

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001719.D
 Acq On : 20 Feb 2020 13:21
 Operator : SY/MD
 Sample : L1601-02
 Misc : 4.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:04:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	113989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	206171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	184345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	79577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	70846	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	
35) Dibromofluoromethane	7.75	113	61931	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.19	98	247306	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.49	95	84375	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

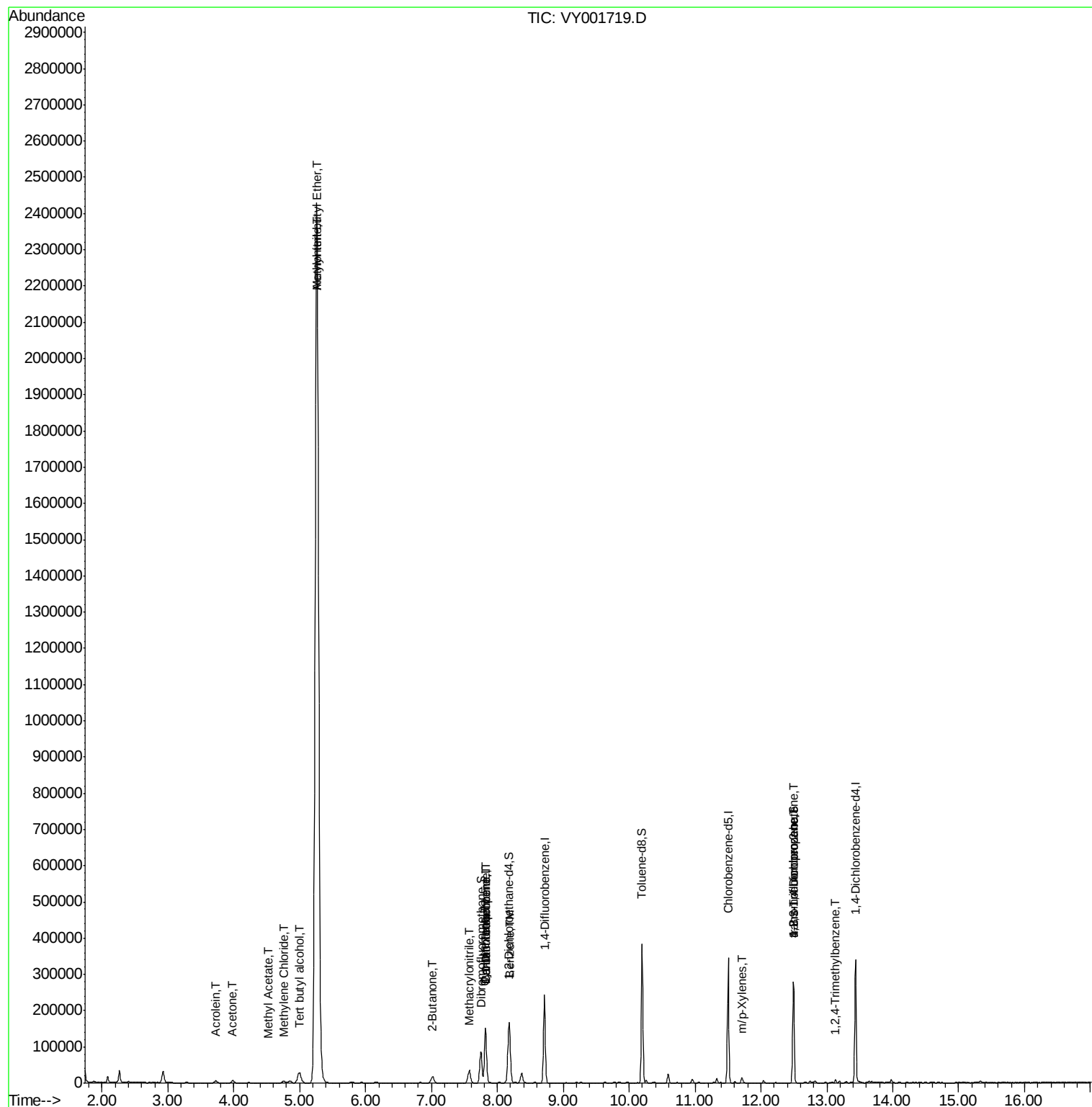
						Qvalue
11) Tert butyl alcohol	5.00	59	62190	458.997	ug/l #	74
13) Acrolein	3.73	56	248	2.003	ug/l #	1
15) Acrylonitrile	5.25	53	41005	105.183	ug/l #	31
16) Acetone	3.98	43	11531	27.180	ug/l	97
18) Methyl Acetate	4.53	43	950	1.028	ug/l #	72
19) Methyl tert-butyl Ether	5.26	73	4400340	1277.868	ug/l	100
20) Methylene Chloride	4.76	84	3564	2.365	ug/l	95
25) 2-Butanone	7.02	43	1652	2.866	ug/l	99
31) Cyclohexane	7.81	56	3262	1.266	ug/l #	16
36) 1,1-Dichloropropene	7.82	75	9305	4.725	ug/l #	49
38) Carbon Tetrachloride	7.82	117	11118	6.427	ug/l #	16
40) Benzene	8.19	78	107731	18.600	ug/l	96
41) Methacrylonitrile	7.58	41	17706	30.001	ug/l #	91
68) m/p-Xylenes	11.71	106	4454	1.746	ug/l	89
76) 1,2,3-Trichloropropane	12.49	75	43280	47.412	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	43280	89.948	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	5429	1.085	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

Instrument :

MSVOA_Y

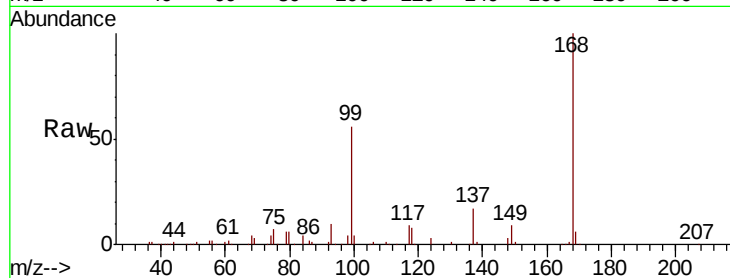
ClientSampleId :

Tot Ion:168 Resp: 113989

Ion Ratio Lower Upper

168 100

99 55.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

60000

50000

40000

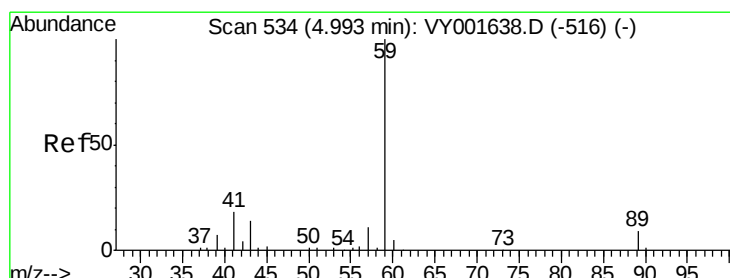
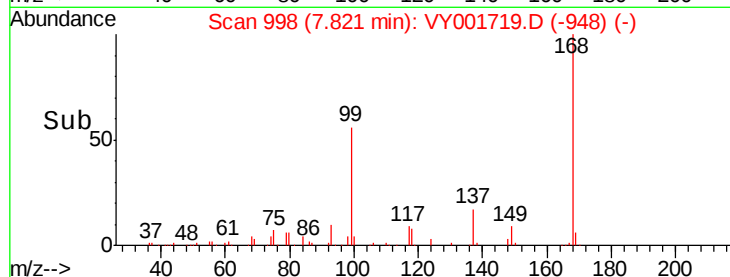
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 458.997 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001719.D

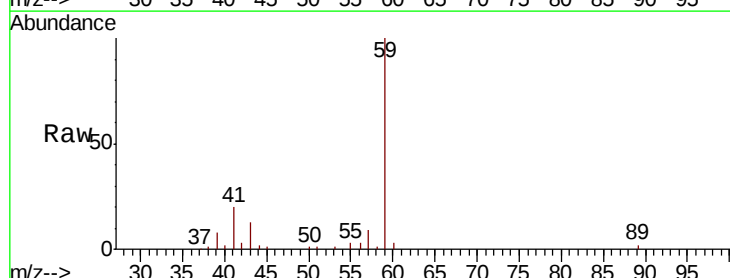
Acq: 20 Feb 2020 13:21

Tgt Ion: 59 Resp: 62190

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

5.00

300000

250000

200000

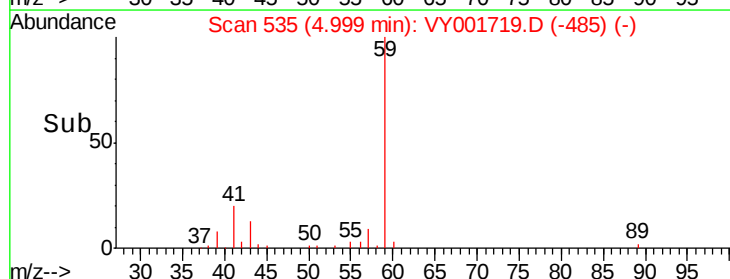
150000

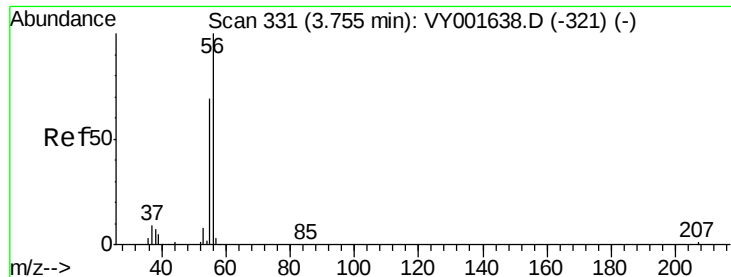
100000

50000

0

Time-->





#13

Acrolein

Concen: 2.003 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.02 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

