

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001717.D
 Acq On : 20 Feb 2020 12:37
 Operator : SY/MD
 Sample : L1606-02
 Misc : 7.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:03:42 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	7.83	168	176167	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	328486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	288485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	103649	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
35) Dibromofluoromethane	7.75	113	93601	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
50) Toluene-d8	10.20	98	393823	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.50	95	129343	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	

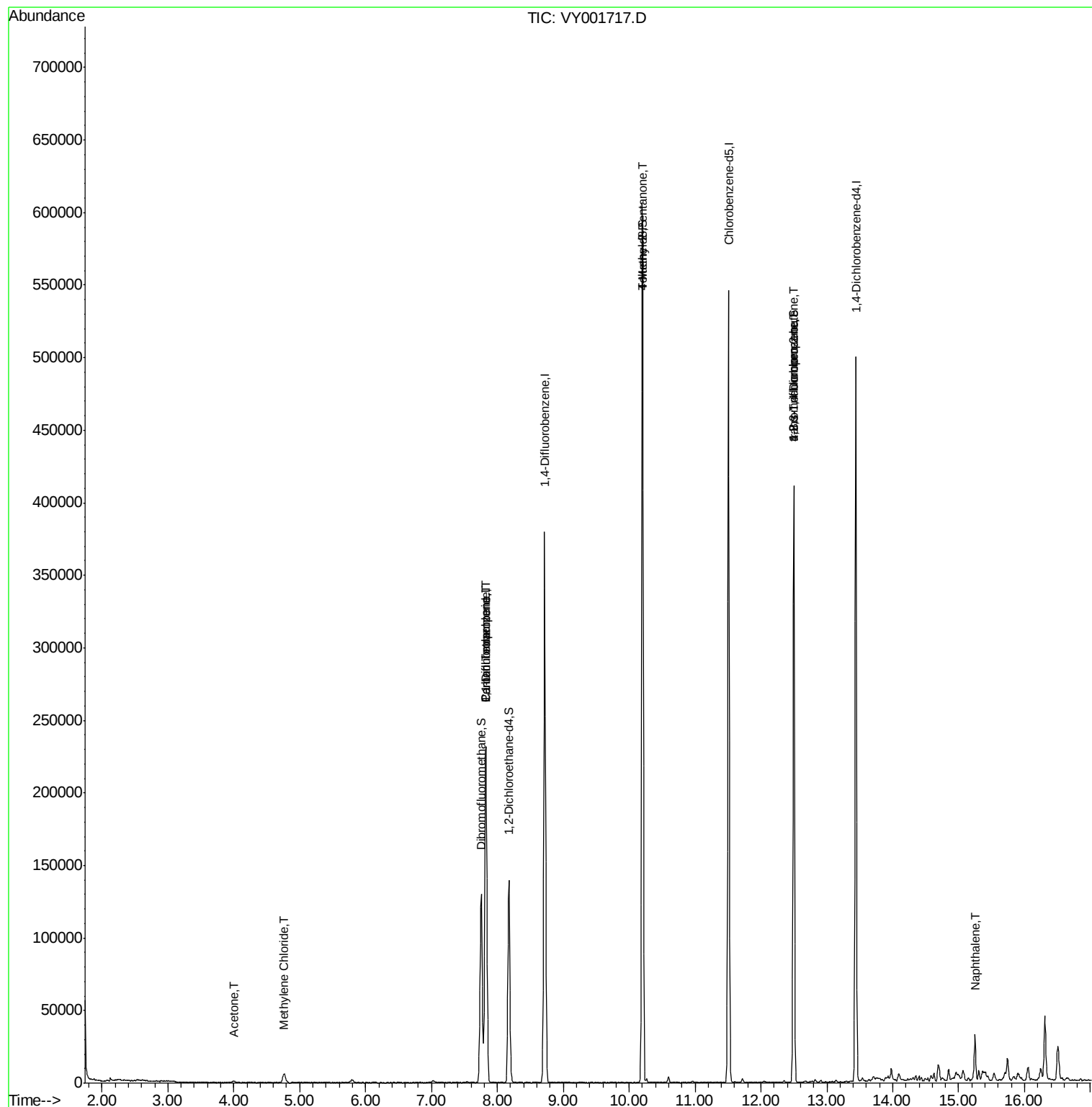
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	74	Below Cal	#	74
16) Acetone	4.00	43	1946	2.968	ug/l	97
20) Methylene Chloride	4.76	84	2633	1.131	ug/l	95
36) 1,1-Dichloropropene	7.82	75	14651	4.669	ug/l #	51
38) Carbon Tetrachloride	7.82	117	17958	6.516	ug/l #	16
51) 4-Methyl-2-Pentanone	10.20	43	1833	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	66734	47.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	66734	90.686	ug/l #	17
95) Naphthalene	15.25	128	24154	4.394	ug/l	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

Instrument :

MSVOA_Y

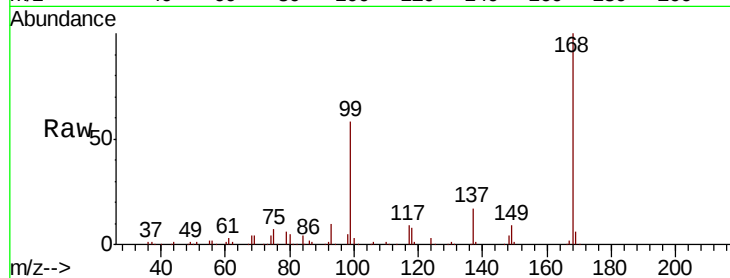
ClientSampleId :

