

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001604.D
 Acq On : 11 Feb 2020 17:05
 Operator : SY/MD
 Sample : L1488-02RE
 Misc : 5.83G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

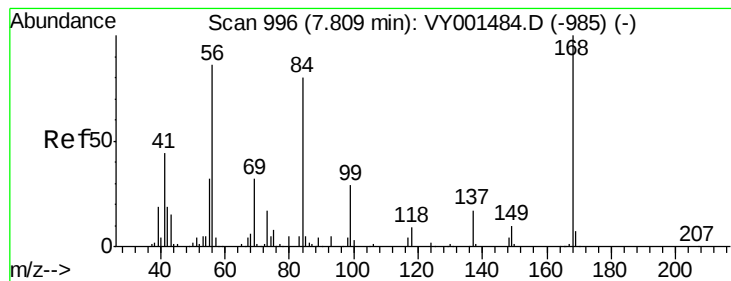
Quant Time: Feb 12 07:55:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	164325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110493	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	95687	57.83	ug/l	0.00
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	7.74	113	86083	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.19	98	351846	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.49	95	115806	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	290	Below Cal	#	76
16) Acetone	3.97	43	14372	30.030	ug/l	98
20) Methylene Chloride	4.74	84	3482	Below Cal	#	87
25) 2-Butanone	7.01	43	1732	2.790	ug/l #	65
27) cis-1,2-Dichloroethene	7.01	96	15630	7.451	ug/l	93
29) Tetrahydrofuran	7.38	42	405	1.088	ug/l #	57
31) Cyclohexane	7.81	56	3769	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12483	4.638	ug/l #	48
37) Ethyl Acetate	7.01	43	1732	1.329	ug/l #	1
38) Carbon Tetrachloride	7.82	117	15993	6.141	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	57929	48.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57929	94.332	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001604.D

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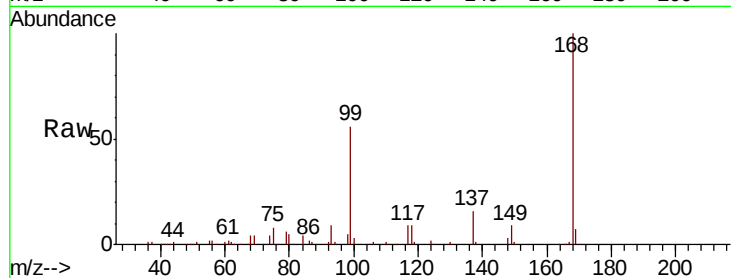
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 164325

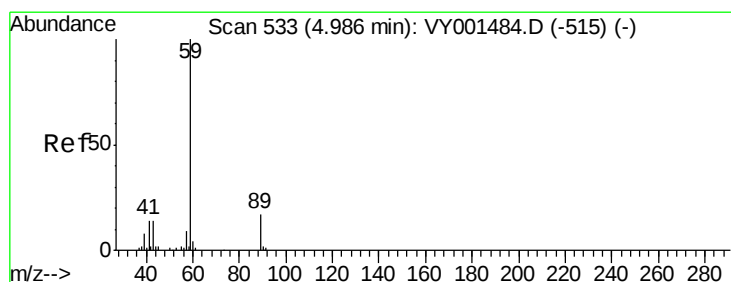
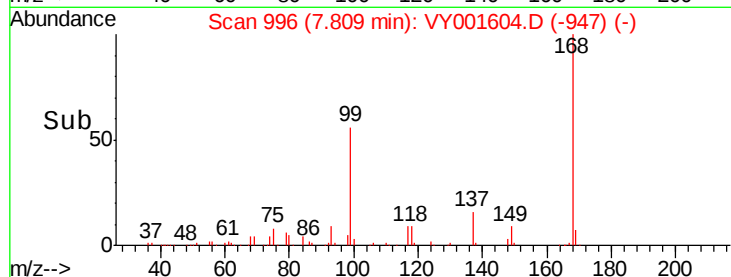
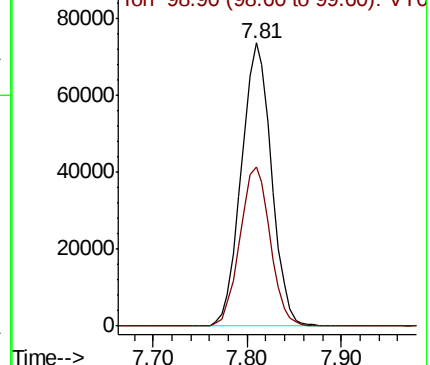
Ion Ratio Lower Upper

168 100

99 56.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001604.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001604.D

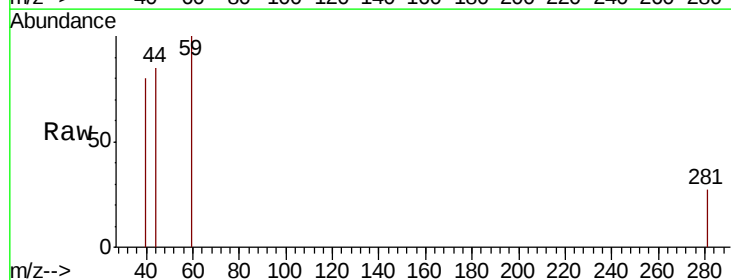
Acq: 11 Feb 2020 17:05

Tgt Ion: 59 Resp: 290

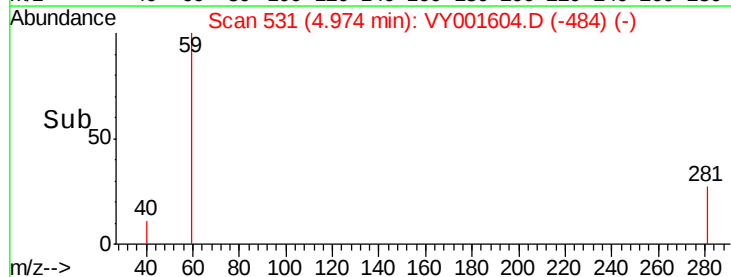
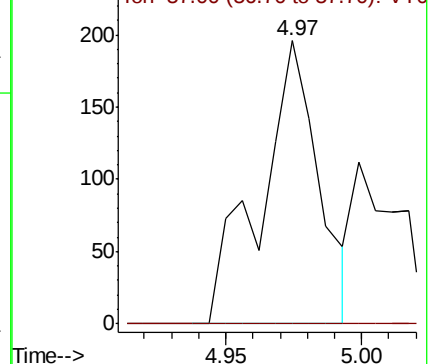
Ion Ratio Lower Upper

