

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000564.D
 Acq On : 06 Nov 2019 19:58
 Operator : SY/MD
 Sample : K5723-05
 Misc : 7.49G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-B

Quant Time: Nov 07 04:59:27 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	218011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	398841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	346853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	144333	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	140112	62.10	ug/l	0.00
Spiked Amount			Recovery	=	124.20%	
35) Dibromofluoromethane	7.73	113	119938	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	10.18	98	473890	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.48	95	150540	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

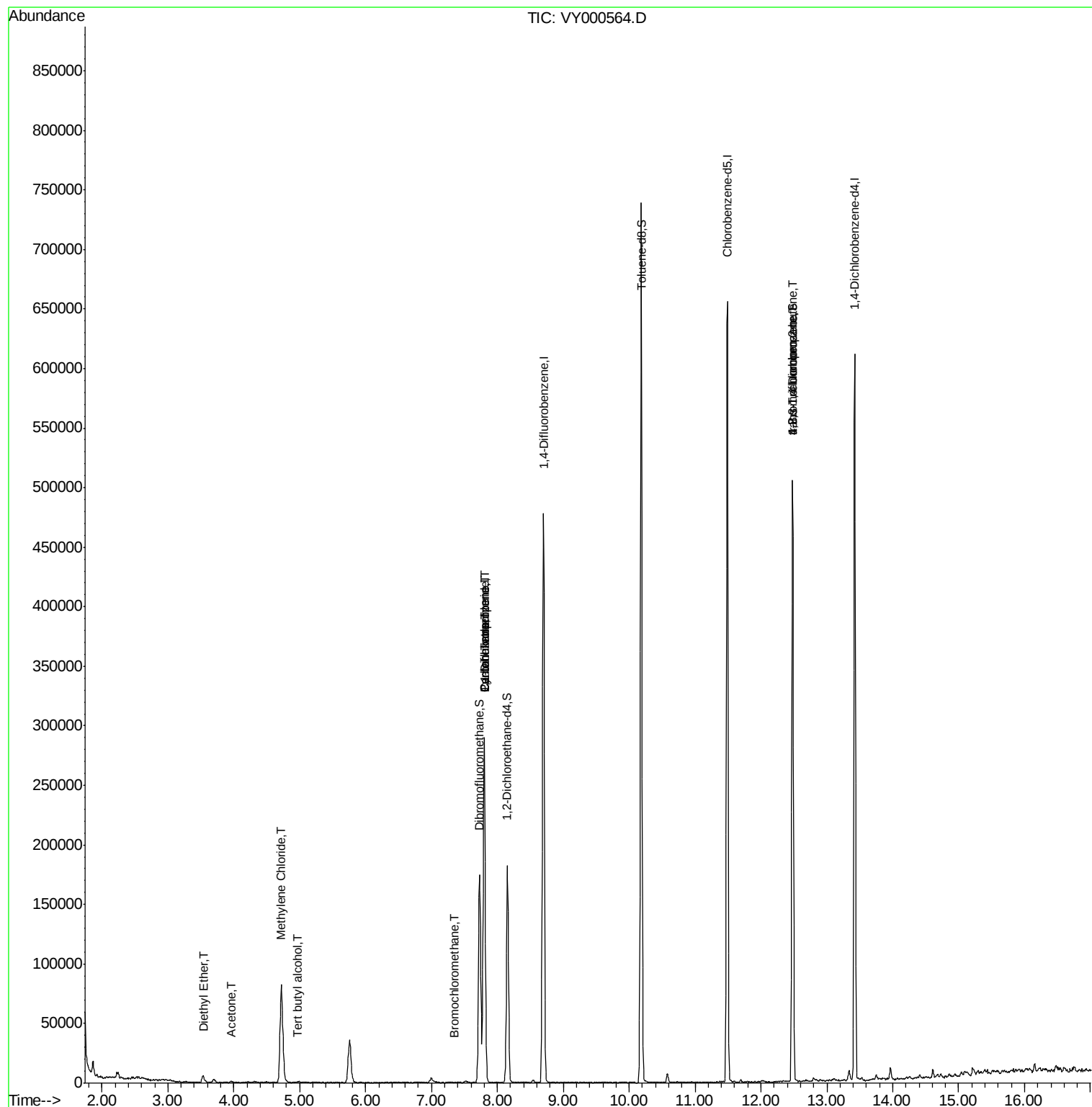
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	3689	2.800	ug/l	88
11) Tert butyl alcohol	4.97	59	1136	5.173	ug/l #	72
16) Acetone	3.96	43	1900	3.056	ug/l #	82
20) Methylene Chloride	4.72	84	56645	21.260	ug/l	97
28) Bromochloromethane	7.35	49	25	4.105	ug/l #	14
31) Cyclohexane	7.80	56	5802	1.329	ug/l #	39
36) 1,1-Dichloropropene	7.80	75	17372	4.607	ug/l #	50
38) Carbon Tetrachloride	7.80	117	22117	6.096	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	82053	49.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	82053	111.945	ug/l #	13

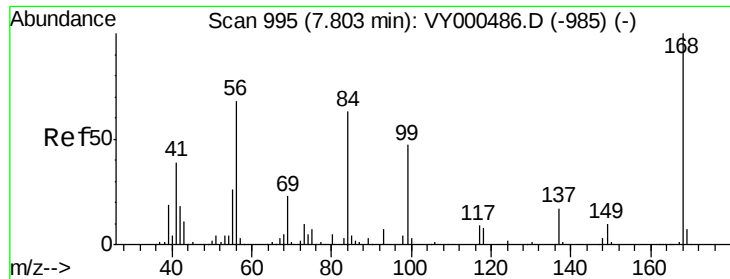
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 04:59:27 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# 995

Delta R.T. -0.00 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampled :

