

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001603.D
 Acq On : 11 Feb 2020 16:43
 Operator : SY/MD
 Sample : L1488-07
 Misc : 4.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:55:23 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	7.82	168	167353	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	304946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	266888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	114005	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	99496	59.05	ug/l	0.00
Spiked Amount			Recovery	=	118.10%	
35) Dibromofluoromethane	7.74	113	87570	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.19	98	363119	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.49	95	121561	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

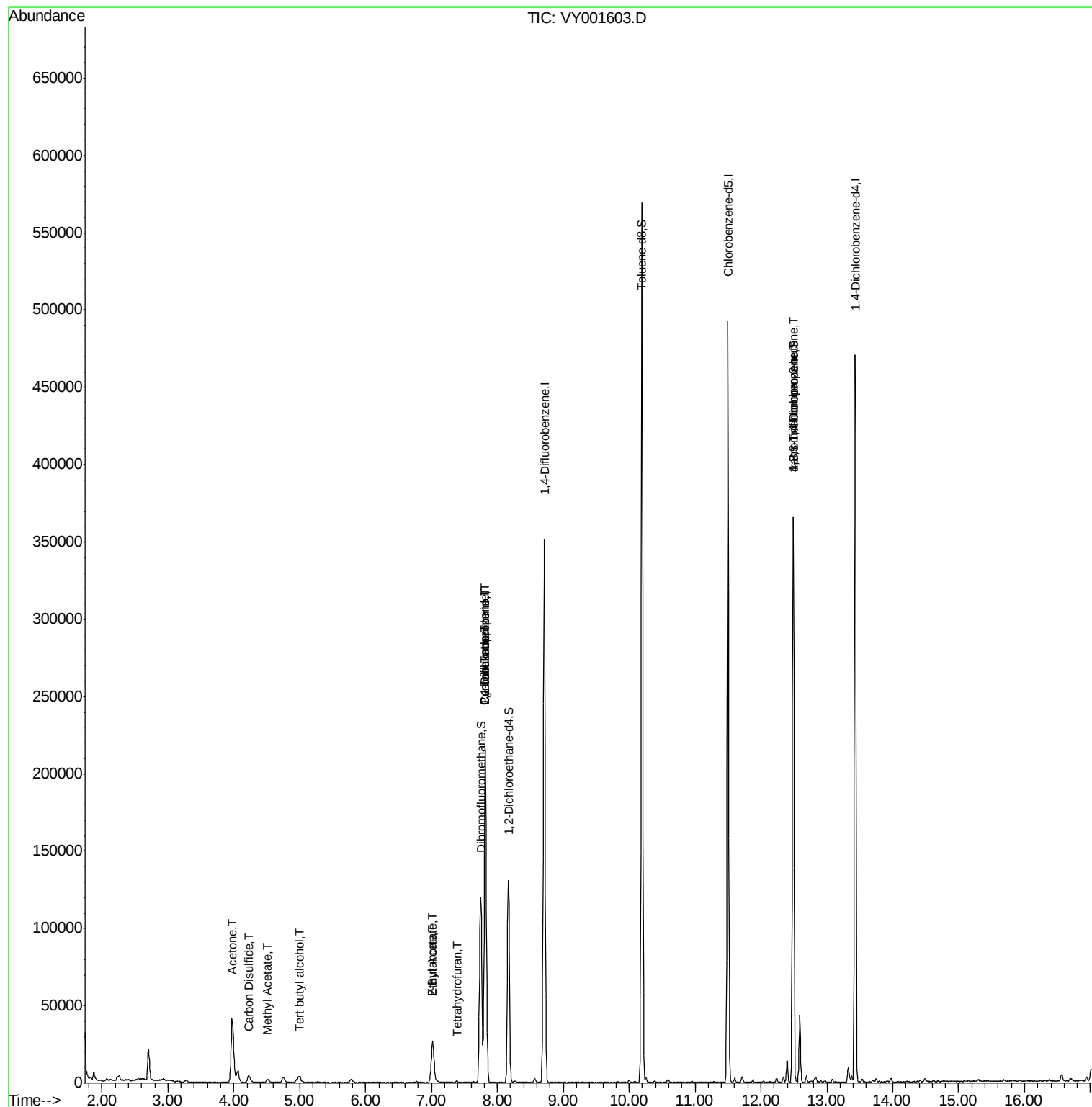
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	8953	15.535	ug/l	97
16) Acetone	3.97	43	73228	150.240	ug/l	98
17) Carbon Disulfide	4.22	76	7117	1.271	ug/l #	90
18) Methyl Acetate	4.52	43	4385	4.216	ug/l #	82
20) Methylene Chloride	4.75	84	2553	Below Cal		92
25) 2-Butanone	7.02	43	9984	15.789	ug/l	95
29) Tetrahydrofuran	7.39	42	618	1.631	ug/l #	70
31) Cyclohexane	7.82	56	3652	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13881	4.976	ug/l #	47
37) Ethyl Acetate	7.02	43	9984	7.393	ug/l #	81
38) Carbon Tetrachloride	7.82	117	16127	5.975	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	61170	49.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61170	96.541	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001603.D

Acq: 11 Feb 2020 16:43

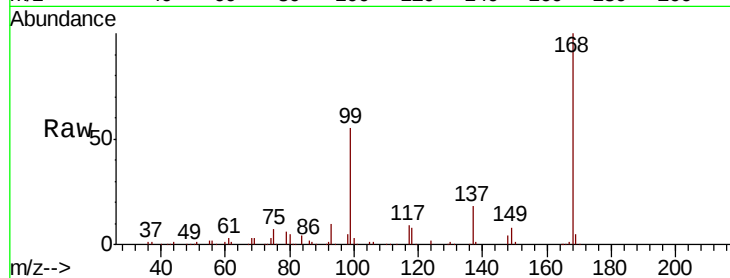
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 167353

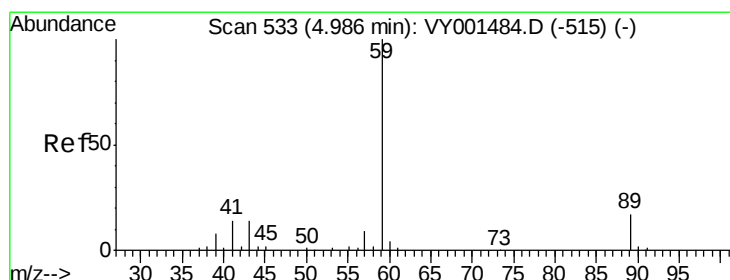
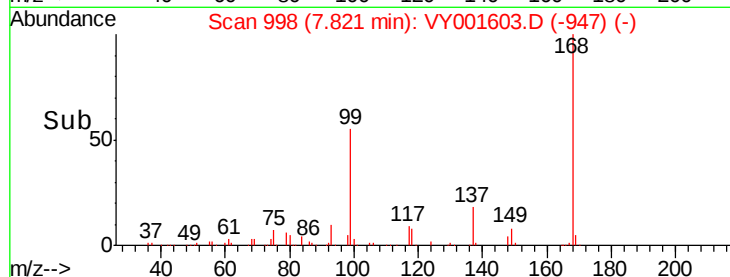
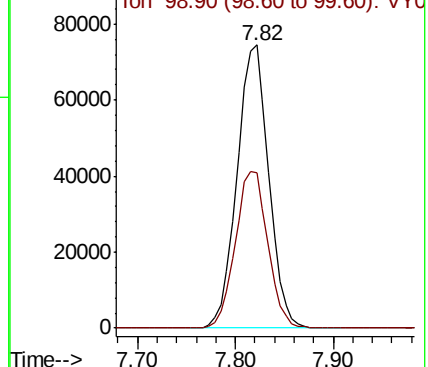
Ion Ratio Lower Upper