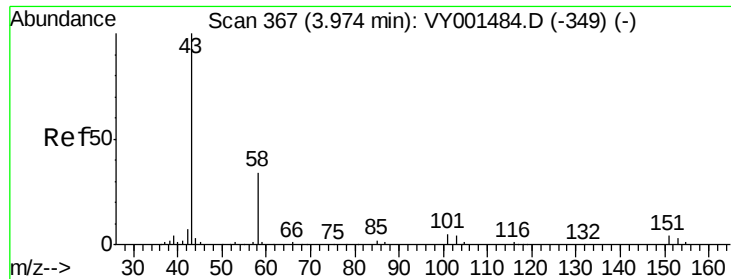
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001604.D (-484) (-)

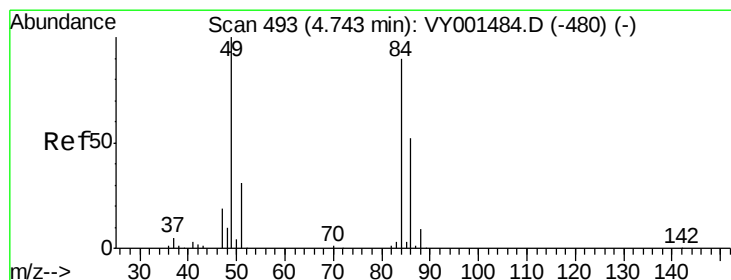
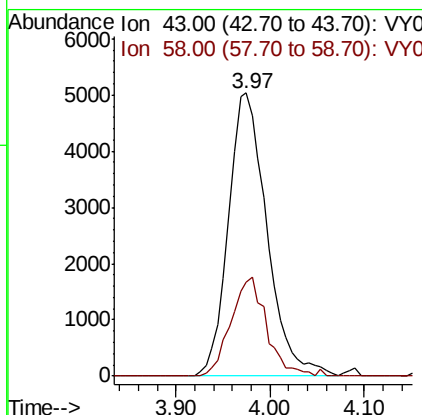
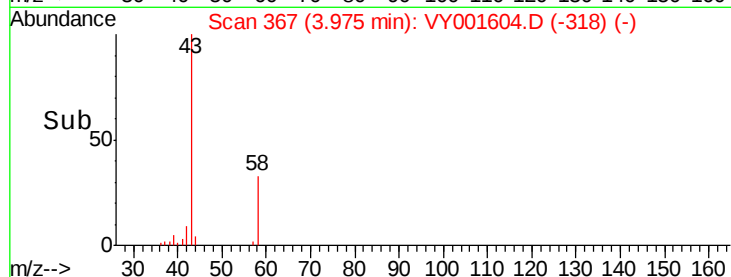
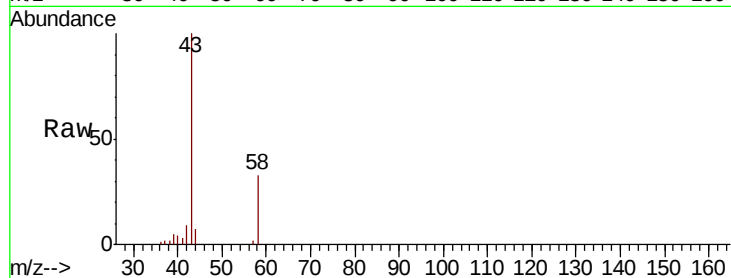




#16
Acetone
Concen: 30.030 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

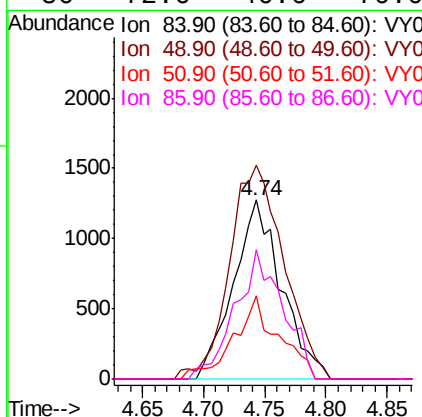
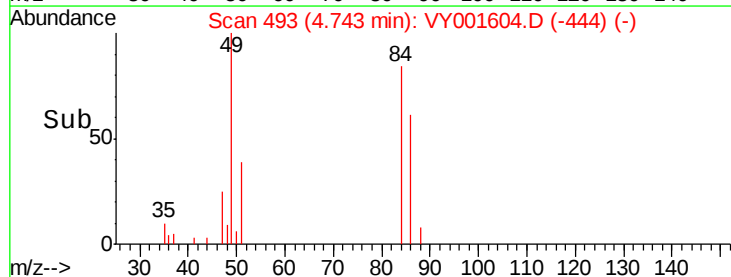
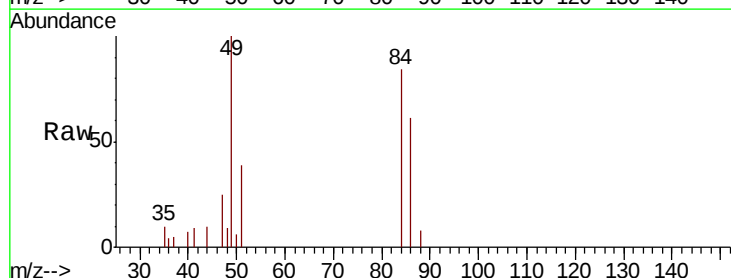
Instrument :
MSVOA_Y
ClientSampleId :

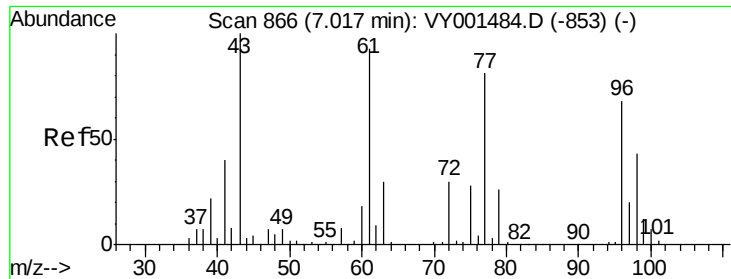
Tot Ion: 43 Resp: 14372
Ion Ratio Lower Upper
43 100
58 33.1 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

Tgt Ion: 84 Resp: 3482
Ion Ratio Lower Upper
84 100
49 119.6 89.0 133.6
51 46.9 27.4 41.2#
86 72.6 46.6 70.0#

