

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000623.D
 Acq On : 08 Nov 2019 17:25
 Operator : SY/MD
 Sample : K5723-07RE
 Misc : 8.31G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8-D

Quant Time: Nov 11 04:45:54 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	221959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	402030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	340070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	130578	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	131231	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.73	113	118394	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.18	98	466329	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.48	95	142958	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	

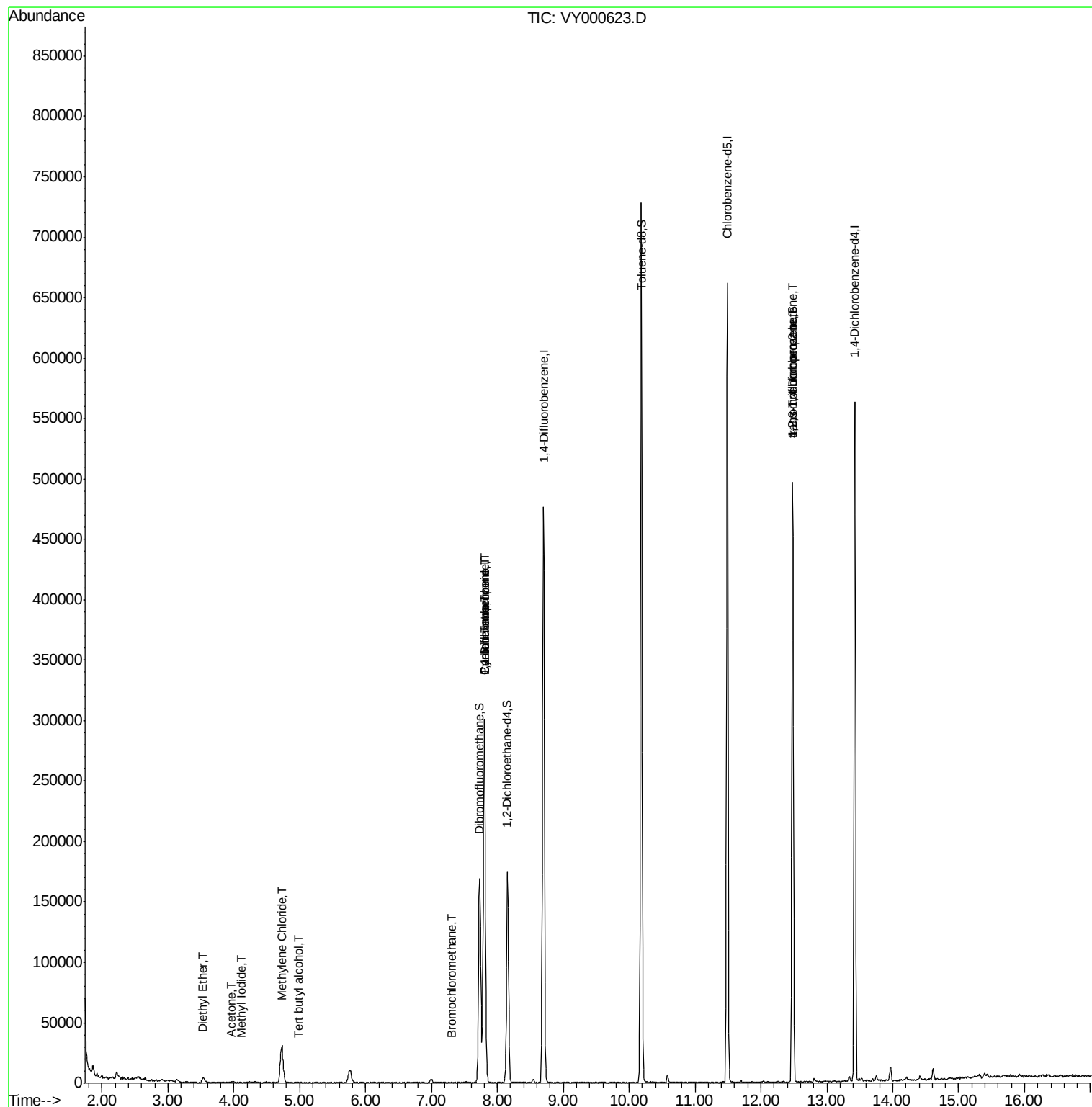
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	2608	1.944	ug/l	84
10) Methyl Iodide	4.11	142	48	3.214	ug/l #	41
11) Tert butyl alcohol	4.99	59	627	2.804	ug/l #	82
16) Acetone	3.96	43	667	1.054	ug/l #	84
20) Methylene Chloride	4.73	84	22374	8.248	ug/l	96
28) Bromochloromethane	7.30	49	24	4.104	ug/l #	14
31) Cyclohexane	7.81	56	4917	1.106	ug/l #	30
36) 1,1-Dichloropropene	7.80	75	17697	4.656	ug/l #	51
38) Carbon Tetrachloride	7.80	117	22615	6.184	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	76927	51.740	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76927	116.007	ug/l #	13

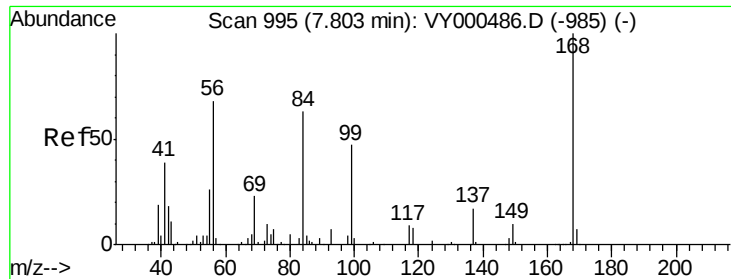
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
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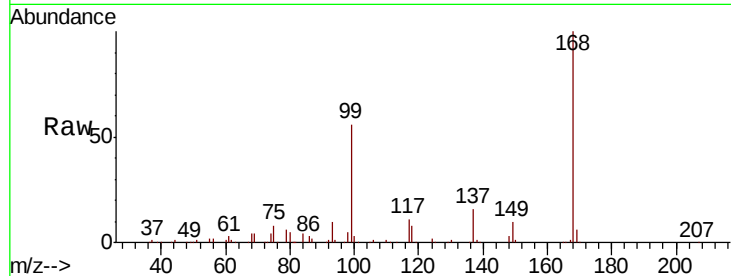


#1

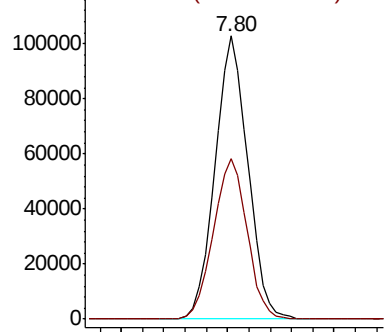
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VY000623.D
 Acq: 08 Nov 2019 17:25