168 100

99 54.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)



#11

Tert butyl alcohol

Concen: 15.535 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001603.D

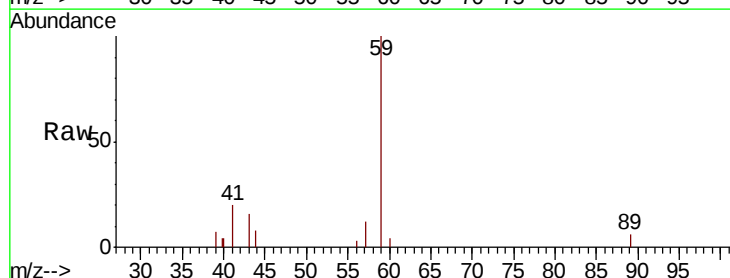
Acq: 11 Feb 2020 16:43

Tgt Ion: 59 Resp: 8953

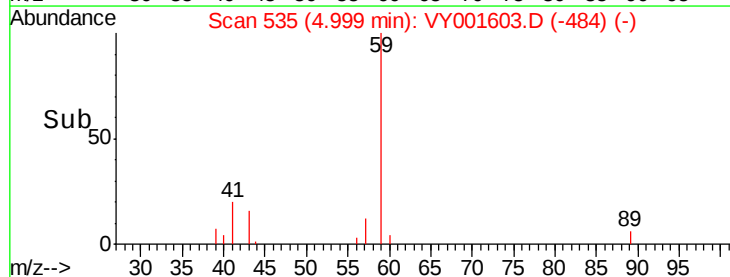
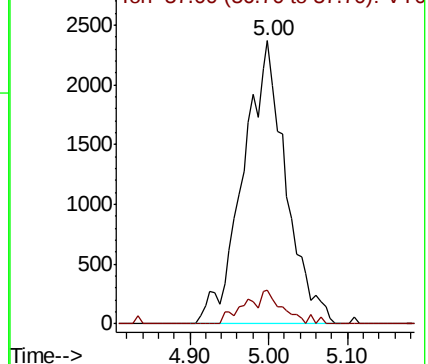
Ion Ratio Lower Upper

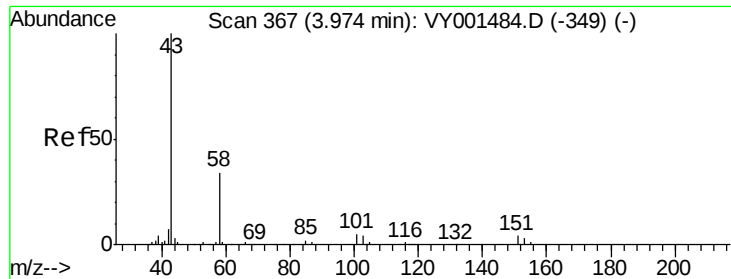
59 100

57 10.1 7.0 10.6



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

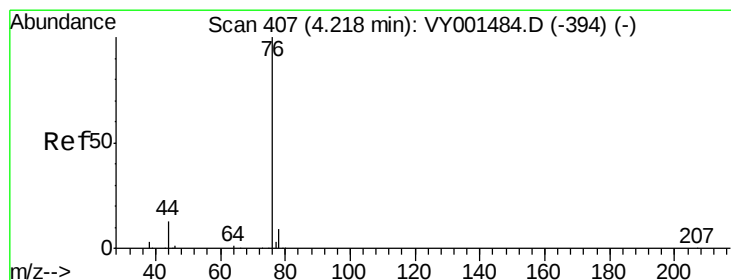
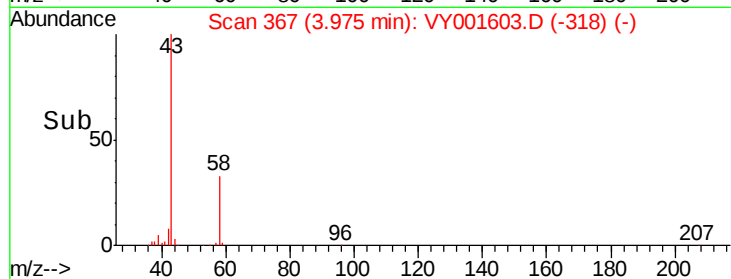
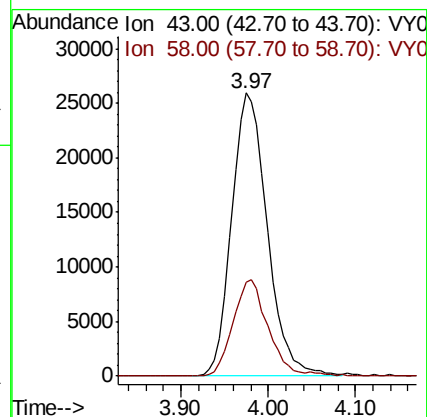
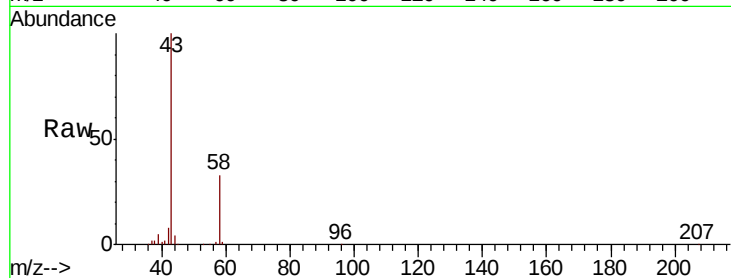




#16
Acetone
Concen: 150.240 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

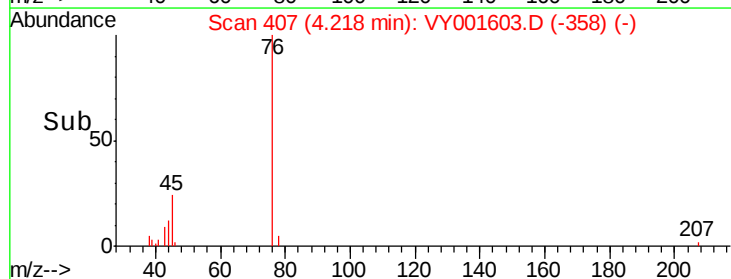
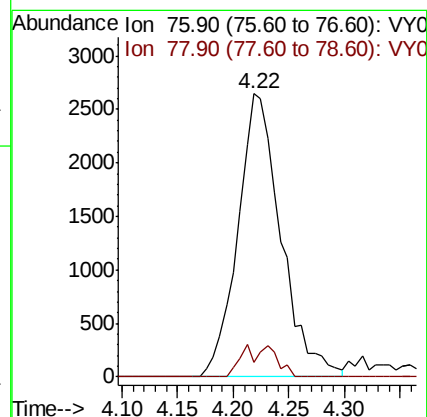
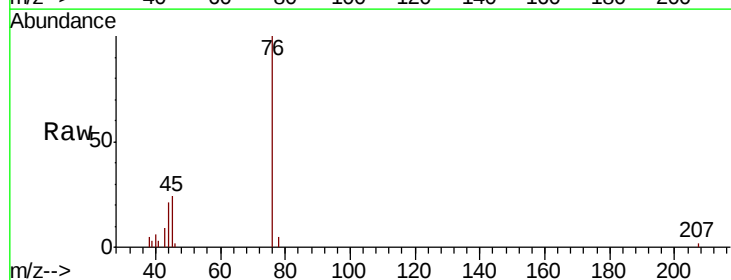
Instrument :
MSVOA_Y
ClientSampleId :