Instrument :

MSVOA_Y

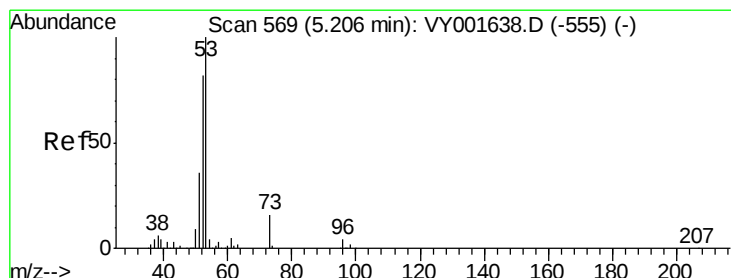
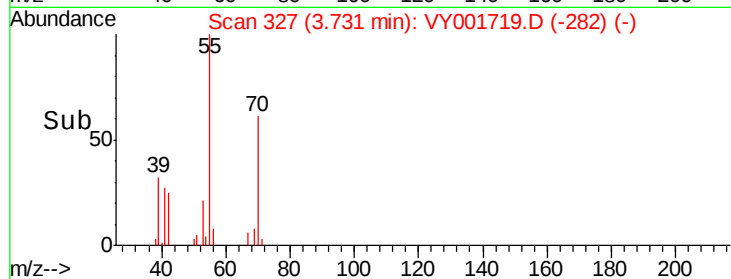
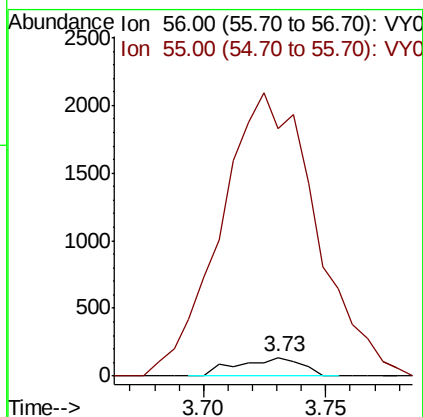
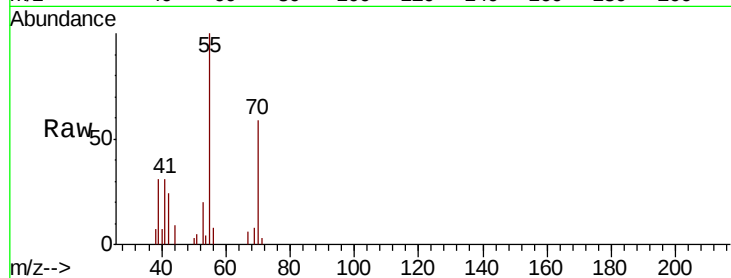
ClientSampleId :

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 2285.5 56.1 84.1#



#15

Acrylonitrile

Concen: 105.183 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.05 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

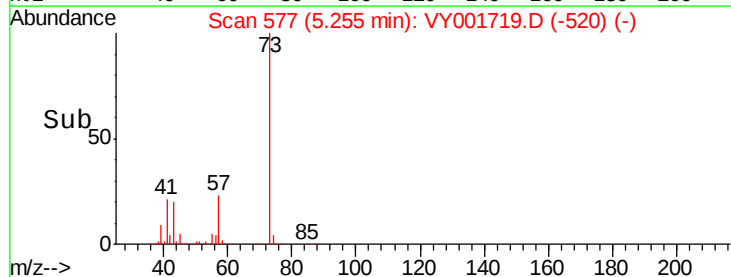
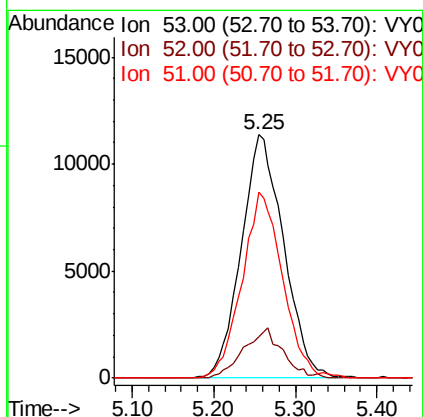
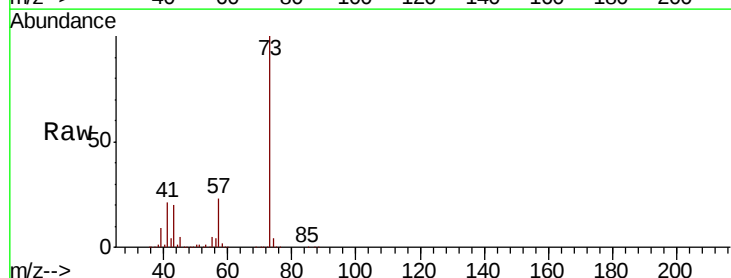
Tgt Ion: 53 Resp: 41005

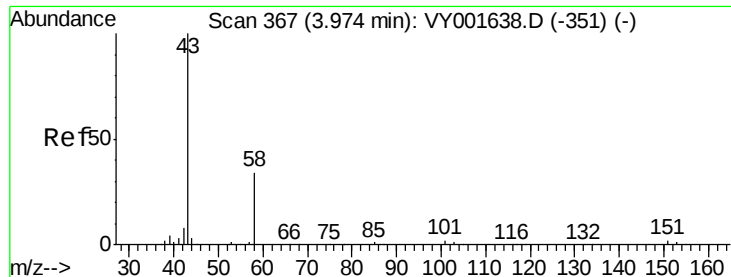
Ion Ratio Lower Upper

53 100

52 18.8 65.4 98.0#

51 73.4 28.0 42.0#





#16

Acetone

Concen: 27.180 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

Instrument :

MSVOA_Y

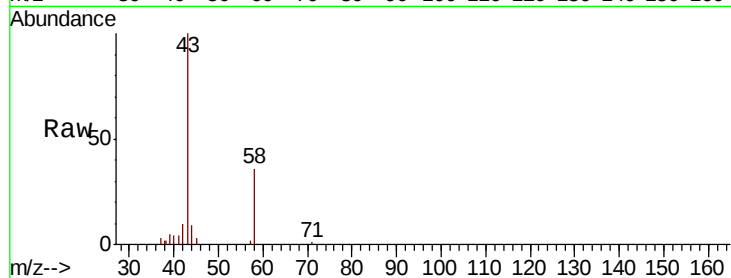
ClientSampled :

Tot Ion: 43 Resp: 11531

Ion Ratio Lower Upper

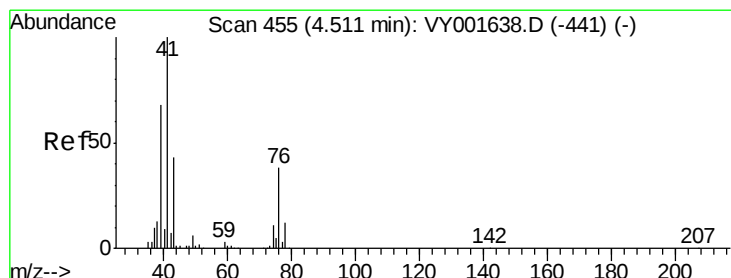
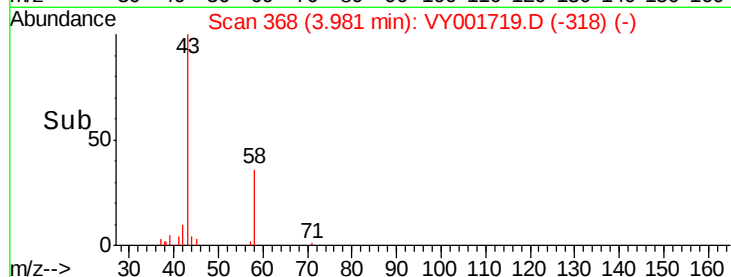
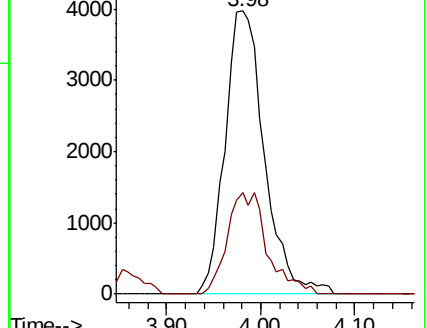
43 100