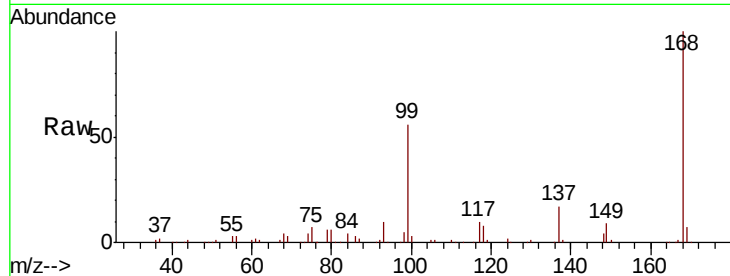
8-B

Tot Ion:168 Resp: 218011

Ion Ratio Lower Upper

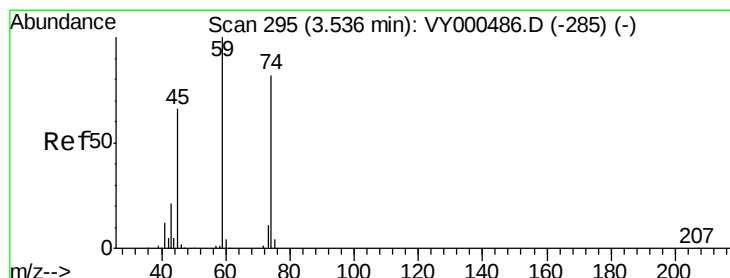
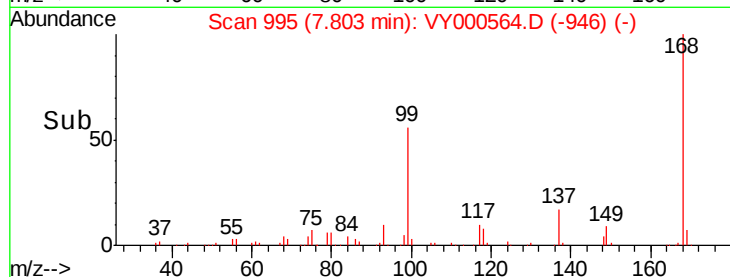
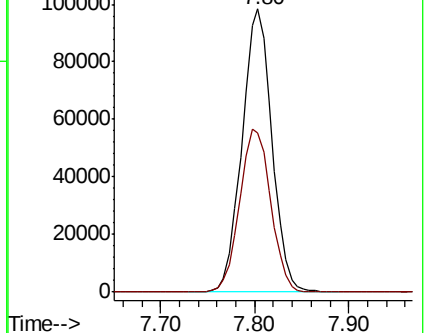
168 100

99 56.3 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) (-)



#8

Diethyl Ether

Concen: 2.800 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000564.D

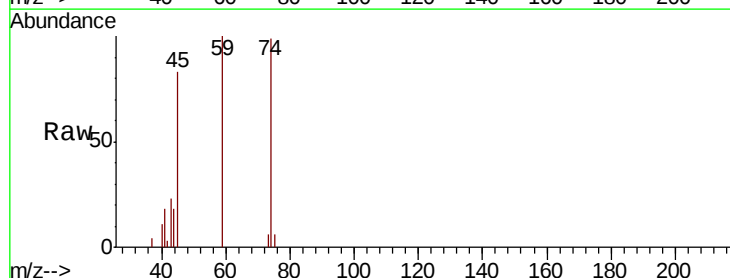
Acq: 06 Nov 2019 19:58

Tgt Ion: 74 Resp: 3689

Ion Ratio Lower Upper

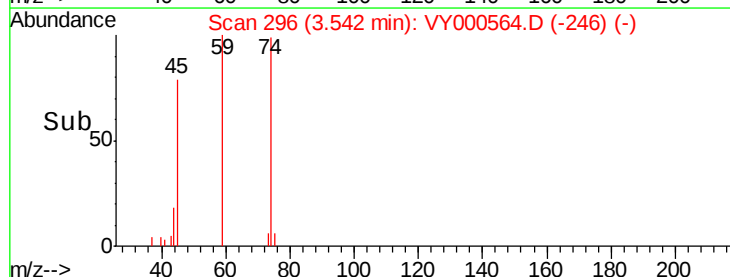
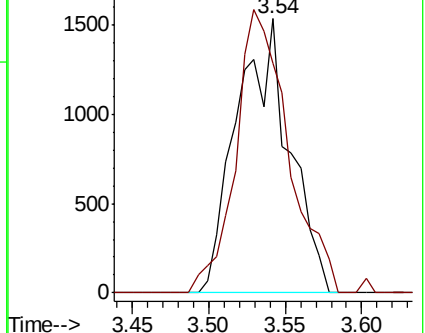
74 100

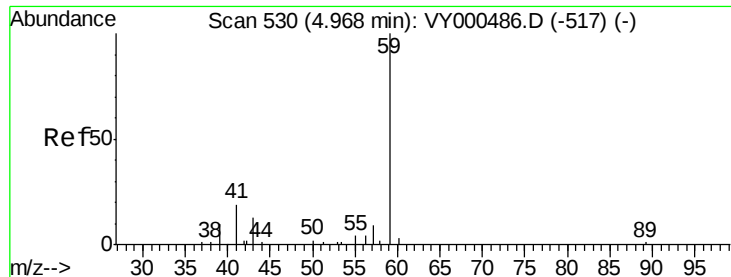
45 102.7 45.5 136.4



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

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



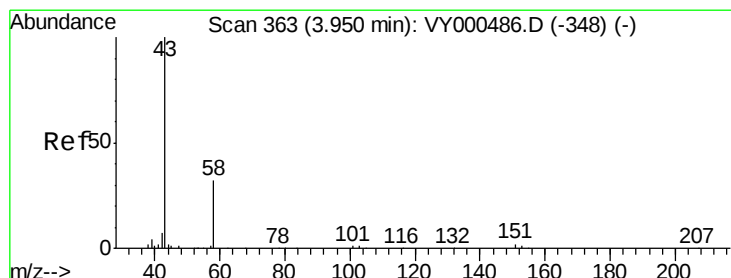
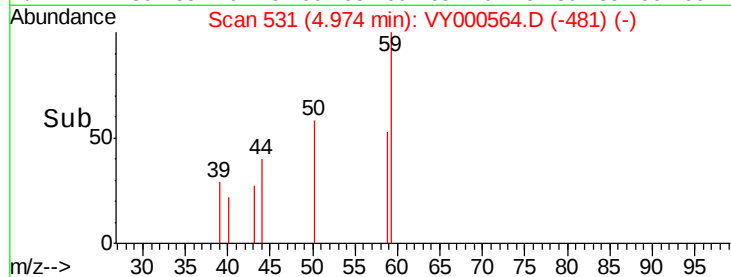
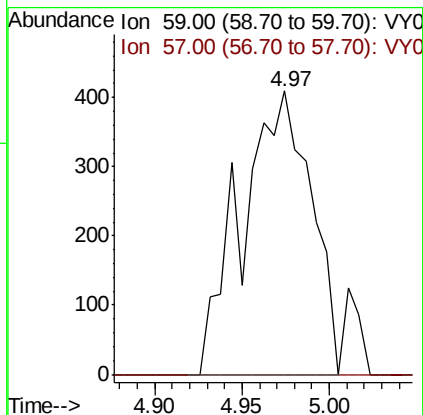
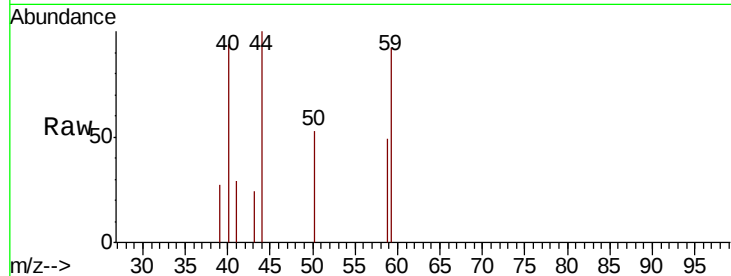


