

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001383.D
 Acq On : 24 Jan 2020 15:34
 Operator : SY/MD
 Sample : L1242-02
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 03:50:37 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

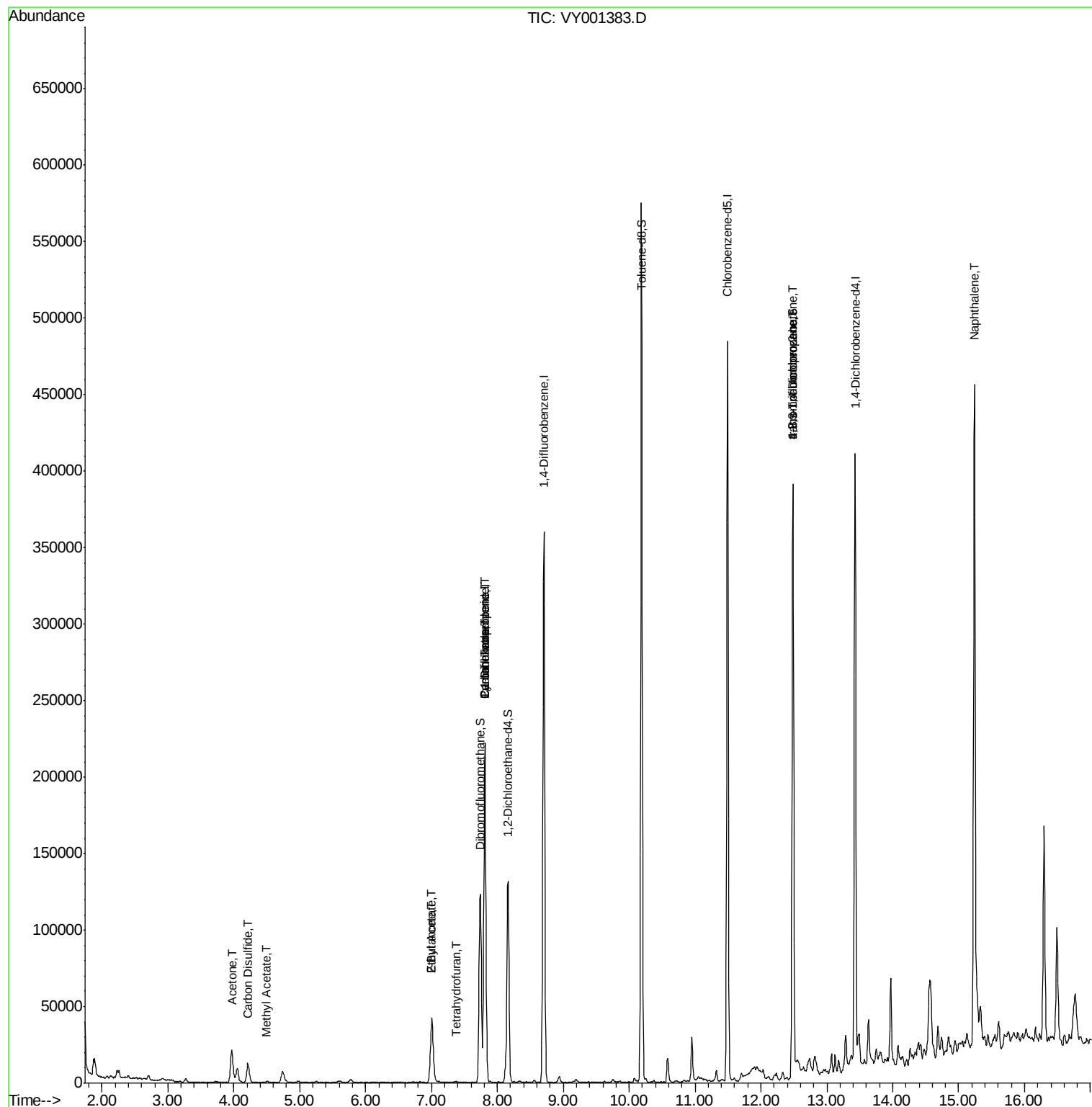
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	169543	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	305870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	268136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101062	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	94345	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.74	113	89140	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.19	98	360461	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.49	95	118201	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.98	59	1303	Below Cal	#	79
13) Acrolein	3.76	56	589	Below Cal		96
16) Acetone	3.97	43	37505	71.768	ug/l	96
17) Carbon Disulfide	4.21	76	24513	4.330	ug/l	98
18) Methyl Acetate	4.50	43	1682	1.081	ug/l #	81
20) Methylene Chloride	4.74	84	5568	Below Cal	#	83
25) 2-Butanone	7.01	43	16393	20.415	ug/l	96
29) Tetrahydrofuran	7.37	42	655	1.254	ug/l #	46
31) Cyclohexane	7.81	56	4323	1.212	ug/l #	10
36) 1,1-Dichloropropene	7.81	75	14123	4.887	ug/l #	49
37) Ethyl Acetate	7.01	43	16393	9.285	ug/l #	82
38) Carbon Tetrachloride	7.81	117	16905	6.564	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	60190	49.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60190	93.532	ug/l #	14
95) Naphthalene	15.24	128	329492	68.436	ug/l	99

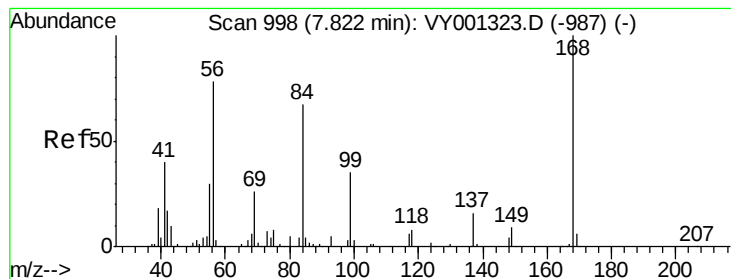
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

Instrument :

MSVOA_Y

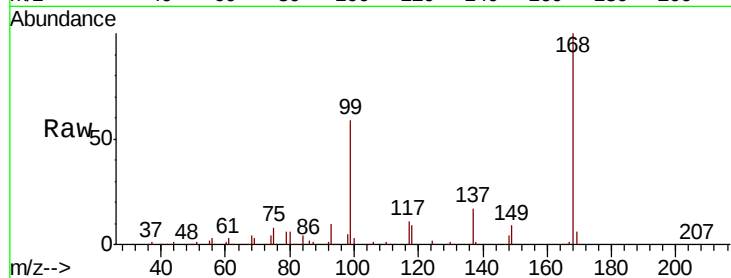
ClientSampleId :

Tot Ion:168 Resp: 169543

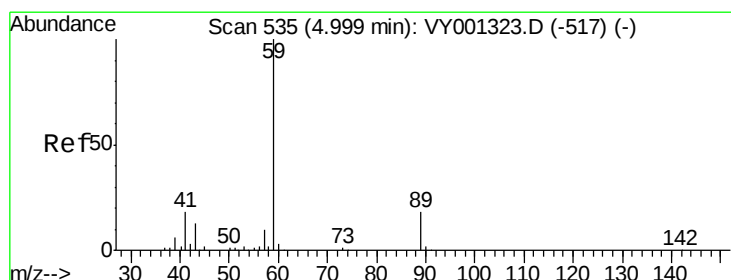
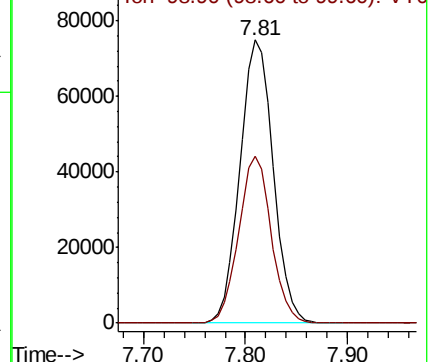
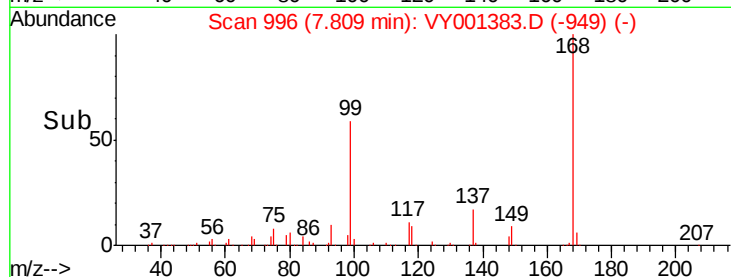
Ion Ratio Lower Upper