Tot Ion:168 Resp: 176167

Ion Ratio Lower Upper

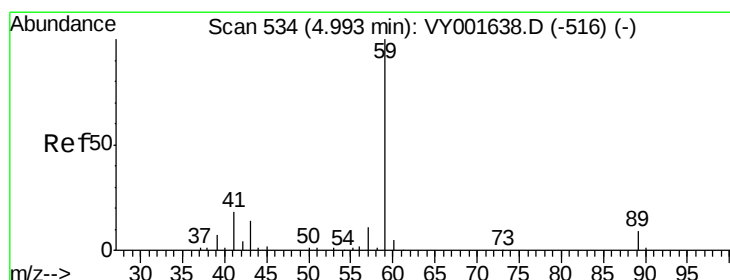
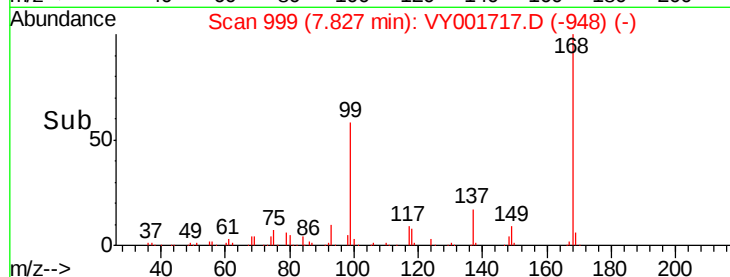
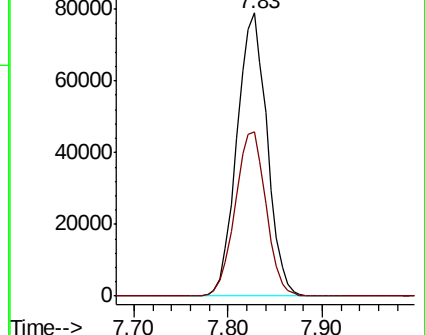
168 100

99 58.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001717.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001717.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001717.D

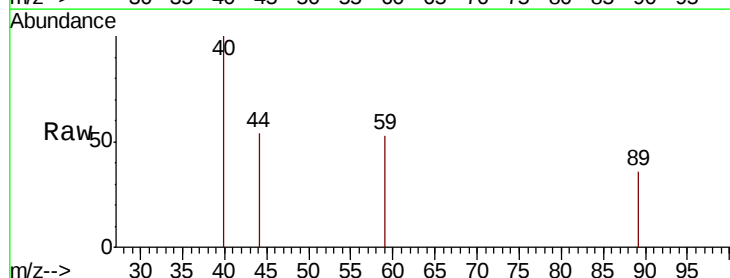
Acq: 20 Feb 2020 12:37

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

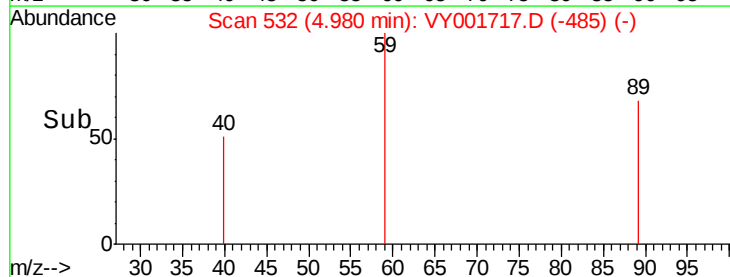
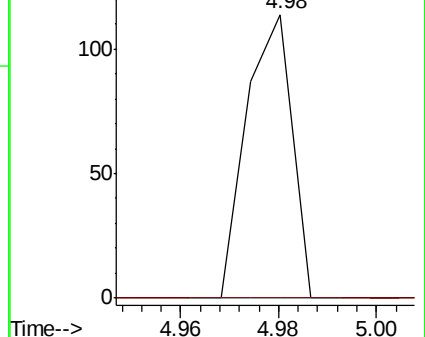
59 100

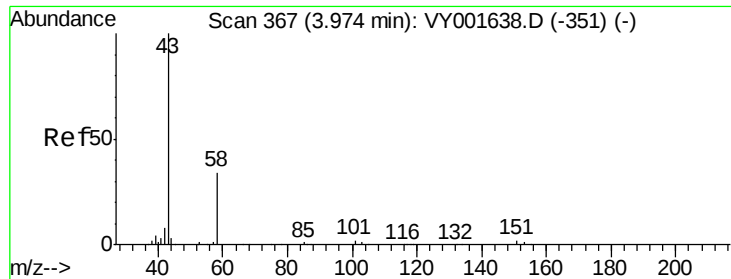
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001717.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001717.D (-485) (-)





#16

Acetone

Concen: 2.968 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

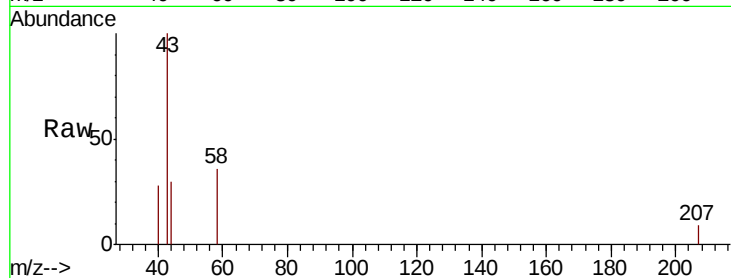
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1946

Ion Ratio Lower Upper

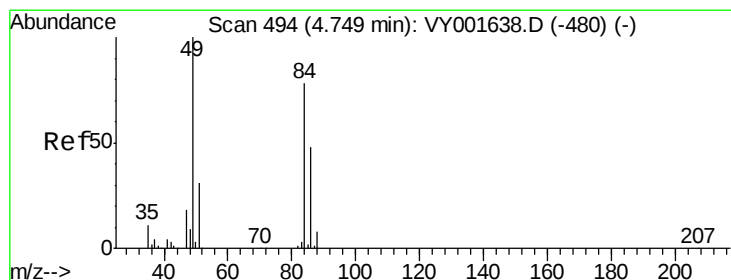
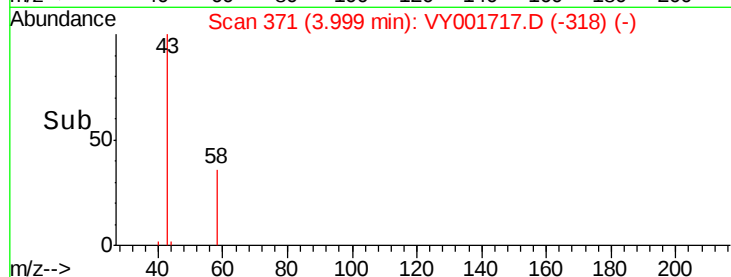
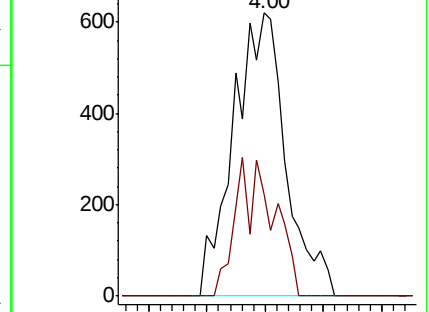
43 100

