

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000619.D
 Acq On : 08 Nov 2019 15:56
 Operator : SY/MD
 Sample : K5722-18
 Misc : 6.55G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-B

Quant Time: Nov 11 04:45:04 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	226123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	399603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	359053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152374	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	138192	59.05	ug/l	0.00
Spiked Amount			Recovery	=	118.10%	
35) Dibromofluoromethane	7.73	113	120423	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.19	98	474332	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.48	95	157758	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	

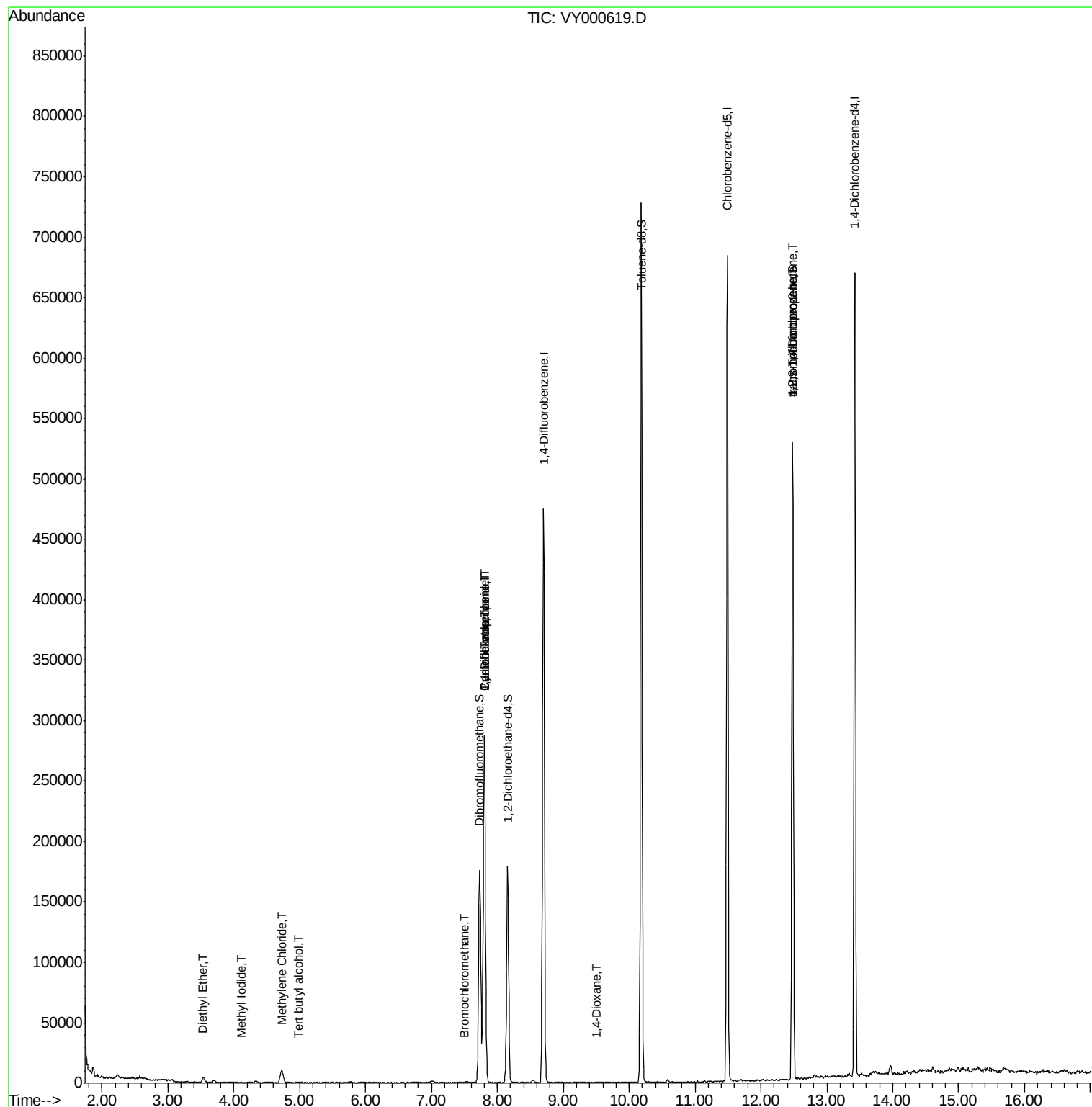
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	2513	1.839	ug/l	98
10) Methyl Iodide	4.11	142	78	3.223	ug/l #	26
11) Tert butyl alcohol	4.98	59	433	1.901	ug/l #	72
20) Methylene Chloride	4.72	84	8193	2.965	ug/l	91
28) Bromochloromethane	7.49	49	20	4.102	ug/l #	14
31) Cyclohexane	7.80	56	5006	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18074	4.784	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23481	6.460	ug/l #	15
49) 1,4-Dioxane	9.50	88	24	1.190	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	87038	50.166	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87038	112.480	ug/l #	13

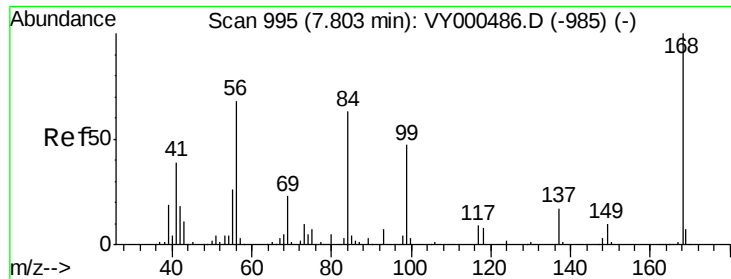
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000619.D

Acq: 08 Nov 2019 15:56

Instrument :

MSVOA_Y

ClientSampled :

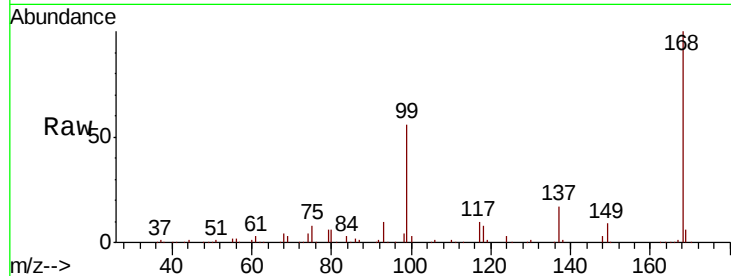
3-B

Tot Ion:168 Resp: 226123

Ion Ratio Lower Upper

168 100

99 56.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000619.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000619.D (-985) (-)