58 36.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001719.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VY001719.D (-368) (-)



#18

Methyl Acetate

Concen: 1.028 ug/l

RT: 4.53 min Scan# 458

Delta R.T. 0.02 min

Lab File: VY001719.D

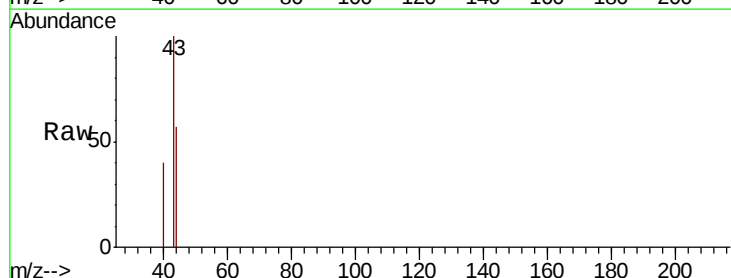
Acq: 20 Feb 2020 13:21

Tgt Ion: 43 Resp: 950

Ion Ratio Lower Upper

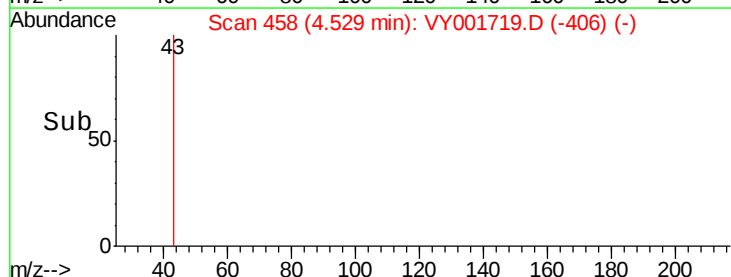
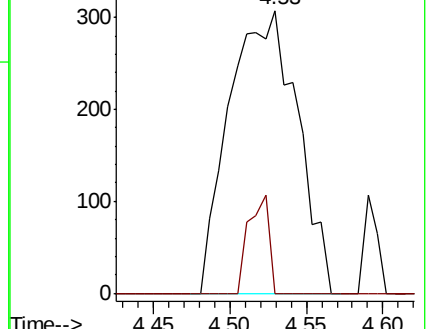
43 100

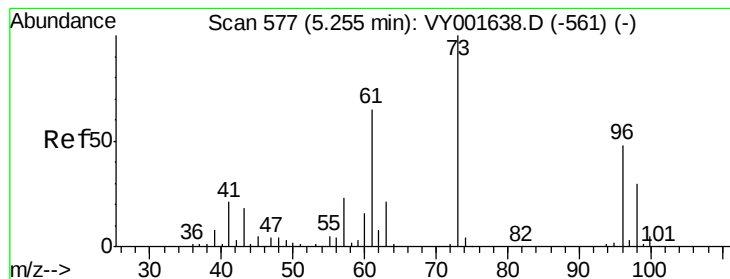
74 10.3 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VY001719.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VY001719.D (-458) (-)



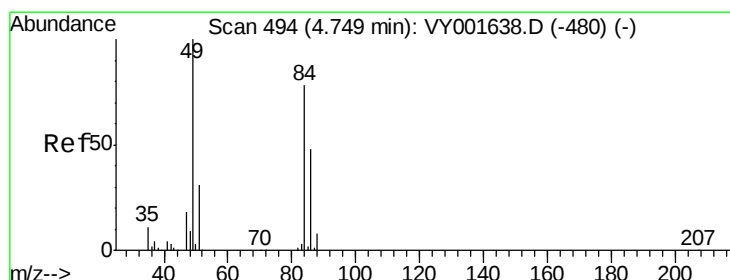
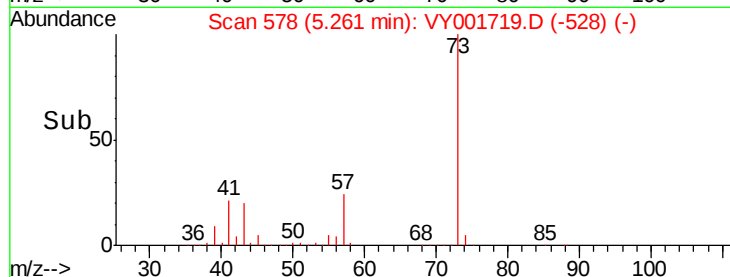
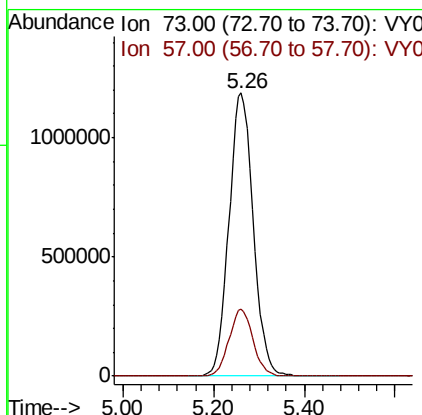
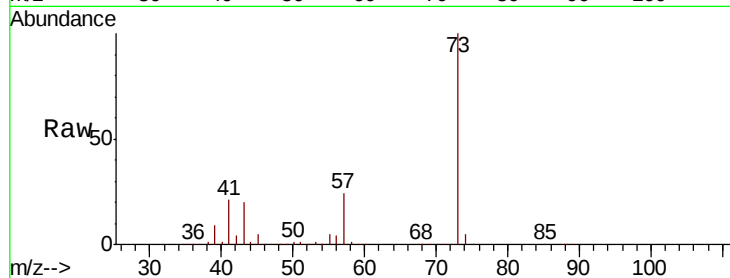


#19

Methyl tert-butyl Ether
 Concen: 1277.868 ug/l
 RT: 5.26 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

Instrument :
 MSVOA_Y
 ClientSampled :

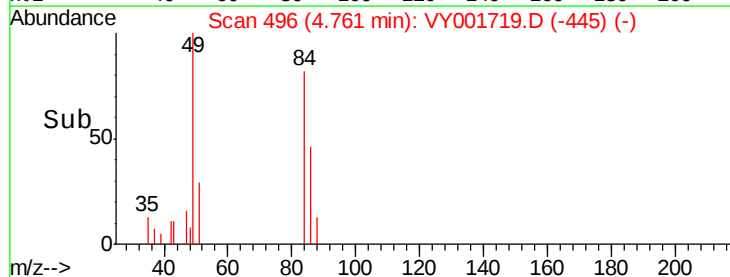
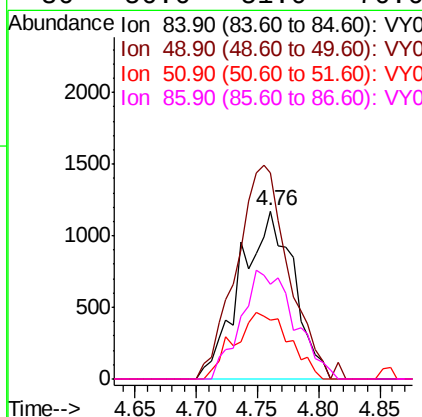
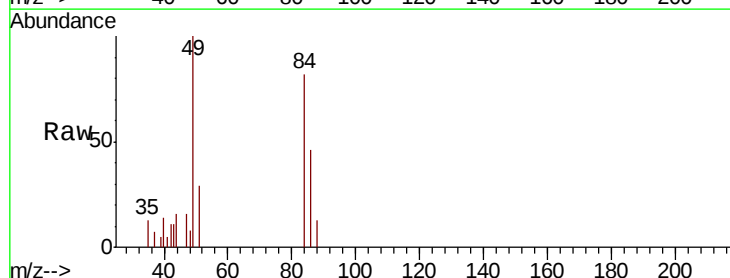
Tot Ion: 73 Resp: 4400340
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.0 28.6

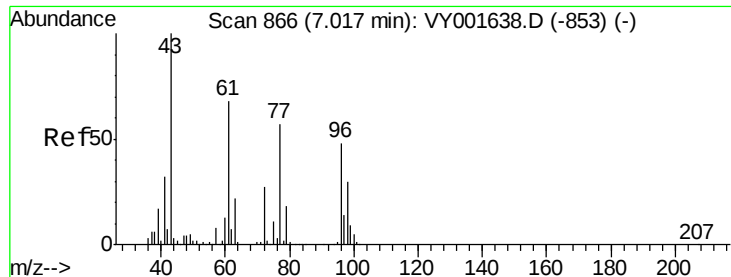


#20

Methylene Chloride
 Concen: 2.365 ug/l
 RT: 4.76 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

