

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002496.D
 Acq On : 28 Apr 2020 15:49
 Operator : SY/MD
 Sample : L2428-06RE
 Misc : 5.04G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 29 00:28:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	257633	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	405809	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	369954	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	184798	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	131540	58.42	ug/l	-0.01
Spiked Amount						
			Recovery	=	116.84%	
35) Dibromofluoromethane	7.73	113	122963	53.72	ug/l	-0.02
Spiked Amount						
			Recovery	=	107.44%	
50) Toluene-d8	10.19	98	477908	51.95	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.49	95	153862	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	

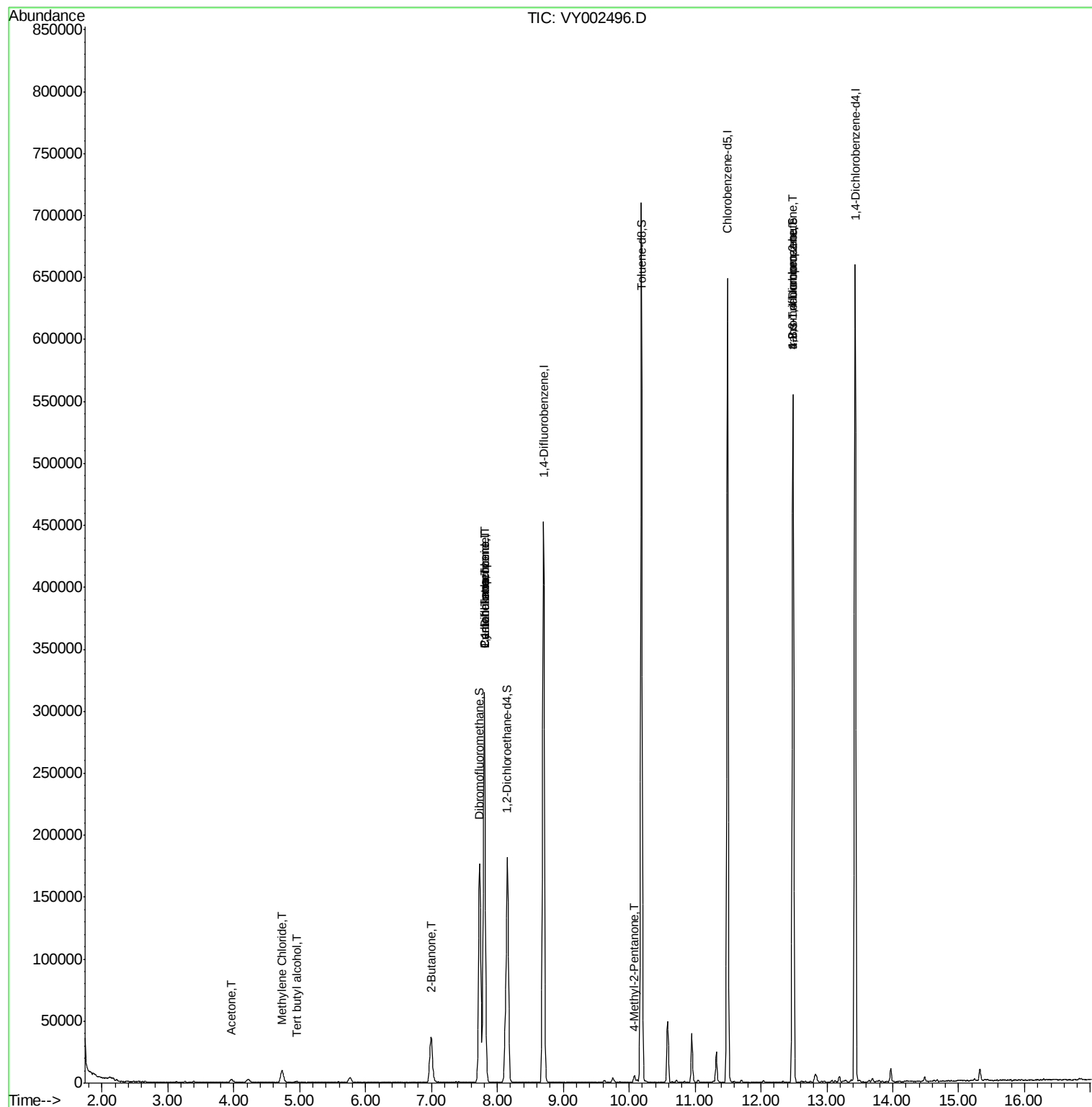
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1502	7.087	ug/l #	72
16) Acetone	3.96	43	4409	9.369	ug/l	95
20) Methylene Chloride	4.72	84	7887	2.936	ug/l	87
25) 2-Butanone	7.00	43	2108	2.924	ug/l #	75
31) Cyclohexane	7.80	56	4132	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16136	4.637	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23382	5.843	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3864	2.275	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	76144	48.615	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	76144	89.961	ug/l #	15

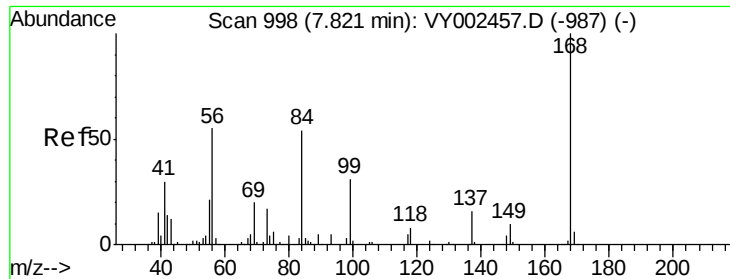
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

Instrument :

MSVOA_Y

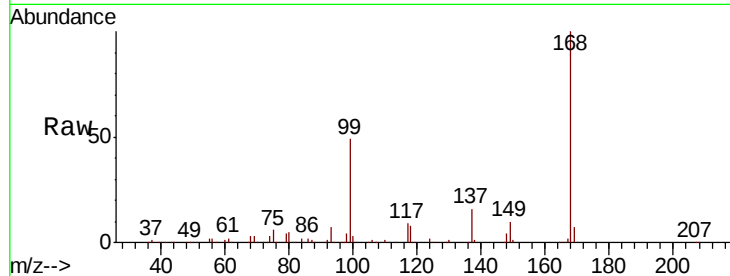
ClientSampleId :

