

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001630.D
 Acq On : 13 Feb 2020 16:52
 Operator : SY/MD
 Sample : L1525-02
 Misc : 6.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 14 06:25:20 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	162273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	295698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	268374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118408	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	97071	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	
35) Dibromofluoromethane	7.75	113	85426	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.19	98	353352	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
62) 4-Bromofluorobenzene	12.49	95	122135	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

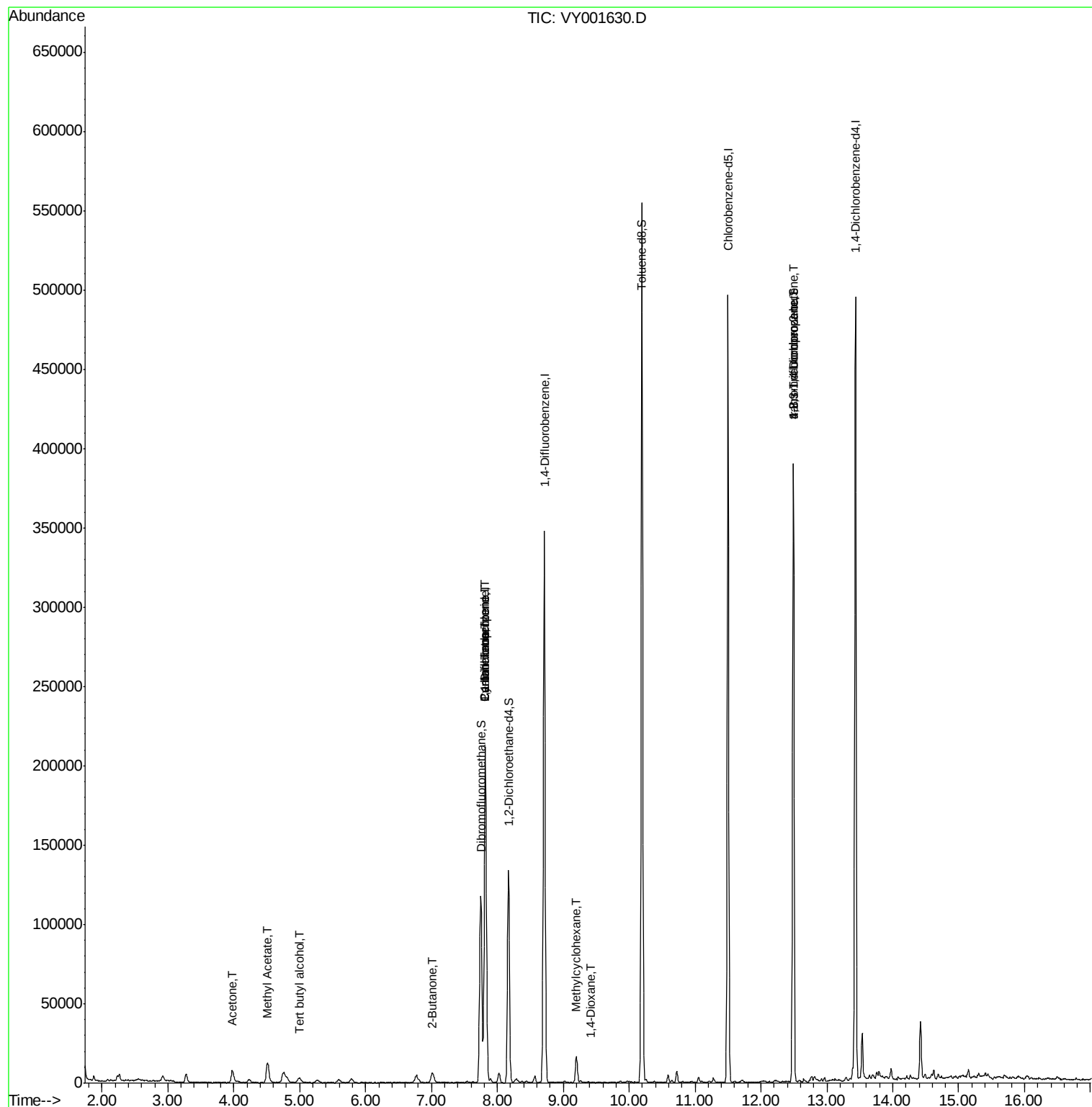
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	6470	1.618	ug/l #	89
16) Acetone	3.97	43	14225	30.099	ug/l	92
18) Methyl Acetate	4.51	43	25277	25.063	ug/l	94
20) Methylene Chloride	4.76	84	4408	Below Cal		94
25) 2-Butanone	7.02	43	987	1.610	ug/l #	45
31) Cyclohexane	7.82	56	4479	1.408	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13164	4.866	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15721	6.007	ug/l #	16
39) Methylcyclohexane	9.20	83	6503	1.826	ug/l	96
49) 1,4-Dioxane	9.42	88	26	1.882	ug/l #	22
76) 1,2,3-Trichloropropane	12.49	75	62367	48.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62367	94.770	ug/l #	16

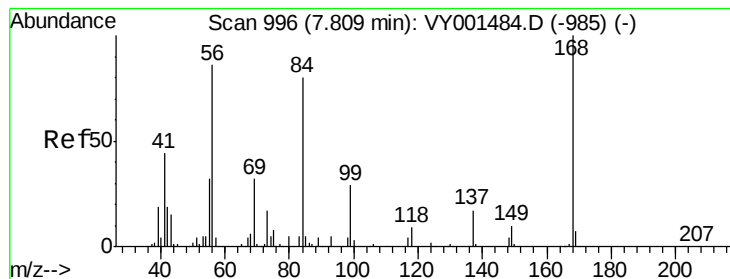
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001630.D

Acq: 13 Feb 2020 16:52

Instrument :

MSVOA_Y

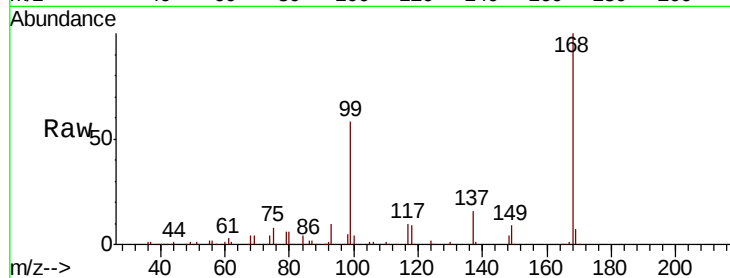
ClientSampled :

