

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000585.D
 Acq On : 07 Nov 2019 16:56
 Operator : SY/MD
 Sample : K5723-16
 Misc : 6.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:48:25 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	239898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	432966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	388587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	145165	58.47	ug/l	0.00
Spiked Amount			Recovery	=	116.94%	
35) Dibromofluoromethane	7.73	113	130674	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.18	98	509436	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.48	95	171795	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

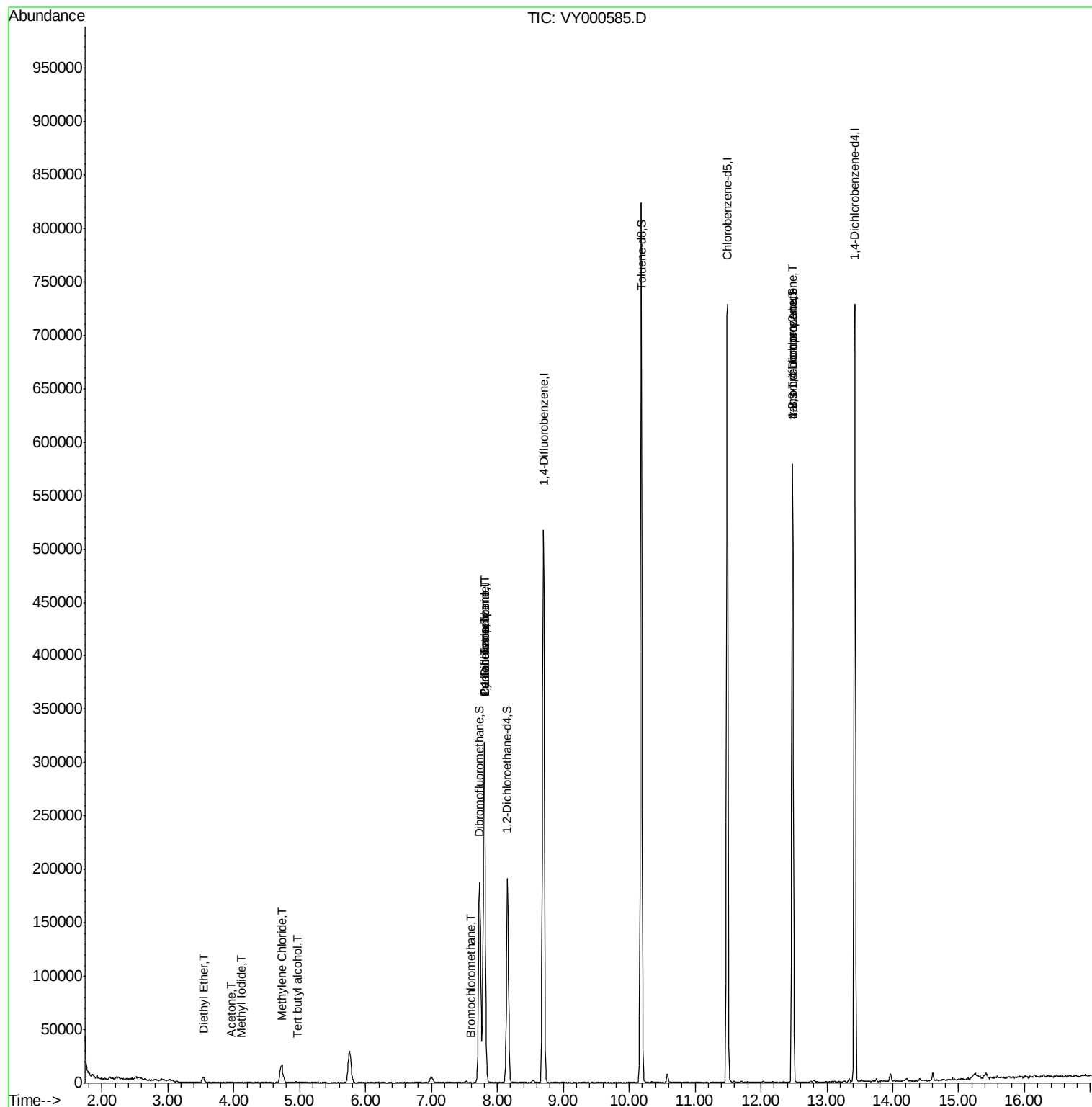
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2635	1.818	ug/l	90
10) Methyl Iodide	4.11	142	217	3.262	ug/l #	53
11) Tert butyl alcohol	4.96	59	1247	5.160	ug/l	95
16) Acetone	3.96	43	752	1.099	ug/l #	42
20) Methylene Chloride	4.73	84	12496	4.262	ug/l	93
28) Bromochloromethane	7.61	49	29	4.105	ug/l #	14
31) Cyclohexane	7.80	56	5826	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21294	5.202	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24933	6.331	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	94635	48.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	94635	108.096	ug/l #	13

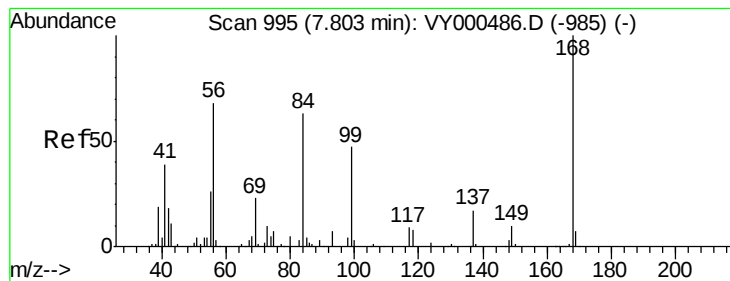
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :

MSVOA_Y

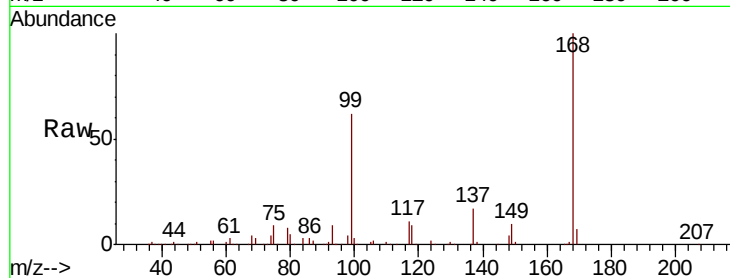
ClientSampleId :