Tot Ion:168 Resp: 257633

Ion Ratio Lower Upper

168 100

99 49.3 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

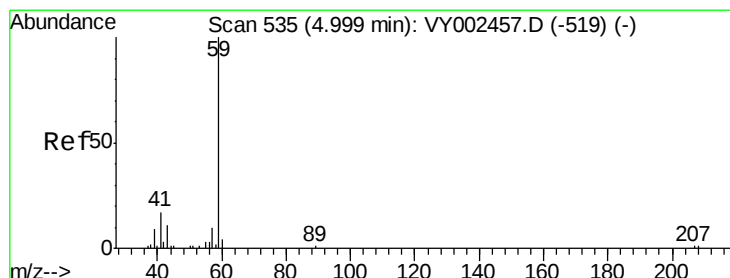
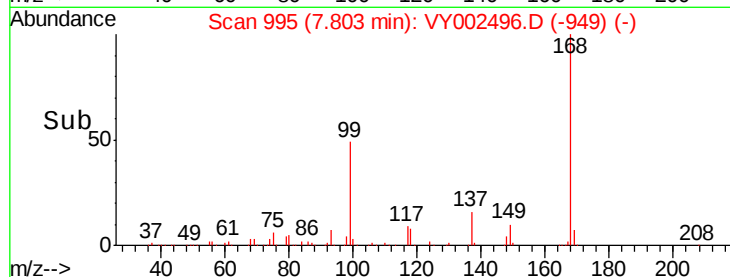
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.087 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.04 min

Lab File: VY002496.D

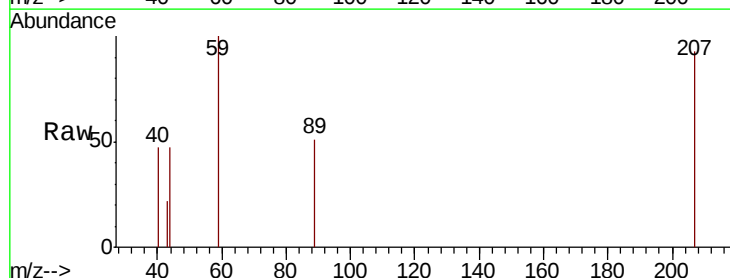
Acq: 28 Apr 2020 15:49

Tgt Ion: 59 Resp: 1502

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VY002457.D (-519) (-)

4.96

400

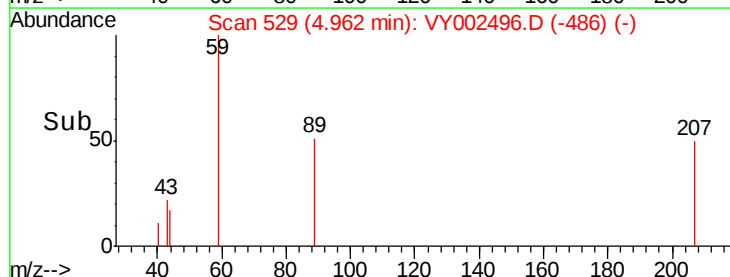
300

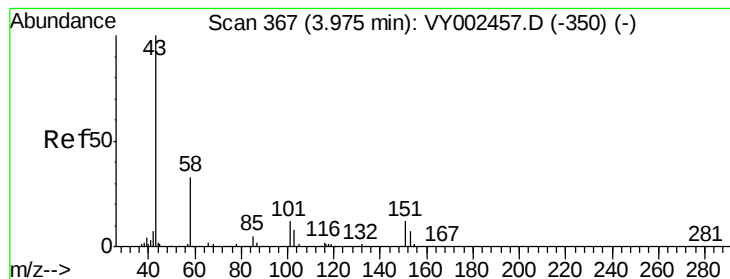
200

100

0

Time-->





#16

Acetone

Concen: 9.369 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

Instrument :

MSVOA_Y

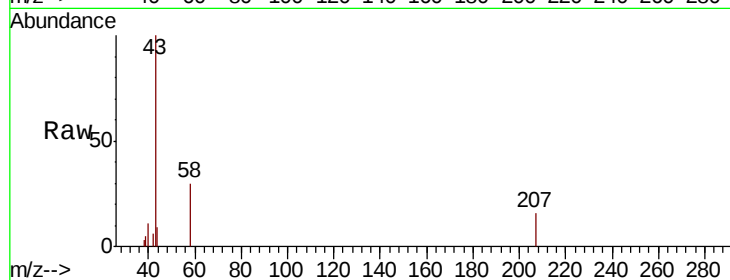
ClientSampleId :

Tot Ion: 43 Resp: 4409

Ion Ratio Lower Upper

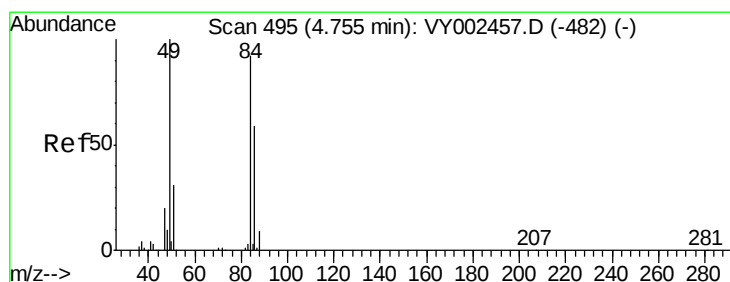
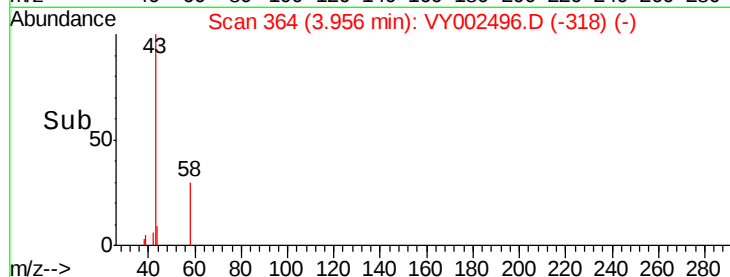
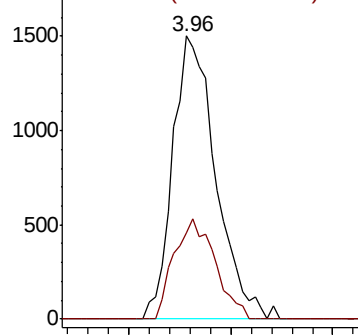
43 100

58 30.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY002457.D (-350) (-)

Ion 58.00 (57.70 to 58.70): VY002457.D (-350) (-)



#20

Methylene Chloride

Concen: 2.936 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.03 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