Instrument :
 MSVOA_Y
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 8-D

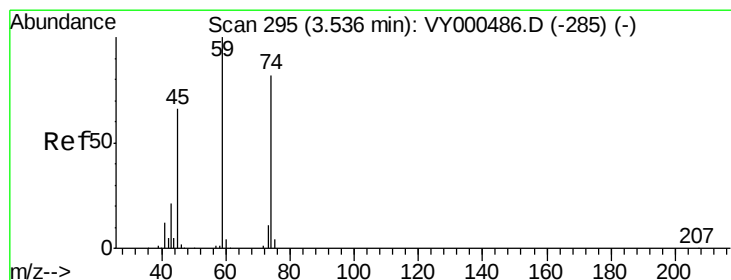
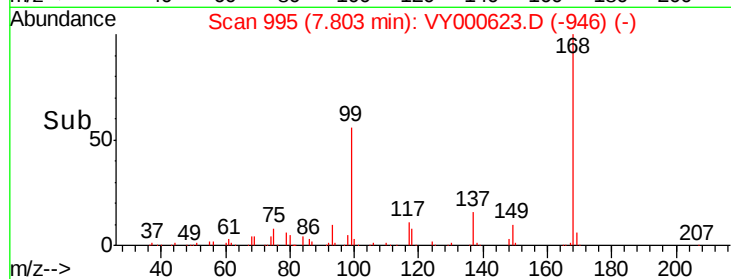
Tot Ion:168 Resp: 221959
 Ion Ratio Lower Upper
 168 100
 99 56.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)
 Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



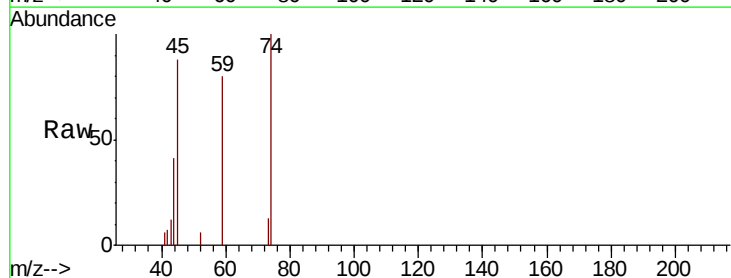
Time-->



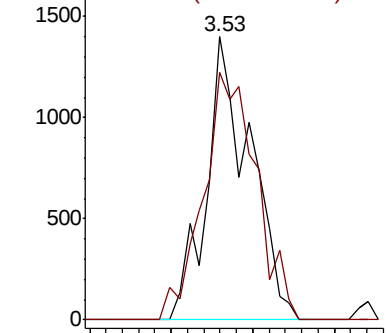
#8

Diethyl Ether
 Concen: 1.944 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000623.D
 Acq: 08 Nov 2019 17:25

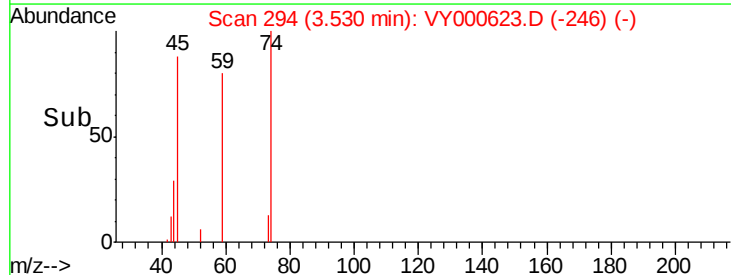
Tgt Ion: 74 Resp: 2608
 Ion Ratio Lower Upper
 74 100
 45 105.9 45.5 136.4

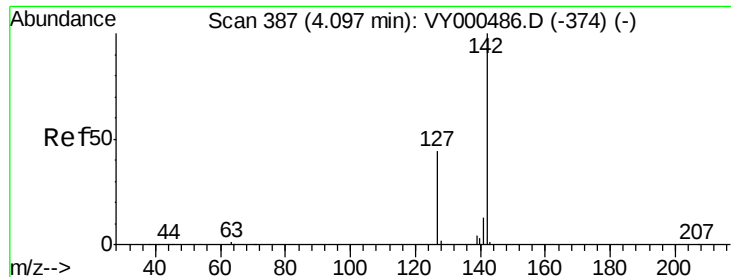


Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)
 Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)



Time-->

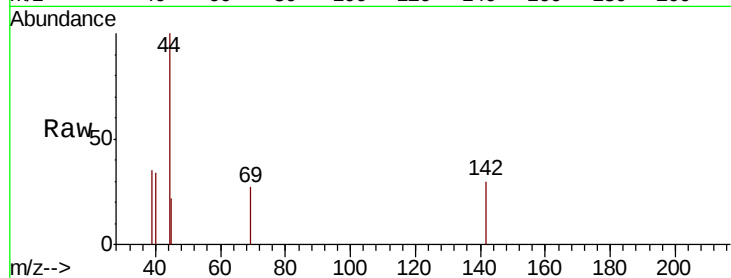




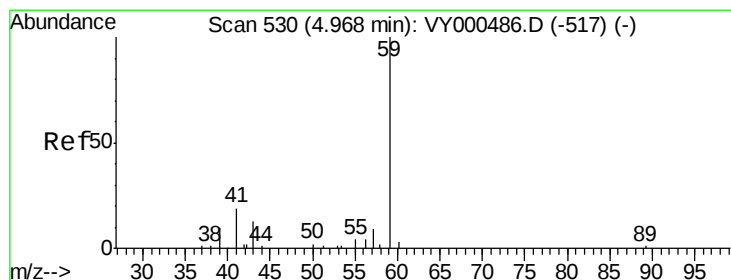
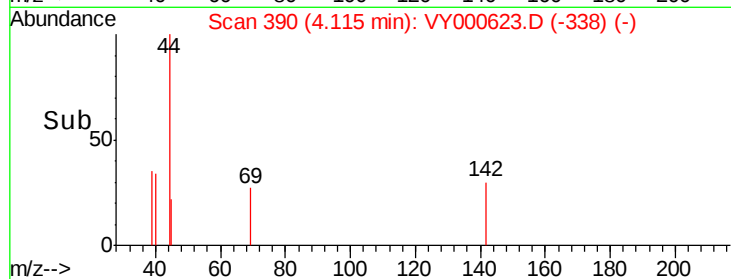
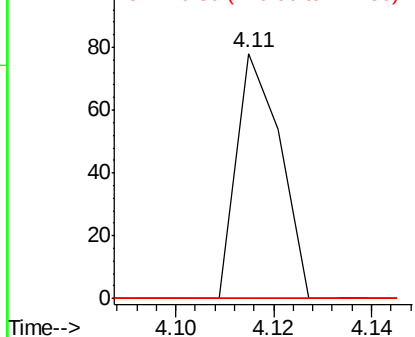
#10
Methyl Iodide
Concen: 3.214 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000623.D
Acq: 08 Nov 2019 17:25