Tot Ion:168 Resp: 239898

Ion Ratio Lower Upper

168 100

99 61.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

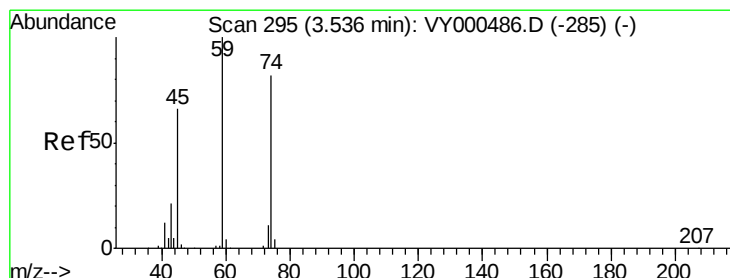
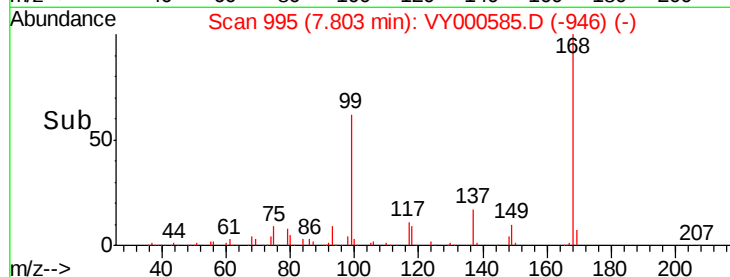
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.818 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000585.D

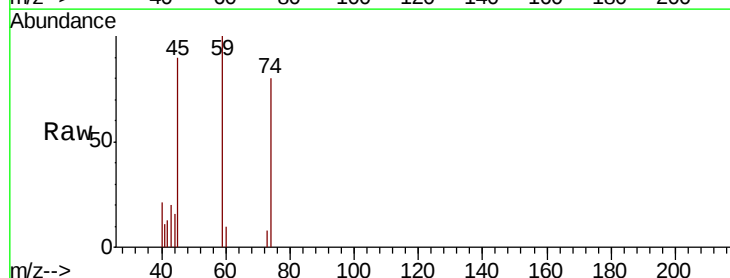
Acq: 07 Nov 2019 16:56

Tgt Ion: 74 Resp: 2635

Ion Ratio Lower Upper

74 100

45 100.0 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

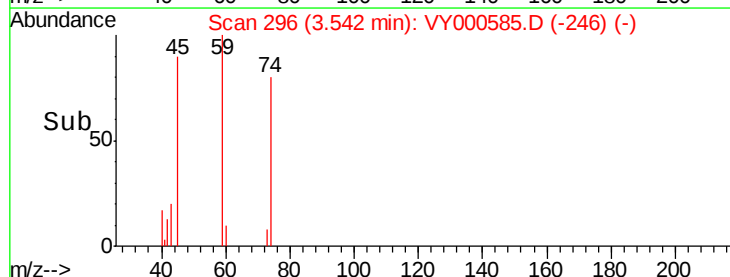
1500

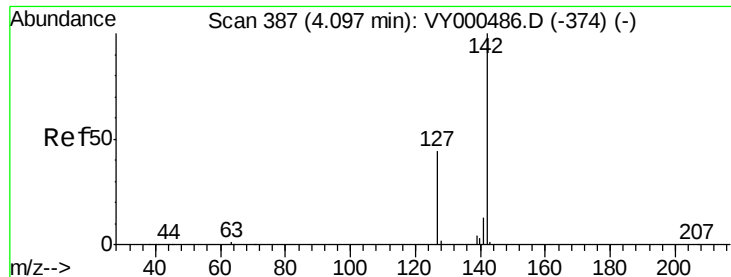
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.262 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

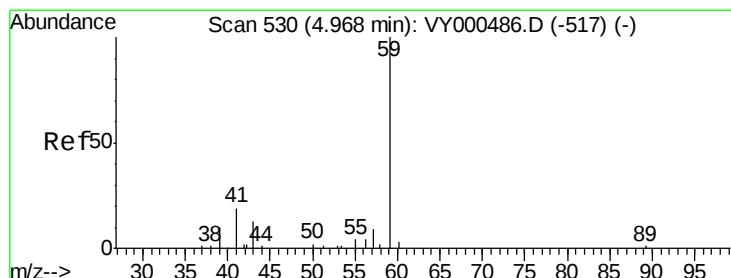
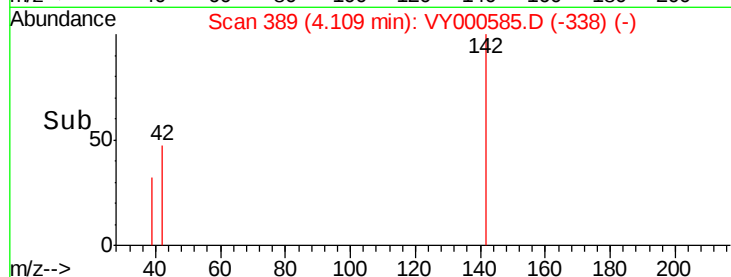
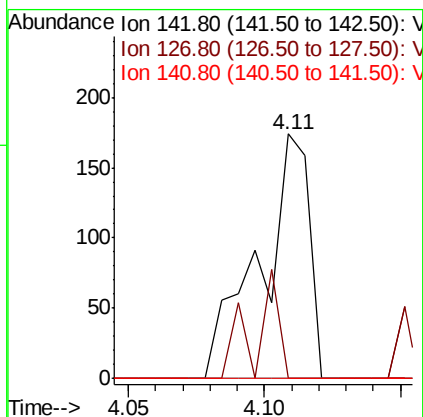
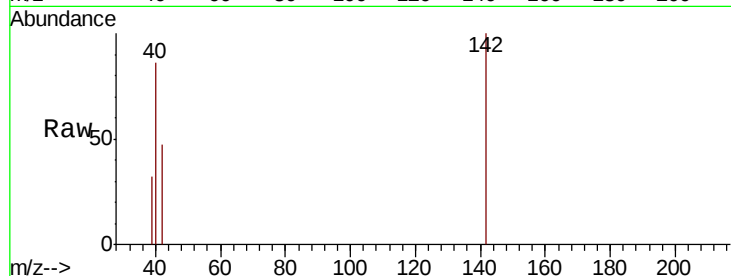
Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 217

