

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001441.D
 Acq On : 30 Jan 2020 19:20
 Operator : SY/MD
 Sample : L1318-12RE
 Misc : 6.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 03:25:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	45008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	80981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	70720	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	32693	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	25239	51.53	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.75	113	23145	48.70	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.20	98	96008	51.99	ug/l	0.01
Spiked Amount						
62) 4-Bromofluorobenzene	12.50	95	33968	46.19	ug/l	0.01
Spiked Amount						

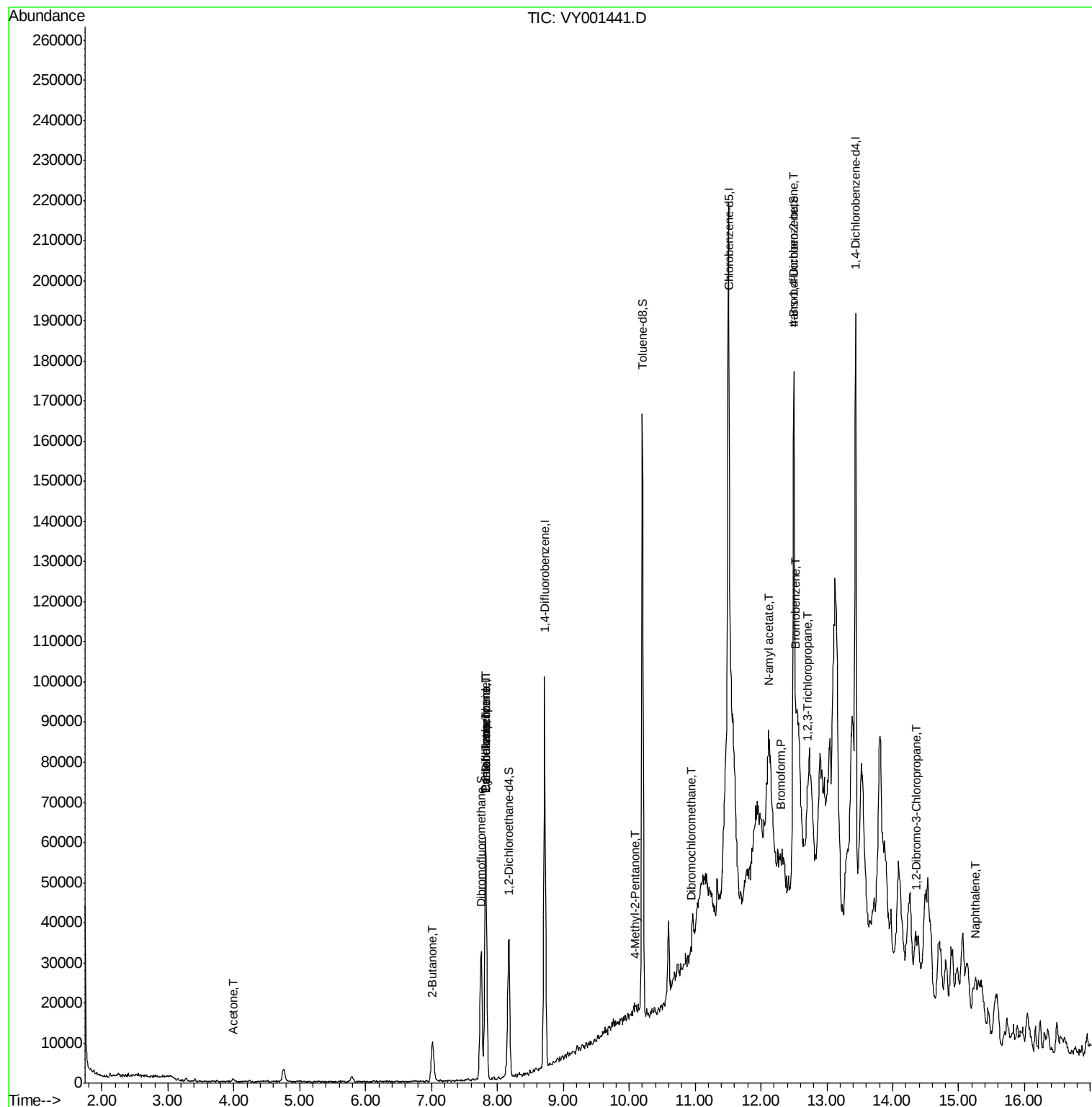
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	215	Below Cal	#	74
16) Acetone	3.99	43	1123	1.160	ug/l #	74
20) Methylene Chloride	4.76	84	2436	Below Cal	#	89
25) 2-Butanone	7.02	43	724	3.396	ug/l #	49
31) Cyclohexane	7.82	56	1012	1.069	ug/l #	11
36) 1,1-Dichloropropene	7.82	75	3834	5.011	ug/l #	51
38) Carbon Tetrachloride	7.82	117	4650	6.820	ug/l #	19
51) 4-Methyl-2-Pentanone	10.09	43	825	1.763	ug/l #	60
60) Dibromochloromethane	10.93	129	578	1.125	ug/l	59
71) Bromoform	12.30	173	447	1.472	ug/l #	76
74) N-amyl acetate	12.11	43	950	1.125	ug/l #	61
76) 1,2,3-Trichloropropane	12.70	75	579	1.470	ug/l #	100
77) Bromobenzene	12.53	156	27876	48.786	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	17401	83.588	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.36	75	421	4.416	ug/l #	1
95) Naphthalene	15.24	128	2625	1.685	ug/l #	79

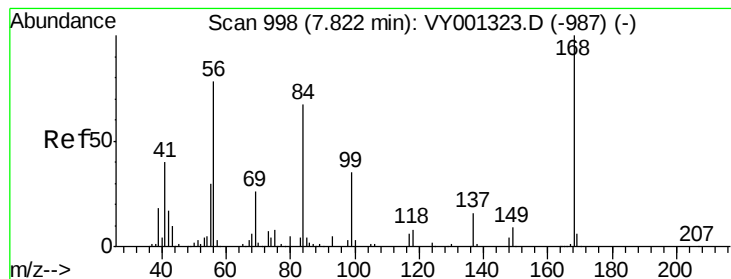
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA_Y

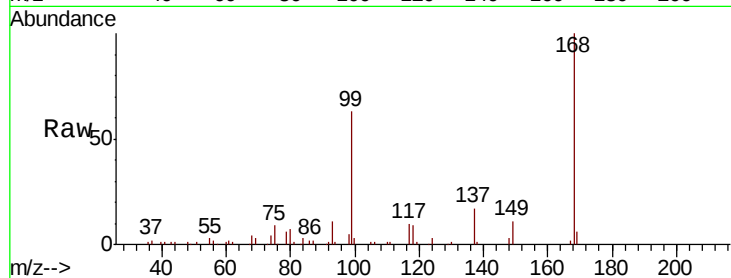
ClientSampleId :

Tot Ion:168 Resp: 45008

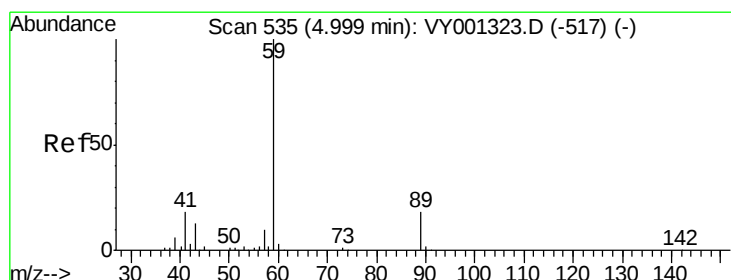
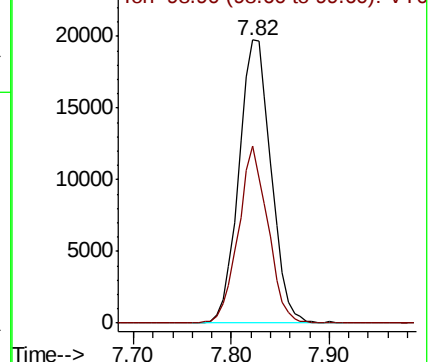
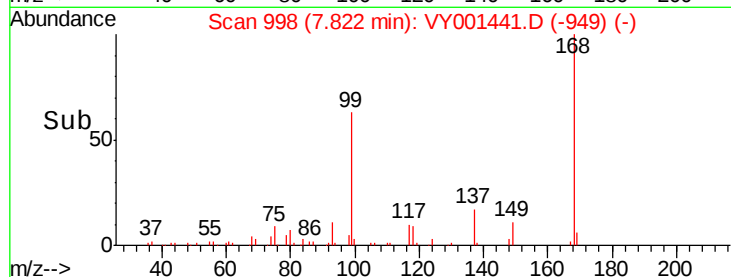
Ion Ratio Lower Upper

