

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000621.D
 Acq On : 08 Nov 2019 16:41
 Operator : SY/MD
 Sample : K5722-20
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-D

Quant Time: Nov 11 04:45:34 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	224513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	410886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	364545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	159681	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	134116	57.72	ug/l	0.00
Spiked Amount			Recovery	=	115.44%	
35) Dibromofluoromethane	7.73	113	120294	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	10.18	98	479237	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.48	95	161832	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

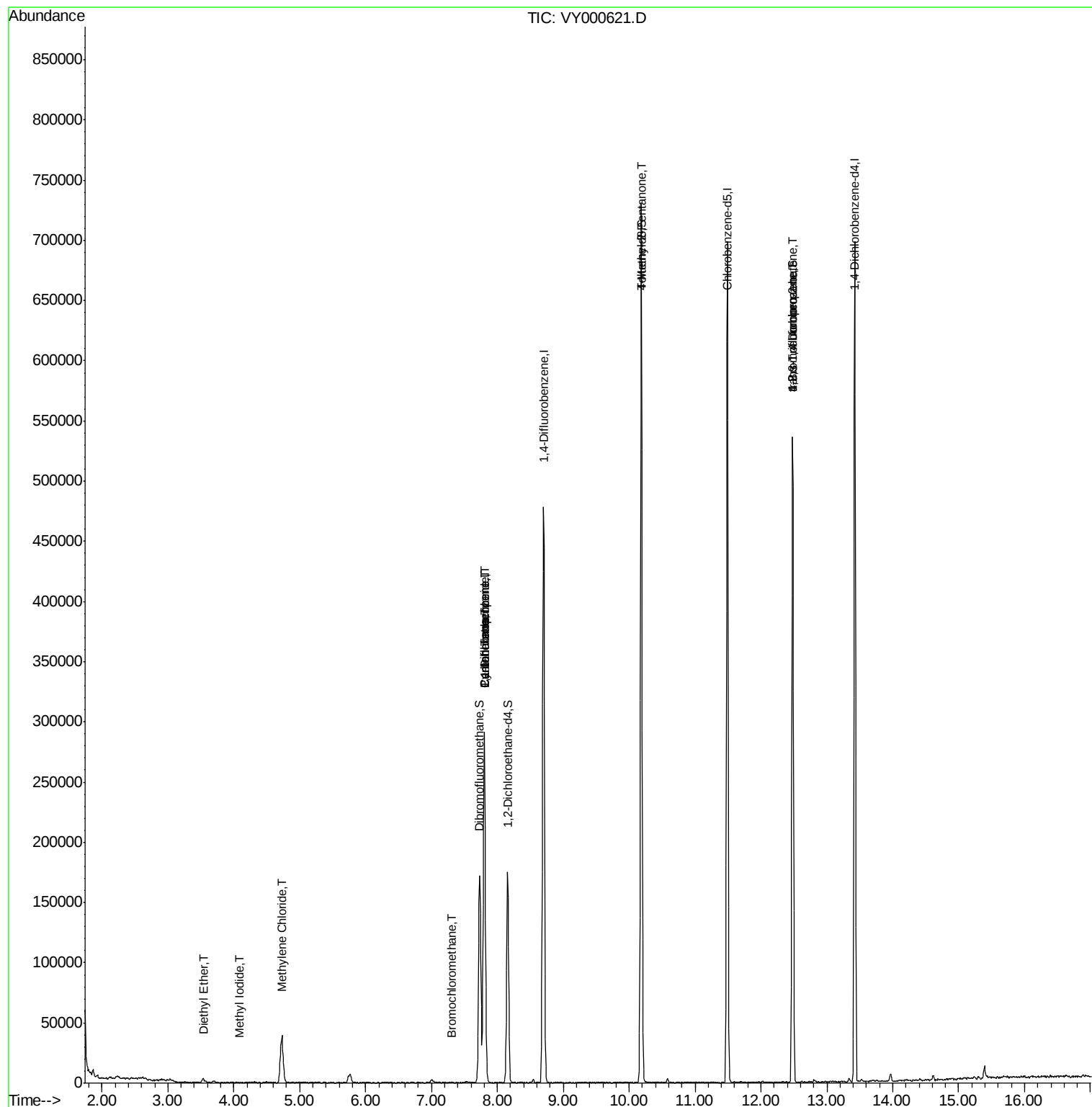
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1792	1.321	ug/l	62
10) Methyl Iodide	4.09	142	162	3.249	ug/l #	41
20) Methylene Chloride	4.72	84	28089	10.237	ug/l	95
28) Bromochloromethane	7.31	49	48	4.115	ug/l #	14
31) Cyclohexane	7.80	56	5253	1.168	ug/l #	50
36) 1,1-Dichloropropene	7.80	75	18948	4.878	ug/l #	50
38) Carbon Tetrachloride	7.80	117	23082	6.176	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	2629	1.141	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	86829	47.756	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86829	107.075	ug/l #	13

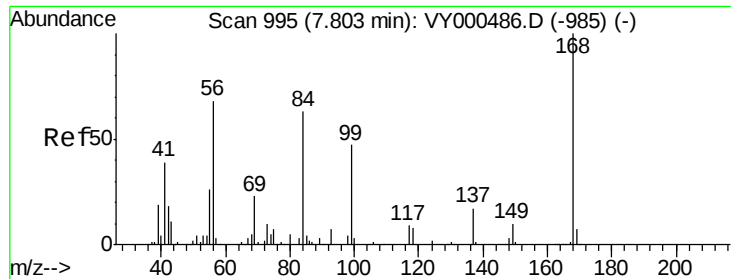
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000621.D

Acq: 08 Nov 2019 16:41

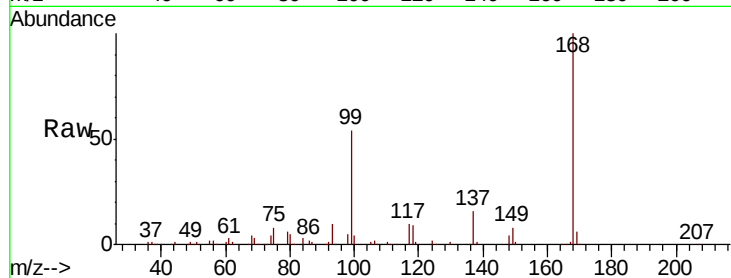
Instrument :
MSVOA_Y
ClientSampleId :
3-D

Tot Ion:168 Resp: 224513

Ion Ratio Lower Upper

168 100

99 54.3 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) (-)