Instrument :
MSVOA_Y
ClientSampled :
8-D

Tot Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

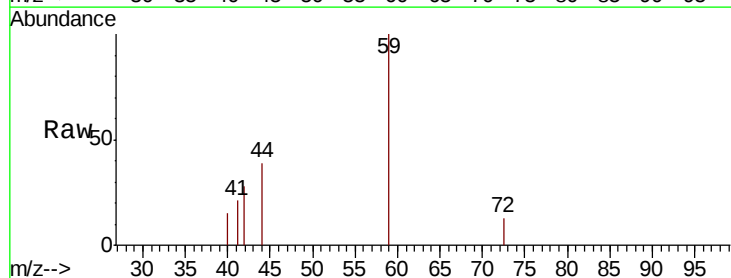


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

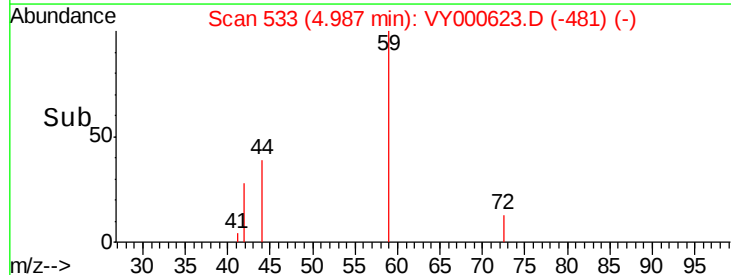
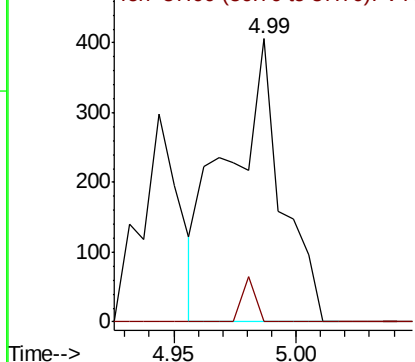


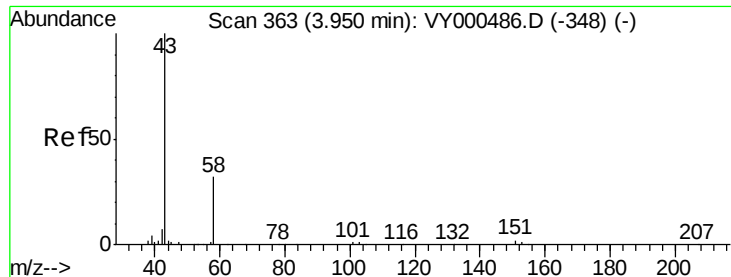
#11
Tert butyl alcohol
Concen: 2.804 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.02 min
Lab File: VY000623.D
Acq: 08 Nov 2019 17:25

Tgt Ion: 59 Resp: 627
Ion Ratio Lower Upper
59 100
57 3.8 8.6 12.8#



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





#16

Acetone

Concen: 1.054 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

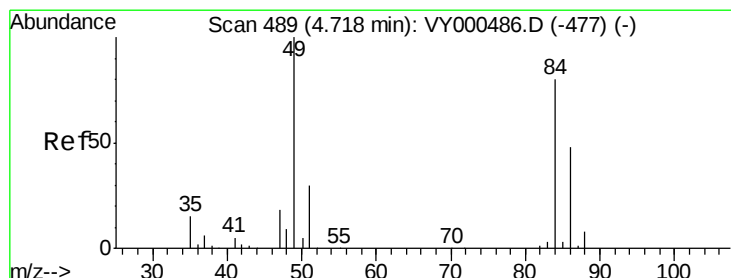
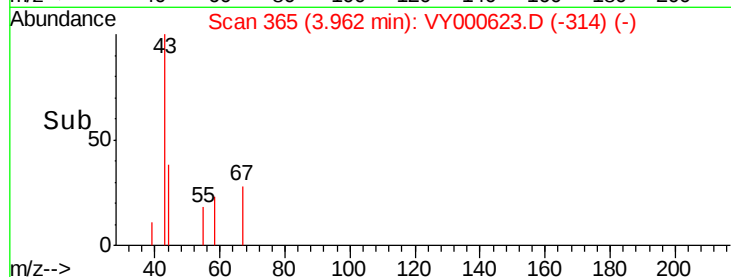
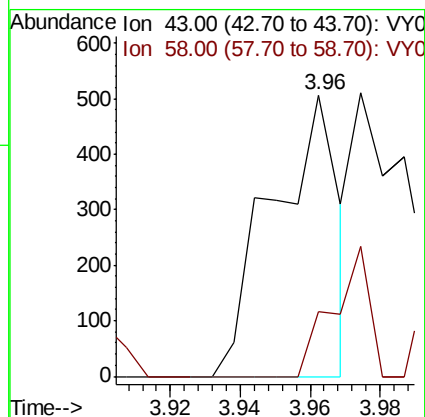
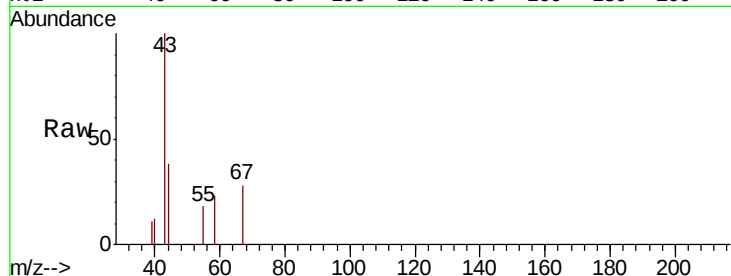
8-D

Tot Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

58 23.1 25.8 38.6#



#20

Methylene Chloride

Concen: 8.248 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Tgt Ion: 84 Resp: 22374

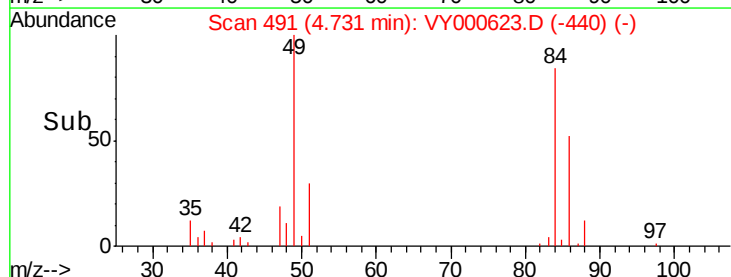
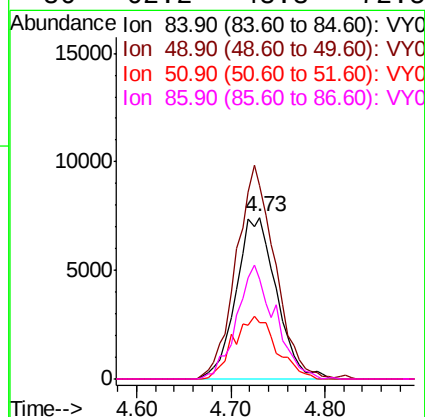
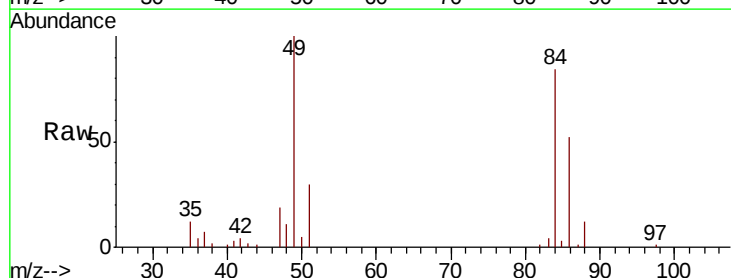
Ion Ratio Lower Upper