168 100

99 59.0 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001383.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.02 min

Lab File: VY001383.D

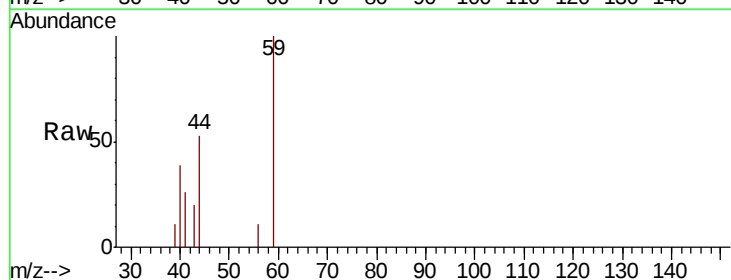
Acq: 24 Jan 2020 15:34

Tgt Ion: 59 Resp: 1303

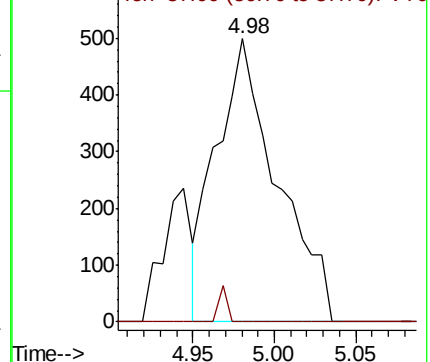
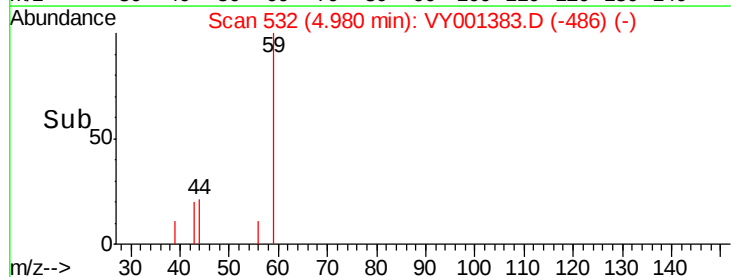
Ion Ratio Lower Upper

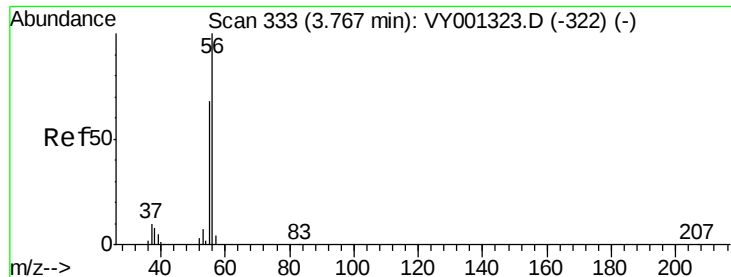
59 100

57 1.8 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001383.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

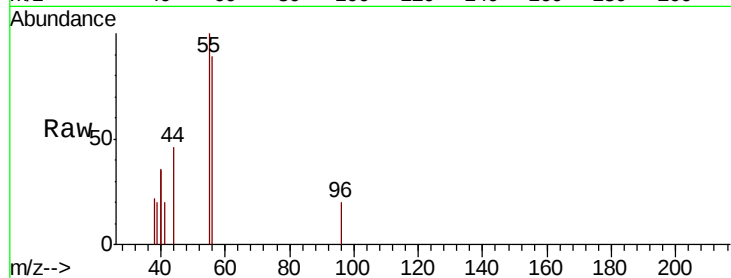
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 589

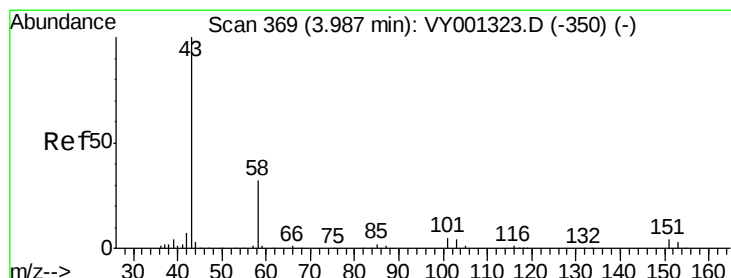
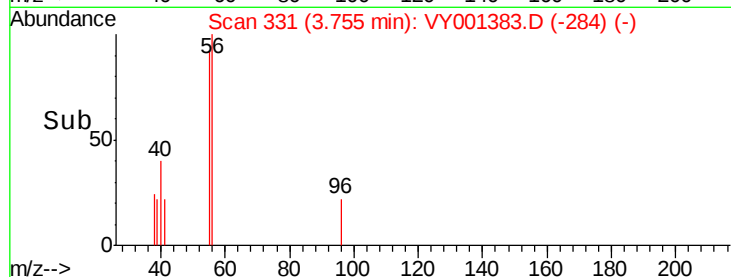
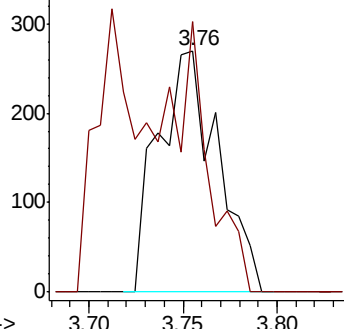
Ion Ratio Lower Upper

56 100

55 66.9 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 71.768 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.02 min

Lab File: VY001383.D

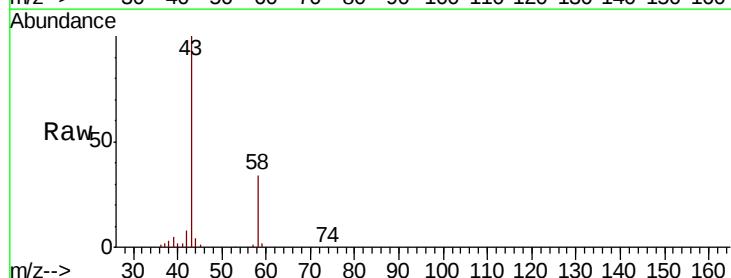
Acq: 24 Jan 2020 15:34

Tgt Ion: 43 Resp: 37505

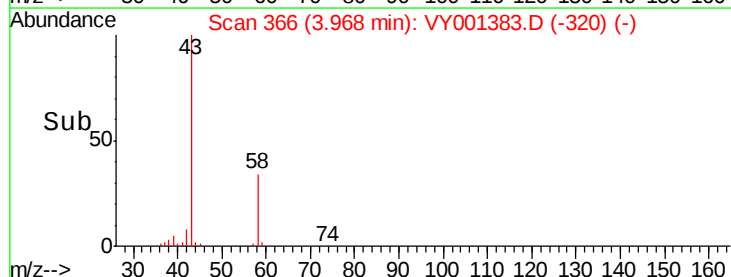
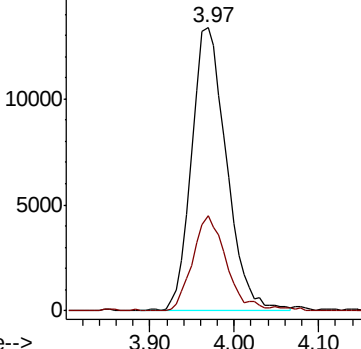
Ion Ratio Lower Upper