#11

Tert butyl alcohol
 Concen: 5.173 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000564.D
 Acq: 06 Nov 2019 19:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-B

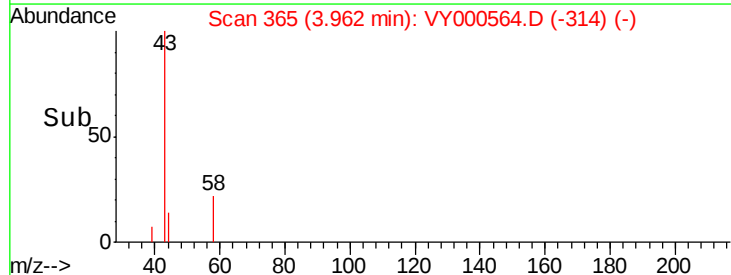
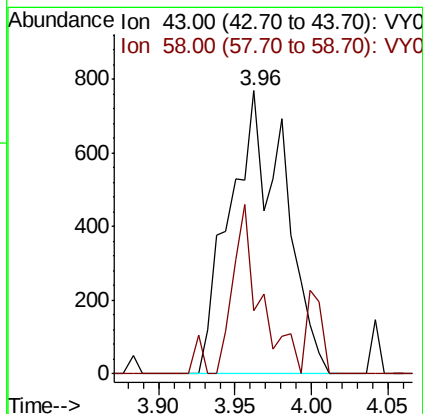
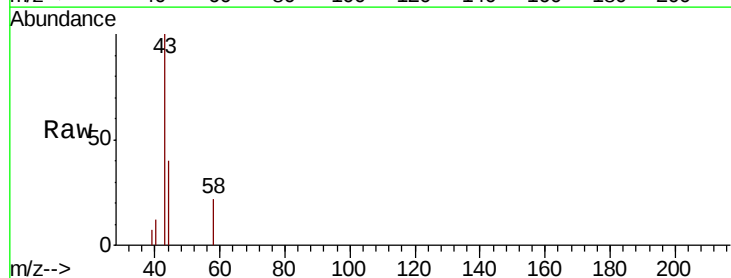
Tot Ion: 59 Resp: 1136
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

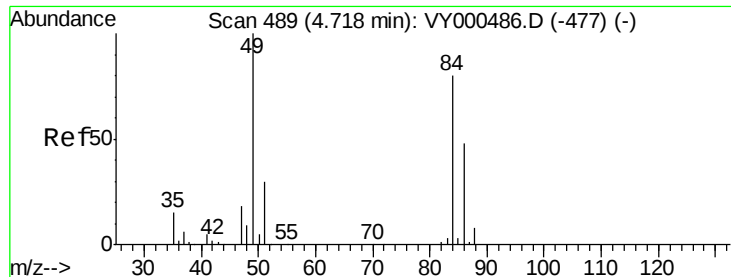


#16

Acetone
 Concen: 3.056 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000564.D
 Acq: 06 Nov 2019 19:58

Tgt Ion: 43 Resp: 1900
 Ion Ratio Lower Upper
 43 100
 58 22.4 25.8 38.6#

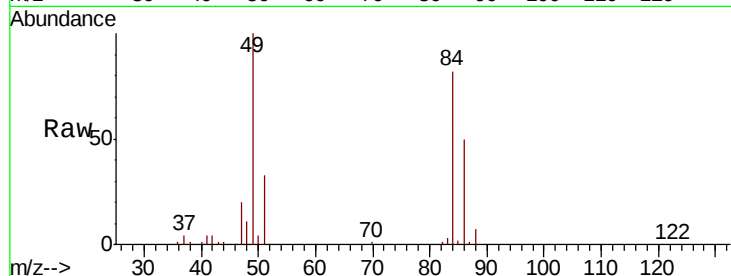




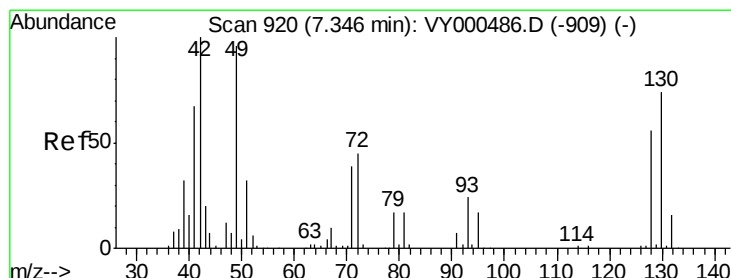
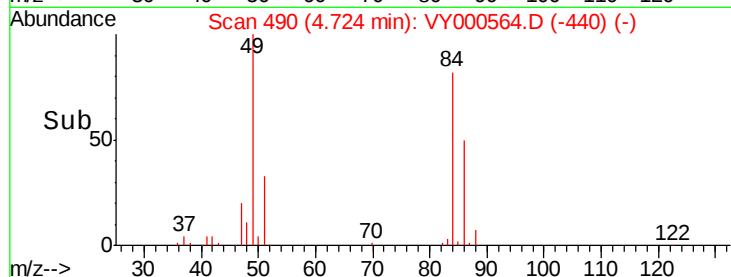
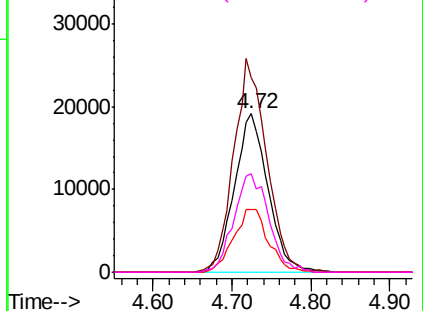
#20
Methvlene Chloride
Concen: 21.260 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000564.D
Acq: 06 Nov 2019 19:58

Instrument :
MSVOA_Y
ClientSampleId :
8-B

Tot Ion:	84	Resp:	56645
Ion	Ratio	Lower	Upper
84	100		
49	122.6	100.2	150.4
51	40.0	29.6	44.4
86	61.8	48.3	72.5