58 35.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001717.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VY001717.D (-371) (-)



#20

Methylene Chloride

Concen: 1.131 ug/l

RT: 4.76 min Scan# 496

Delta R.T. 0.01 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

Tgt Ion: 84 Resp: 2633

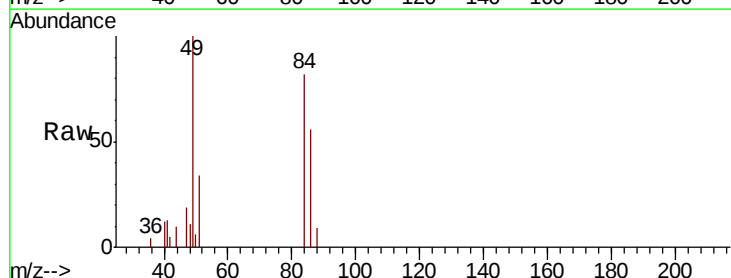
Ion Ratio Lower Upper

84 100

49 117.2 99.2 148.8

51 41.0 31.5 47.3

86 68.4 51.0 76.6

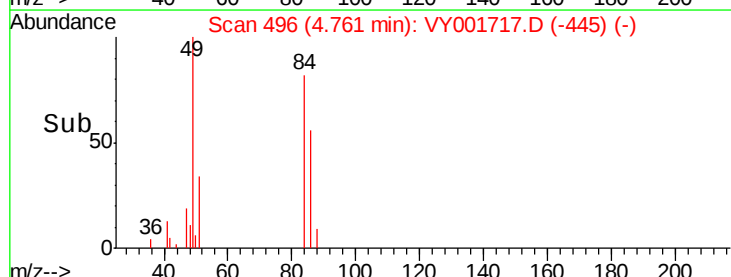
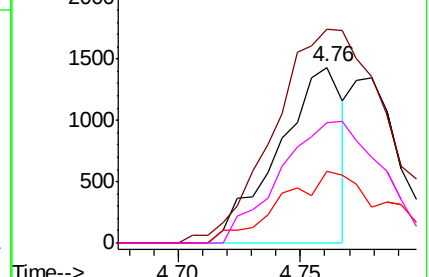


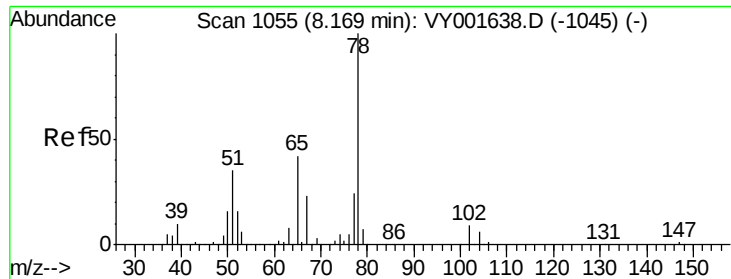
Abundance Ion 83.90 (83.60 to 84.60): VY001717.D (-496) (-)

Ion 48.90 (48.60 to 49.60): VY001717.D (-496) (-)

Ion 50.90 (50.60 to 51.60): VY001717.D (-496) (-)

Ion 85.90 (85.60 to 86.60): VY001717.D (-496) (-)

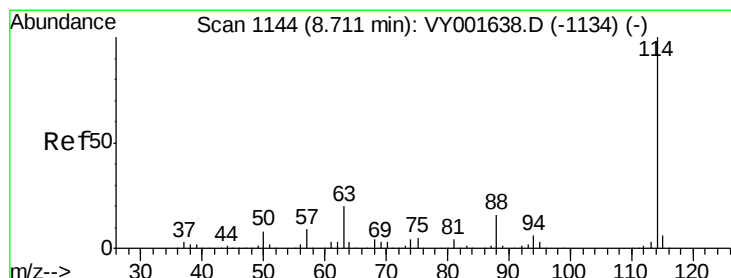
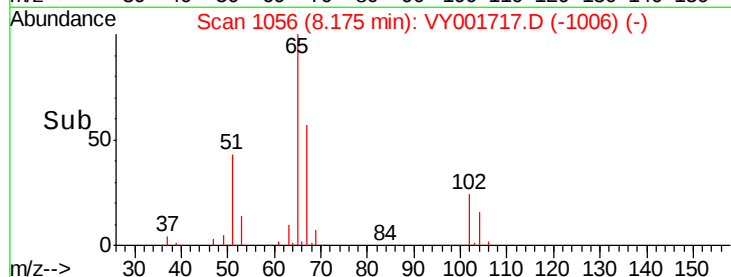
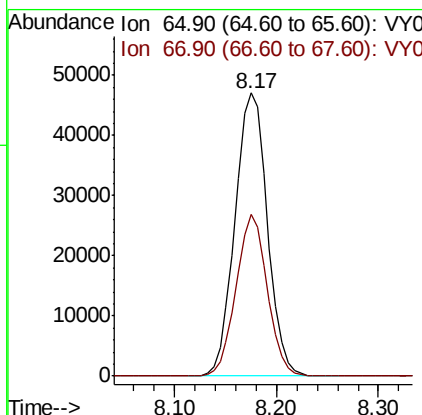
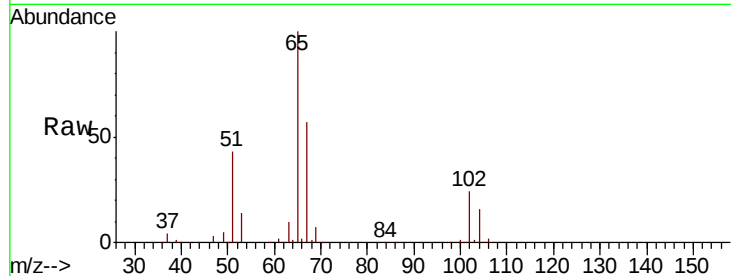




