

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
 Data File : VY001135.D
 Acq On : 02 Jan 2020 15:25
 Operator : SY/MD
 Sample : VY0102SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0102SBL01

Quant Time: Jan 02 23:01:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 02 13:16:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	546099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	484468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	217330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	146669	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	7.73	113	155066	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.18	98	612990	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.48	95	209720	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

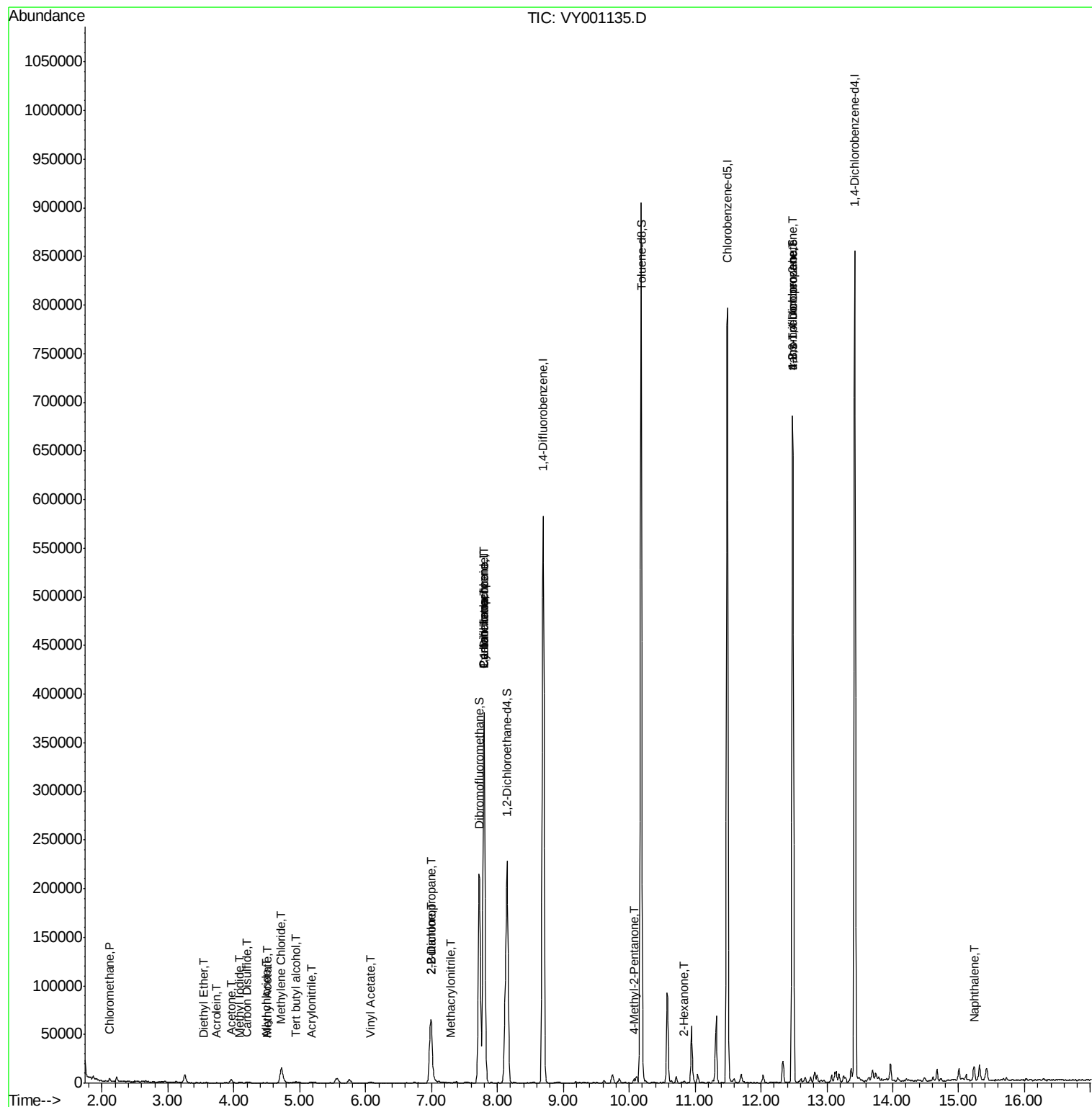
					Qvalue	
3) Chloromethane	2.12	50	2334	1.442	ug/l	92
8) Diethyl Ether	3.55	74	53	5.312	ug/l #	1
10) Methyl Iodide	4.08	142	283	3.771	ug/l #	43
11) Tert butyl alcohol	4.94	59	484	9.101	ug/l #	74
13) Acrolein	3.75	56	181	16.867	ug/l #	28
14) Allyl chloride	4.48	41	202	2.484	ug/l #	50
15) Acrylonitrile	5.18	53	742	14.462	ug/l #	69
16) Acetone	3.96	43	5021	30.730	ug/l	97
17) Carbon Disulfide	4.19	76	1091	3.794	ug/l #	75
18) Methyl Acetate	4.51	43	630	4.089	ug/l #	82
20) Methylene Chloride	4.71	84	12611	3.635	ug/l #	72
23) Vinyl Acetate	6.07	43	1346	8.862	ug/l #	47
25) 2-Butanone	6.99	43	4205	5.065	ug/l #	70
26) 2,2-Dichloropropane	6.99	77	5084	1.048	ug/l #	50
31) Cyclohexane	7.80	56	5379	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20423	4.287	ug/l #	47
38) Carbon Tetrachloride	7.80	117	28622	5.782	ug/l #	14
41) Methacrylonitrile	7.29	41	23	2.931	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	2740	1.492	ug/l	100
59) 2-Hexanone	10.83	43	1385	1.116	ug/l	87
76) 1,2,3-Trichloropropane	12.48	75	96227	41.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96227	86.772	ug/l #	22
95) Naphthalene	15.23	128	12449	1.164	ug/l	97