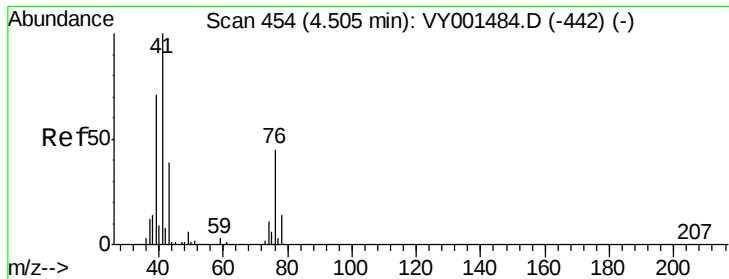
Tot Ion: 43 Resp: 73228
Ion Ratio Lower Upper
43 100
58 33.3 27.5 41.3



#17
Carbon Disulfide
Concen: 1.271 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Tgt Ion: 76 Resp: 7117
Ion Ratio Lower Upper
76 100
78 5.2 7.0 10.6#

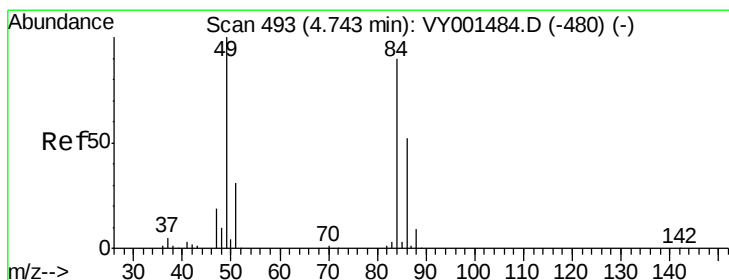
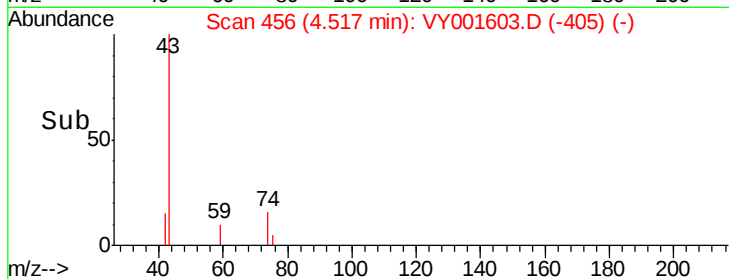
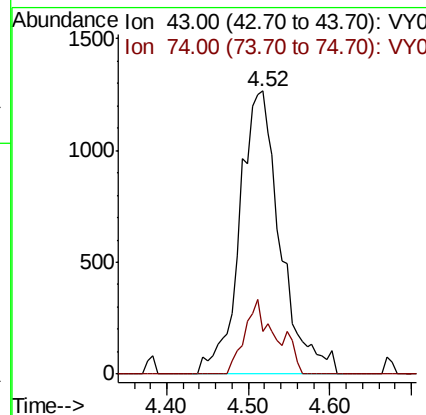
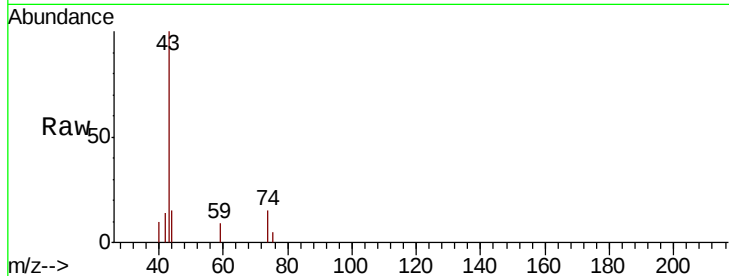




#18
Methyl Acetate
Concen: 4.216 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

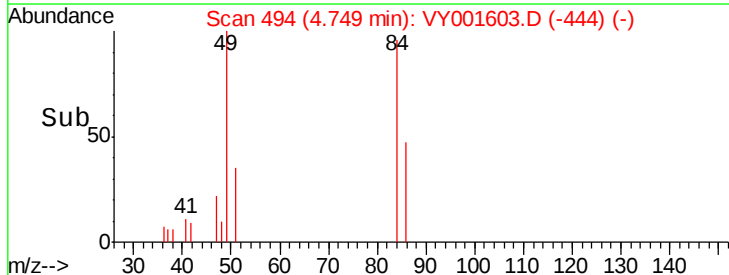
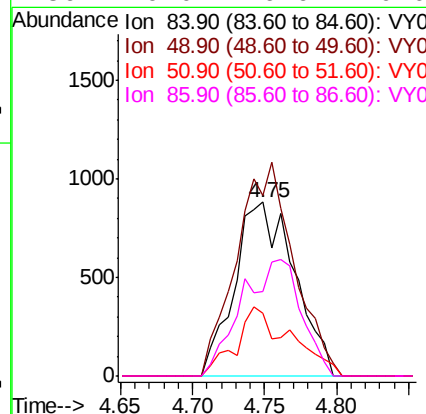
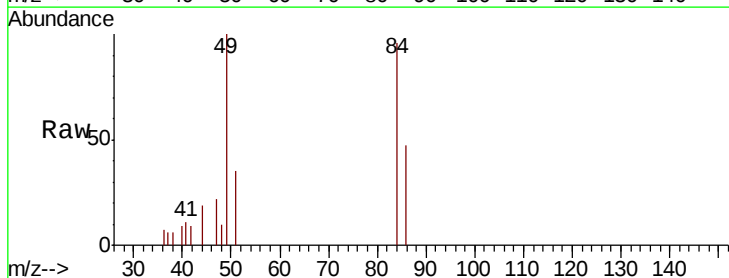
Instrument :
MSVOA_Y
ClientSampled :

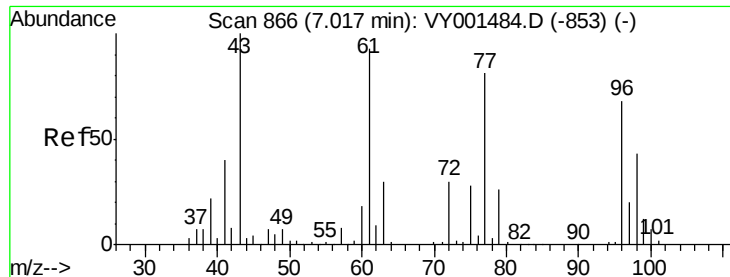
Tot Ion: 43 Resp: 4385
Ion Ratio Lower Upper
43 100
74 16.9 21.0 31.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Tgt Ion: 84 Resp: 2553
Ion Ratio Lower Upper
84 100
49 103.7 89.0 133.6
51 35.9 27.4 41.2
86 49.0 46.6 70.0

