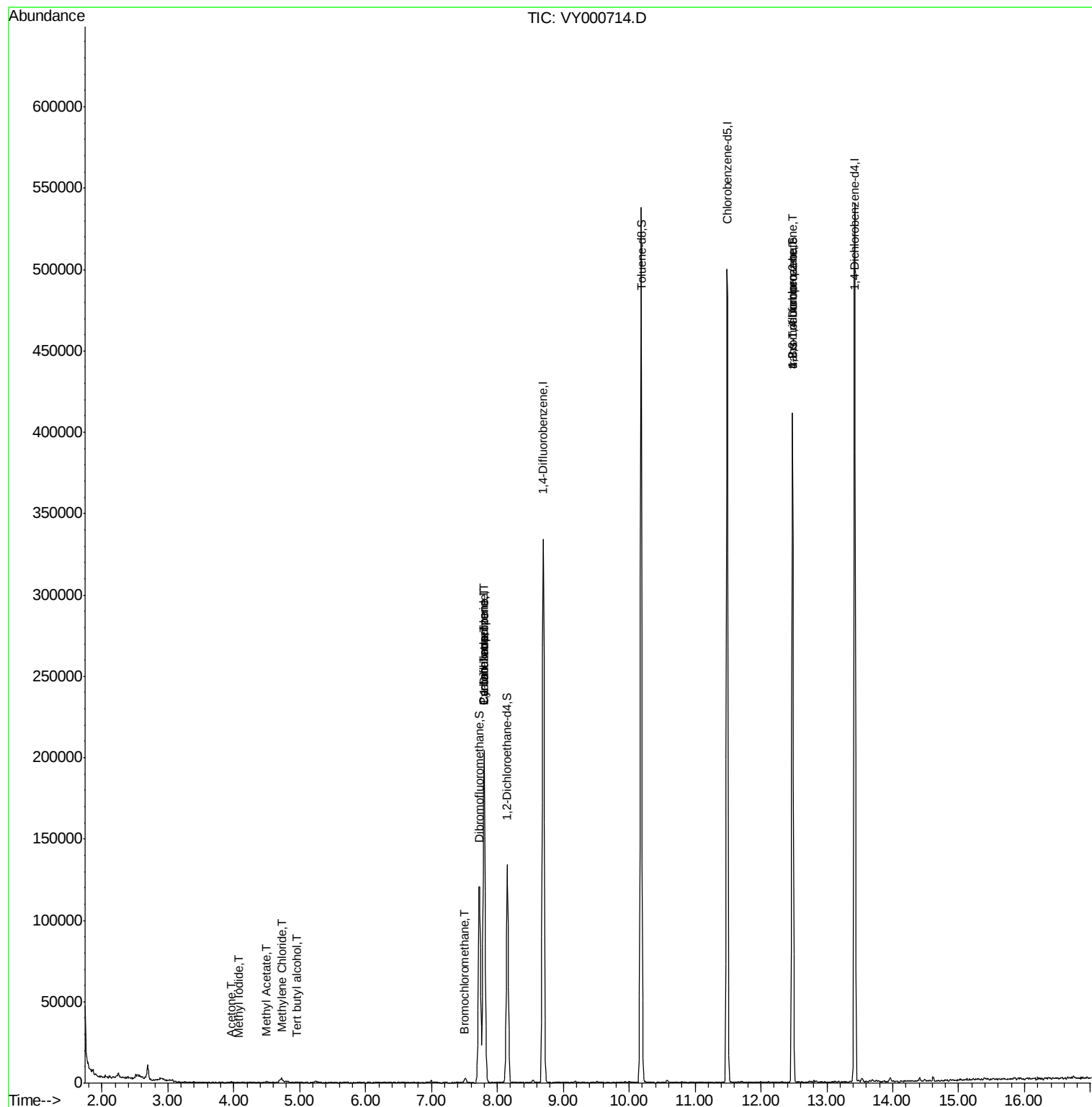
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.07	142	64	3.227	ug/l #	41
11) Tert butyl alcohol	4.95	59	312	1.969	ug/l #	72
16) Acetone	3.96	43	747	1.665	ug/l #	42
18) Methyl Acetate	4.49	43	1996	1.431	ug/l #	79
20) Methylene Chloride	4.72	84	2151	1.119	ug/l #	90
28) Bromochloromethane	7.50	49	135	4.183	ug/l #	14
31) Cyclohexane	7.79	56	3958	1.256	ug/l #	58
36) 1,1-Dichloropropene	7.80	75	12081	4.493	ug/l #	52
38) Carbon Tetrachloride	7.80	117	15673	6.057	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	64273	45.028	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	64273	100.959	ug/l #	13

(#) = 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# 994

Delta R.T. -0.01 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Instrument :

MSVOA_Y

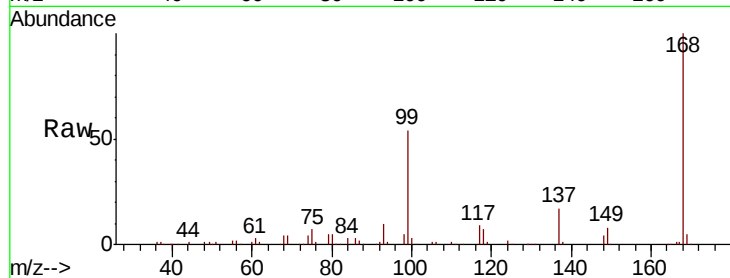
ClientSampleId :

Tot Ion:168 Resp: 157320

Ion Ratio Lower Upper

168 100

99 54.3 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

80000

60000

40000

20000

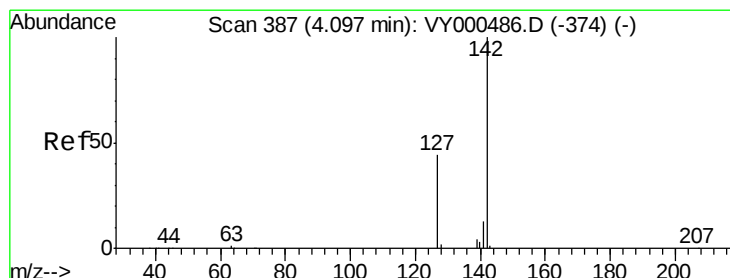
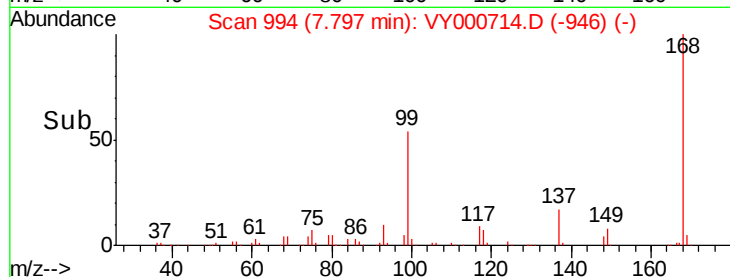
0