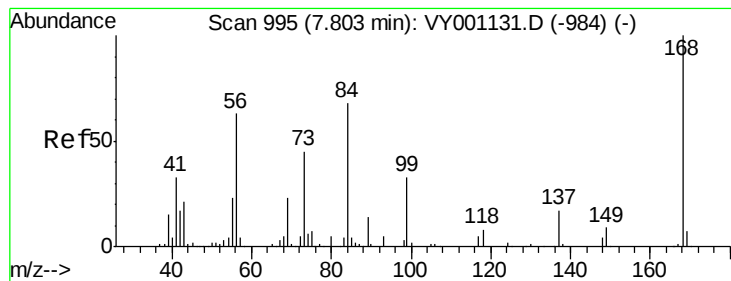
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY010220\
Data File : VY001135.D
Acq On : 02 Jan 2020 15:25
Operator : SY/MD
Sample : VY0102SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0102SBL01

Quant Time: Jan 02 23:01:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y010220S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 02 13:16:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

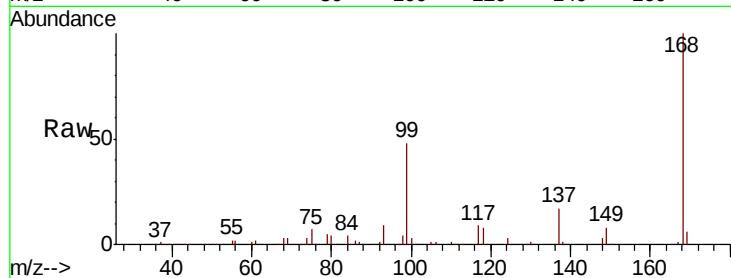
VY0102SBL01

Tot Ion:168 Resp: 316602

Ion Ratio Lower Upper

168 100

99 48.2 42.5 63.7



Abundance Ion 167.90 (167.60 to 168.60): VY001131.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY001131.D (-984) (-)

7.80

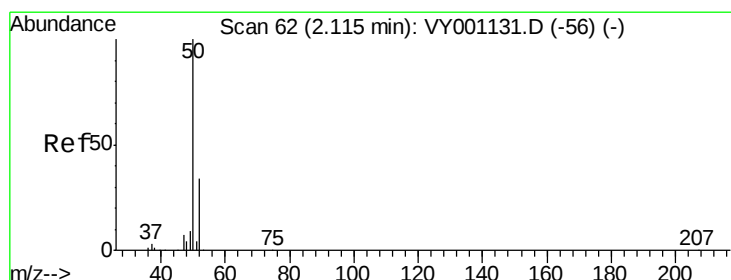
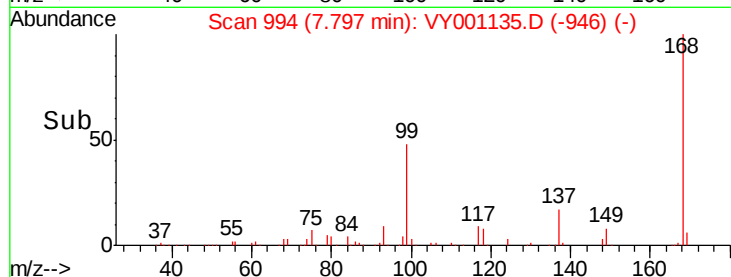
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.442 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001135.D

