

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002166.D
 Acq On : 01 Apr 2020 16:26
 Operator : SY/MD
 Sample : 12102-02
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:23:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	115473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	224227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	208023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	89650	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	73229	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	7.74	113	64902	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
50) Toluene-d8	10.19	98	272809	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.49	95	92829	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	

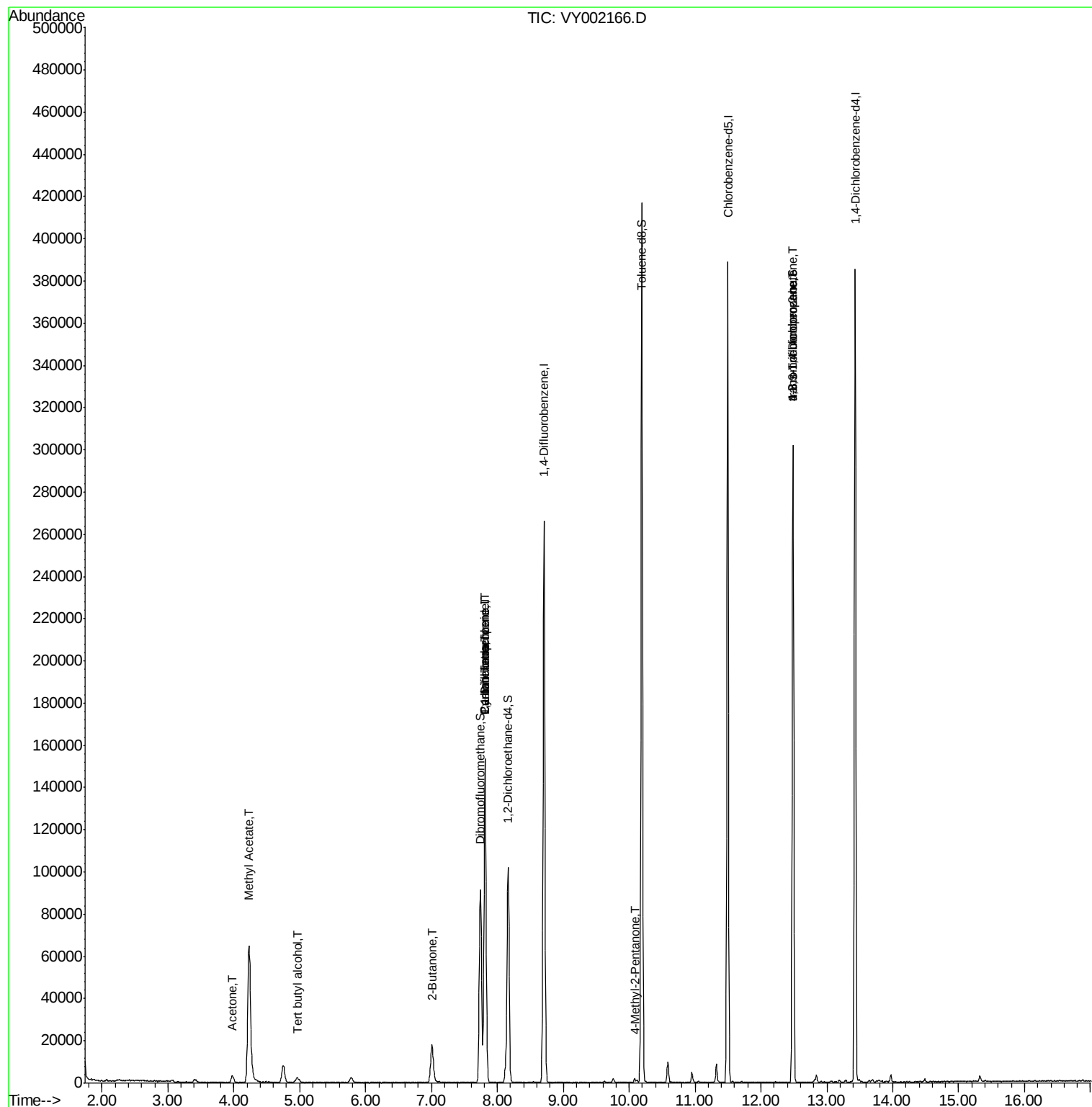
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	125	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	2964	19.703	ug/l #	74
16) Acetone	3.98	43	5872	16.373	ug/l	100
18) Methyl Acetate	4.22	43	21323	22.896	ug/l #	53
20) Methylene Chloride	4.76	84	6152	Below Cal		89
25) 2-Butanone	7.02	43	1110	2.016	ug/l #	50
31) Cyclohexane	7.81	56	2858	1.075	ug/l #	11
36) 1,1-Dichloropropene	7.81	75	10035	4.732	ug/l #	50
38) Carbon Tetrachloride	7.82	117	11872	6.598	ug/l #	18
51) 4-Methyl-2-Pentanone	10.08	43	1490	1.216	ug/l #	87
76) 1,2,3-Trichloropropane	12.49	75	48350	48.214	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	48350	93.408	ug/l #	17

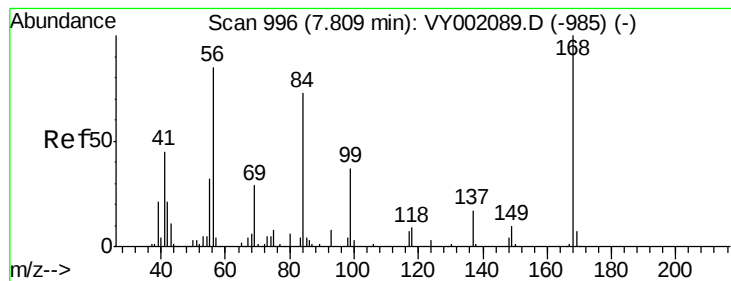
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

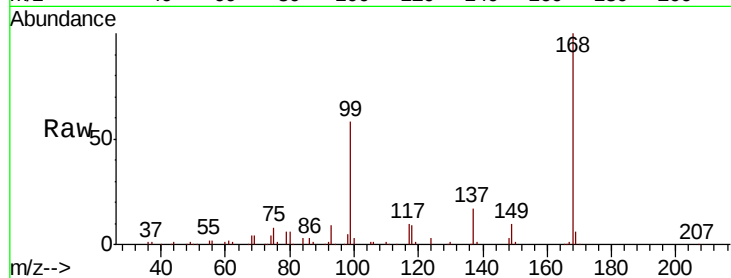
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 115473