7.80

100000

80000

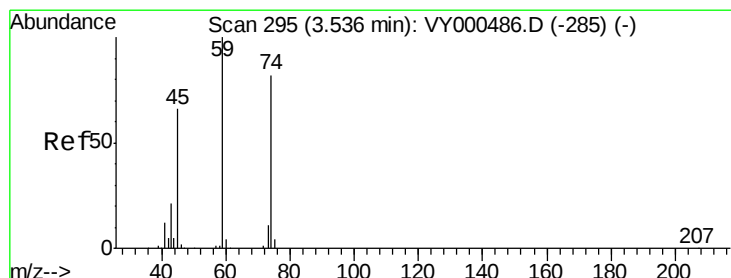
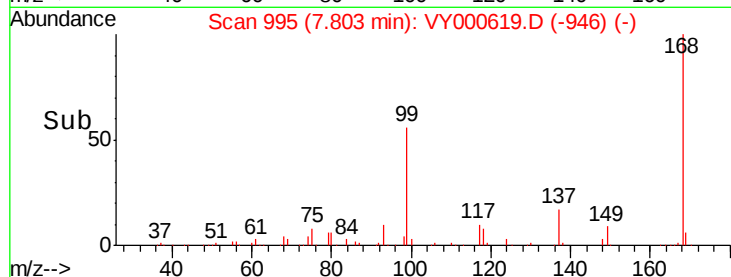
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.839 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000619.D

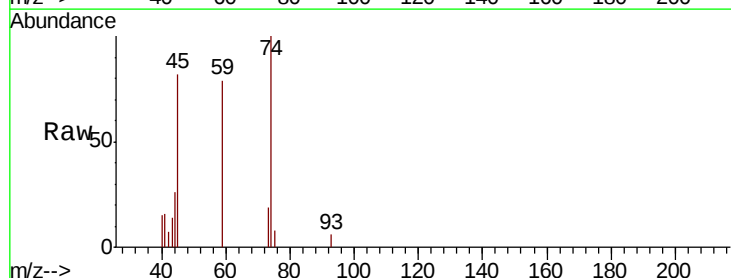
Acq: 08 Nov 2019 15:56

Tgt Ion: 74 Resp: 2513

Ion Ratio Lower Upper

74 100

45 88.7 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000619.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY000619.D (-246) (-)

3.53

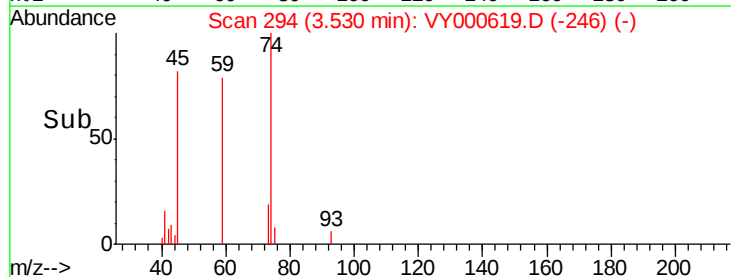
1500

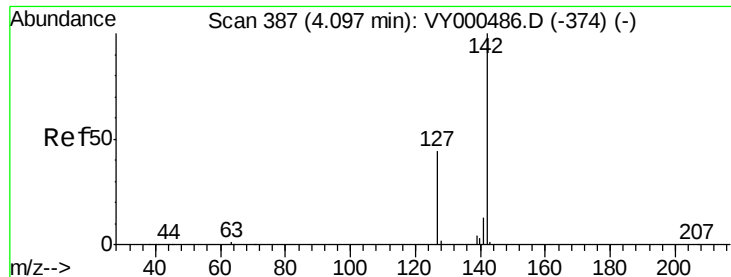
1000

500

0

Time-->

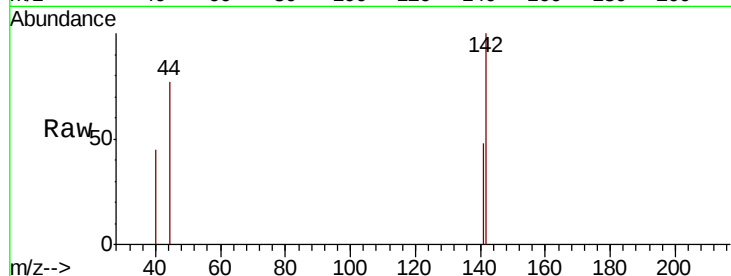




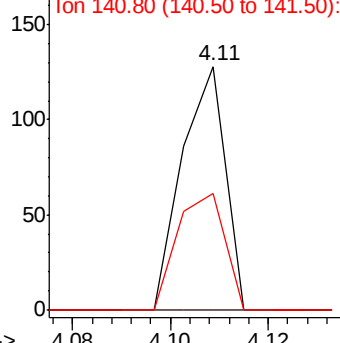
#10
Methyl Iodide
Concen: 3.223 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Instrument :
MSVOA_Y
ClientSampleId :
3-B

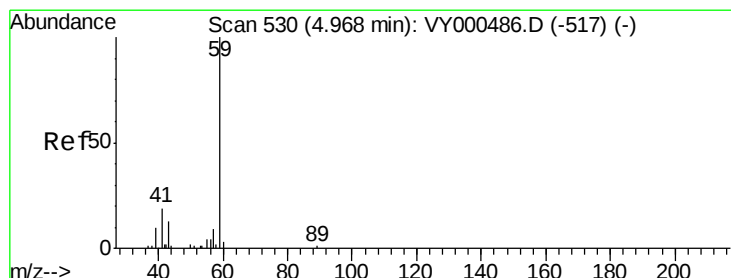
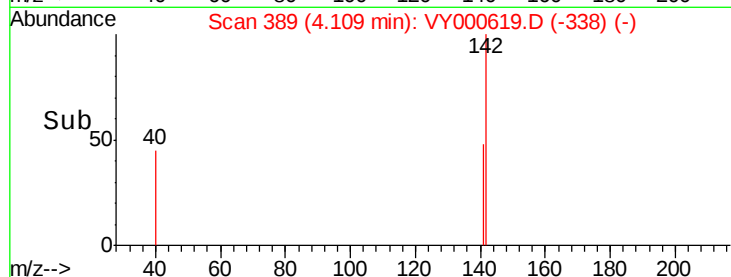
Tot Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 52.6 10.9 16.3#



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

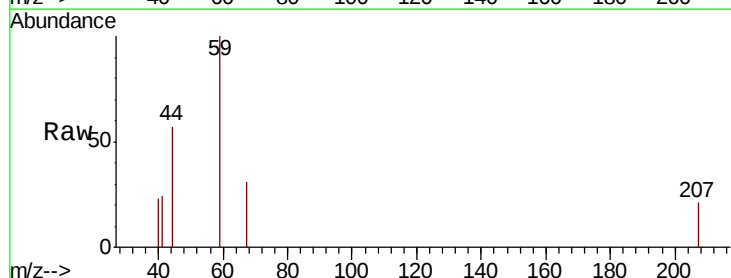


Time-->

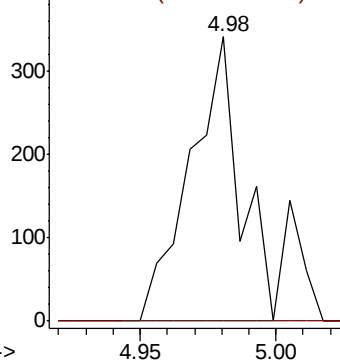


#11
Tert butyl alcohol
Concen: 1.901 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