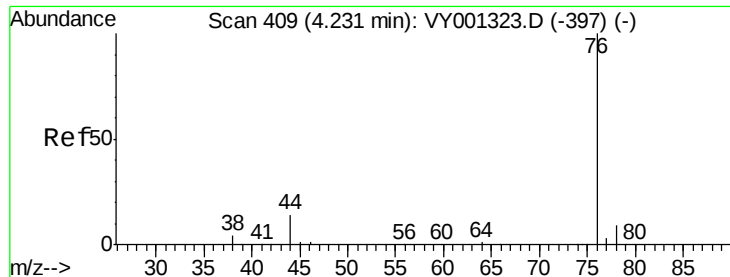
43 100

58 33.7 25.4 38.0



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

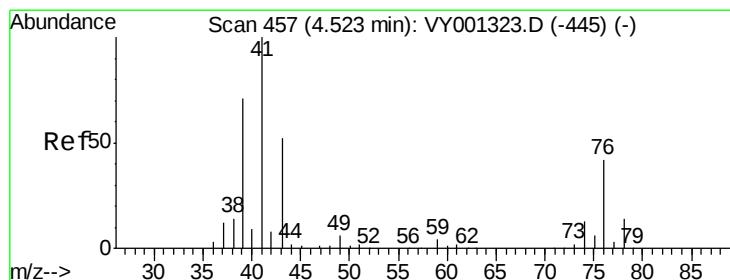
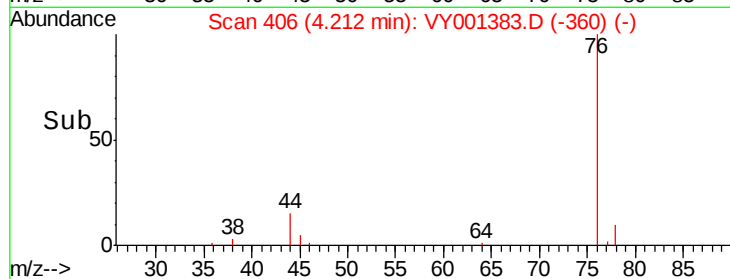
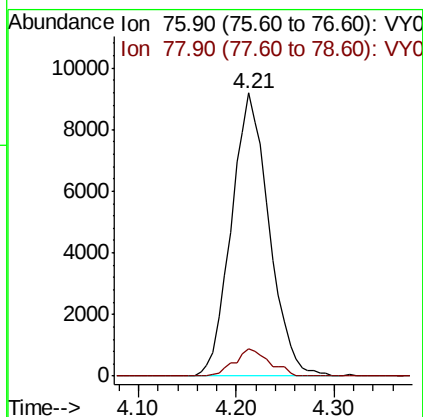
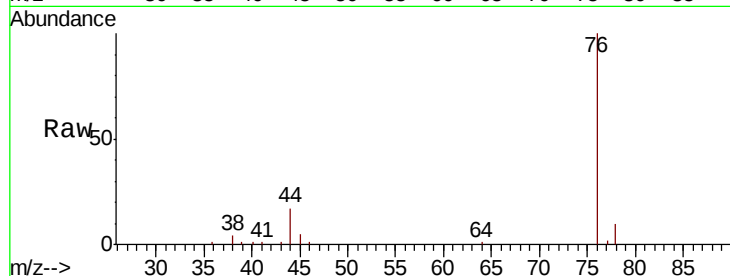




#17
Carbon Disulfide
Concen: 4.330 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.02 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

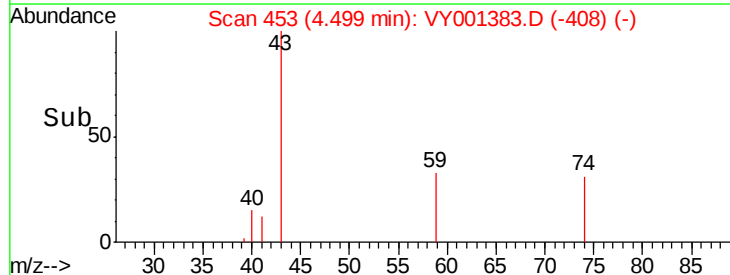
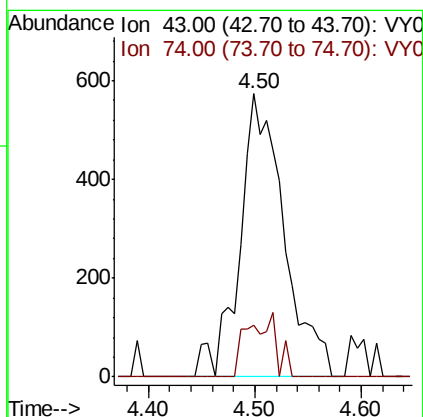
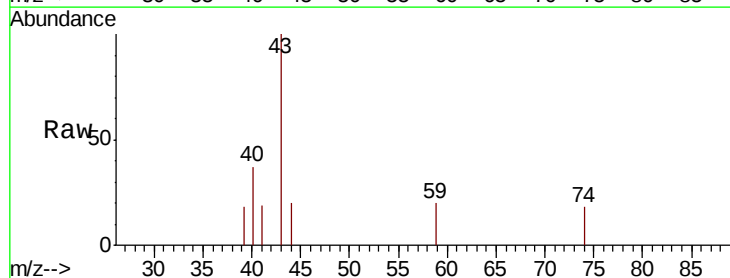
Instrument :
MSVOA_Y
ClientSampleId :

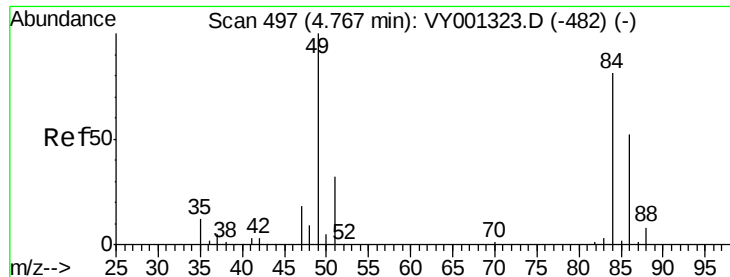
Tot Ion: 76 Resp: 24513
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 1.081 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.02 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Tgt Ion: 43 Resp: 1682
Ion Ratio Lower Upper
43 100
74 14.8 19.4 29.2#

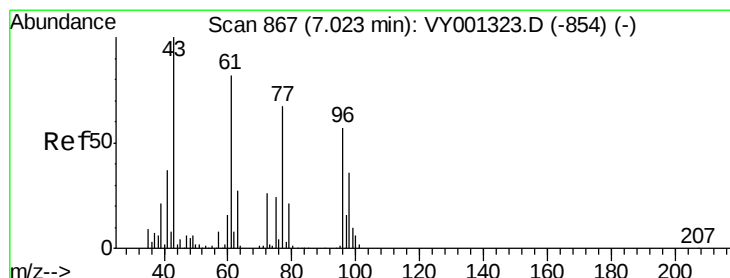
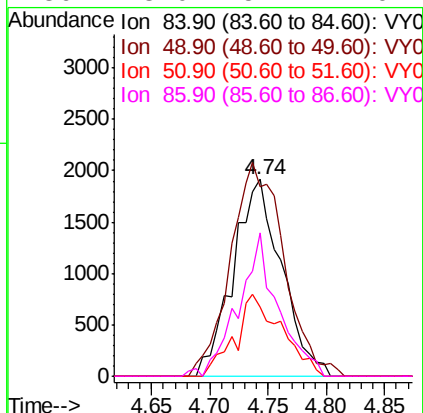
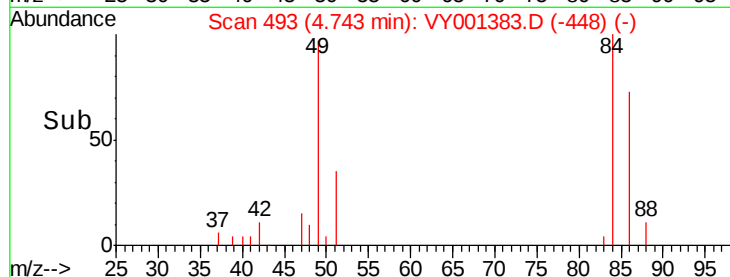
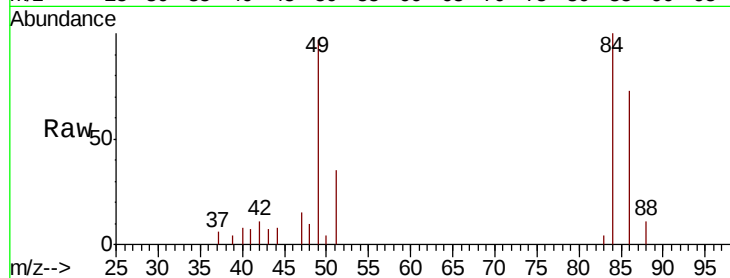