Tot Ion:168 Resp: 162273

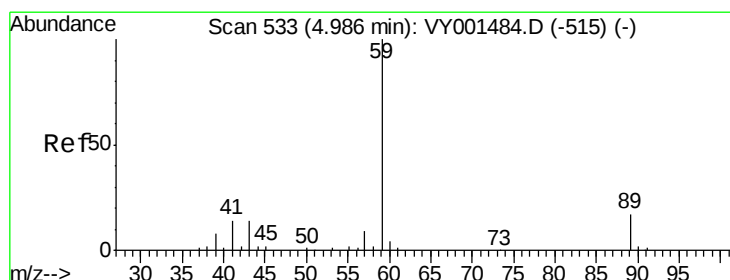
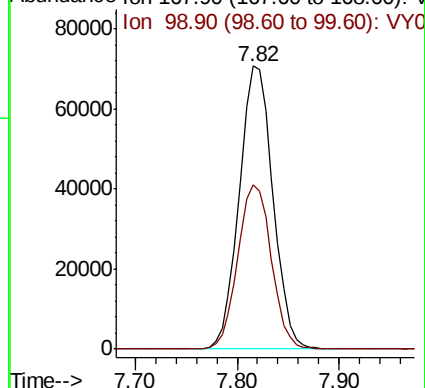
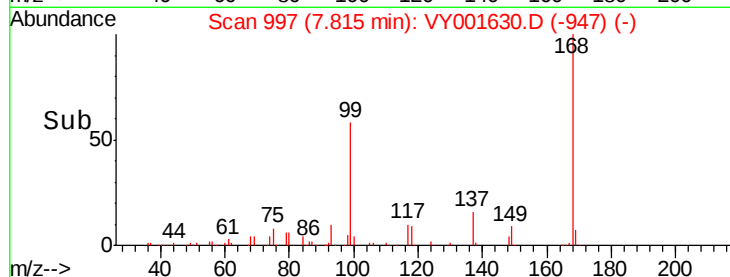
Ion Ratio Lower Upper

168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001630.D (-947) (-)



#11

Tert butyl alcohol

Concen: 1.618 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001630.D

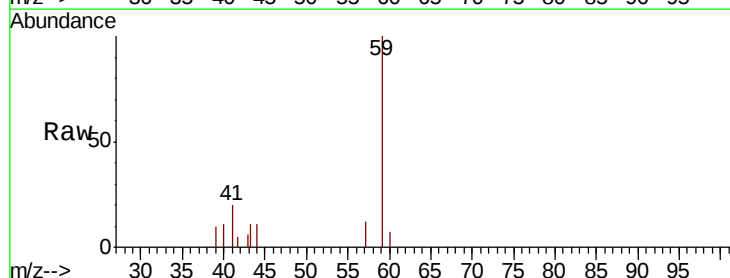
Acq: 13 Feb 2020 16:52

Tgt Ion: 59 Resp: 6470

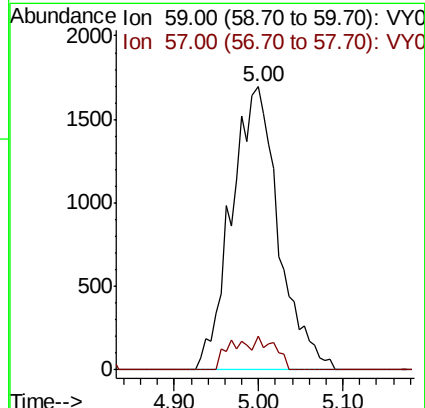
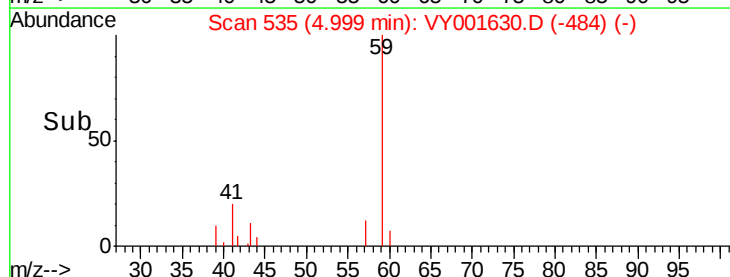
Ion Ratio Lower Upper

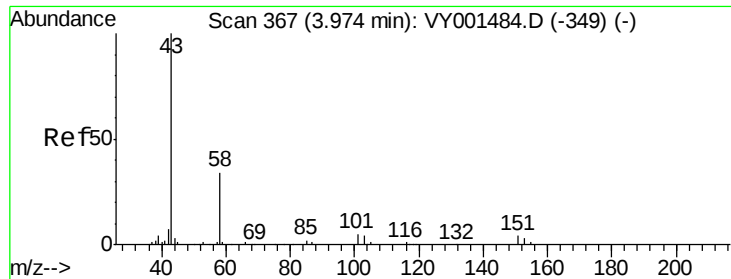
59 100

57 4.8 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001630.D (-484) (-)





#16

Acetone

Concen: 30.099 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001630.D

Acq: 13 Feb 2020 16:52

Instrument :

MSVOA_Y

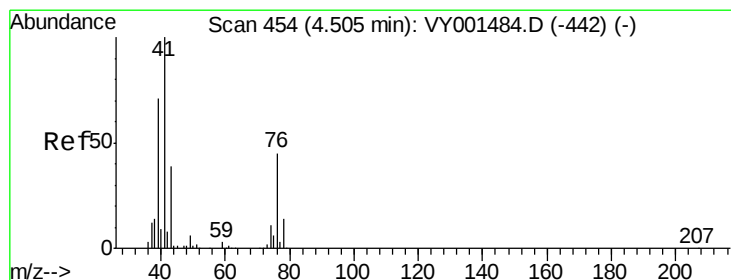
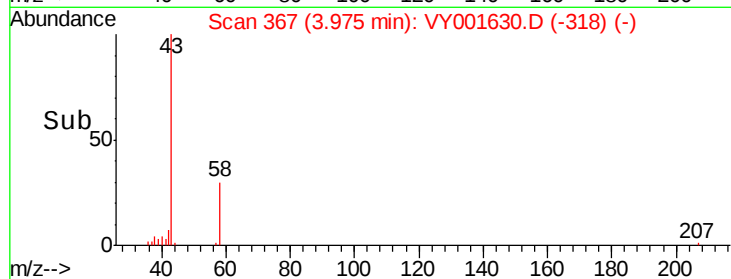
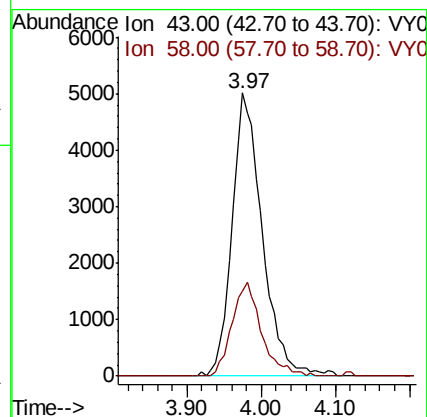
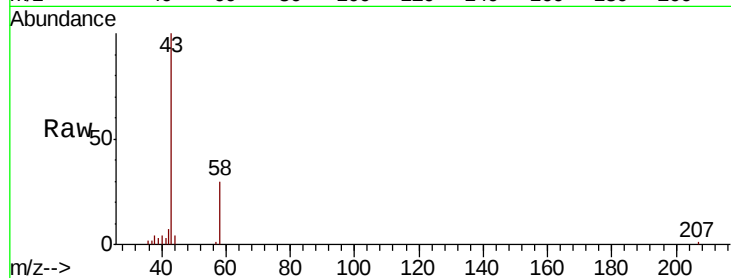
ClientSampled :