Time-->

7.70

7.80

7.90



#10

Methyl Iodide

Concen: 3.227 ug/l

RT: 4.07 min Scan# 383

Delta R.T. -0.02 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

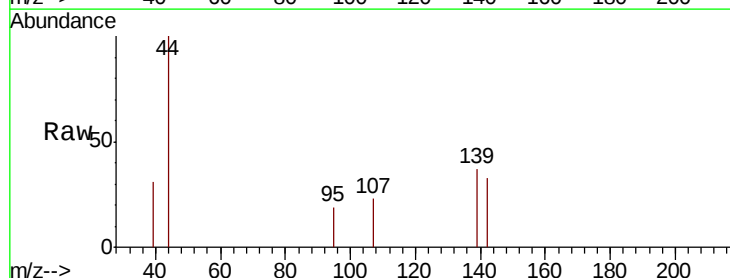
Tgt Ion:142 Resp: 64

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

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

120

100

80

60

40

20

0

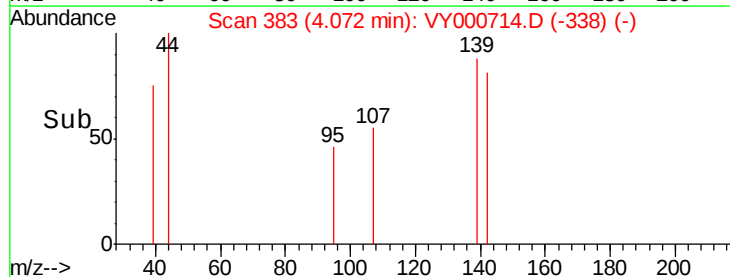
Time-->

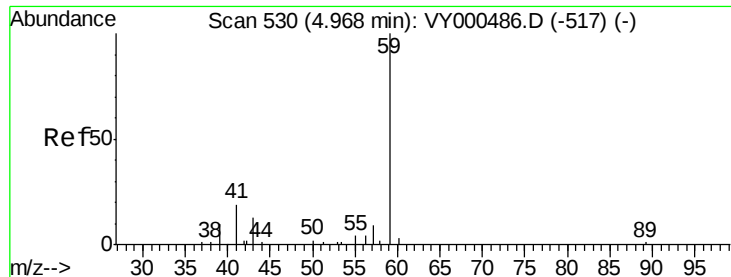
4.06

4.07

4.08

4.10



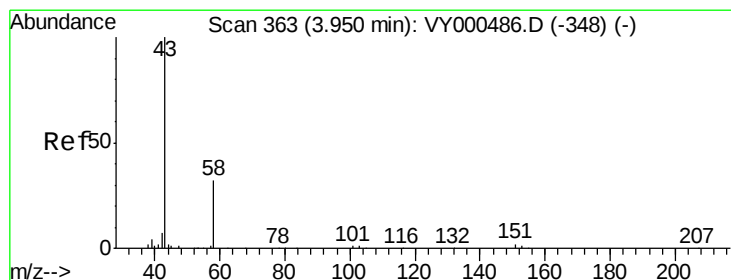
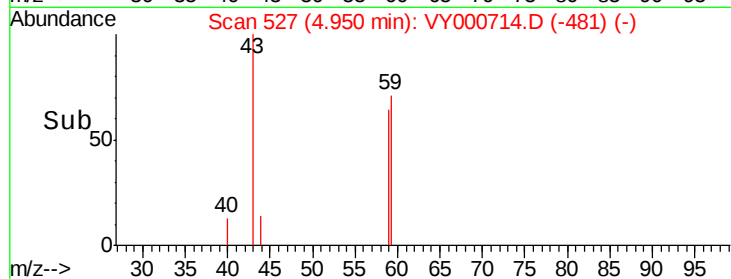
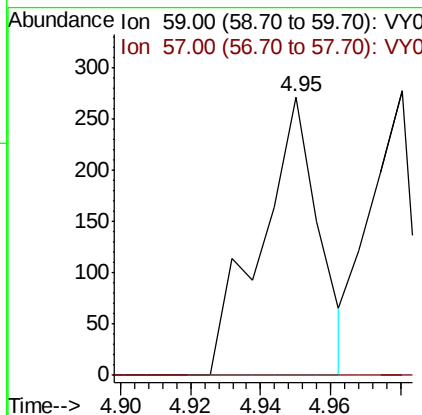
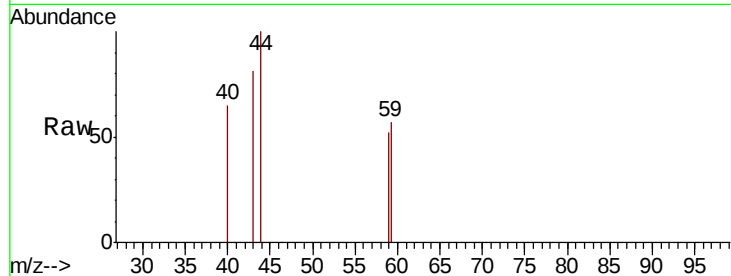


#11

Tert butyl alcohol
 Concen: 1.969 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

Instrument :
 MSVOA_Y
 ClientSampled :

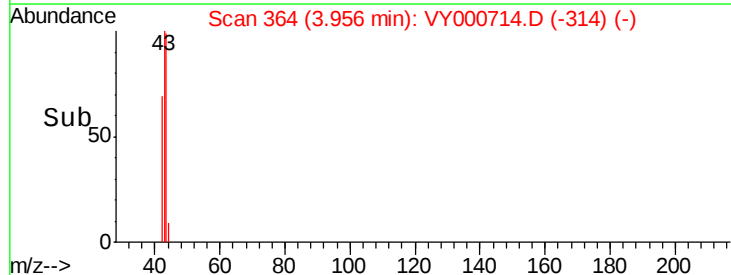
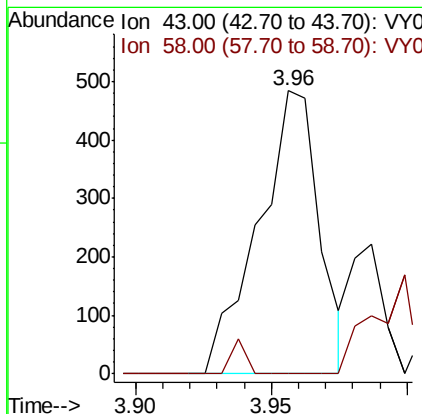
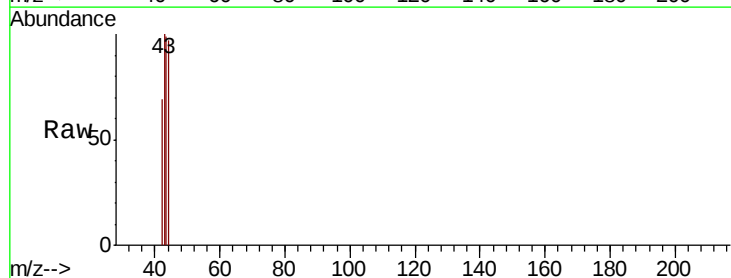
Tot Ion: 59 Resp: 312
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