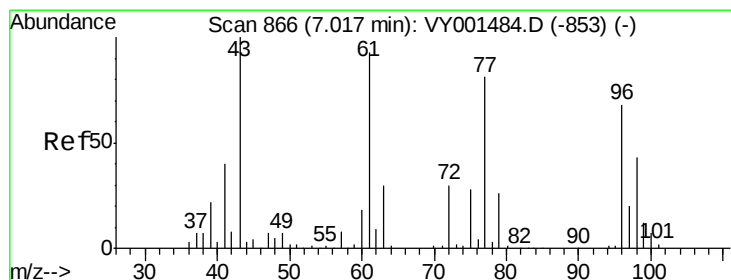
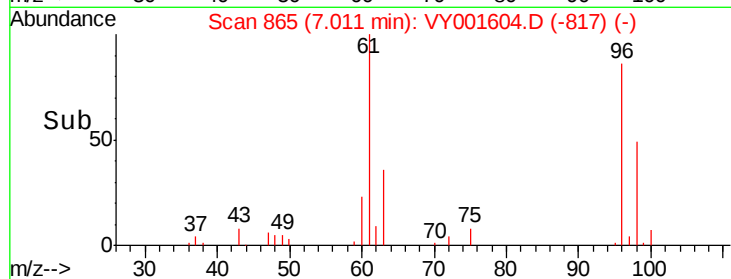
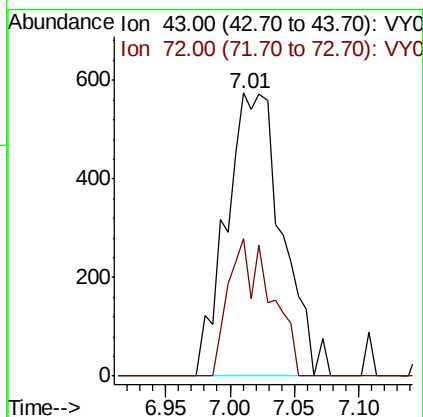
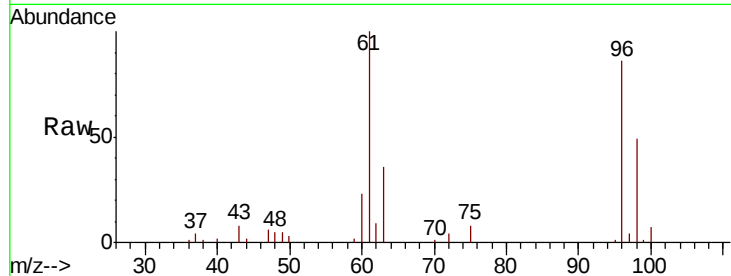




#25
2-Butanone
Concen: 2.790 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

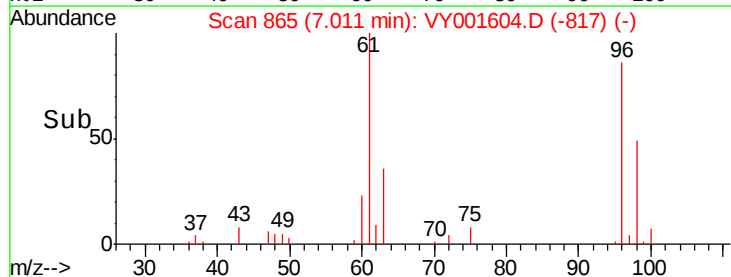
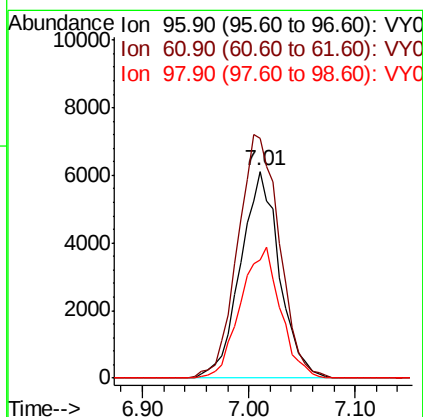
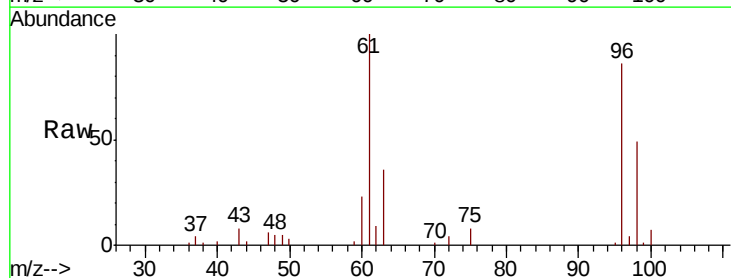
Instrument :
MSVOA_Y
ClientSampled :

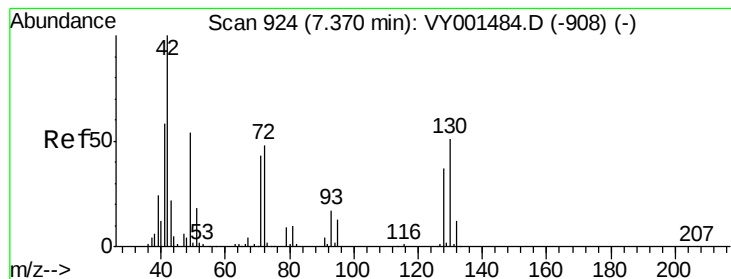
Tot Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
72 48.8 23.8 35.8#



#27
cis-1,2-Dichloroethene
Concen: 7.451 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

Tgt Ion: 96 Resp: 15630
Ion Ratio Lower Upper
96 100
61 126.8 0.0 278.8
98 64.8 0.0 128.8