Tot Ion: 43 Resp: 14225

Ion Ratio Lower Upper

43 100

58 29.9 27.5 41.3



#18

Methyl Acetate

Concen: 25.063 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY001630.D

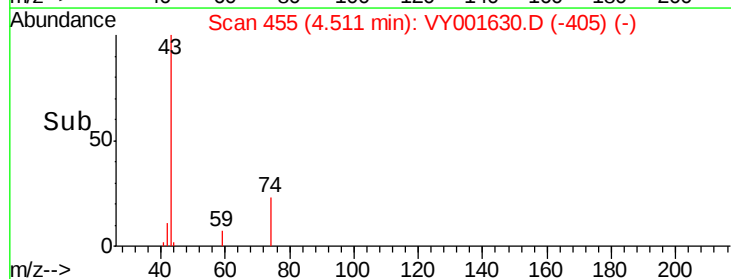
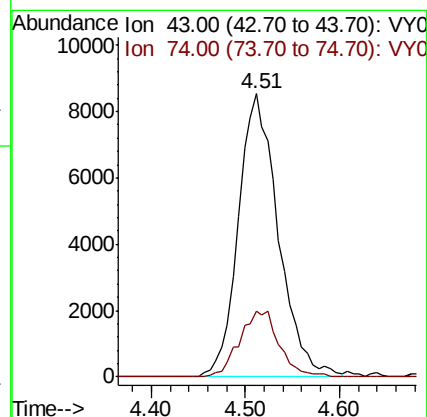
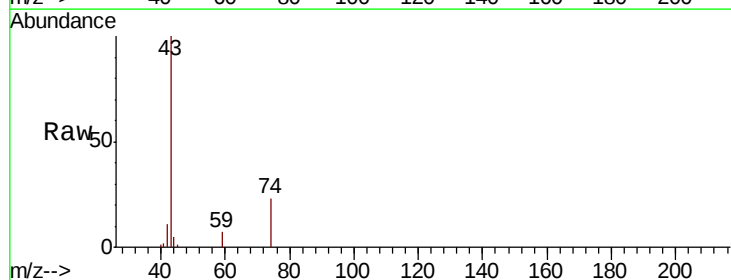
Acq: 13 Feb 2020 16:52

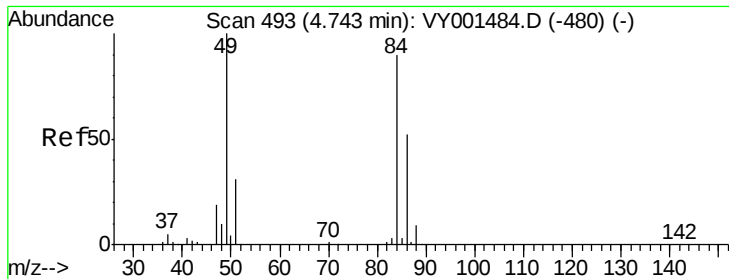
Tgt Ion: 43 Resp: 25277

Ion Ratio Lower Upper

43 100

74 23.0 21.0 31.6

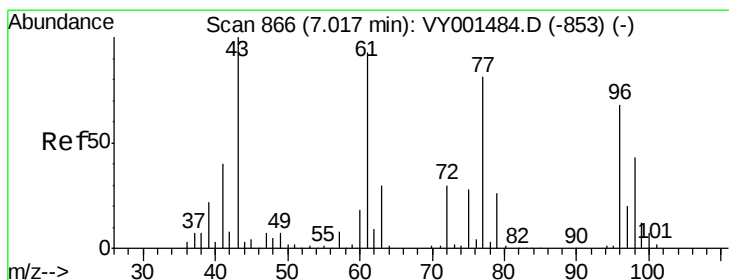
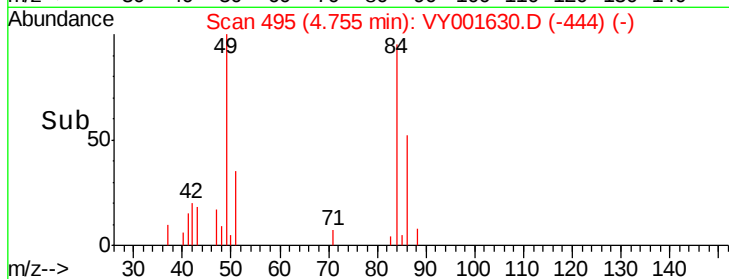
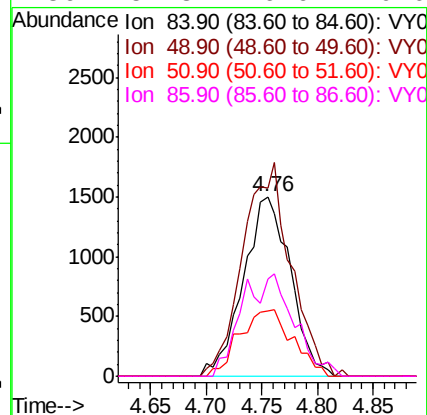
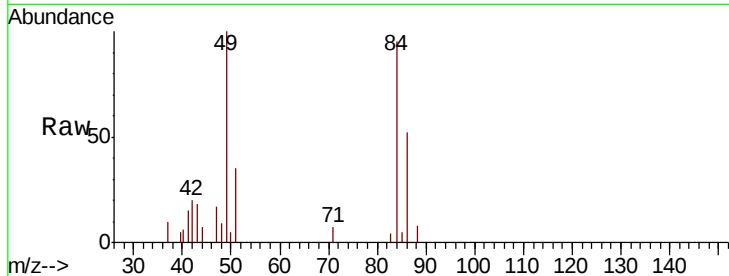




#20
Methylene Chloride
Concen: Below Cal
RT: 4.76 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

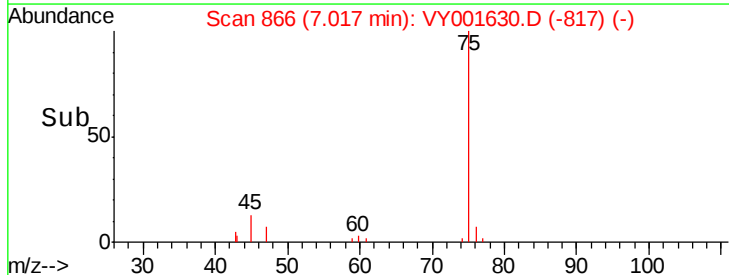
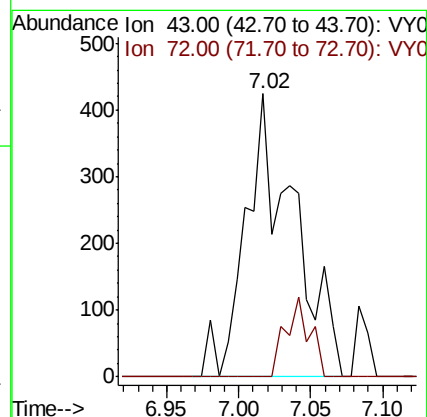
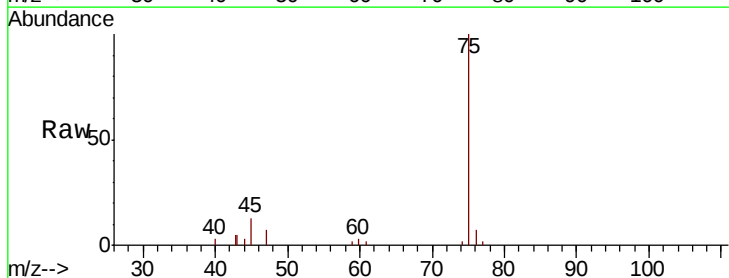
Instrument :
MSVOA_Y
ClientSampled :