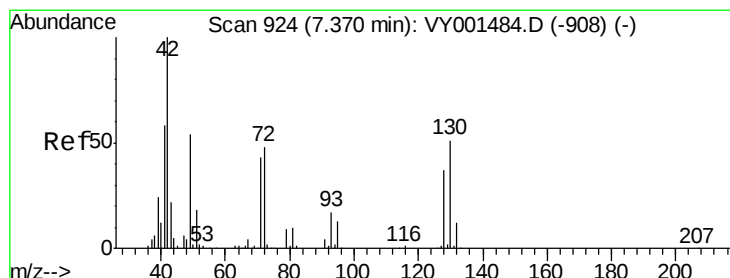
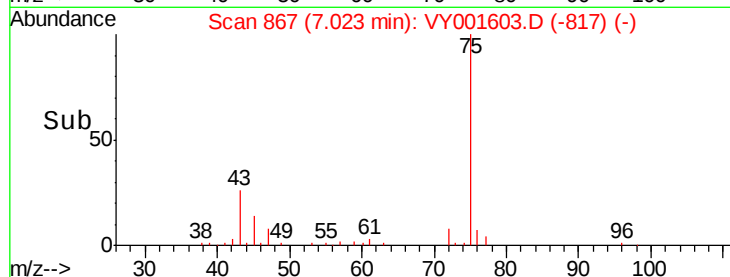
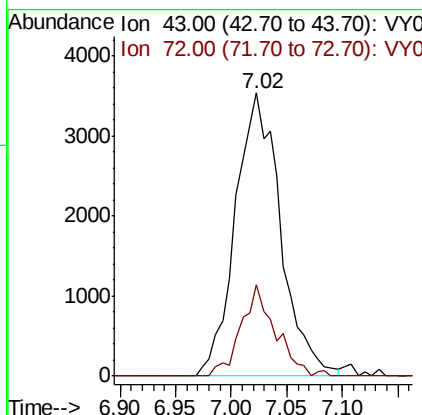
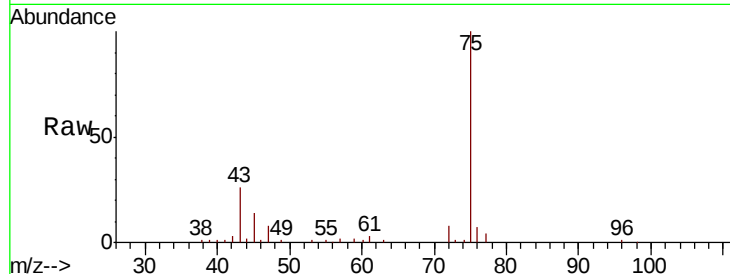




#25
2-Butanone
Concen: 15.789 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

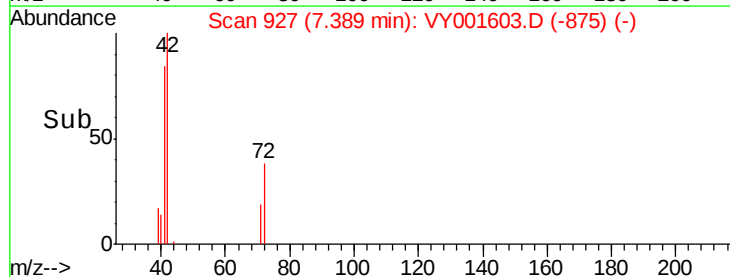
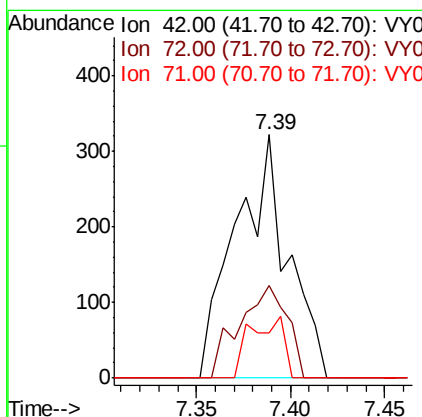
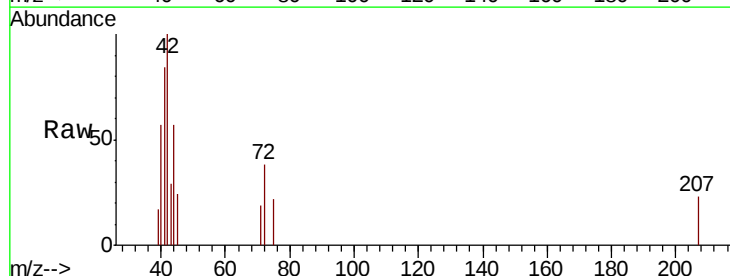
Instrument :
MSVOA_Y
ClientSampled :

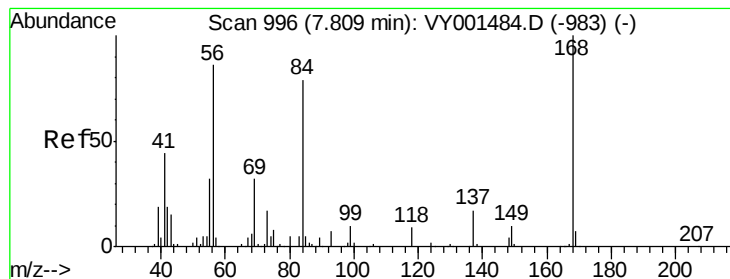
Tot Ion: 43 Resp: 9984
Ion Ratio Lower Upper
43 100
72 32.3 23.8 35.8



#29
Tetrahydrofuran
Concen: 1.631 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Tgt Ion: 42 Resp: 618
Ion Ratio Lower Upper
42 100
72 34.8 37.8 56.6#
71 16.0 34.8 52.2#





#31

Cyclohexane

Concen: 1.113 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001603.D

Acq: 11 Feb 2020 16:43

Instrument :

MSVOA_Y

ClientSampled :

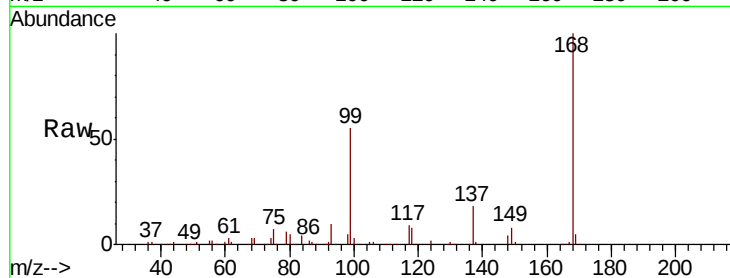
Tot Ion: 56 Resp: 3652

Ion Ratio Lower Upper

56 100

69 167.5 29.6 44.4#

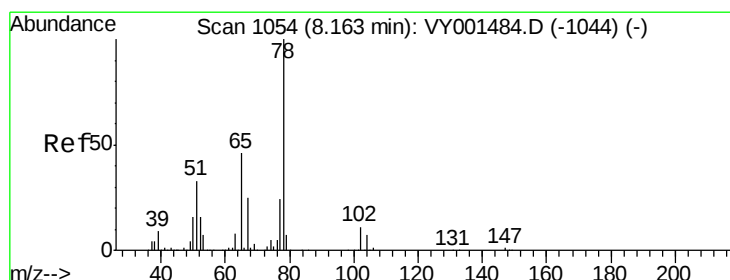
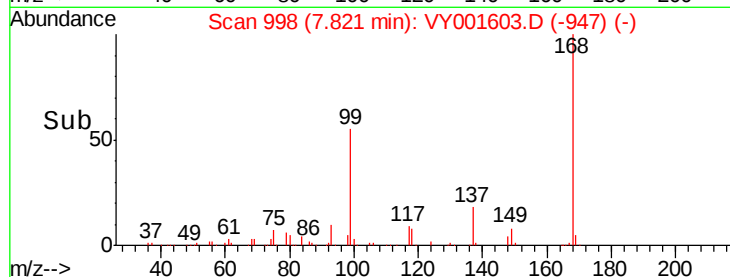
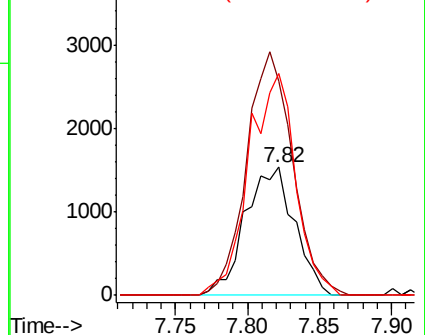
84 173.7 73.6 110.4#