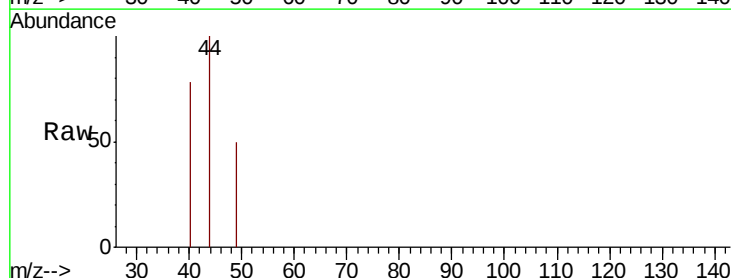


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

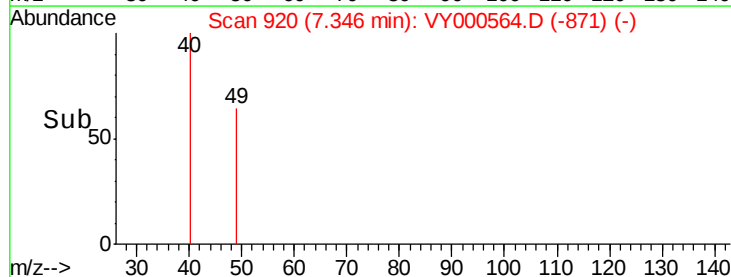
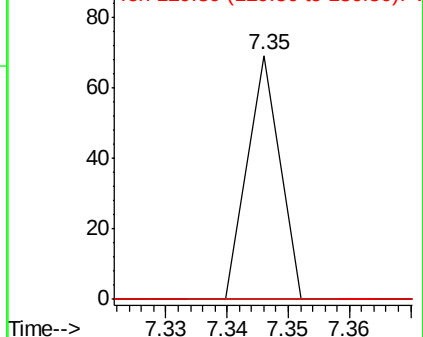


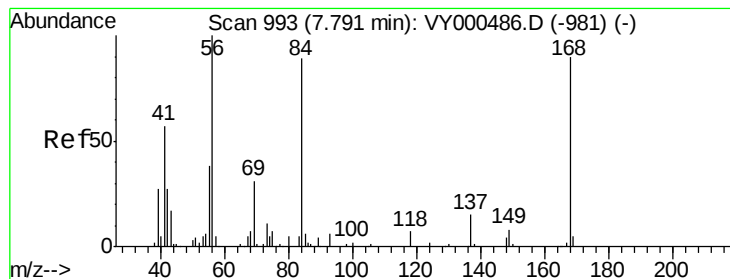
#28
Bromochloromethane
Concen: 4.105 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000564.D
Acq: 06 Nov 2019 19:58

Tgt Ion:	49	Resp:	25
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): V
Ion 129.80 (129.50 to 130.50): V





#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampleId :

8-B

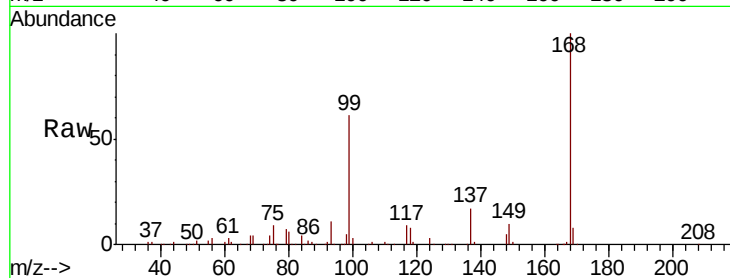
Tot Ion: 56 Resp: 5802

Ion Ratio Lower Upper

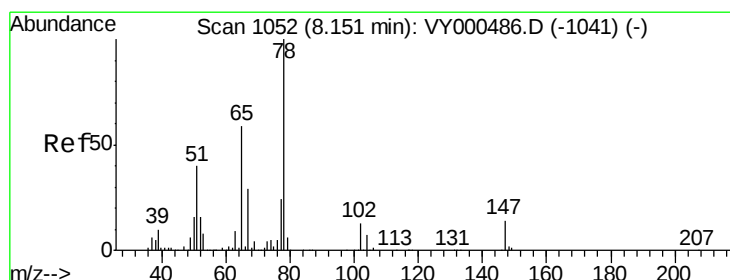
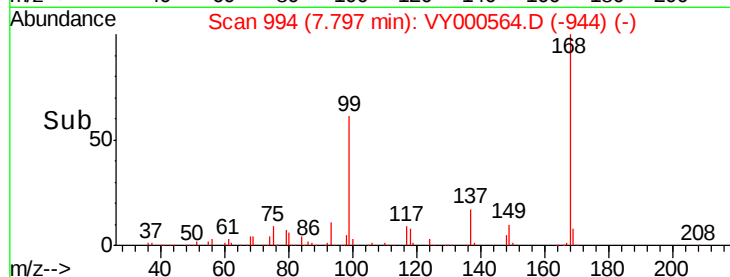
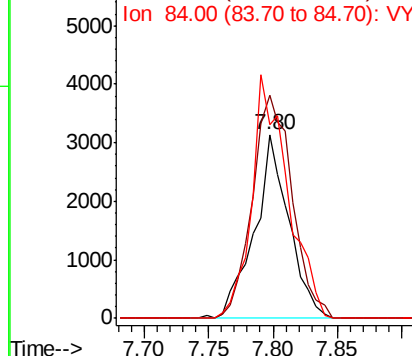
56 100

69 121.2 25.0 37.6#

84 113.4 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: 62.103 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000564.D

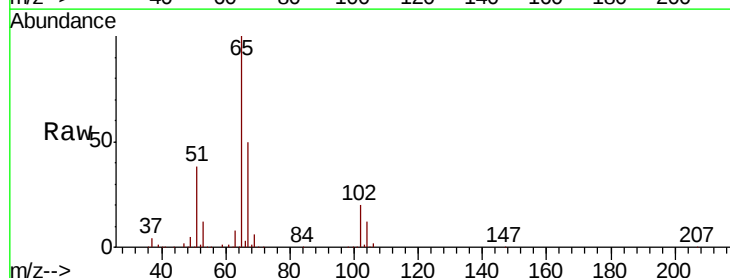
Acq: 06 Nov 2019 19:58

Tgt Ion: 65 Resp: 140112

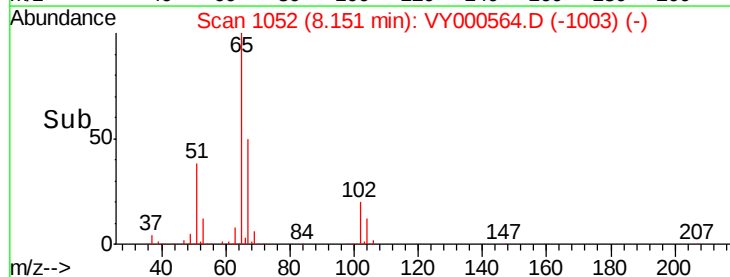
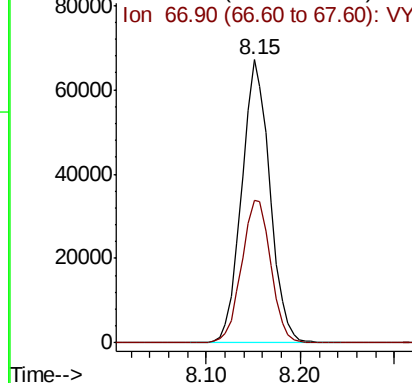
Ion Ratio Lower Upper