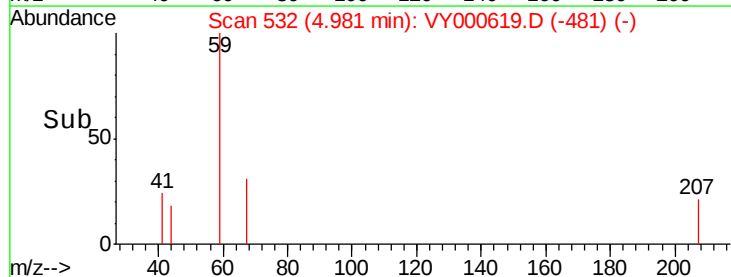
Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

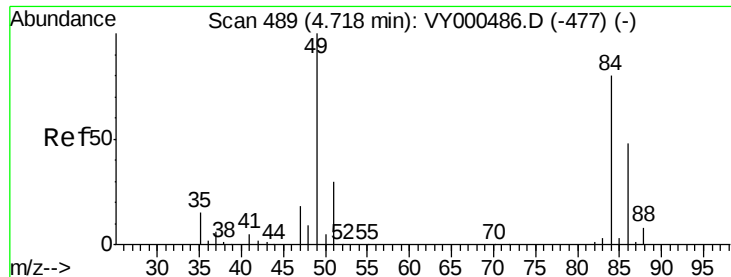


Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0



Time-->

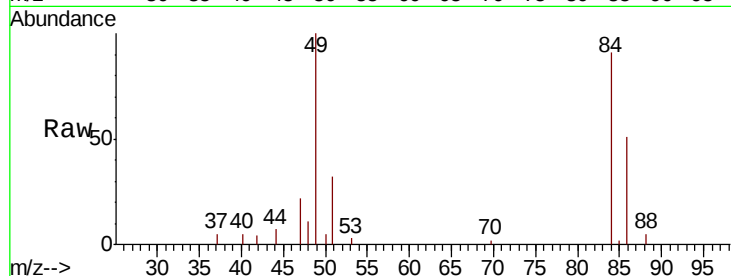




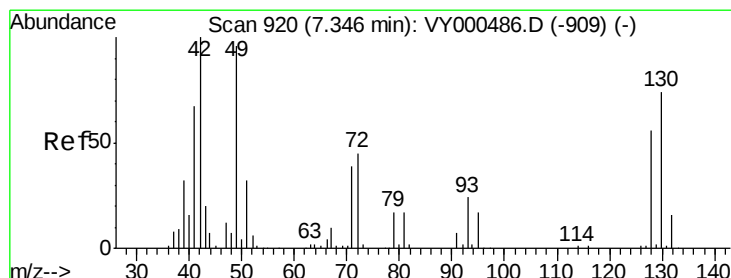
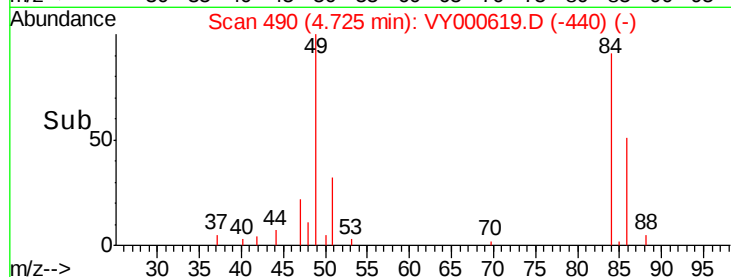
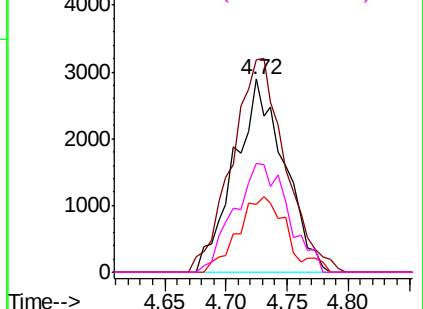
#20
Methvlene Chloride
Concen: 2.965 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Instrument :
MSVOA_Y
ClientSampleId :
3-B

Tot Ion:	84	Resp:	8193
Ion	Ratio	Lower	Upper
84	100		
49	110.2	100.2	150.4
51	35.4	29.6	44.4
86	56.4	48.3	72.5

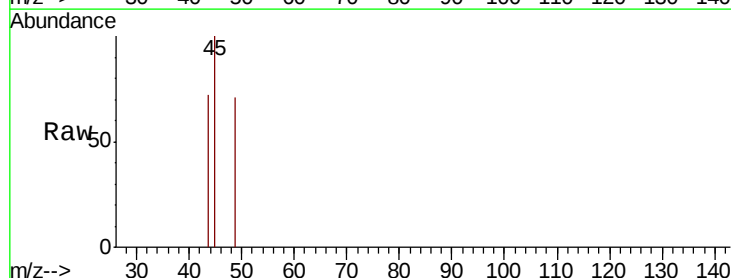


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

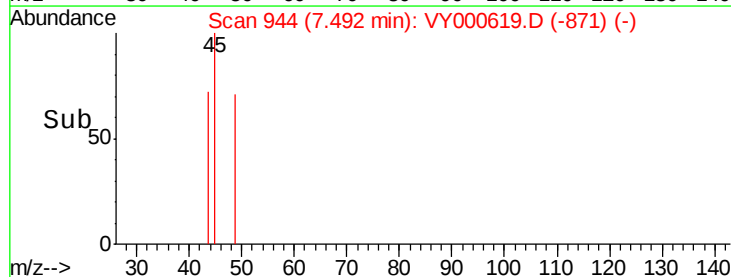
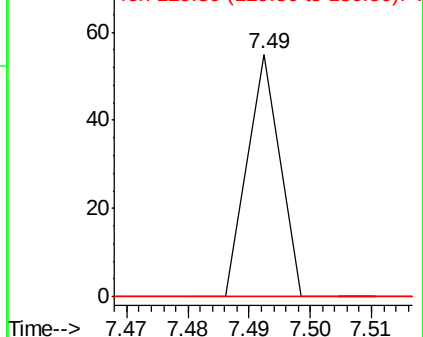


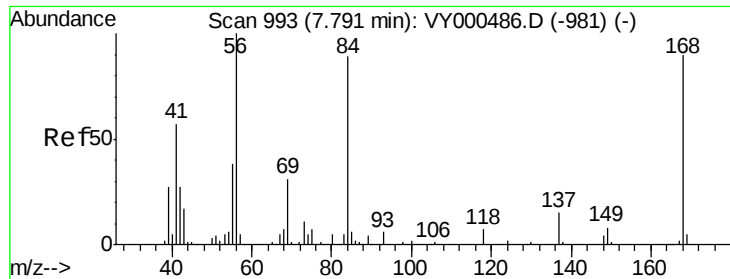
#28
Bromochloromethane
Concen: 4.102 ug/l
RT: 7.49 min Scan# 944
Delta R.T. 0.15 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Tgt Ion:	49	Resp:	20
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