7.80

100000

80000

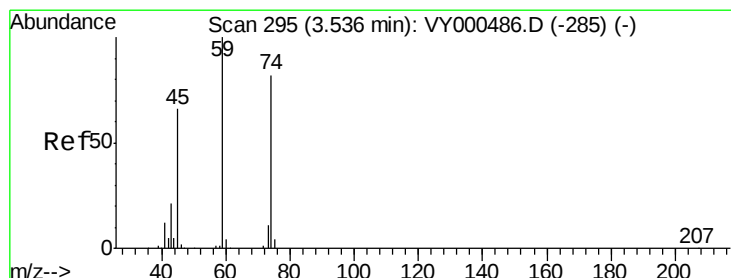
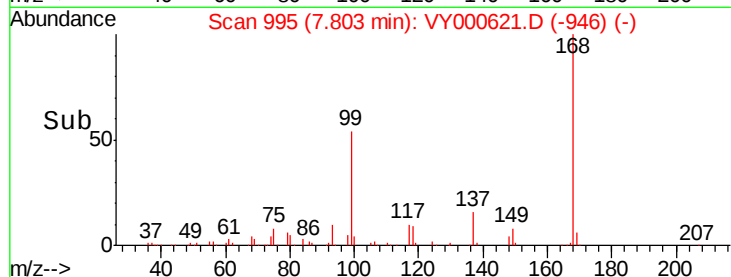
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.321 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VY000621.D

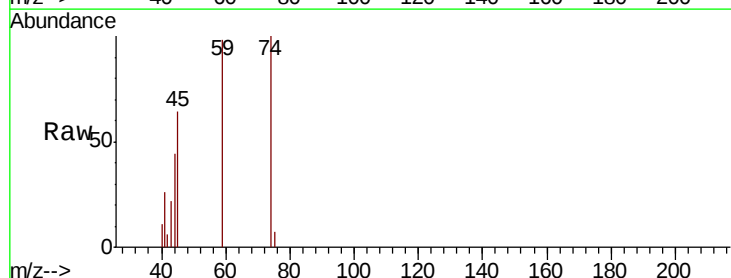
Acq: 08 Nov 2019 16:41

Tgt Ion: 74 Resp: 1792

Ion Ratio Lower Upper

74 100

45 126.5 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

1200

1000

800

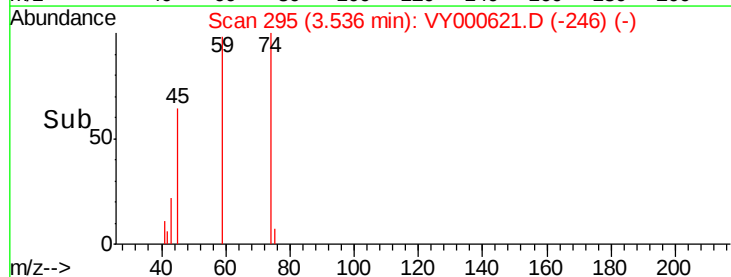
600

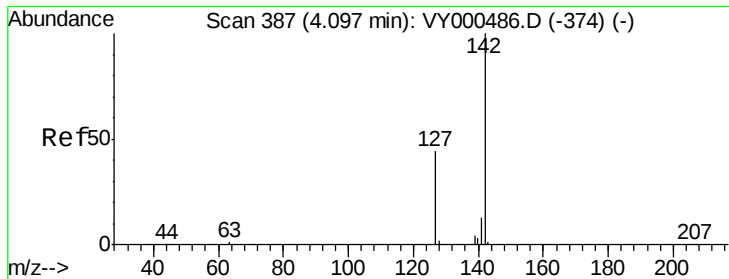
400

200

0

Time-->





#10

Methyl Iodide

Concen: 3.249 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

3-D

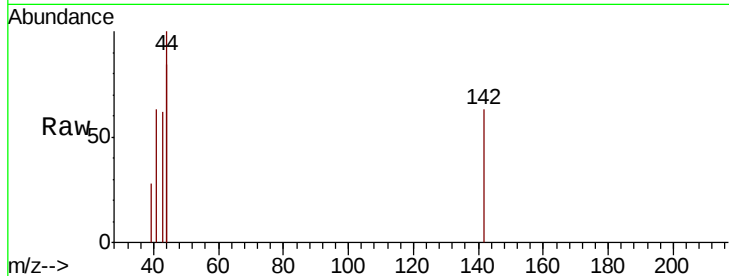
Tot Ion:142 Resp: 162

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

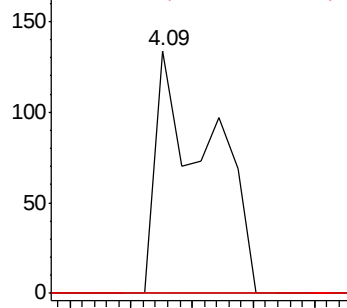
141 0.0 10.9 16.3#



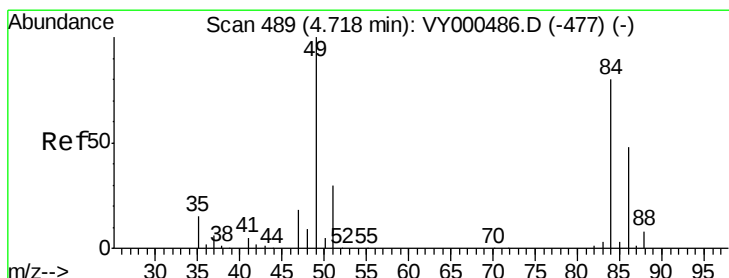
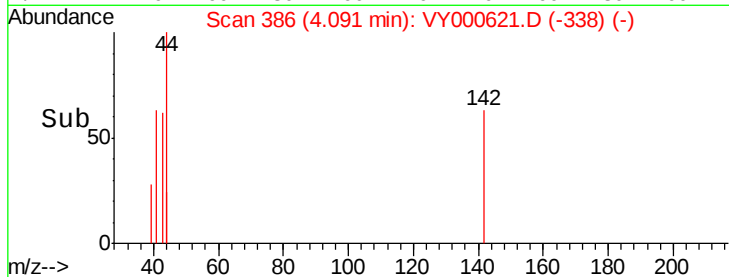
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#20

Methylene Chloride

Concen: 10.237 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Tgt Ion: 84 Resp: 28089