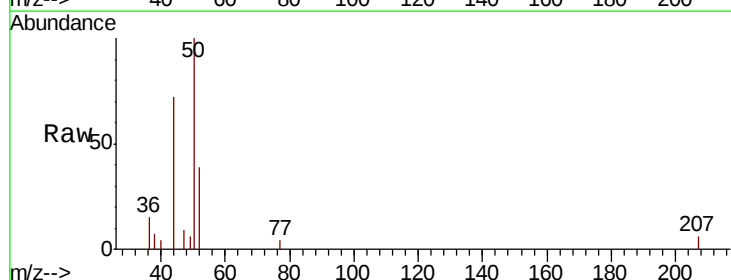
Acq: 02 Jan 2020 15:25

Tgt Ion: 50 Resp: 2334

Ion Ratio Lower Upper

50 100

52 38.9 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY001135.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY001135.D (-13) (-)

2.12

2000

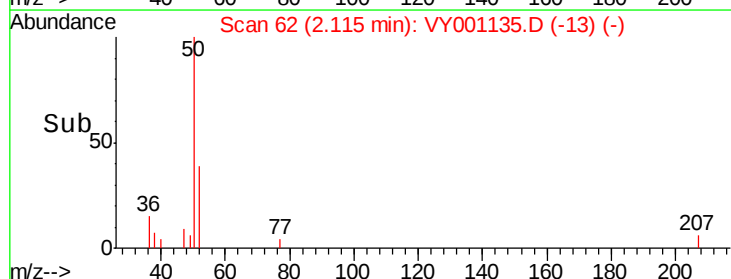
1500

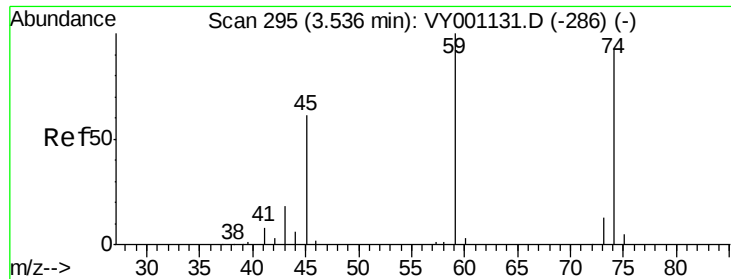
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 5.312 ug/l

RT: 3.55 min Scan# 297

Delta R.T. 0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

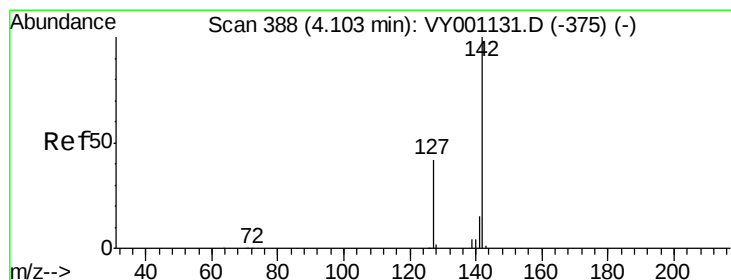
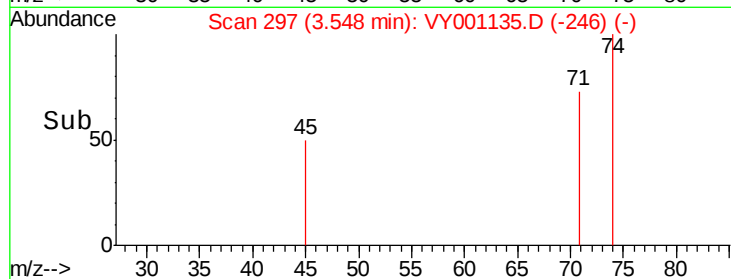
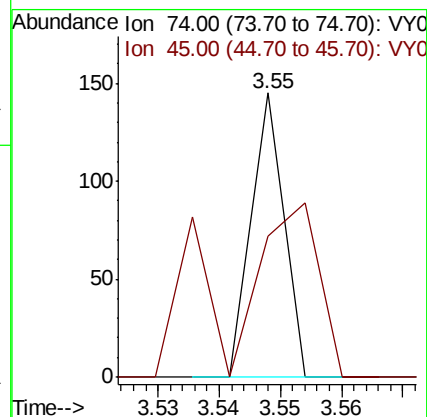
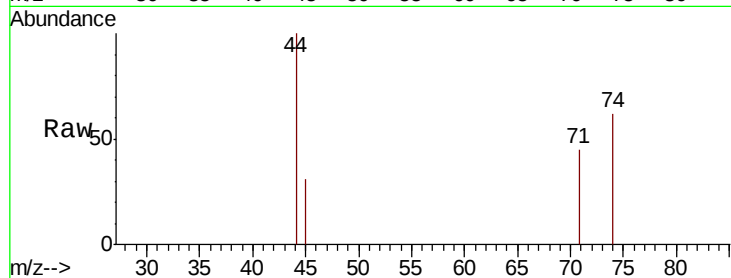
VY0102SBL01