168 100

99 62.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001441.D

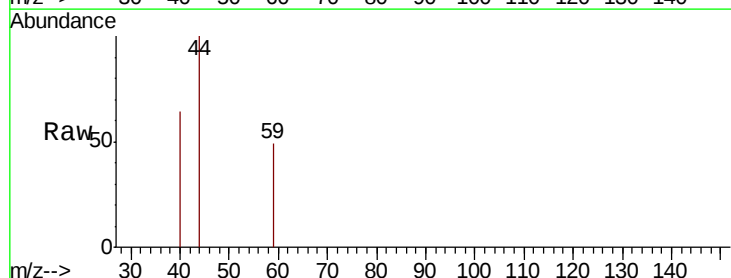
Acq: 30 Jan 2020 19:20

Tgt Ion: 59 Resp: 215

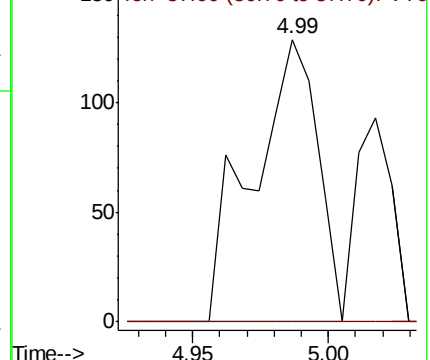
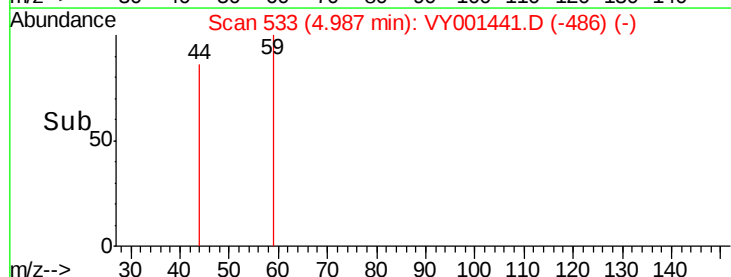
Ion Ratio Lower Upper

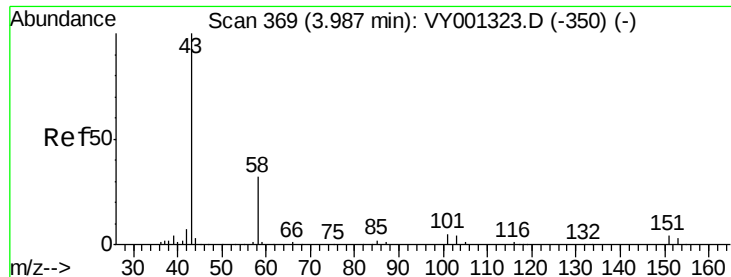
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001323.D (-517) (-)





#16

Acetone

Concen: 1.160 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA_Y

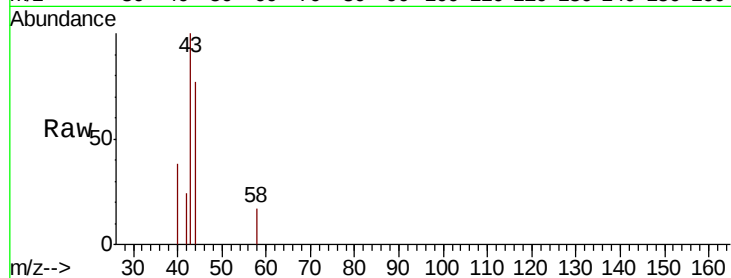
ClientSampleId :

Tot Ion: 43 Resp: 1123

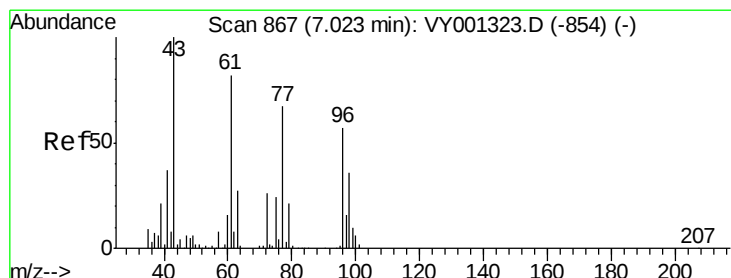
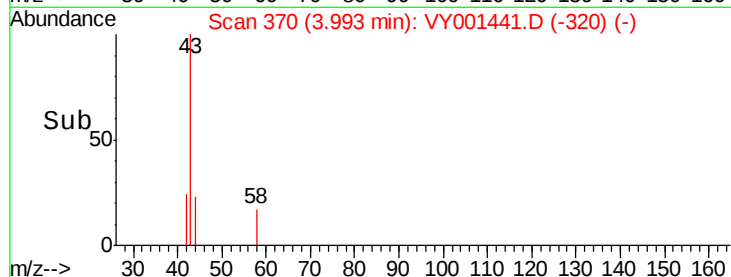
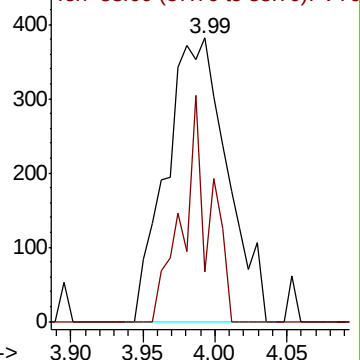
Ion Ratio Lower Upper

43 100

58 17.3 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001441.D (-370) (-)



#25

2-Butanone

Concen: 3.396 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001441.D

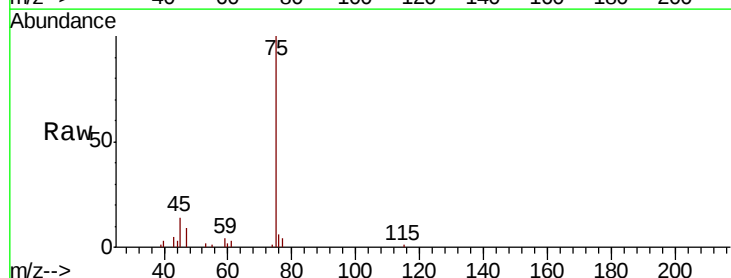
Acq: 30 Jan 2020 19:20

Tgt Ion: 43 Resp: 724

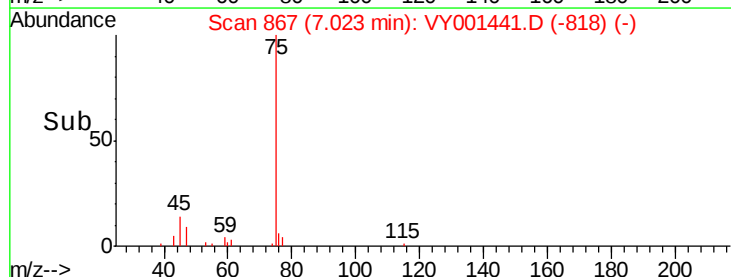
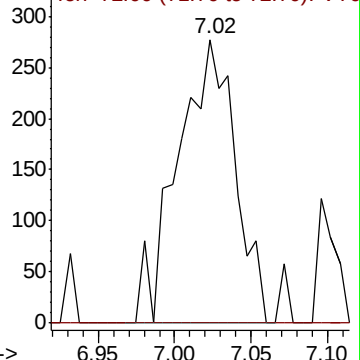
Ion Ratio Lower Upper

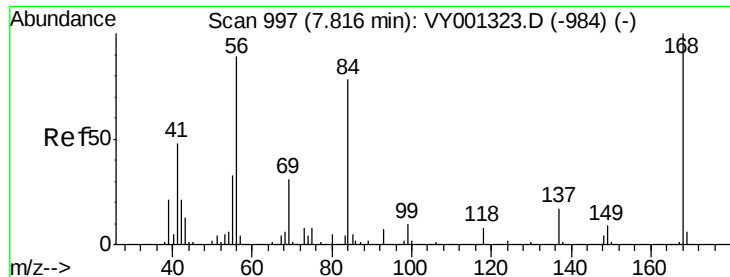
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001441.D (-818) (-)

