

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000617.D
 Acq On : 08 Nov 2019 15:12
 Operator : SY/MD
 Sample : K5722-16
 Misc : 8.28G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2-C

Quant Time: Nov 11 04:44:41 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

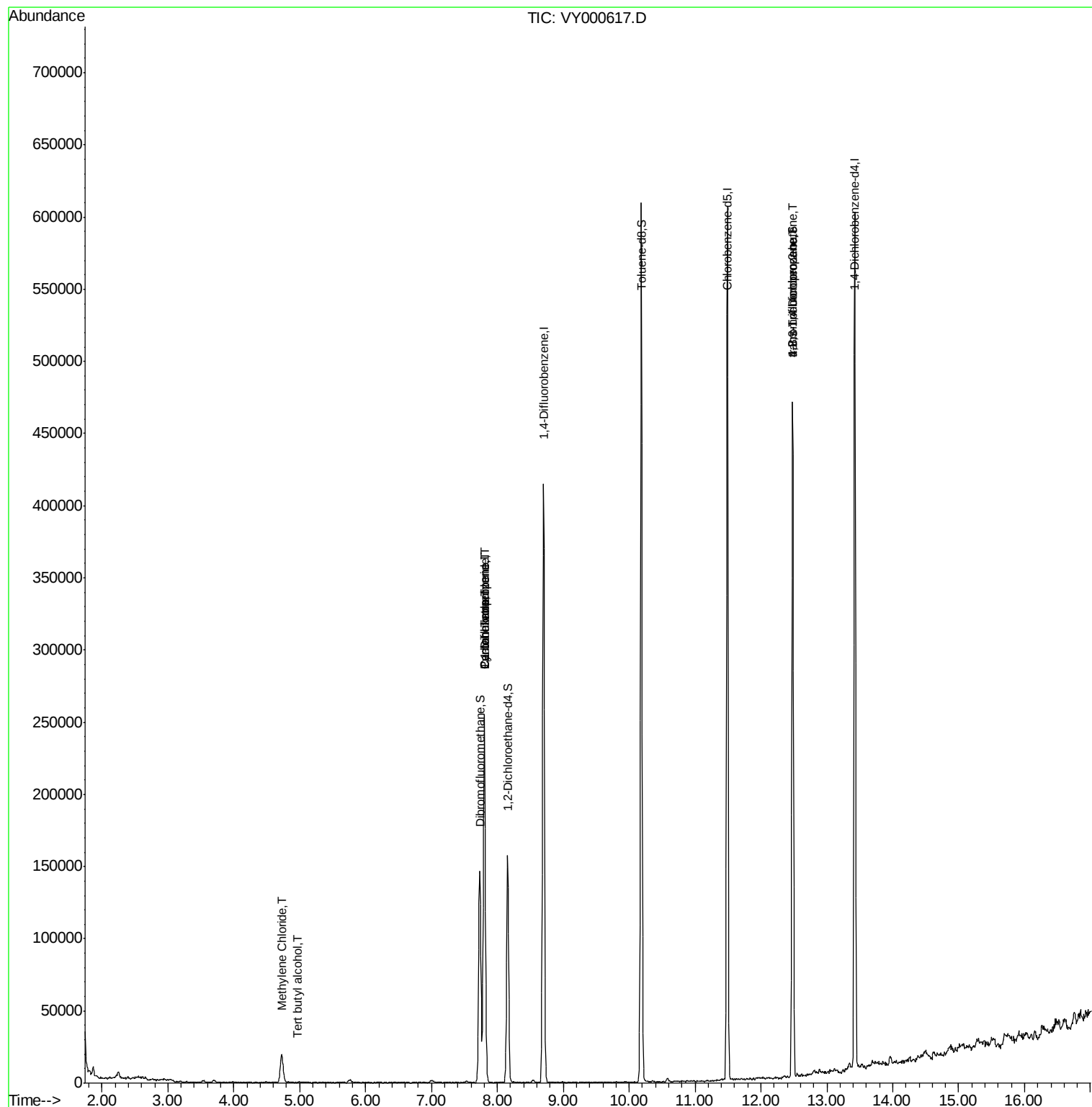
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	188499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	339368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	306122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139565	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	119739	61.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.76%	
35) Dibromofluoromethane	7.73	113	102406	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.18	98	395363	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.48	95	139957	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	423	2.228	ug/l #	72
20) Methylene Chloride	4.72	84	14490	6.290	ug/l	95
31) Cyclohexane	7.80	56	4581	1.213	ug/l #	20
36) 1,1-Dichloropropene	7.80	75	15264	4.758	ug/l #	49
38) Carbon Tetrachloride	7.80	117	19553	6.334	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	74922	47.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	74922	105.708	ug/l #	13

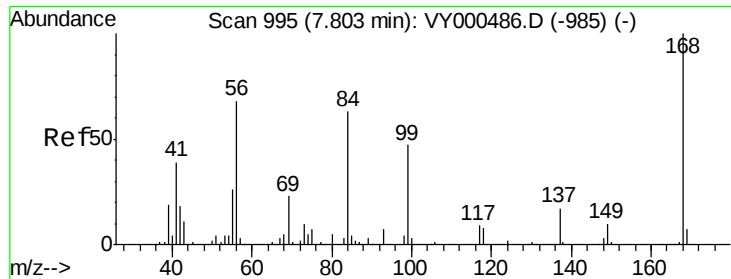
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000617.D

Acq: 08 Nov 2019 15:12

Instrument :

MSVOA_Y

ClientSampleId :