Tot Ion: 74 Resp: 53

Ion Ratio Lower Upper

74 100

45 167.9 33.2 99.6#



#10

Methyl Iodide

Concen: 3.771 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

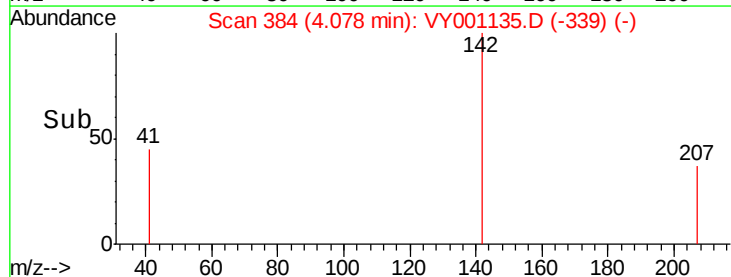
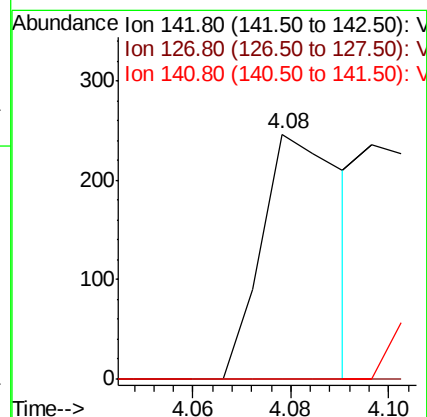
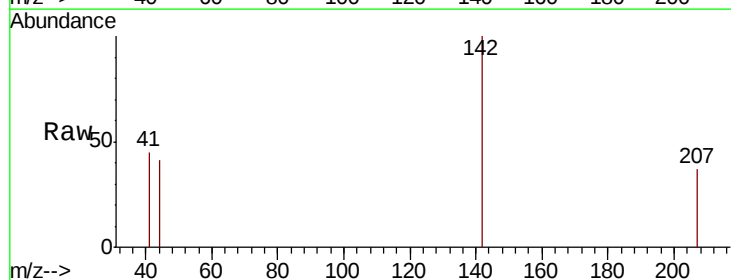
Tgt Ion: 142 Resp: 283