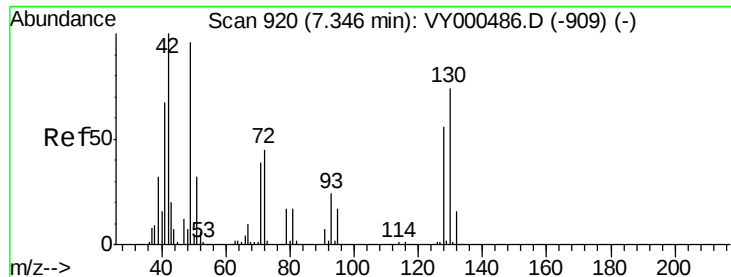
84 100

49 119.4 100.2 150.4

51 35.2 29.6 44.4

86 62.2 48.3 72.5





#28

Bromochloromethane

Concen: 4.104 ug/l

RT: 7.30 min Scan# 913

Delta R.T. -0.04 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

8-D

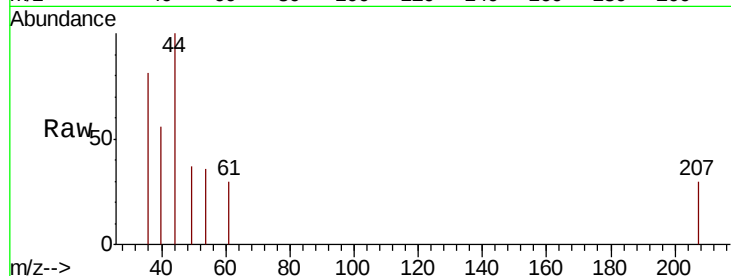
Tot Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

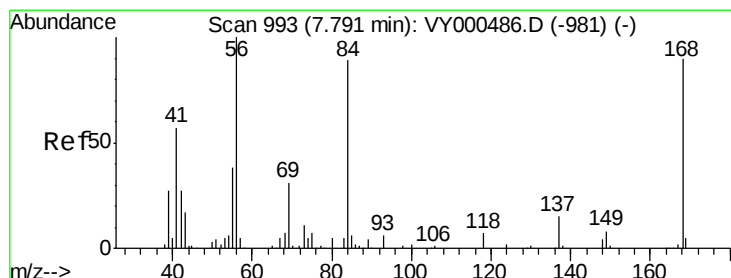
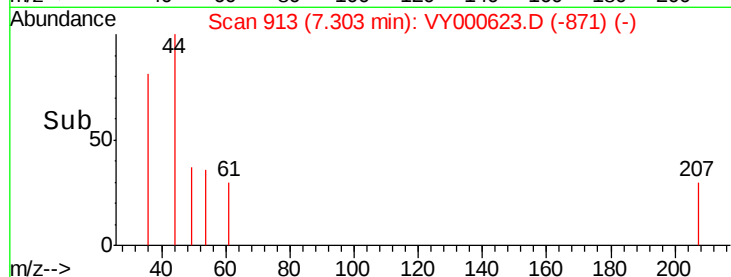
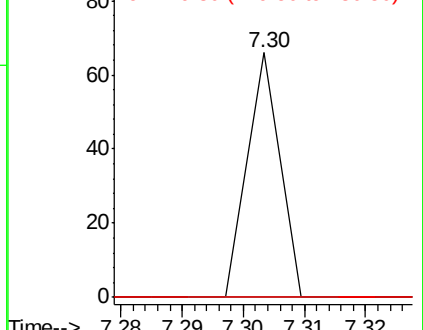
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.02 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

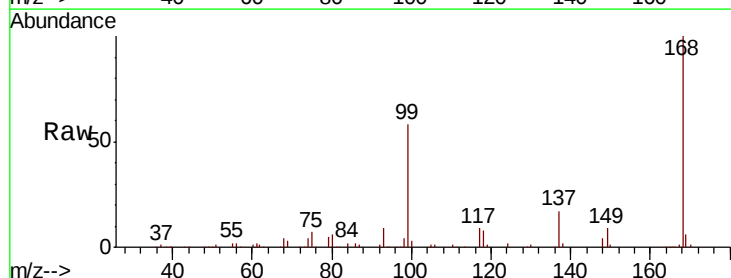
Tgt Ion: 56 Resp: 4917

Ion Ratio Lower Upper

56 100

69 144.0 25.0 37.6#

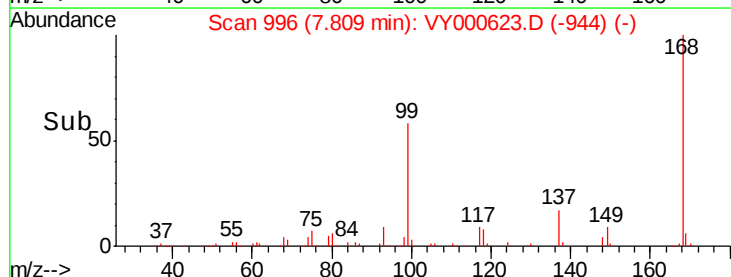
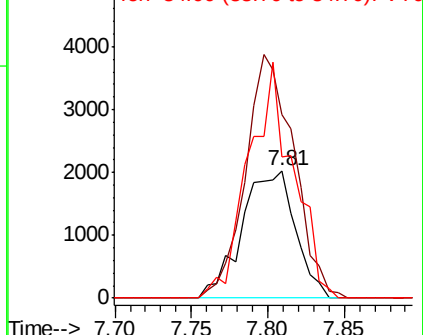
84 111.2 71.4 107.2#

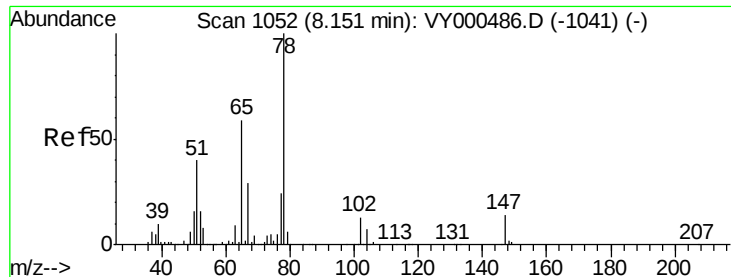


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 57.132 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