#33
 1,2-Dichloroethane-d4
 Concen: 54.698 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001717.D
 Acq: 20 Feb 2020 12:37

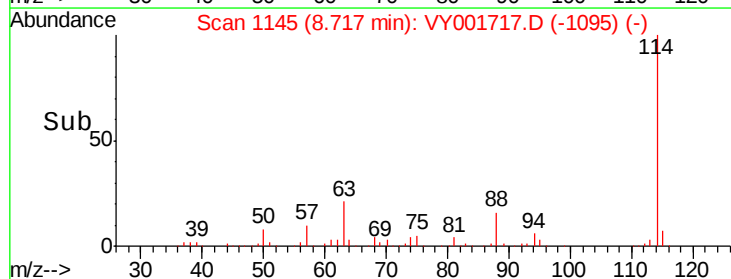
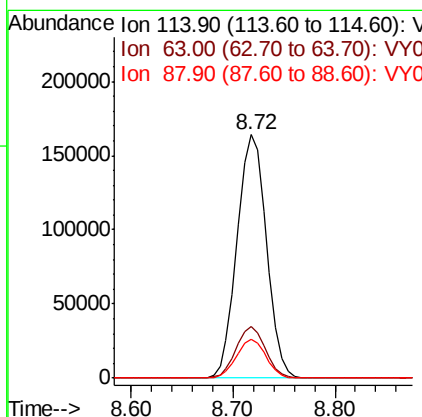
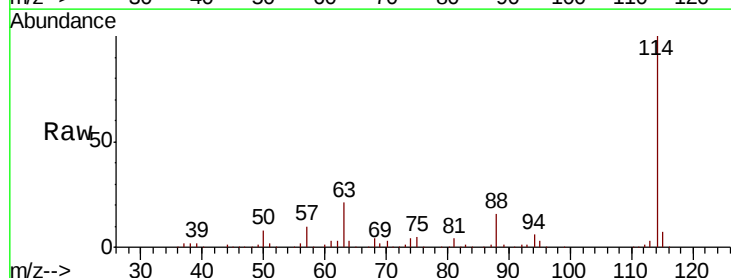
Instrument :
 MSVOA_Y
 ClientSampled :

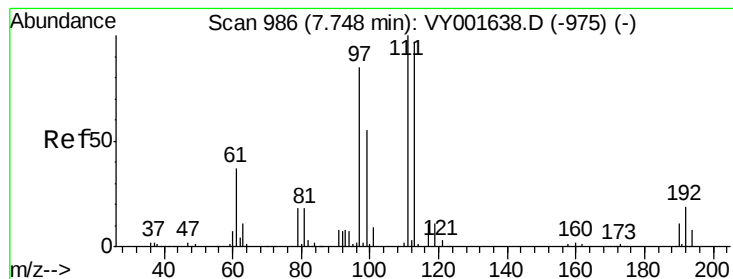
Tot Ion: 65 Resp: 103649
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001717.D
 Acq: 20 Feb 2020 12:37

Tgt Ion: 114 Resp: 328486
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.750 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

Instrument :
MSVOA_Y
ClientSampleId :

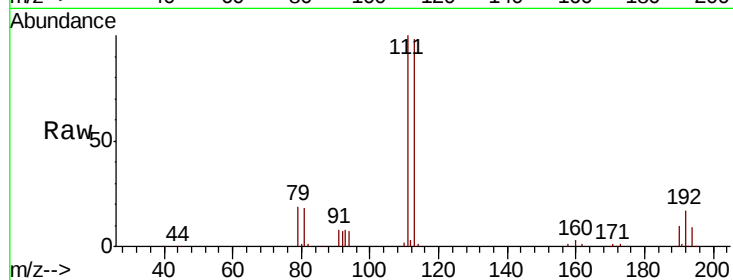
Tot Ion:113 Resp: 93601

Ion Ratio Lower Upper

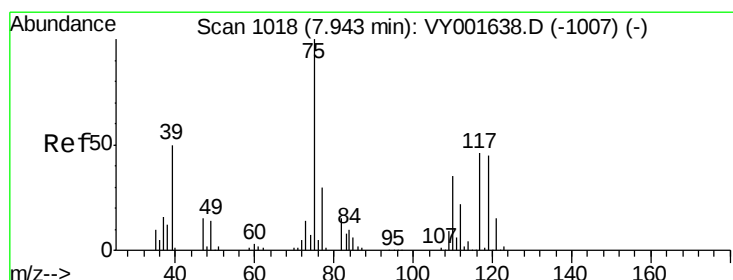
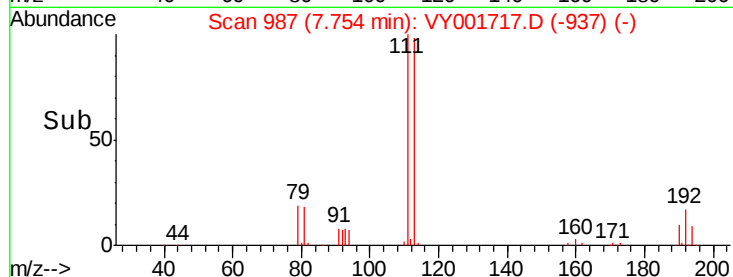
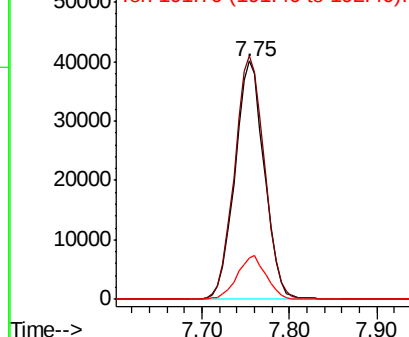
113 100

111 103.9 81.9 122.9

192 18.0 14.3 21.5



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: 4.669 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