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: 59.048 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001603.D

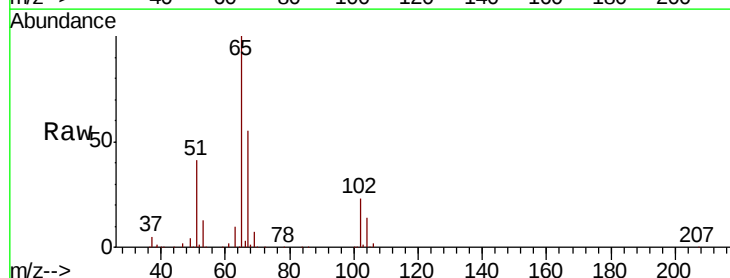
Acq: 11 Feb 2020 16:43

Tgt Ion: 65 Resp: 99496

Ion Ratio Lower Upper

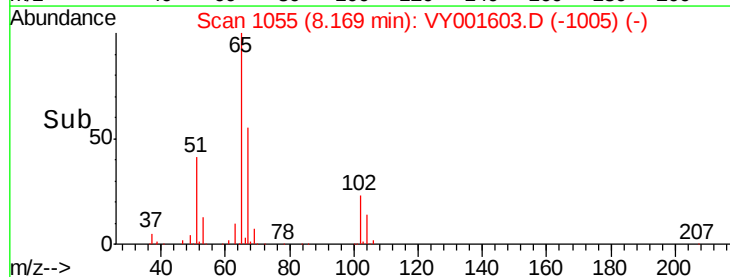
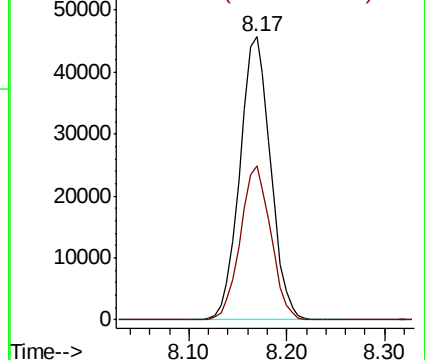
65 100

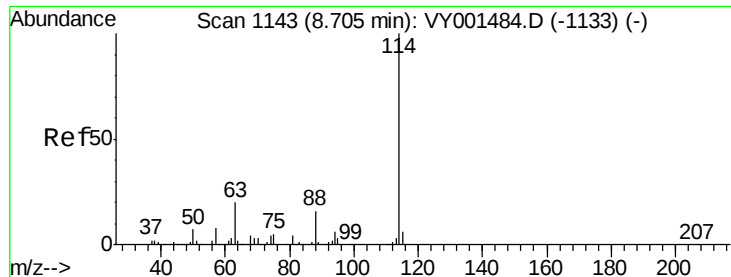
67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

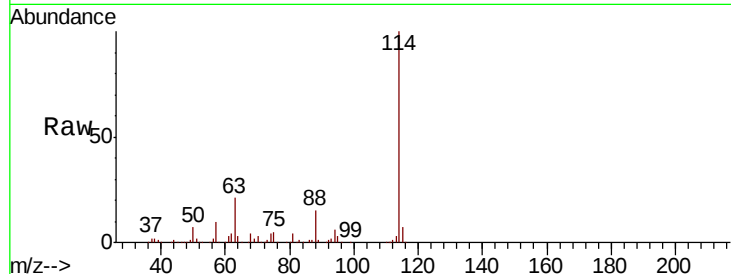




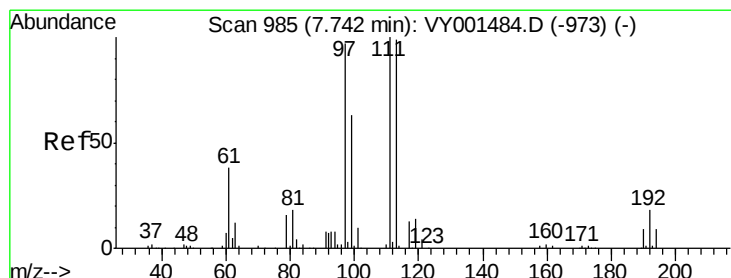
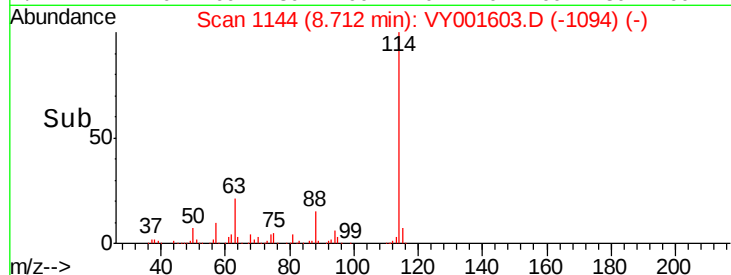
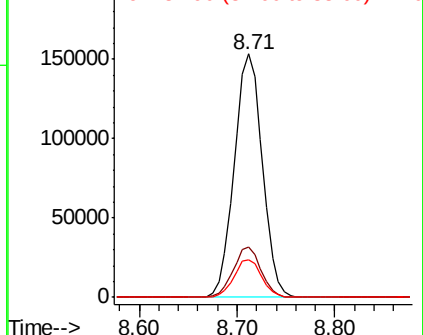
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001603.D
 Acq: 11 Feb 2020 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.8
88	15.3	0.0	32.6

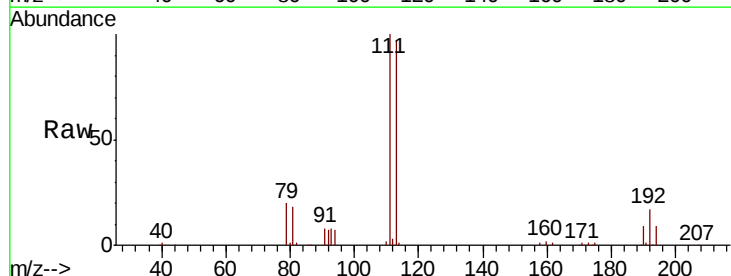


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

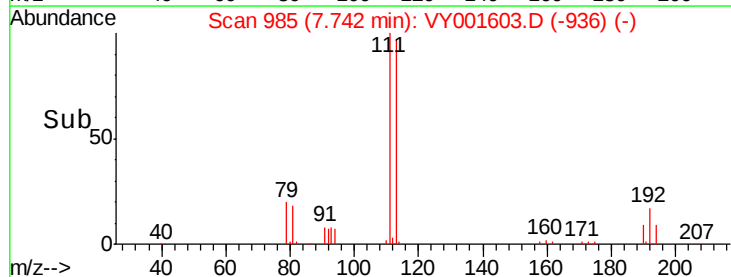
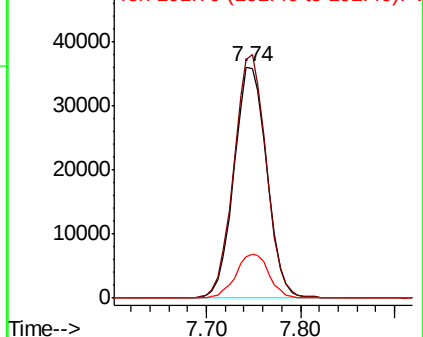