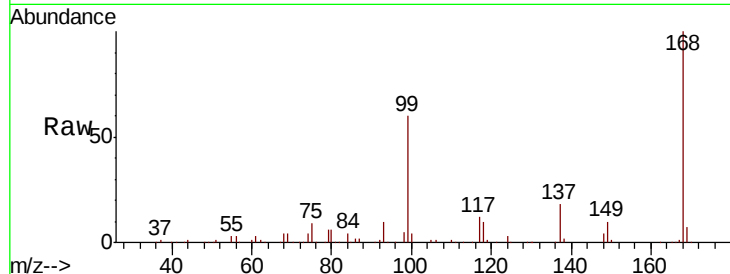




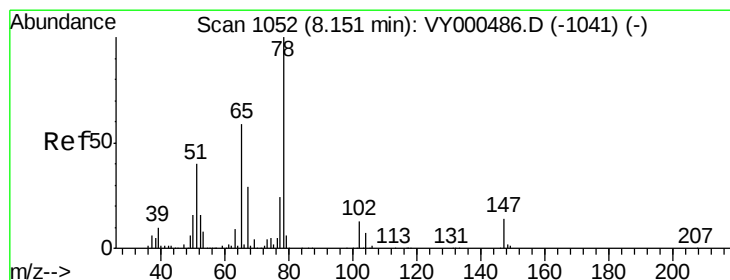
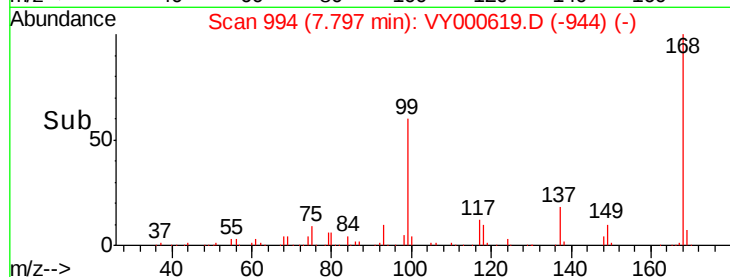
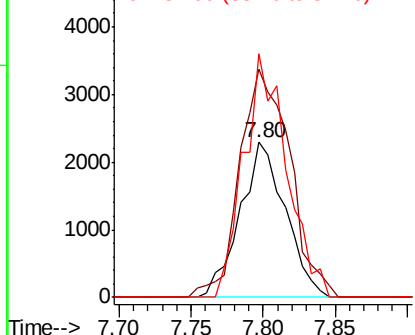
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Instrument :
MSVOA_Y
ClientSampled :
3-B

Tot Ion: 56 Resp: 5006
Ion Ratio Lower Upper
56 100
69 147.1 25.0 37.6#
84 157.2 71.4 107.2#

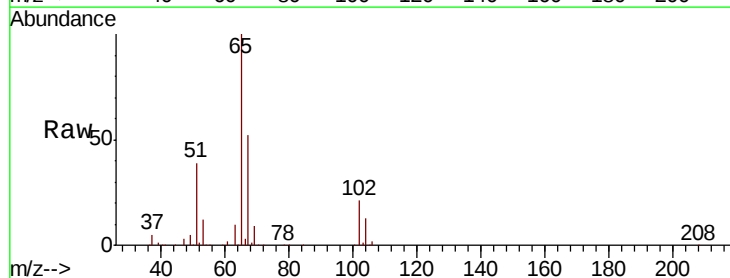


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

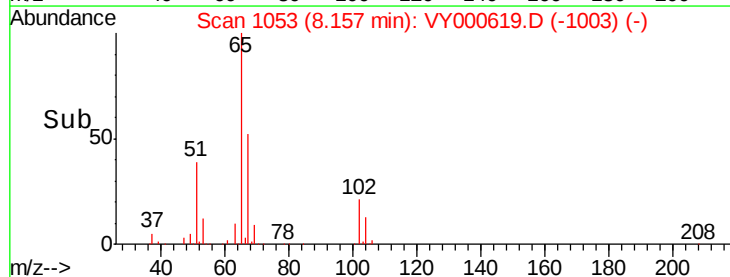
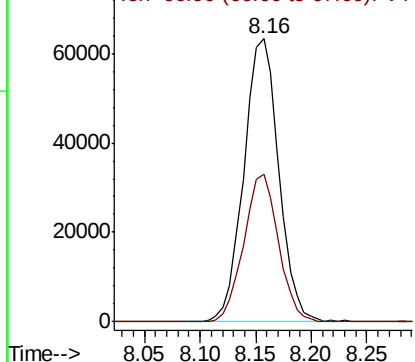


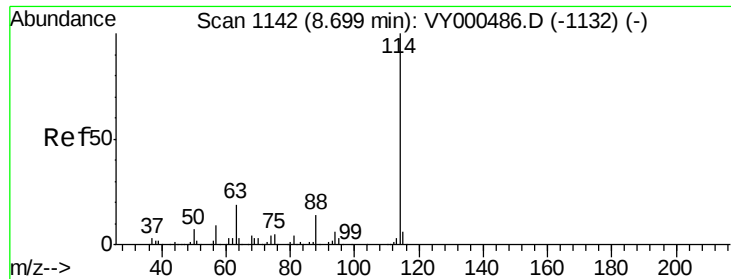
#33
1,2-Dichloroethane-d4
Concen: 59.054 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Tgt Ion: 65 Resp: 138192
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.2