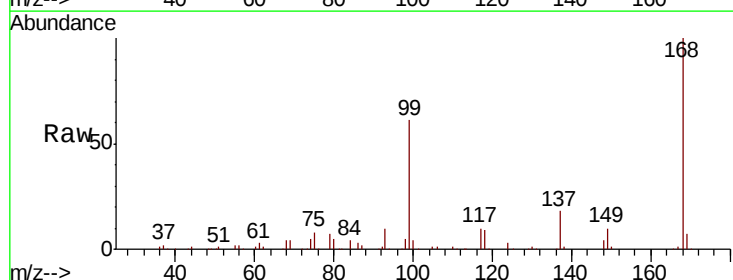
Tgt Ion: 75 Resp: 14651

Ion Ratio Lower Upper

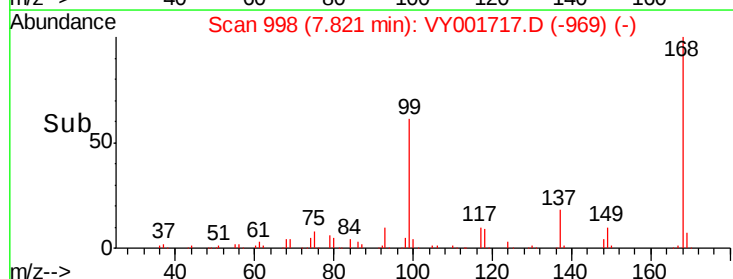
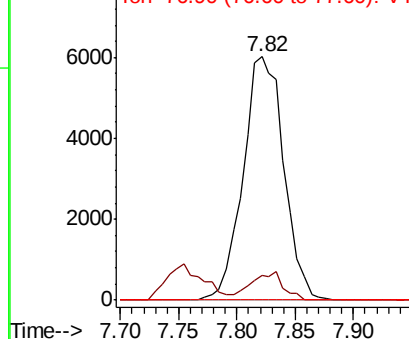
75 100

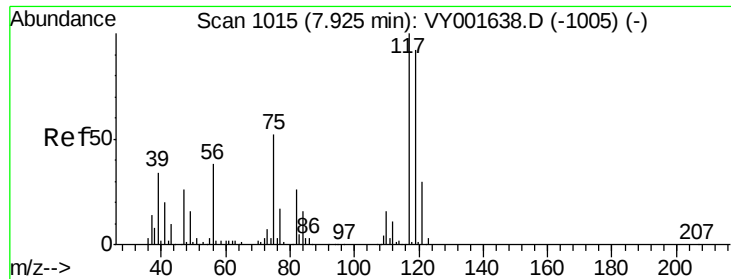
110 9.5 17.2 51.6#

77 0.0 24.8 37.2#



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: 6.516 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

Instrument :

MSVOA_Y

ClientSampleId :

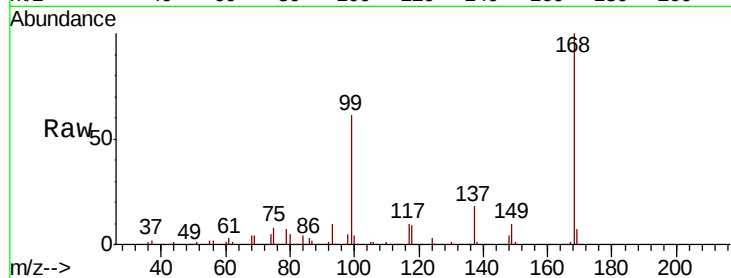
Tot Ion:117 Resp: 17958

Ion Ratio Lower Upper

117 100

119 3.4 74.8 112.2#

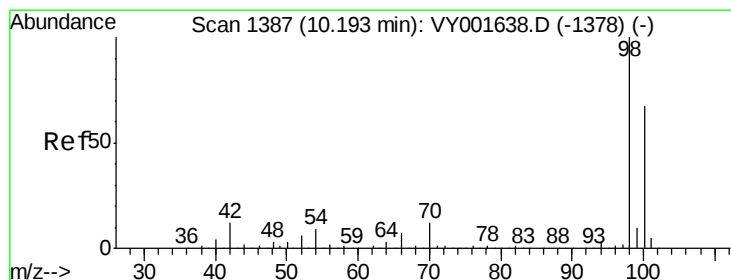
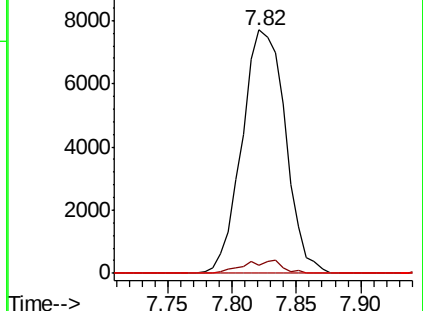
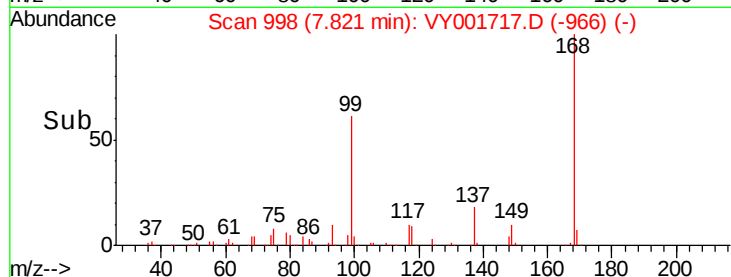
121 0.0 23.8 35.6#