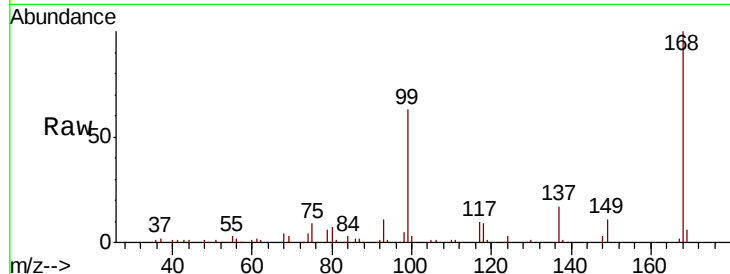




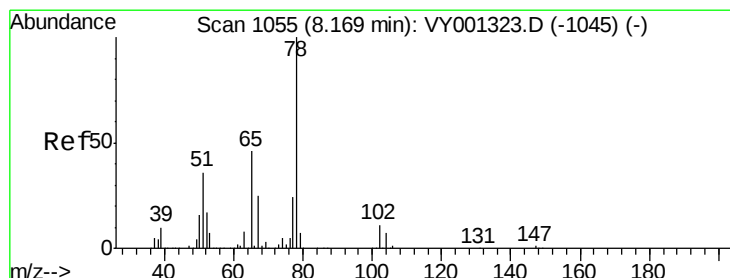
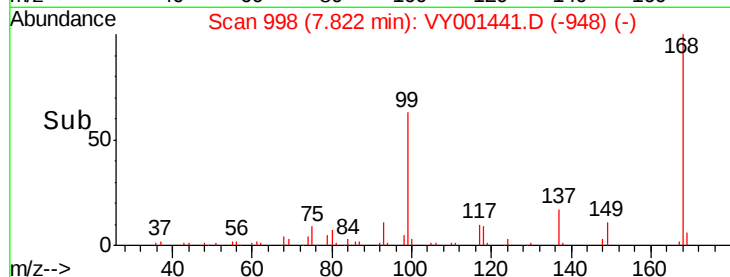
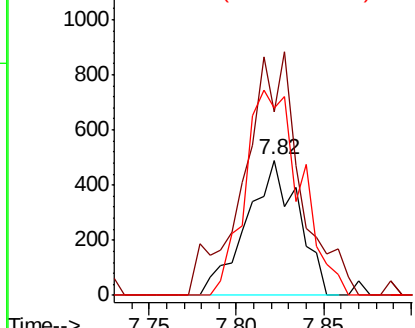
#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 1012
Ion Ratio Lower Upper
56 100
69 135.6 27.6 41.4#
84 138.3 69.7 104.5#

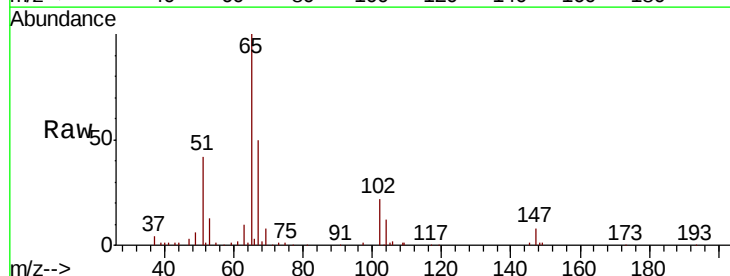


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

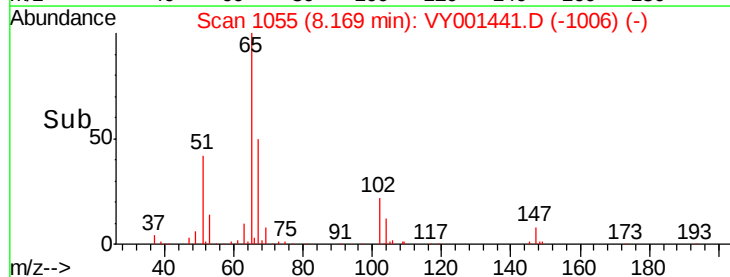
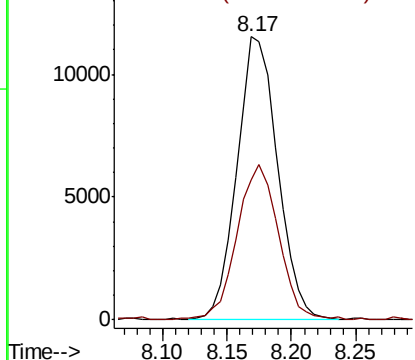


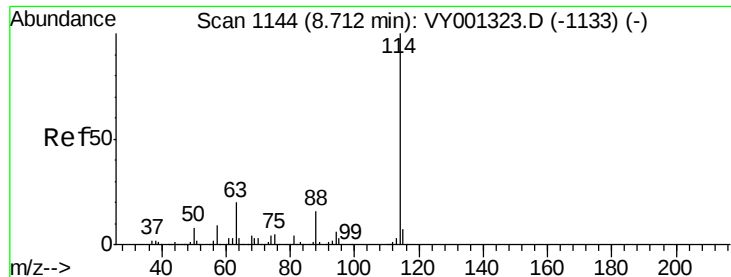
#33
1,2-Dichloroethane-d4
Concen: 51.534 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

Tgt Ion: 65 Resp: 25239
Ion Ratio Lower Upper
65 100
67 56.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

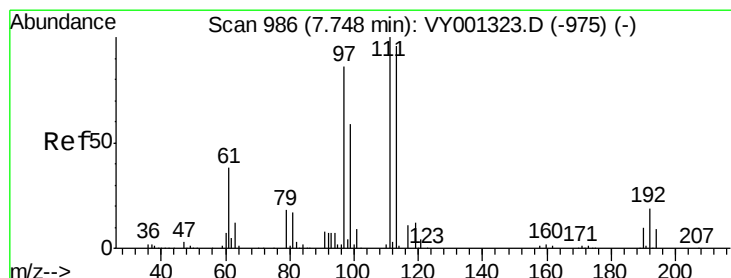
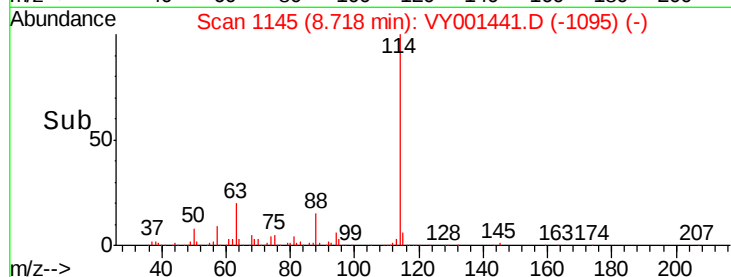
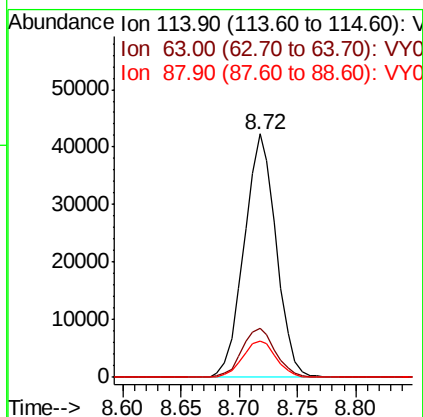
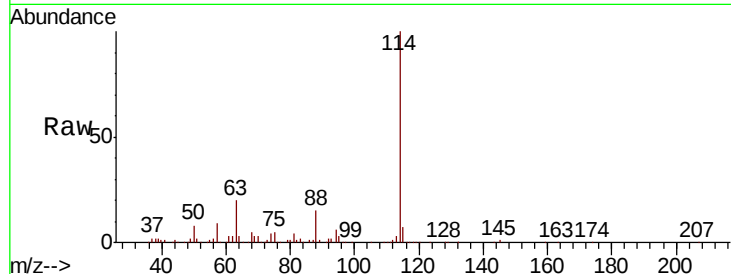