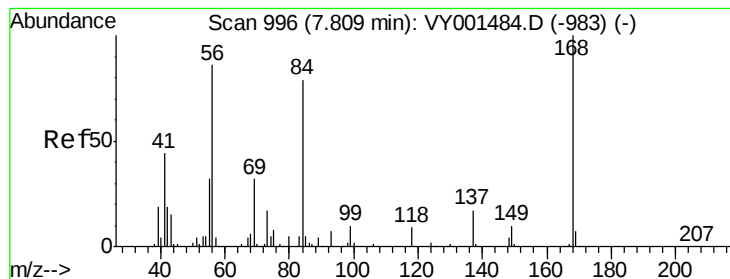
Tot Ion: 84 Resp: 4408
Ion Ratio Lower Upper
84 100
49 104.9 89.0 133.6
51 36.7 27.4 41.2
86 54.3 46.6 70.0



#25
2-Butanone
Concen: 1.610 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#





#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001630.D

Acq: 13 Feb 2020 16:52

Instrument :

MSVOA_Y

ClientSampleId :

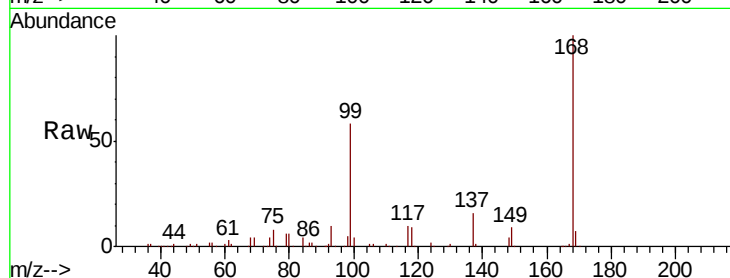
Tot Ion: 56 Resp: 4479

Ion Ratio Lower Upper

56 100

69 164.9 29.6 44.4#

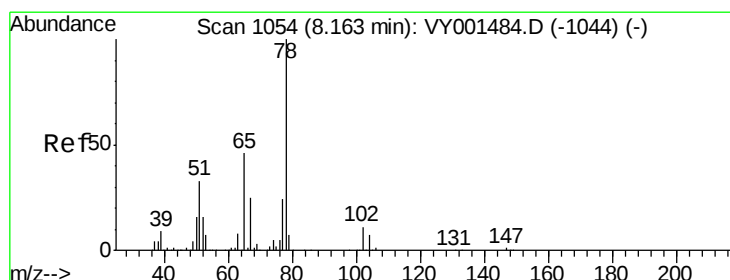
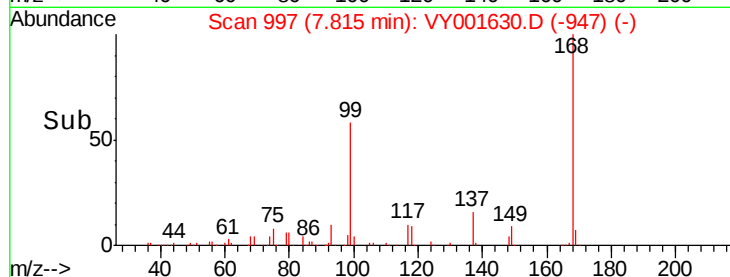
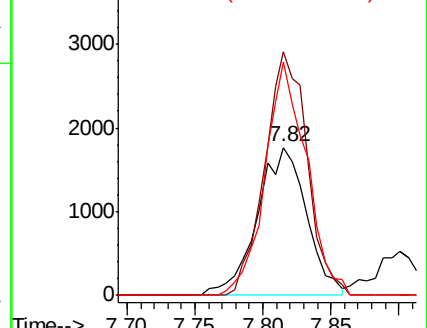
84 157.9 73.6 110.4#



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: 59.412 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001630.D

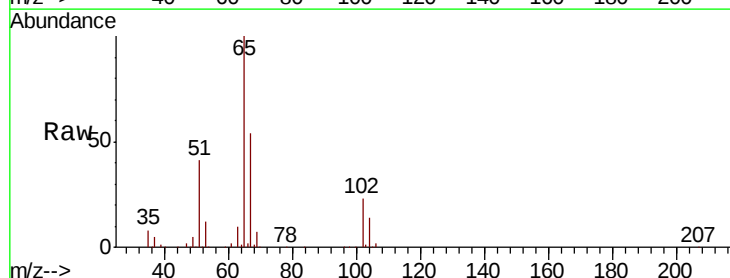
Acq: 13 Feb 2020 16:52

Tgt Ion: 65 Resp: 97071

Ion Ratio Lower Upper

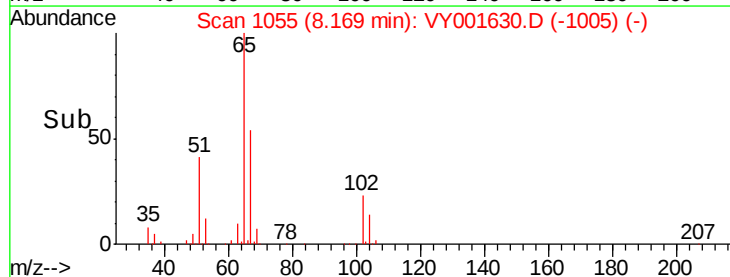
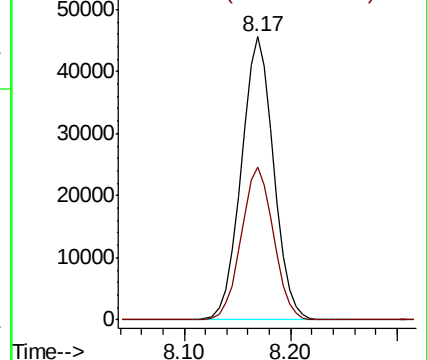
65 100

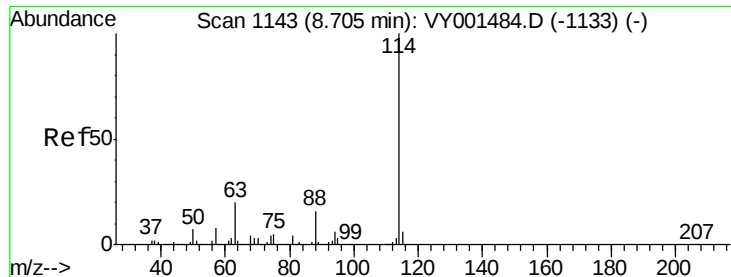
67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