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

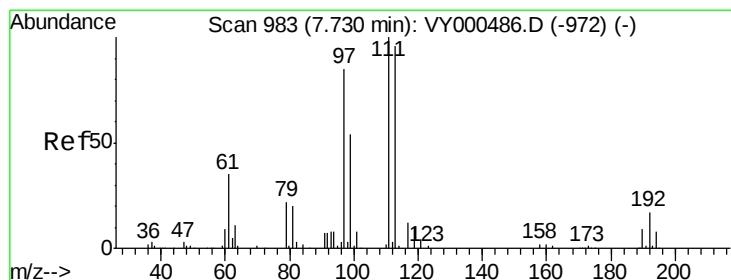
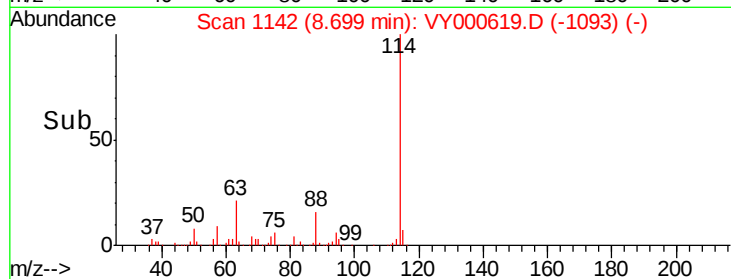
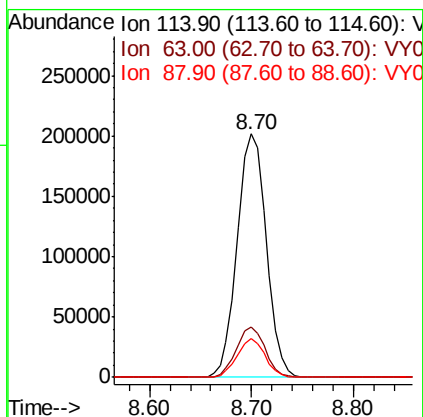
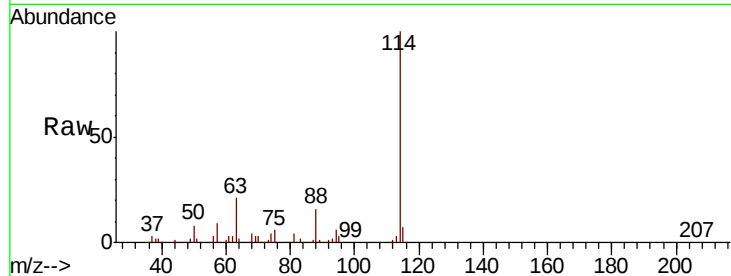




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000619.D
 Acq: 08 Nov 2019 15:56

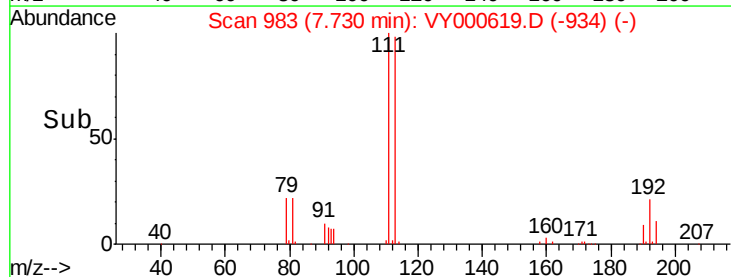
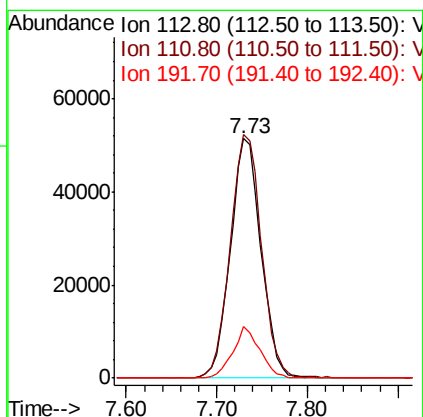
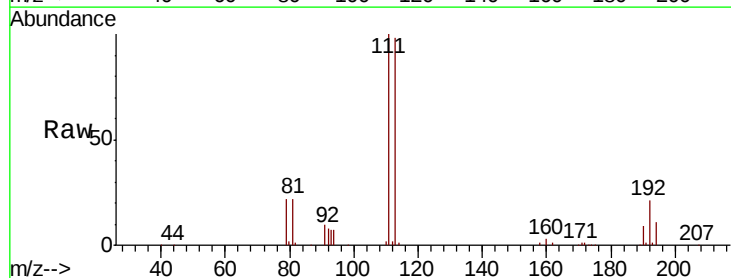
Instrument :
 MSVOA_Y
 ClientSampled :
 3-B

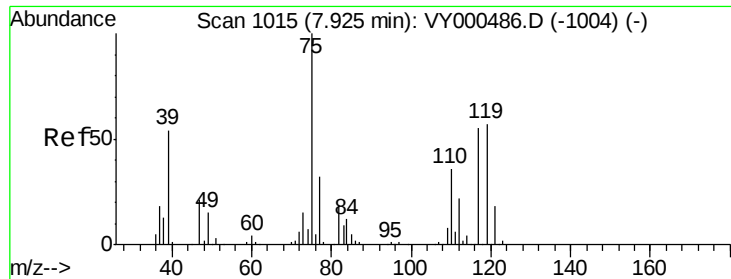
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	38.0
88	15.7	0.0	28.6



#35
 Dibromofluoromethane
 Concen: 51.333 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000619.D
 Acq: 08 Nov 2019 15:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	18.9	15.0	22.4

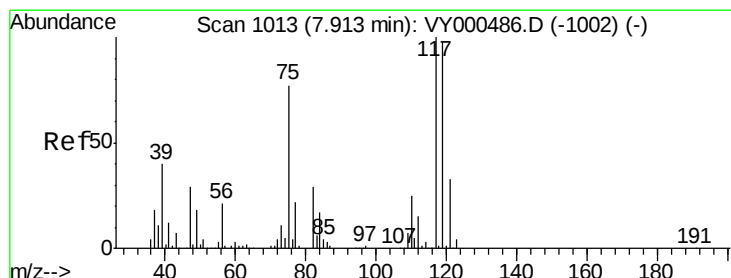
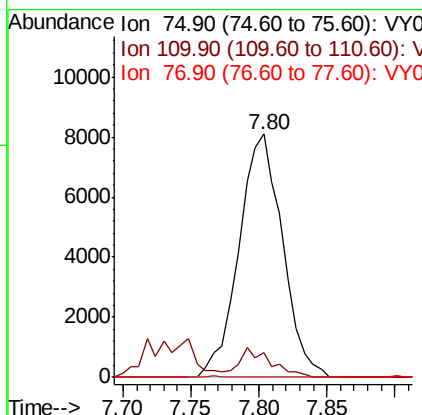
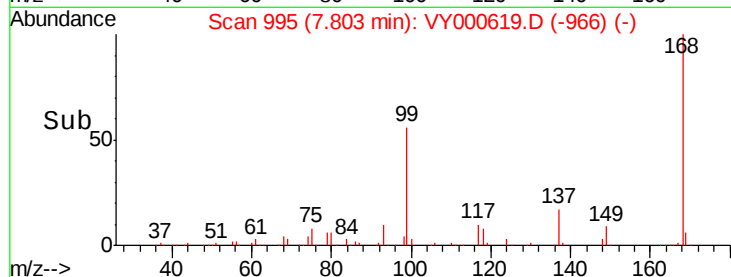
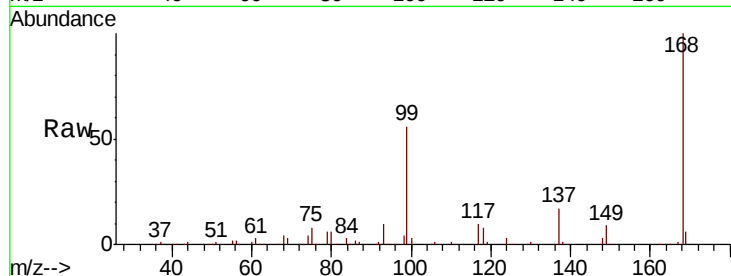