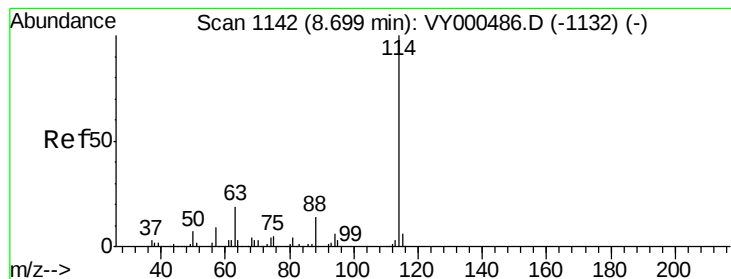
65 100

67 52.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampled :

8-B

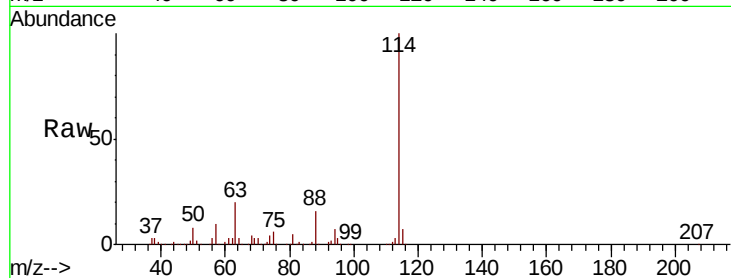
Tot Ion:114 Resp: 398841

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

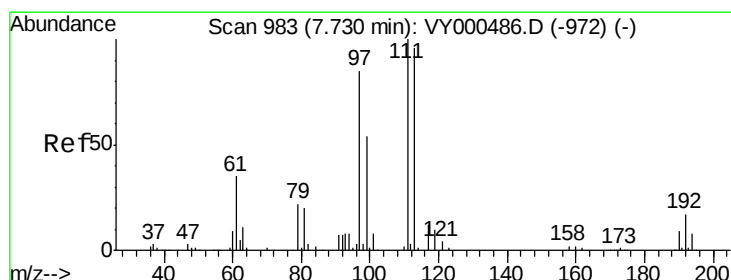
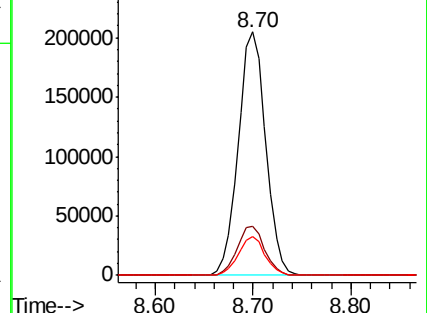
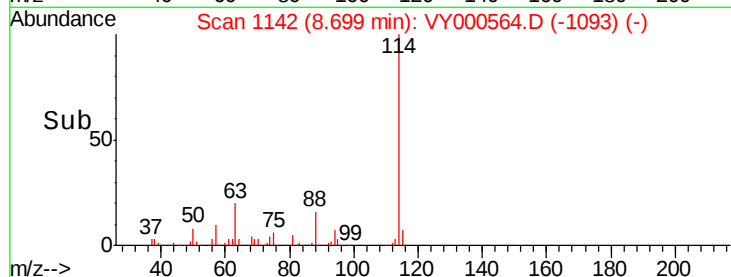
88 15.8 0.0 28.6



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



#35

Dibromofluoromethane

Concen: 51.224 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

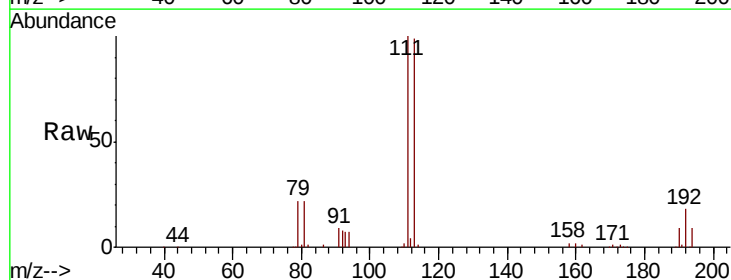
Tgt Ion:113 Resp: 119938

Ion Ratio Lower Upper

113 100

111 105.4 81.7 122.5

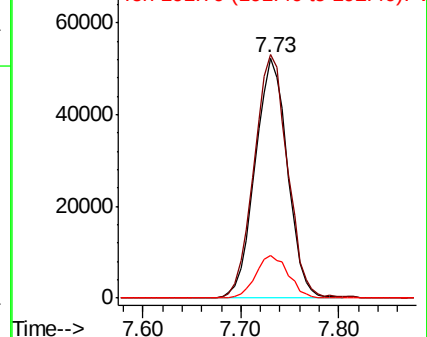
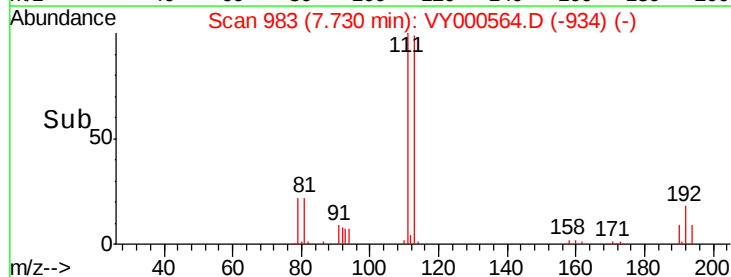
192 18.2 15.0 22.4

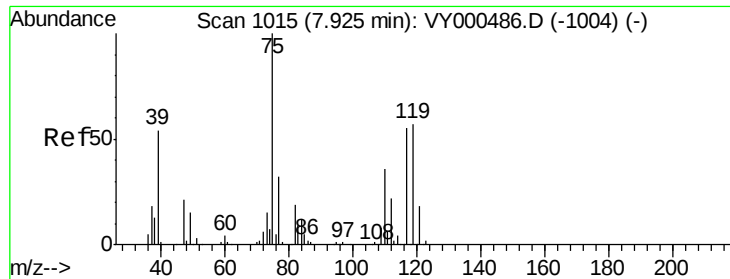


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampled :