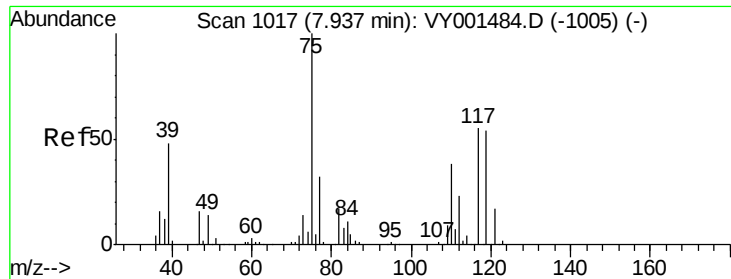
#35
 Dibromofluoromethane
 Concen: 49.799 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001603.D
 Acq: 11 Feb 2020 16:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.9	124.3
192	19.3	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

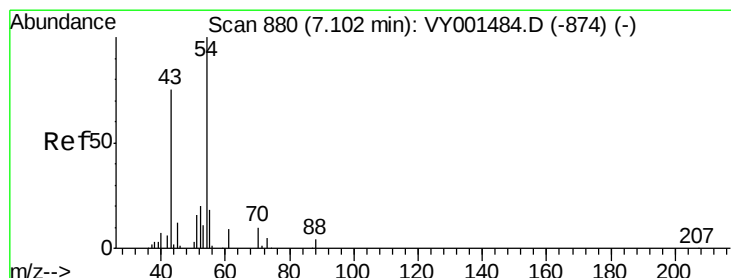
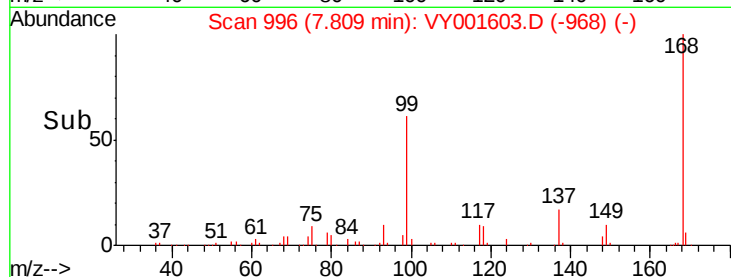
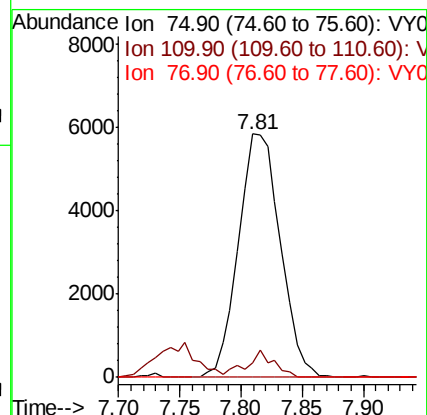
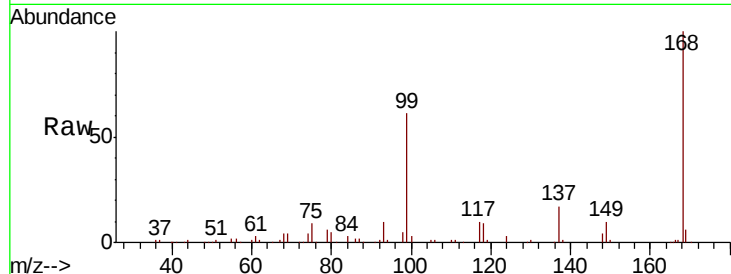




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001603.D
 Acq: 11 Feb 2020 16:43

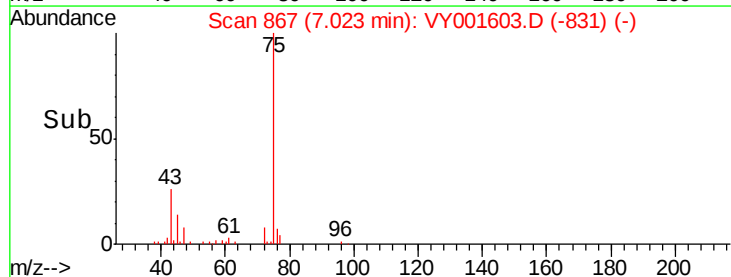
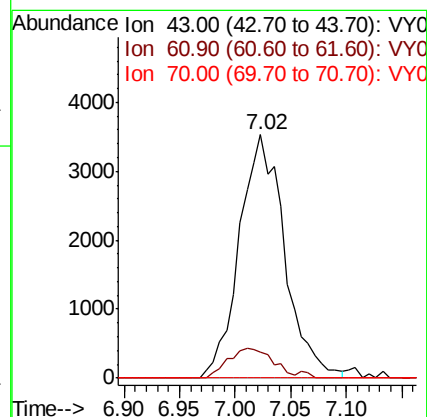
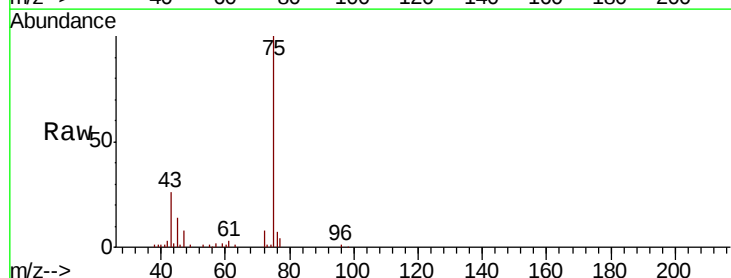
Instrument :
 MSVOA_Y
 ClientSampleId :

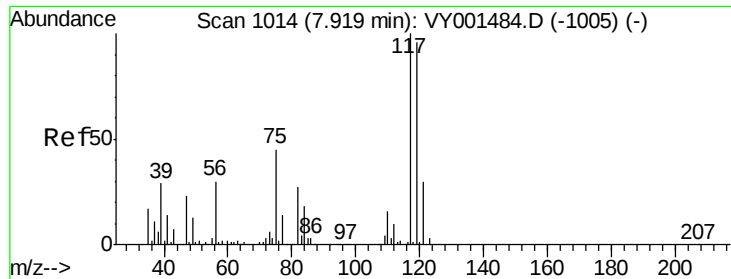
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 7.393 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.08 min
 Lab File: VY001603.D
 Acq: 11 Feb 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.0	12.0	18.0#
70	0.0	10.2	15.4#

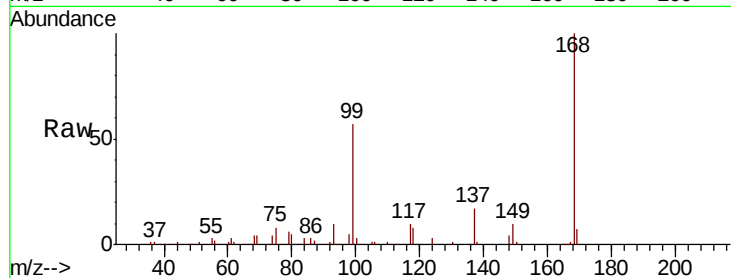




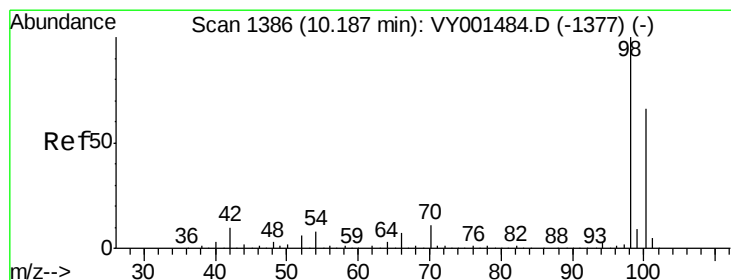
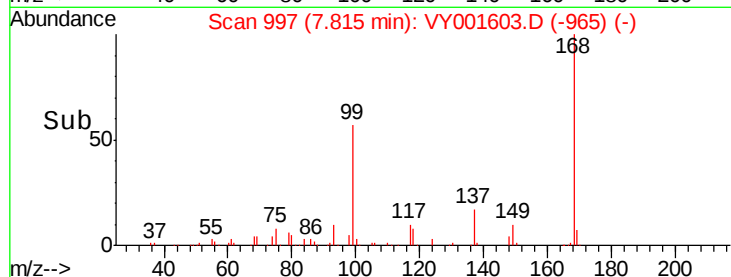
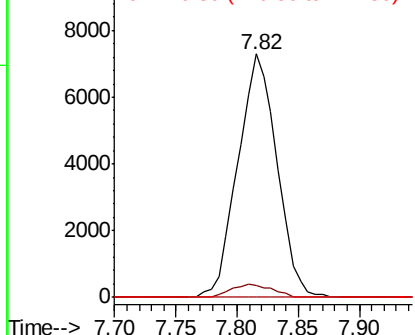
#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16127
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 24.2 36.4#