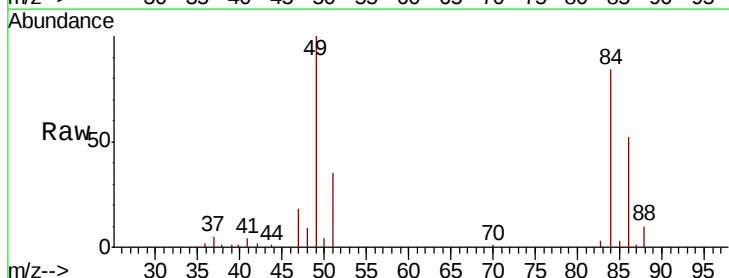
Ion Ratio Lower Upper

84 100

49 119.0 100.2 150.4

51 41.9 29.6 44.4

86 61.3 48.3 72.5

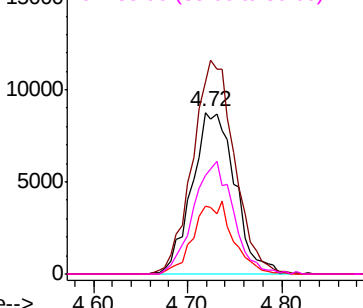


Abundance Ion 83.90 (83.60 to 84.60): VY0

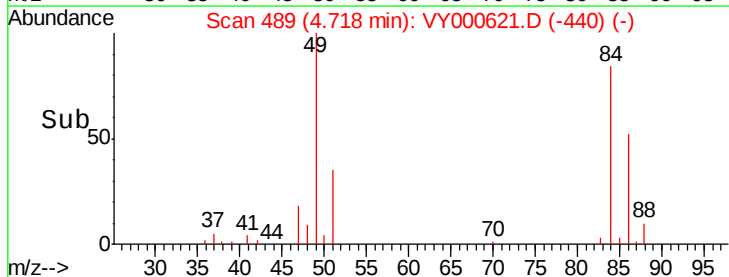
Ion 48.90 (48.60 to 49.60): VY0

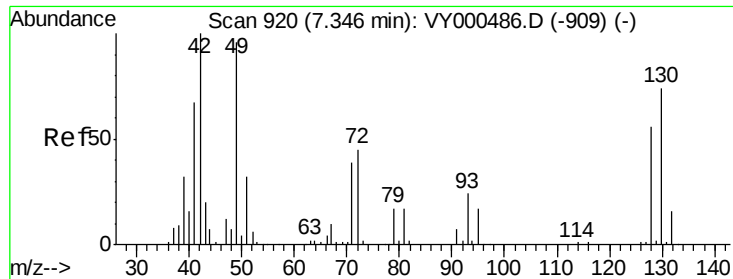
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#28

Bromochloromethane

Concen: 4.115 ug/l

RT: 7.31 min Scan# 914

Delta R.T. -0.04 min

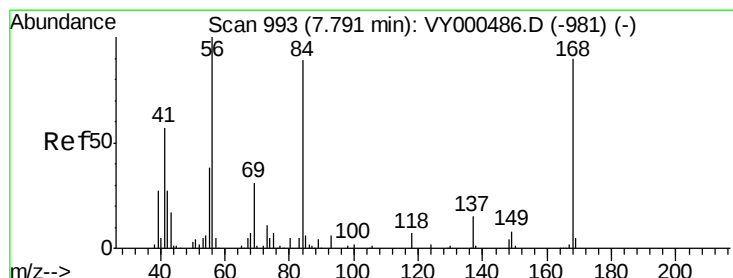
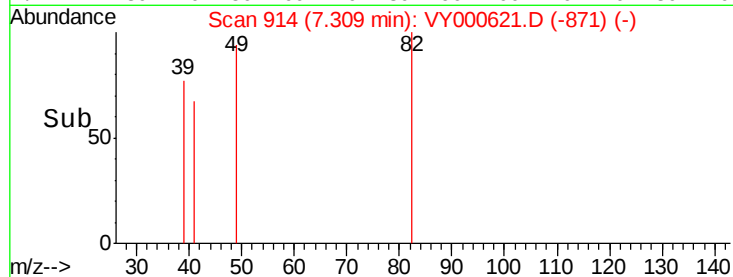
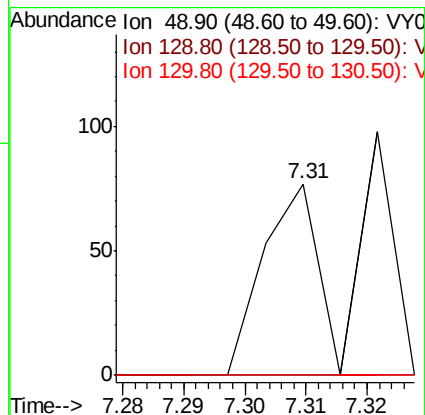
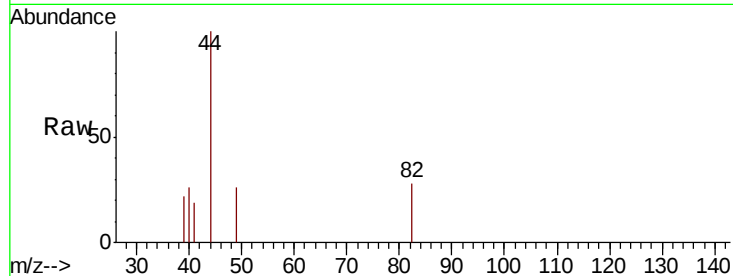
Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Instrument :
MSVOA_Y
ClientSampled :
3-D

Tot Ion: 49 Resp: 48

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



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.80 min Scan# 994

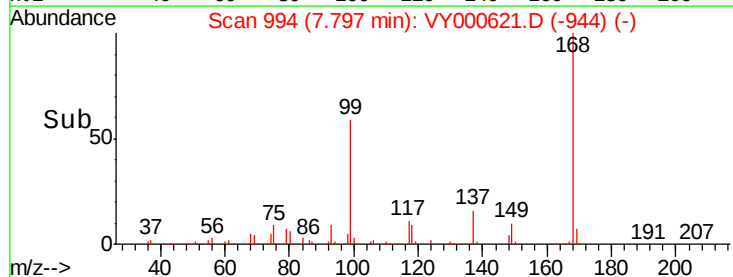
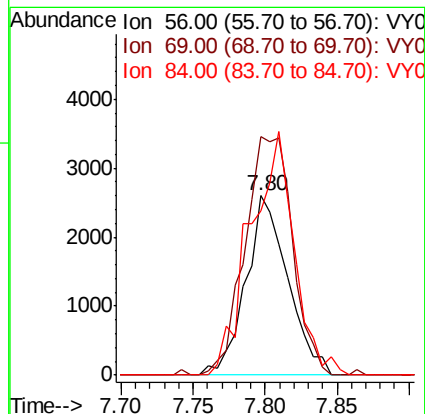
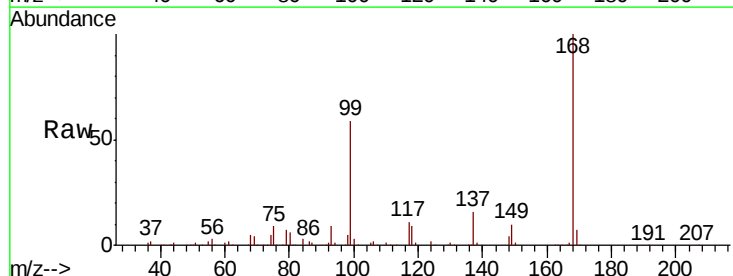
Delta R.T. 0.01 min