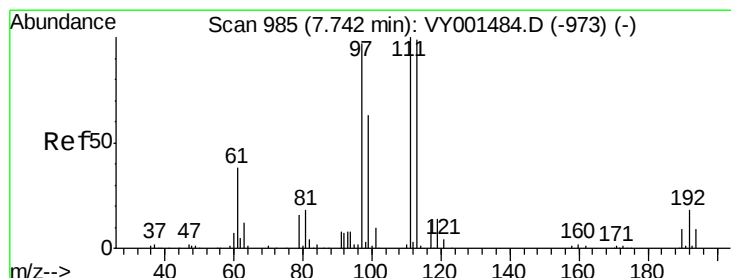
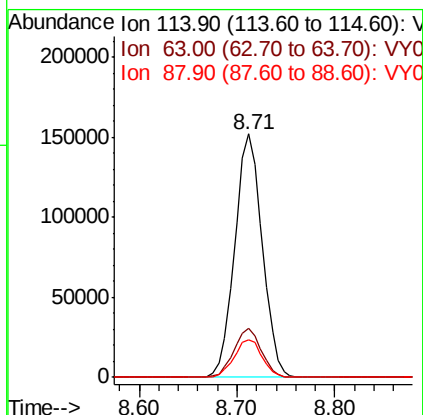
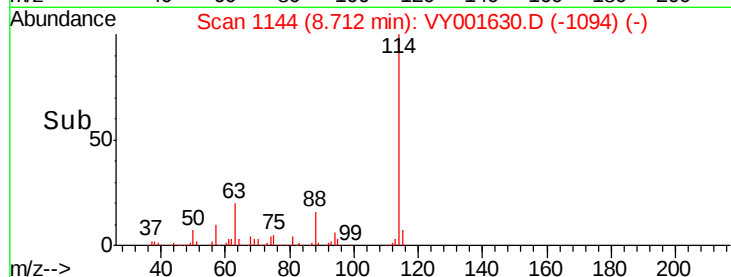
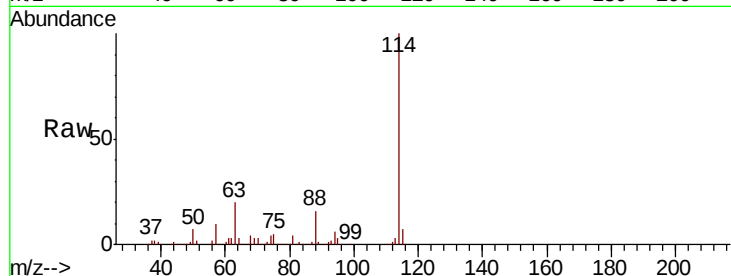




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

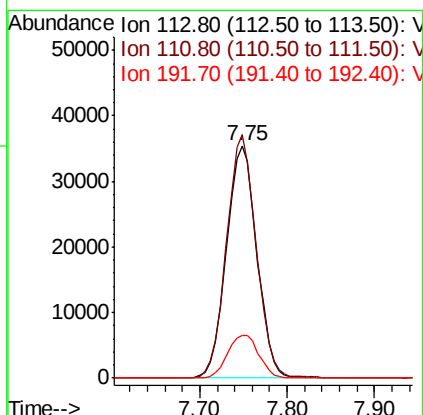
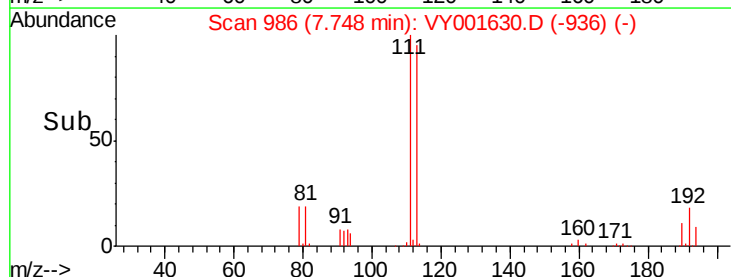
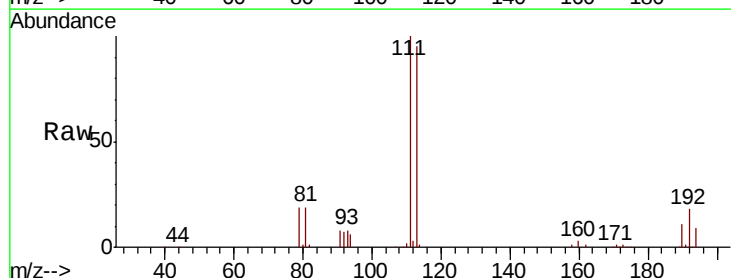
Instrument :
MSVOA_Y
ClientSampleId :

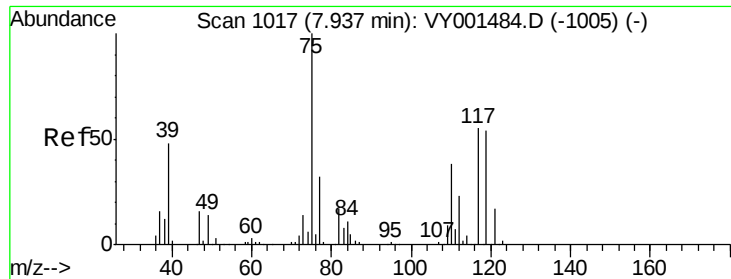
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.6	0.0	32.6



#35
Dibromofluoromethane
Concen: 50.099 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.0	14.6	22.0

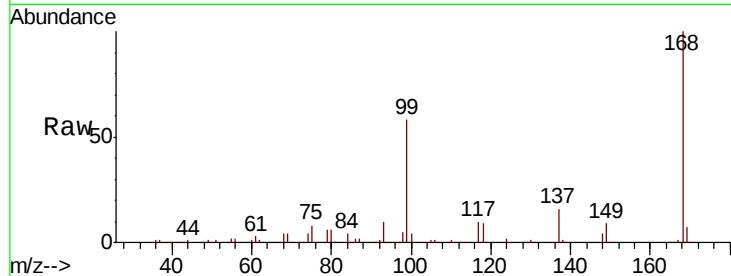




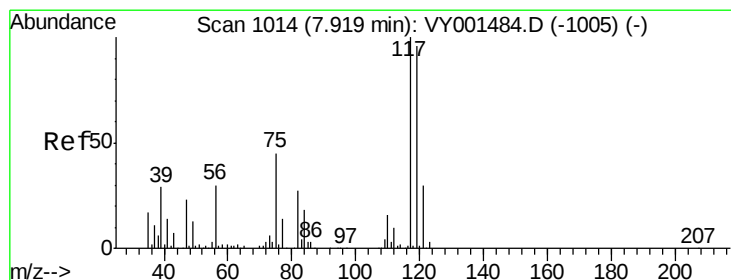
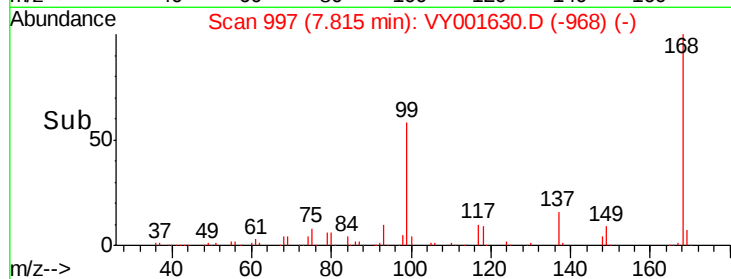
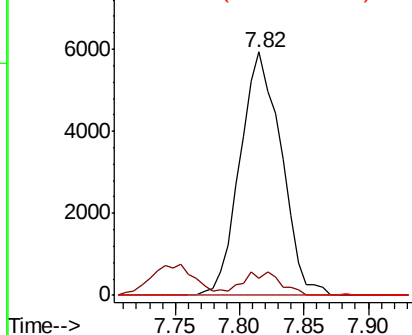
#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001630.D
 Acq: 13 Feb 2020 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	25.0	37.4#