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

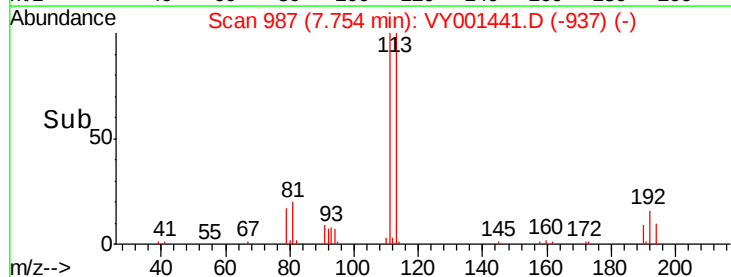
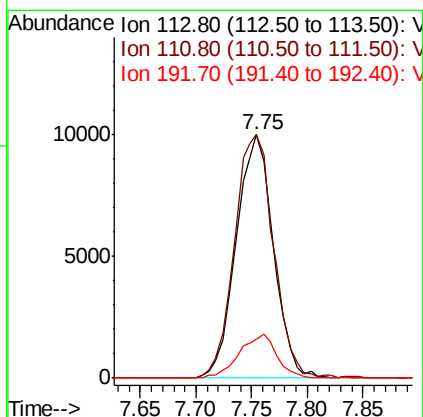
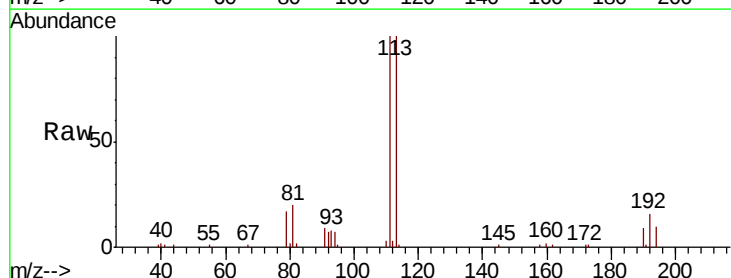
Instrument :
 MSVOA_Y
 ClientSampled :

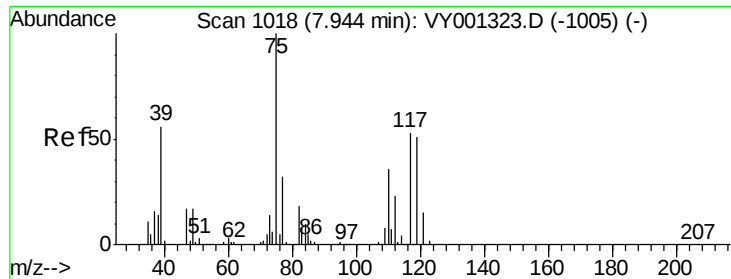
Tot Ion:114 Resp: 80981
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.0 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 48.697 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

Tgt Ion:113 Resp: 23145
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.8 124.2
 192 18.1 15.5 23.3

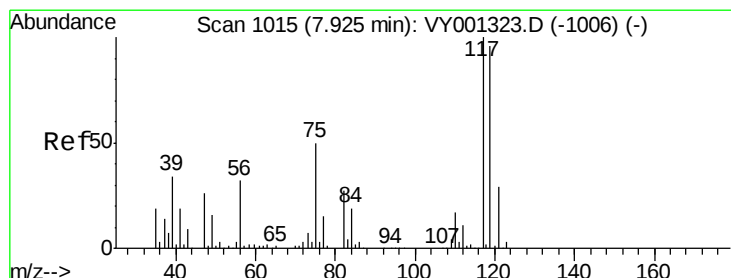
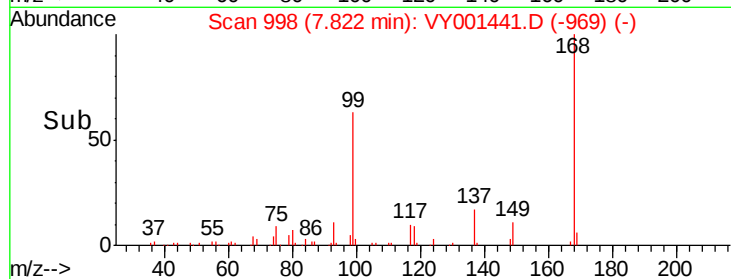
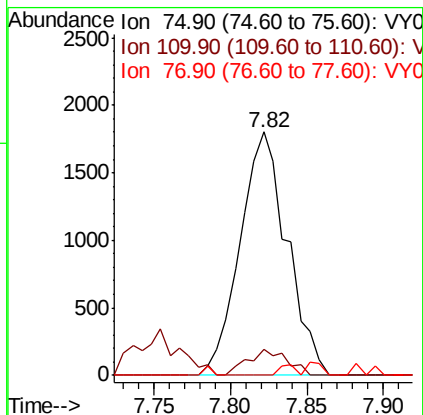
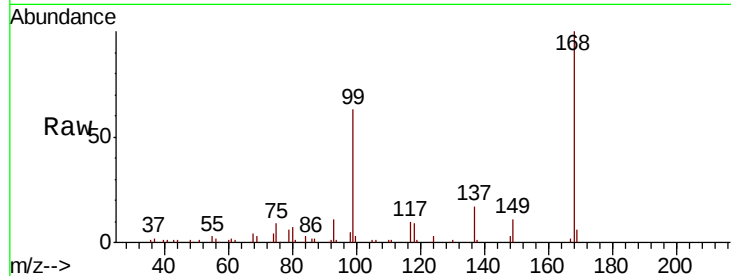




#36
 1,1-Dichloropropene
 Concen: 5.011 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

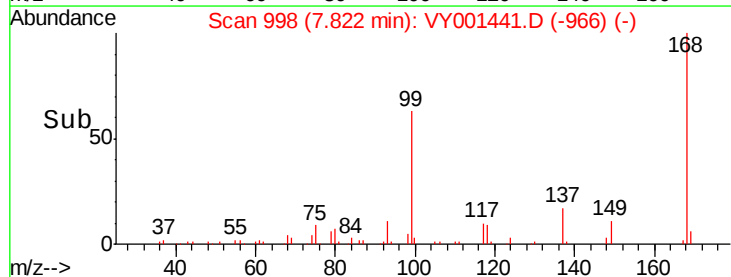
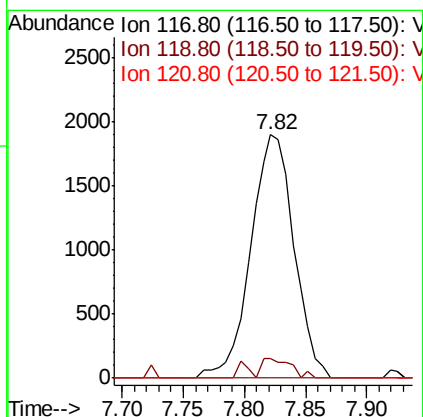
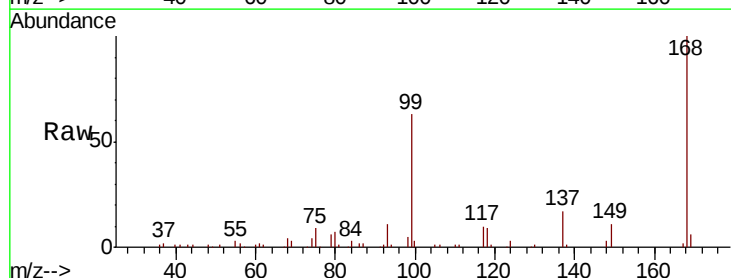
Instrument :
 MSVOA_Y
 ClientSampleId :

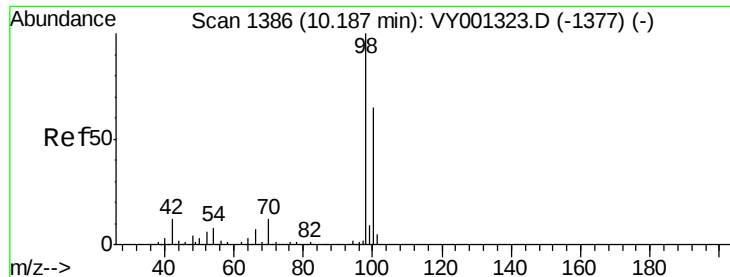
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.6	52.8#
77	1.4	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.820 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.2	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 51.992 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA_Y

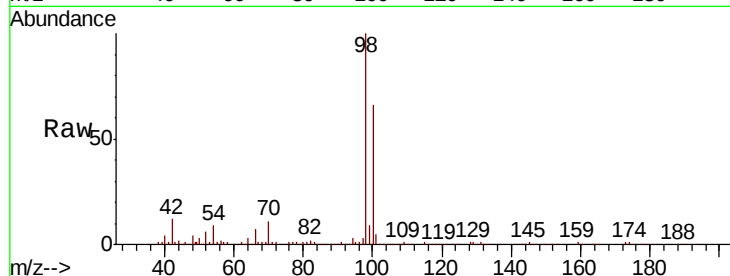
ClientSampleId :