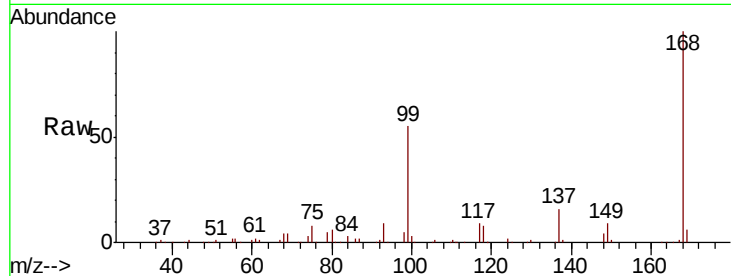
2-C

Tot Ion:168 Resp: 188499

Ion Ratio Lower Upper

168 100

99 54.8 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) (-)

7.81

80000

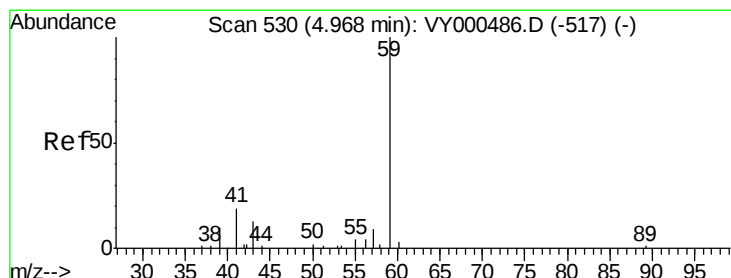
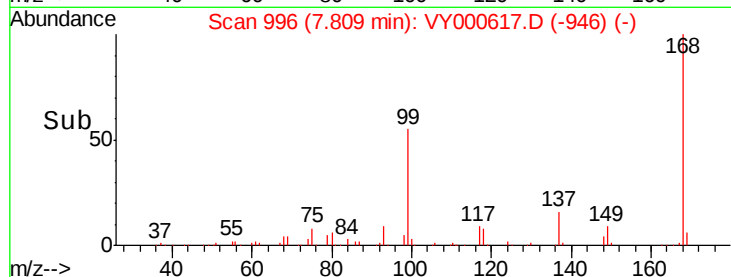
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.228 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000617.D

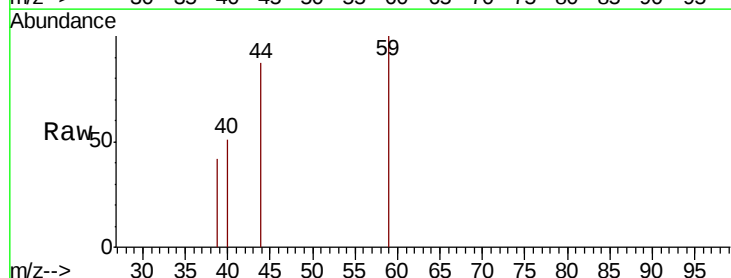
Acq: 08 Nov 2019 15:12

Tgt Ion: 59 Resp: 423

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000486.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY000486.D (-517) (-)

4.96

250

200

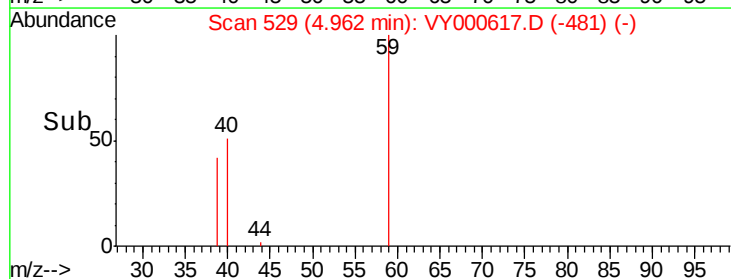
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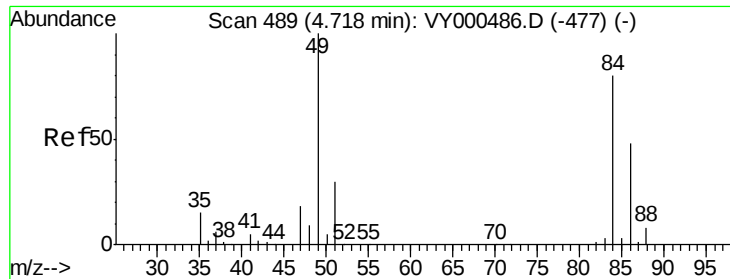
100