Tgt Ion: 84 Resp: 7887

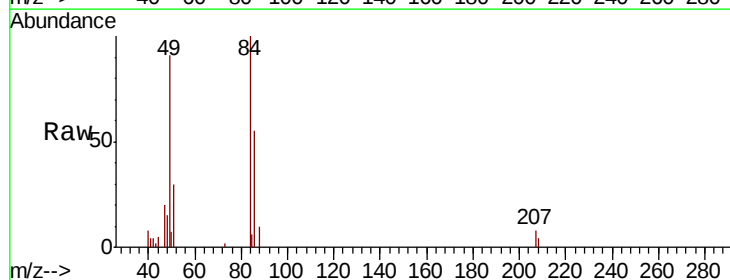
Ion Ratio Lower Upper

84 100

49 90.9 86.9 130.3

51 30.5 27.3 40.9

86 55.4 51.0 76.6

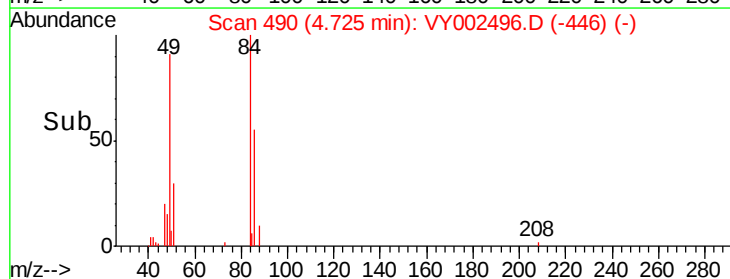
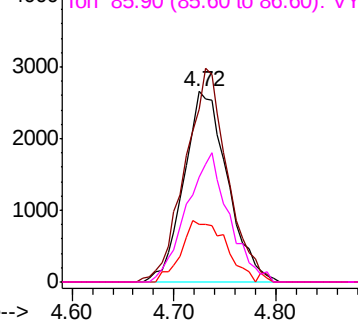


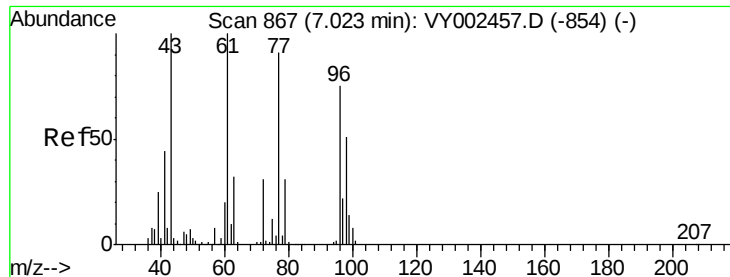
Abundance Ion 83.90 (83.60 to 84.60): VY002457.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VY002457.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VY002457.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VY002457.D (-482) (-)





#25

2-Butanone

Concen: 2.924 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

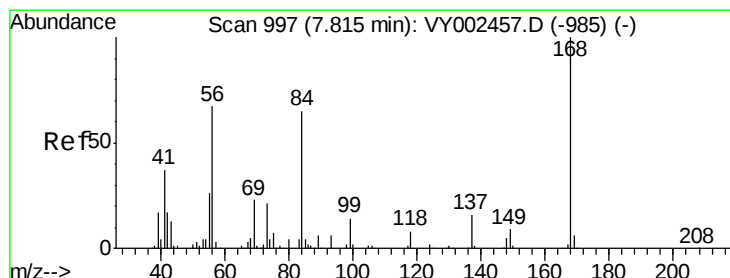
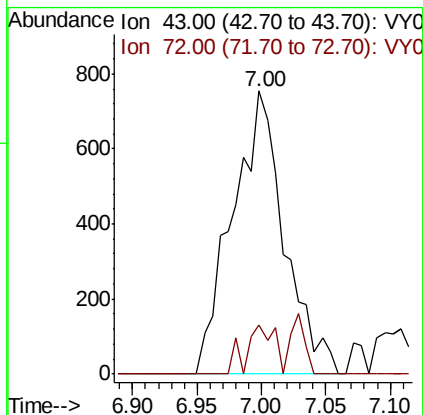
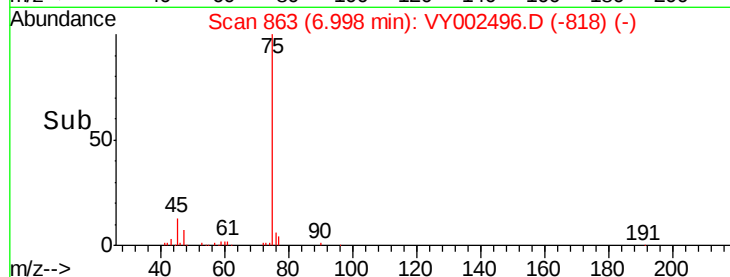
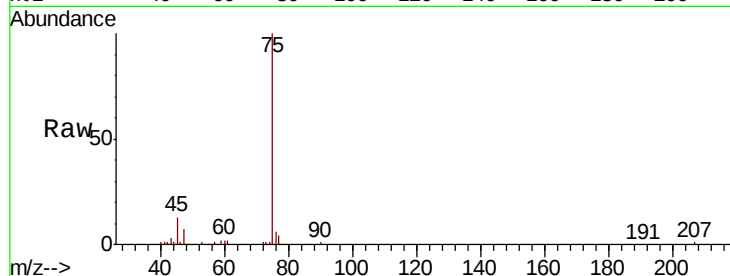
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2108

Ion Ratio Lower Upper

43 100

72 17.2 24.8 37.2#



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

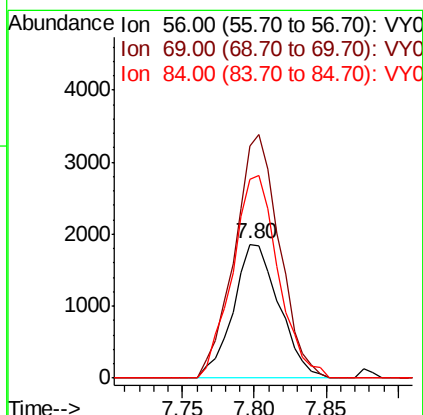
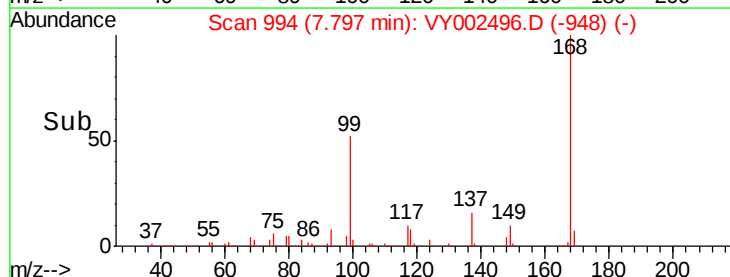
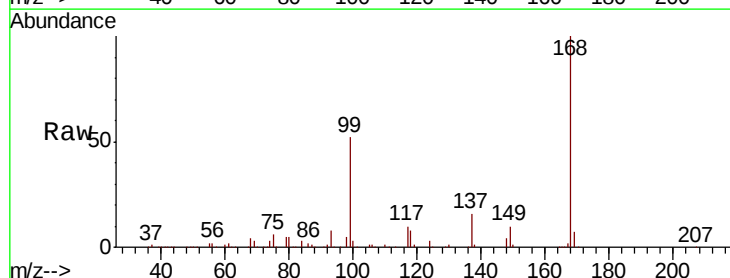
Tgt Ion: 56 Resp: 4132