#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000619.D
 Acq: 08 Nov 2019 15:56

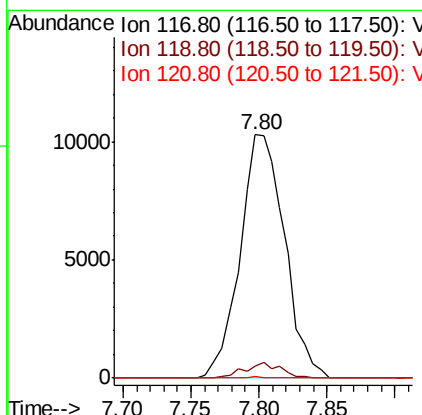
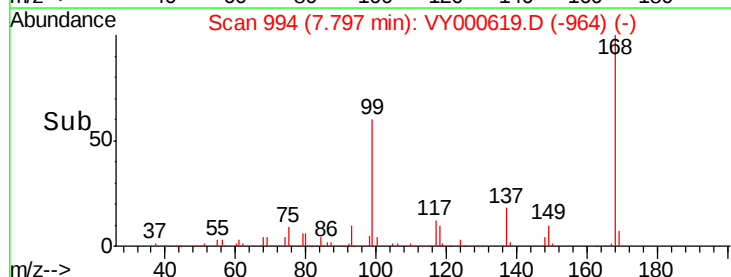
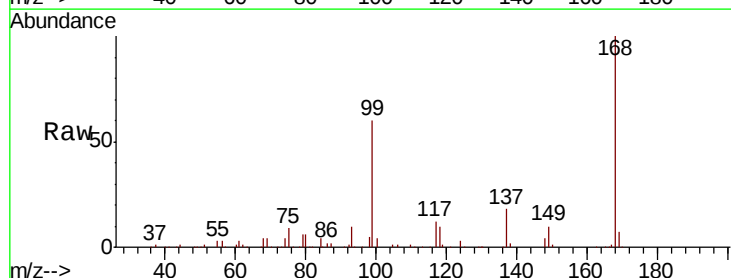
Instrument :
 MSVOA_Y
 ClientSampled :
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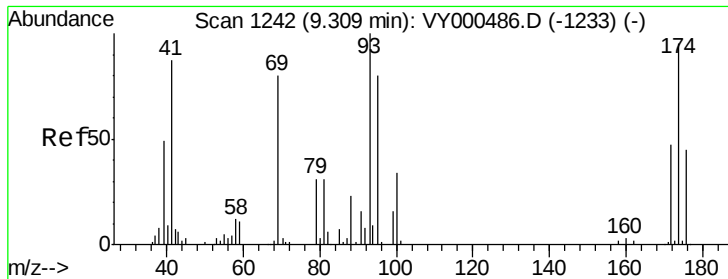
Tot Ion: 75 Resp: 18074
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 6.460 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000619.D
 Acq: 08 Nov 2019 15:56

Tgt Ion: 117 Resp: 23481
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.0 117.0#
 121 0.7 26.6 40.0#

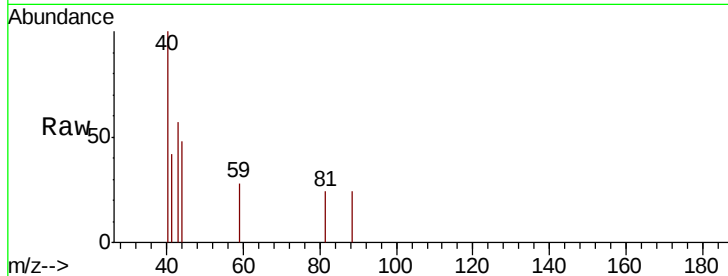




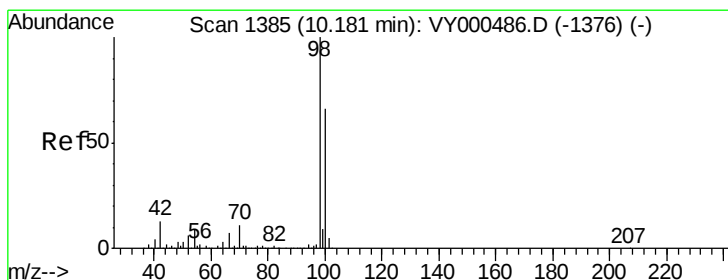
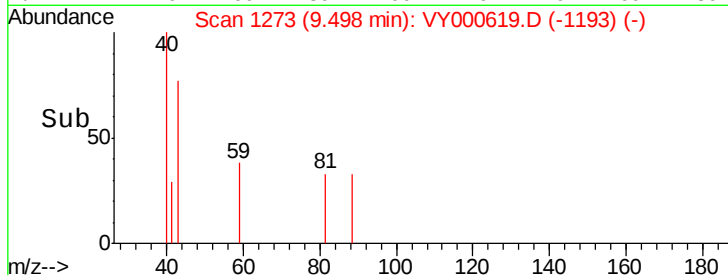
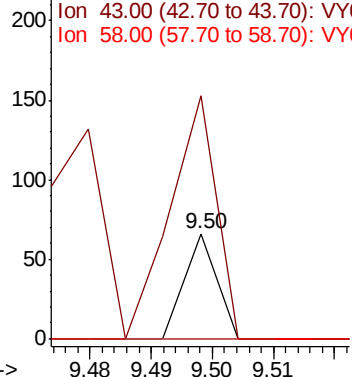
#49
1,4-Dioxane
Concen: 1.190 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. 0.19 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Instrument :
MSVOA_Y
ClientSampleId :
3-B

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 329.2 25.1 37.7#
58 0.0 50.6 75.8#

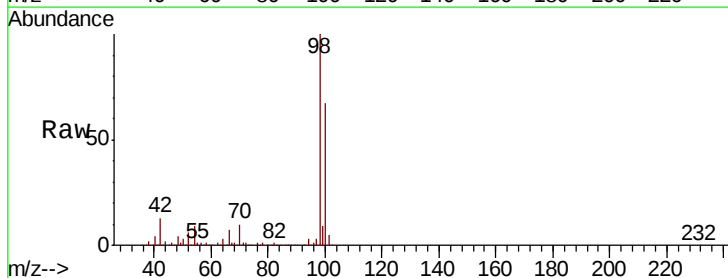


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

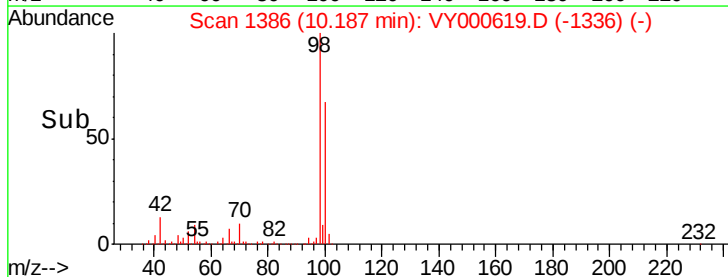
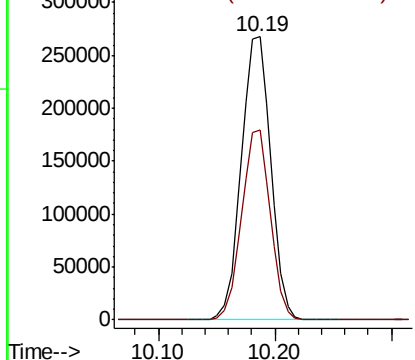