50

0

Time-->

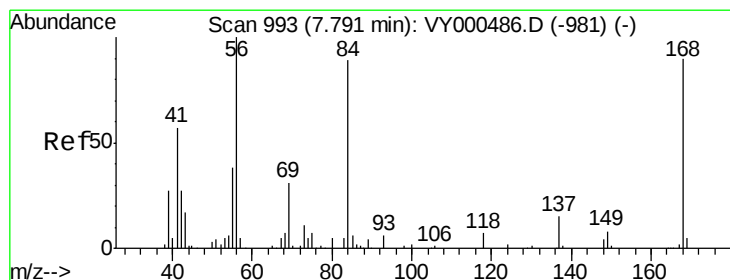
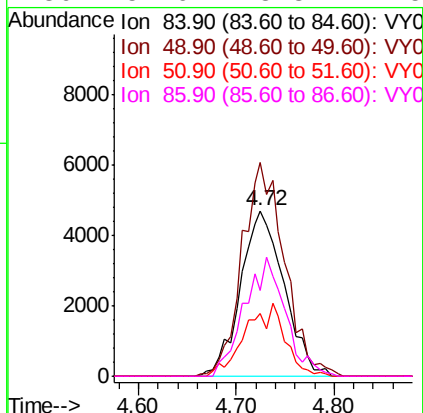
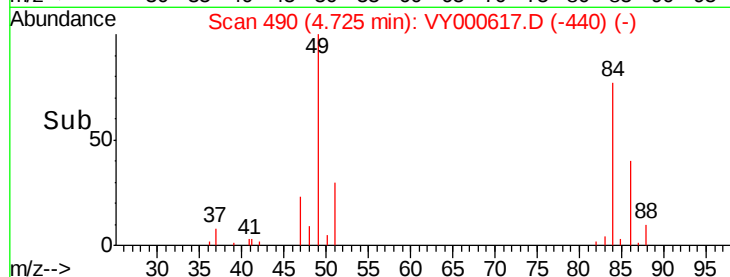
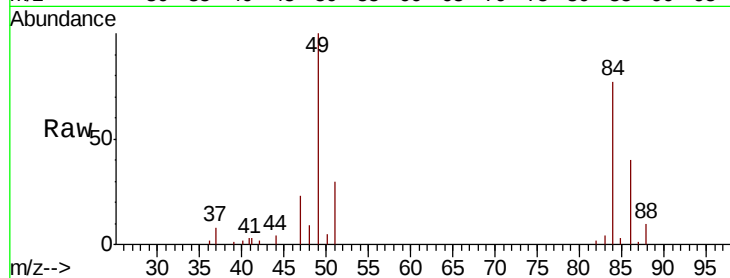




#20
Methvlene Chloride
Concen: 6.290 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

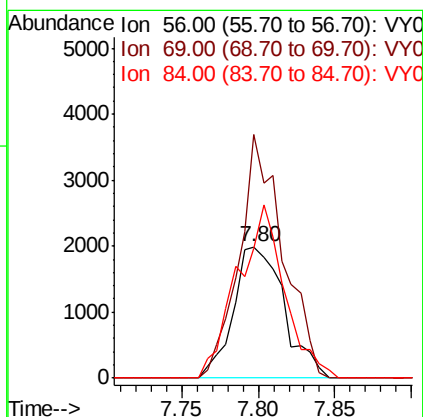
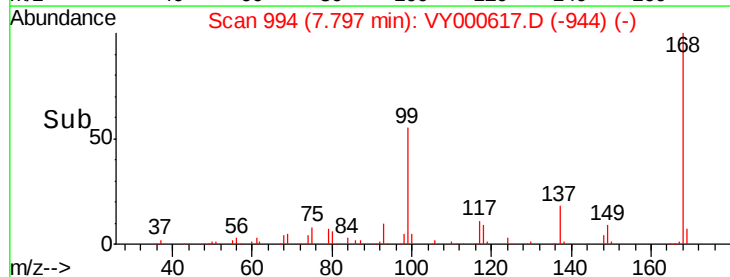
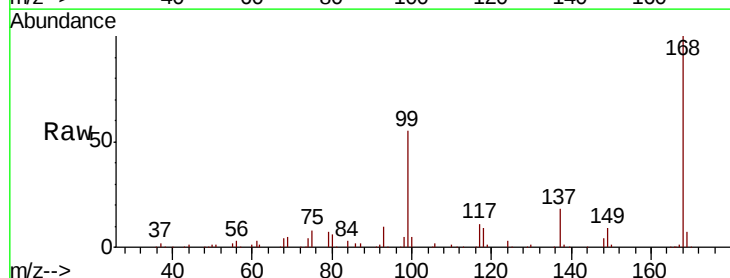
Instrument :
MSVOA_Y
ClientSampleId :
2-C

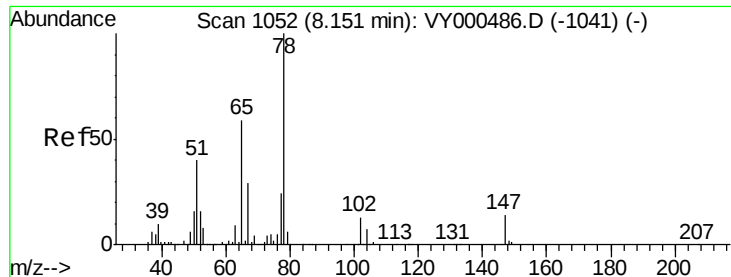
Tot Ion:	84	Resp:	14490
Ion	Ratio	Lower	Upper
84	100		
49	129.4	100.2	150.4
51	38.2	29.6	44.4
86	51.6	48.3	72.5



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

Tgt Ion:	56	Resp:	4581
Ion	Ratio	Lower	Upper
56	100		
69	185.9	25.0	37.6#
84	99.0	71.4	107.2