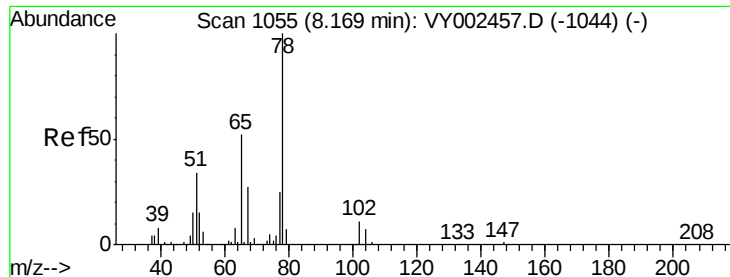
Ion Ratio Lower Upper

56 100

69 172.9 27.0 40.6#

84 148.6 77.4 116.2#





#33

1,2-Dichloroethane-d4

Concen: 58.416 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

Instrument :

MSVOA_Y

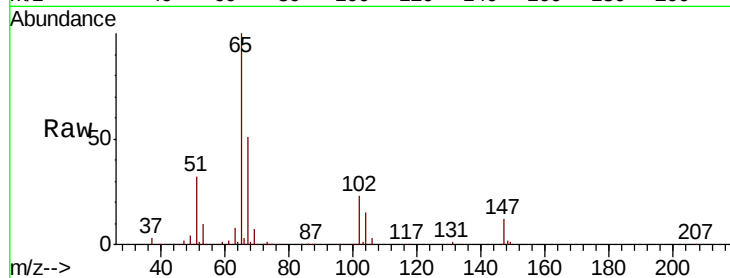
ClientSampleId :

Tot Ion: 65 Resp: 131540

Ion Ratio Lower Upper

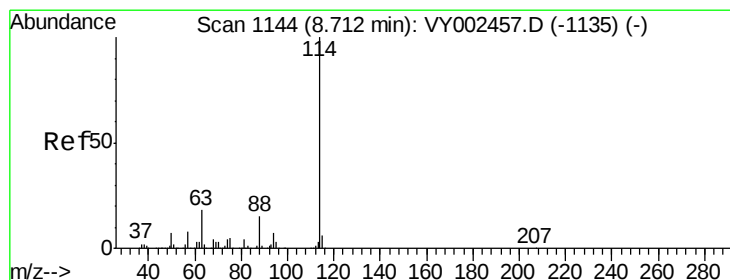
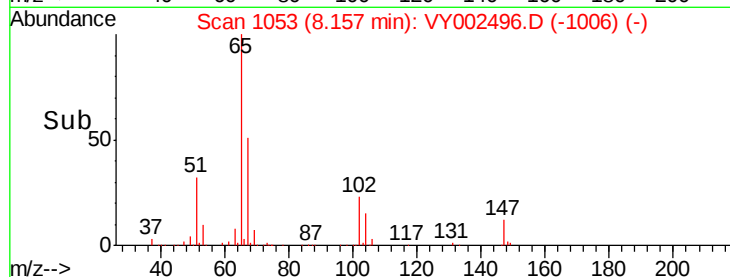
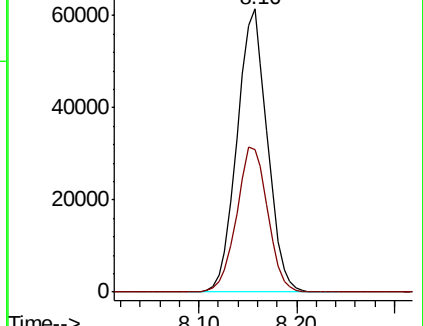
65 100

67 52.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VY002457.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002457.D (-1044) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

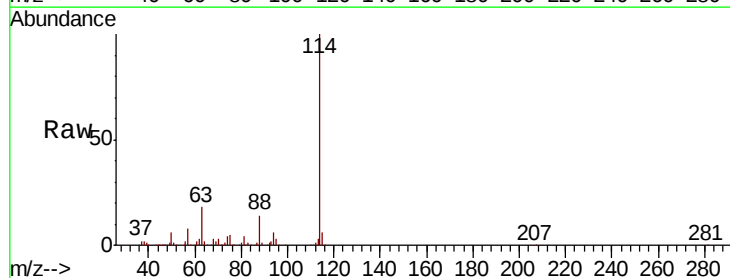
Tgt Ion: 114 Resp: 405809

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

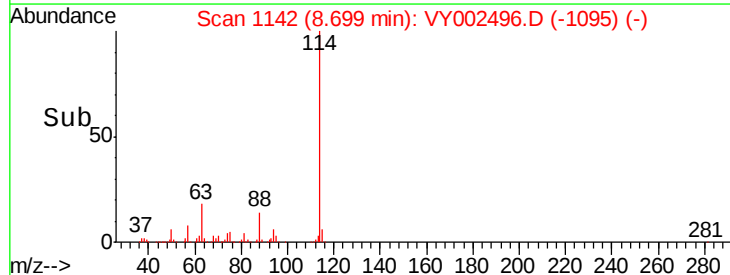
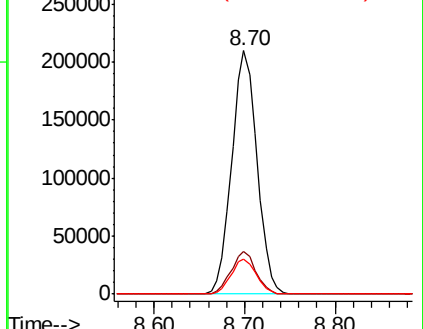
88 14.3 0.0 29.4