Tgt Ion: 84 Resp: 3564
 Ion Ratio Lower Upper
 84 100
 49 122.5 99.2 148.8
 51 35.0 31.5 47.3
 86 56.6 51.0 76.6





#25

2-Butanone

Concen: 2.866 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

Instrument :

MSVOA_Y

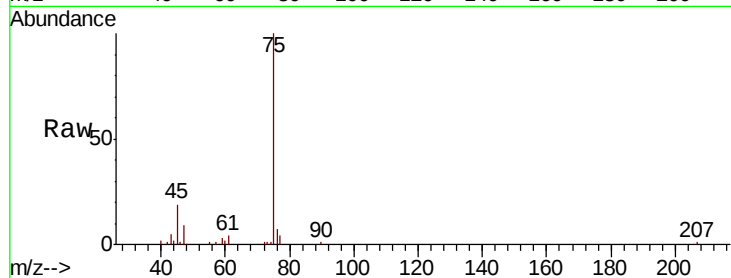
ClientSampleId :

Tot Ion: 43 Resp: 1652

Ion Ratio Lower Upper

43 100

72 26.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

600

500

400

300

200

100

0

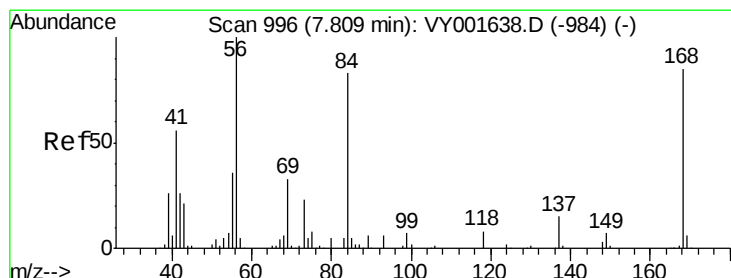
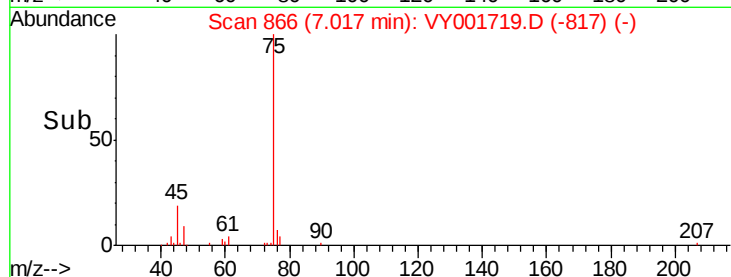
6.95

7.00

7.05

7.10

Time-->



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

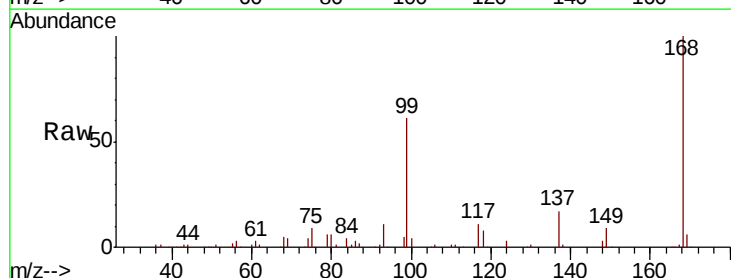
Tgt Ion: 56 Resp: 3262

Ion Ratio Lower Upper

56 100

69 131.6 25.1 37.7#

84 126.0 66.9 100.3#



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

3000

2500

2000

1500

1000

500

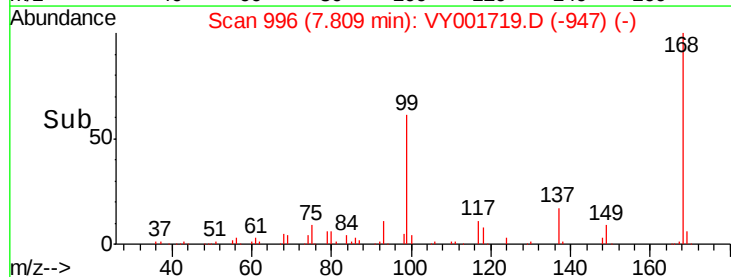
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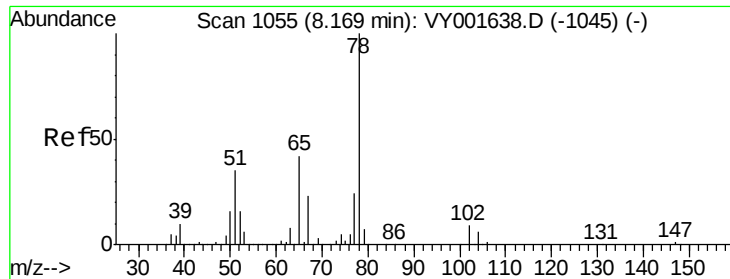
7.75

7.80

7.85

Time-->

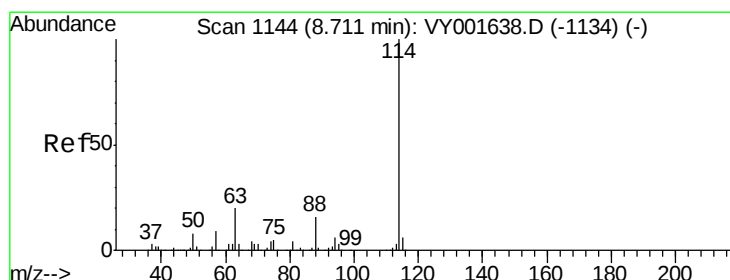
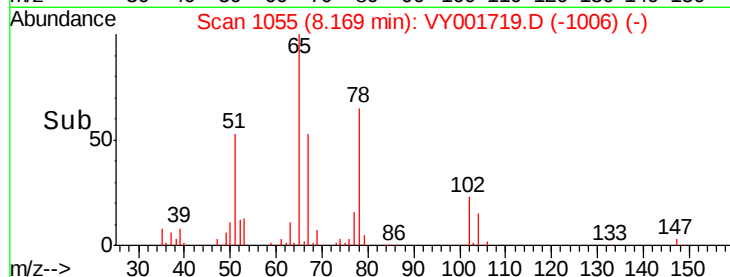
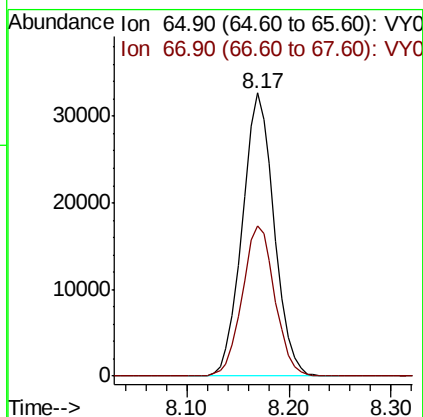
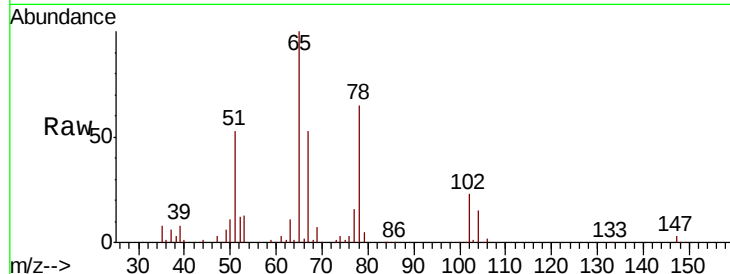




#33
 1,2-Dichloroethane-d4
 Concen: 57.781 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

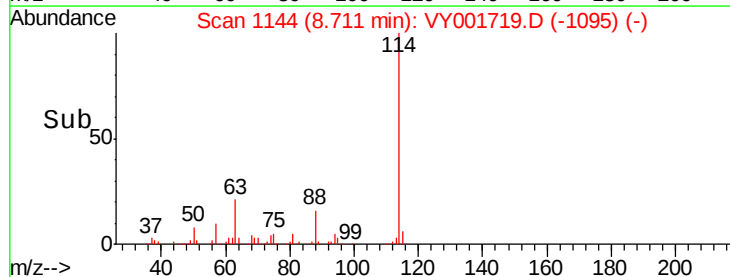
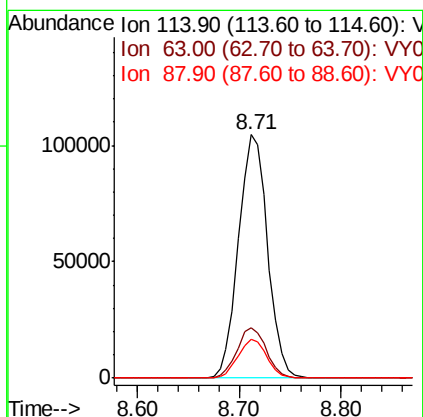
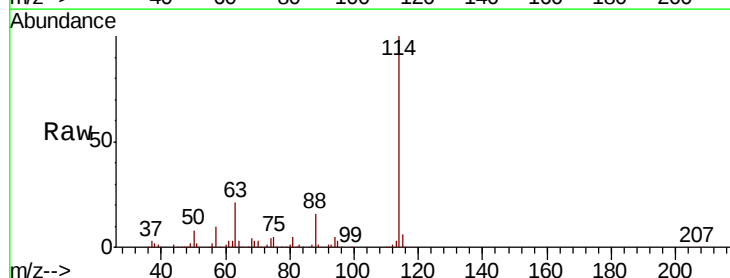
Instrument :
 MSVOA_Y
 ClientSampled :