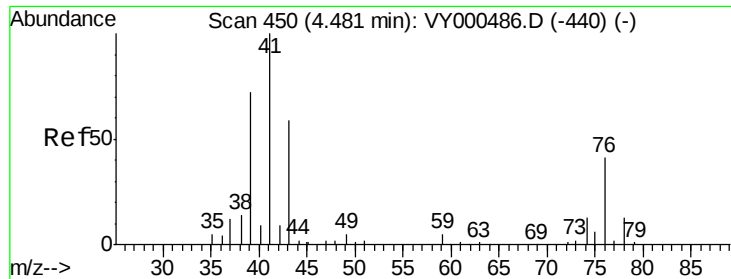


#16

Acetone
 Concen: 1.665 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

Tgt Ion: 43 Resp: 747
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.8 38.6#





#18

Methyl Acetate

Concen: 1.431 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Instrument :

MSVOA_Y

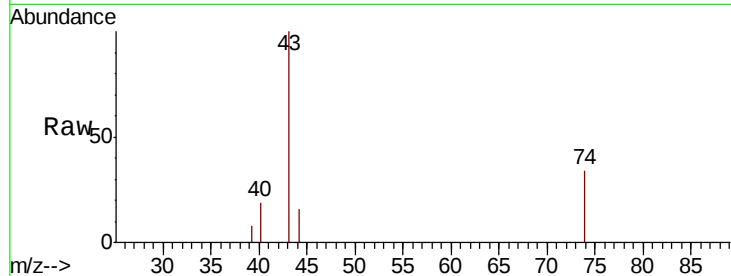
ClientSampled :

Tot Ion: 43 Resp: 1996

Ion Ratio Lower Upper

43 100

74 13.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

800

600

400

200

0

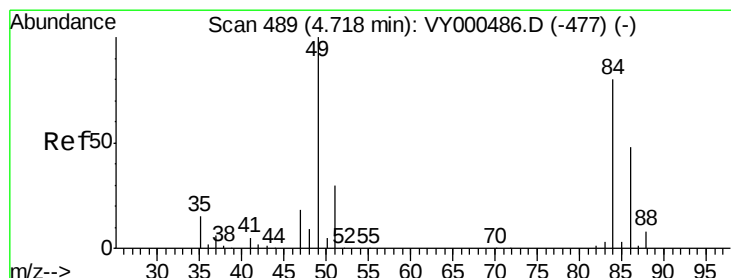
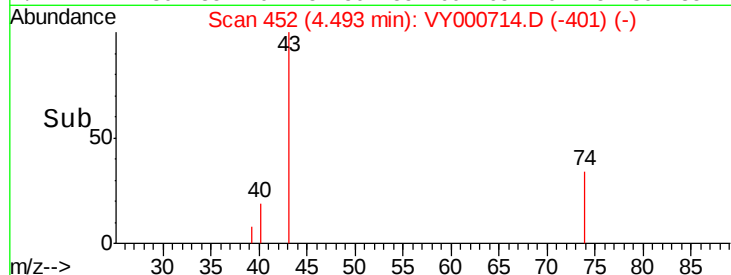
4.40

4.45

4.50

4.55

Time-->



#20

Methylene Chloride

Concen: 1.119 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Tgt Ion: 84 Resp: 2151