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



#50

Toluene-d8

Concen: 53.430 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001717.D

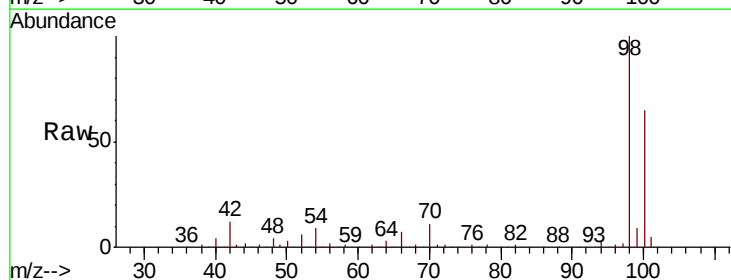
Acq: 20 Feb 2020 12:37

Tgt Ion: 98 Resp: 393823

Ion Ratio Lower Upper

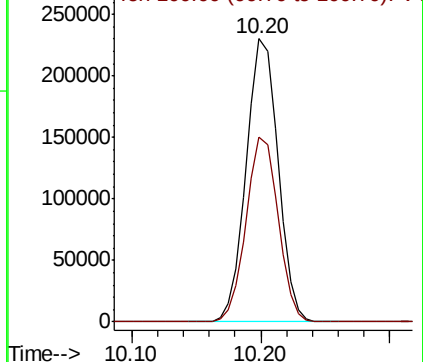
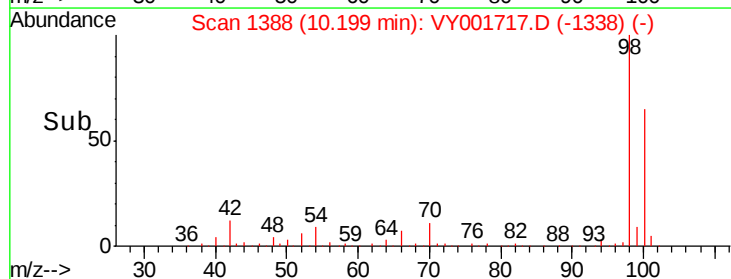
98 100

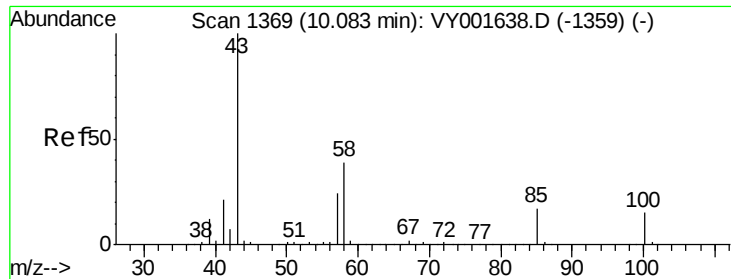
100 65.6 53.0 79.4



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: 1.004 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

Instrument :

MSVOA_Y

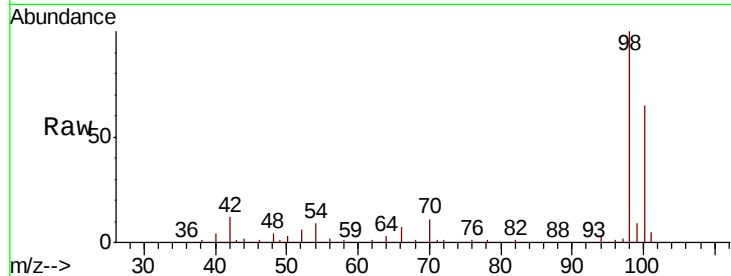
ClientSampleId :

Tot Ion: 43 Resp: 1833

Ion Ratio Lower Upper

43 100

58 176.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1359) (-)

2000

1500

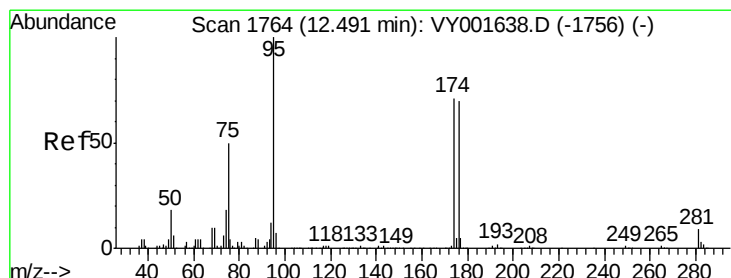
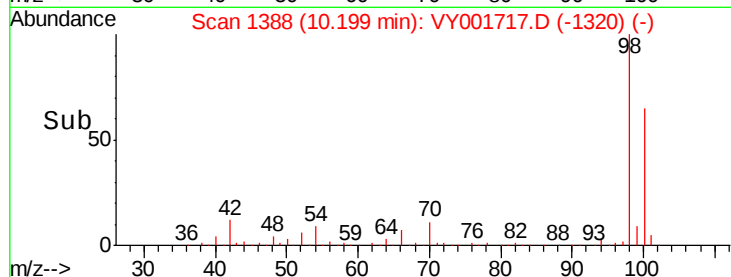
1000

500

0

10.15 10.20 10.25

Time-->



#62

4-Bromofluorobenzene

Concen: 45.169 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001717.D

Acq: 20 Feb 2020 12:37

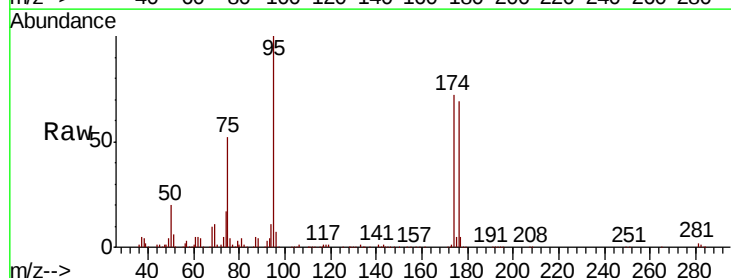
Tgt Ion: 95 Resp: 129343

Ion Ratio Lower Upper

95 100

174 73.1 0.0 138.4

176 71.5 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)