8-B

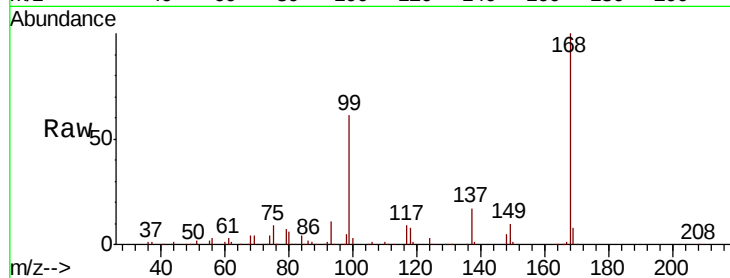
Tot Ion: 75 Resp: 17372

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

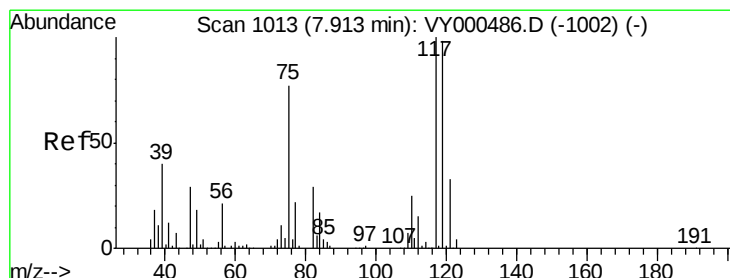
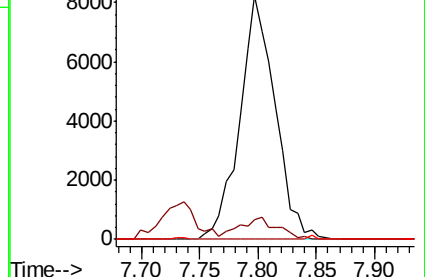
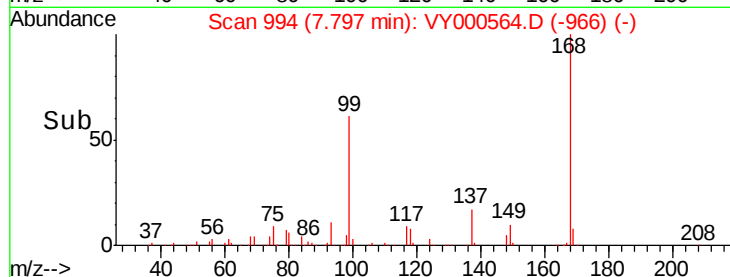
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000564.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY000564.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY000564.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

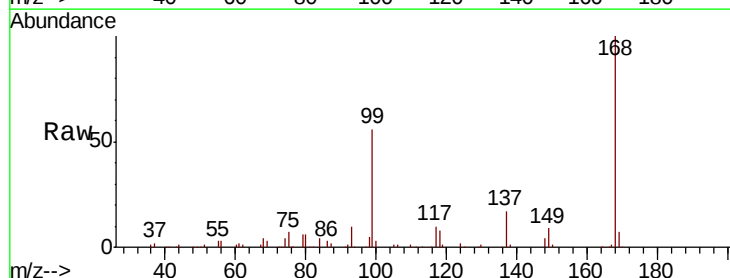
Tgt Ion: 117 Resp: 22117

Ion Ratio Lower Upper

117 100

119 6.3 78.0 117.0#

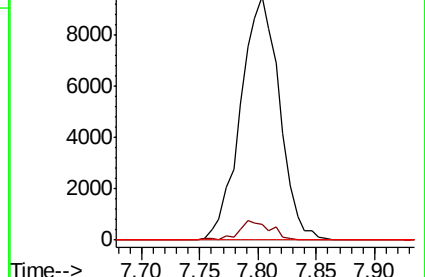
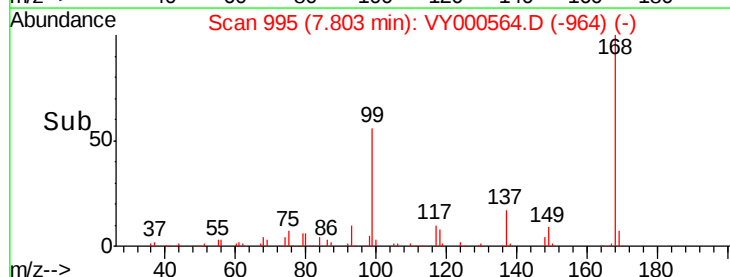
121 0.0 26.6 40.0#

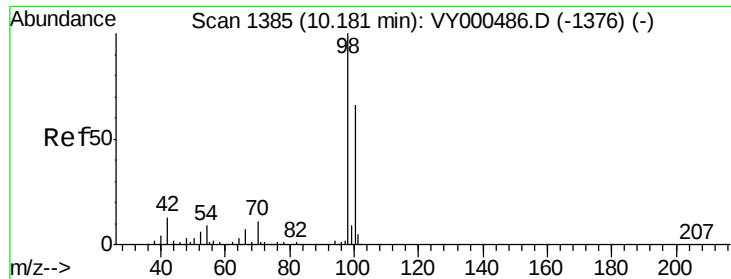


Abundance Ion 116.80 (116.50 to 117.50): VY000564.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000564.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000564.D (-964) (-)





#50

Toluene-d8

Concen: 53.339 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampleId :

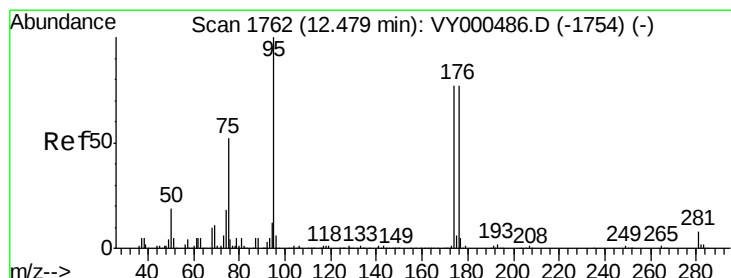
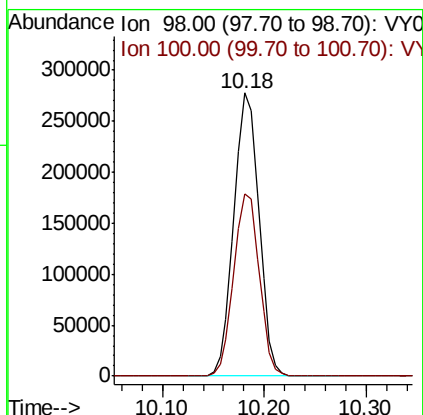
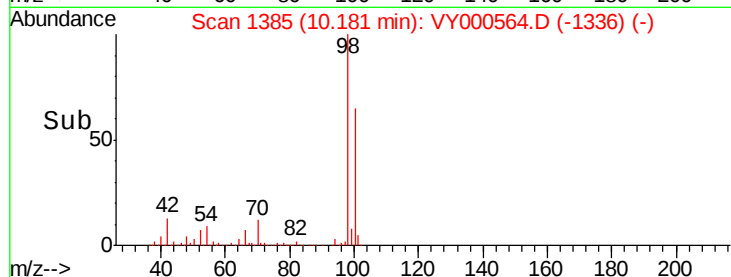
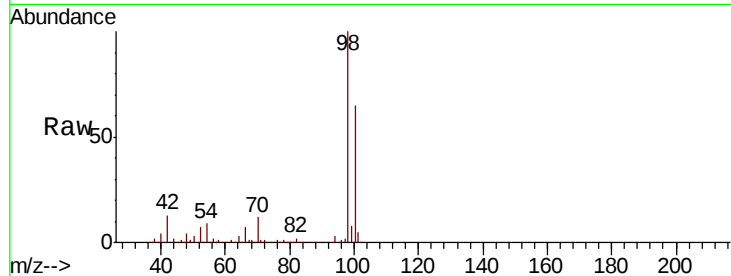
8-B