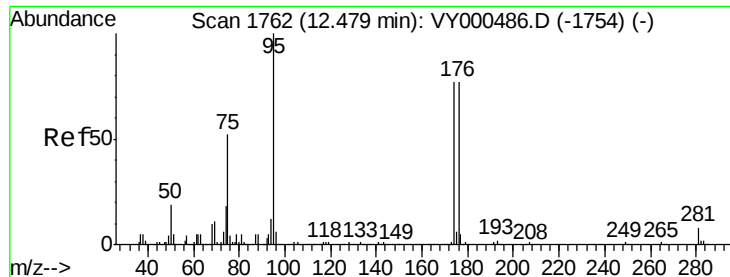
#50
Toluene-d8
Concen: 53.286 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Tgt Ion: 98 Resp: 474332
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



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

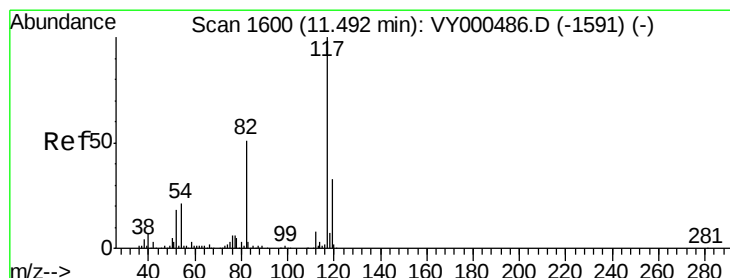
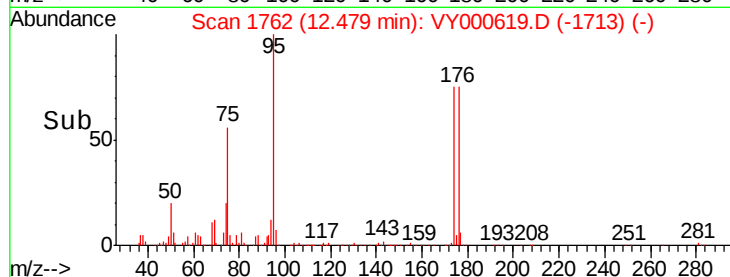
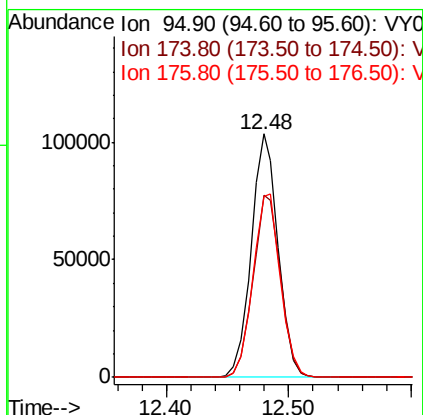
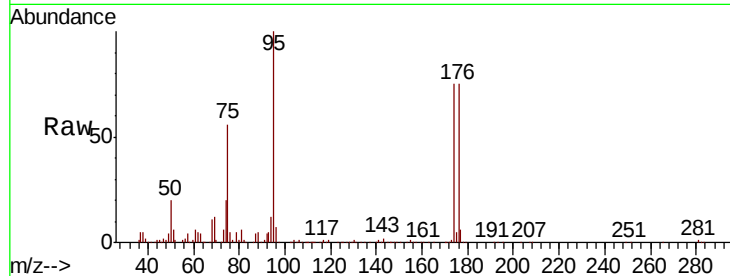




#62
4-Bromofluorobenzene
Concen: 46.553 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

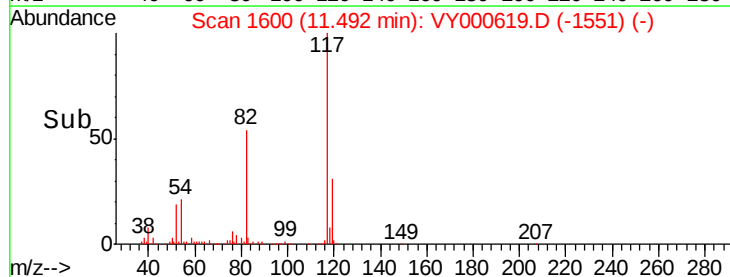
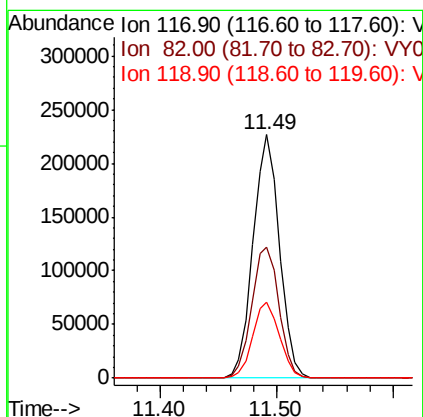
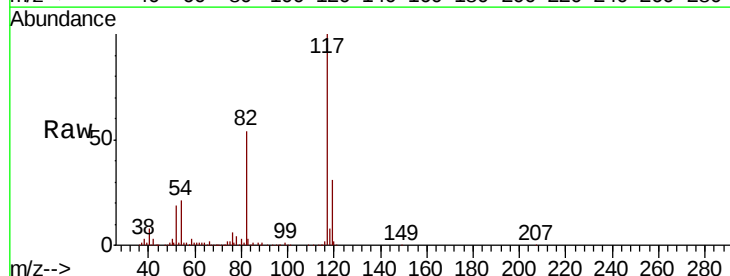
Instrument :
MSVOA_Y
ClientSampled :
3-B

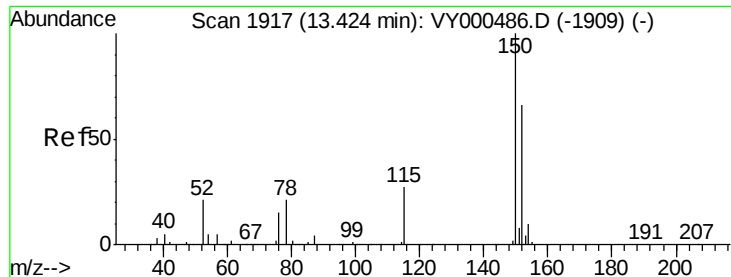
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	161.6
176	77.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000619.D
Acq: 08 Nov 2019 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	40.8	61.2
119	31.2	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: VY000619.D