Ion	Ratio	Lower	Upper
142	100		
127	9.2	33.7	50.5#
141	0.0	10.9	16.3#



#11

Tert butyl alcohol

Concen: 5.160 ug/l

RT: 4.96 min Scan# 528

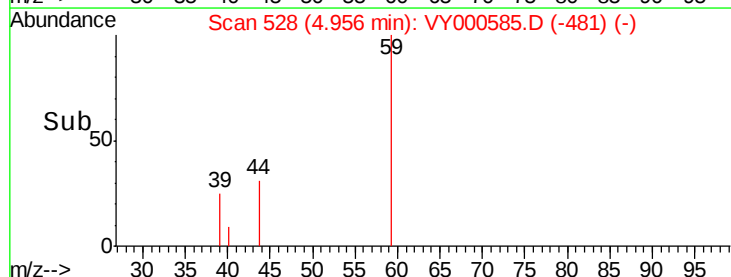
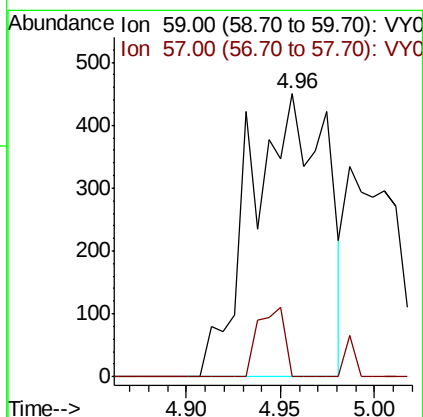
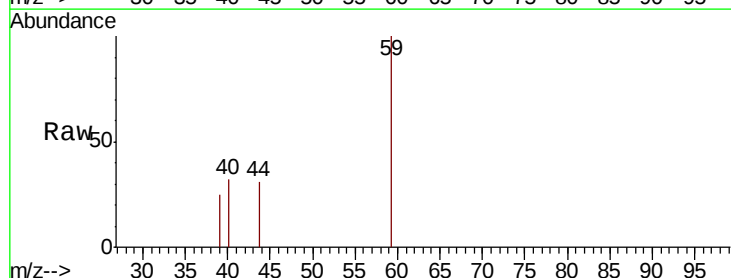
Delta R.T. -0.01 min

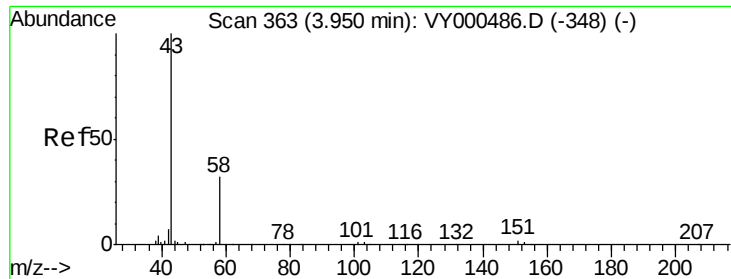
Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Tgt Ion: 59 Resp: 1247

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.6	12.8





#16

Acetone

Concen: 1.099 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :

MSVOA_Y

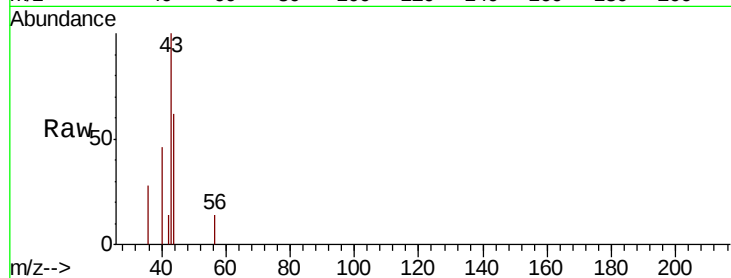
ClientSampleId :

Tot Ion: 43 Resp: 752

Ion Ratio Lower Upper

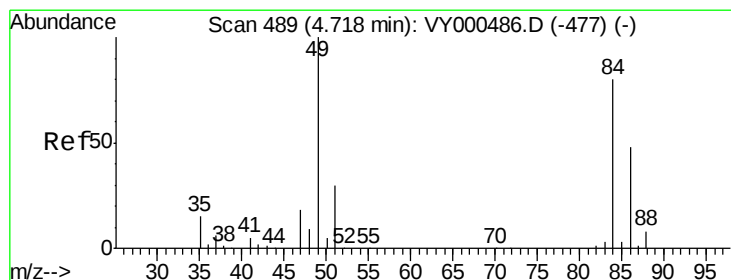
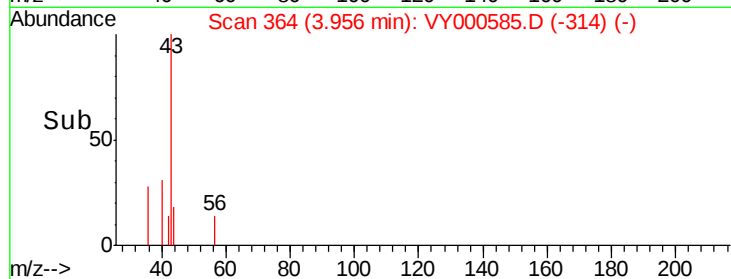
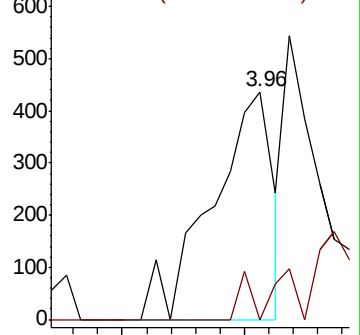
43 100

58 0.0 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: 4.262 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Tgt Ion: 84 Resp: 12496

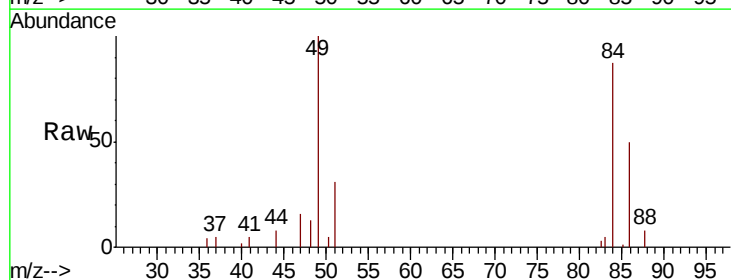
Ion Ratio Lower Upper

84 100

49 114.8 100.2 150.4

51 35.6 29.6 44.4

86 57.1 48.3 72.5

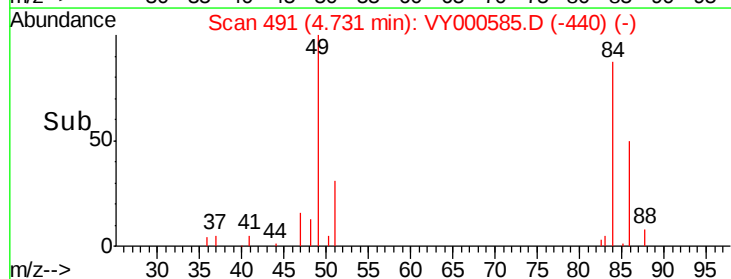
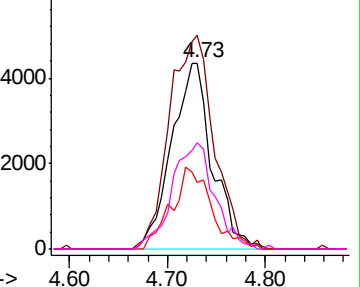