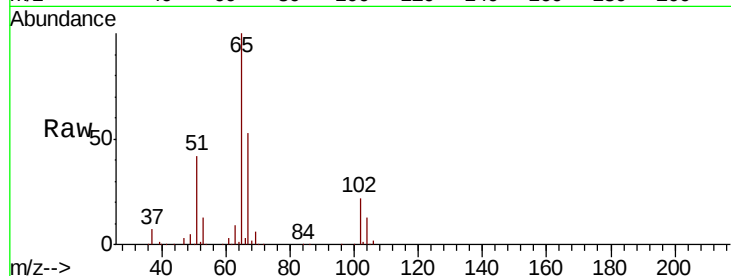
8-D

Tot Ion: 65 Resp: 131231

Ion Ratio Lower Upper

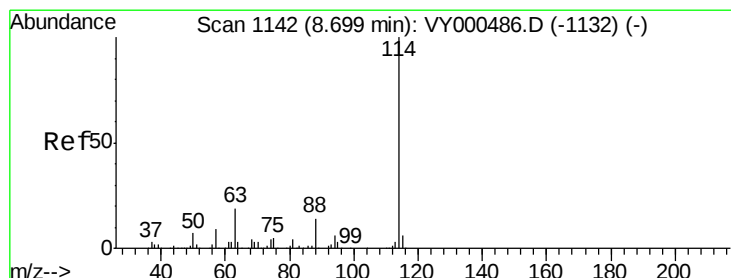
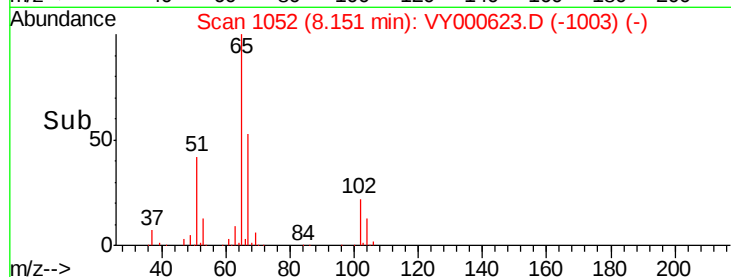
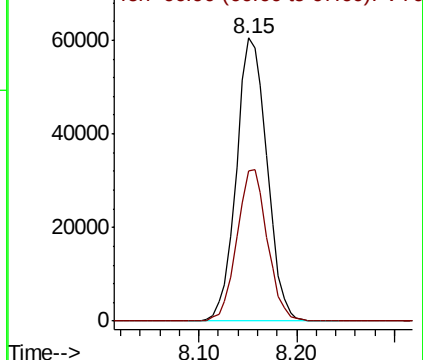
65 100

67 53.1 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: VY000623.D

Acq: 08 Nov 2019 17:25

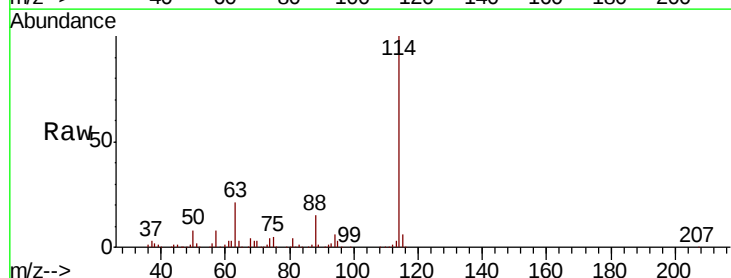
Tgt Ion: 114 Resp: 402030

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

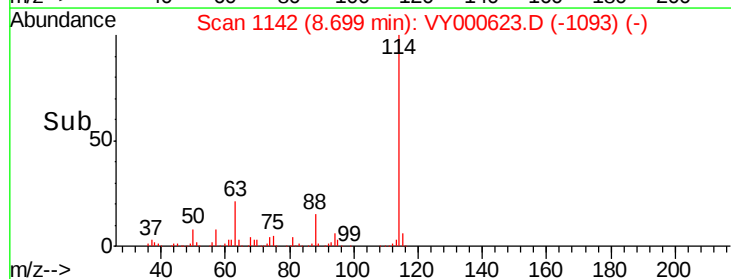
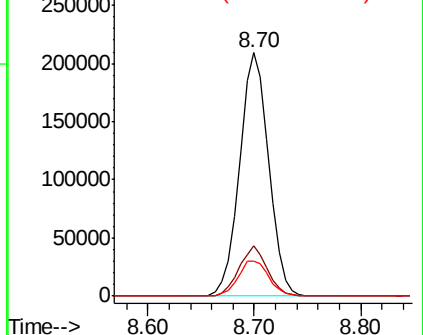
88 14.6 0.0 28.6

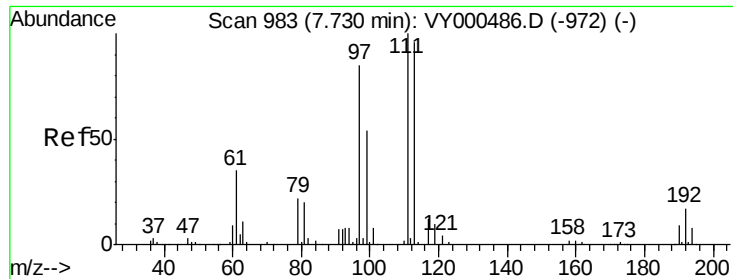


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

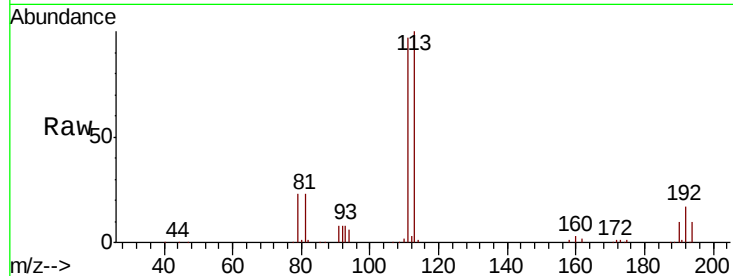




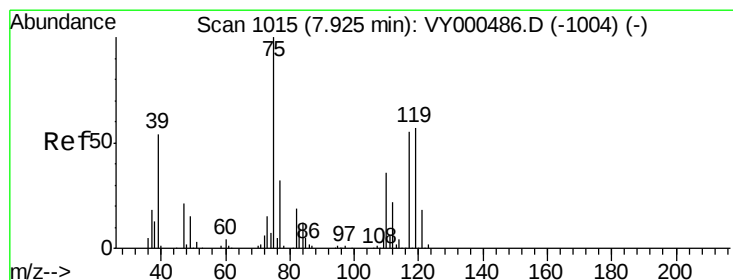
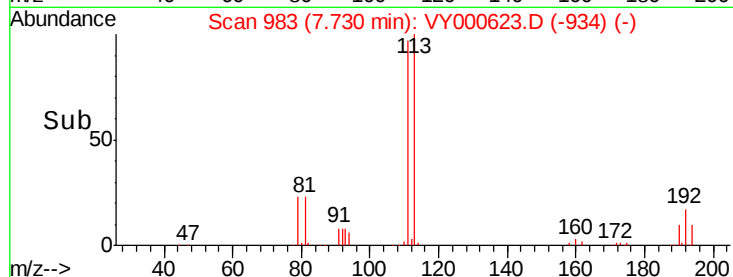
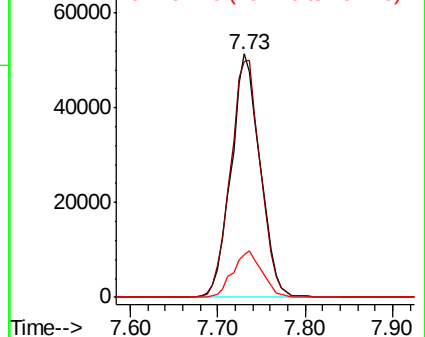
#35
 Dibromofluoromethane
 Concen: 50.163 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000623.D
 Acq: 08 Nov 2019 17:25