Tot Ion: 98 Resp: 473890

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 44.508 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

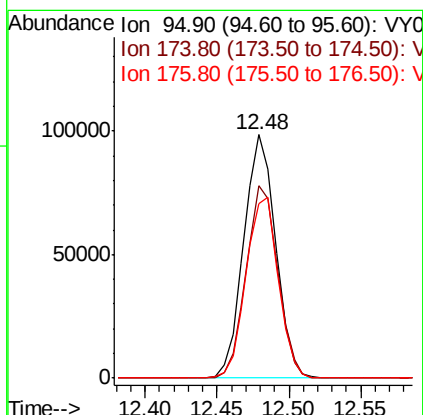
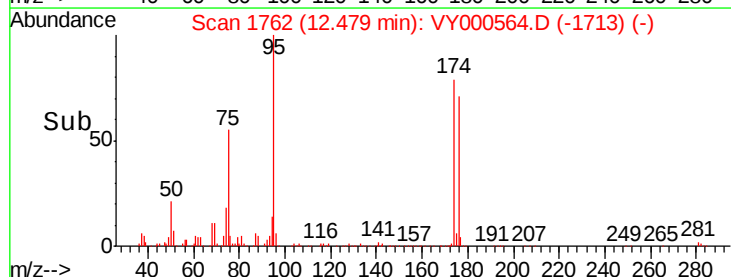
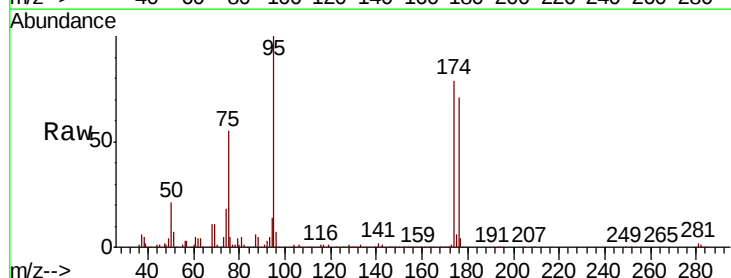
Tgt Ion: 95 Resp: 150540

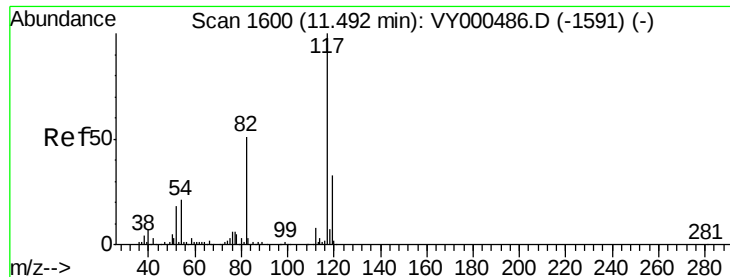
Ion Ratio Lower Upper

95 100

174 78.7 0.0 161.6

176 75.3 0.0 157.8

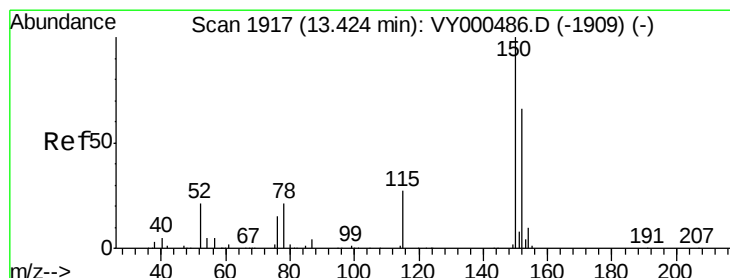
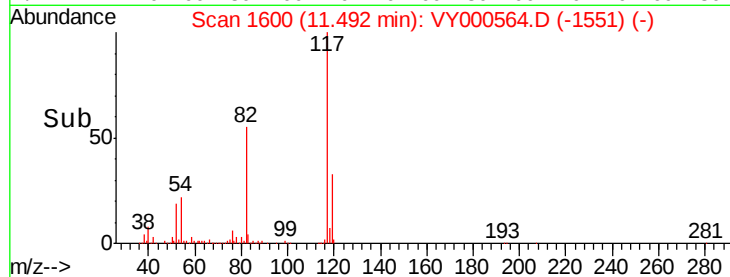
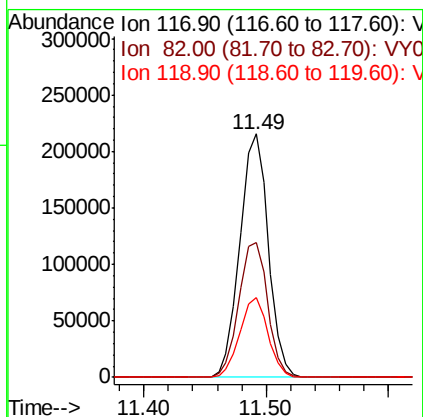
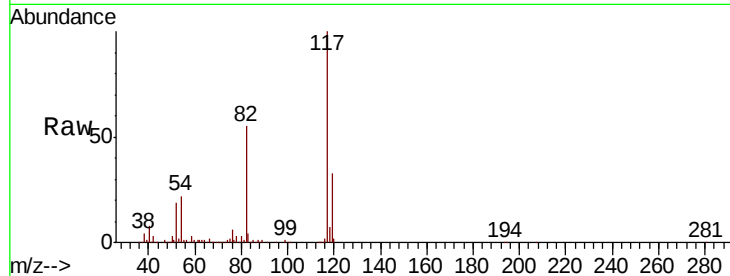