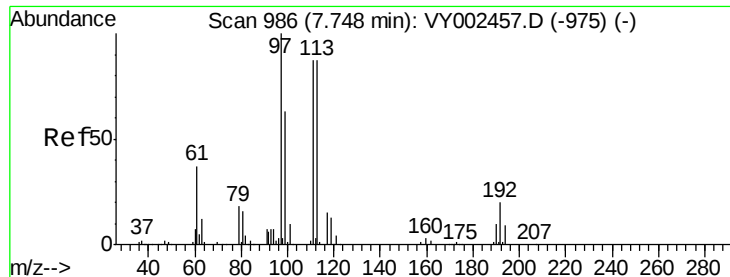


Abundance Ion 113.90 (113.60 to 114.60): VY002457.D (-1135) (-)

Ion 63.00 (62.70 to 63.70): VY002457.D (-1135) (-)

Ion 87.90 (87.60 to 88.60): VY002457.D (-1135) (-)

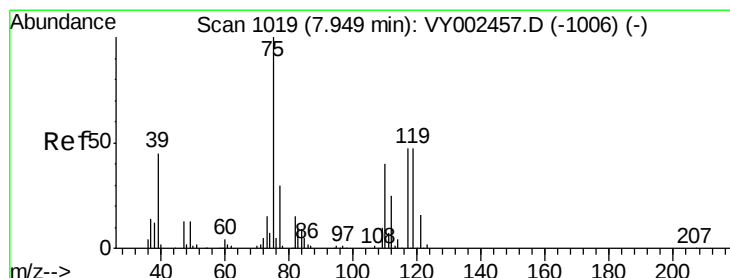
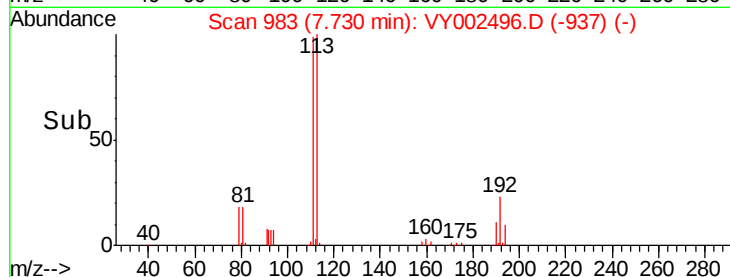
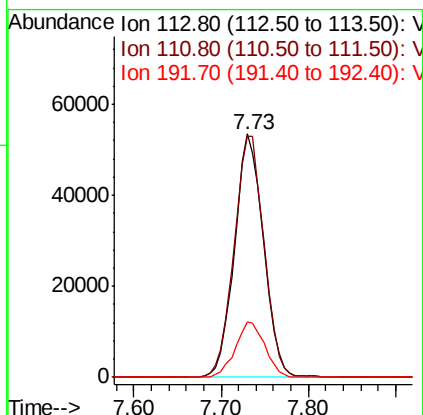
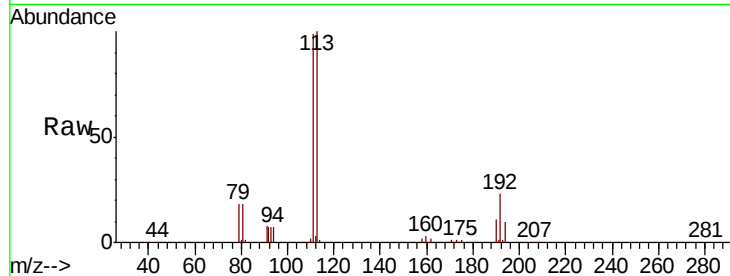




#35
 Dibromofluoromethane
 Concen: 53.720 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY002496.D
 Acq: 28 Apr 2020 15:49

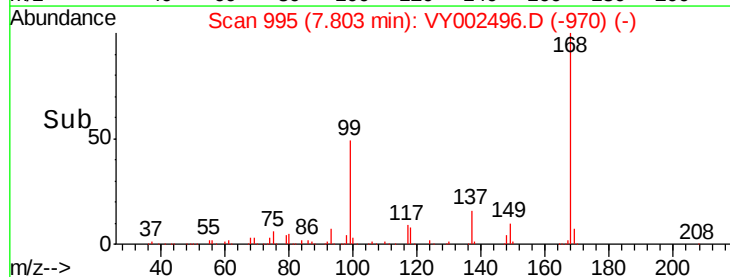
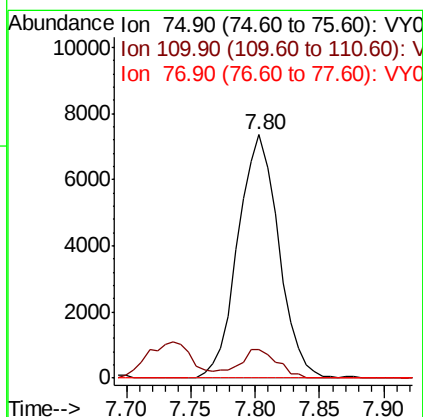
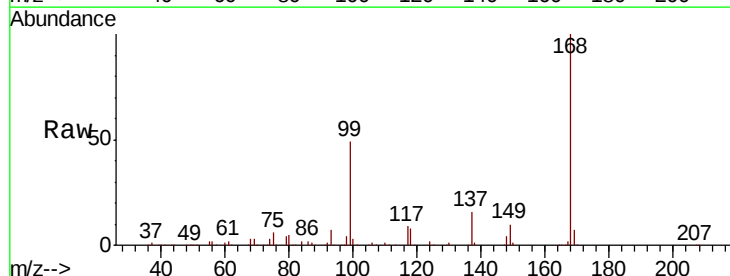
Instrument :
 MSVOA_Y
 ClientSampleId :

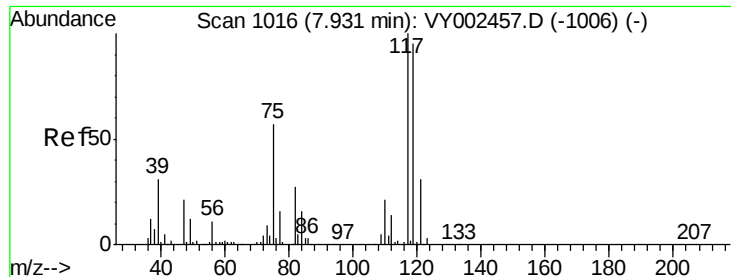
Tot Ion:113 Resp: 122963
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.4
 192 23.2 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.15 min
 Lab File: VY002496.D
 Acq: 28 Apr 2020 15:49

Tgt Ion: 75 Resp: 16136
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.4 58.4#
 77 0.0 24.7 37.1#