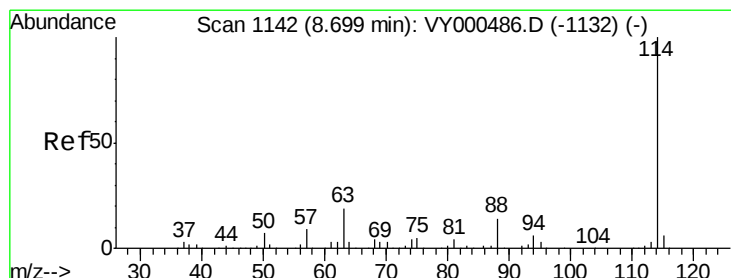
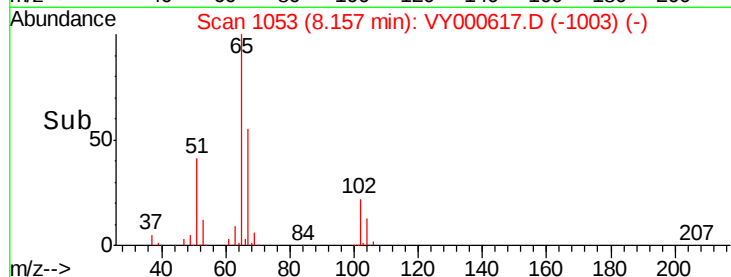
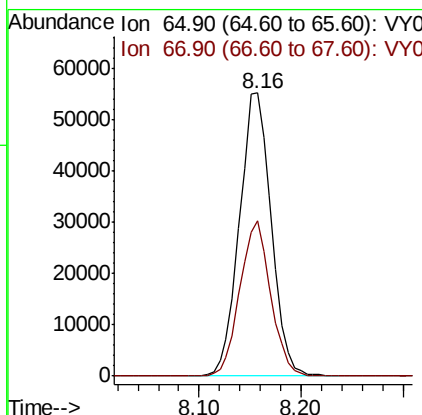
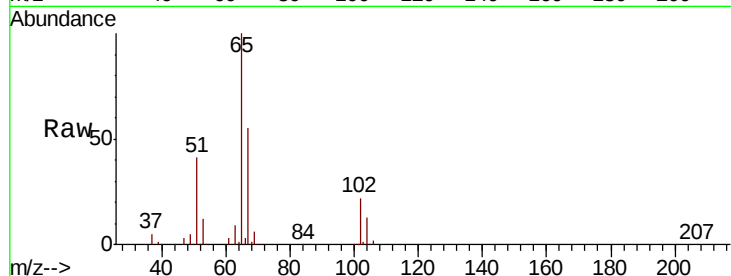




#33
 1,2-Dichloroethane-d4
 Concen: 61.382 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000617.D
 Acq: 08 Nov 2019 15:12

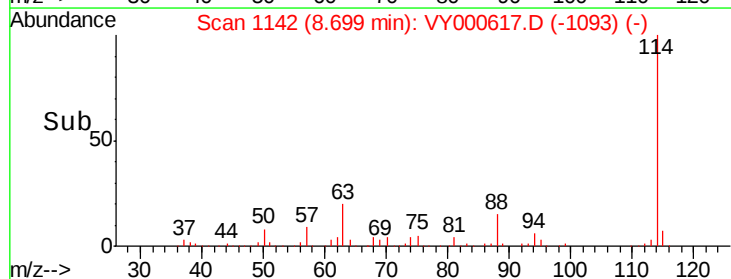
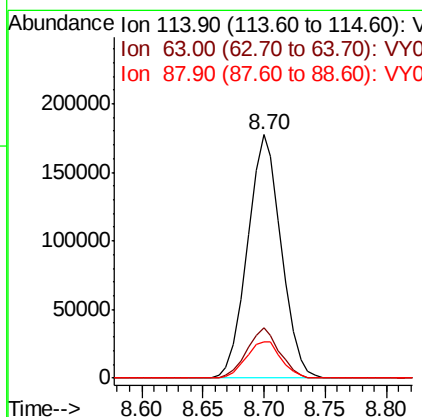
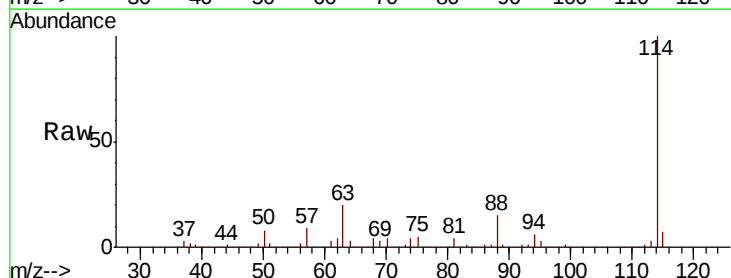
Instrument :
 MSVOA_Y
 ClientSampleId :
 2-C

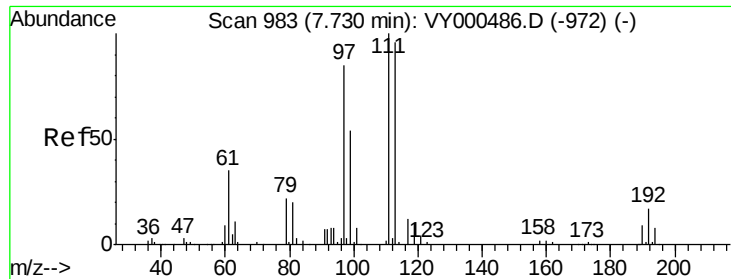
Tot Ion: 65 Resp: 119739
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000617.D
 Acq: 08 Nov 2019 15:12

Tgt Ion: 114 Resp: 339368
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.0
 88 14.9 0.0 28.6