Tot Ion: 98 Resp: 96008

Ion Ratio Lower Upper

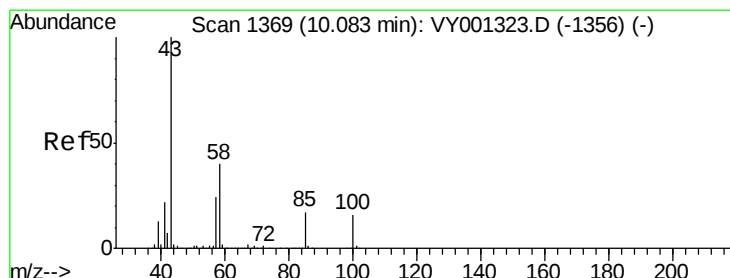
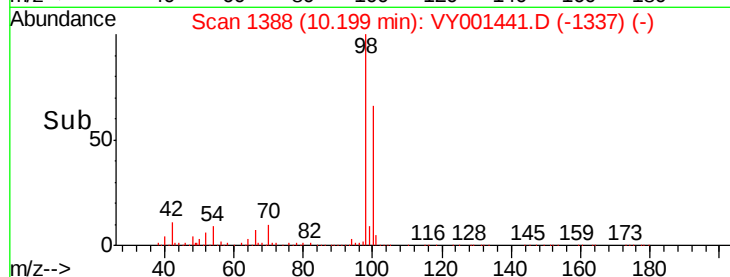
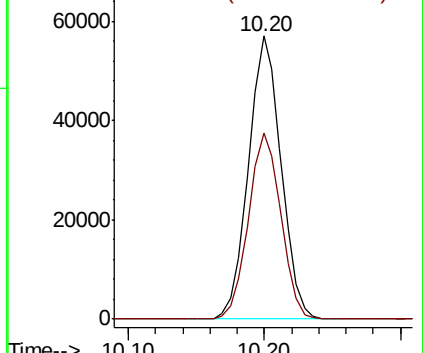
98 100

100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.763 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001441.D

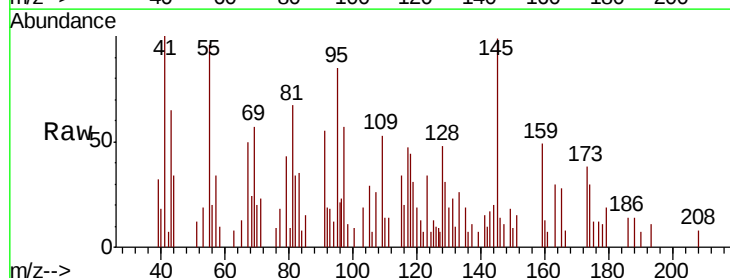
Acq: 30 Jan 2020 19:20

Tgt Ion: 43 Resp: 825

Ion Ratio Lower Upper

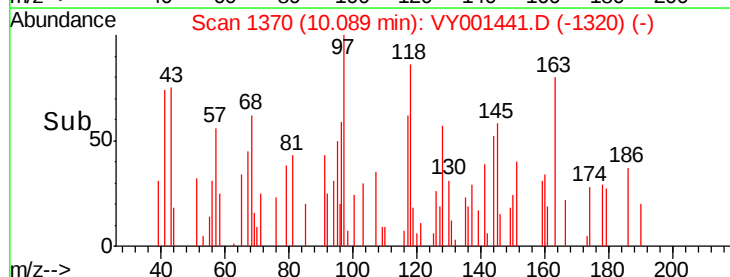
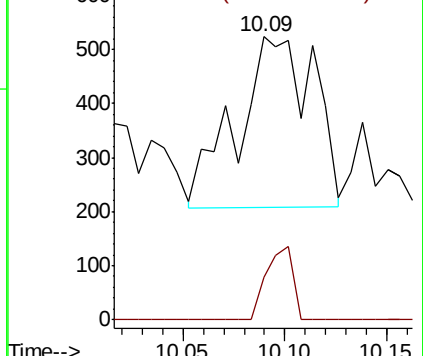
43 100

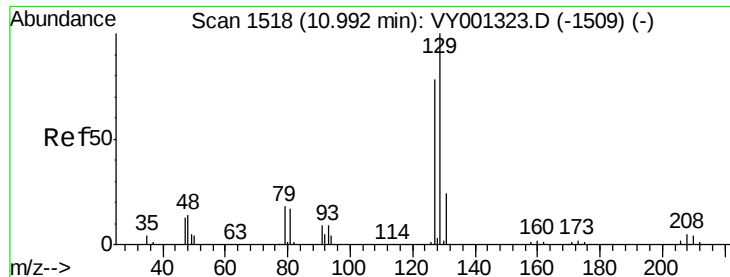
58 14.7 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

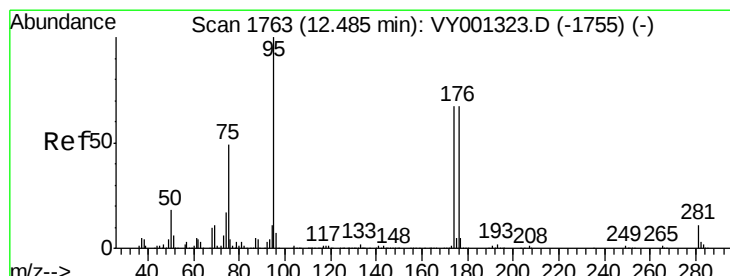
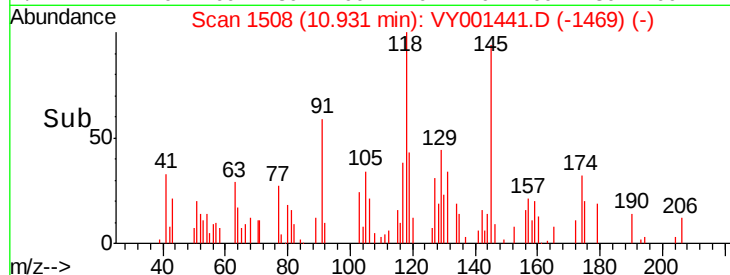
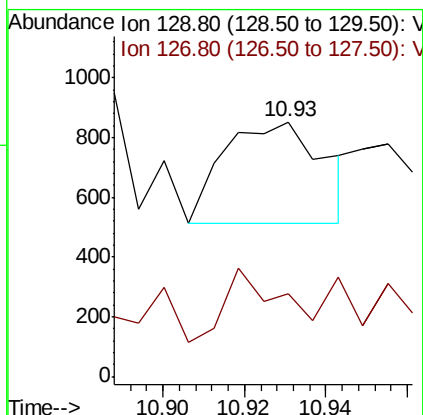
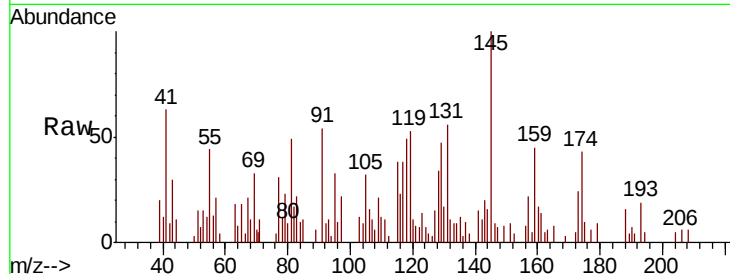




#60
Dibromochloromethane
Concen: 1.125 ug/l
RT: 10.93 min Scan# 1508
Delta R.T. -0.06 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