Ion Ratio Lower Upper

168 100

99 58.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.82

60000

50000

40000

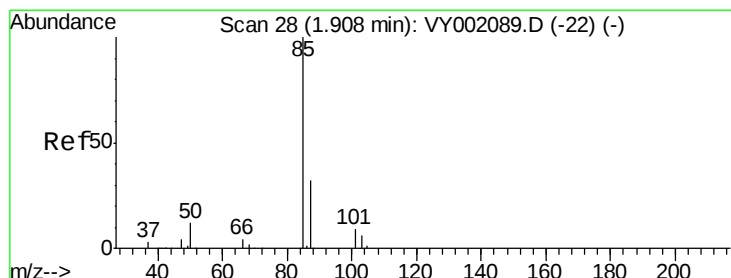
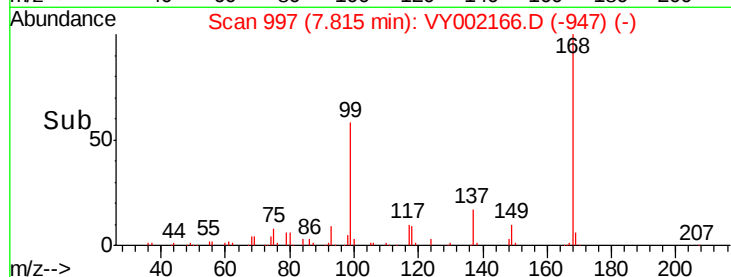
30000

20000

10000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002166.D

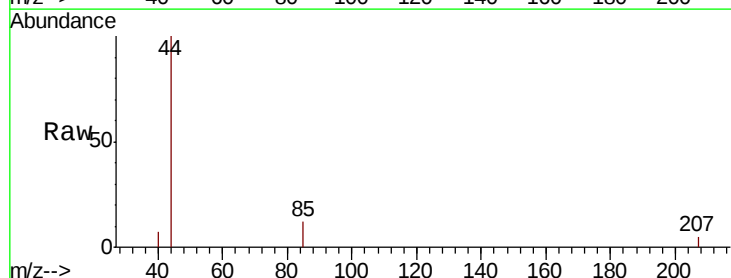
Acq: 01 Apr 2020 16:26

Tgt Ion: 85 Resp: 125

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002166.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002166.D (-1) (-)

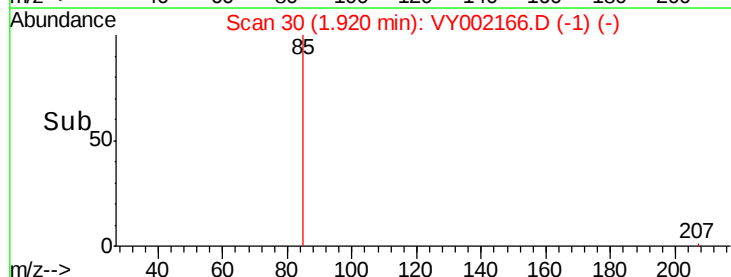
150

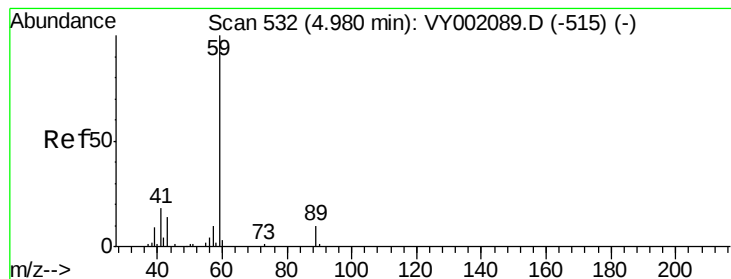
100

50

0

Time--> 1.88 1.90 1.92 1.94



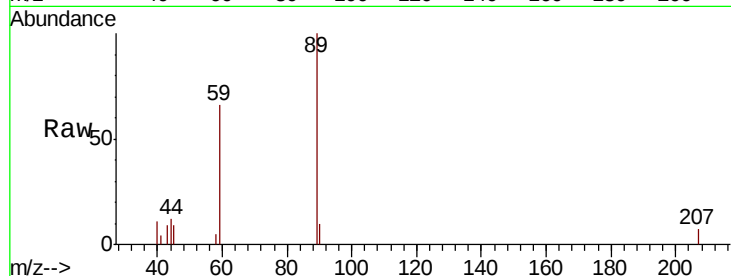


#11

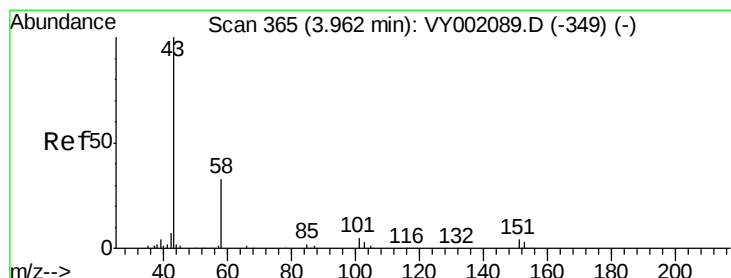
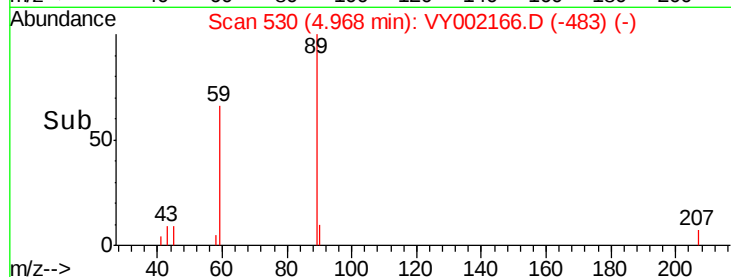
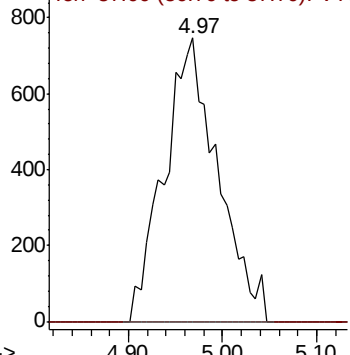
Tert butyl alcohol
 Concen: 19.703 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 59 Resp: 2964
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#



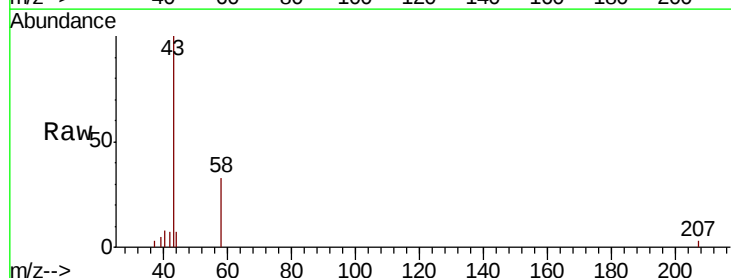
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



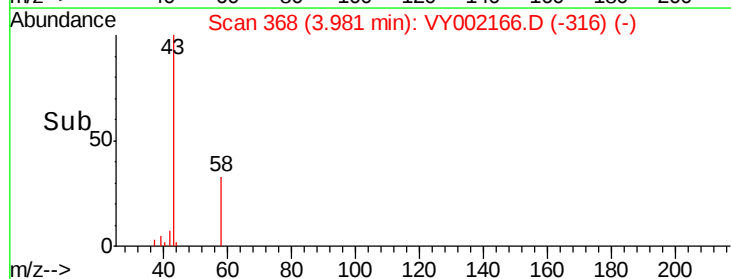
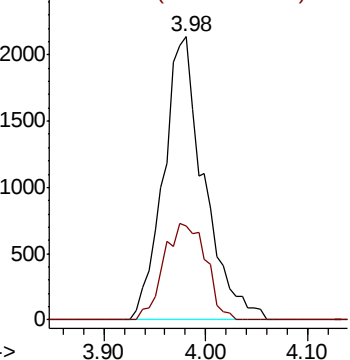
#16