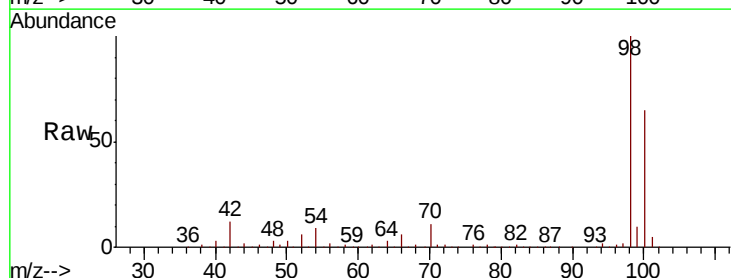


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

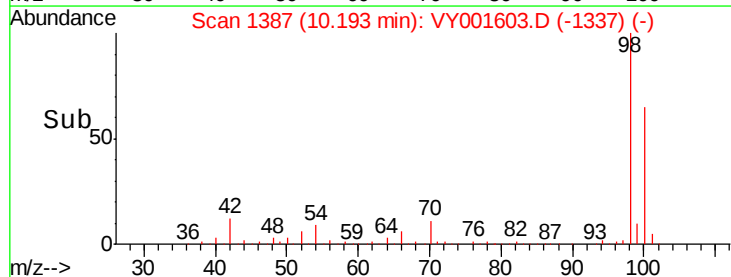
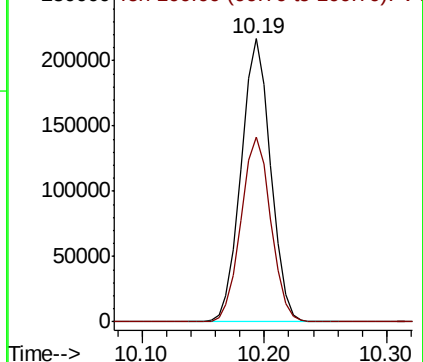


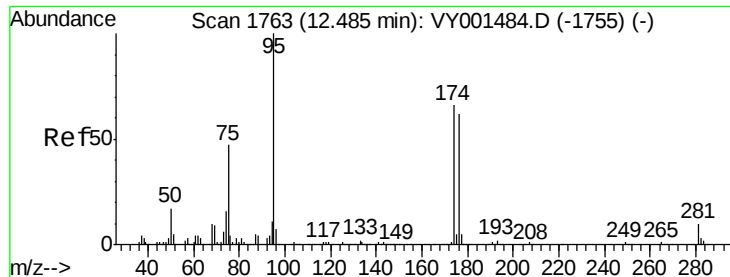
#50
Toluene-d8
Concen: 54.580 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Tgt Ion: 98 Resp: 363119
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



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

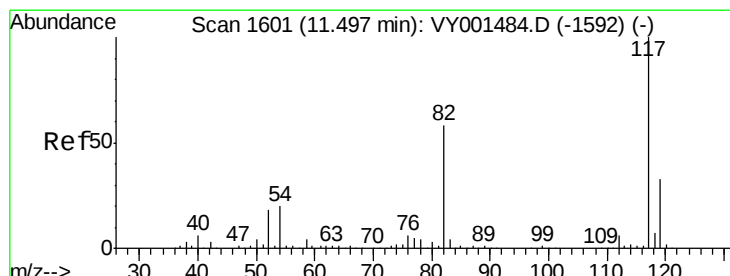
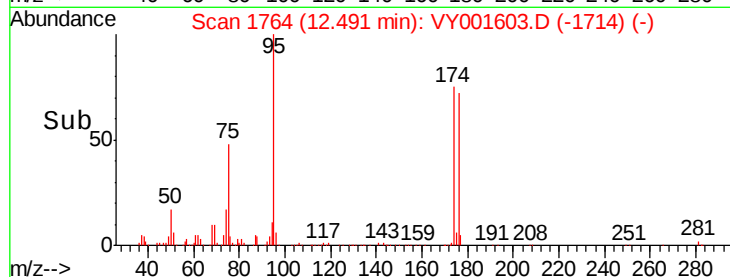
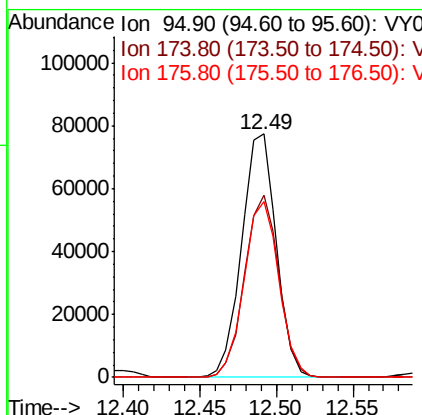
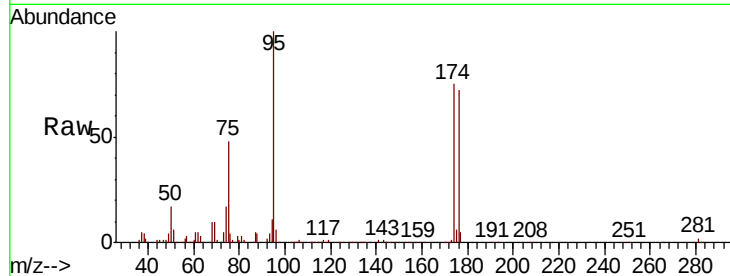




#62
4-Bromofluorobenzene
Concen: 46.381 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

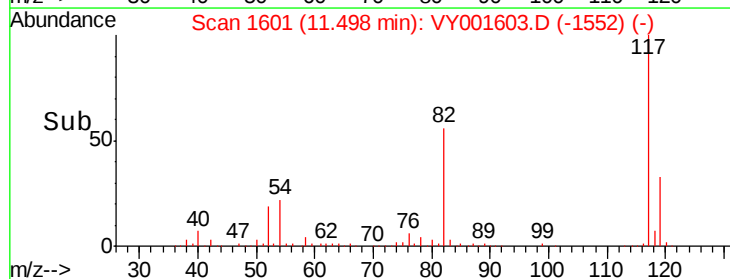
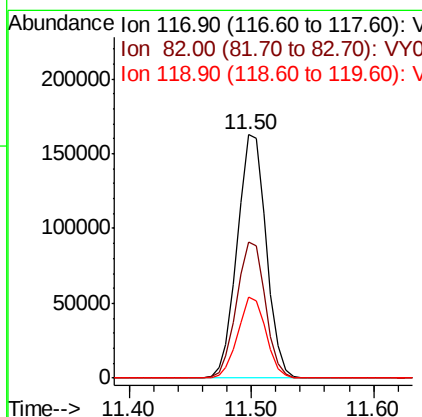
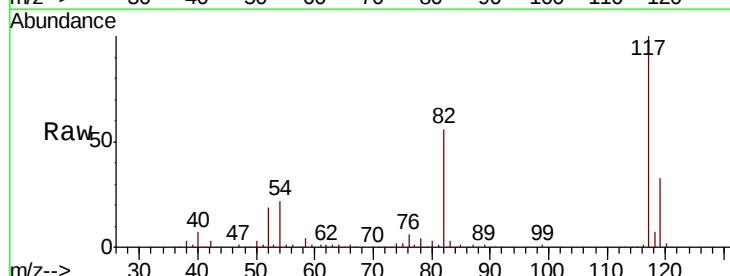
Instrument :
MSVOA_Y
ClientSampleId :