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000564.D
Acq: 06 Nov 2019 19:58

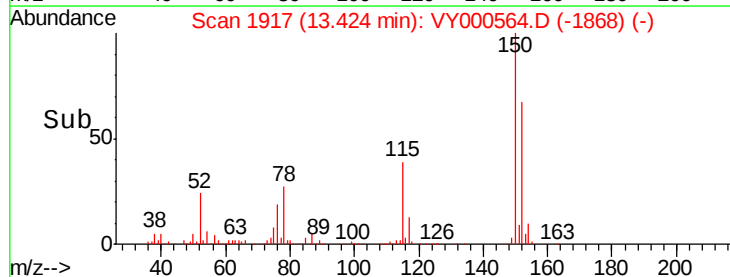
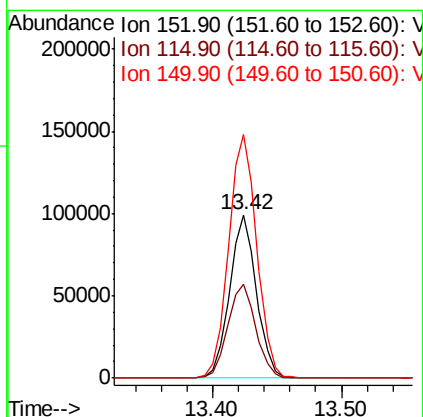
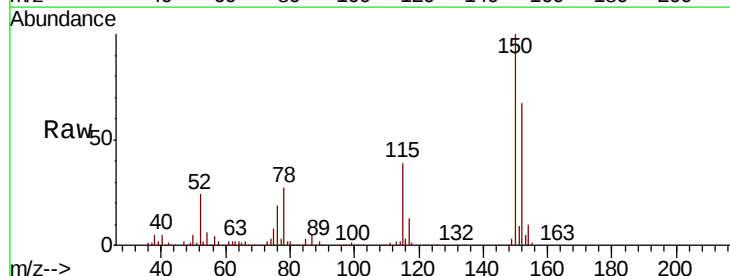
Instrument :
MSVOA_Y
ClientSampled :
8-B

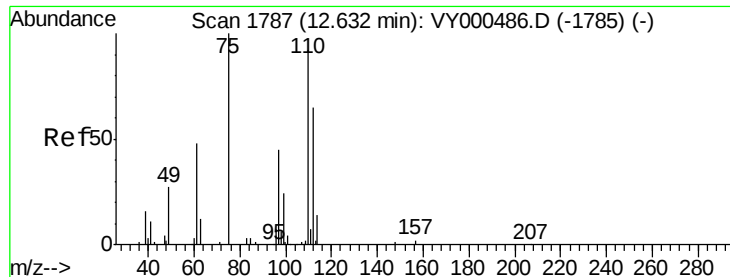
Tot Ion:117 Resp: 346853
Ion Ratio Lower Upper
117 100
82 55.4 40.8 61.2
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000564.D
Acq: 06 Nov 2019 19:58

Tgt Ion:152 Resp: 144333
Ion Ratio Lower Upper
152 100
115 60.1 29.1 87.4
150 155.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 49.928 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

Instrument :

MSVOA_Y

ClientSampled :

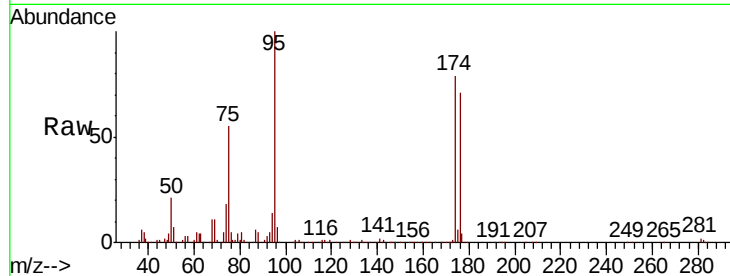
8-B

Tot Ion: 75 Resp: 82053

Ion Ratio Lower Upper

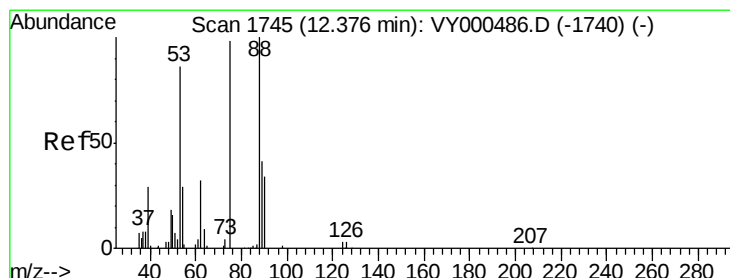
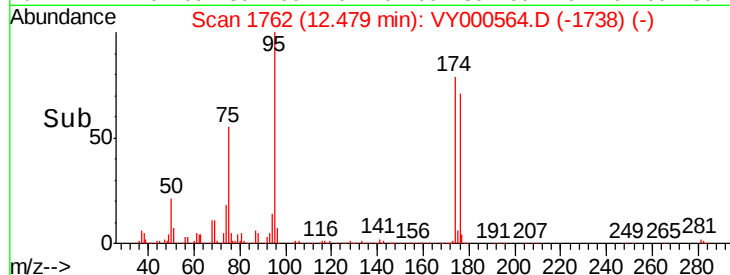
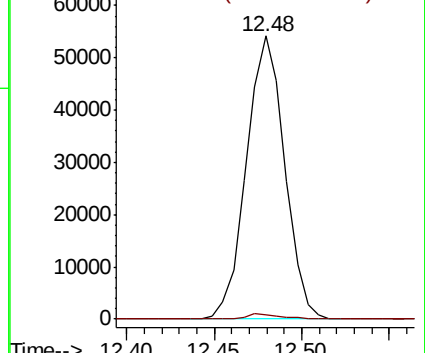
75 100

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: 111.945 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000564.D

Acq: 06 Nov 2019 19:58

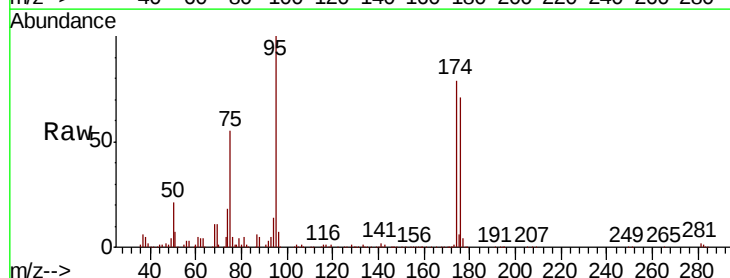
Tgt Ion: 75 Resp: 82053

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