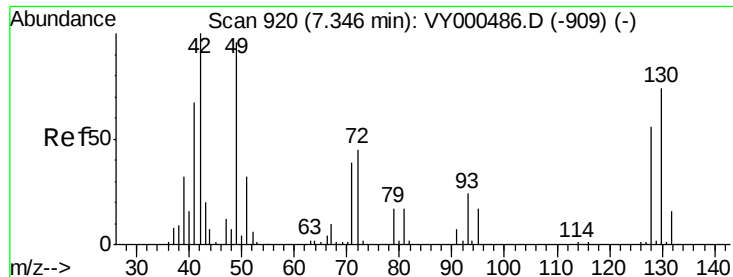
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 4.105 ug/l

RT: 7.61 min Scan# 963

Delta R.T. 0.26 min

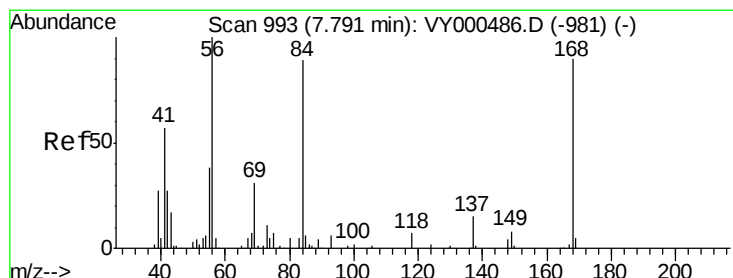
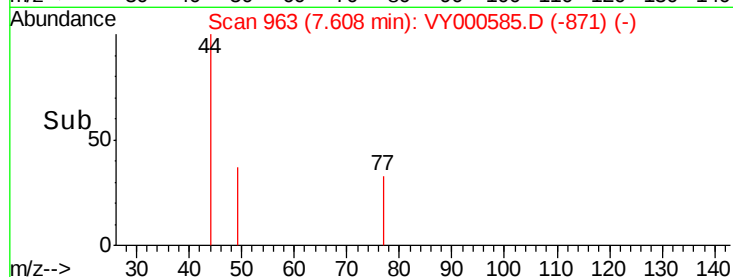
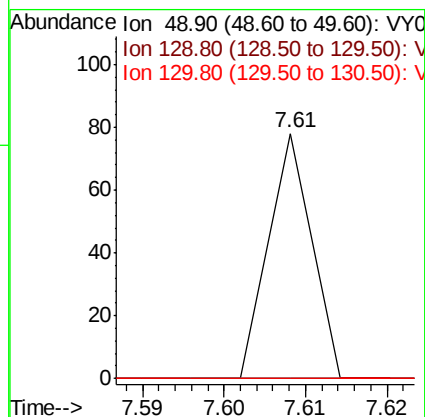
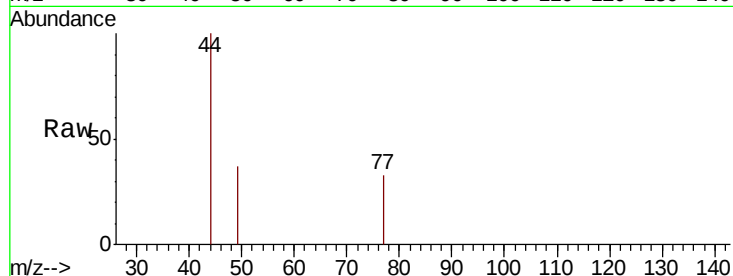
Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 29

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.80 min Scan# 994

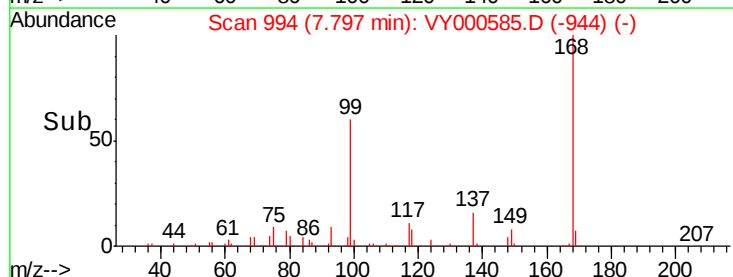
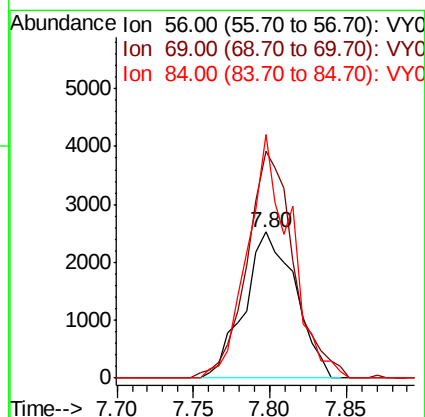
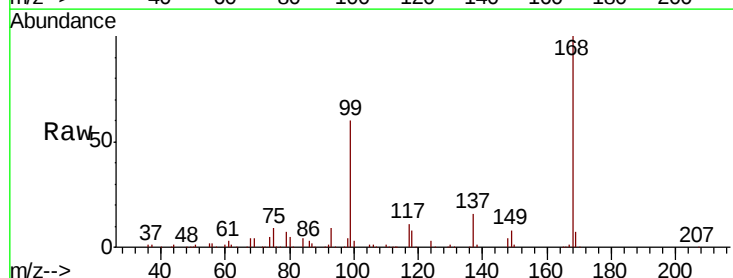
Delta R.T. 0.01 min

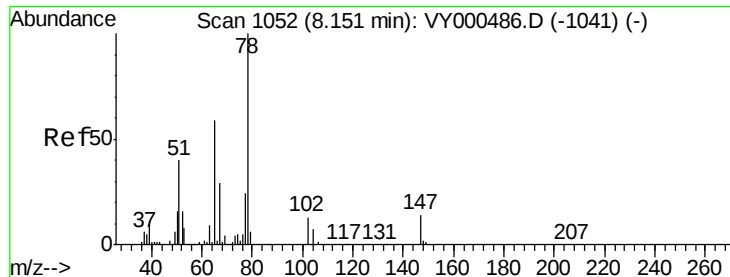
Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Tgt Ion: 56 Resp: 5826