#29

Tetrahydrofuran

Concen: 1.088 ug/l

RT: 7.38 min Scan# 926

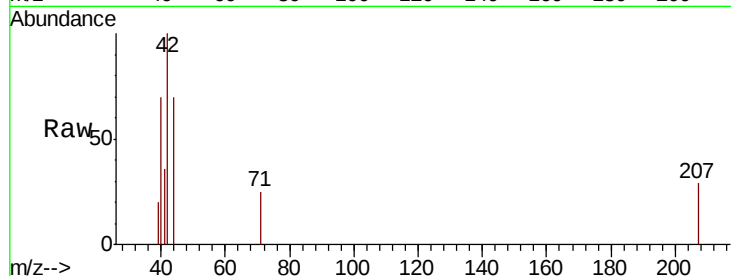
Delta R.T. 0.01 min

Lab File: VY001604.D

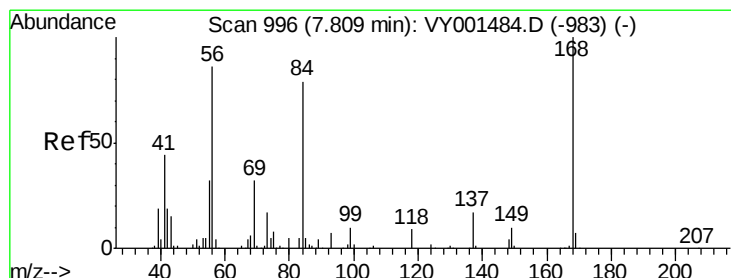
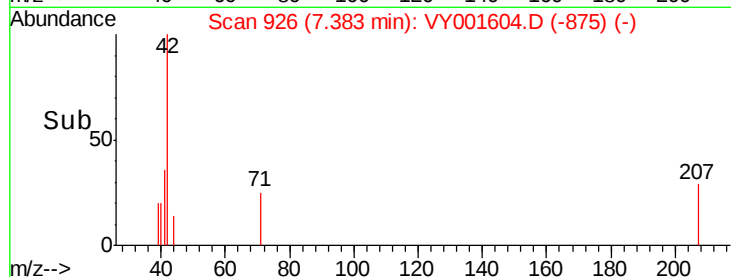
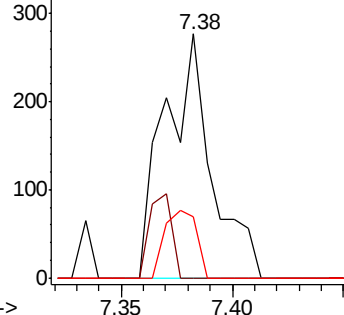
Acq: 11 Feb 2020 17:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	42	Resp:	405
Ion	Ratio	Lower	Upper
42	100		
72	16.0	37.8	56.6#
71	18.8	34.8	52.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.170 ug/l

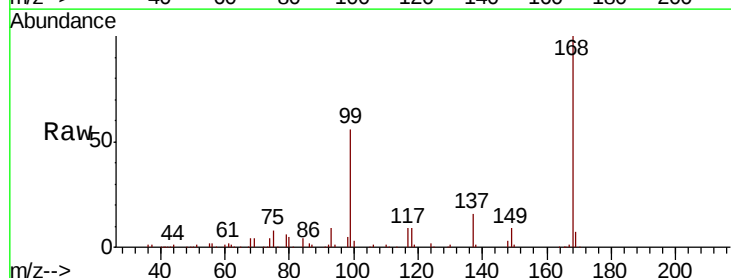
RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

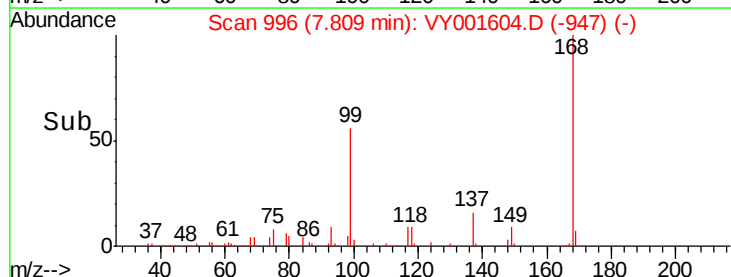
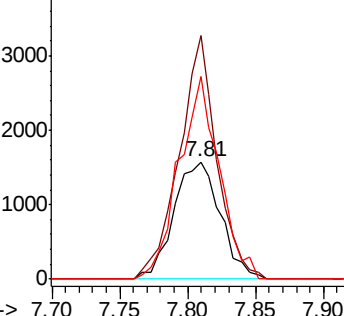
Lab File: VY001604.D

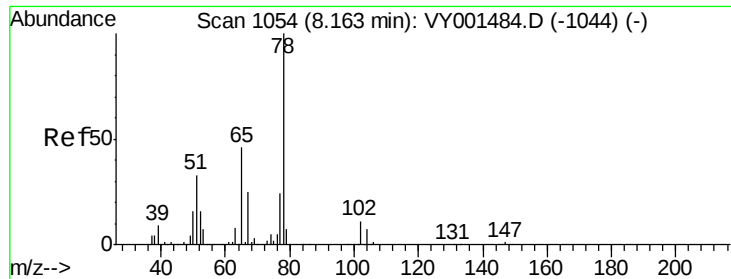
Acq: 11 Feb 2020 17:05

Tgt Ion:	56	Resp:	3769
Ion	Ratio	Lower	Upper
56	100		
69	207.9	29.6	44.4#
84	173.1	73.6	110.4#



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

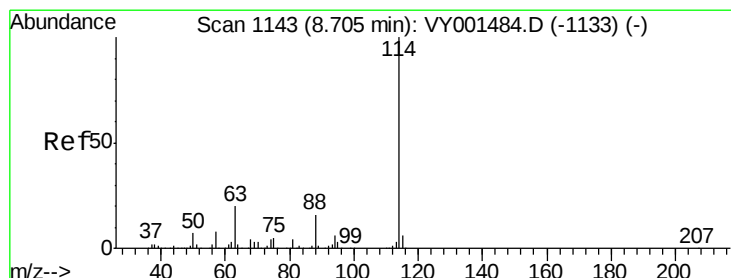
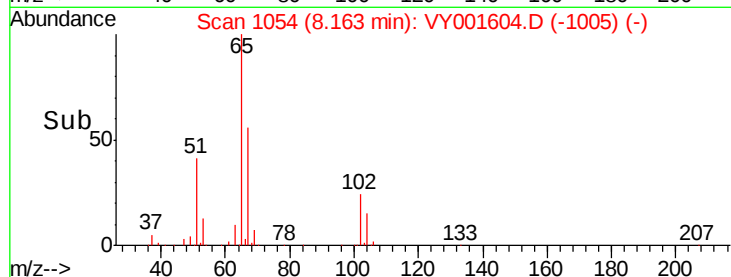
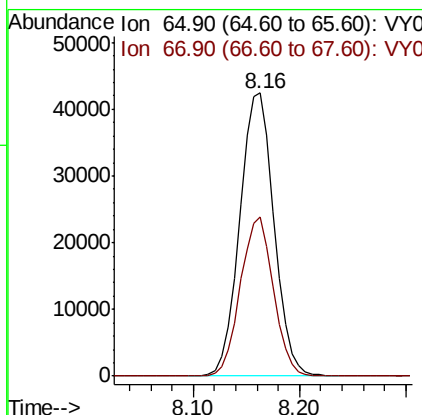
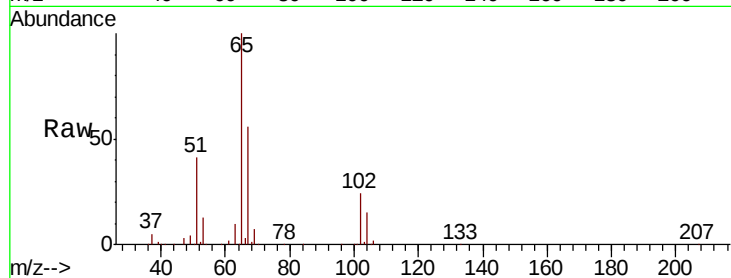