Instrument :
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 ClientSampleId :
 8-D

Tot Ion:113 Resp: 118394
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 19.0 15.0 22.4

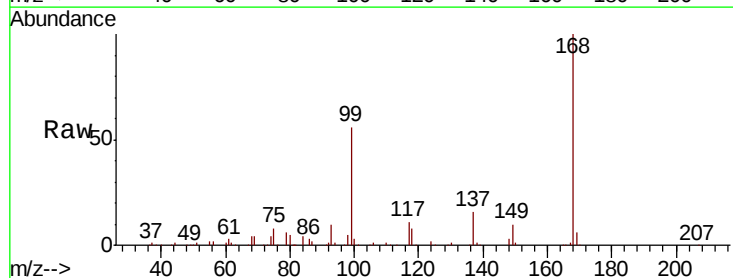


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

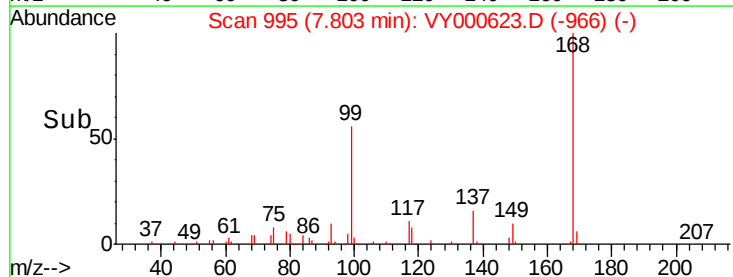
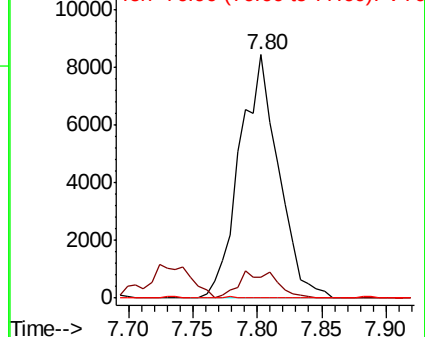


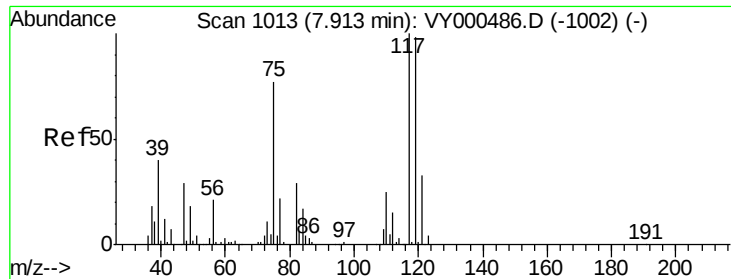
#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000623.D
 Acq: 08 Nov 2019 17:25

Tgt Ion: 75 Resp: 17697
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.1 54.1#
 77 0.0 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: 6.184 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

8-D

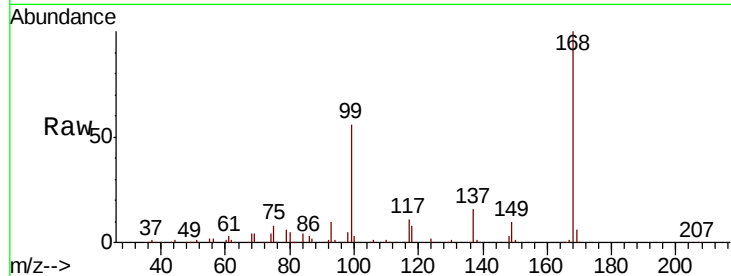
Tot Ion:117 Resp: 22615

Ion Ratio Lower Upper

117 100

119 1.7 78.0 117.0#

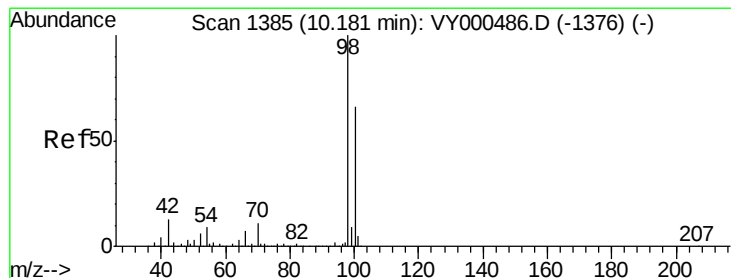
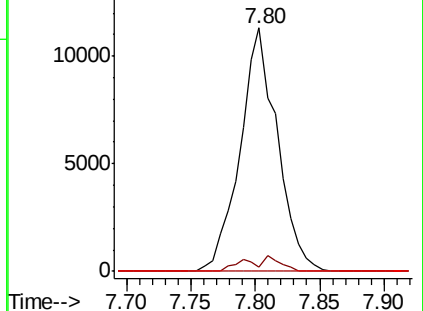
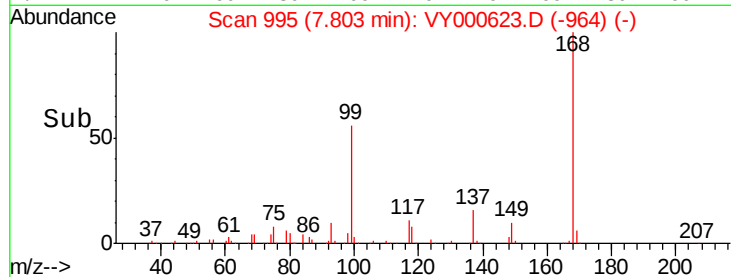
121 0.0 26.6 40.0#



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: 52.071 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000623.D