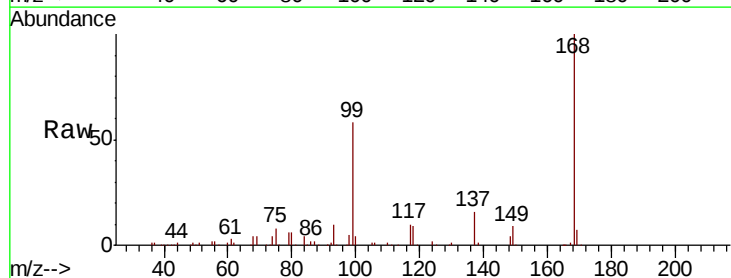


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

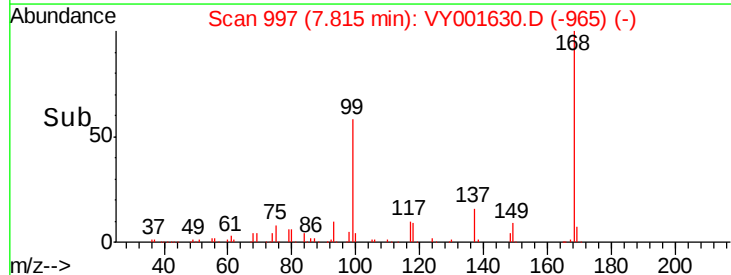
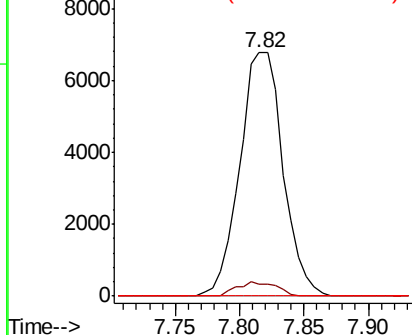


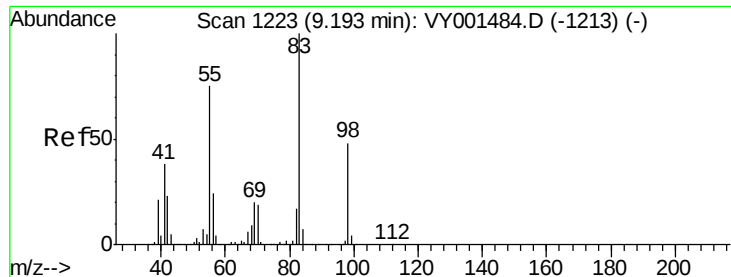
#38
 Carbon Tetrachloride
 Concen: 6.007 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY001630.D
 Acq: 13 Feb 2020 16:52

Tgt 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): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0

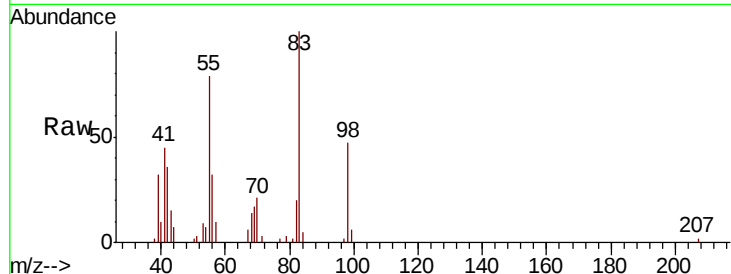




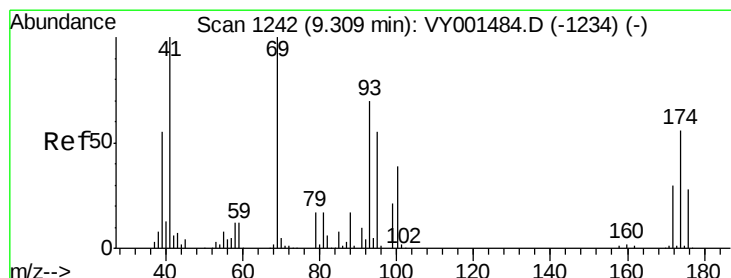
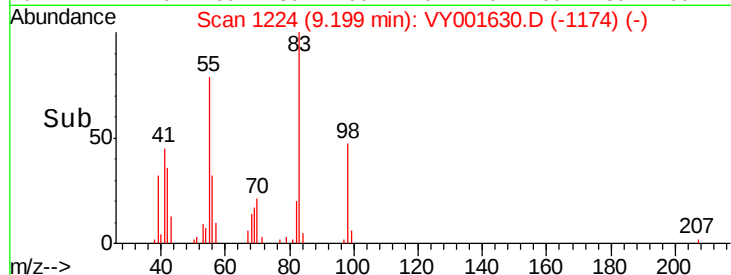
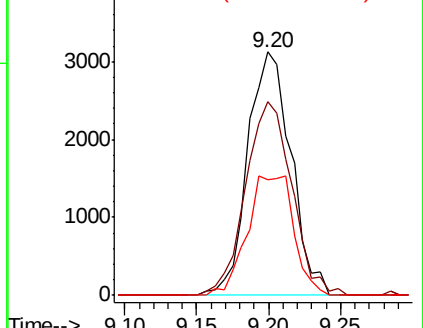
#39
Methylcyclohexane
Concen: 1.826 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 6503
Ion Ratio Lower Upper
83 100
55 79.4 59.8 89.6
98 47.3 38.6 57.8

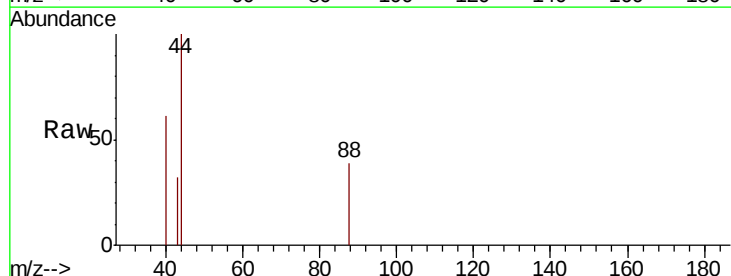


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

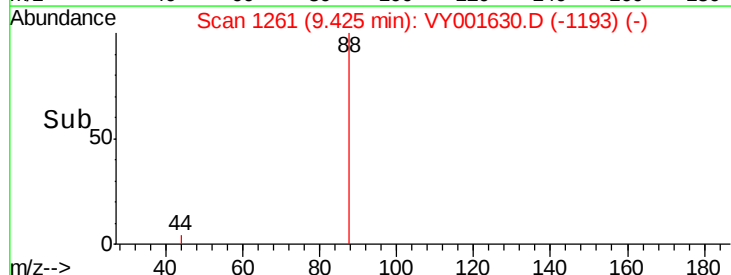
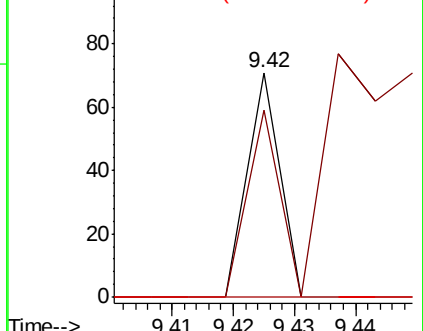