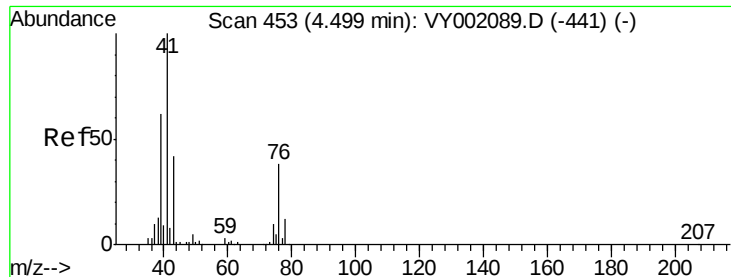
Acetone
 Concen: 16.373 ug/l
 RT: 3.98 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Tgt Ion: 43 Resp: 5872
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

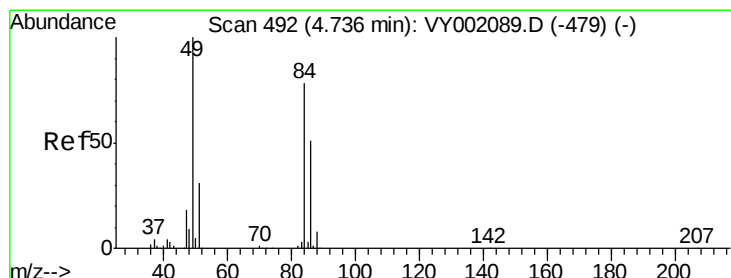
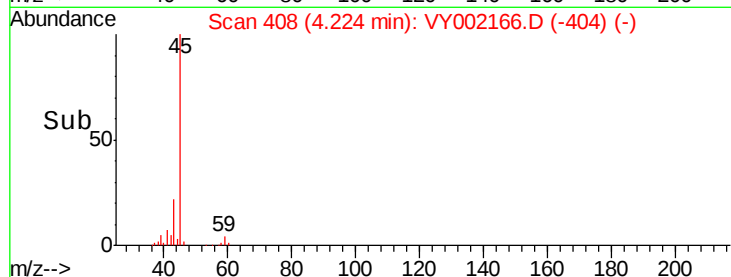
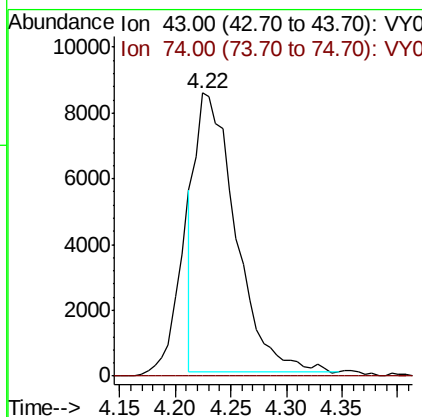
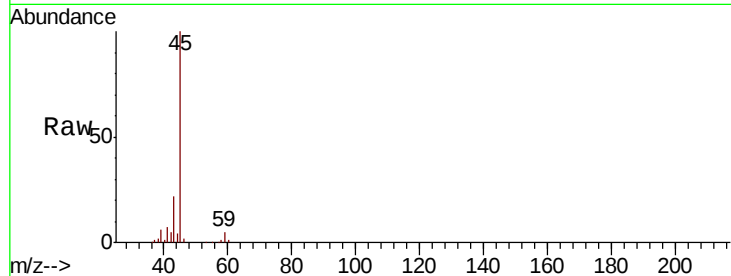




#18
Methvl Acetate
Concen: 22.896 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.27 min
Lab File: VY002166.D
Acq: 01 Apr 2020 16:26

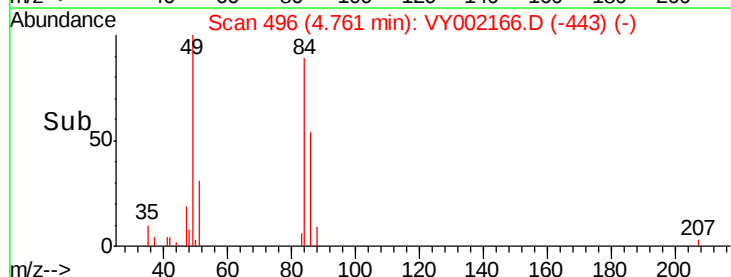
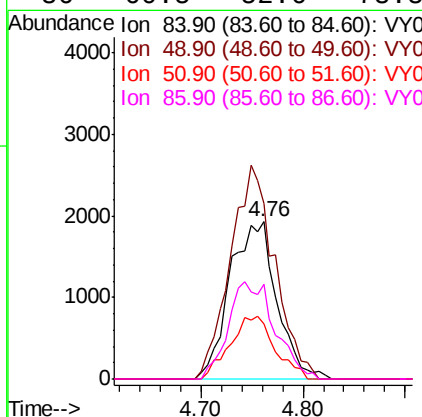
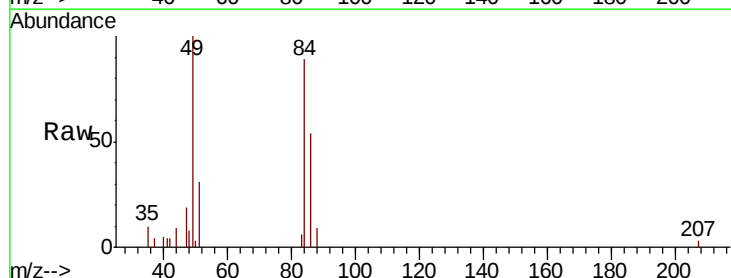
Instrument :
MSVOA_Y
ClientSampleId :

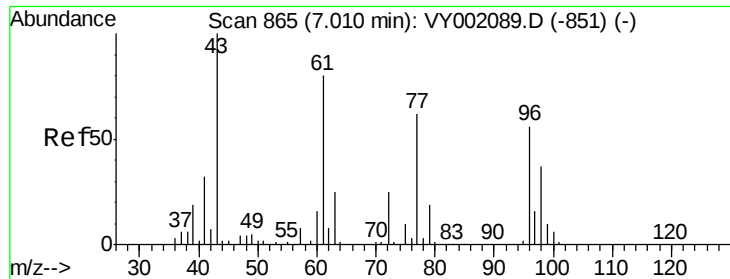
Tot Ion: 43 Resp: 21323
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY002166.D
Acq: 01 Apr 2020 16:26

Tgt Ion: 84 Resp: 6152
Ion Ratio Lower Upper
84 100
49 111.8 102.2 153.4
51 34.8 31.2 46.8
86 60.5 52.6 78.8





#25

2-Butanone

Concen: 2.016 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

Instrument :