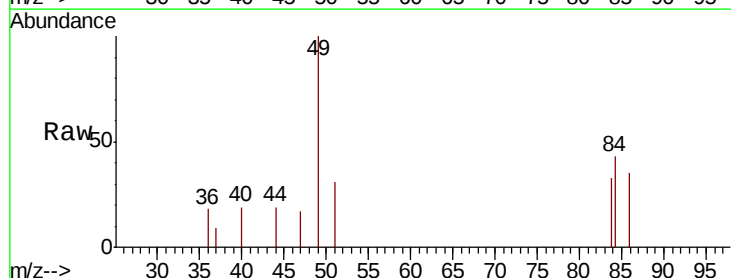
Ion Ratio Lower Upper

84 100

49 132.7 100.2 150.4

51 40.9 29.6 44.4

86 46.3 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

1500

1000

500

0

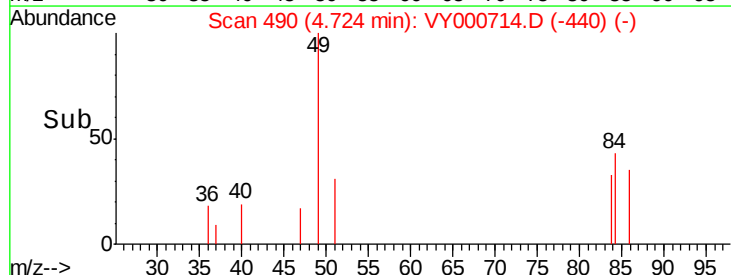
4.65

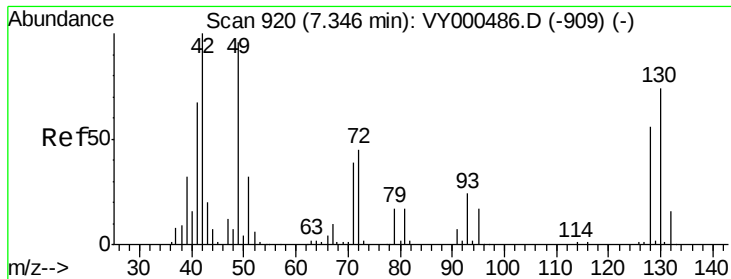
4.70

4.75

4.80

Time-->





#28

Bromochloromethane

Concen: 4.183 ug/l

RT: 7.50 min Scan# 946

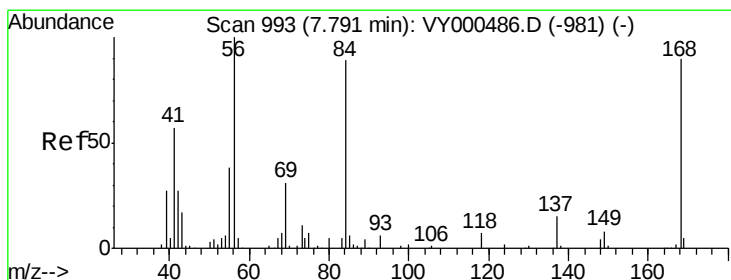
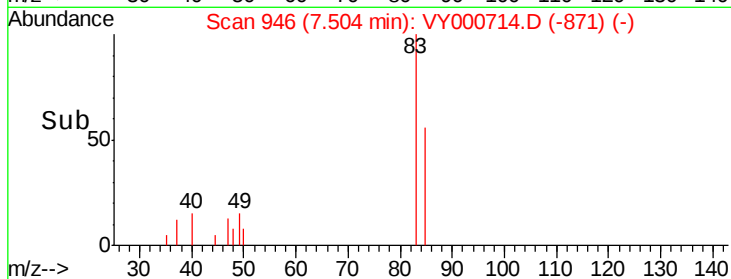
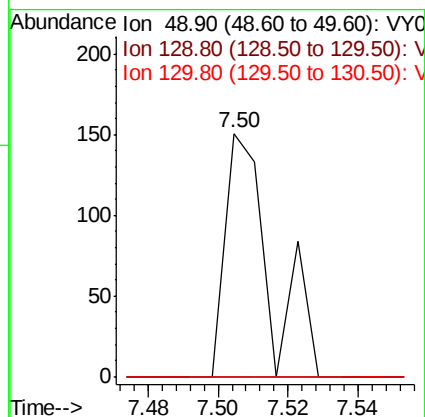
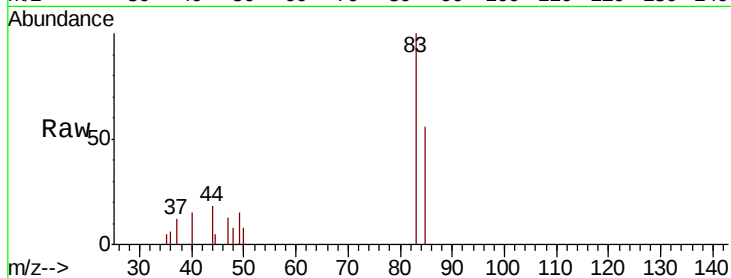
Delta R.T. 0.16 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 135
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.256 ug/l

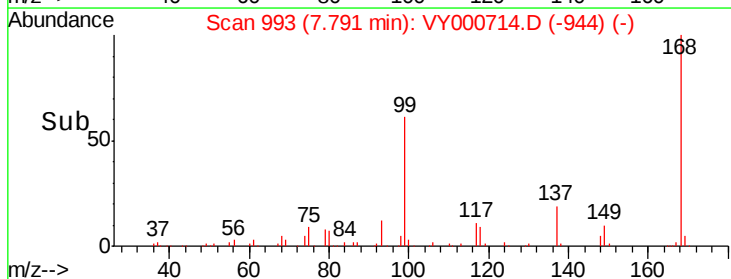
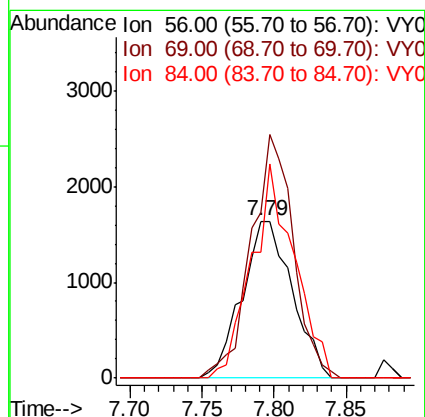
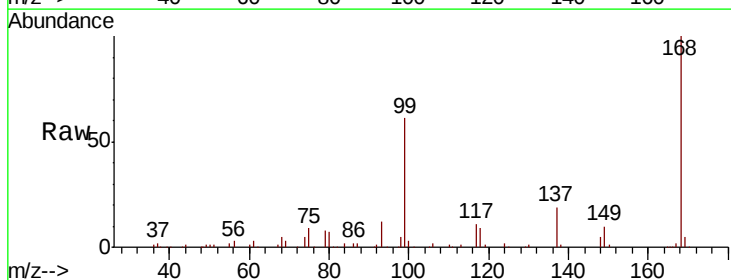
RT: 7.79 min Scan# 993

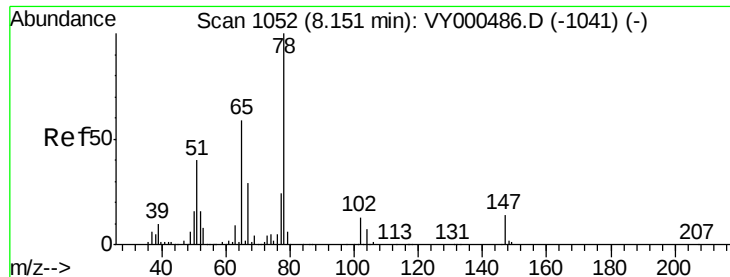
Delta R.T. -0.00 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Tgt Ion: 56 Resp: 3958
Ion Ratio Lower Upper
56 100
69 105.2 25.0 37.6#
84 79.7 71.4 107.2