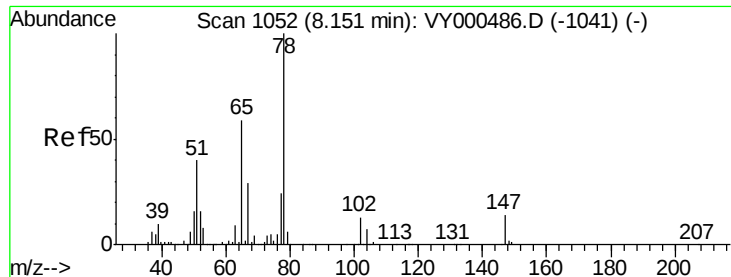
Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Tgt Ion: 56 Resp: 5253

Ion	Ratio	Lower	Upper
56	100		
69	132.6	25.0	37.6#
84	91.9	71.4	107.2

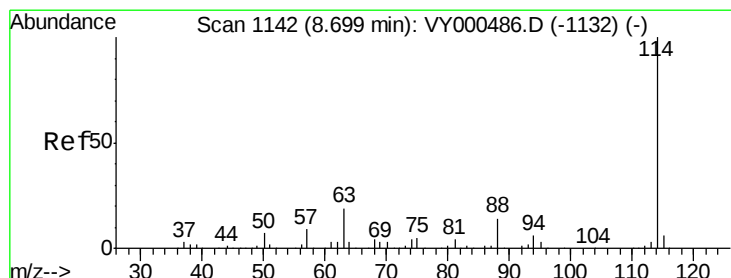
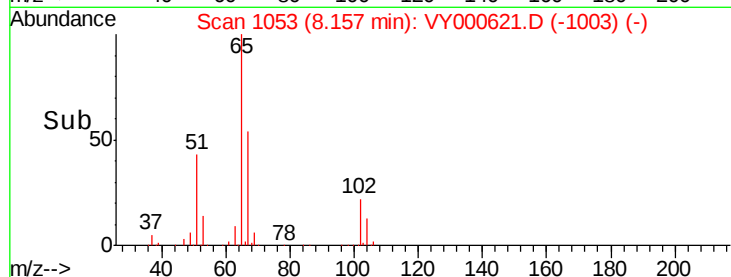
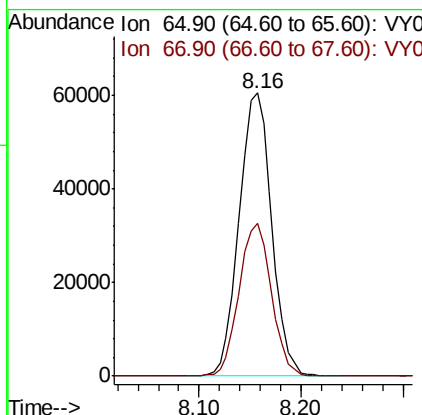
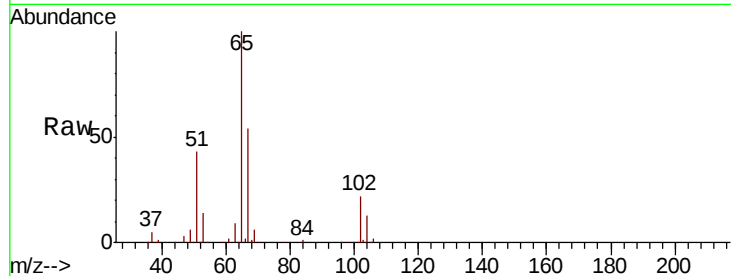




#33
 1,2-Dichloroethane-d4
 Concen: 57.724 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000621.D
 Acq: 08 Nov 2019 16:41

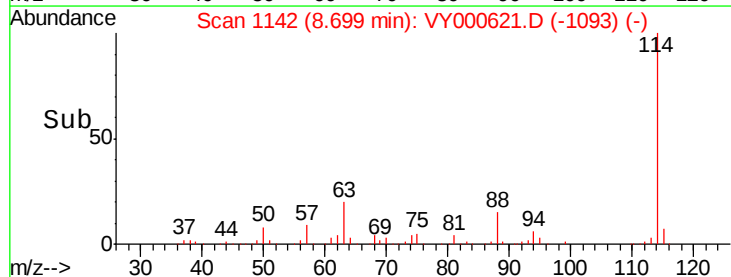
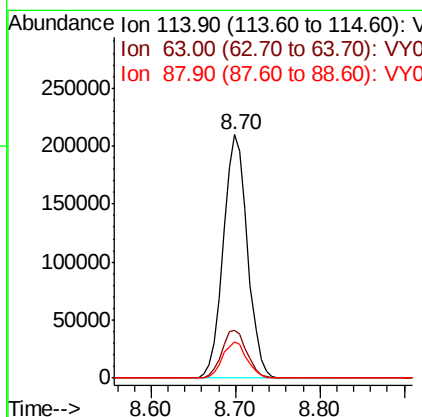
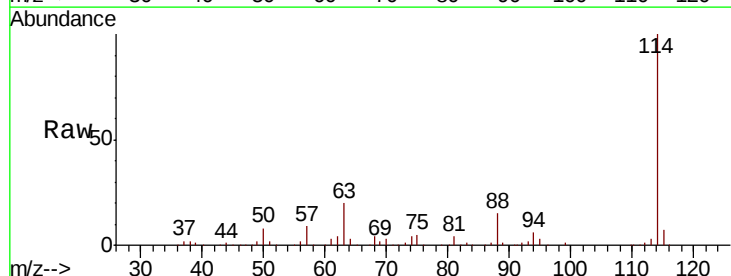
Instrument :
 MSVOA_Y
 ClientSampleId :
 3-D