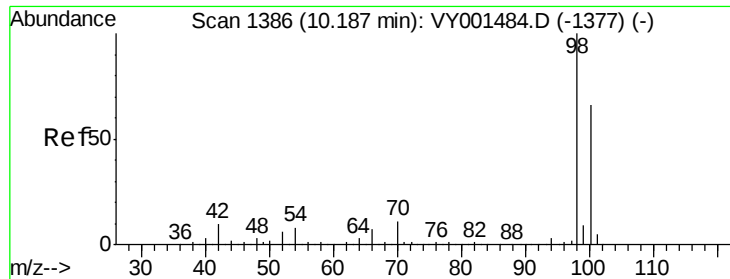
#49
1,4-Dioxane
Concen: 1.882 ug/l
RT: 9.42 min Scan# 1261
Delta R.T. 0.12 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 24.8 37.2#
58 0.0 59.3 88.9#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 54.773 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001630.D

Acq: 13 Feb 2020 16:52

Instrument :

MSVOA_Y

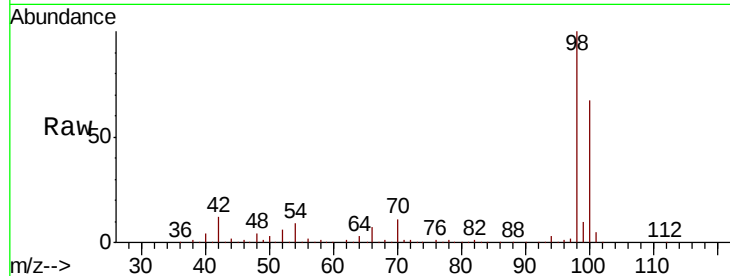
ClientSampleId :

Tot Ion: 98 Resp: 353352

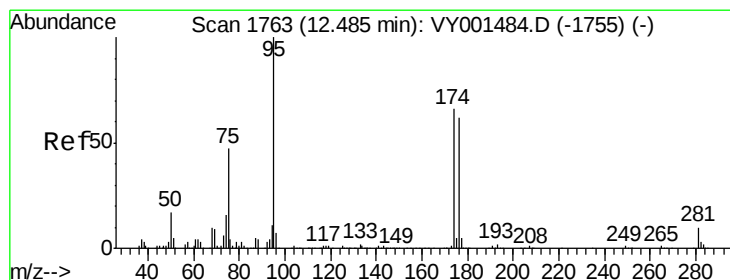
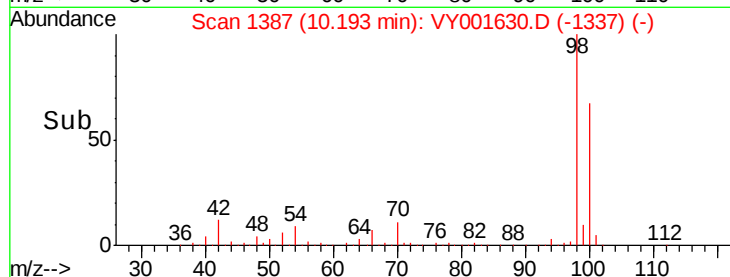
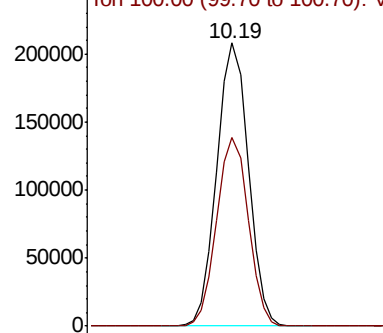
Ion Ratio Lower Upper

98 100

100 66.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 48.057 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001630.D

Acq: 13 Feb 2020 16:52

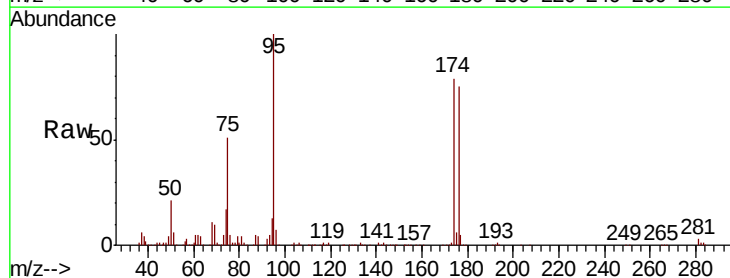
Tgt Ion: 95 Resp: 122135

Ion Ratio Lower Upper

95 100

174 76.3 0.0 141.4

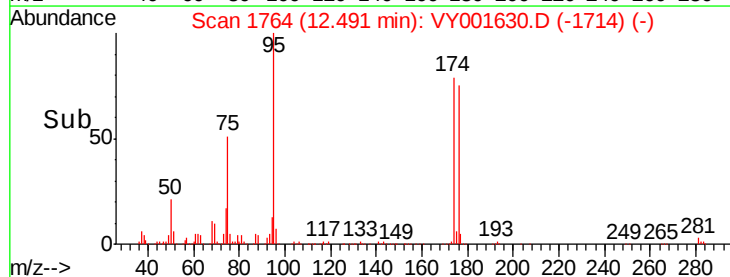
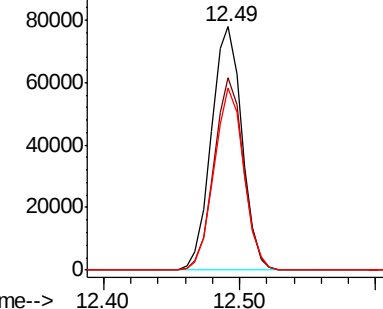
176 73.0 0.0 135.4

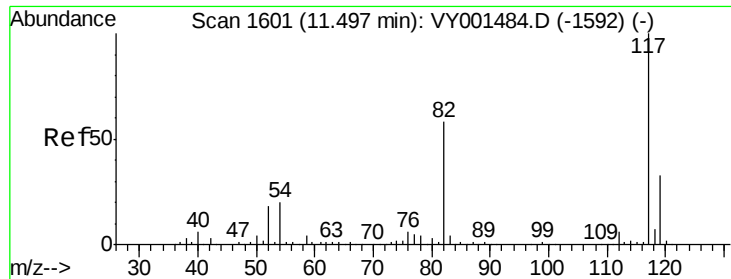


Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001484.D (-1755) (-)