Ion	Ratio	Lower	Upper
56	100		
69	155.8	25.0	37.6#
84	167.0	71.4	107.2#

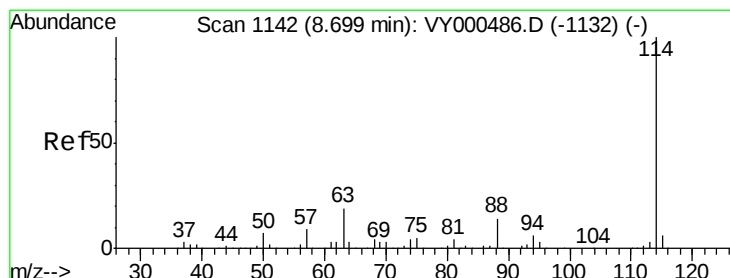
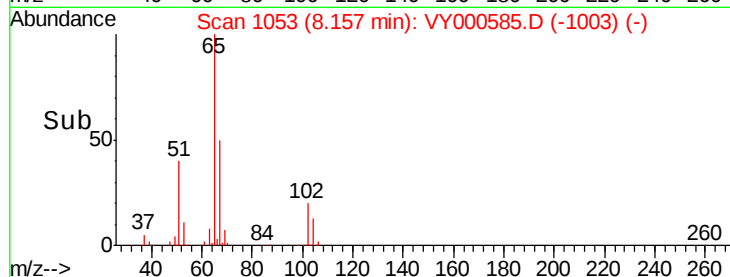
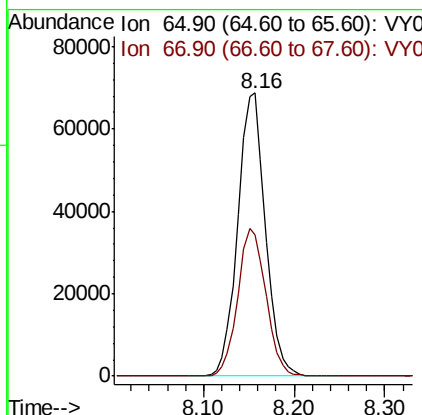
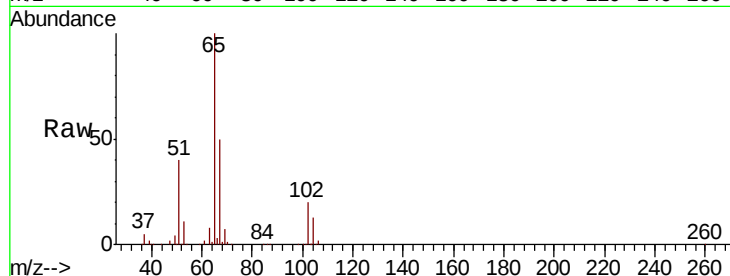




#33
 1,2-Dichloroethane-d4
 Concen: 58.472 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000585.D
 Acq: 07 Nov 2019 16:56

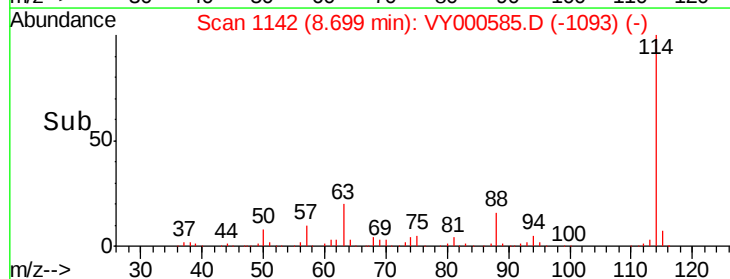
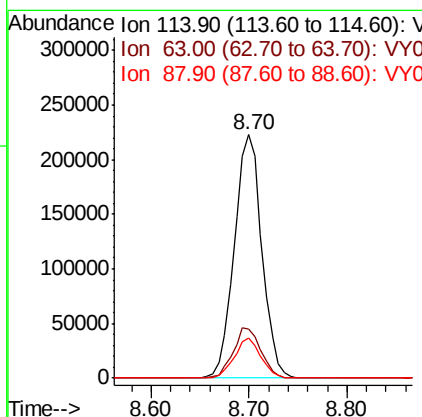
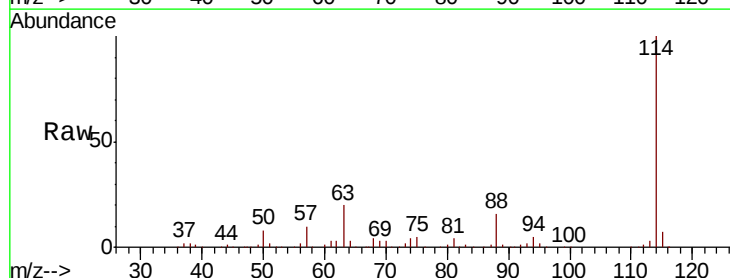
Instrument :
 MSVOA_Y
 ClientSampleId :

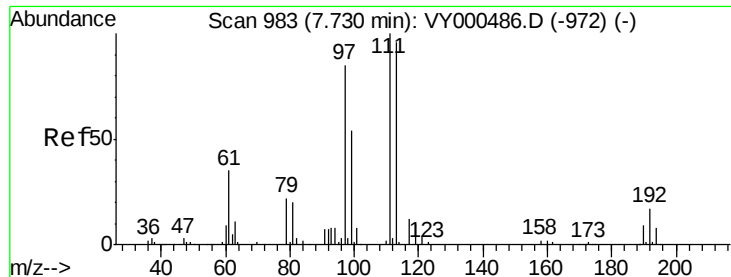
Tot Ion: 65 Resp: 145165
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000585.D
 Acq: 07 Nov 2019 16:56

Tgt Ion: 114 Resp: 432966
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.0
 88 16.3 0.0 28.6

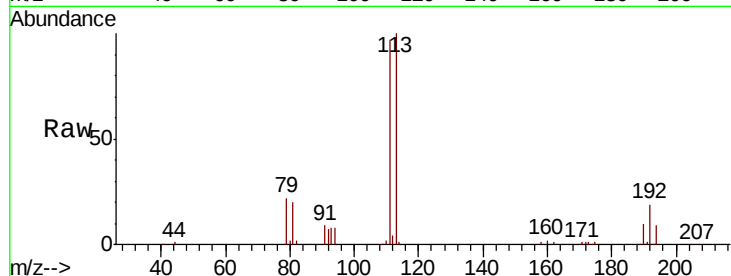




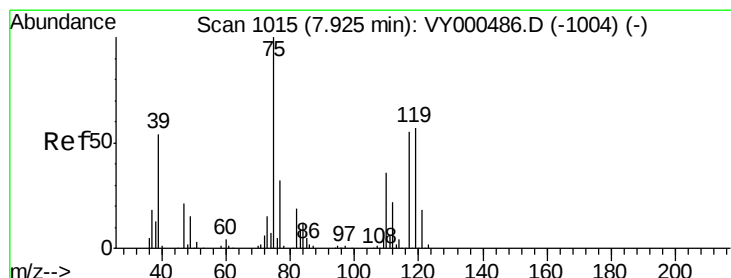
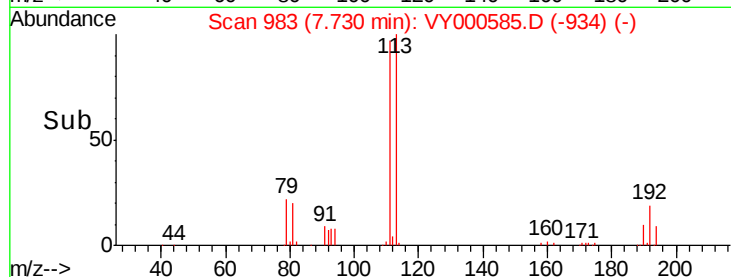
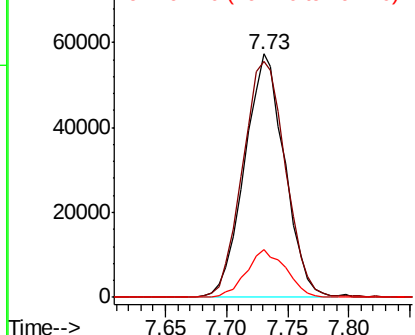
#35
 Dibromofluoromethane
 Concen: 51.410 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000585.D
 Acq: 07 Nov 2019 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 130674
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 19.4 15.0 22.4