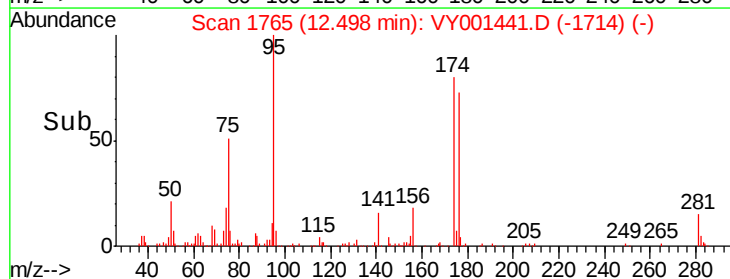
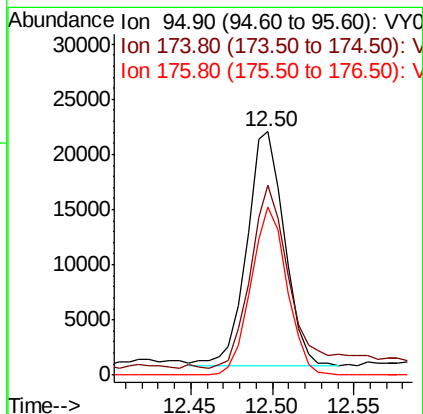
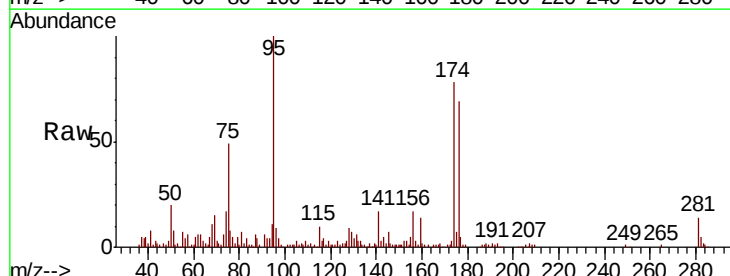
Instrument :
MSVOA_Y
ClientSampleId :

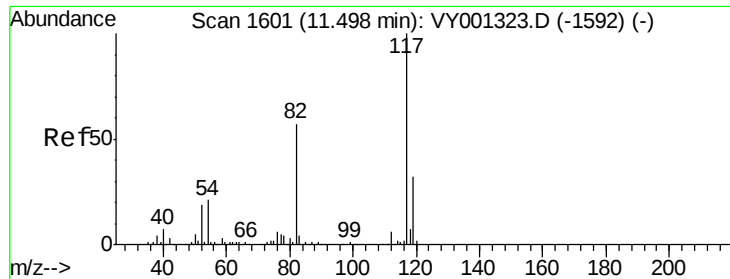
Tot Ion:129 Resp: 578
Ion Ratio Lower Upper
129 100
127 42.4 38.8 116.4



#62
4-Bromofluorobenzene
Concen: 46.192 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

Tgt Ion: 95 Resp: 33968
Ion Ratio Lower Upper
95 100
174 94.6 0.0 142.0
176 68.8 0.0 138.6

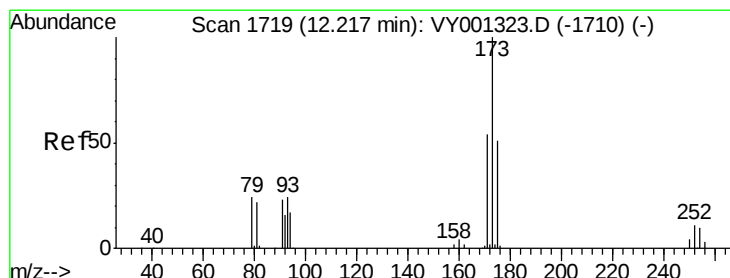
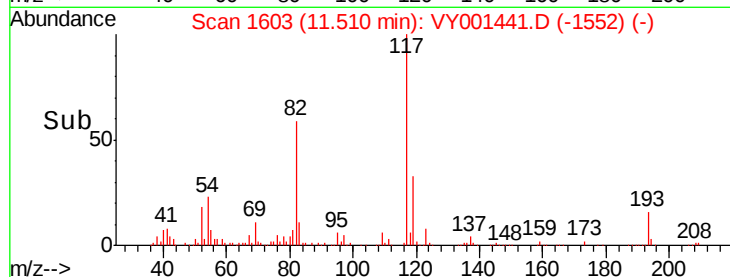
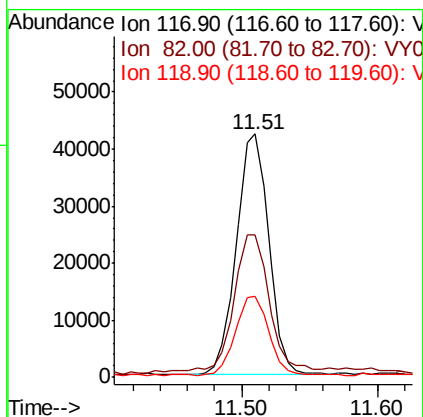
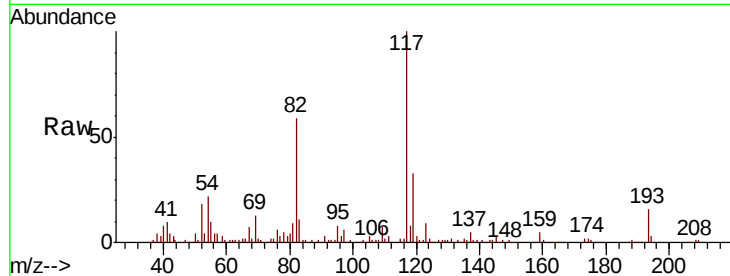




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

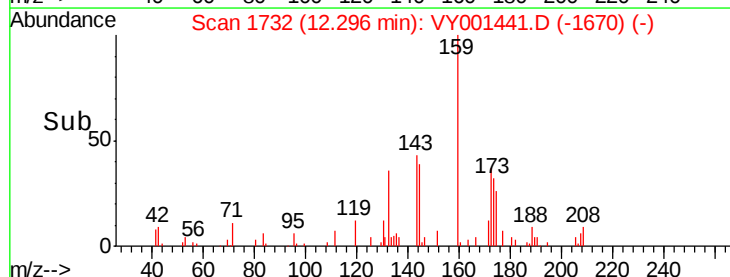
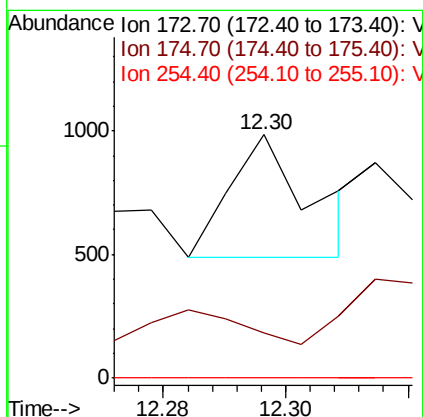
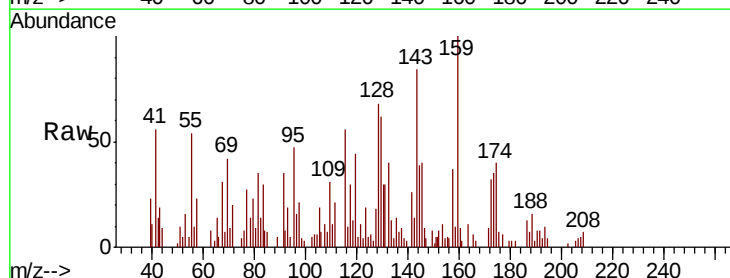
Instrument :
MSVOA_Y
ClientSampleId :

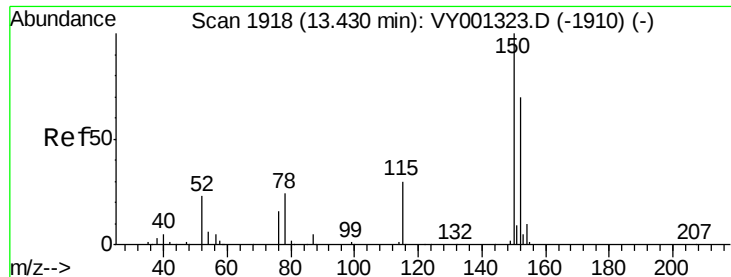
Tot Ion:117 Resp: 70720
Ion Ratio Lower Upper
117 100
82 56.1 45.5 68.3
119 32.5 25.8 38.6



#71
Bromoform
Concen: 1.472 ug/l
RT: 12.30 min Scan# 1732
Delta R.T. 0.08 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

Tgt Ion:173 Resp: 447
Ion Ratio Lower Upper
173 100
175 32.2 24.3 72.9
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