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. -0.02 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

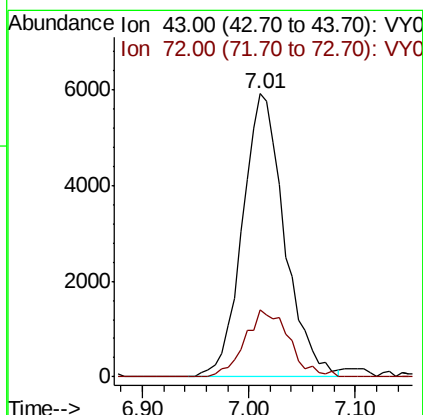
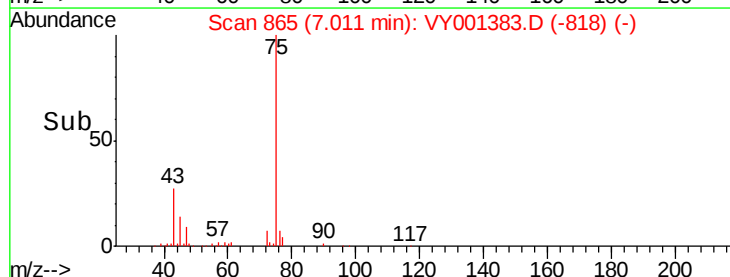
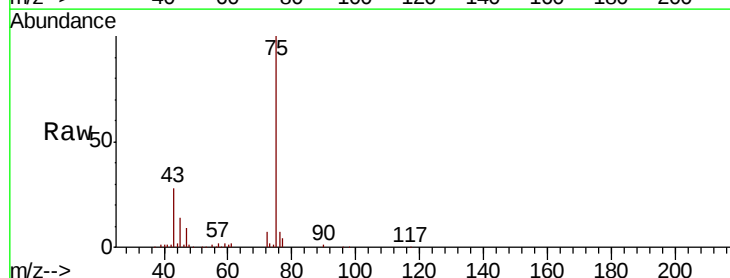
Instrument :
MSVOA_Y
ClientSampleId :

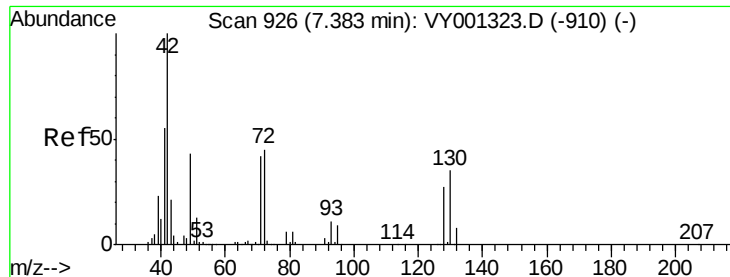
Tot Ion: 84 Resp: 5568
Ion Ratio Lower Upper
84 100
49 96.5 98.3 147.5#
51 34.9 31.6 47.4
86 73.0 51.1 76.7



#25
2-Butanone
Concen: 20.415 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Tgt Ion: 43 Resp: 16393
Ion Ratio Lower Upper
43 100
72 23.7 20.6 31.0

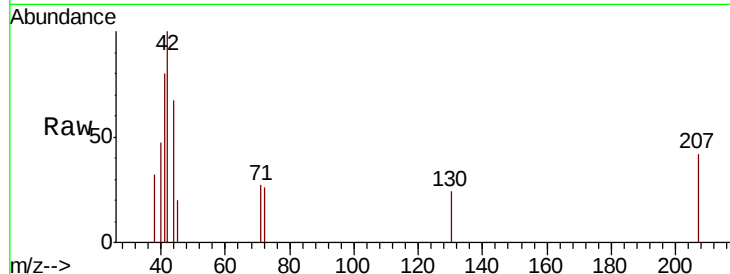




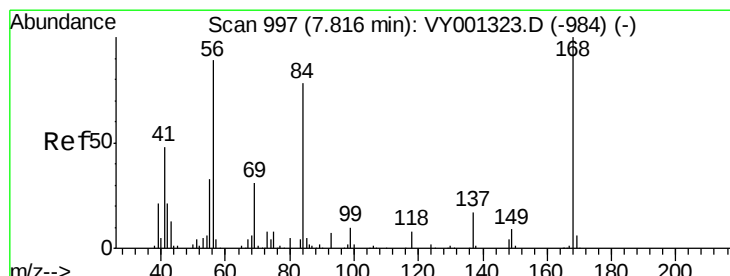
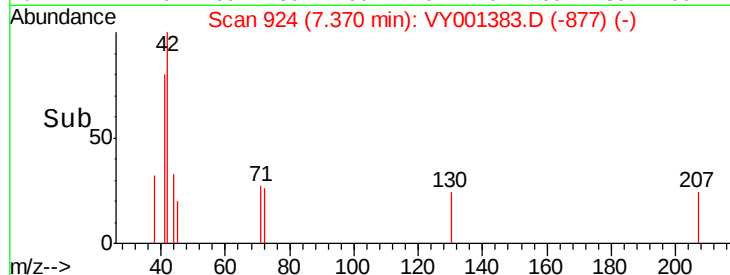
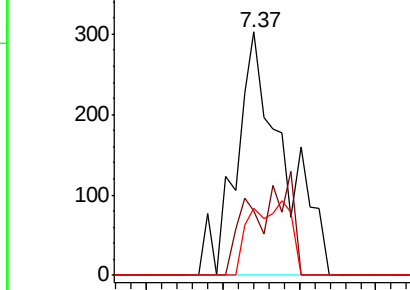
#29
Tetrahydrofuran
Concen: 1.254 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 655
Ion Ratio Lower Upper
42 100
72 15.9 34.6 51.8#
71 0.0 32.6 48.8#

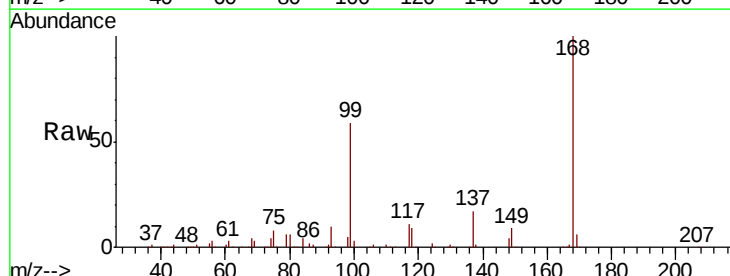


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

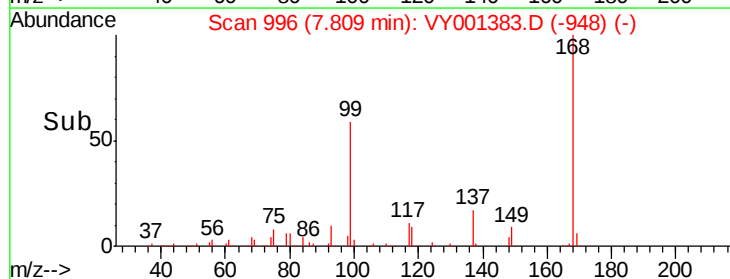
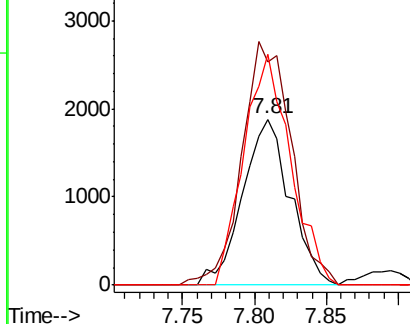


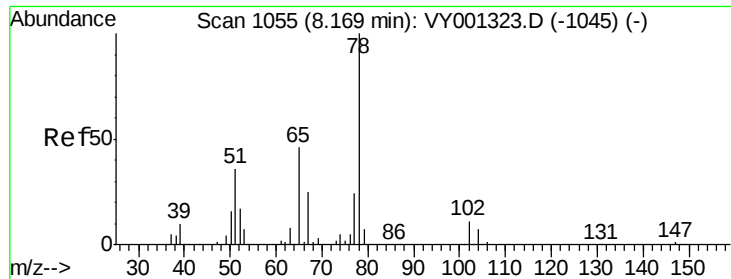
#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Tgt Ion: 56 Resp: 4323
Ion Ratio Lower Upper
56 100
69 134.3 27.6 41.4#
84 139.3 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