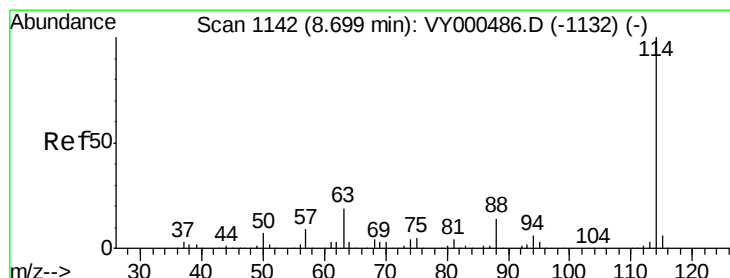
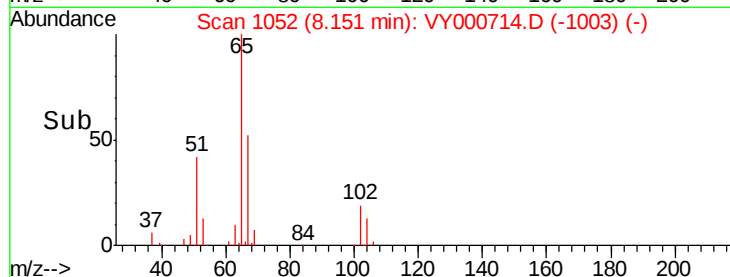
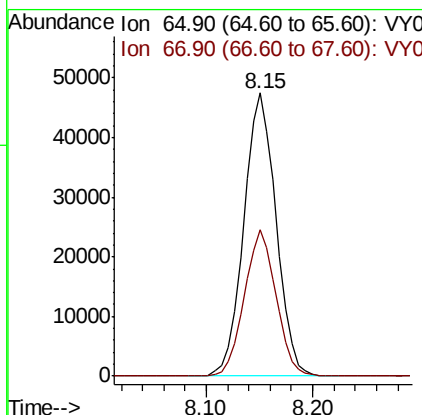
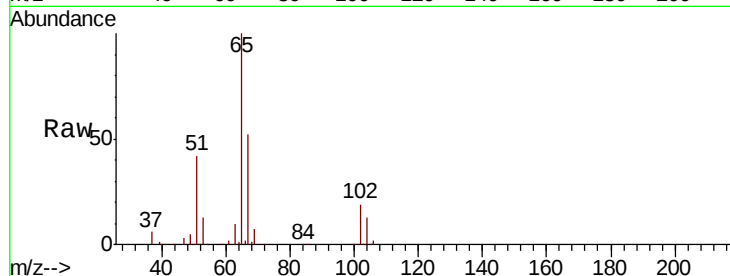




#33
 1,2-Dichloroethane-d4
 Concen: 61.994 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

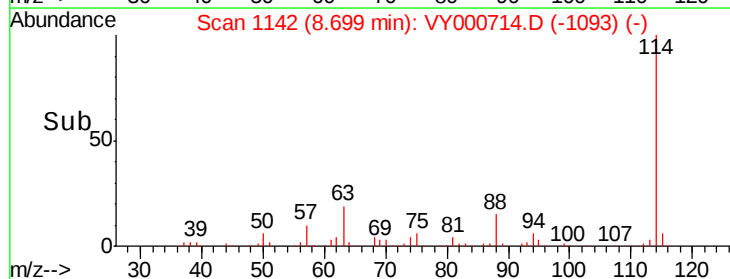
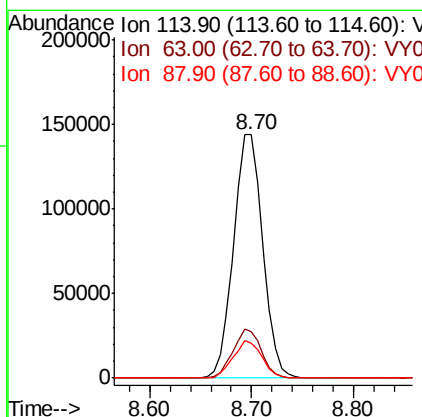
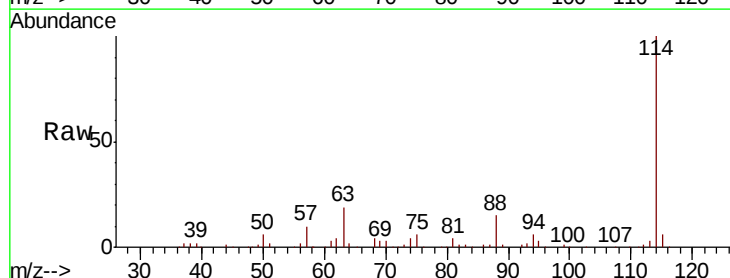
Instrument :
 MSVOA_Y
 ClientSampled :

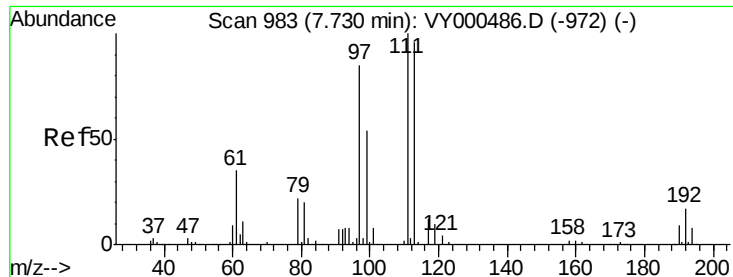
Tot Ion: 65 Resp: 100929
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

Tgt Ion: 114 Resp: 284442
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.5 0.0 28.6

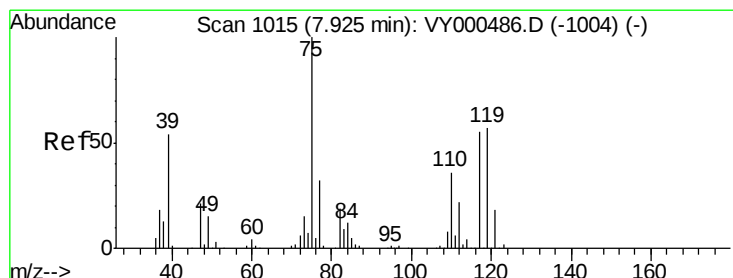
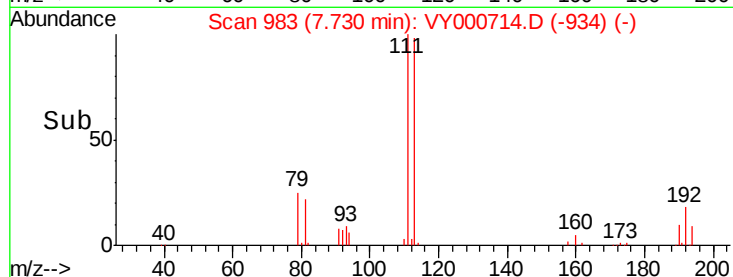
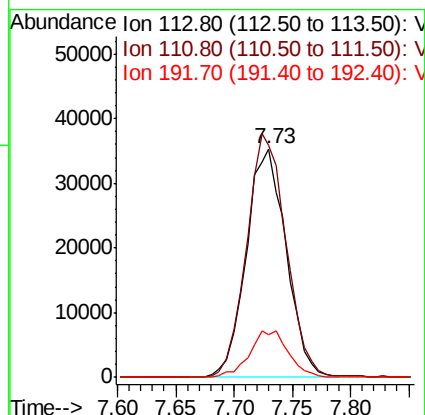
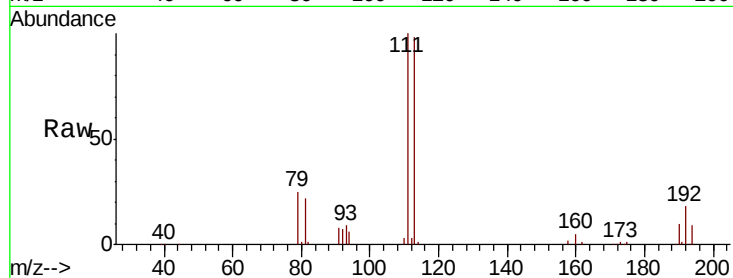