#33
 1,2-Dichloroethane-d4
 Concen: 57.834 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001604.D
 Acq: 11 Feb 2020 17:05

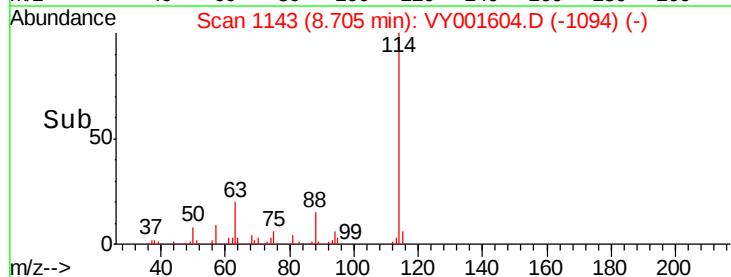
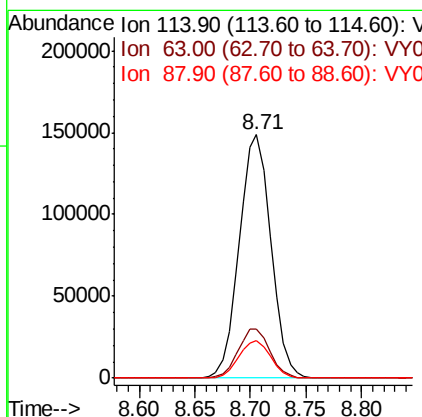
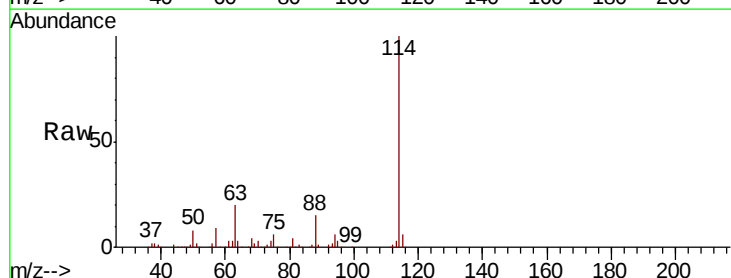
Instrument :
 MSVOA_Y
 ClientSampleId :

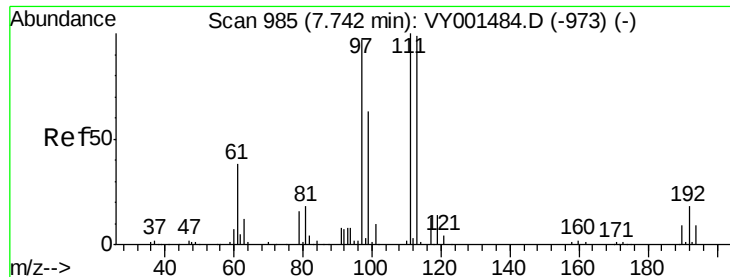
Tot Ion: 65 Resp: 95687
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001604.D
 Acq: 11 Feb 2020 17:05

Tgt Ion: 114 Resp: 294235
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.8
 88 15.5 0.0 32.6

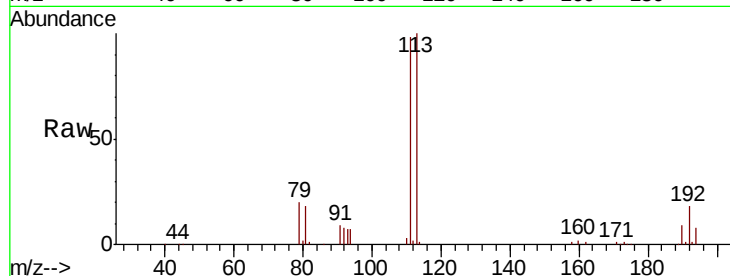




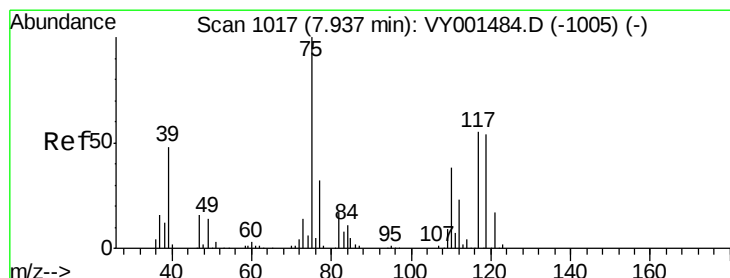
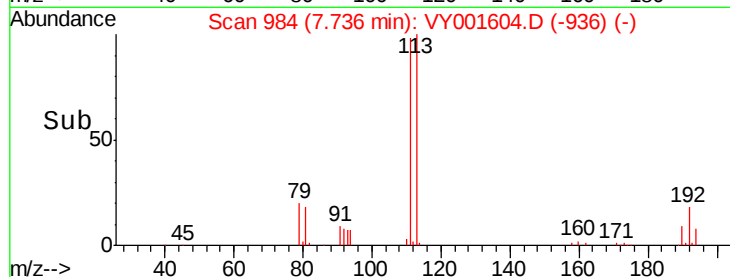
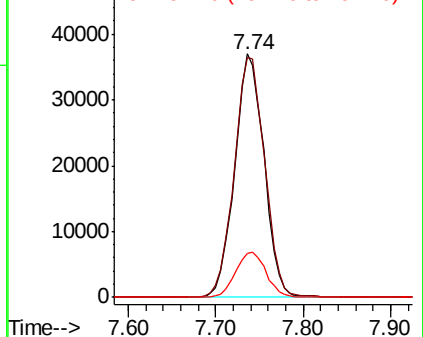
#35
 Dibromofluoromethane
 Concen: 50.736 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001604.D
 Acq: 11 Feb 2020 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 86083
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 19.4 14.6 22.0

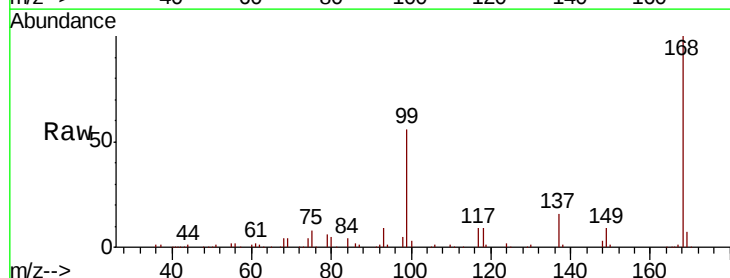


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

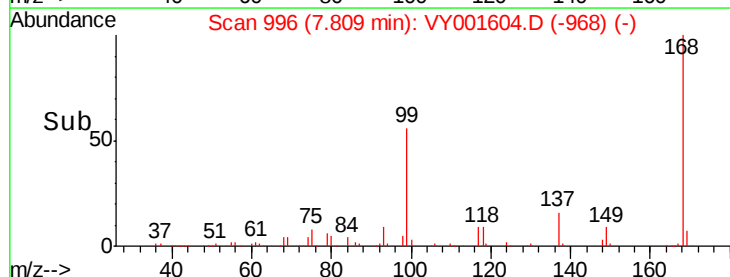
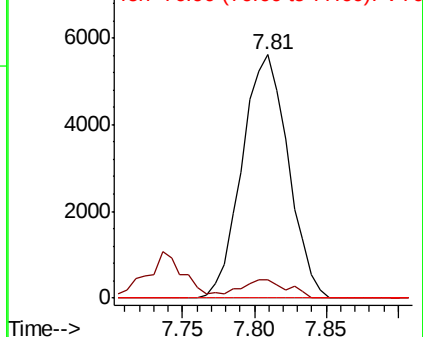