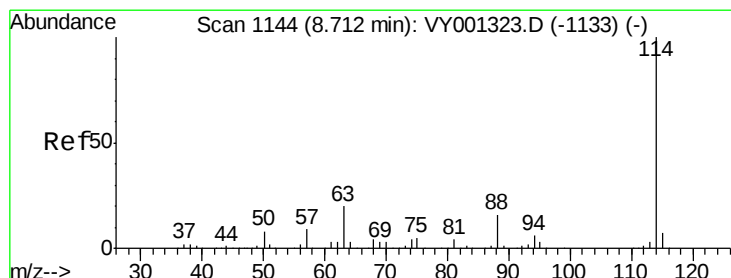
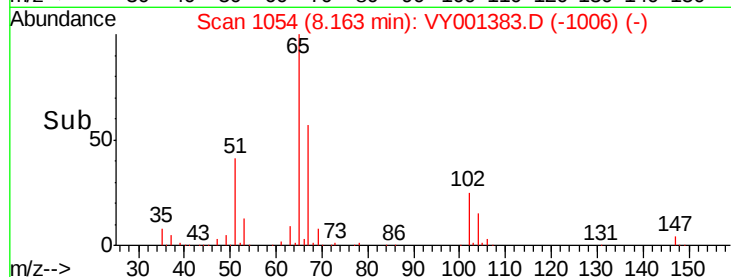
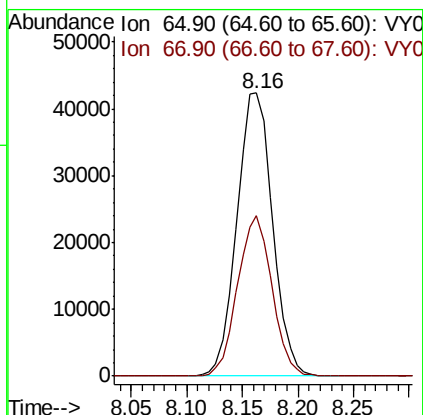
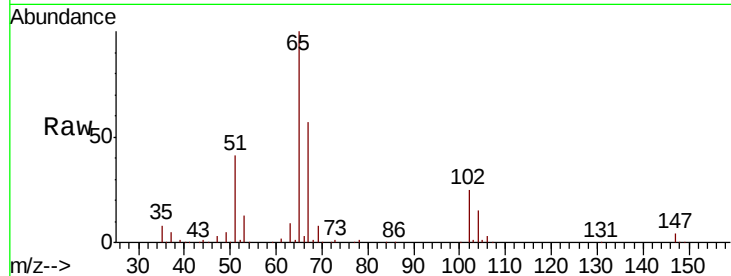




#33
 1,2-Dichloroethane-d4
 Concen: 51.139 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001383.D
 Acq: 24 Jan 2020 15:34

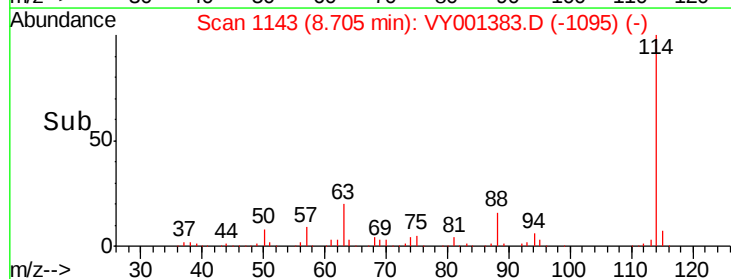
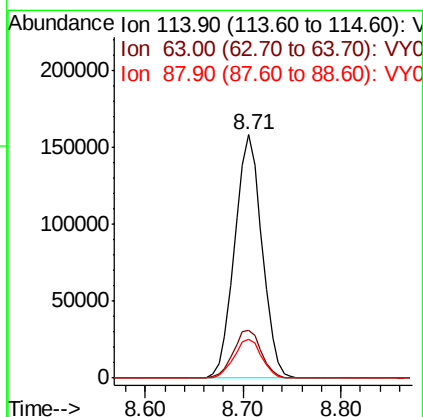
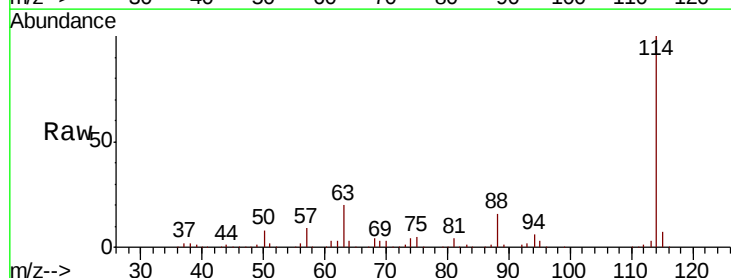
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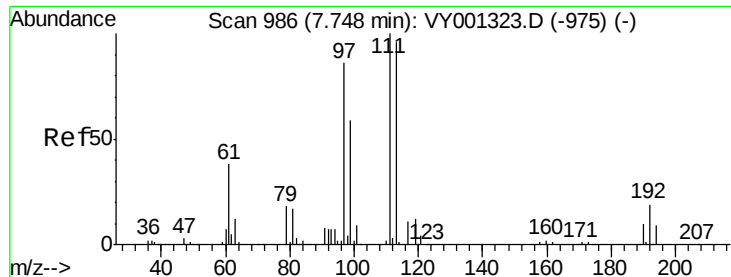
Tot Ion: 65 Resp: 94345
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001383.D
 Acq: 24 Jan 2020 15:34

Tgt Ion: 114 Resp: 305870
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 16.0 0.0 31.0

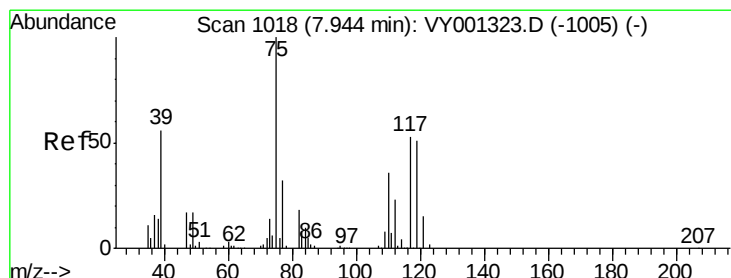
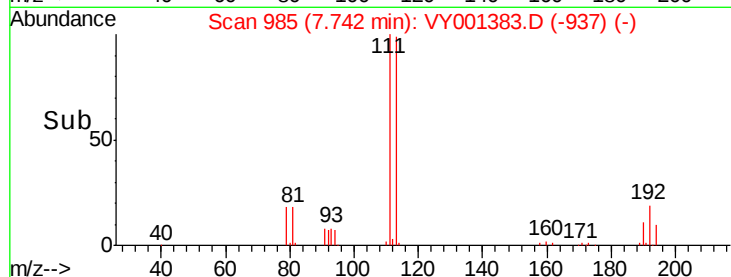
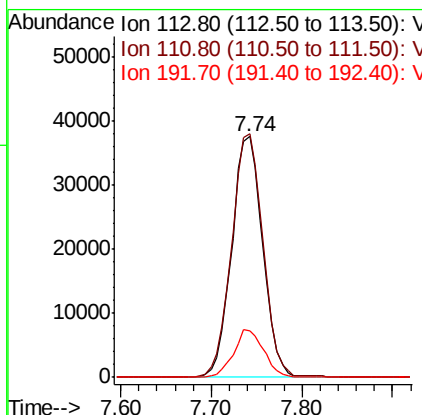
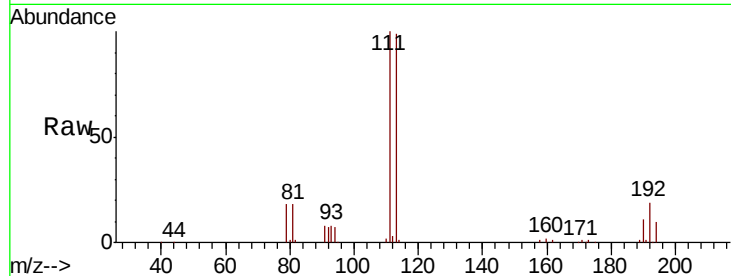