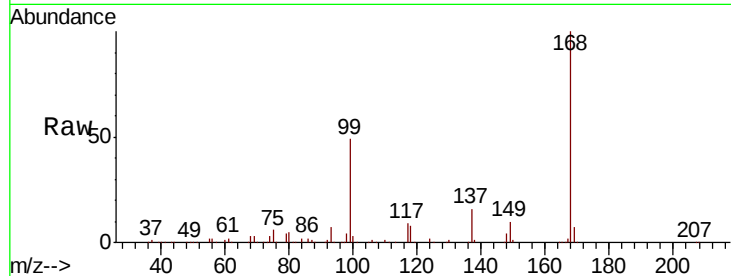




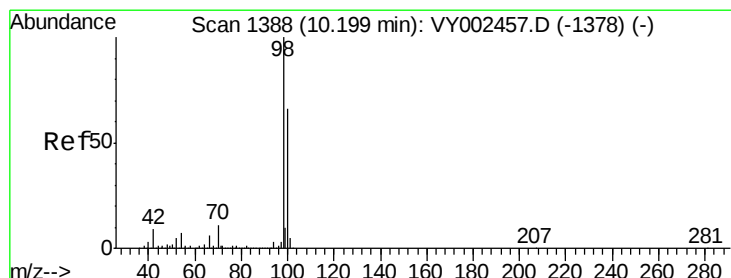
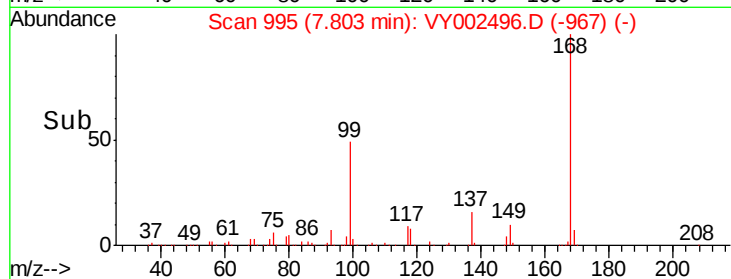
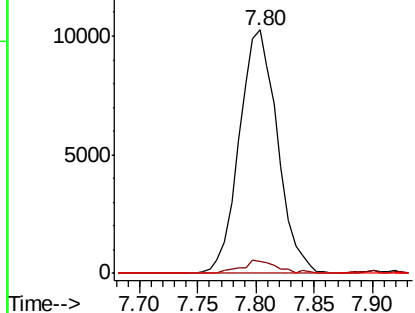
#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.13 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 23382
Ion Ratio Lower Upper
117 100
119 5.1 75.9 113.9#
121 0.0 24.5 36.7#

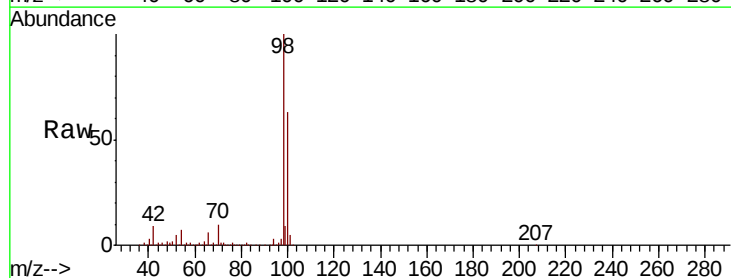


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

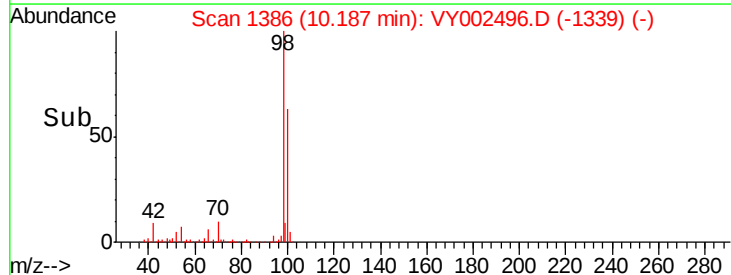
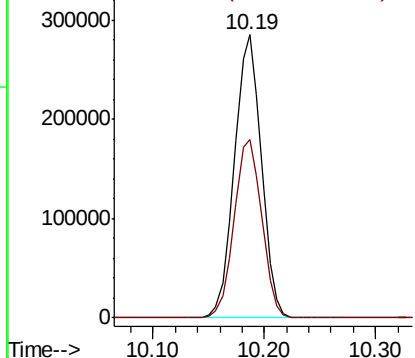


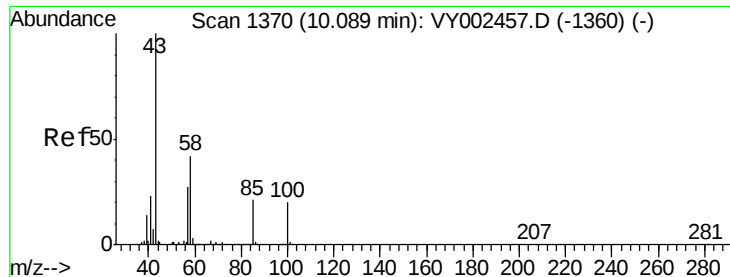
#50
Toluene-d8
Concen: 51.947 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

Tgt Ion: 98 Resp: 477908
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7



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

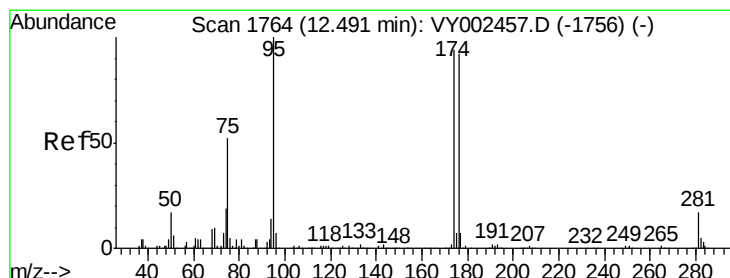
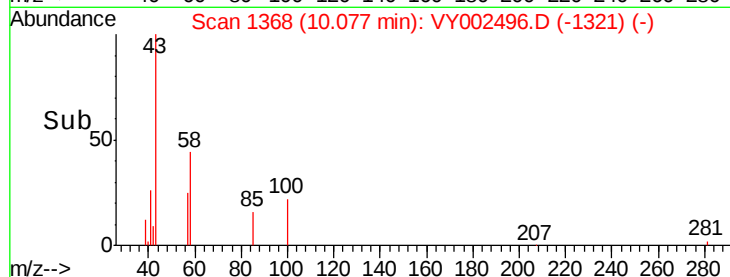
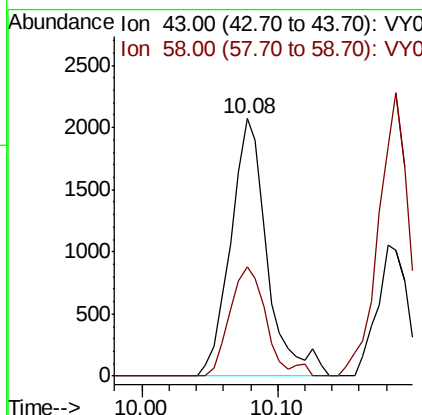
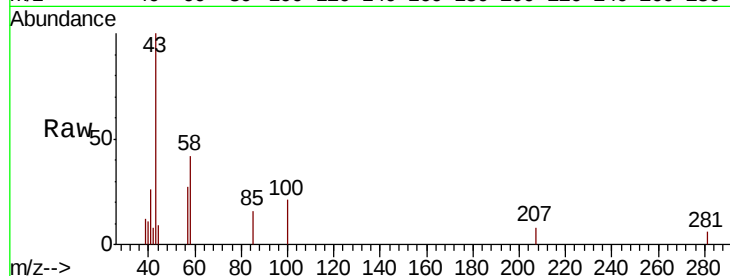