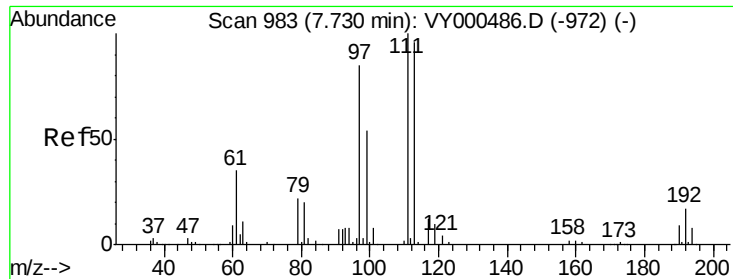
Tot Ion: 65 Resp: 134116
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000621.D
 Acq: 08 Nov 2019 16:41

Tgt Ion: 114 Resp: 410886
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 14.7 0.0 28.6

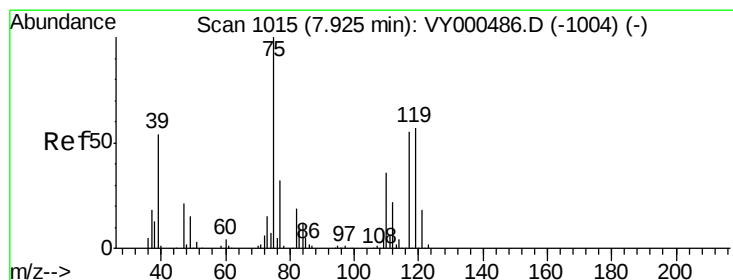
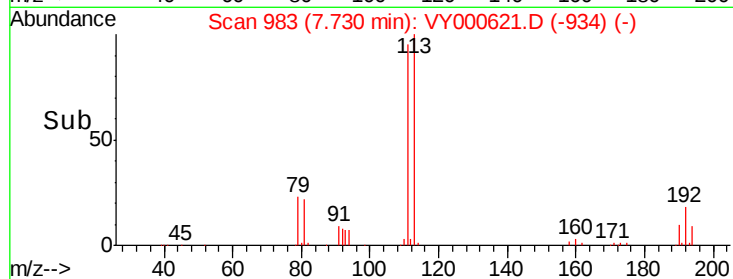
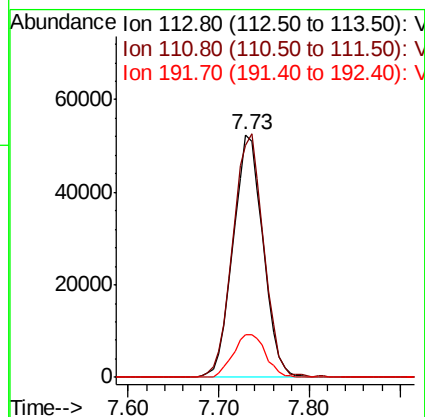
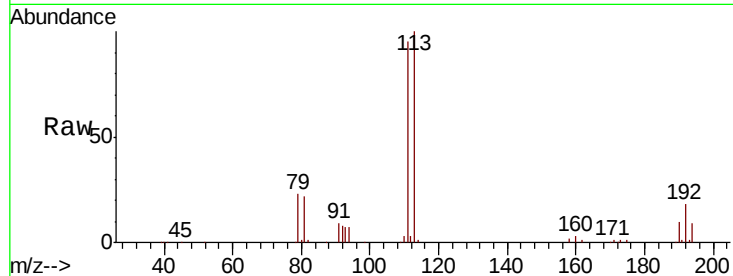




#35
 Dibromofluoromethane
 Concen: 49.870 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000621.D
 Acq: 08 Nov 2019 16:41

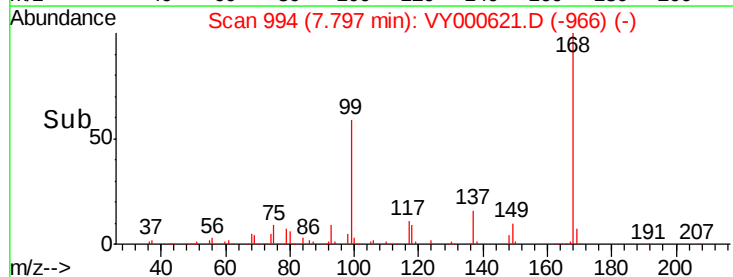
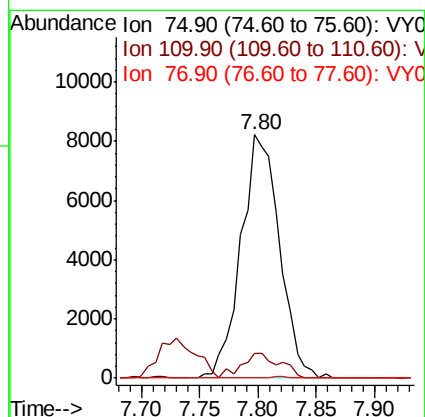
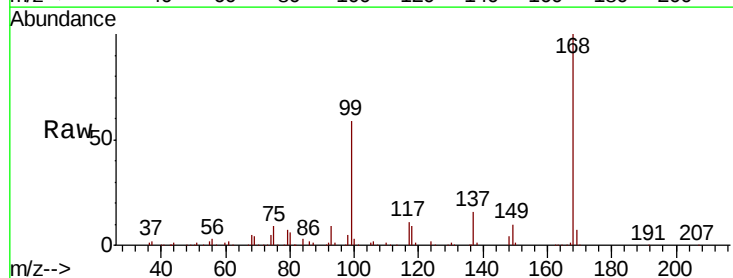
Instrument :
 MSVOA_Y
 ClientSampleId :
 3-D

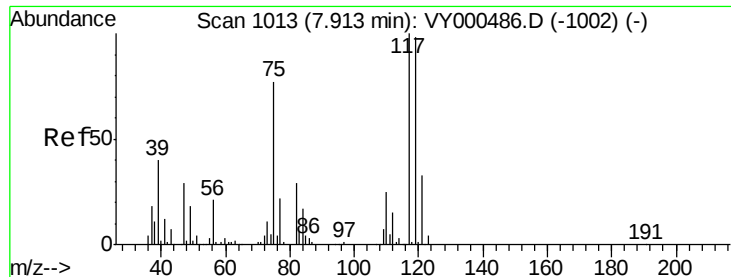
Tot Ion:113 Resp: 120294
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 19.0 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000621.D
 Acq: 08 Nov 2019 16:41