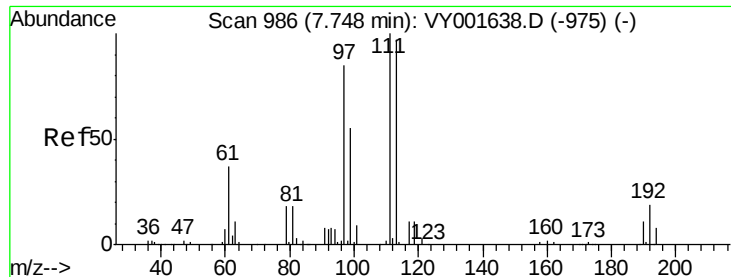
Tot Ion: 65 Resp: 70846
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

Tgt Ion: 114 Resp: 206171
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 15.9 0.0 32.8

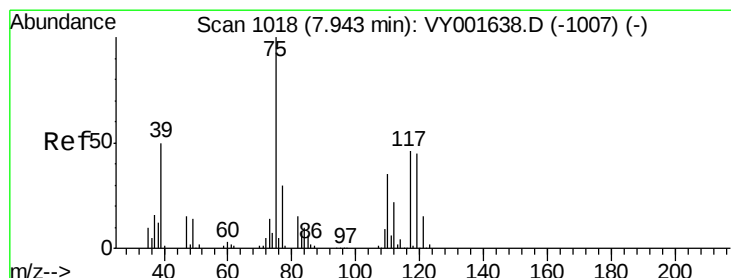
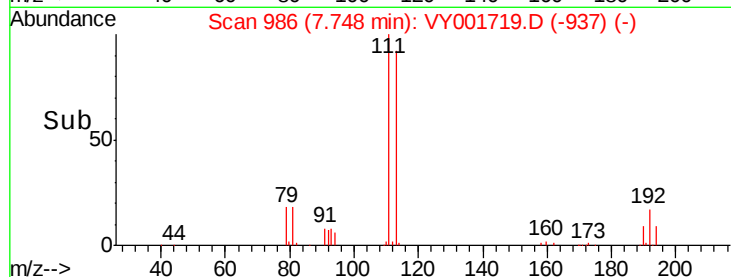
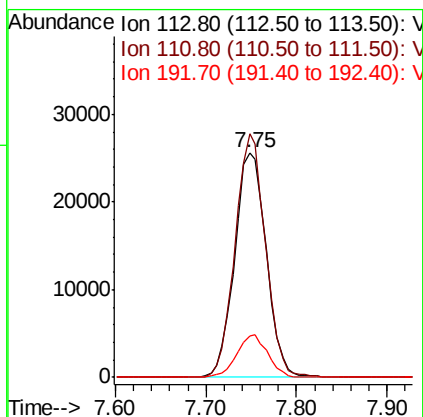
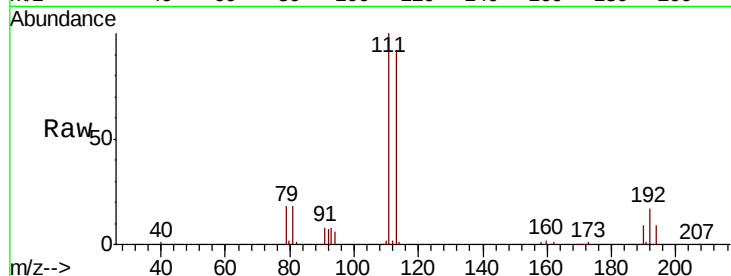




#35
 Dibromofluoromethane
 Concen: 52.446 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

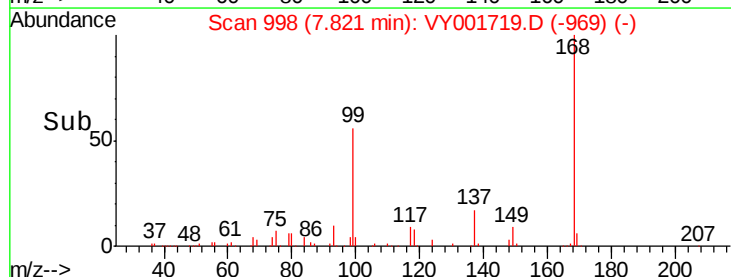
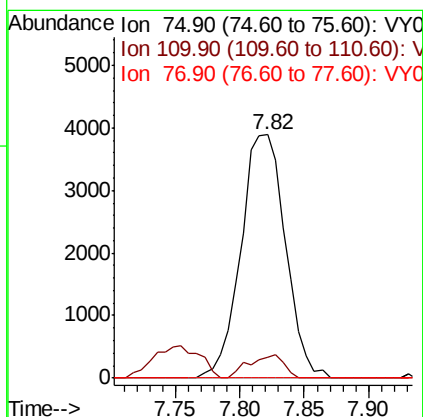
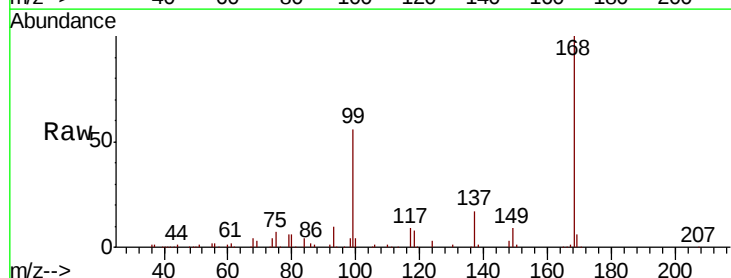
Instrument :
 MSVOA_Y
 ClientSampleId :

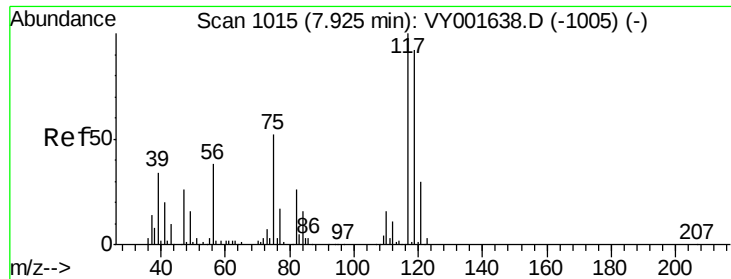
Tot Ion:113 Resp: 61931
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 18.5 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.725 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

Tgt Ion: 75 Resp: 9305
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.2 51.6#
 77 0.0 24.8 37.2#

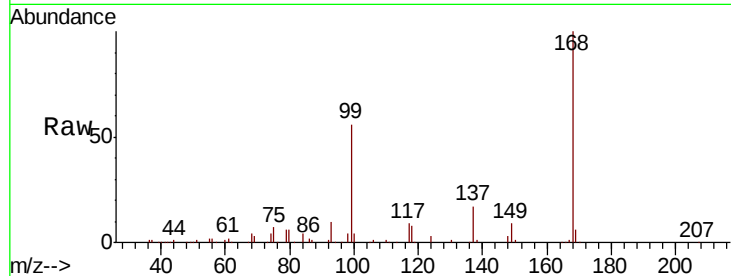




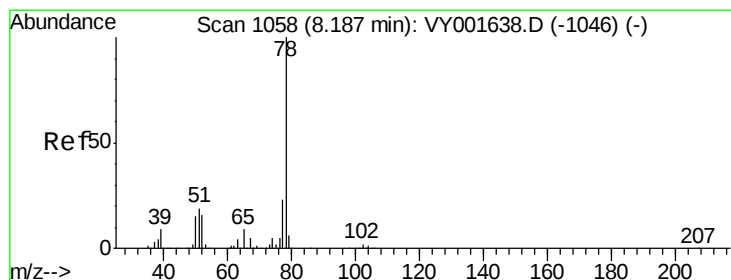
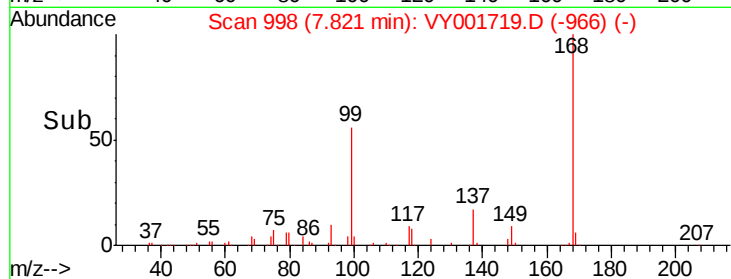
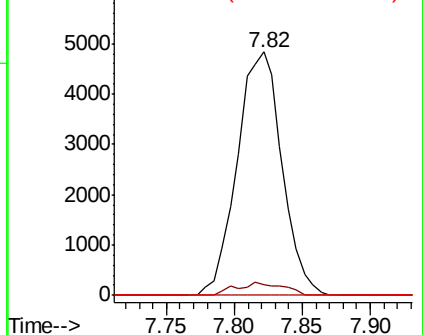
#38
Carbon Tetrachloride
Concen: 6.427 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 11118
Ion Ratio Lower Upper
117 100
119 4.3 74.8 112.2#
121 0.0 23.8 35.6#