#51
4-Methyl-2-Pentanone
Concen: 2.275 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

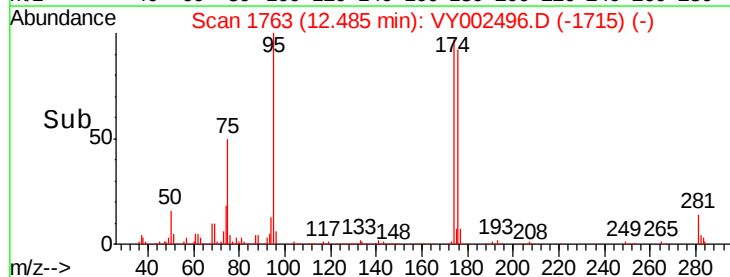
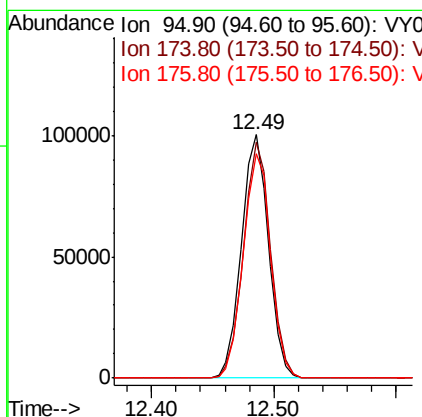
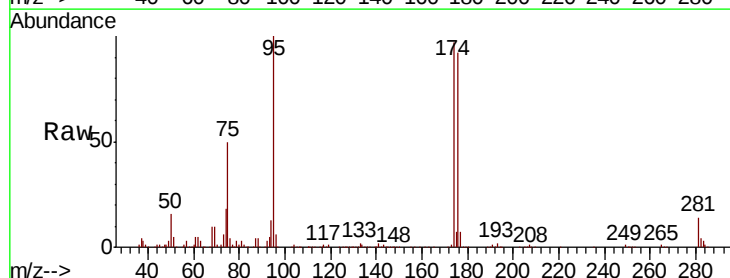
Instrument :
MSVOA_Y
ClientSampled :

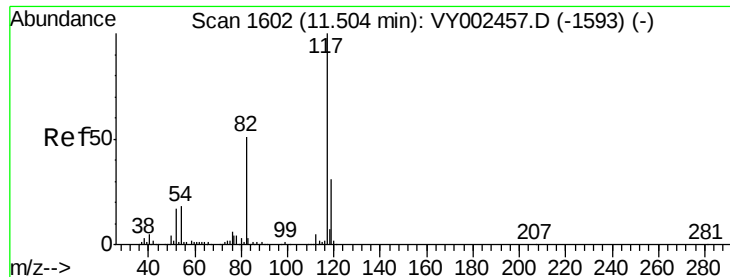
Tot Ion: 43 Resp: 3864
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8



#62
4-Bromofluorobenzene
Concen: 49.843 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

Tgt Ion: 95 Resp: 153862
Ion Ratio Lower Upper
95 100
174 97.2 0.0 193.0
176 93.8 0.0 190.4

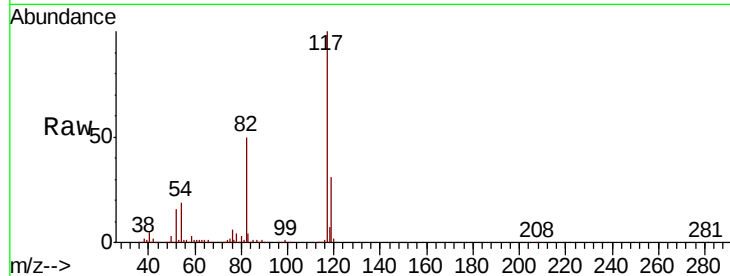




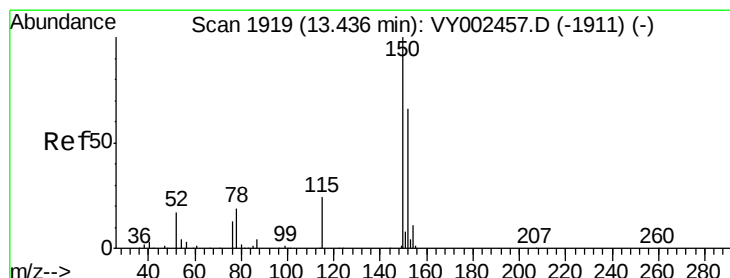
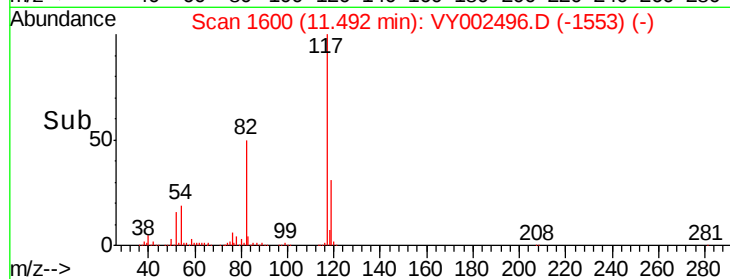
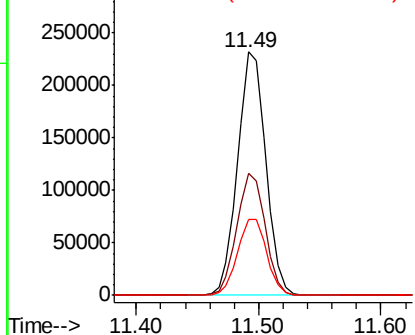
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 369954
Ion Ratio Lower Upper
117 100
82 50.1 40.8 61.2
119 31.4 25.2 37.8