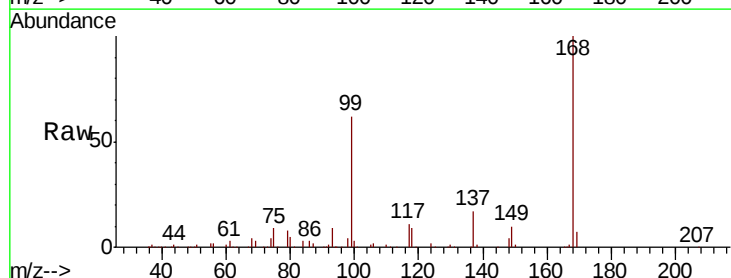


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

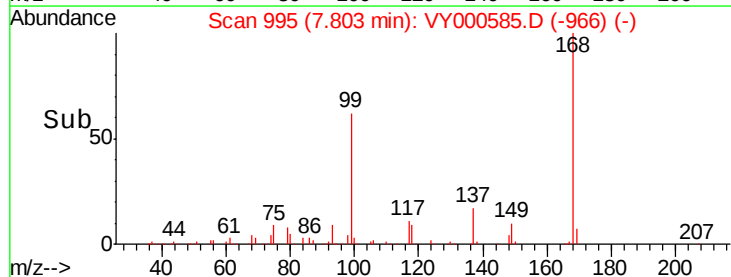
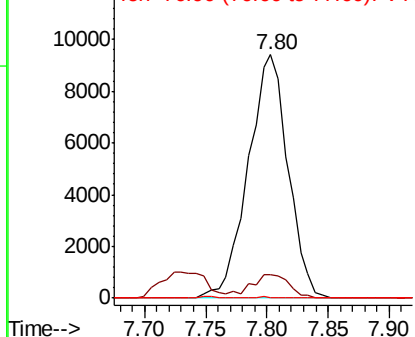


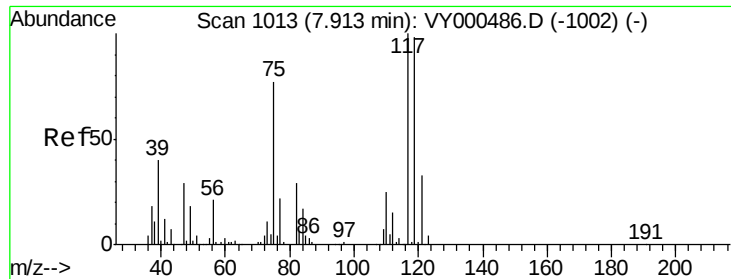
#36
 1,1-Dichloropropene
 Concen: 5.202 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000585.D
 Acq: 07 Nov 2019 16:56

Tgt Ion: 75 Resp: 21294
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.1#
 77 0.1 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: 6.331 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :

MSVOA_Y

ClientSampleId :

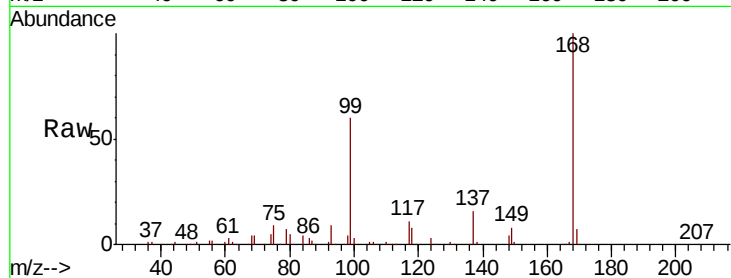
Tot Ion:117 Resp: 24933

Ion Ratio Lower Upper

117 100

119 2.4 78.0 117.0#

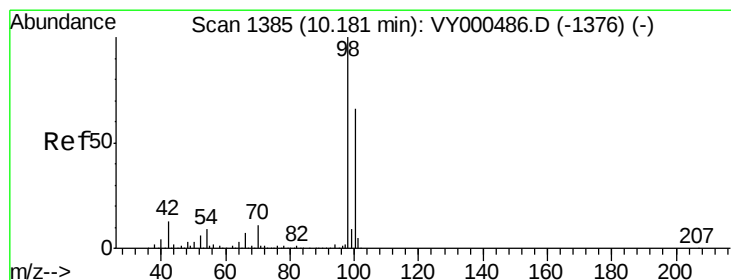
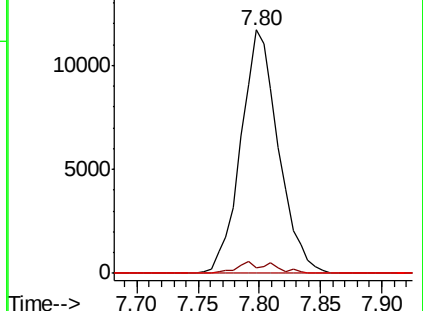
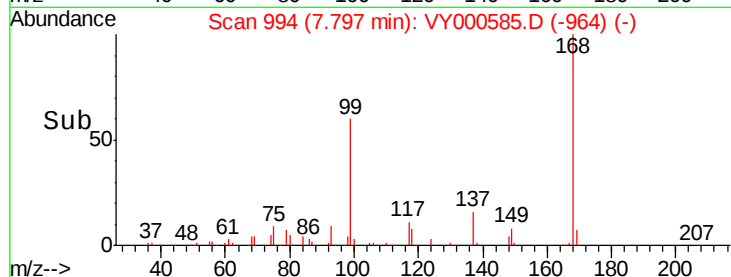
121 0.0 26.6 40.0#



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: 52.820 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000585.D