Tgt Ion: 75 Resp: 18948
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.1 54.1#
 77 0.0 25.0 37.6#

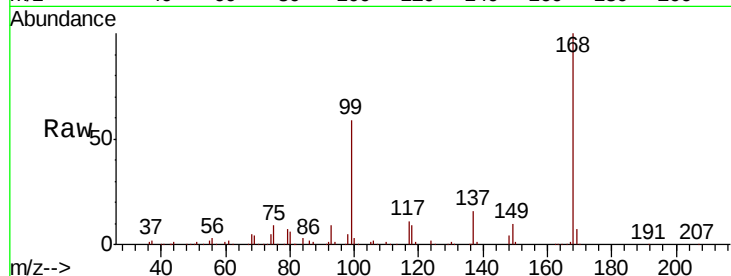




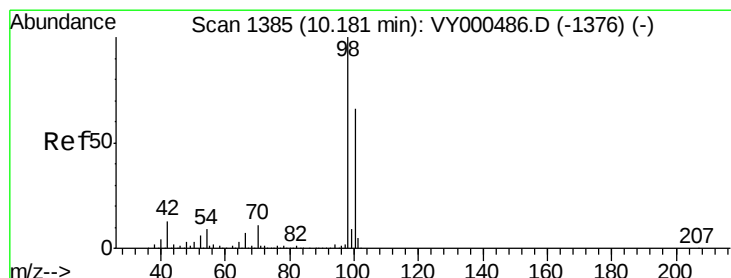
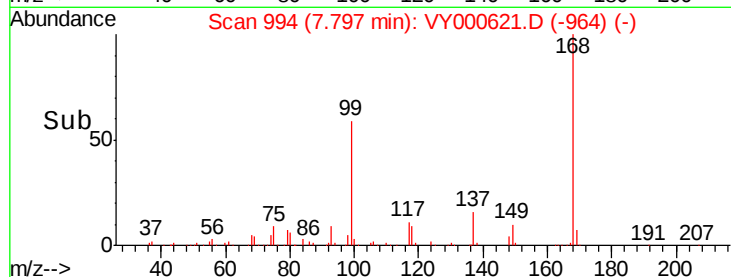
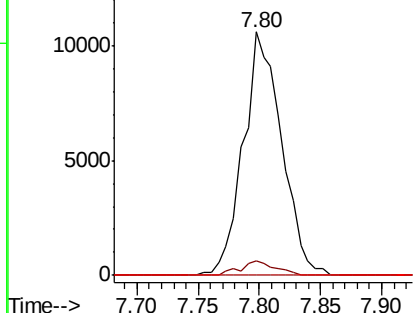
#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000621.D
Acq: 08 Nov 2019 16:41

Instrument :
MSVOA_Y
ClientSampleId :
3-D

Tot Ion:117 Resp: 23082
Ion Ratio Lower Upper
117 100
119 5.8 78.0 117.0#
121 0.0 26.6 40.0#

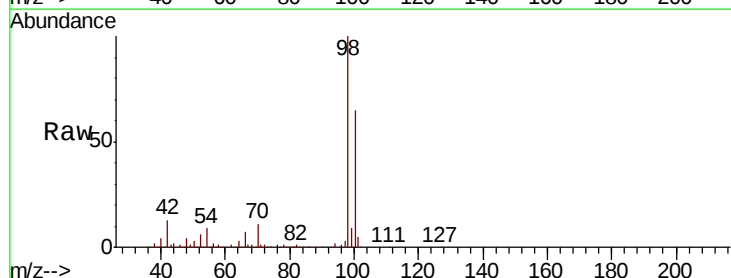


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

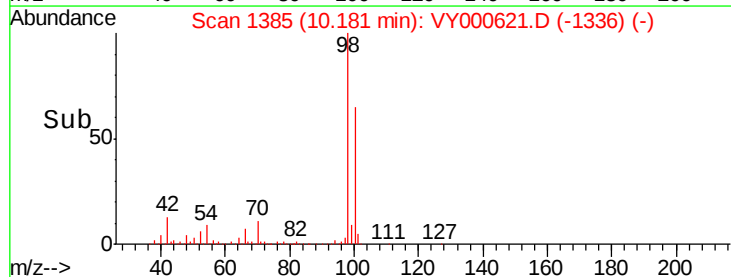
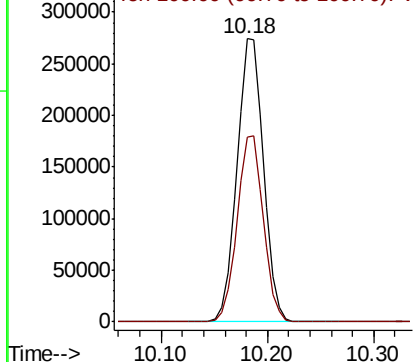


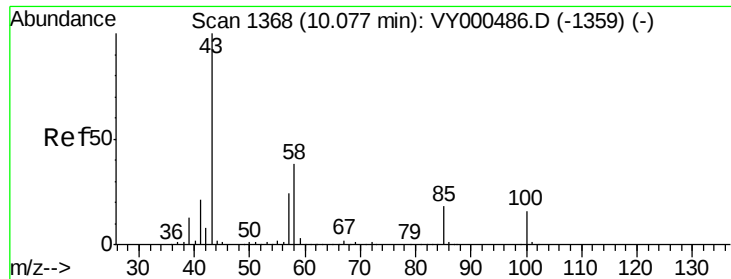
#50
Toluene-d8
Concen: 52.359 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000621.D
Acq: 08 Nov 2019 16:41

Tgt Ion: 98 Resp: 479237
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 1.141 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Instrument :

MSVOA_Y

ClientSampled :