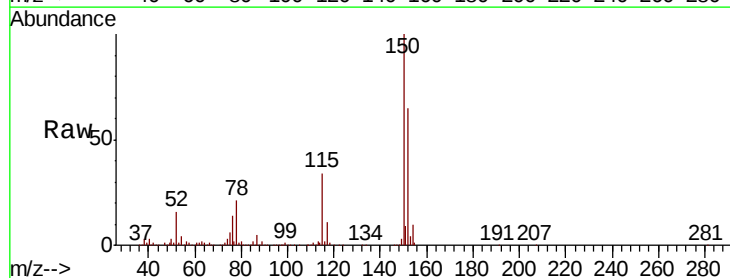


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

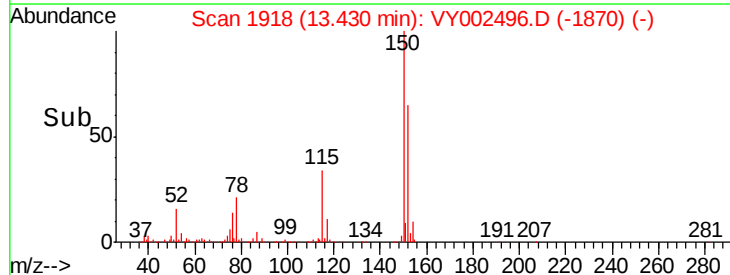
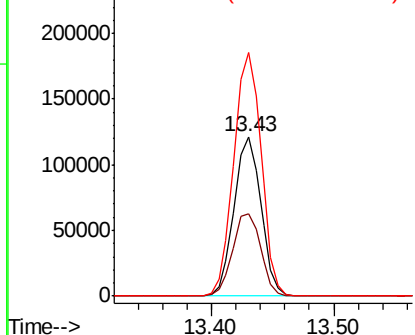


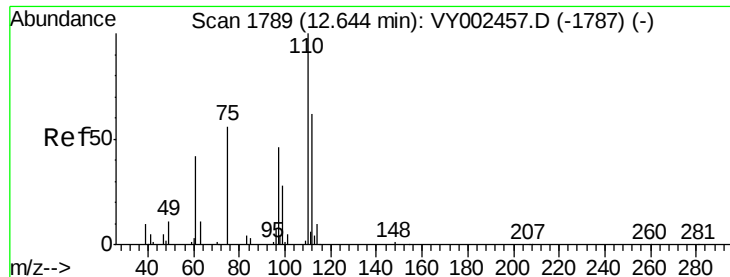
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002496.D
Acq: 28 Apr 2020 15:49

Tgt Ion:152 Resp: 184798
Ion Ratio Lower Upper
152 100
115 54.0 27.3 81.8
150 155.5 0.0 346.8



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: 48.615 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

Instrument :

MSVOA_Y

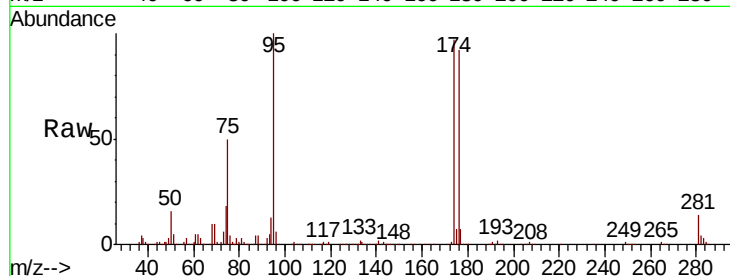
ClientSampleId :

Tot Ion: 75 Resp: 76144

Ion Ratio Lower Upper

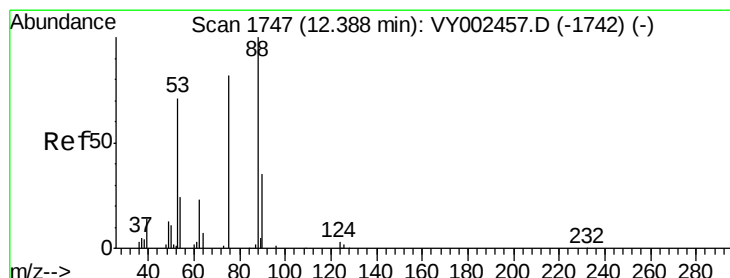
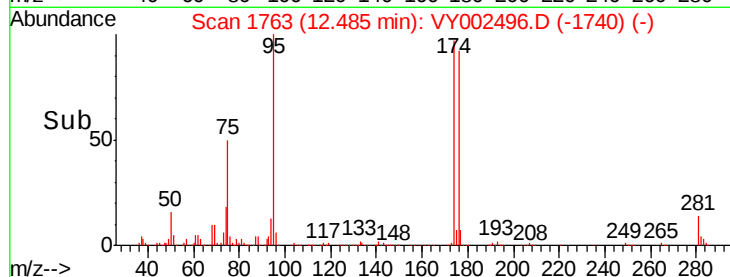
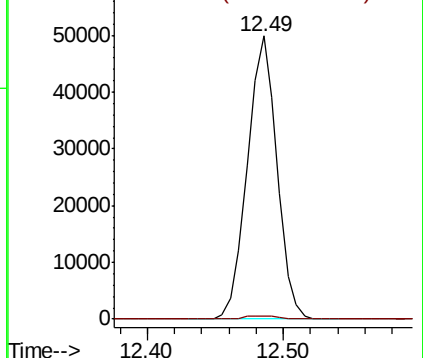
75 100

77 1.3 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: 89.961 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002496.D

Acq: 28 Apr 2020 15:49

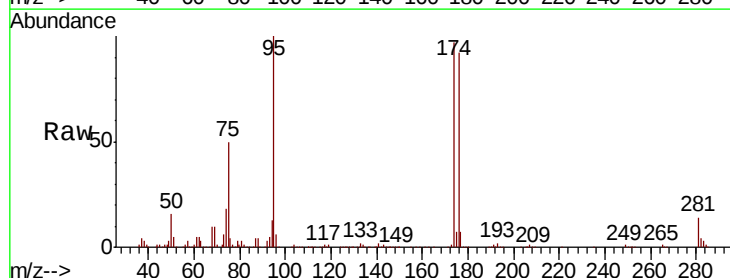
Tgt Ion: 75 Resp: 76144

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.5 34.9 52.3#



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