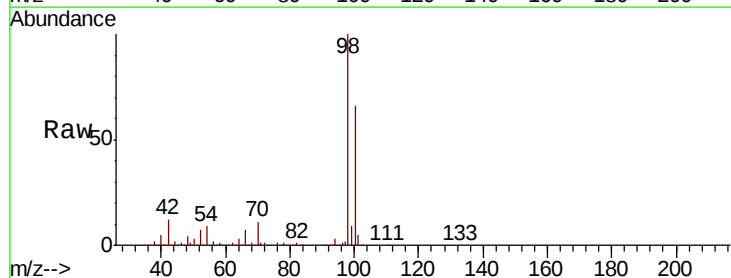
Acq: 08 Nov 2019 17:25

Tgt Ion: 98 Resp: 466329

Ion Ratio Lower Upper

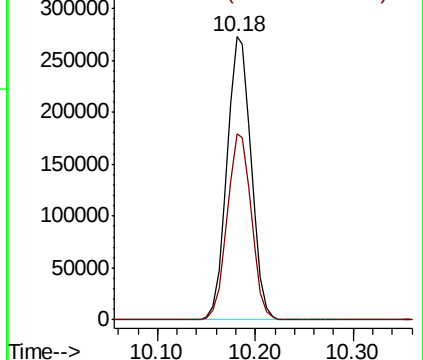
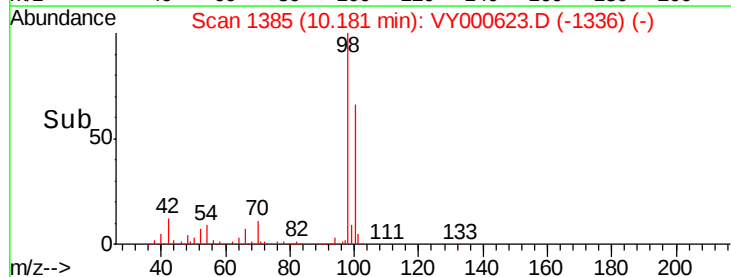
98 100

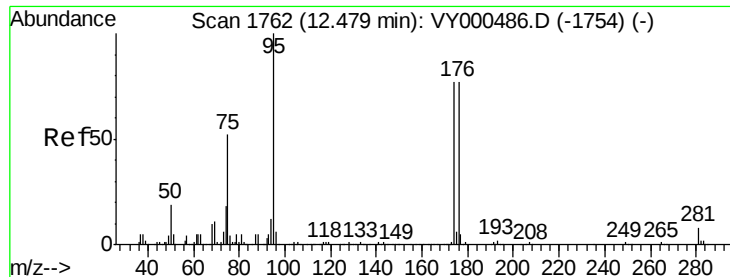
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

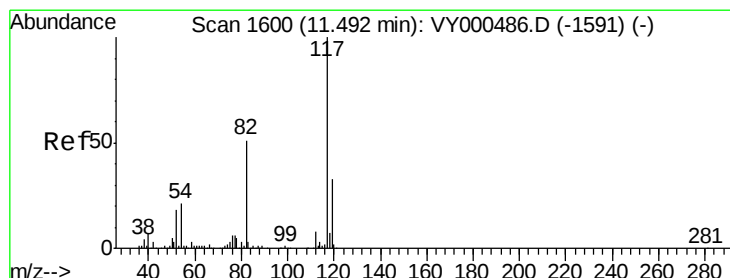
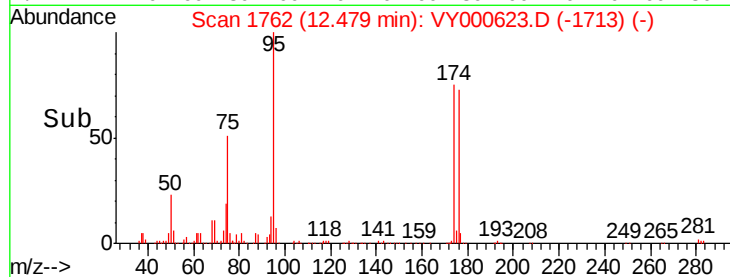
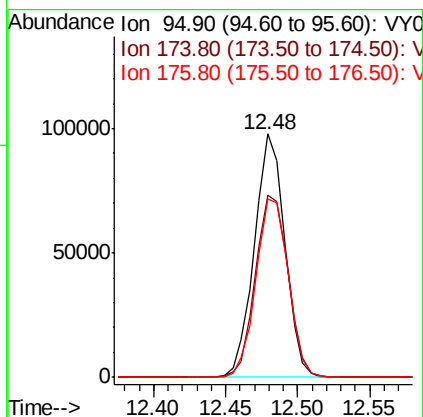
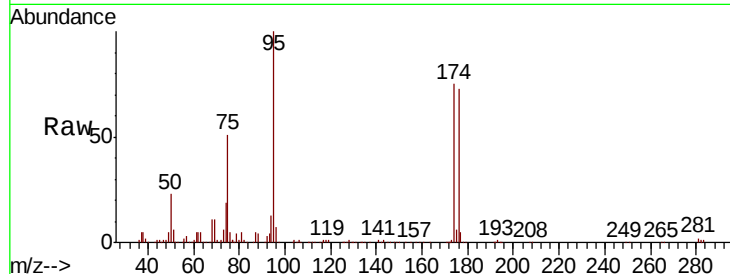




#62
4-Bromofluorobenzene
Concen: 41.931 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000623.D
Acq: 08 Nov 2019 17:25

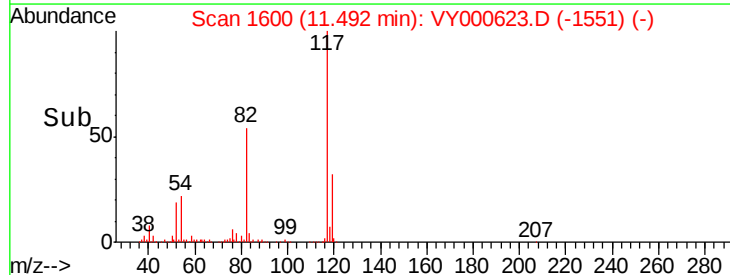
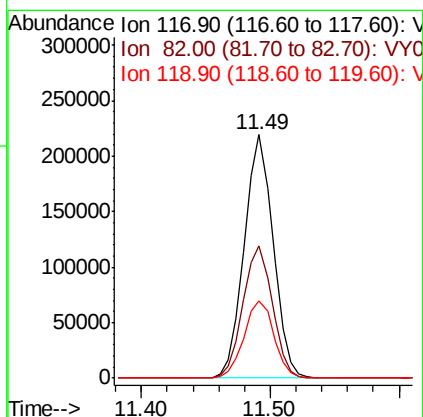
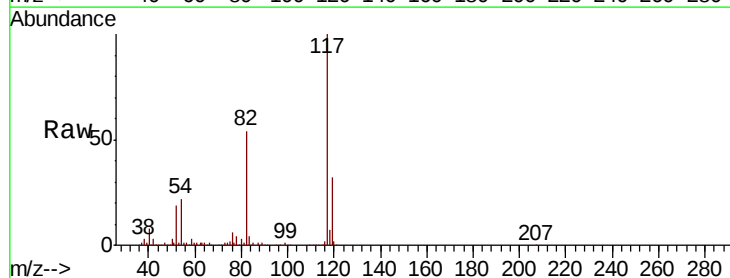
Instrument :
MSVOA_Y
ClientSampleId :
8-D