Acq: 08 Nov 2019 15:56

Instrument :

MSVOA_Y

ClientSampled :

3-B

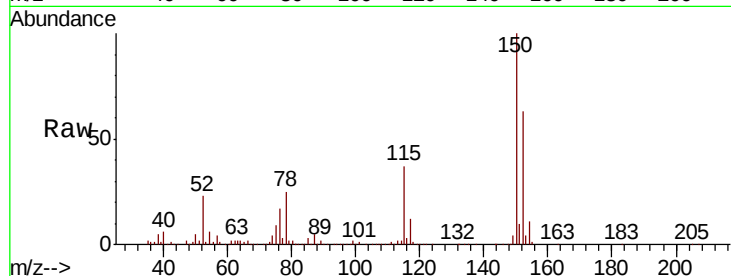
Tot Ion:152 Resp: 152374

Ion Ratio Lower Upper

152 100

115 60.5 29.1 87.4

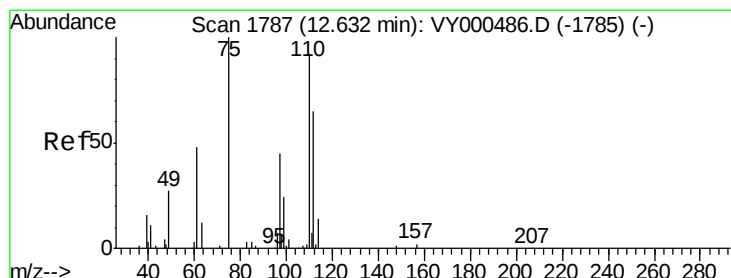
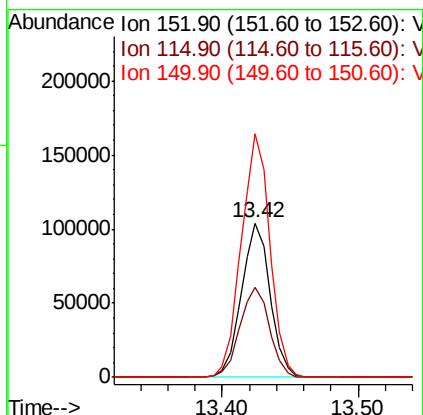
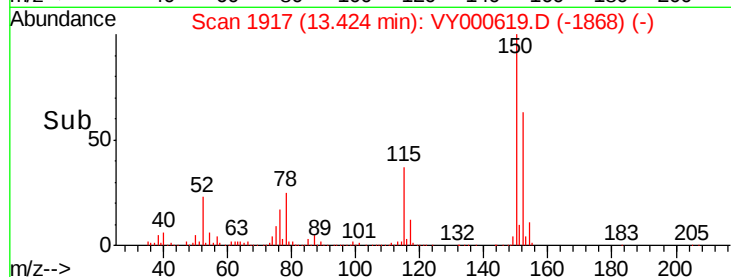
150 158.3 0.0 348.8



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: 50.166 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000619.D

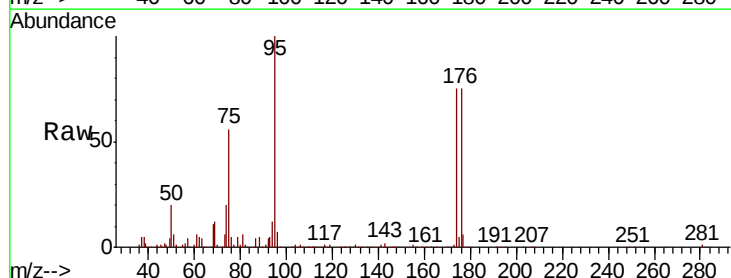
Acq: 08 Nov 2019 15:56

Tgt Ion: 75 Resp: 87038

Ion Ratio Lower Upper

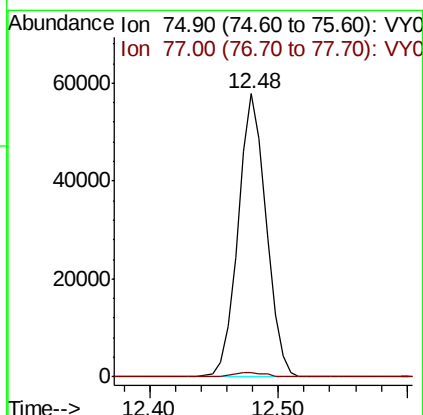
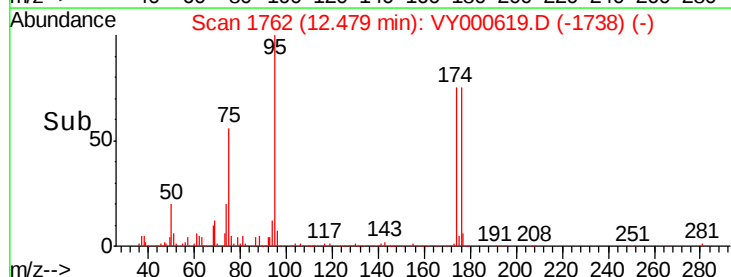
75 100

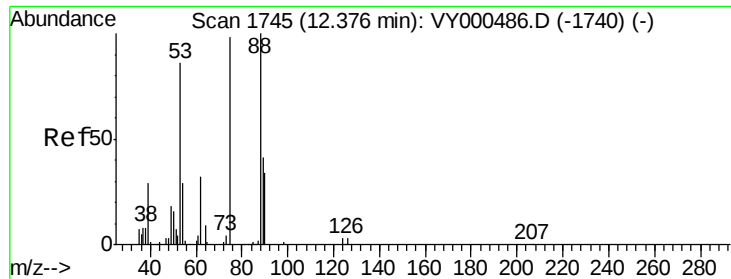
77 1.8 0.0 0.0#



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: 112.480 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000619.D

Acq: 08 Nov 2019 15:56

Instrument :

MSVOA_Y

ClientSampleId :

3-B

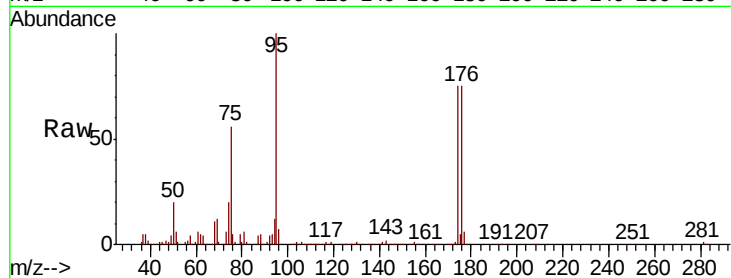
Tot Ion: 75 Resp: 87038

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