#35
 Dibromofluoromethane
 Concen: 49.655 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001383.D
 Acq: 24 Jan 2020 15:34

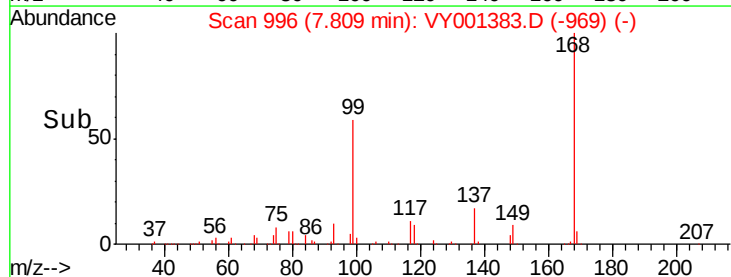
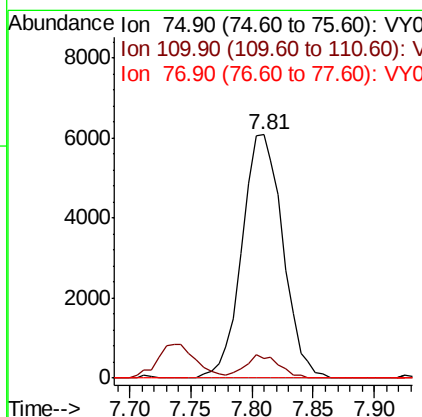
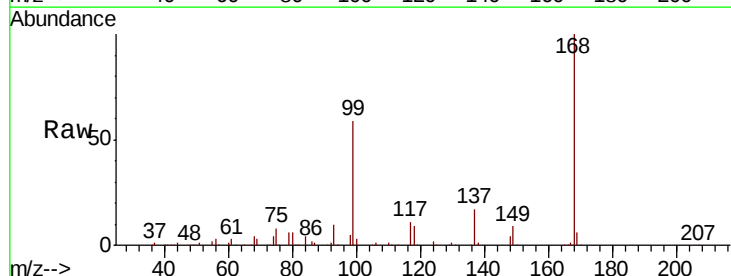
Instrument :
 MSVOA_Y
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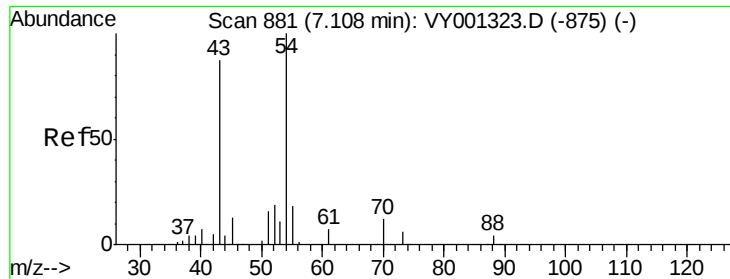
Tot Ion:113 Resp: 89140
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 19.1 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.887 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001383.D
 Acq: 24 Jan 2020 15:34

Tgt Ion: 75 Resp: 14123
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.6 52.8#
 77 0.0 24.7 37.1#

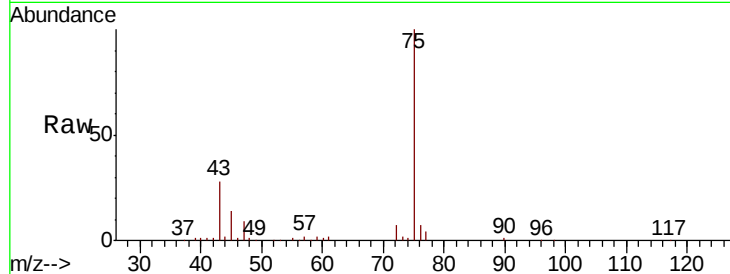




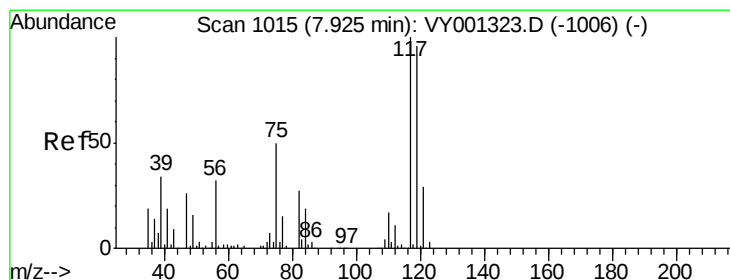
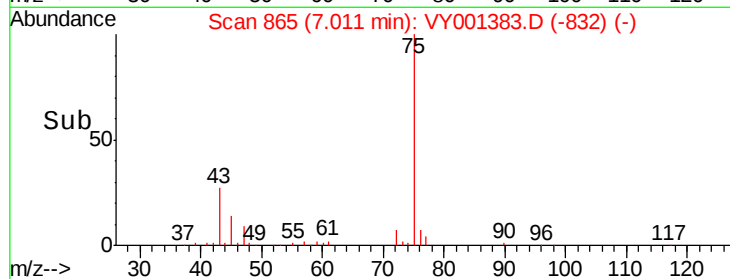
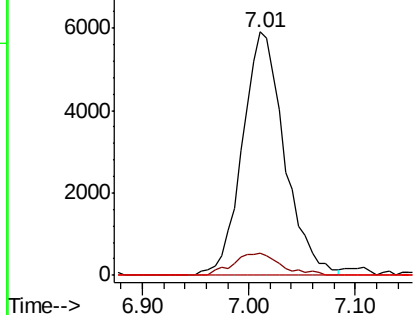
#37
Ethyl Acetate
Concen: 9.285 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.10 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 16393
Ion Ratio Lower Upper
43 100
61 10.3 11.3 16.9#
70 0.0 8.7 13.1#

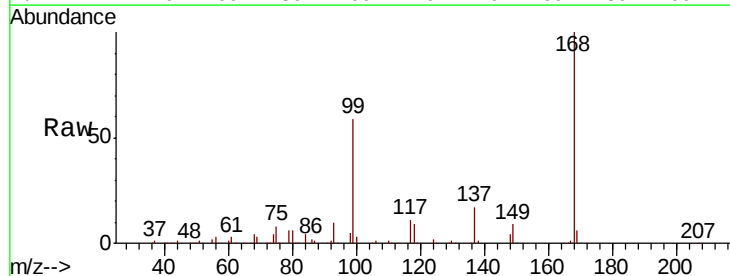


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

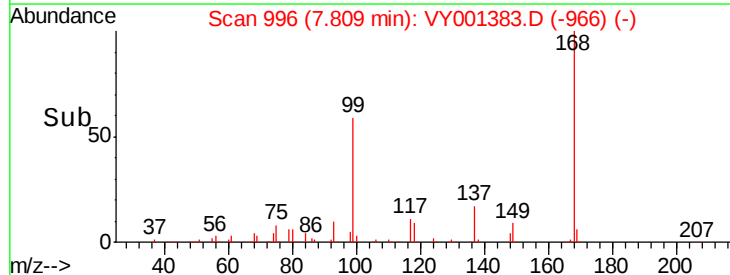
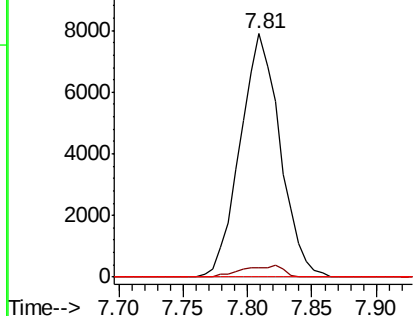


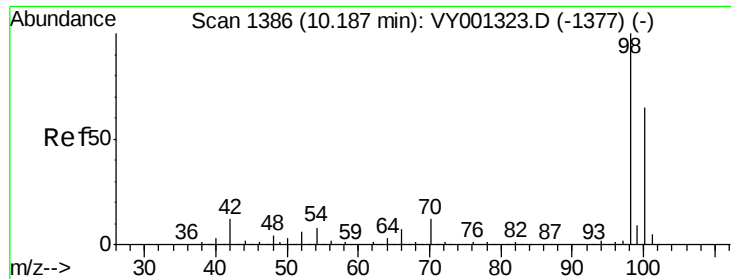
#38
Carbon Tetrachloride
Concen: 6.564 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Tgt Ion: 117 Resp: 16905
Ion Ratio Lower Upper
117 100
119 3.8 76.3 114.5#
121 0.0 23.5 35.3#