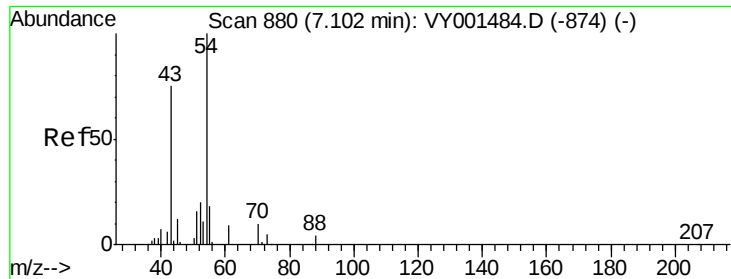
#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001604.D
 Acq: 11 Feb 2020 17:05

Tgt Ion: 75 Resp: 12483
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.2 54.6#
 77 0.0 25.0 37.4#



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

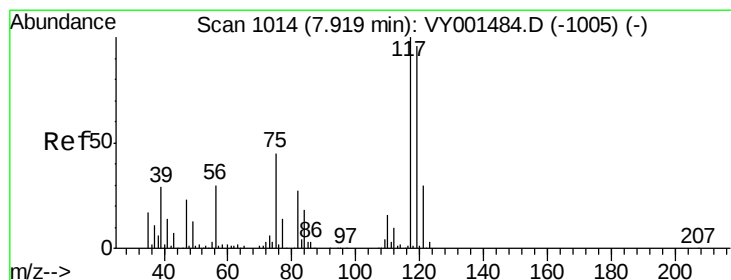
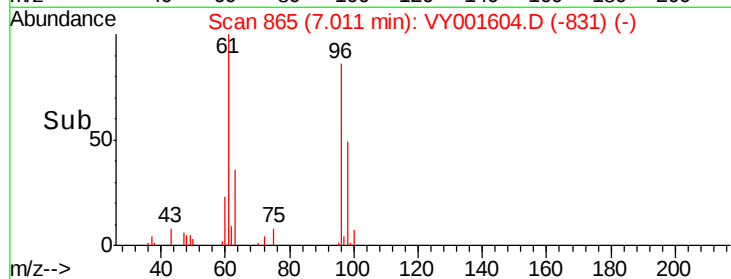
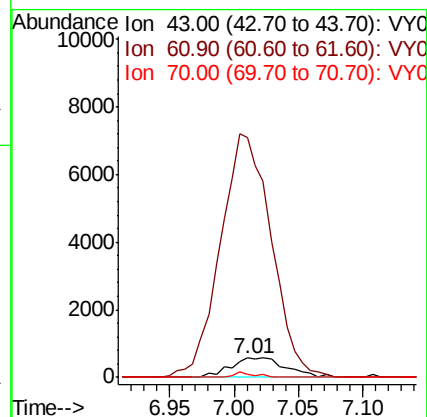
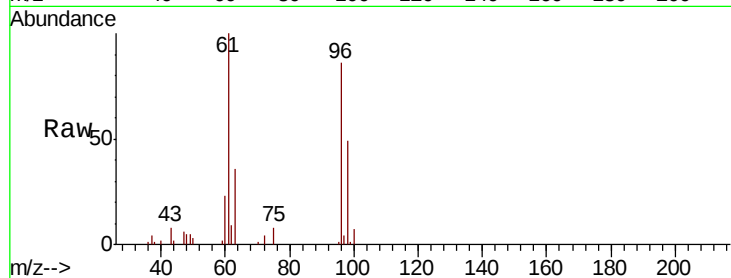




#37
Ethyl Acetate
Concen: 1.329 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.09 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

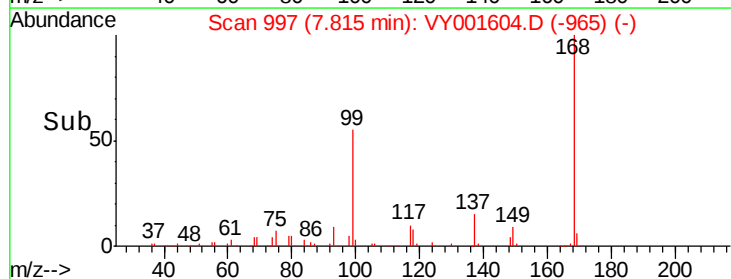
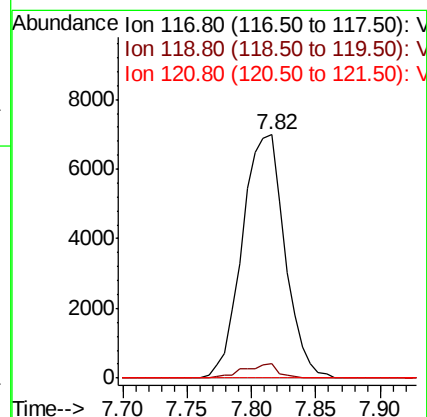
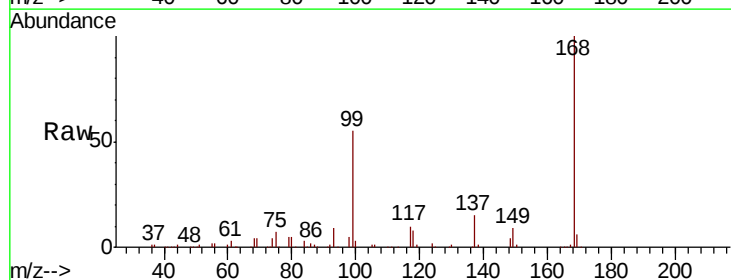
Instrument :
MSVOA_Y
ClientSampleId :