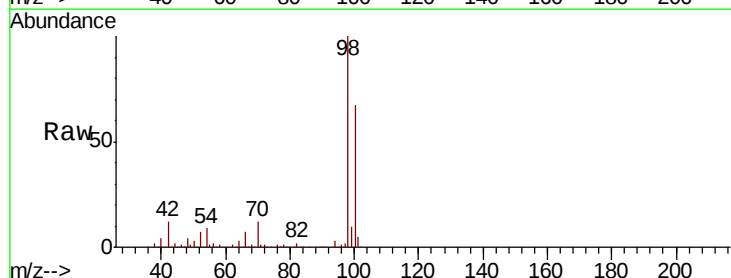
Acq: 07 Nov 2019 16:56

Tgt Ion: 98 Resp: 509436

Ion Ratio Lower Upper

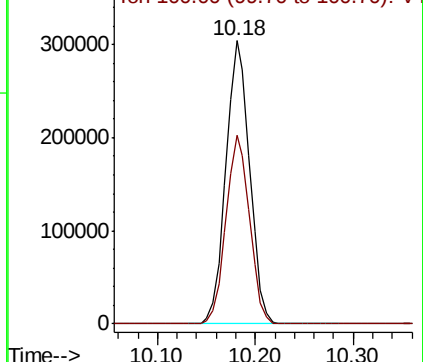
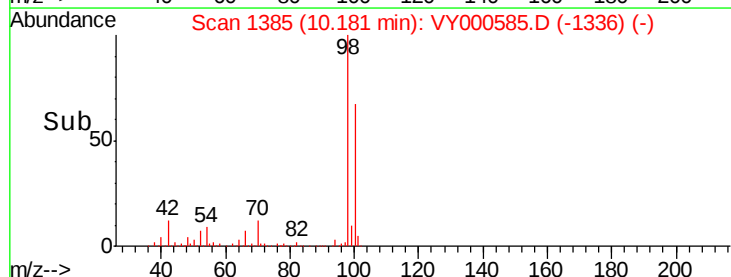
98 100

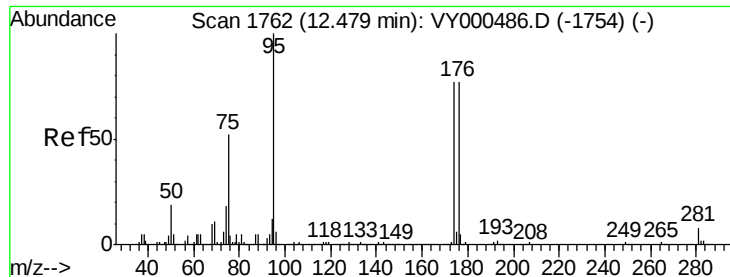
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

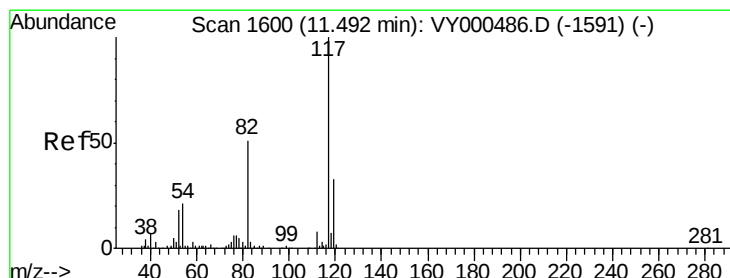
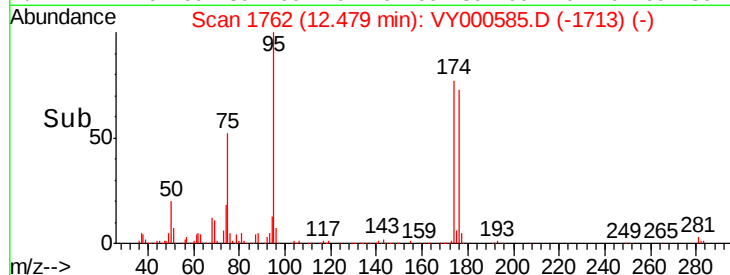
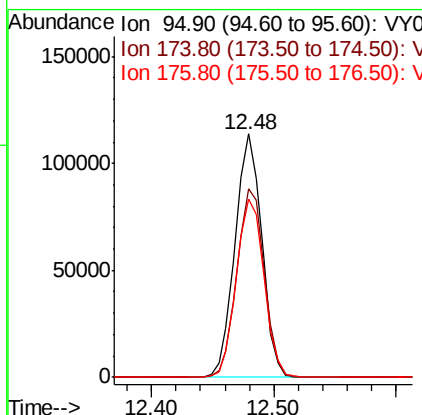
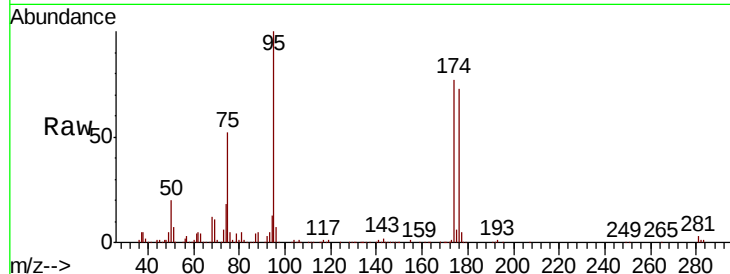




#62
4-Bromofluorobenzene
Concen: 46.789 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000585.D
Acq: 07 Nov 2019 16:56

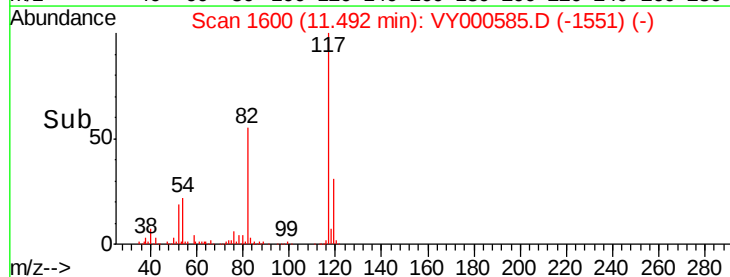
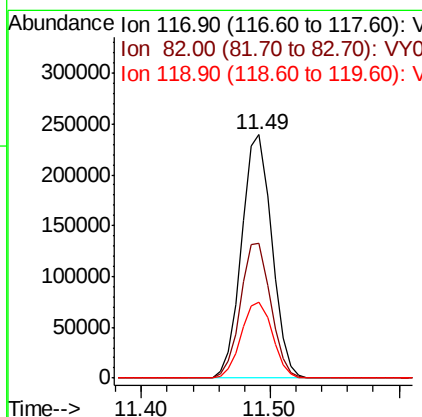
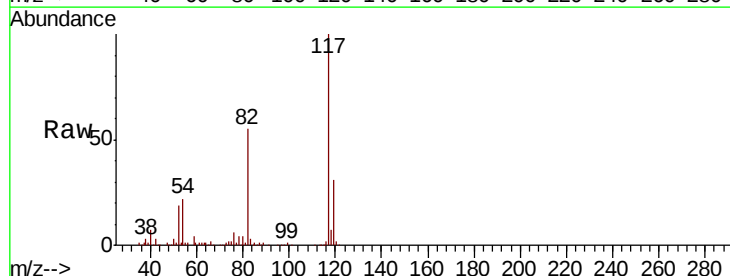
Instrument :
MSVOA_Y
ClientSampleId :