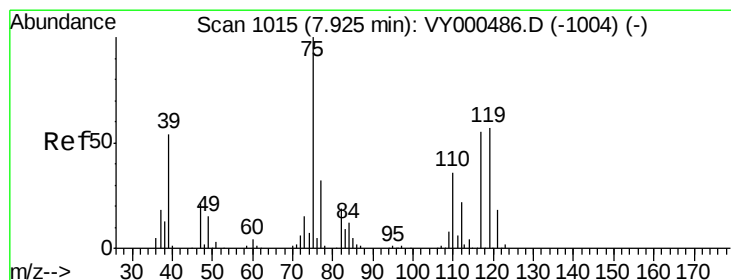
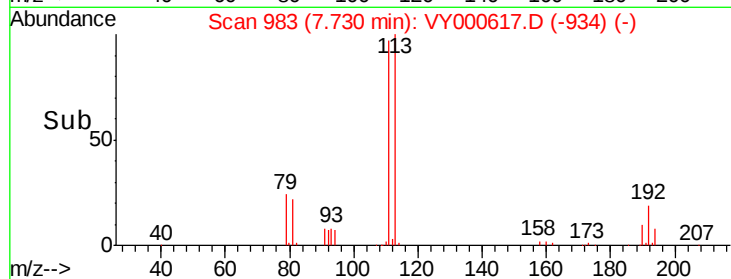
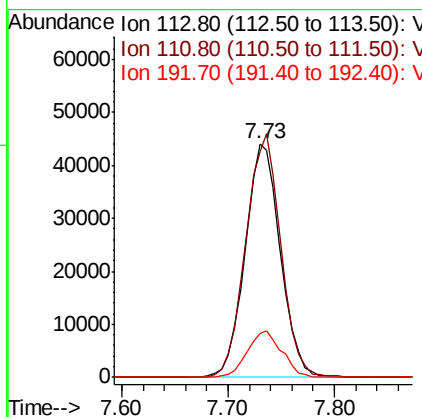
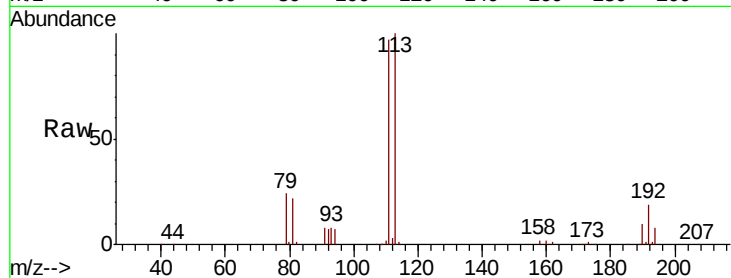




#35
 Dibromofluoromethane
 Concen: 51.401 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000617.D
 Acq: 08 Nov 2019 15:12

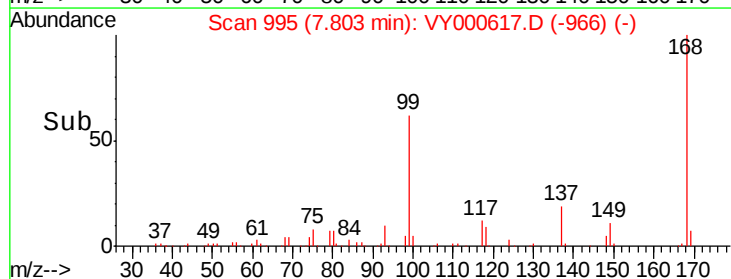
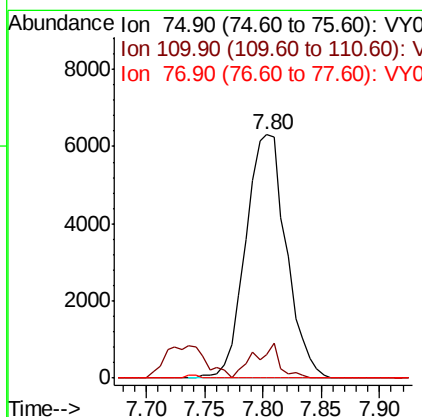
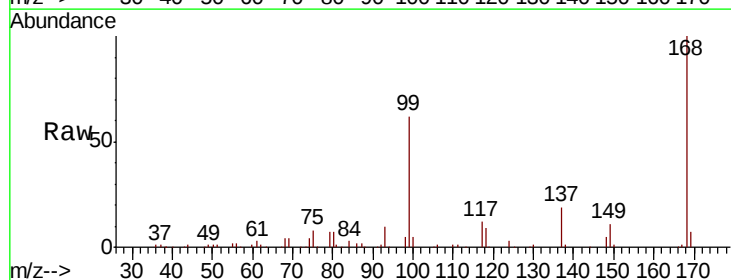
Instrument :
 MSVOA_Y
 ClientSampleId :
 2-C

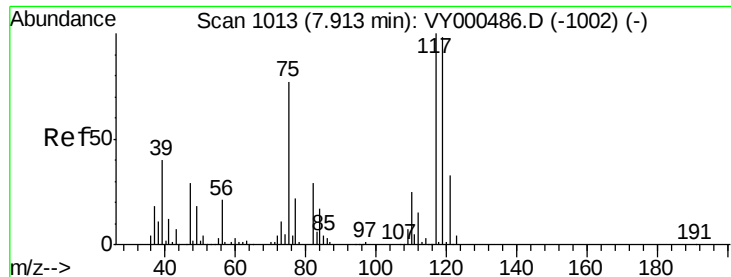
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.7	122.5
192	19.5	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000617.D
 Acq: 08 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.334 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000617.D

Acq: 08 Nov 2019 15:12

Instrument :

MSVOA_Y

ClientSampleId :