100000

80000

60000

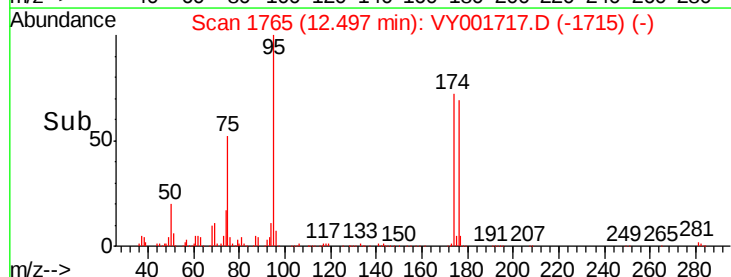
40000

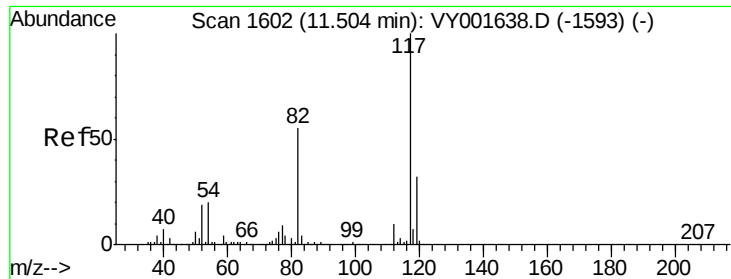
20000

0

12.40 12.45 12.50 12.55

Time-->

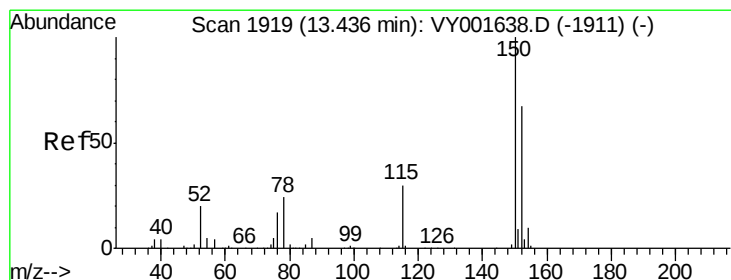
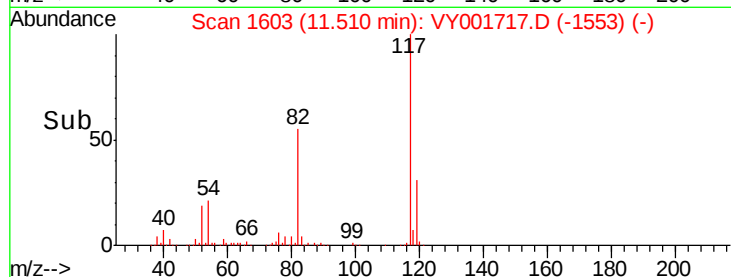
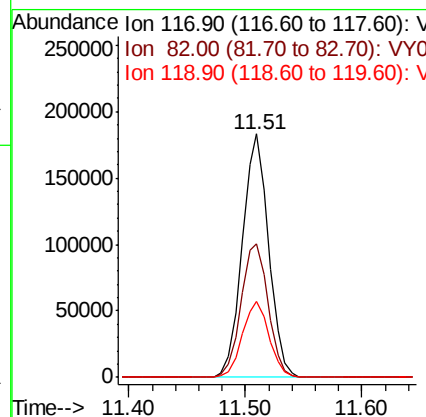
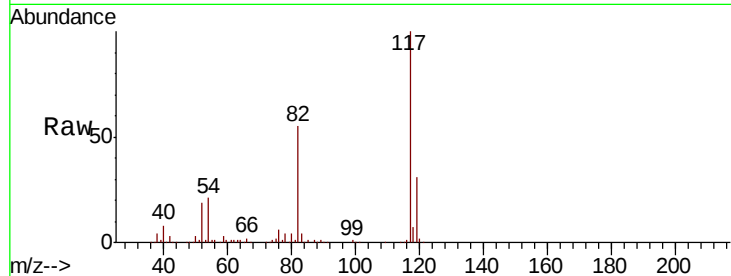




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001717.D
Acq: 20 Feb 2020 12:37

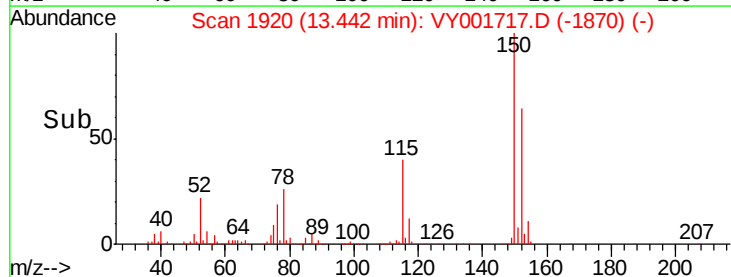
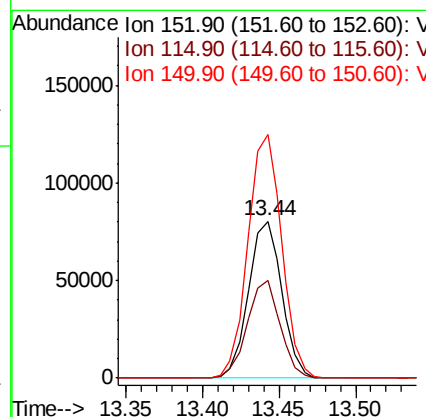
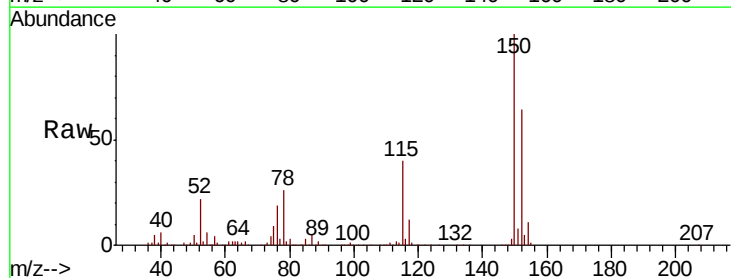
Instrument :
MSVOA_Y
ClientSampleId :

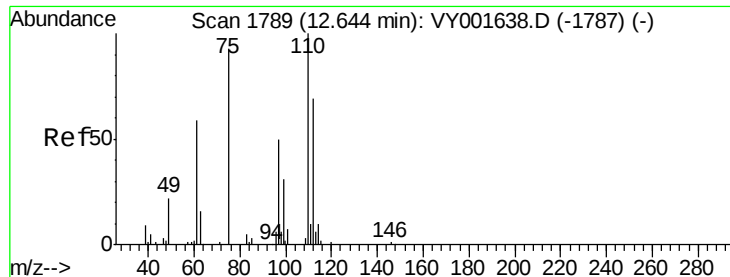
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.5	68.3
119	31.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001717.D
Acq: 20 Feb 2020 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.4	94.2
150	157.2	0.0	407.2