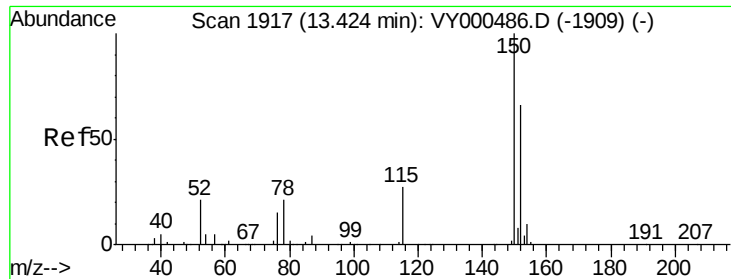
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	161.6
176	77.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000623.D
Acq: 08 Nov 2019 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	40.8	61.2
119	31.9	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: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

8-D

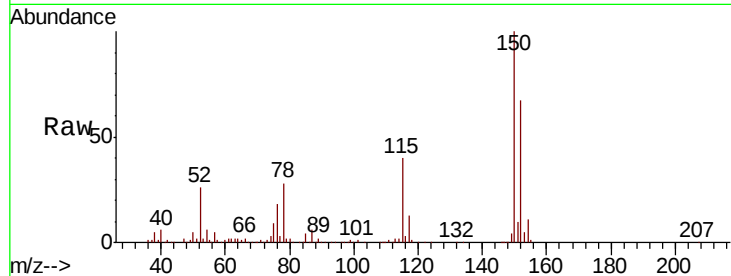
Tot Ion:152 Resp: 130578

Ion Ratio Lower Upper

152 100

115 60.0 29.1 87.4

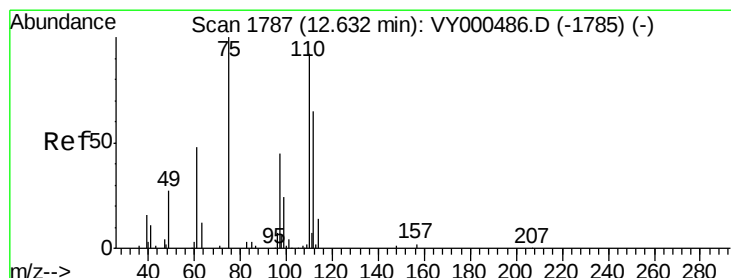
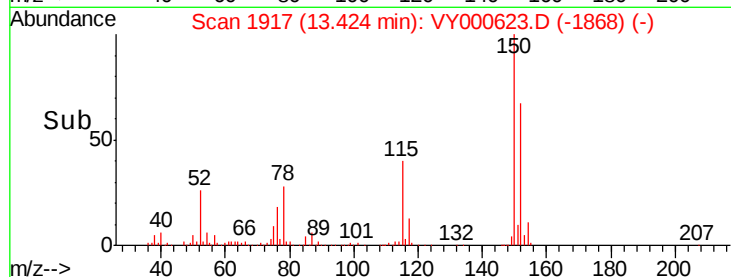
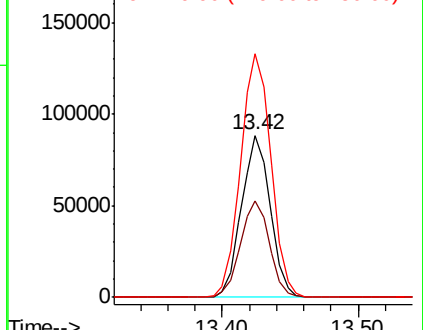
150 158.4 0.0 348.8



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: 51.740 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000623.D

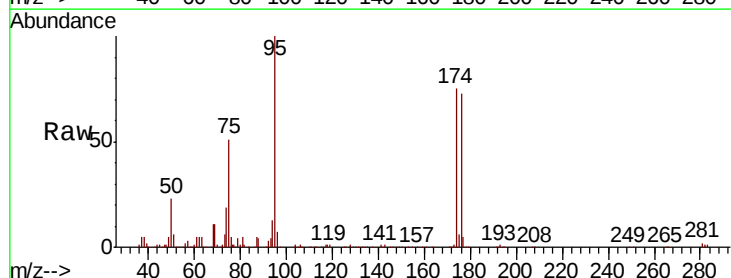
Acq: 08 Nov 2019 17:25

Tgt Ion: 75 Resp: 76927

Ion Ratio Lower Upper

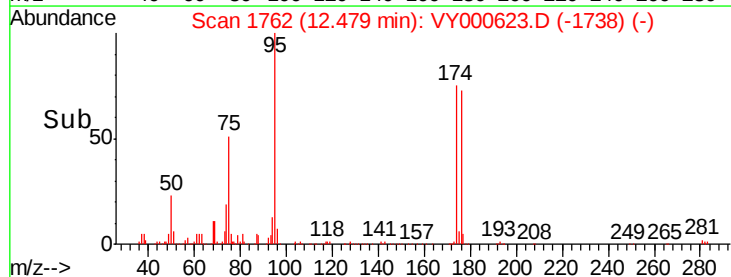
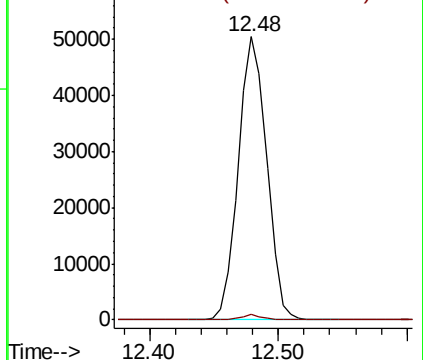
75 100

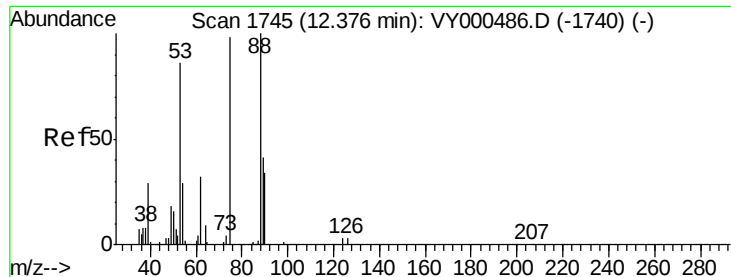
77 1.4 0.0 0.0#



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: 116.007 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000623.D

Acq: 08 Nov 2019 17:25

Instrument :

MSVOA_Y

ClientSampleId :

8-D

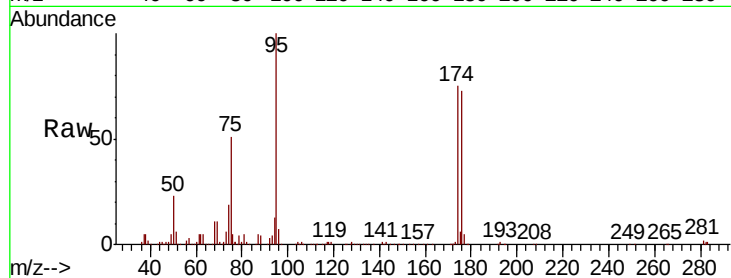
Tot Ion: 75 Resp: 76927

Ion Ratio Lower Upper

75 100

53 0.1 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