#35
 Dibromofluoromethane
 Concen: 50.336 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

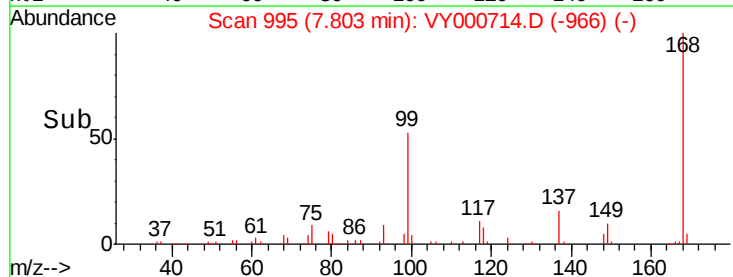
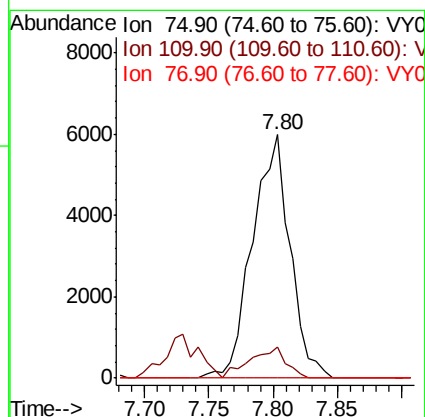
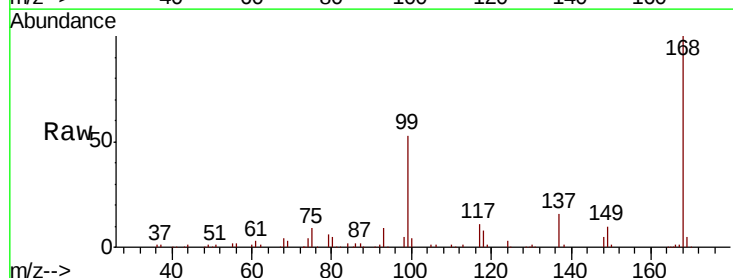
Instrument :
 MSVOA_Y
 ClientSampleId :

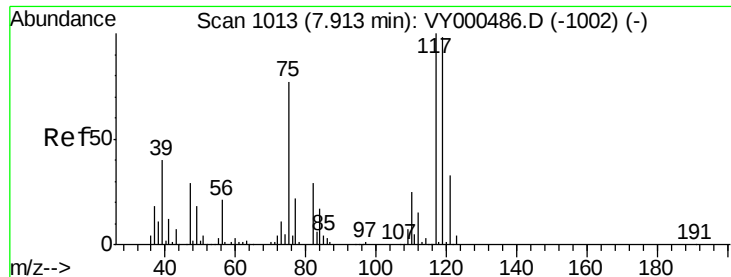
Tot Ion:113 Resp: 84054
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.7 122.5
 192 19.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.493 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000714.D
 Acq: 15 Nov 2019 20:02

Tgt Ion: 75 Resp: 12081
 Ion Ratio Lower Upper
 75 100
 110 12.3 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Instrument :

MSVOA_Y

ClientSampleId :

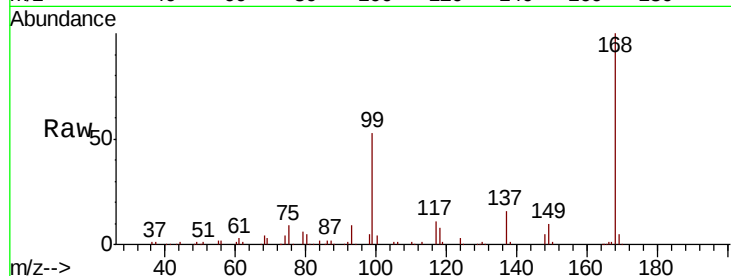
Tot Ion:117 Resp: 15673

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

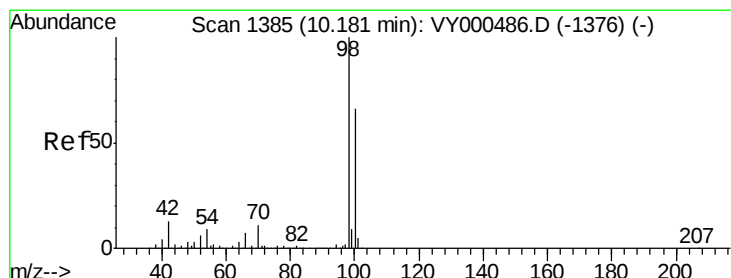
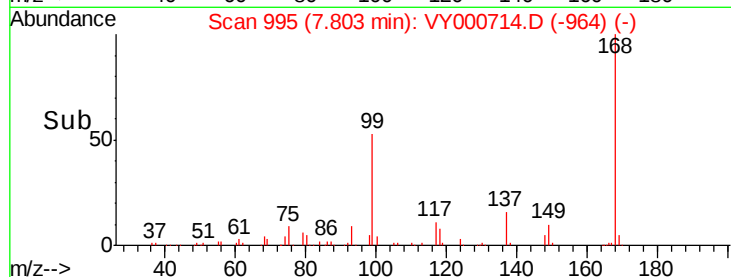
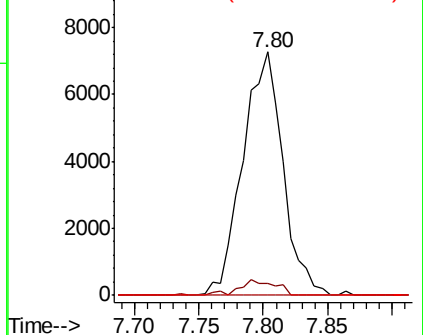
121 0.0 26.6 40.0#



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: 52.078 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000714.D