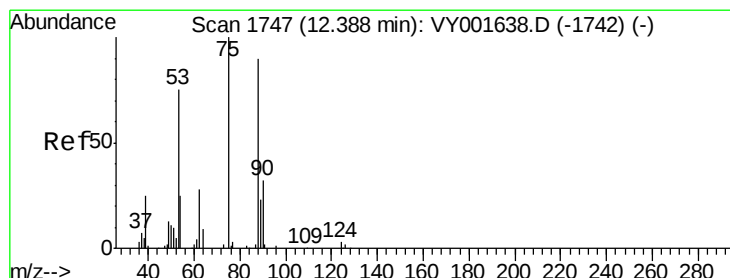
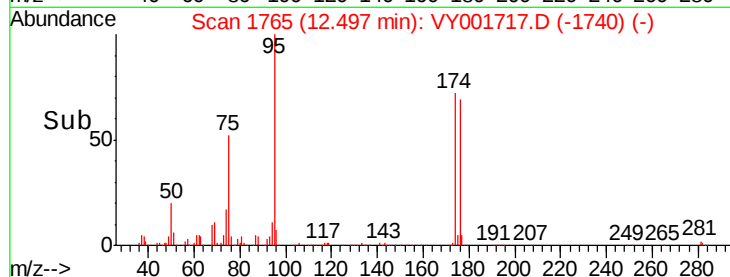
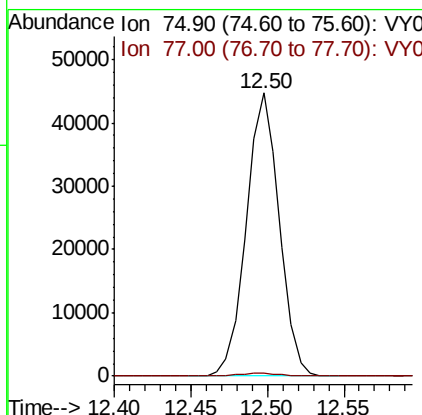
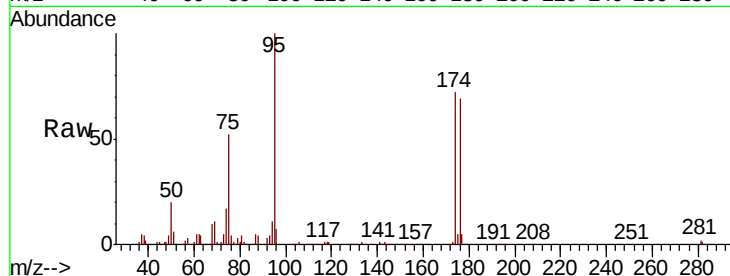




#76
 1,2,3-Trichloropropane
 Concen: 47.801 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.15 min
 Lab File: VY001717.D
 Acq: 20 Feb 2020 12:37

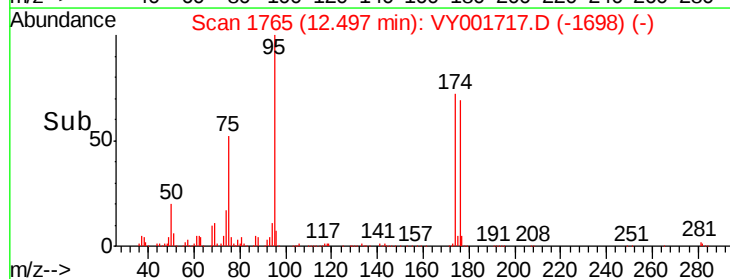
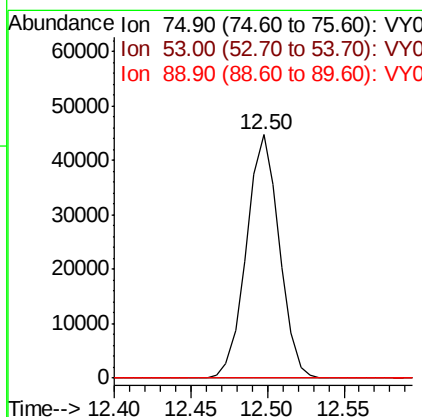
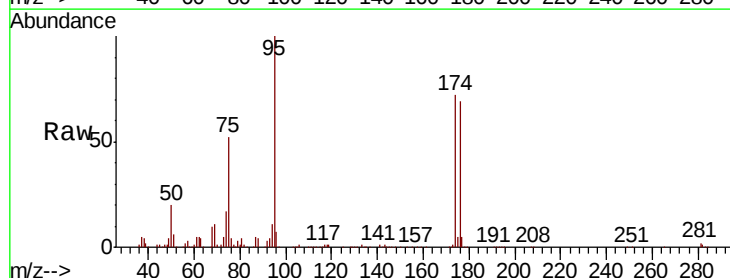
Instrument :
 MSVOA_Y
 ClientSampleId :

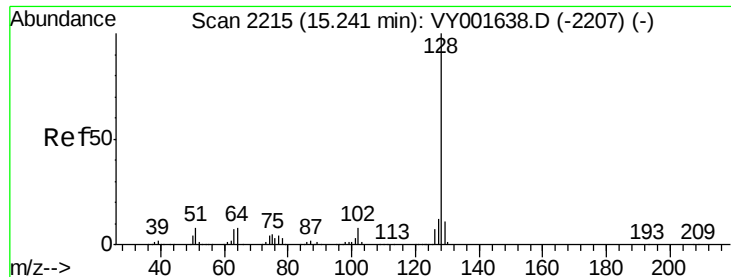
Tot Ion: 75 Resp: 66734
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.686 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY001717.D
 Acq: 20 Feb 2020 12:37

Tgt Ion: 75 Resp: 66734
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.1 36.3 54.5#





#95
 Naphthalene
 Concen: 4.394 ug/l
 RT: 15.25 min Scan# 2217
 Delta R.T. 0.01 min
 Lab File: VY001717.D
 Acq: 20 Feb 2020 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.9	14.9
129	11.9	8.6	13.0