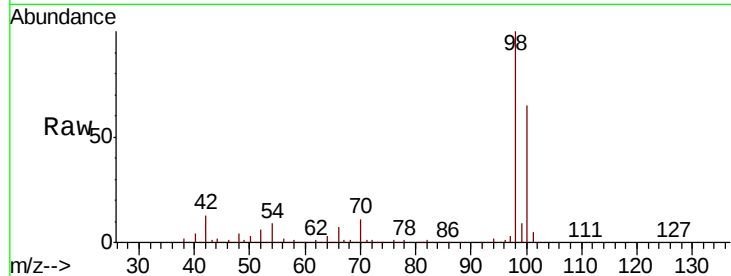
3-D

Tot Ion: 43 Resp: 2629

Ion Ratio Lower Upper

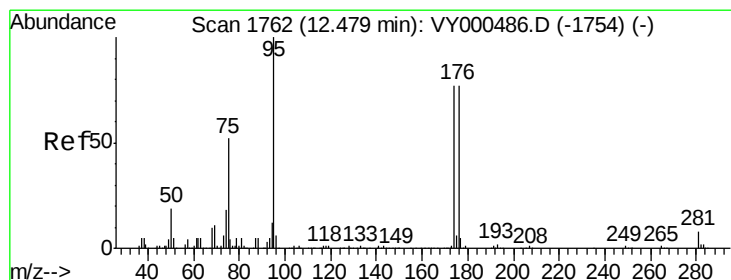
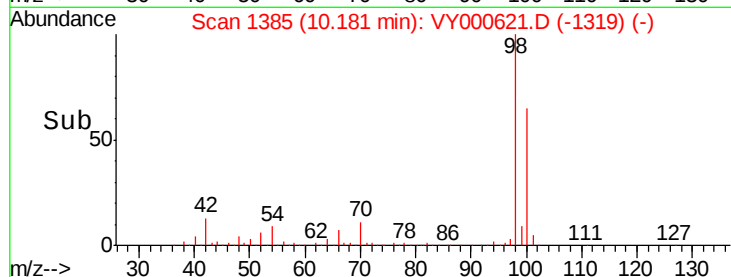
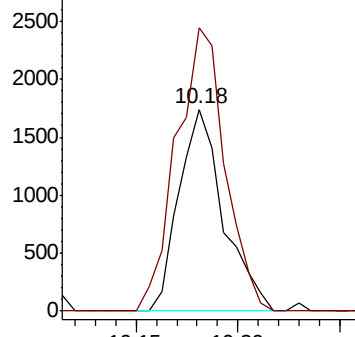
43 100

58 153.7 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 46.444 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

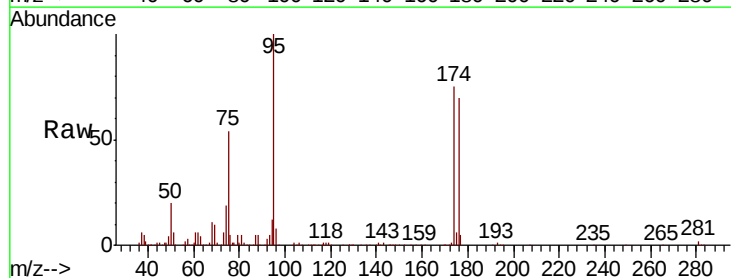
Tgt Ion: 95 Resp: 161832

Ion Ratio Lower Upper

95 100

174 78.4 0.0 161.6

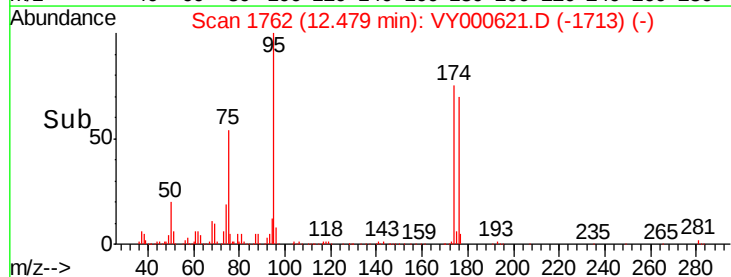
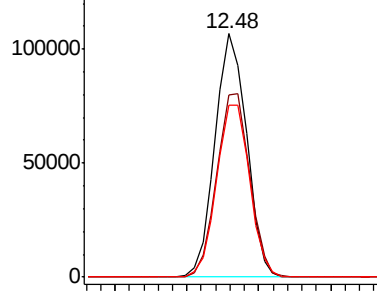
176 73.9 0.0 157.8

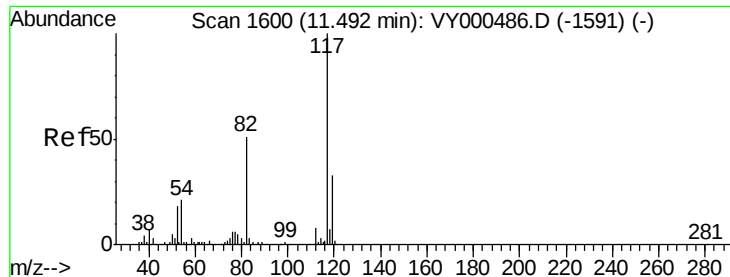


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

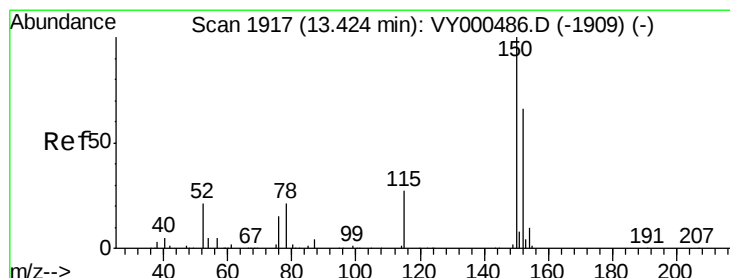
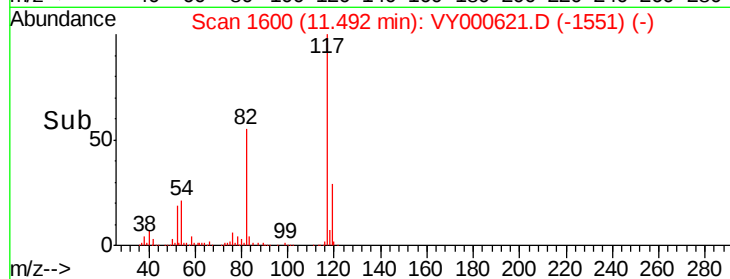
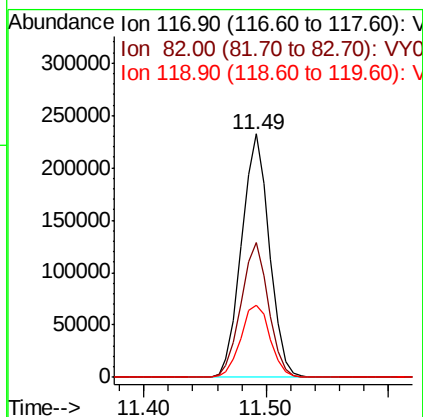
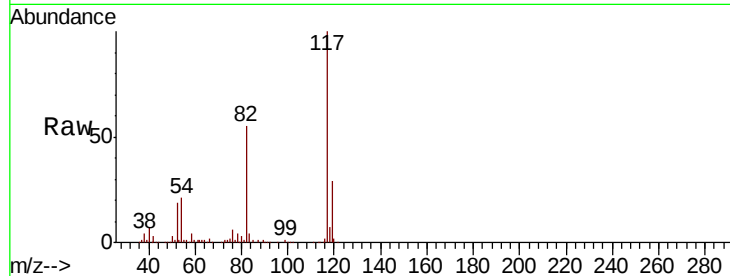