MSVOA_Y

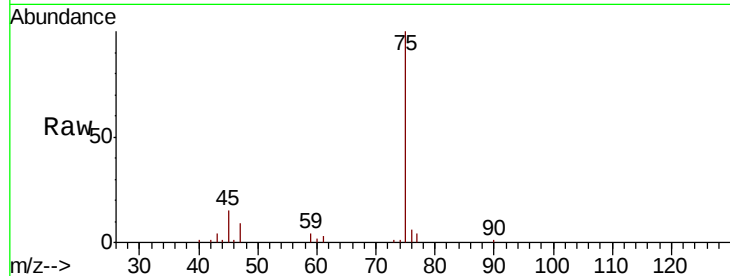
ClientSampleId :

Tot Ion: 43 Resp: 1110

Ion Ratio Lower Upper

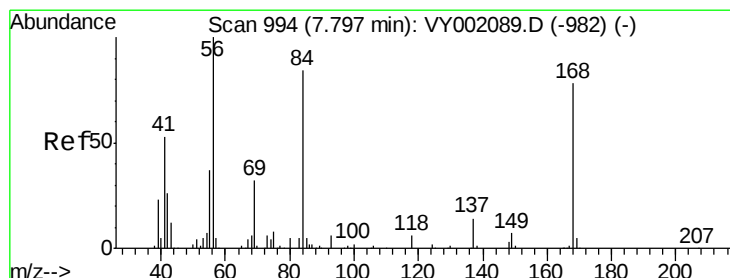
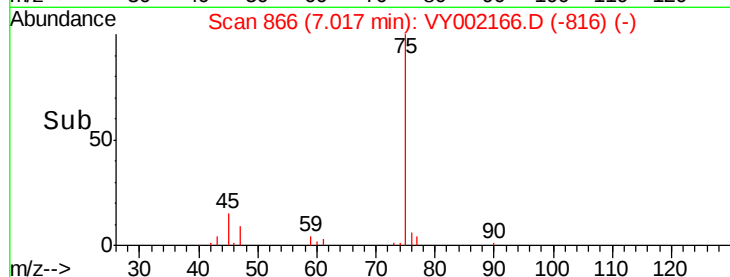
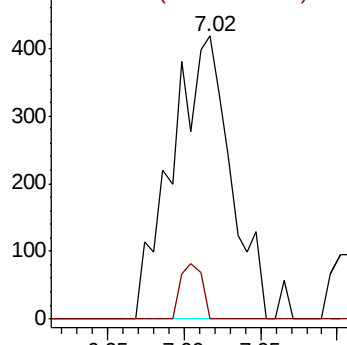
43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

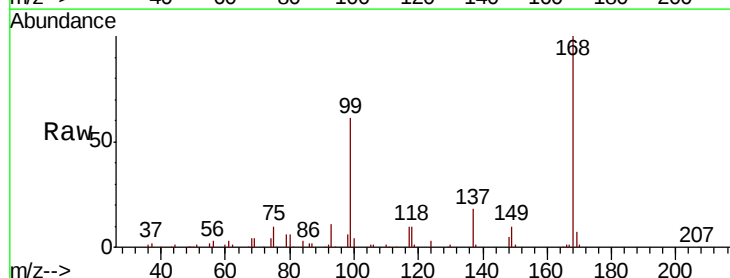
Tgt Ion: 56 Resp: 2858

Ion Ratio Lower Upper

56 100

69 150.1 25.8 38.8#

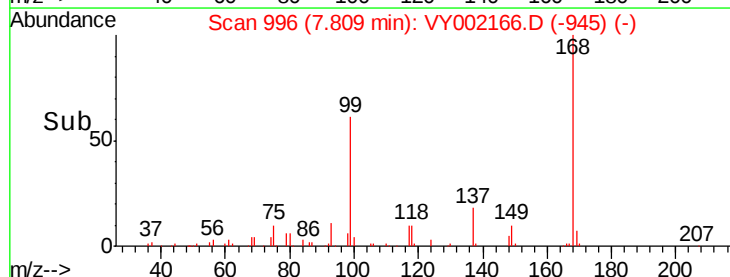
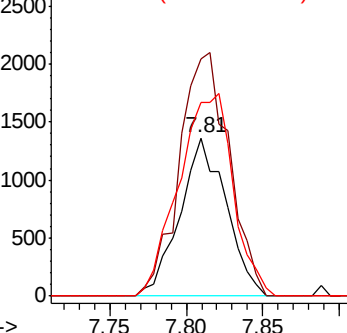
84 122.7 67.1 100.7#

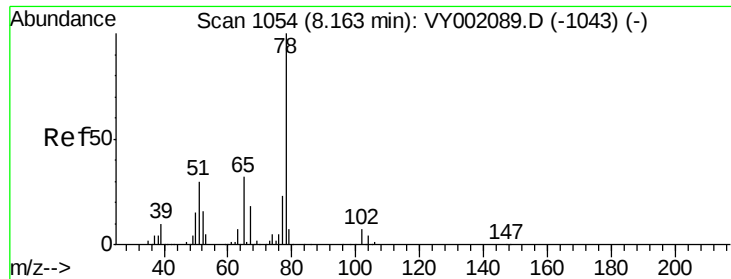


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

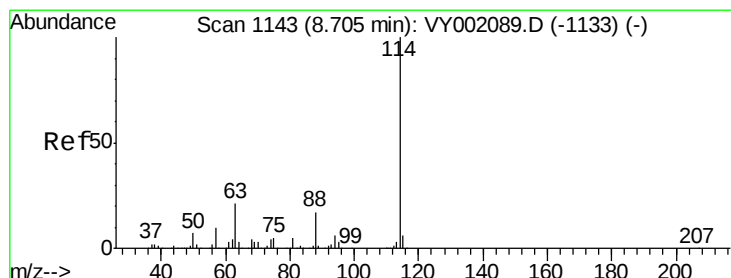
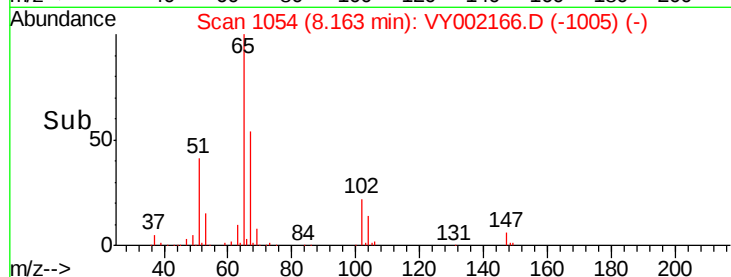
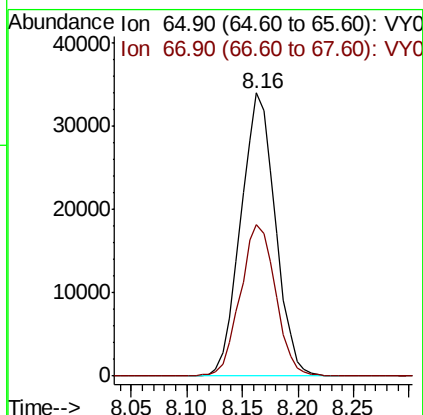
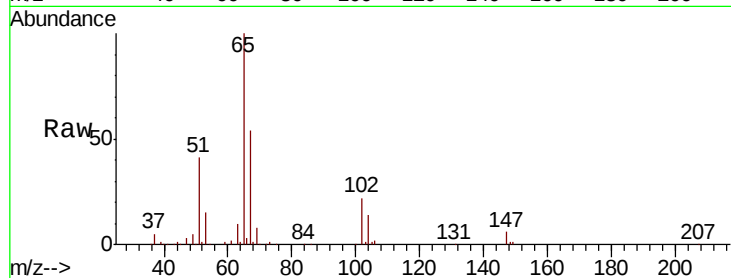