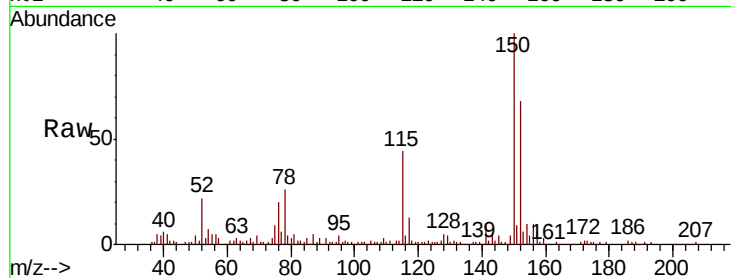
Tot Ion:152 Resp: 32693

Ion Ratio Lower Upper

152 100

115 67.8 30.9 92.8

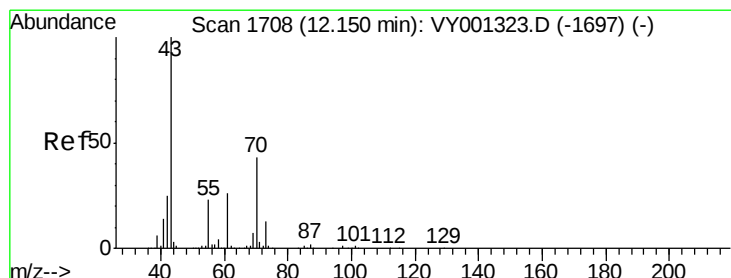
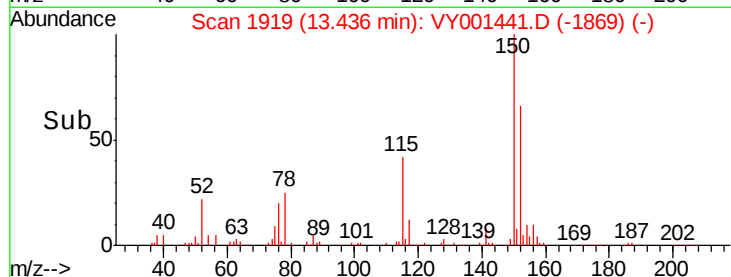
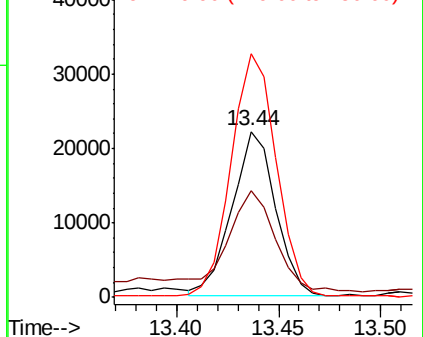
150 152.7 0.0 349.2



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



#74

N-ethyl acetate

Concen: 1.125 ug/l

RT: 12.11 min Scan# 1702

Delta R.T. -0.04 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Tgt Ion: 43 Resp: 950

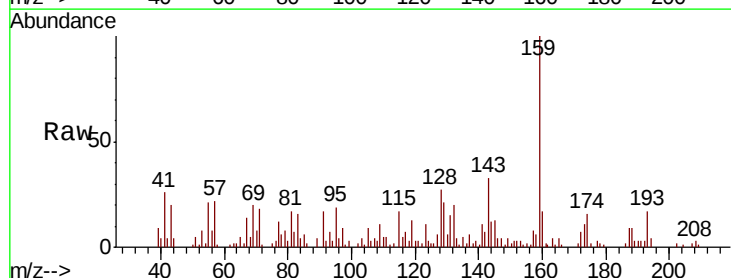
Ion Ratio Lower Upper

43 100

70 42.4 33.5 50.3

55 70.0 18.2 27.2#

61 0.0 19.6 29.4#

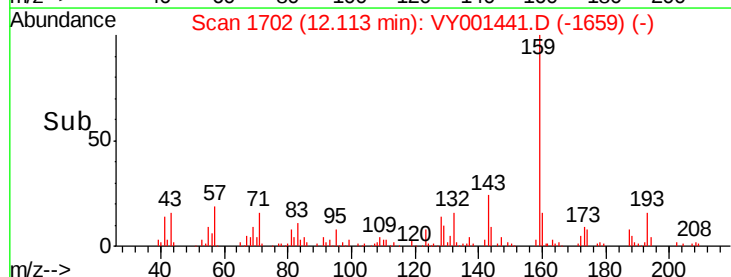
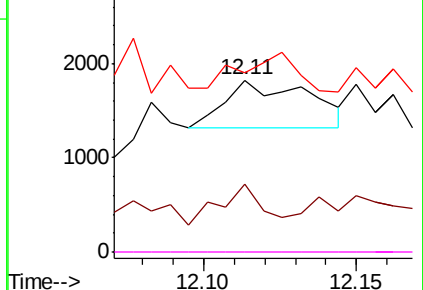


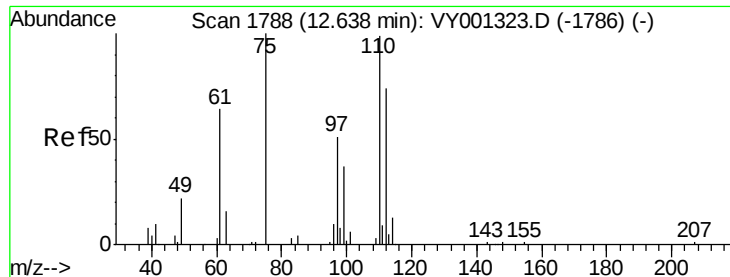
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

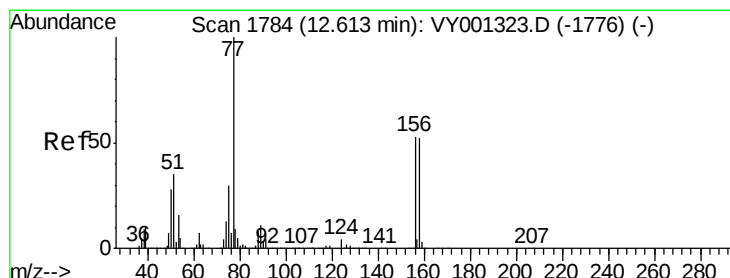
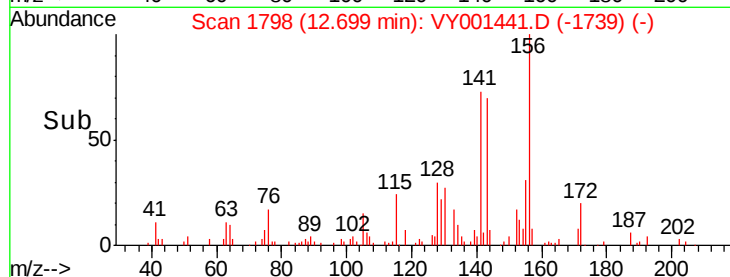
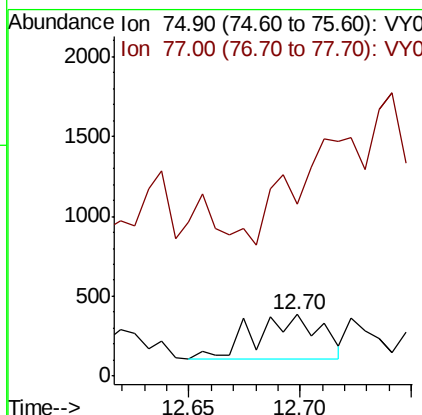
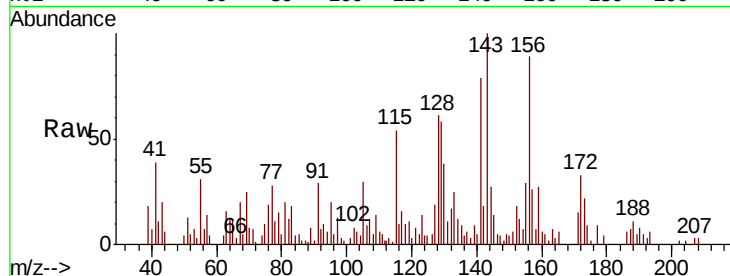




#76
 1,2,3-Trichloropropane
 Concen: 1.470 ug/l
 RT: 12.70 min Scan# 1798
 Delta R.T. 0.06 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