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000621.D
Acq: 08 Nov 2019 16:41

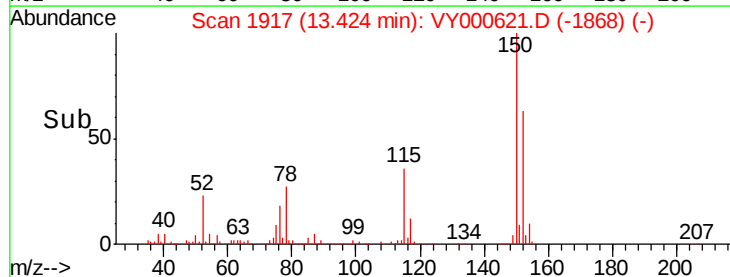
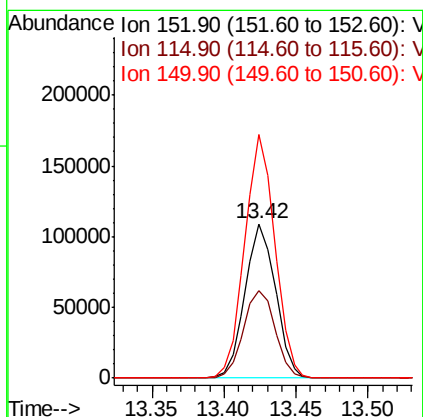
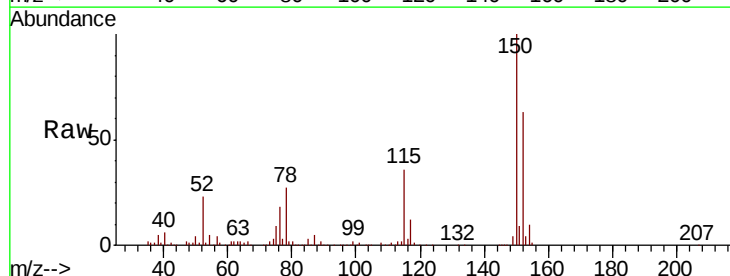
Instrument :
MSVOA_Y
ClientSampleId :
3-D

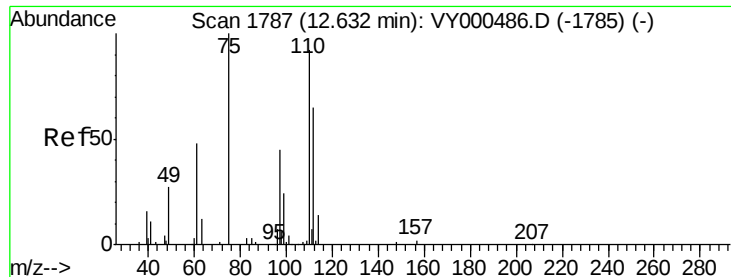
Tot Ion:117 Resp: 364545
Ion Ratio Lower Upper
117 100
82 55.5 40.8 61.2
119 29.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000621.D
Acq: 08 Nov 2019 16:41

Tgt Ion:152 Resp: 159681
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.4
150 156.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 47.756 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

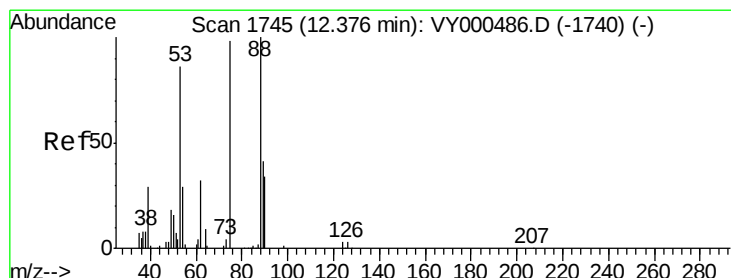
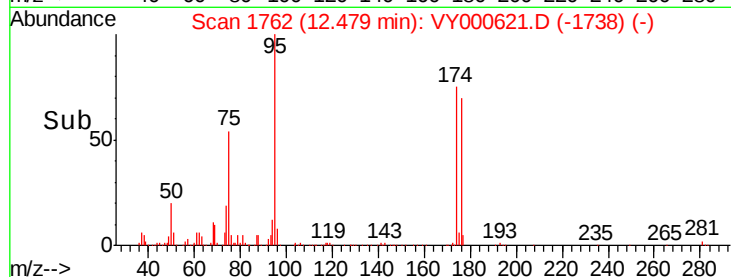
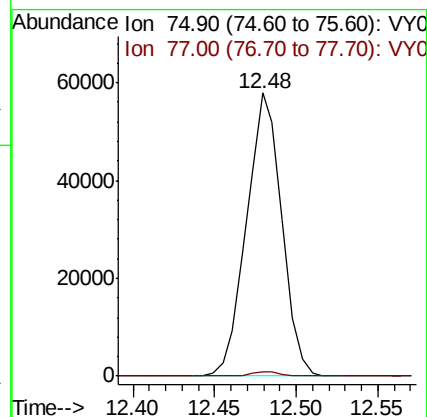
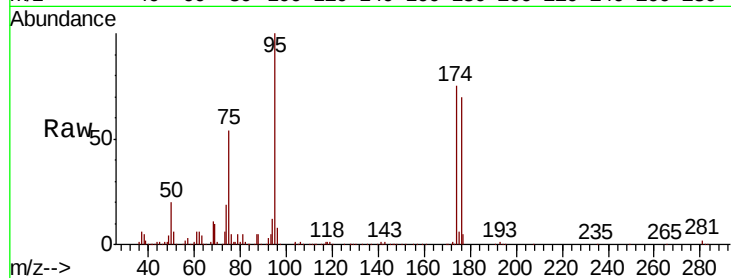
3-D

Tot Ion: 75 Resp: 86829

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.075 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000621.D

Acq: 08 Nov 2019 16:41

Tgt Ion: 75 Resp: 86829

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#