#33
 1,2-Dichloroethane-d4
 Concen: 57.366 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

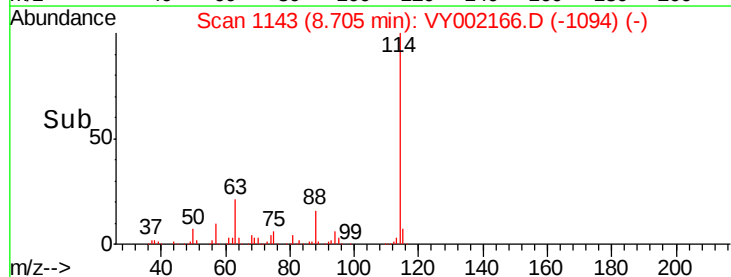
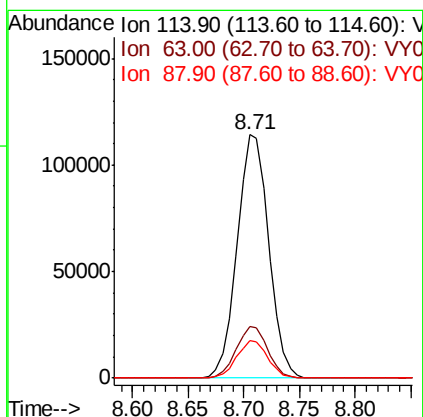
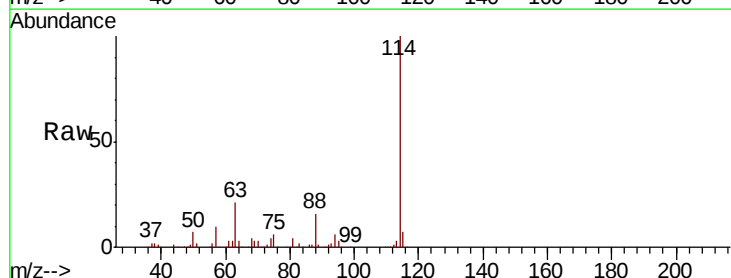
Instrument :
 MSVOA_Y
 ClientSampleId :

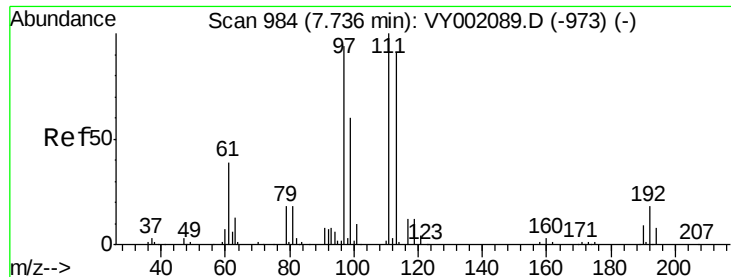
Tot Ion: 65 Resp: 73229
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Tgt Ion: 114 Resp: 224227
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 15.6 0.0 33.0

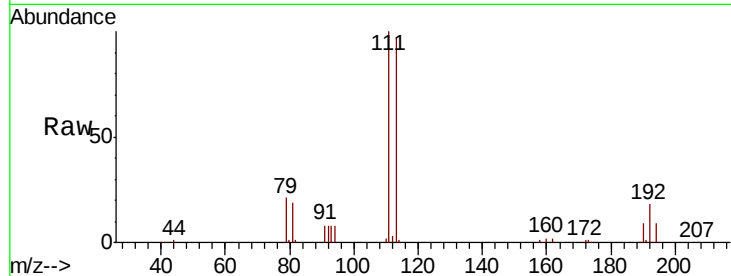




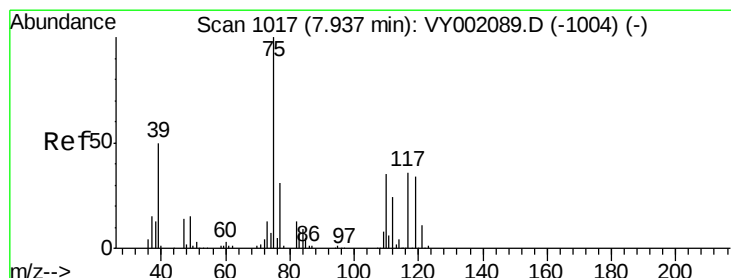
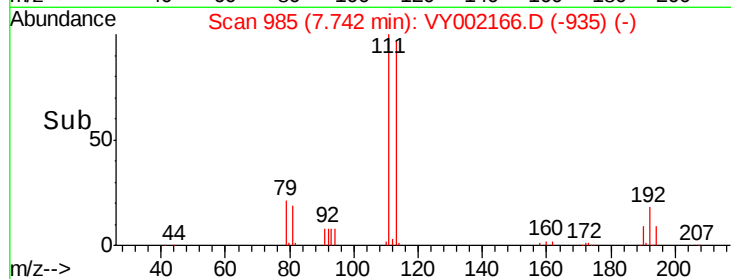
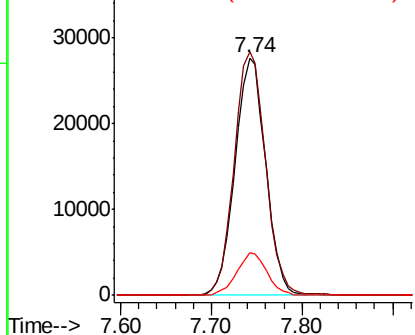
#35
 Dibromofluoromethane
 Concen: 51.658 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 64902
 Ion Ratio Lower Upper
 113 100
 111 103.8 84.4 126.6
 192 17.6 14.6 21.8