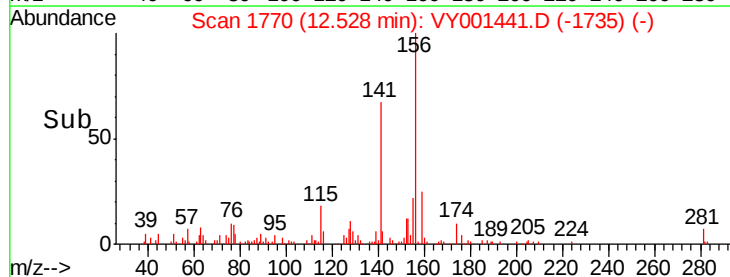
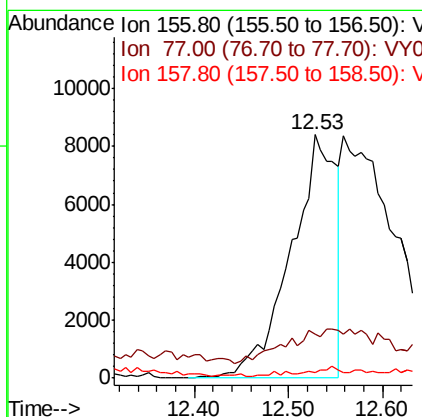
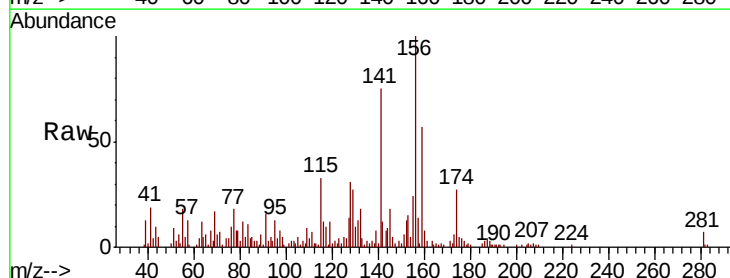
Instrument :
 MSVOA_Y
 ClientSampleId :

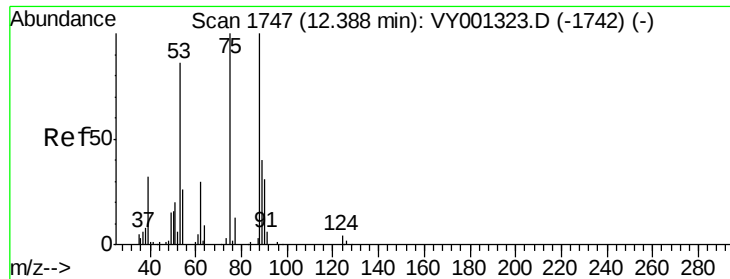
Tot Ion: 75 Resp: 579
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 48.786 ug/l
 RT: 12.53 min Scan# 1770
 Delta R.T. -0.09 min
 Lab File: VY001441.D
 Acq: 30 Jan 2020 19:20

Tgt Ion: 156 Resp: 27876
 Ion Ratio Lower Upper
 156 100
 77 17.1 104.7 313.9#
 158 1.4 48.6 145.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.588 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

Instrument :

MSVOA_Y

ClientSampleId :

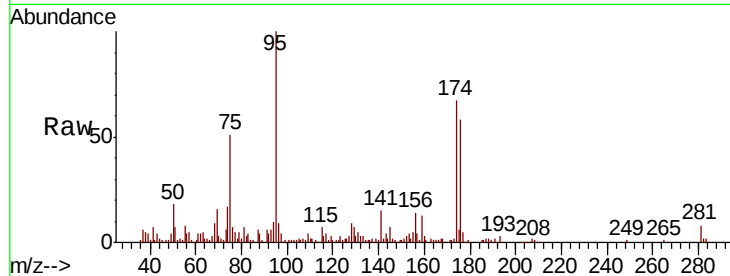
Tot Ion: 75 Resp: 17401

Ion Ratio Lower Upper

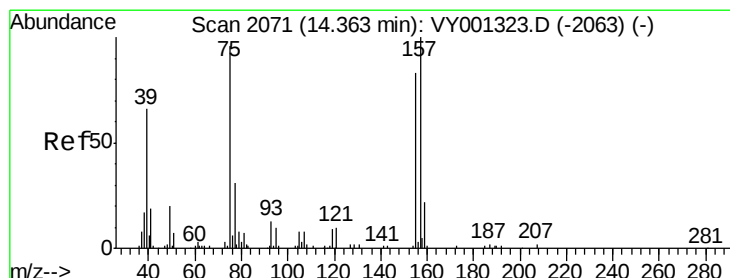
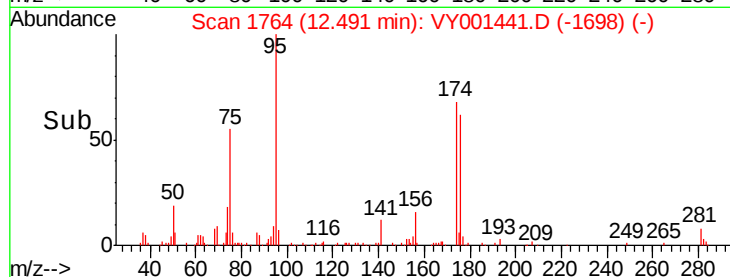
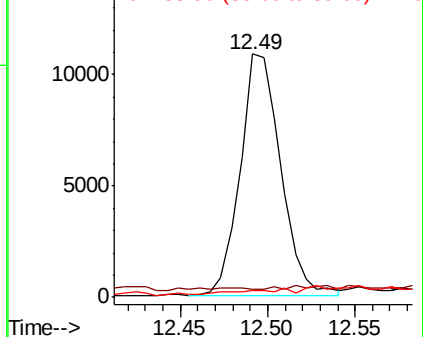
75 100

53 0.5 69.9 104.9#

89 0.0 36.6 54.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.416 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY001441.D

Acq: 30 Jan 2020 19:20

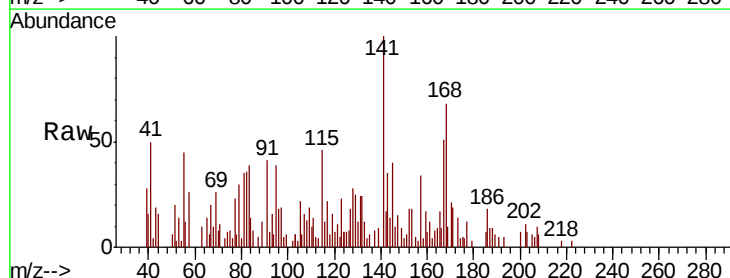
Tgt Ion: 75 Resp: 421

Ion Ratio Lower Upper

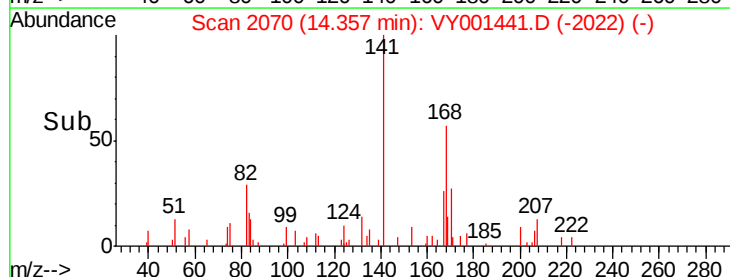
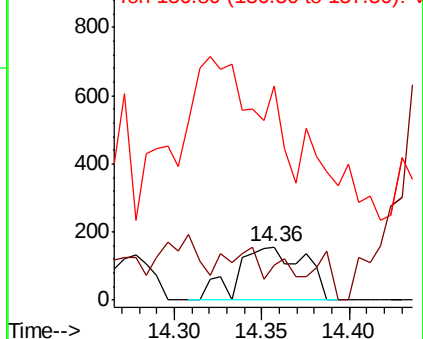
75 100

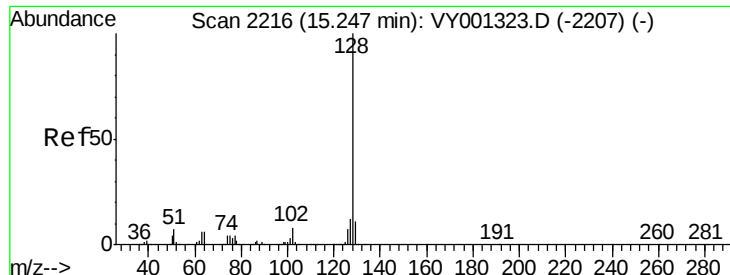
155 0.0 43.0 129.2#

157 0.0 53.3 160.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.685 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001441.D
Acq: 30 Jan 2020 19:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	7.8	8.7	13.1#