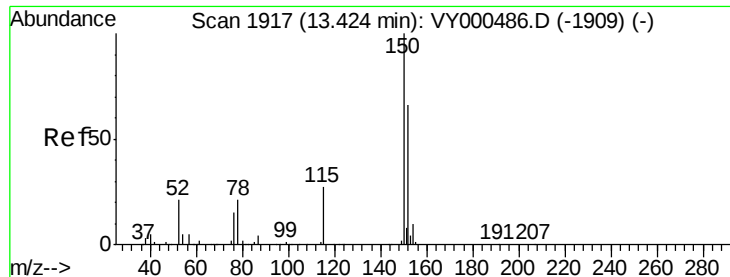
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	161.6
176	75.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000585.D
Acq: 07 Nov 2019 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	40.8	61.2
119	31.3	26.2	39.2



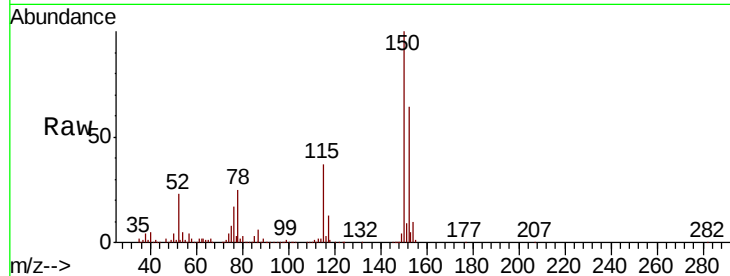


#72

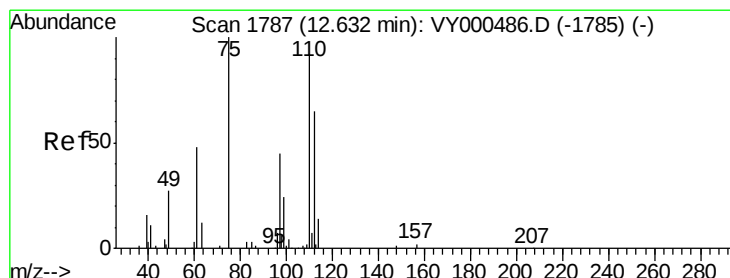
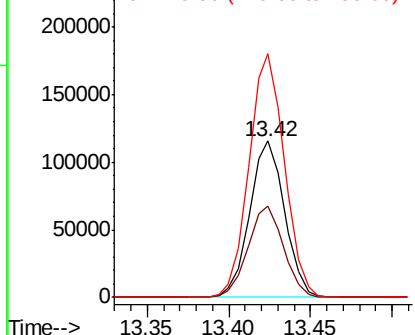
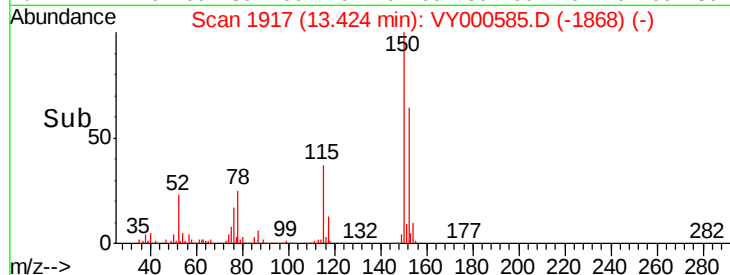
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000585.D
Acq: 07 Nov 2019 16:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.1	87.4
150	157.4	0.0	348.8



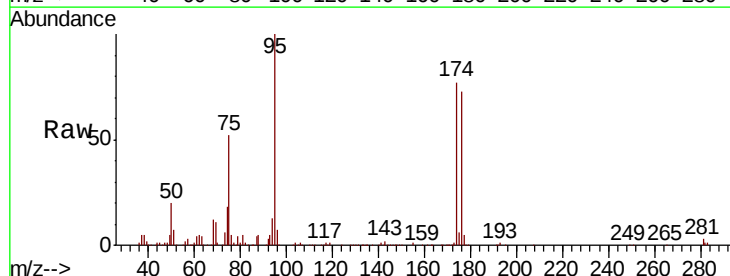
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



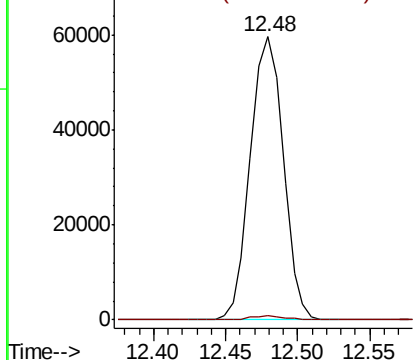
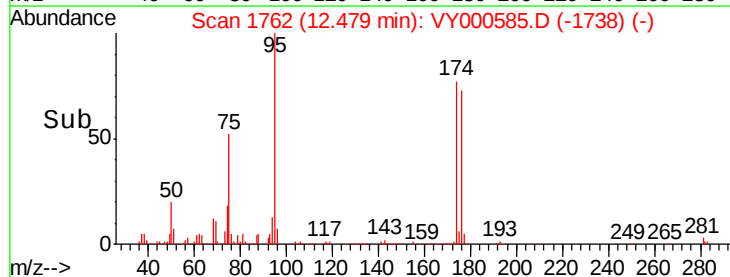
#76

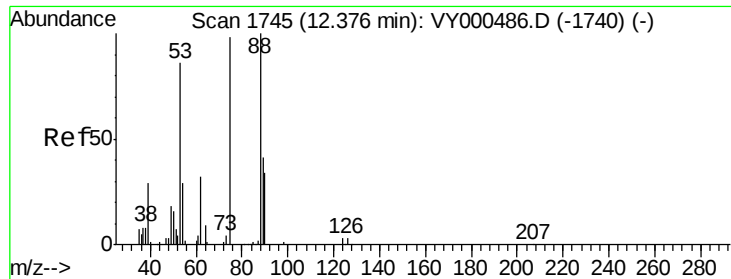
1,2,3-Trichloropropane
Concen: 48.211 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000585.D
Acq: 07 Nov 2019 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 108.096 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000585.D

Acq: 07 Nov 2019 16:56

Instrument :

MSVOA_Y

ClientSampleId :

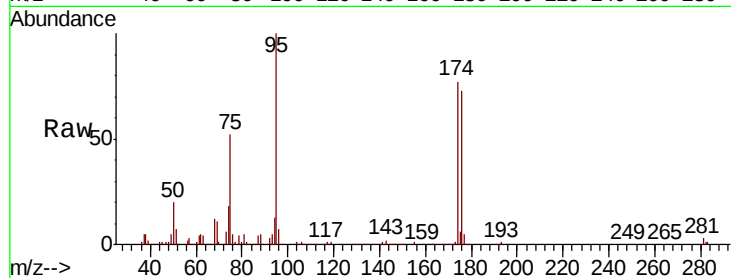
Tot Ion: 75 Resp: 94635

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 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