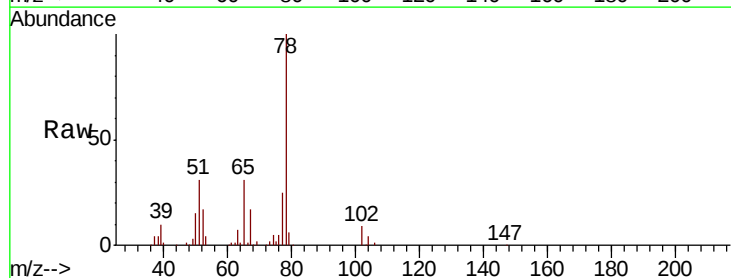


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

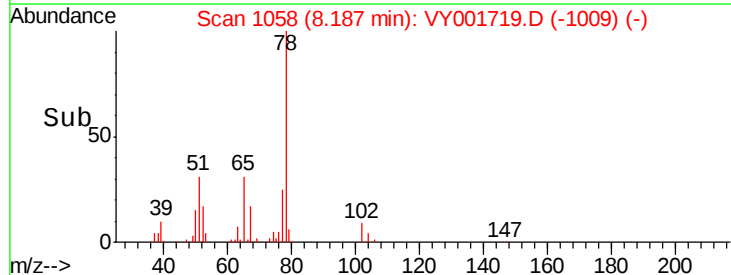
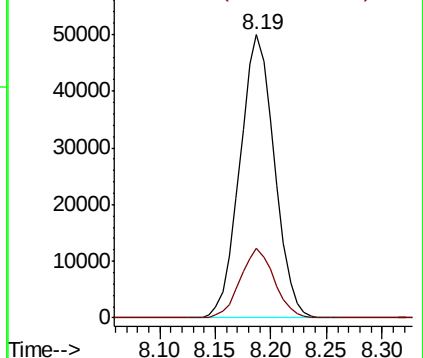


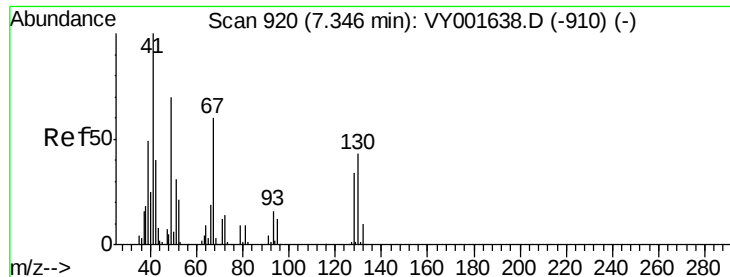
#40
Benzene
Concen: 18.600 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Tgt Ion: 78 Resp: 107731
Ion Ratio Lower Upper
78 100
77 24.6 18.2 27.4



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

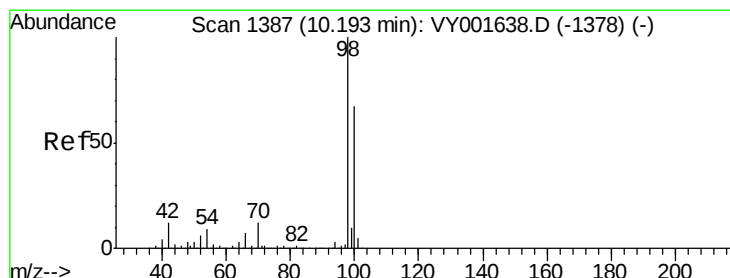
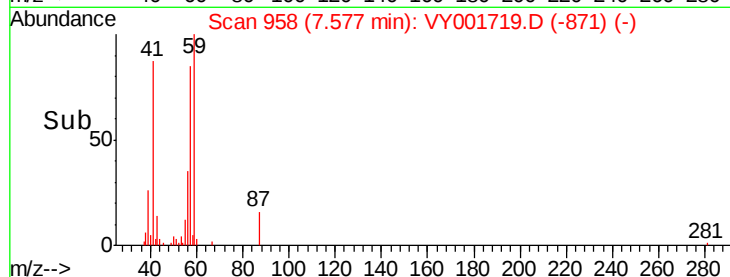
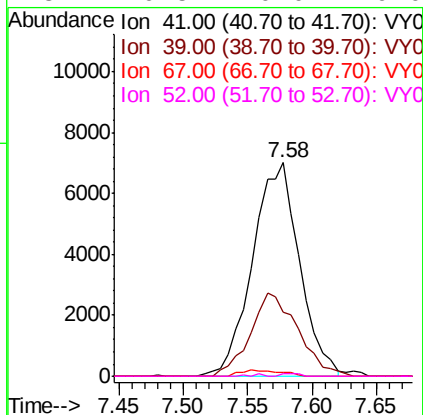
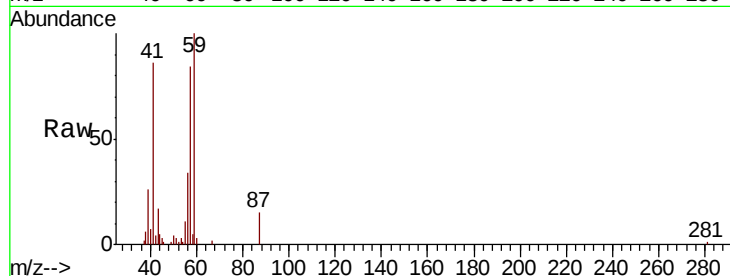




#41
Methacrylonitrile
Concen: 30.001 ug/l
RT: 7.58 min Scan# 958
Delta R.T. 0.23 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

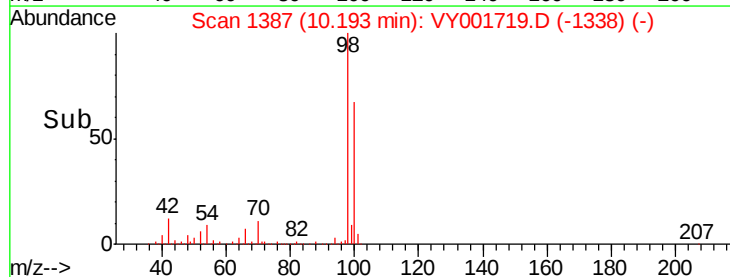
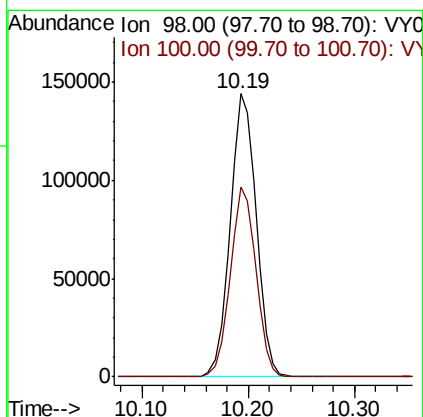
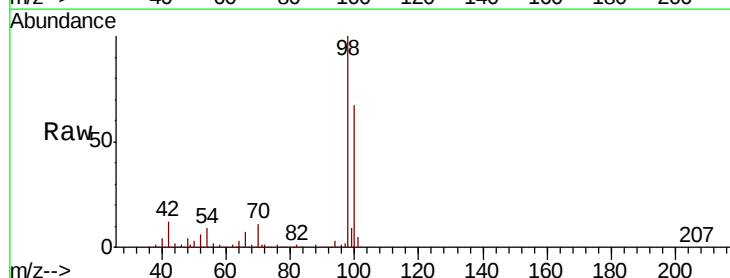
Instrument :
MSVOA_Y
ClientSampled :