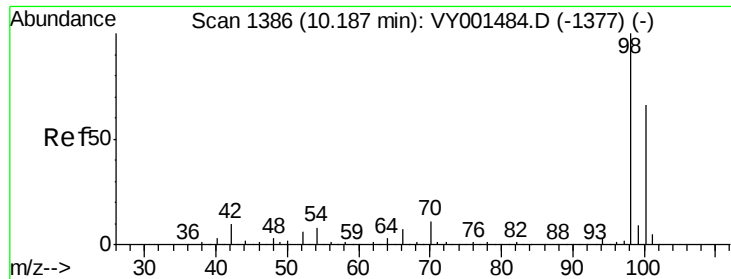
Tot Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
61 1144.1 12.0 18.0#
70 9.2 10.2 15.4#



#38
Carbon Tetrachloride
Concen: 6.141 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

Tgt Ion: 117 Resp: 15993
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 54.810 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001604.D

Acq: 11 Feb 2020 17:05

Instrument :

MSVOA_Y

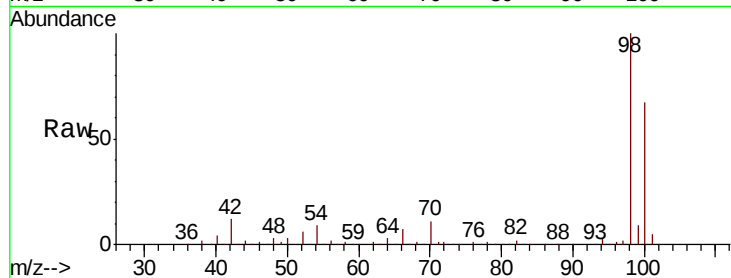
ClientSampled :

Tot Ion: 98 Resp: 351846

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

200000

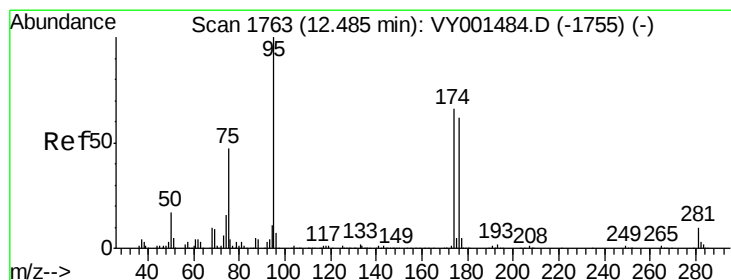
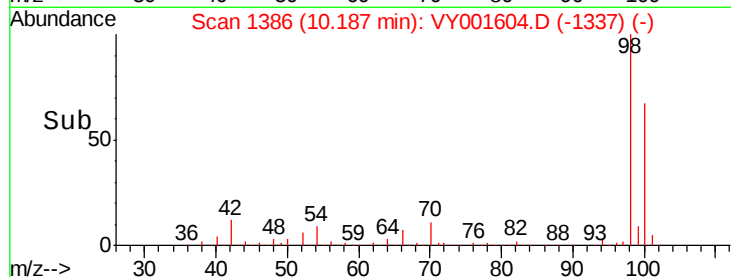
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.793 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001604.D