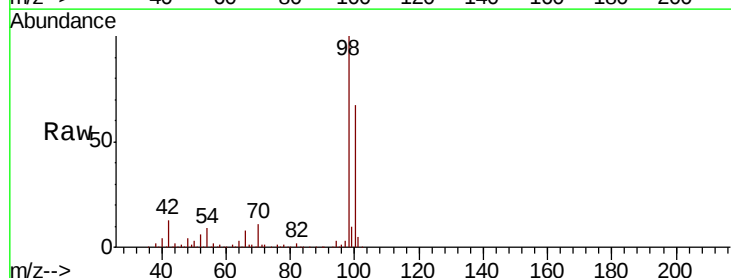
Acq: 15 Nov 2019 20:02

Tgt Ion: 98 Resp: 329978

Ion Ratio Lower Upper

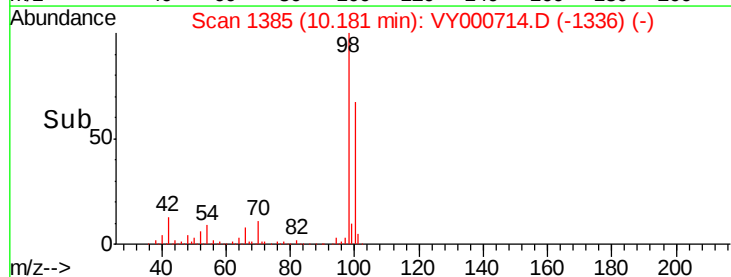
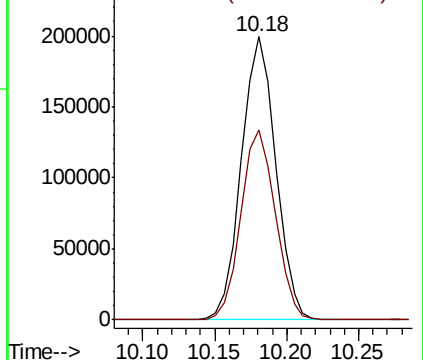
98 100

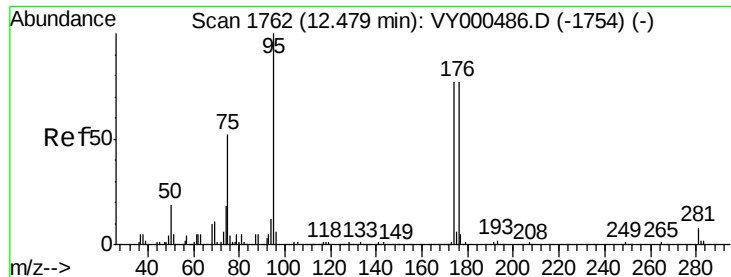
100 67.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

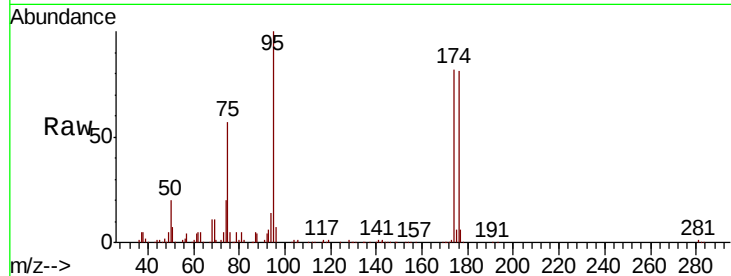




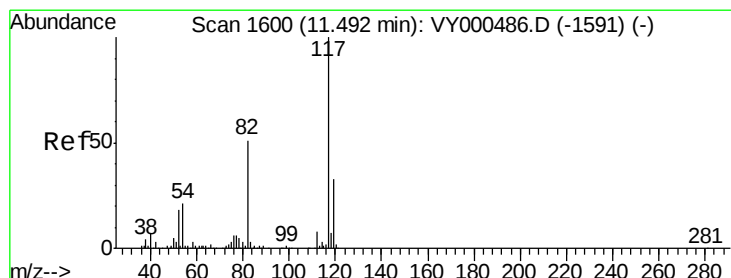
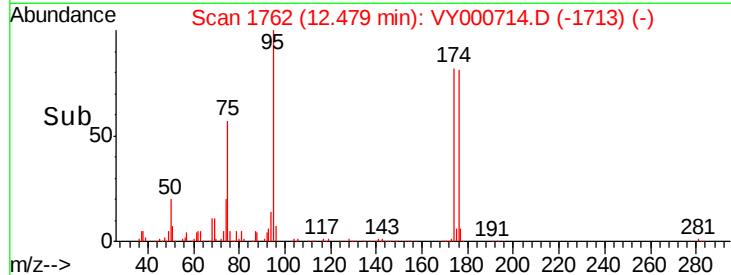
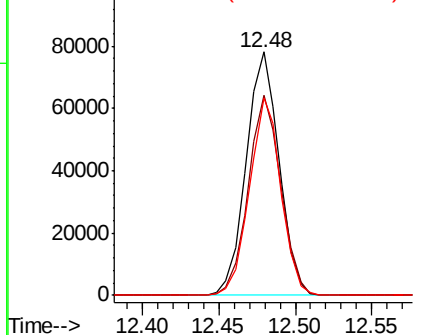
#62
4-Bromofluorobenzene
Concen: 48.358 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000714.D
Acq: 15 Nov 2019 20:02

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.6
176	77.5	0.0	157.8

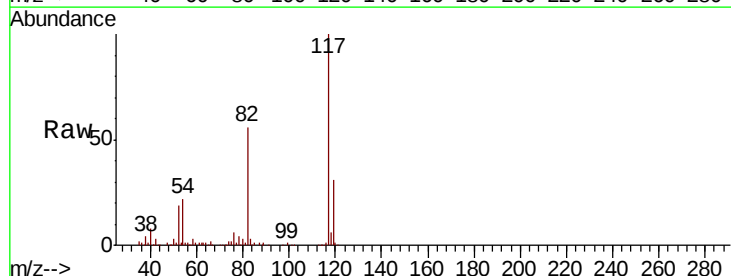


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

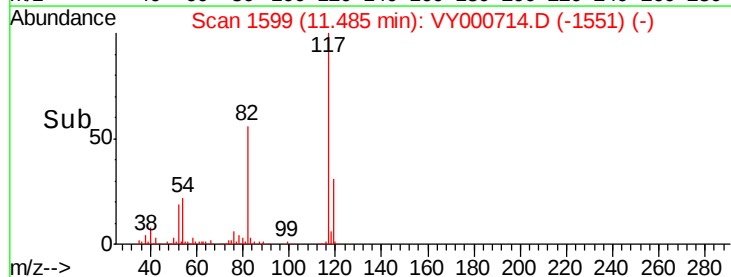
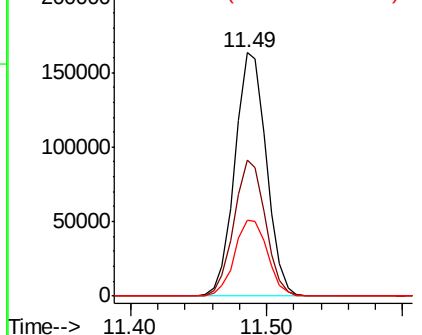