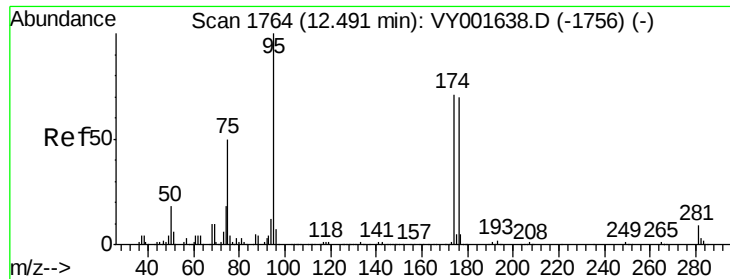
Tot Ion: 41 Resp: 17706
Ion Ratio Lower Upper
41 100
39 39.4 36.0 54.0
67 0.0 0.0 0.0
52 0.5 0.0 0.0#



#50
Toluene-d8
Concen: 53.457 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Tgt Ion: 98 Resp: 247306
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

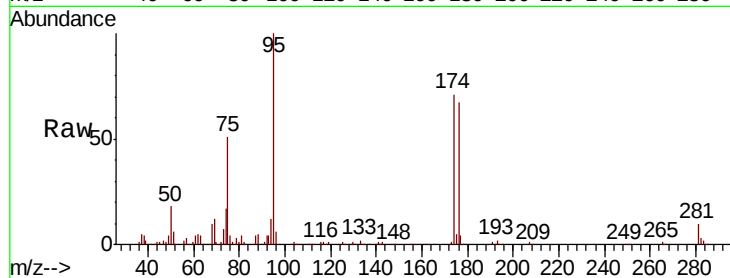




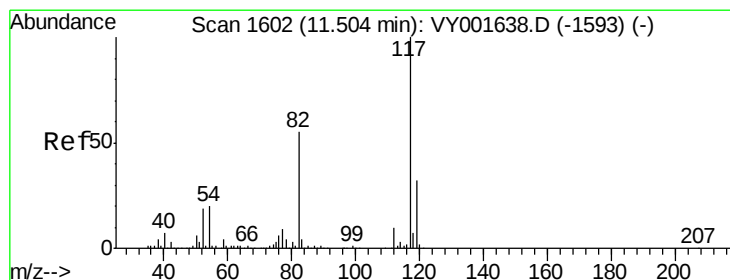
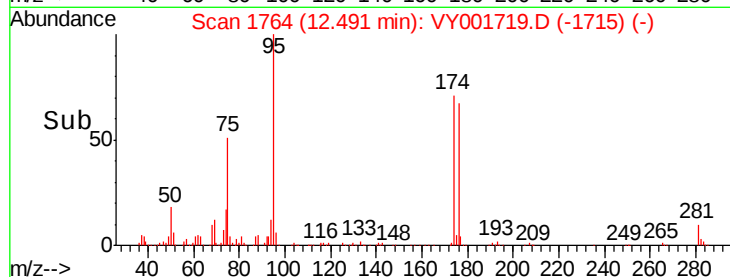
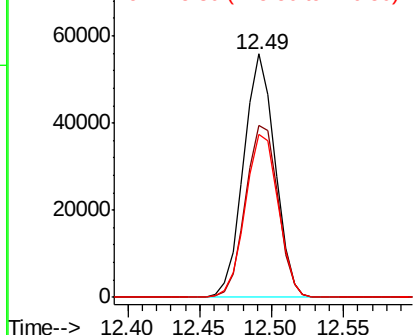
#62
4-Bromofluorobenzene
Concen: 46.947 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 95 Resp: 84375
Ion Ratio Lower Upper
95 100
174 73.0 0.0 138.4
176 70.0 0.0 131.8

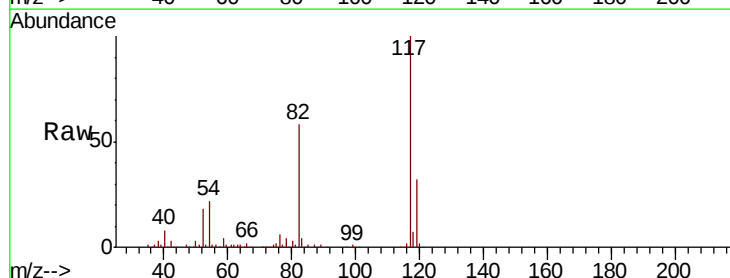


Abundance Ion 94.90 (94.60 to 95.60): VY001719.D (-1756) (-)
Ion 173.80 (173.50 to 174.50): VY001719.D (-1756) (-)
Ion 175.80 (175.50 to 176.50): VY001719.D (-1756) (-)

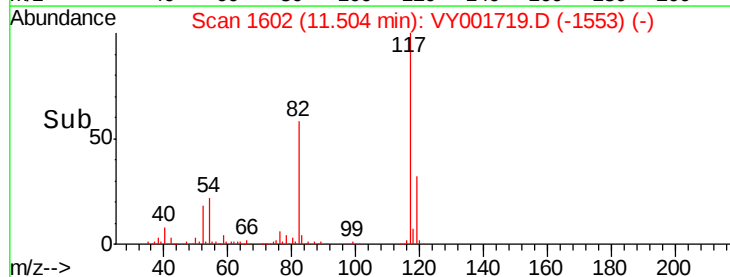
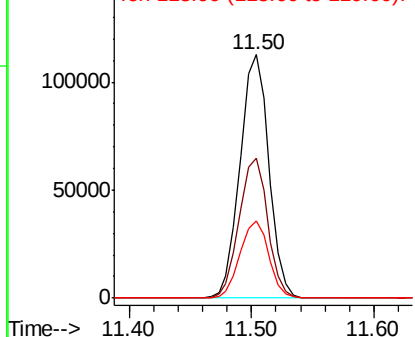


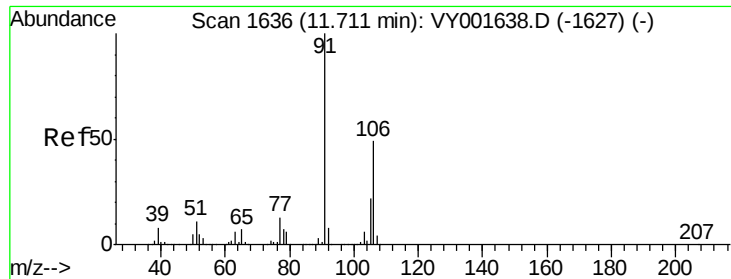
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Tgt Ion: 117 Resp: 184345
Ion Ratio Lower Upper
117 100
82 57.6 45.5 68.3
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VY001719.D (-1553) (-)
Ion 82.00 (81.70 to 82.70): VY001719.D (-1553) (-)
Ion 118.90 (118.60 to 119.60): VY001719.D (-1553) (-)

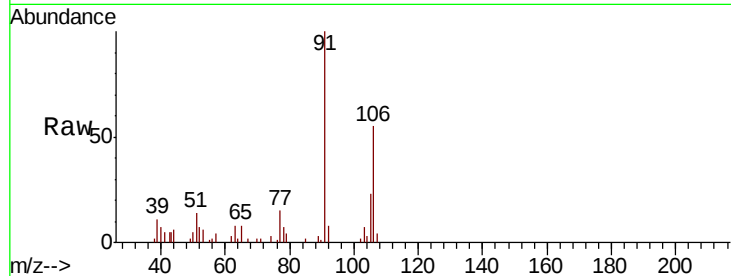




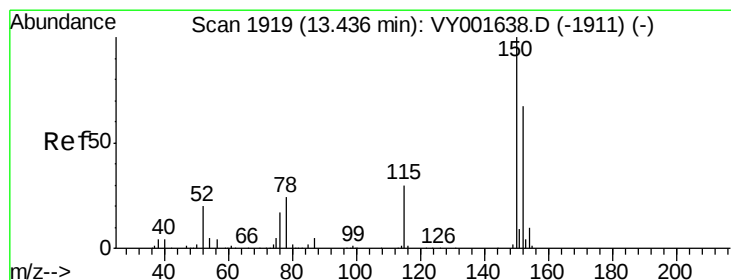
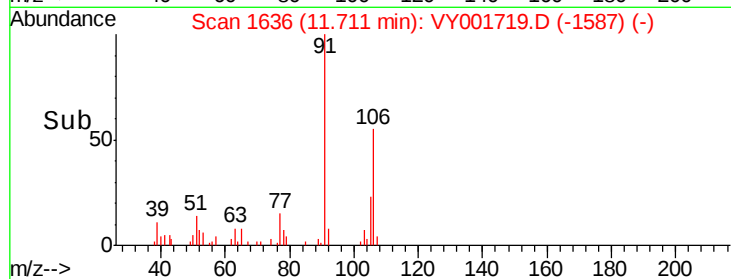
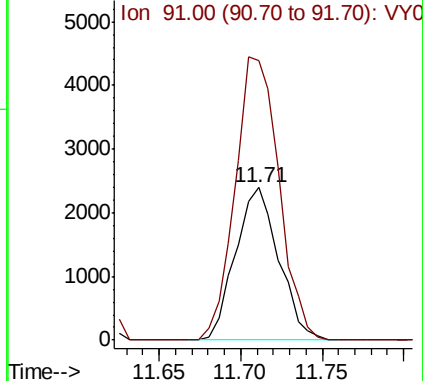
#68
m/p-Xvlenes
Concen: 1.746 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 4454
Ion Ratio Lower Upper
106 100
91 186.9 163.3 244.9