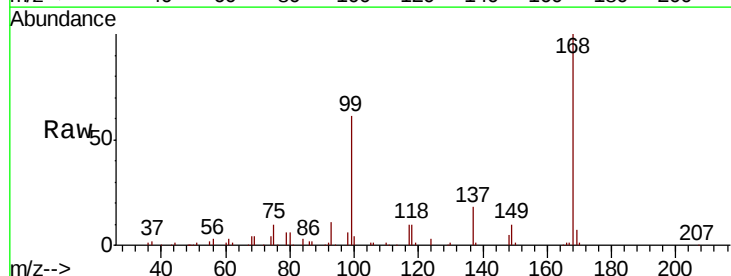


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

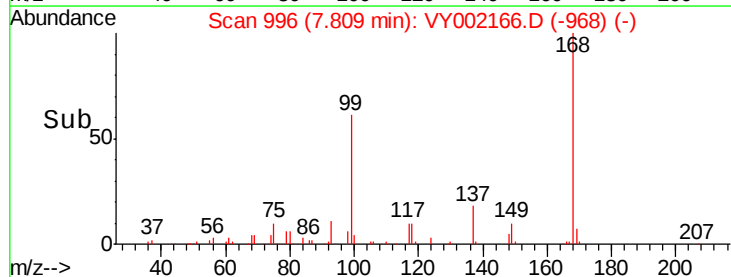
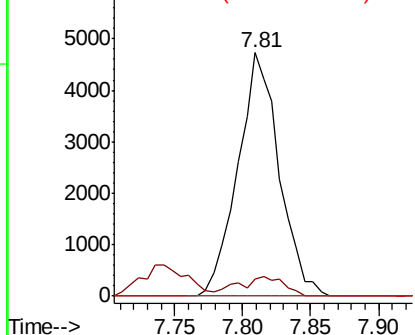


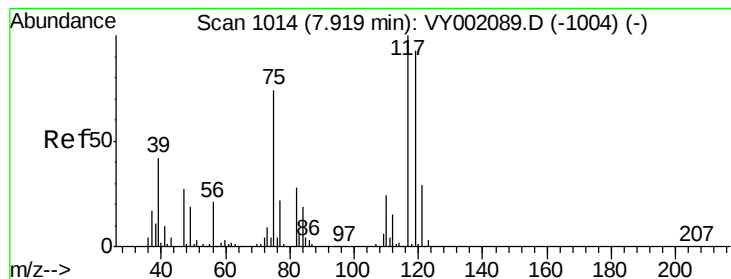
#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Tgt Ion: 75 Resp: 10035
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.2 51.6#
 77 0.0 24.7 37.1#



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: 6.598 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

Instrument :

MSVOA_Y

ClientSampled :

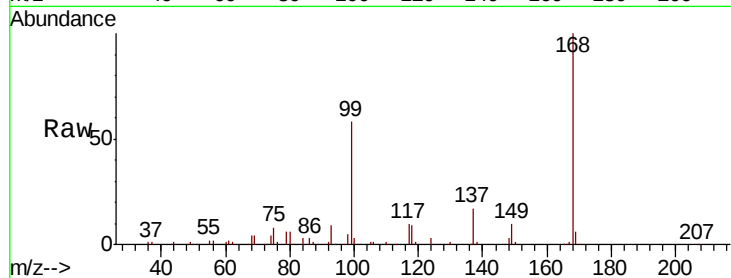
Tot Ion:117 Resp: 11872

Ion Ratio Lower Upper

117 100

119 5.5 74.3 111.5#

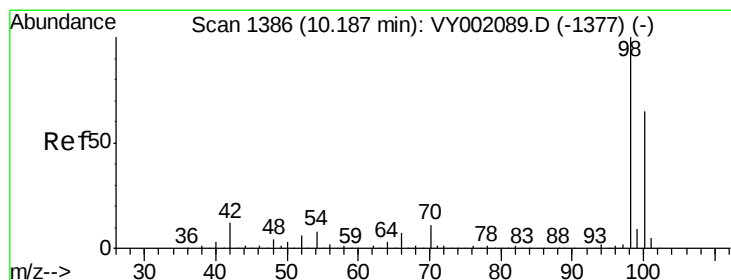
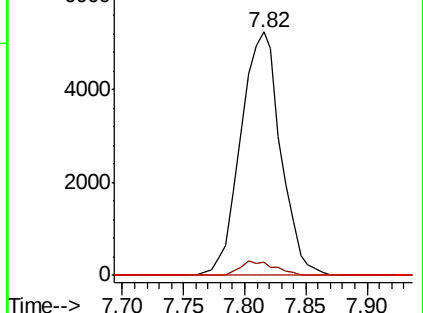
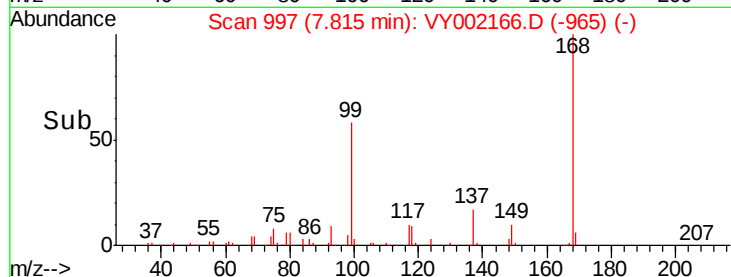
121 0.0 23.3 34.9#



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: 52.269 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002166.D

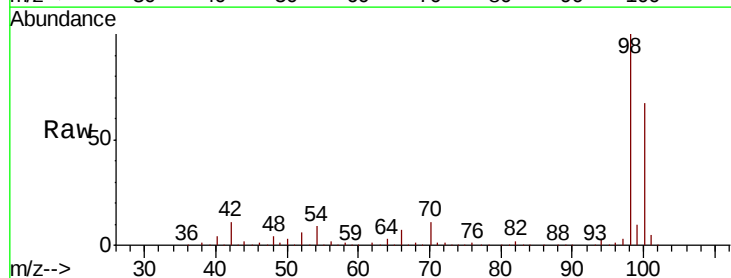
Acq: 01 Apr 2020 16:26

Tgt Ion: 98 Resp: 272809

Ion Ratio Lower Upper

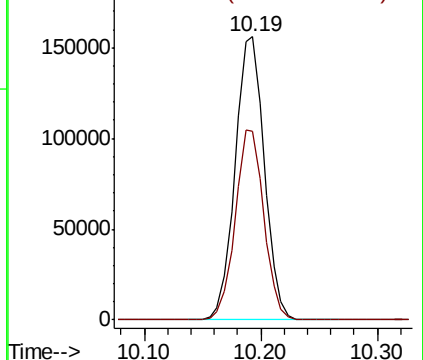
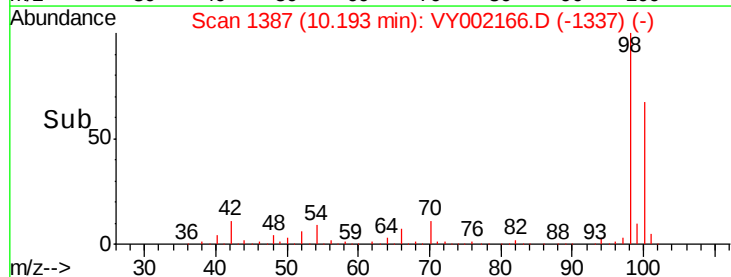
98 100

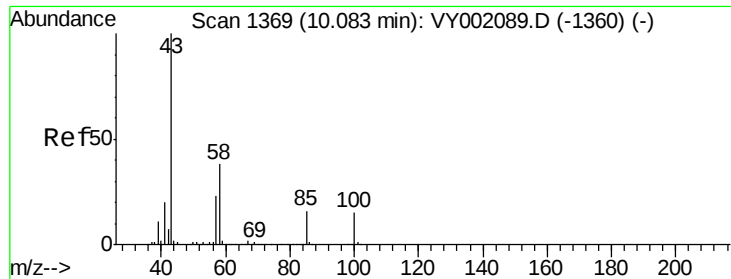
100 65.7 51.6 77.4



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: 1.216 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