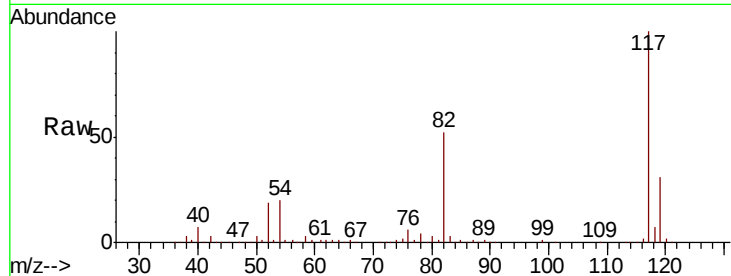




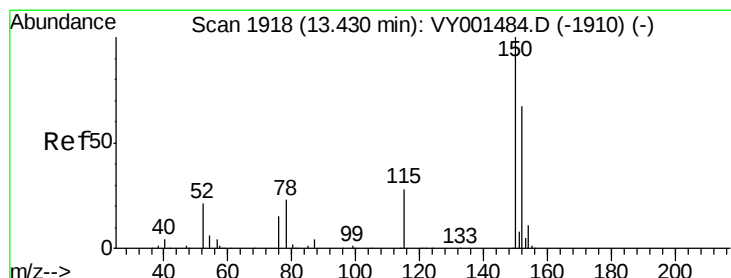
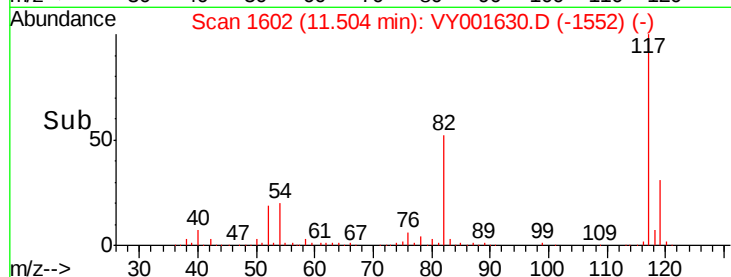
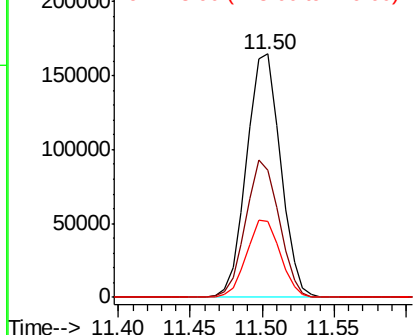
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 268374
Ion Ratio Lower Upper
117 100
82 52.4 46.1 69.1
119 31.3 26.1 39.1

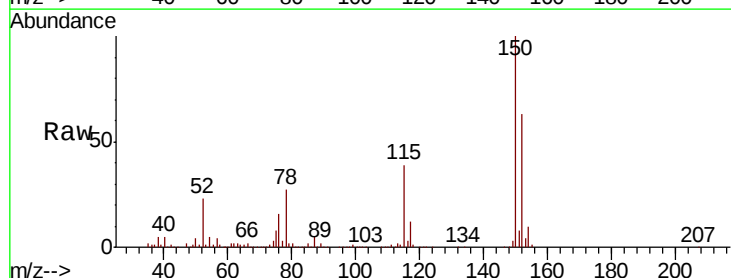


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

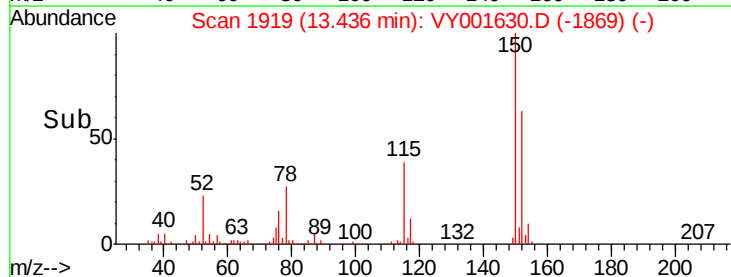
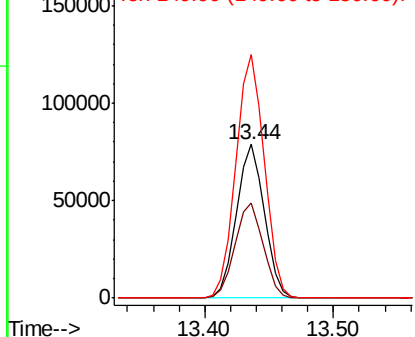


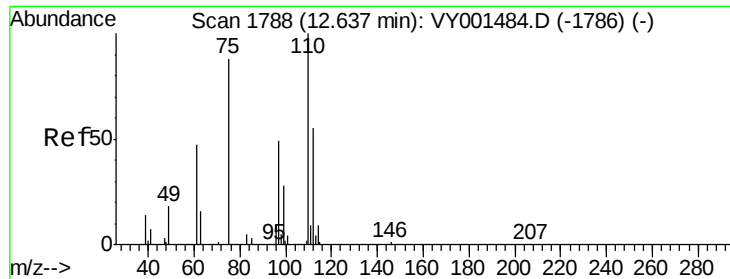
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001630.D
Acq: 13 Feb 2020 16:52

Tgt Ion:152 Resp: 118408
Ion Ratio Lower Upper
152 100
115 62.2 31.4 94.3
150 161.0 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

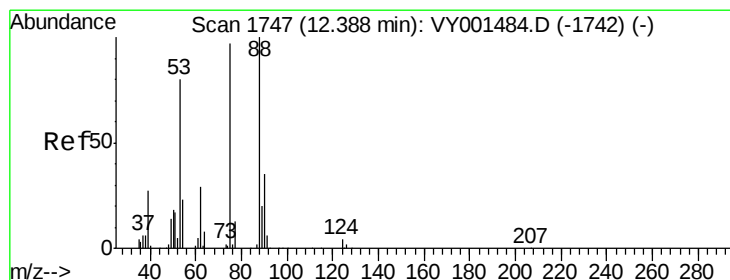
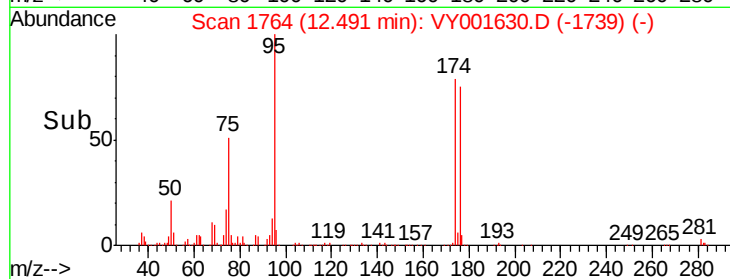
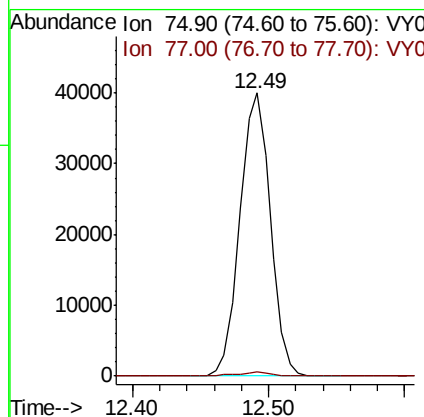
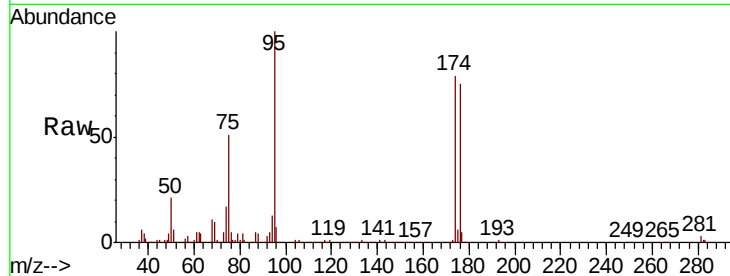




#76
 1,2,3-Trichloropropane
 Concen: 48.978 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001630.D
 Acq: 13 Feb 2020 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 62367
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.770 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001630.D
 Acq: 13 Feb 2020 16:52

Tgt Ion: 75 Resp: 62367
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 34.6 52.0#