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: 51.681 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

Instrument :

MSVOA_Y

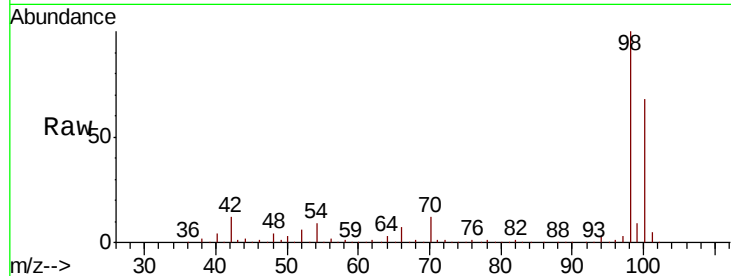
ClientSampleId :

Tot Ion: 98 Resp: 360461

Ion Ratio Lower Upper

98 100

100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001383.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001383.D (-1377) (-)

10.19

200000

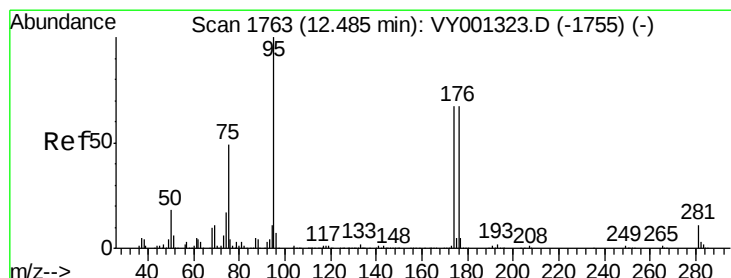
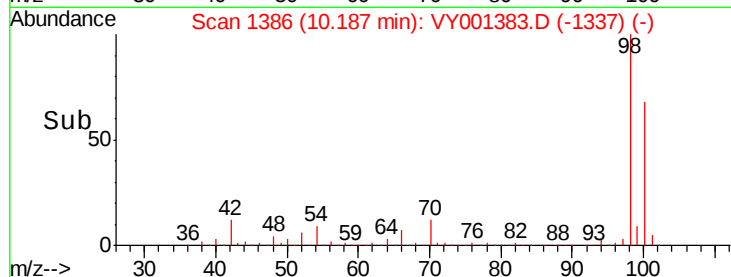
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.556 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

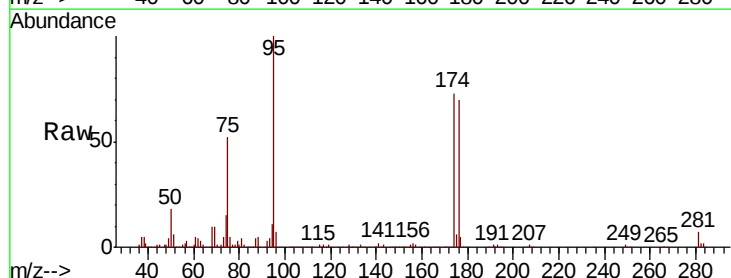
Tgt Ion: 95 Resp: 118201

Ion Ratio Lower Upper

95 100

174 74.2 0.0 142.0

176 71.5 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001383.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001383.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001383.D (-1714) (-)

12.49

100000

80000

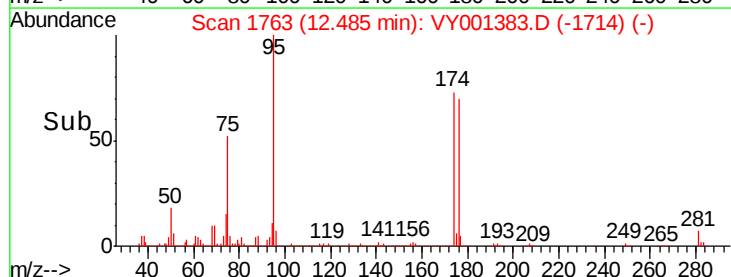
60000

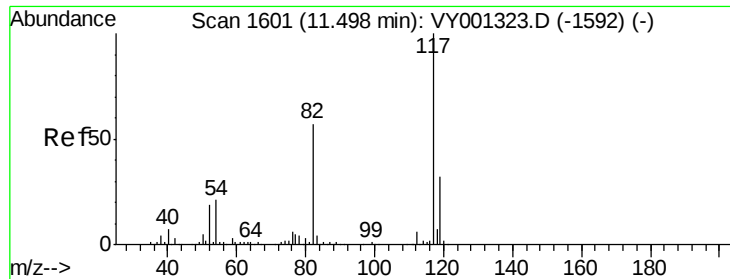
40000

20000

0

Time-->

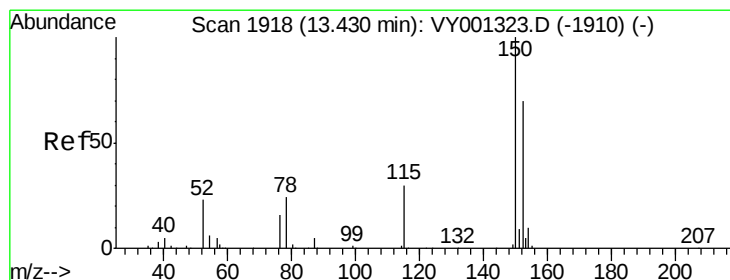
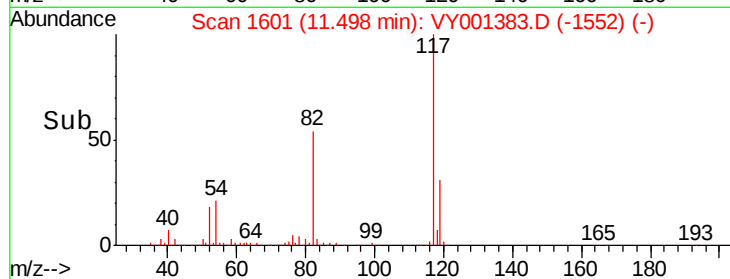
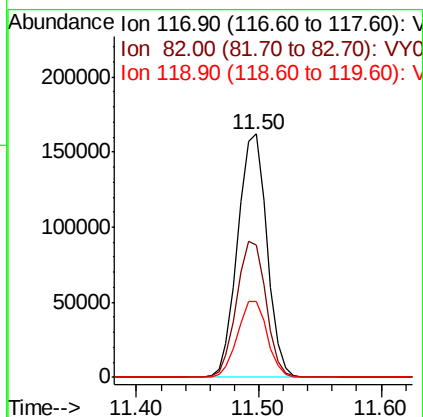
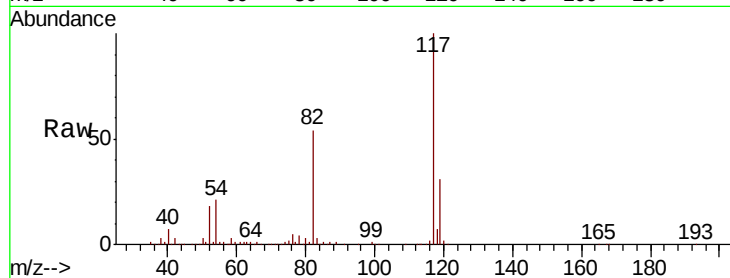