Instrument :

MSVOA_Y

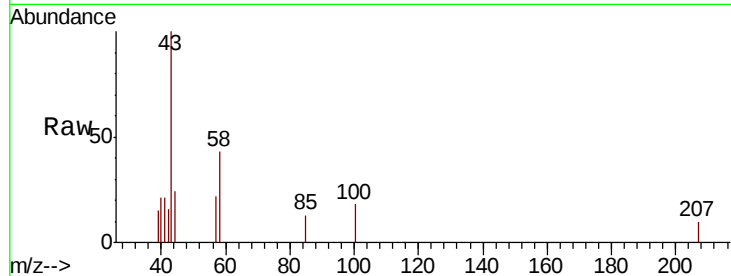
ClientSampled :

Tot Ion: 43 Resp: 1490

Ion Ratio Lower Upper

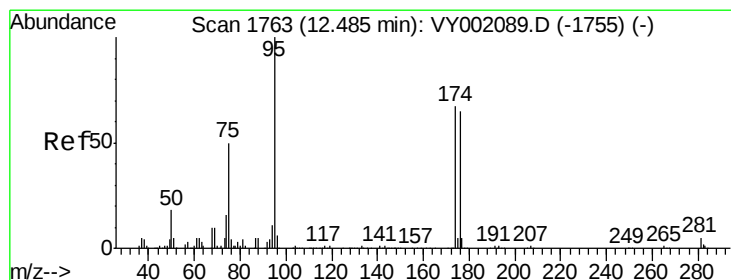
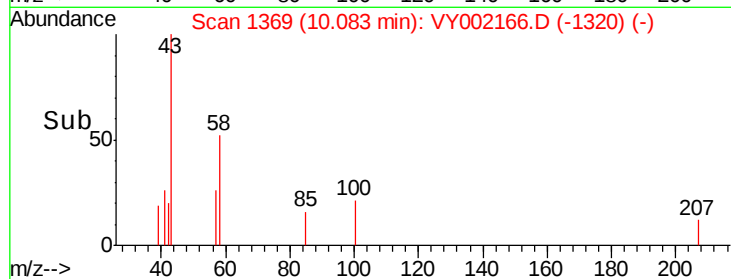
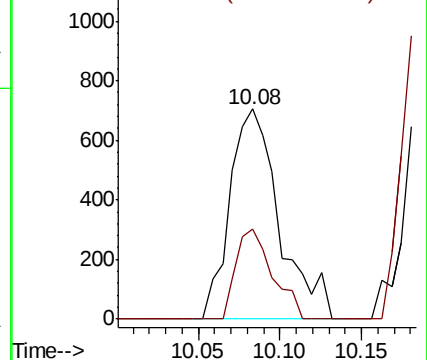
43 100

58 31.3 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 50.855 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002166.D

Acq: 01 Apr 2020 16:26

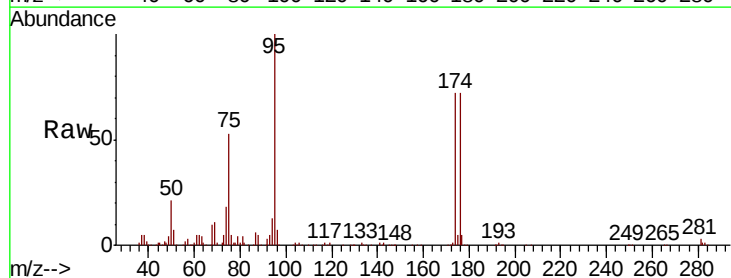
Tgt Ion: 95 Resp: 92829

Ion Ratio Lower Upper

95 100

174 72.4 0.0 143.4

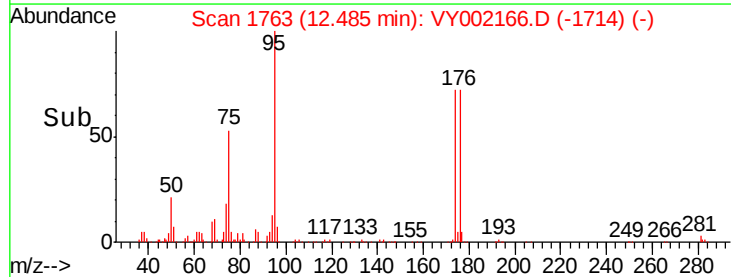
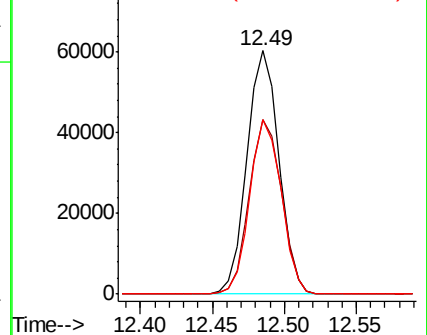
176 70.5 0.0 137.0

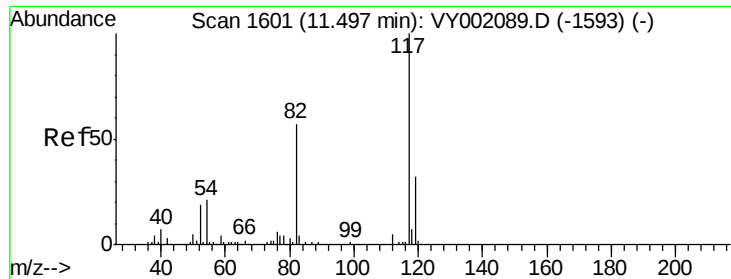


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

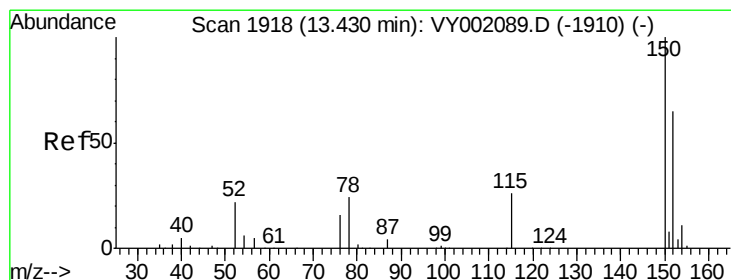
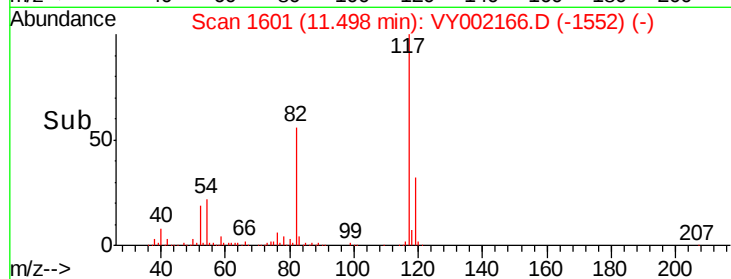
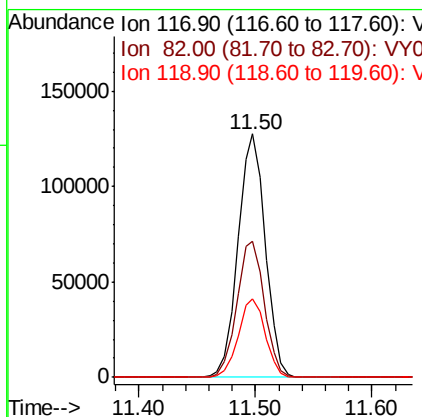
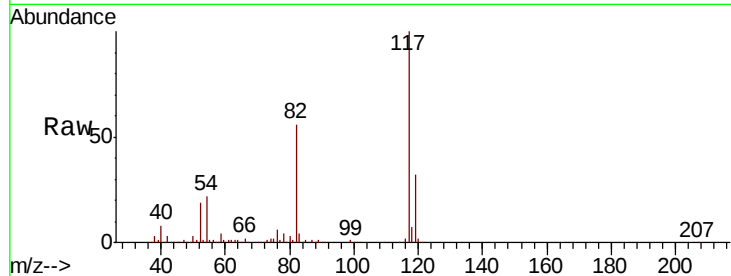