Acq: 11 Feb 2020 17:05

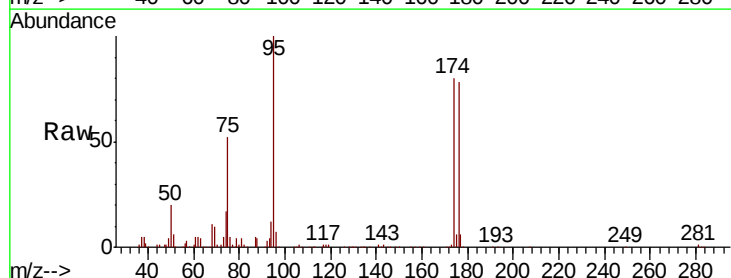
Tgt Ion: 95 Resp: 115806

Ion Ratio Lower Upper

95 100

174 77.0 0.0 141.4

176 73.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

100000

80000

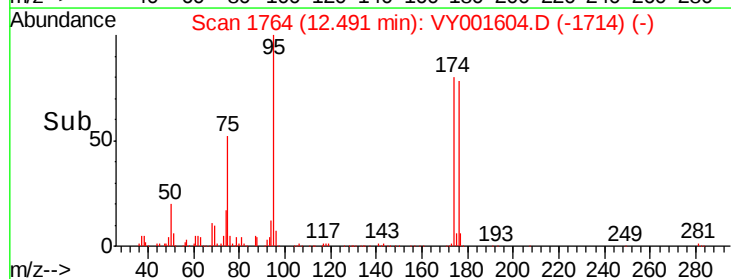
60000

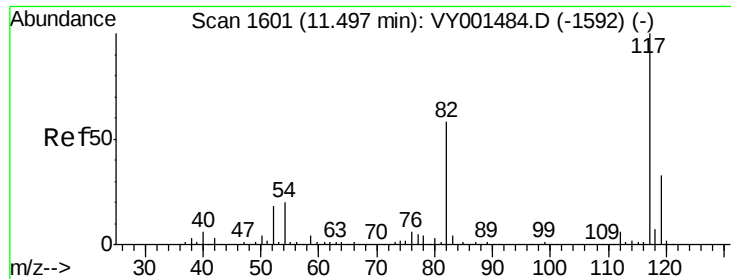
40000

20000

0

Time-->

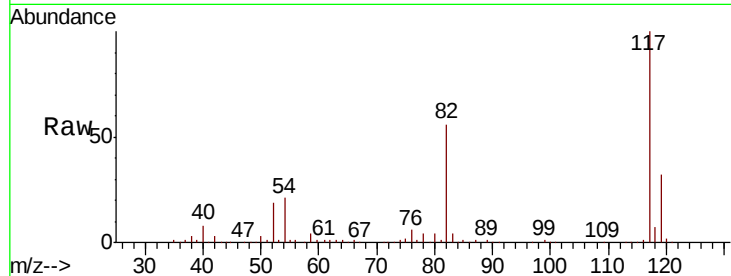




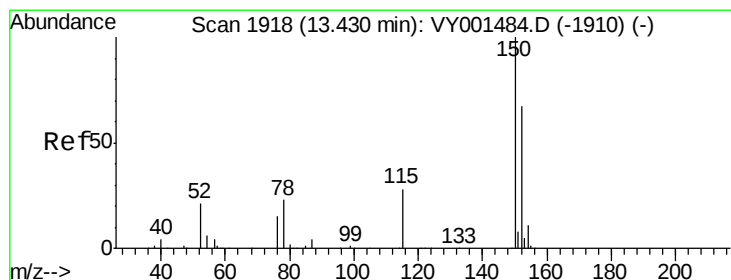
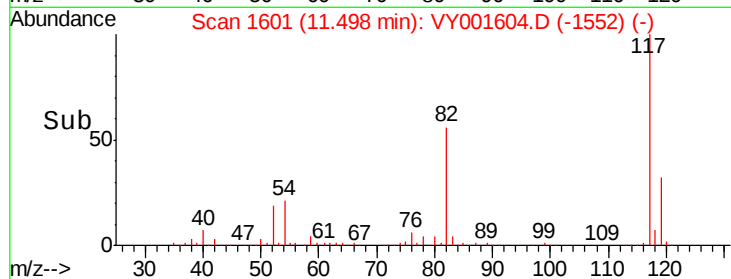
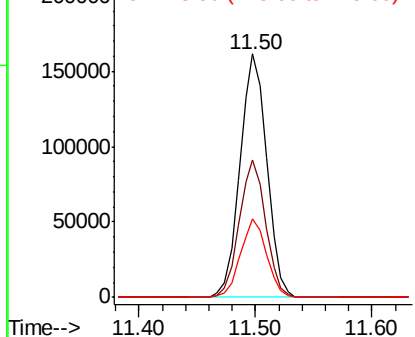
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 259179
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 32.0 26.1 39.1

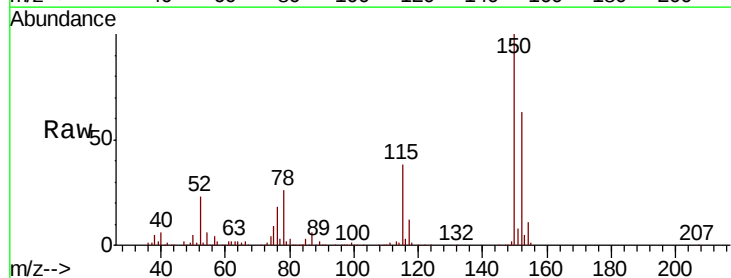


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

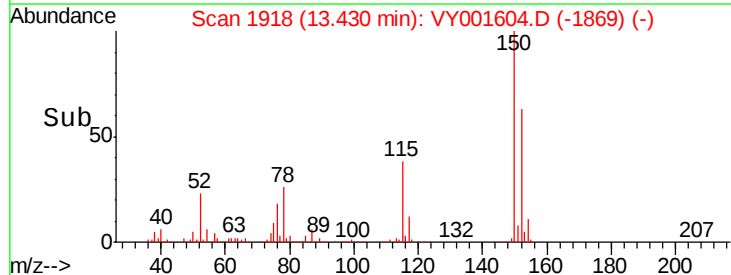
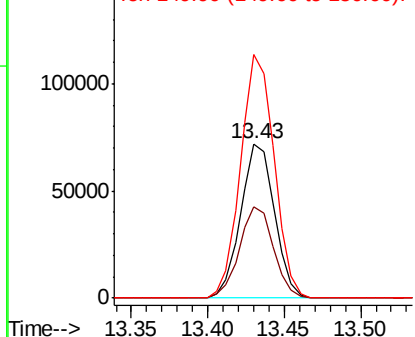


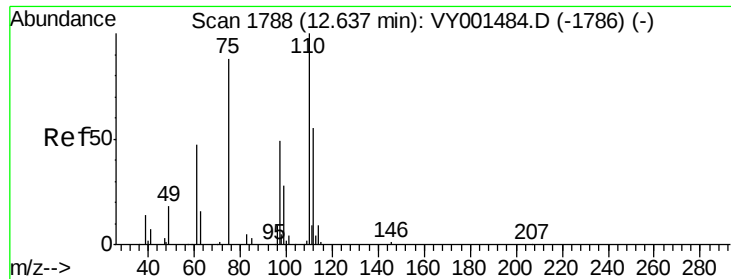
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001604.D
Acq: 11 Feb 2020 17:05

Tgt Ion:152 Resp: 110493
Ion Ratio Lower Upper
152 100
115 59.5 31.4 94.3
150 157.3 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: 48.752 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001604.D

Acq: 11 Feb 2020 17:05

Instrument :

MSVOA_Y

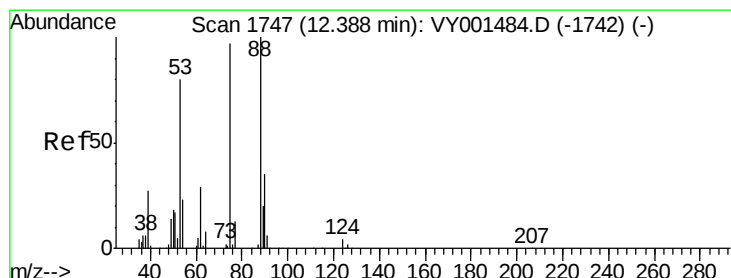
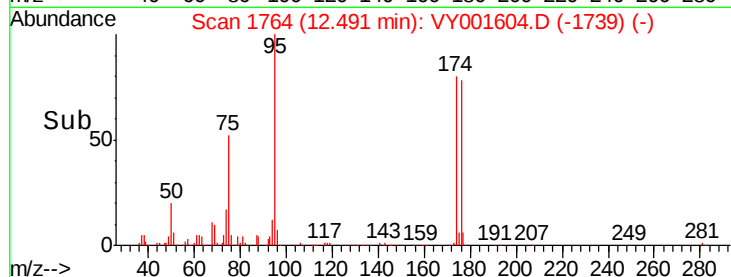
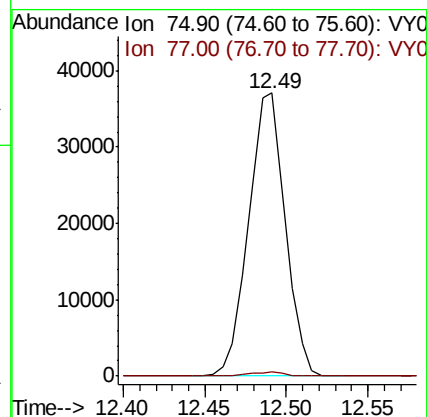
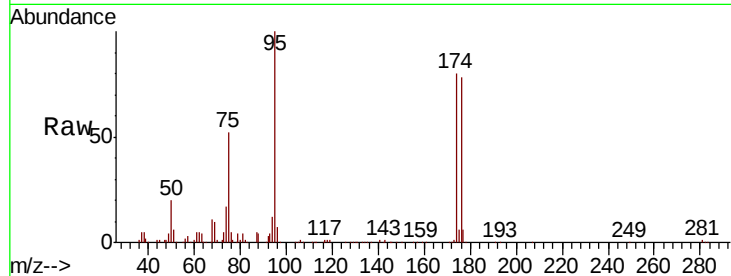
ClientSampleId :

Tot Ion: 75 Resp: 57929

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.332 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001604.D

Acq: 11 Feb 2020 17:05

Tgt Ion: 75 Resp: 57929

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