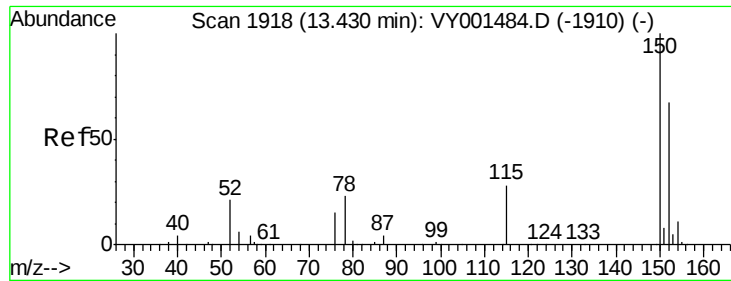
Tot Ion: 95 Resp: 121561
Ion Ratio Lower Upper
95 100
174 74.5 0.0 141.4
176 72.8 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001603.D
Acq: 11 Feb 2020 16:43

Tgt Ion: 117 Resp: 266888
Ion Ratio Lower Upper
117 100
82 56.0 46.1 69.1
119 33.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001603.D

Acq: 11 Feb 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

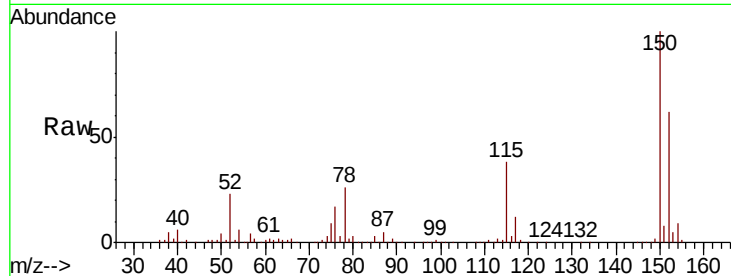
Tot Ion:152 Resp: 114005

Ion Ratio Lower Upper

152 100

115 60.7 31.4 94.3

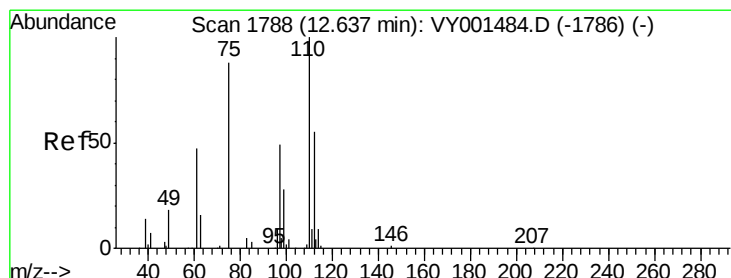
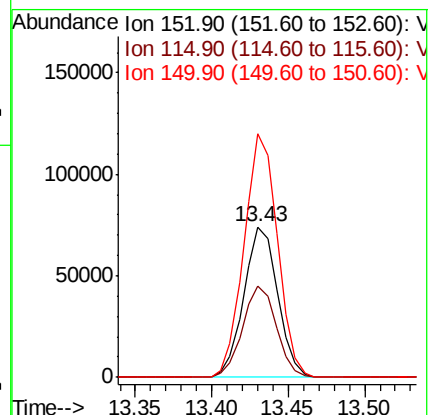
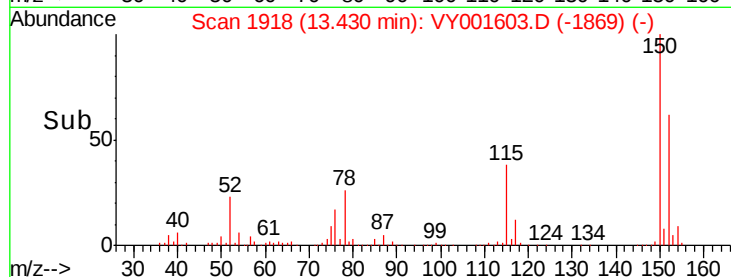
150 159.9 0.0 346.8



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: 49.893 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001603.D

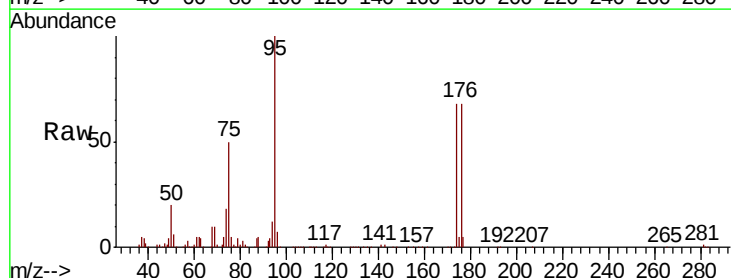
Acq: 11 Feb 2020 16:43

Tgt Ion: 75 Resp: 61170

Ion Ratio Lower Upper

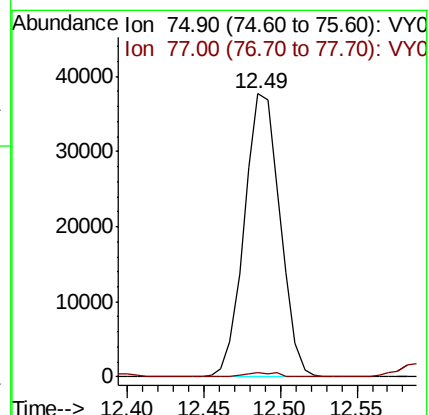
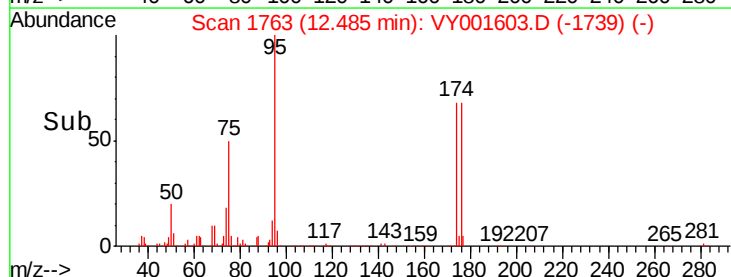
75 100

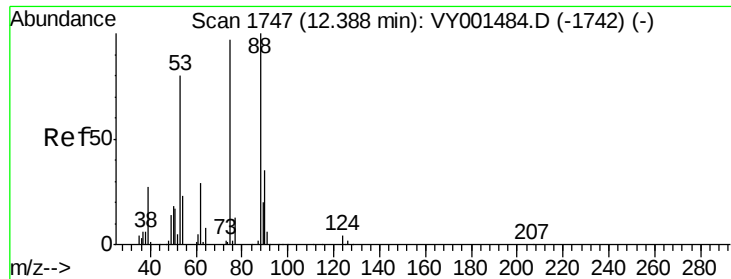
77 1.4 0.0 0.0#



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: 96.541 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001603.D

Acq: 11 Feb 2020 16:43

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 61170

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