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

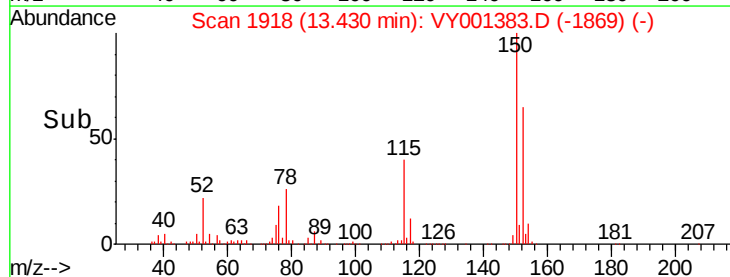
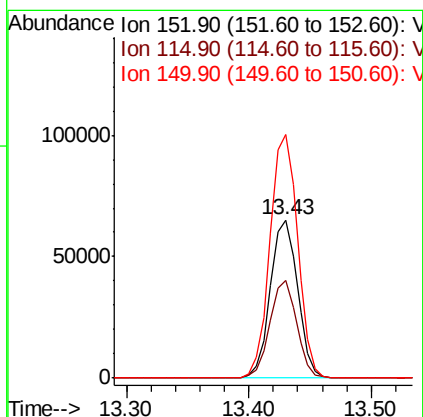
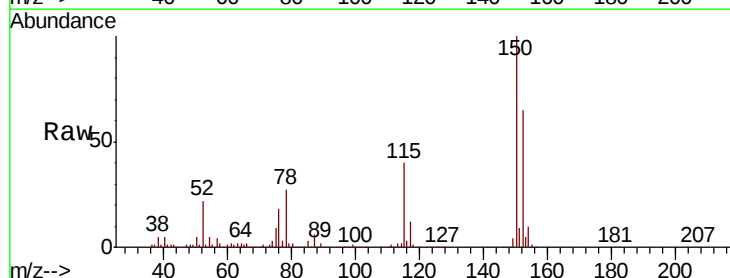
Instrument :
MSVOA_Y
ClientSampleId :

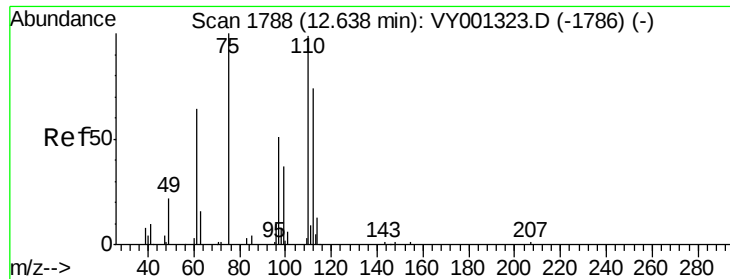
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.5	68.3
119	31.1	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001383.D
Acq: 24 Jan 2020 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.9	92.8
150	155.9	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 49.425 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

Instrument :

MSVOA_Y

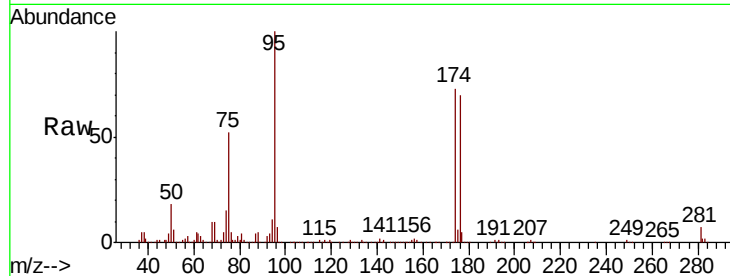
ClientSampleId :

Tot Ion: 75 Resp: 60190

Ion Ratio Lower Upper

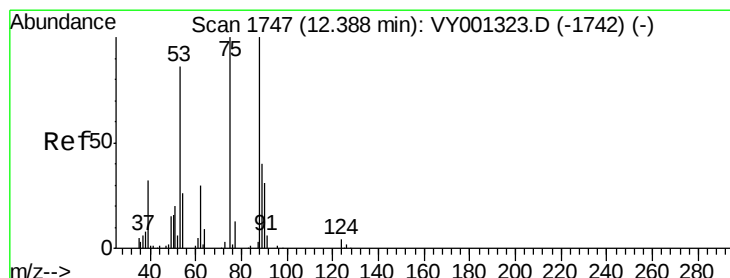
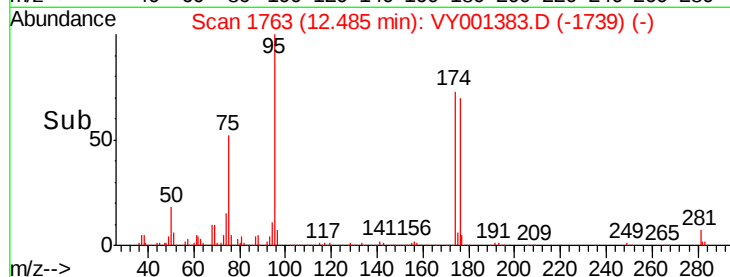
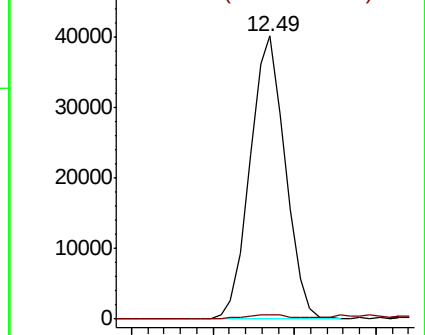
75 100

77 2.4 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: 93.532 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

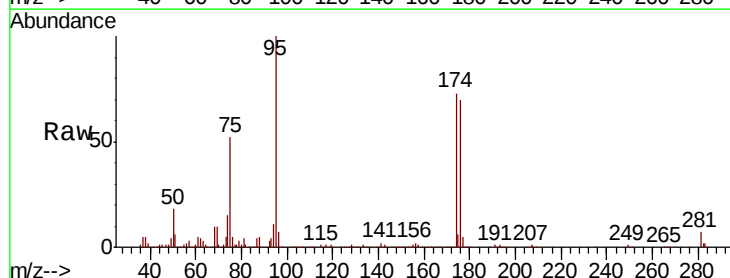
Tgt Ion: 75 Resp: 60190

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

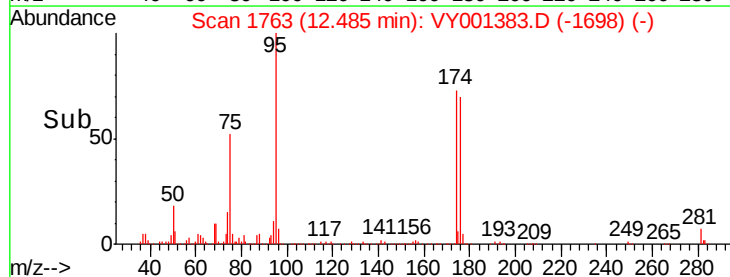
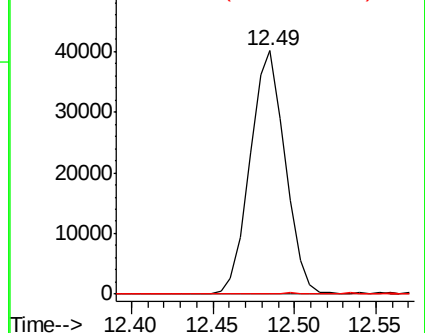
89 0.3 36.6 54.8#

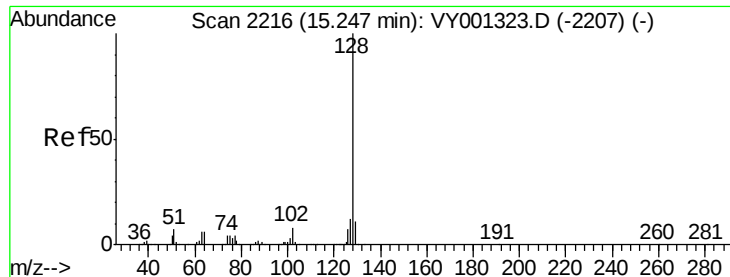


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 68.436 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001383.D

Acq: 24 Jan 2020 15:34

Instrument :

MSVOA_Y

ClientSampleId :

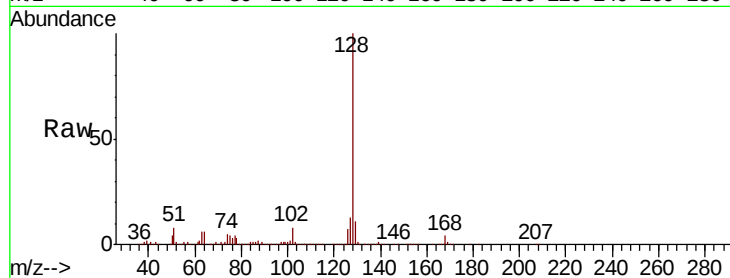
Tot Ion:128 Resp: 329492

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