2-C

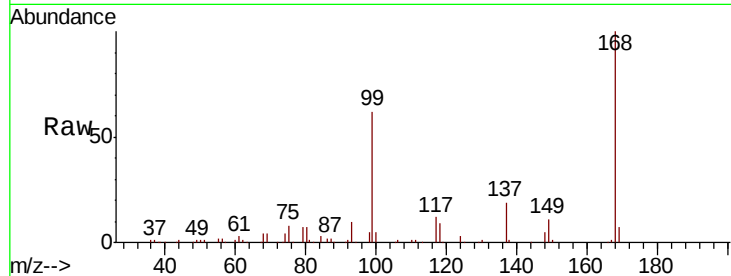
Tot Ion:117 Resp: 19553

Ion Ratio Lower Upper

117 100

119 1.9 78.0 117.0#

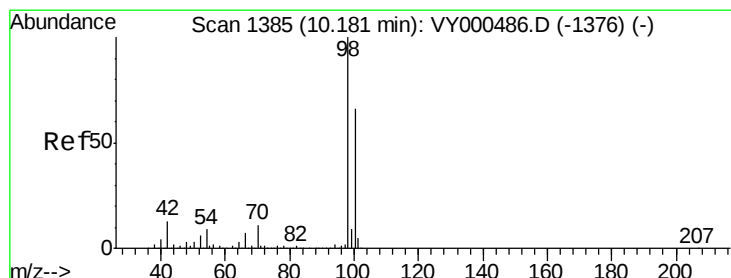
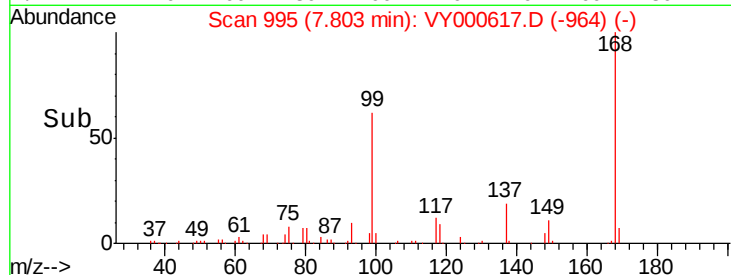
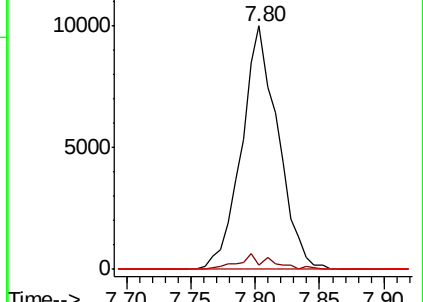
121 0.0 26.6 40.0#



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: 52.298 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000617.D

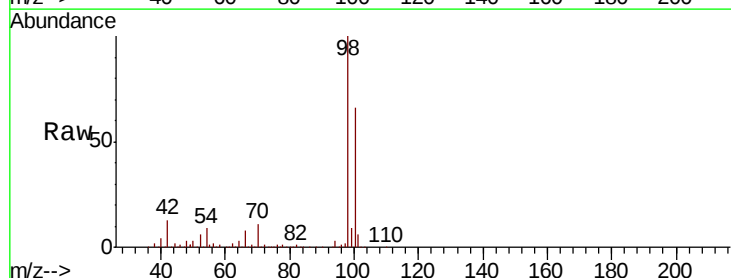
Acq: 08 Nov 2019 15:12

Tgt Ion: 98 Resp: 395363

Ion Ratio Lower Upper

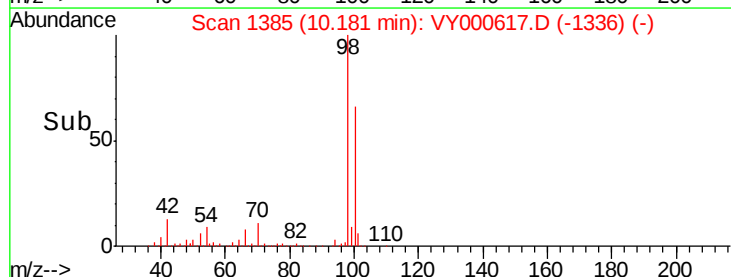
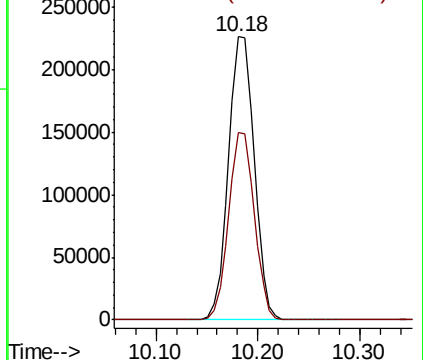
98 100

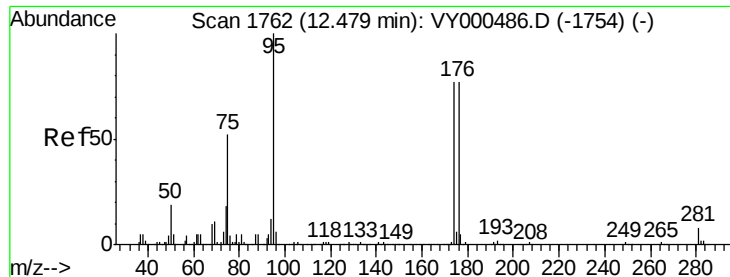
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