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002166.D
Acq: 01 Apr 2020 16:26

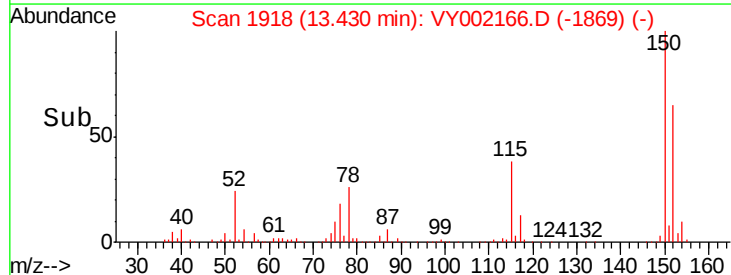
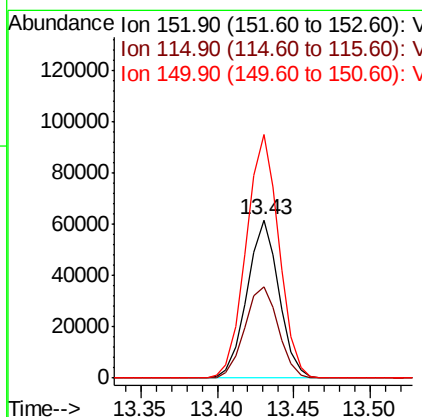
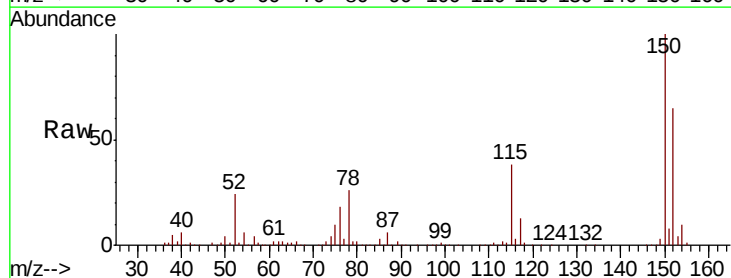
Instrument :
MSVOA_Y
ClientSampleId :

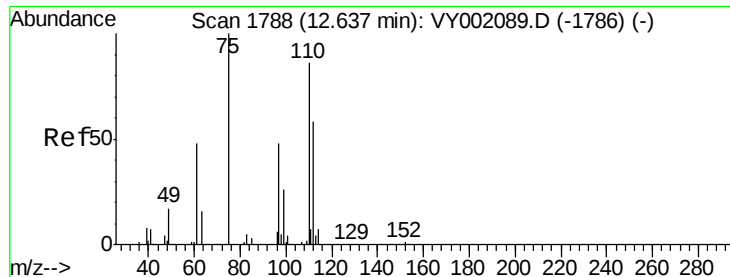
Tot Ion:117 Resp: 208023
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002166.D
Acq: 01 Apr 2020 16:26

Tgt Ion:152 Resp: 89650
Ion Ratio Lower Upper
152 100
115 60.9 31.2 93.6
150 158.4 0.0 354.8

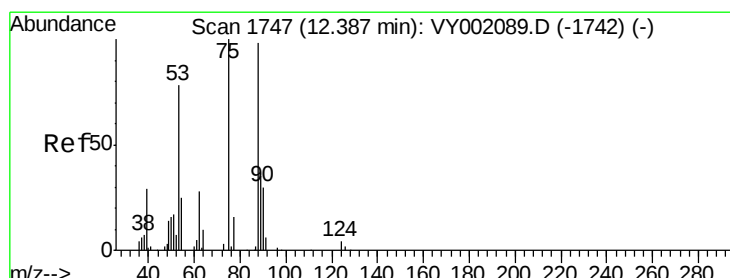
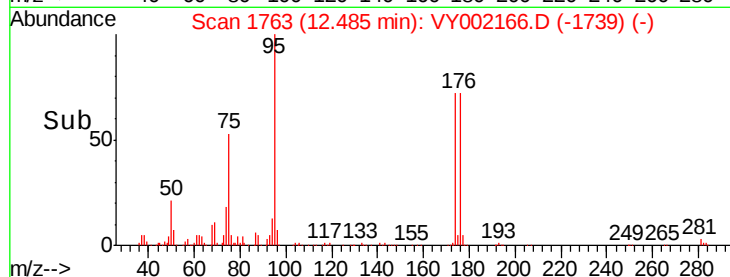
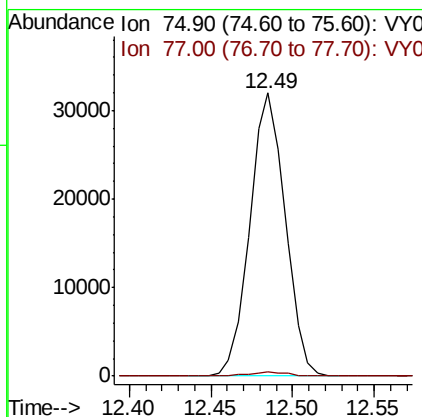
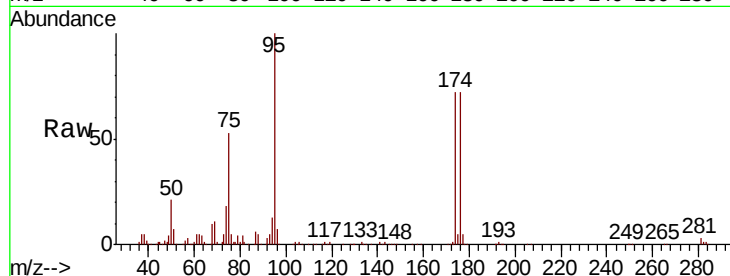




#76
 1,2,3-Trichloropropane
 Concen: 48.214 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 48350
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.408 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002166.D
 Acq: 01 Apr 2020 16:26

Tgt Ion: 75 Resp: 48350
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.1 33.4 50.0#