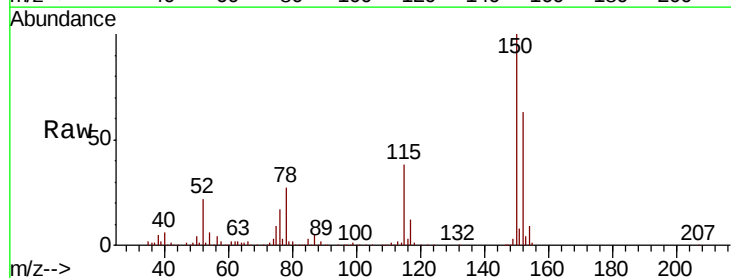


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

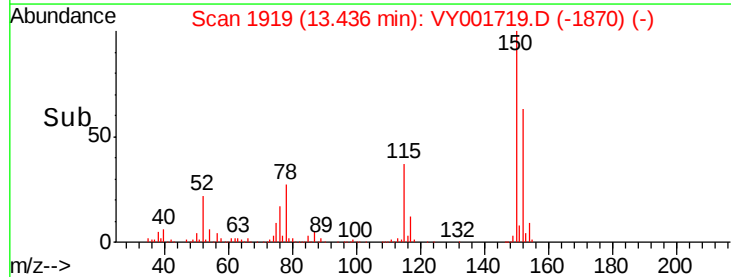
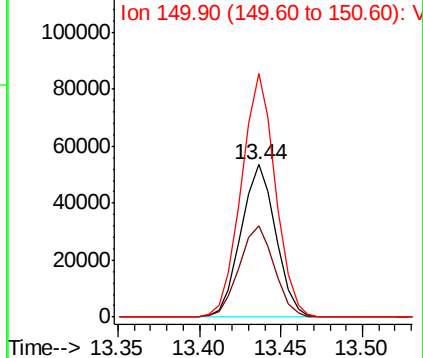


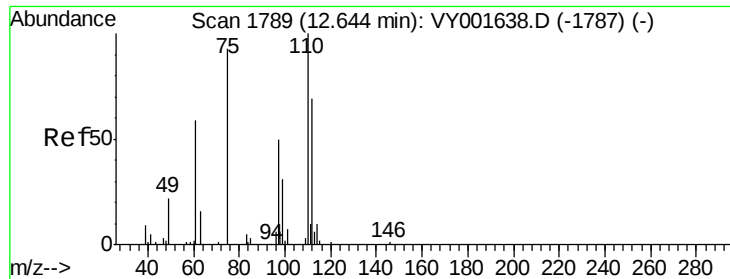
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001719.D
Acq: 20 Feb 2020 13:21

Tgt Ion:152 Resp: 79577
Ion Ratio Lower Upper
152 100
115 60.6 31.4 94.2
150 156.5 0.0 407.2



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: 47.412 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

Instrument :

MSVOA_Y

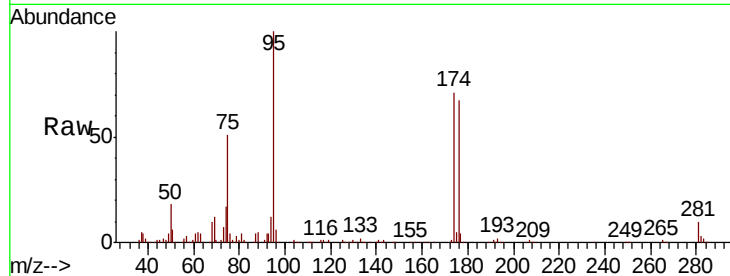
ClientSampleId :

Tot Ion: 75 Resp: 43280

Ion Ratio Lower Upper

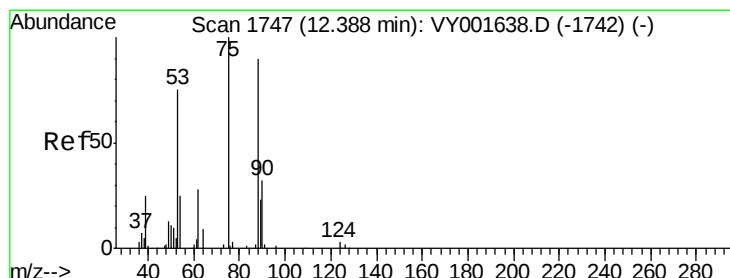
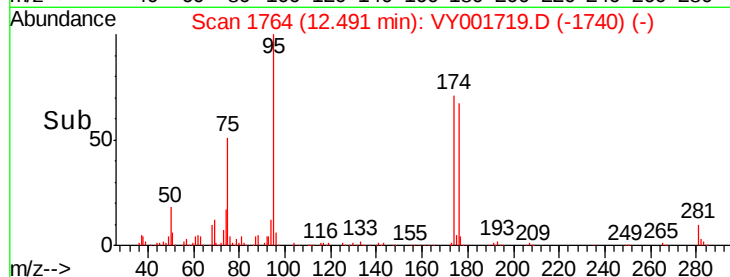
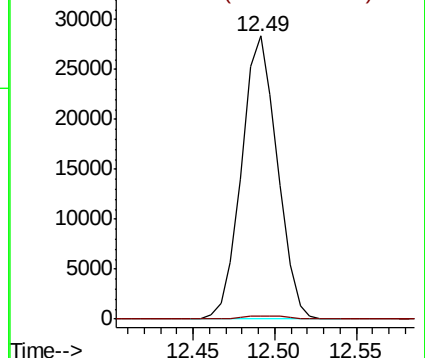
75 100

77 1.5 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: 89.948 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001719.D

Acq: 20 Feb 2020 13:21

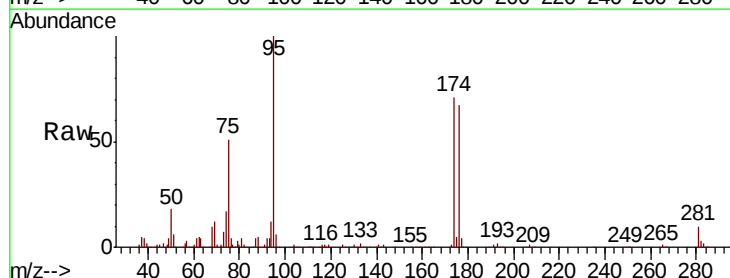
Tgt Ion: 75 Resp: 43280

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

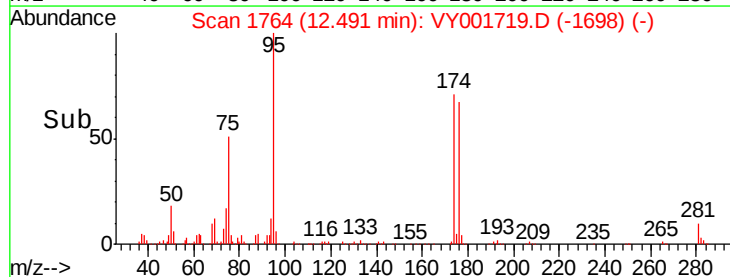
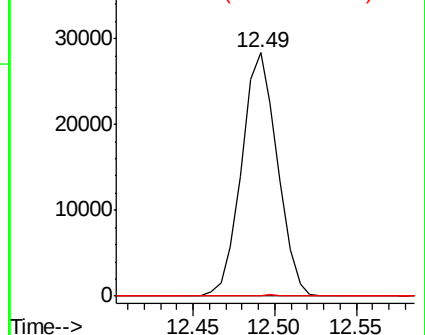
89 0.5 36.3 54.5#

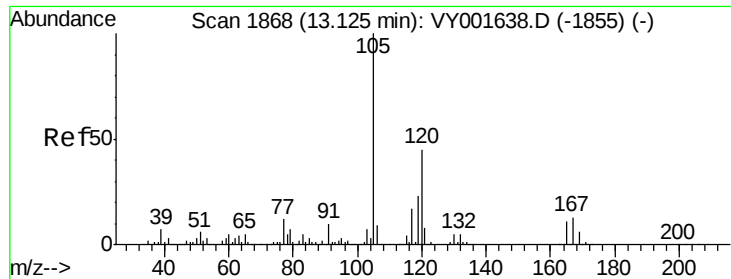


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84
 1,2,4-Trimethylbenzene
 Concen: 1.085 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001719.D
 Acq: 20 Feb 2020 13:21

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 5429
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.4 67.3