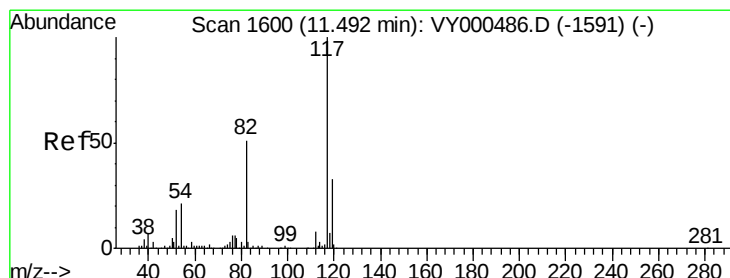
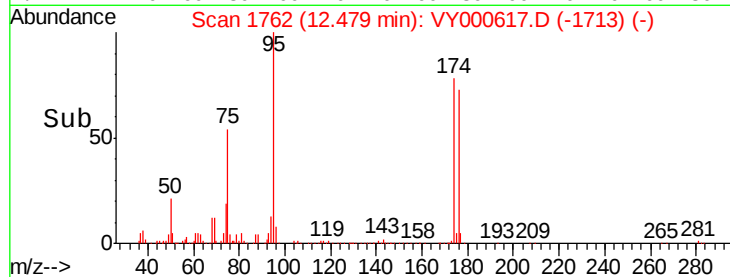
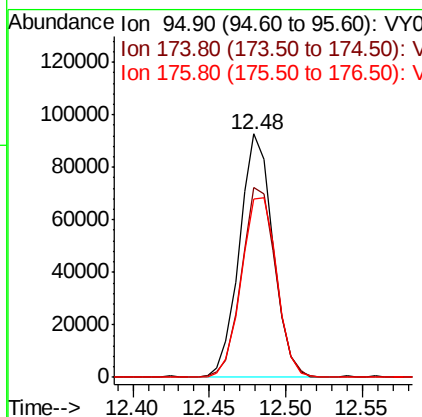
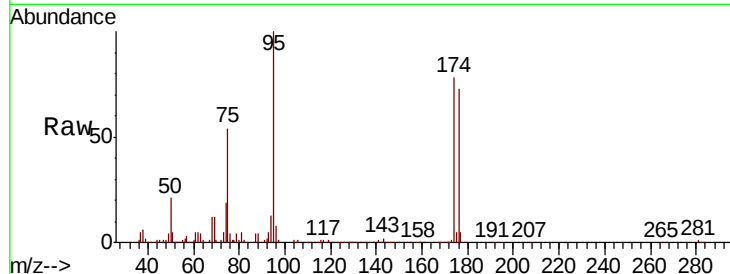




#62
4-Bromofluorobenzene
Concen: 48.631 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

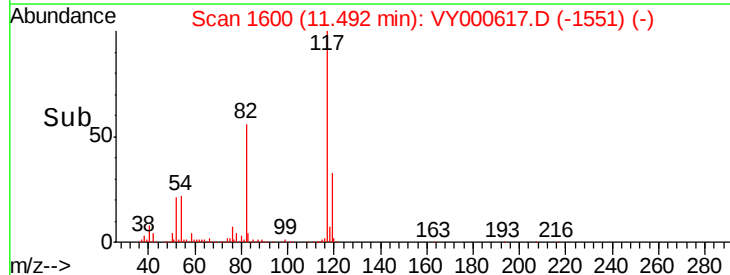
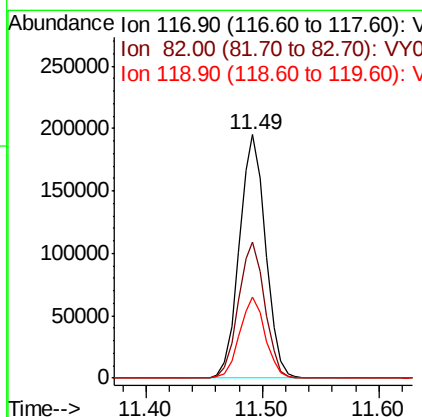
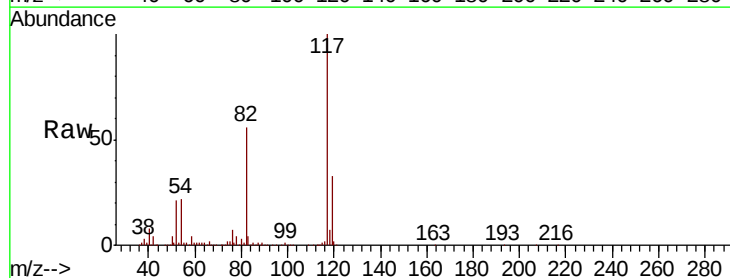
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2-C

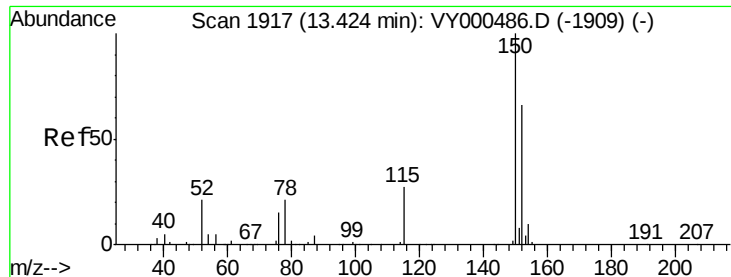
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	161.6
176	79.1	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	40.8	61.2
119	33.1	26.2	39.2