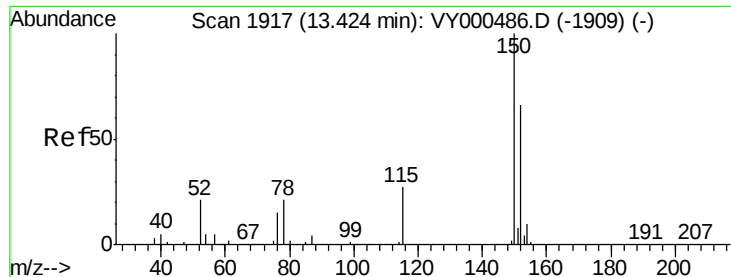
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000714.D
Acq: 15 Nov 2019 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	40.8	61.2
119	31.3	26.2	39.2



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



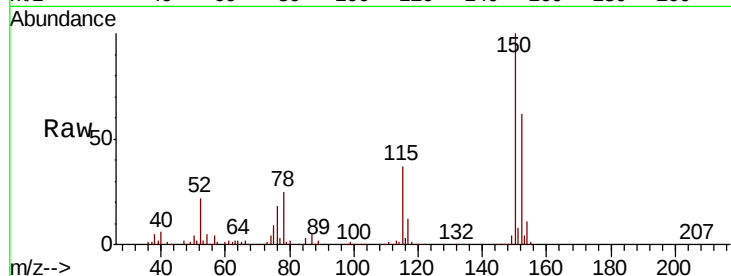


#72

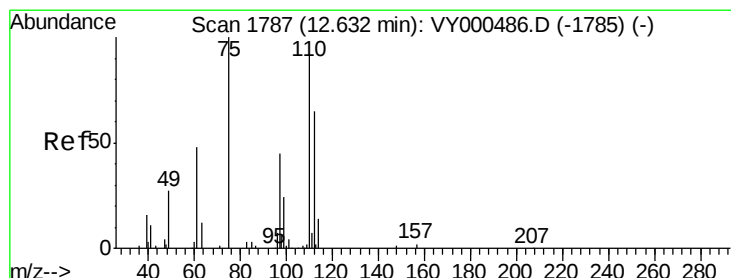
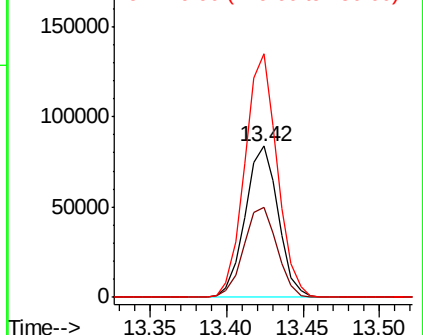
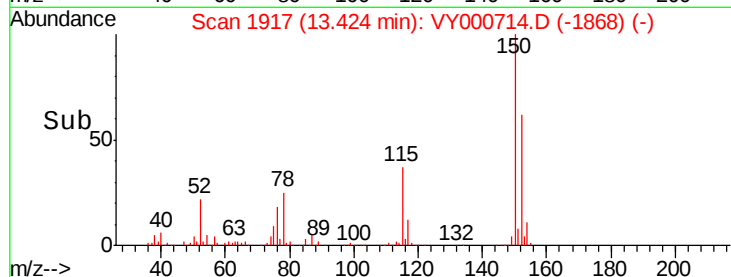
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000714.D
Acq: 15 Nov 2019 20:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 125360
Ion Ratio Lower Upper
152 100
115 60.3 29.1 87.4
150 157.8 0.0 348.8



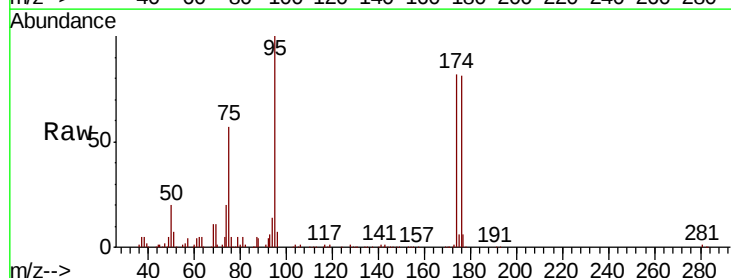
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



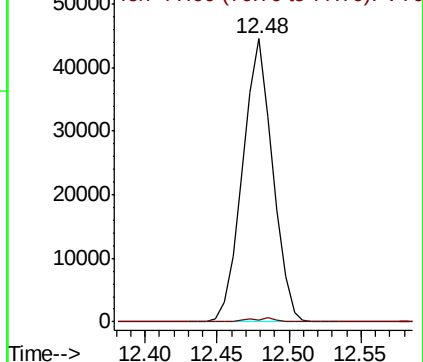
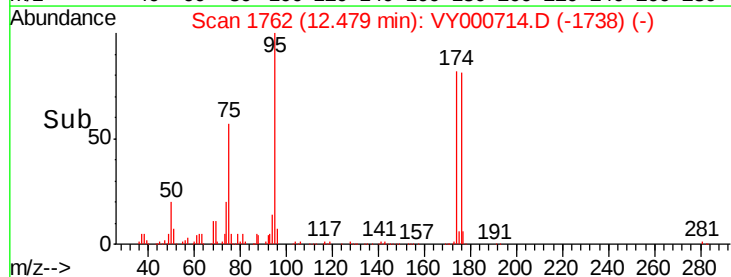
#76

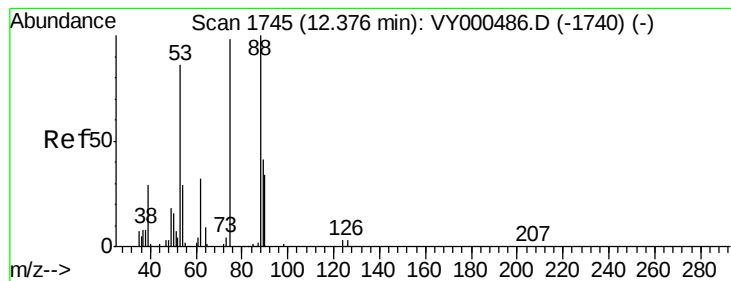
1,2,3-Trichloropropane
Concen: 45.028 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000714.D
Acq: 15 Nov 2019 20:02

Tgt Ion: 75 Resp: 64273
Ion Ratio Lower Upper
75 100
77 1.1 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: 100.959 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000714.D

Acq: 15 Nov 2019 20:02

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 64273

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#