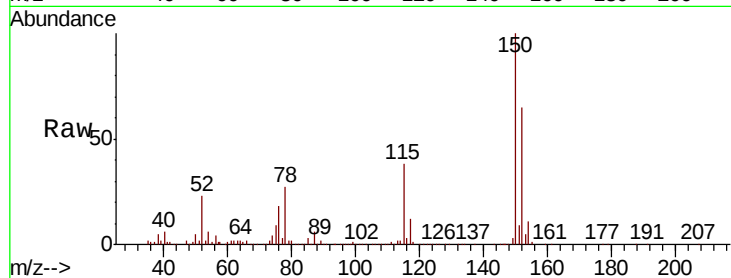


#72

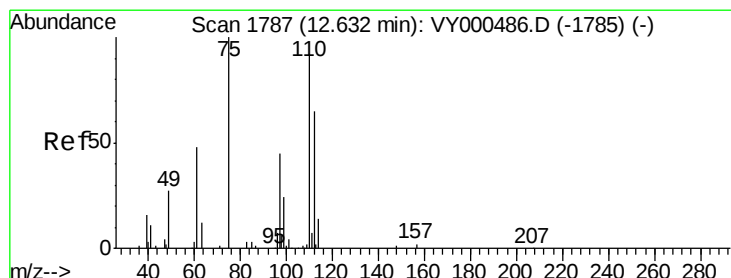
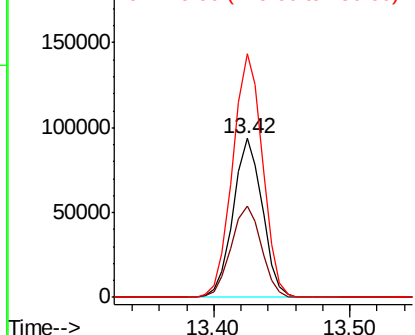
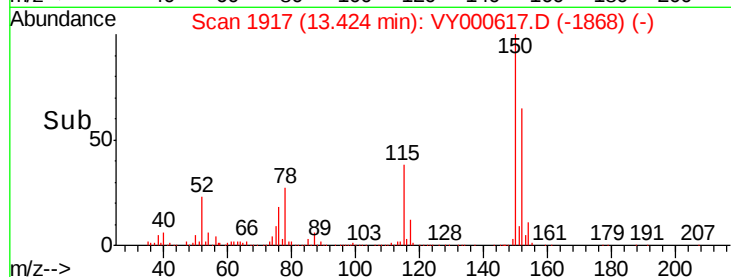
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

Instrument :
MSVOA_Y
ClientSampleId :
2-C

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.1	87.4
150	157.3	0.0	348.8



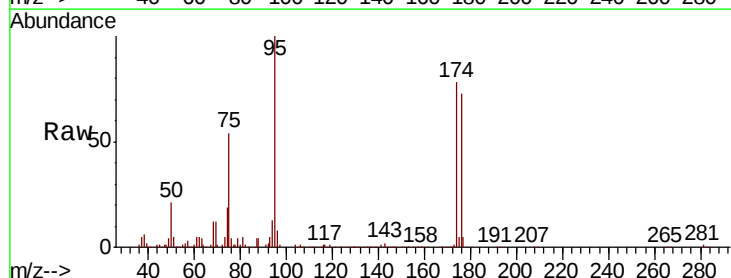
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



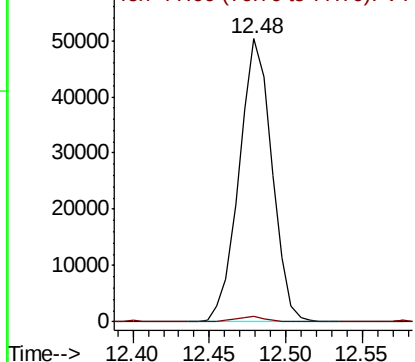
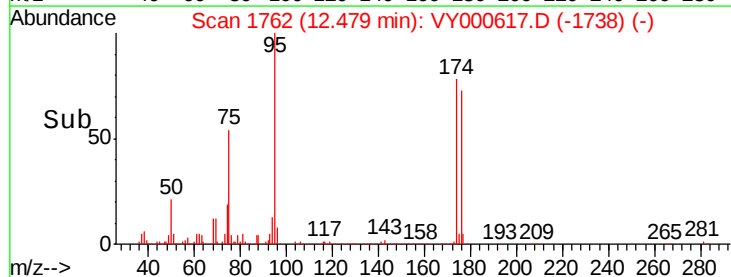
#76

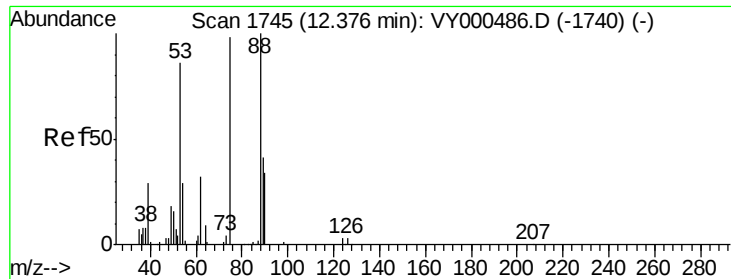
1,2,3-Trichloropropane
Concen: 47.146 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000617.D
Acq: 08 Nov 2019 15:12

Tgt 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: 105.708 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000617.D

Acq: 08 Nov 2019 15:12

Instrument :

MSVOA_Y

ClientSampleId :

2-C

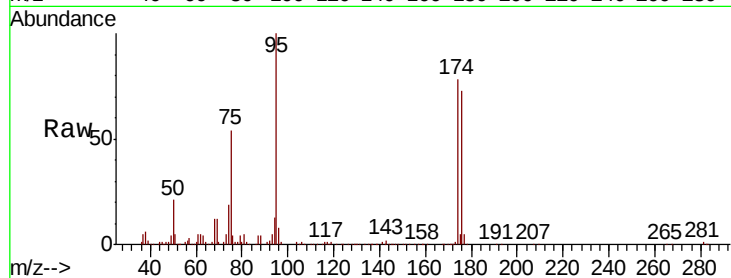
Tot Ion: 75 Resp: 74922

Ion Ratio Lower Upper

75 100

53 0.2 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