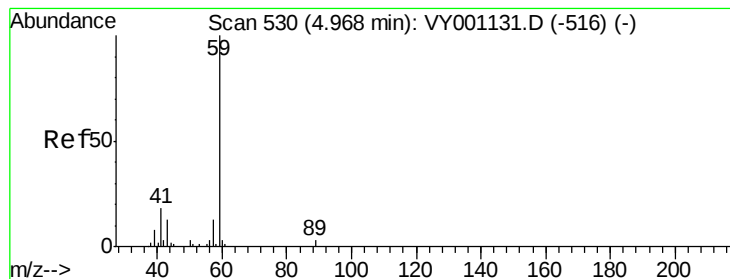
Ion Ratio Lower Upper

142 100

127 0.0 32.2 48.4#

141 0.0 11.1 16.7#



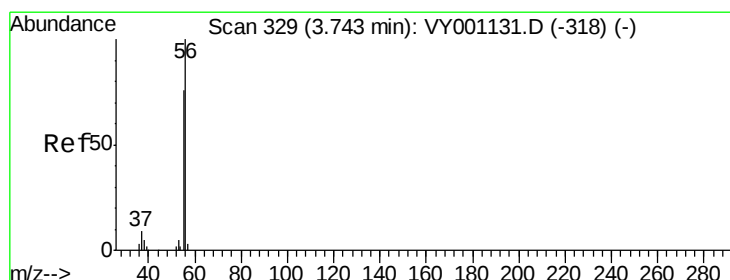
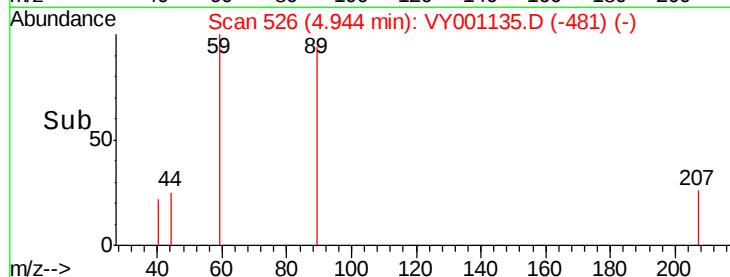
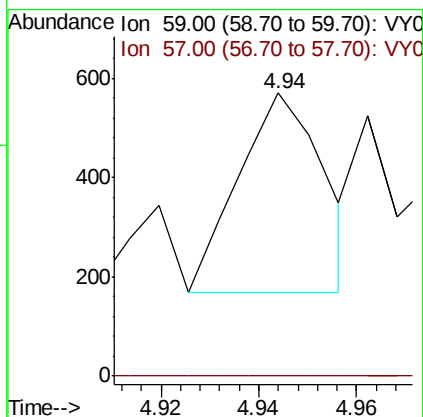
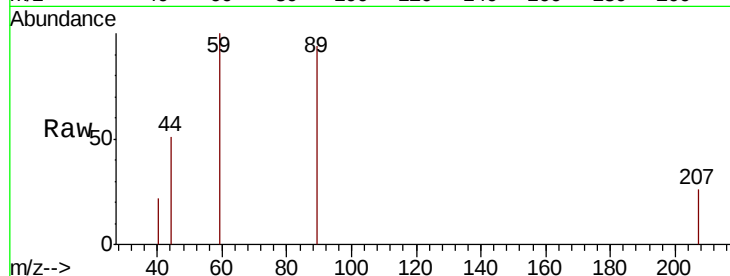


#11

Tert butyl alcohol
 Concen: 9.101 ug/l
 RT: 4.94 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0102SBL01

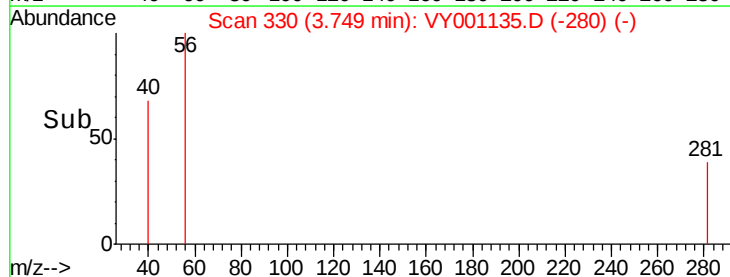
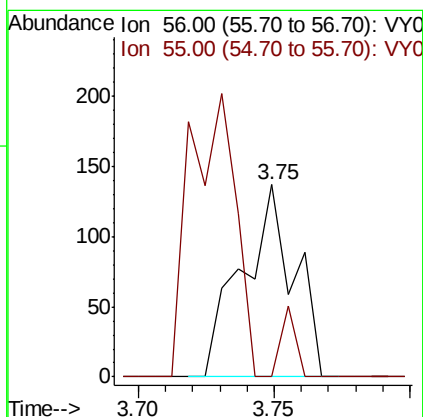
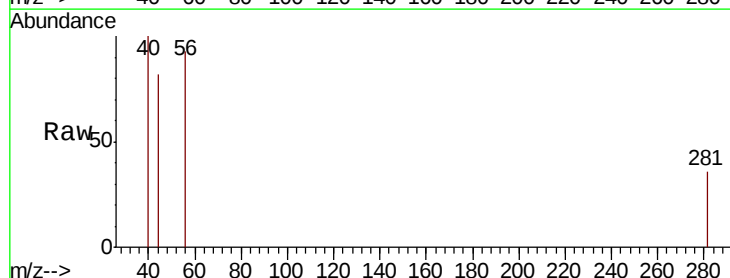
Tot Ion: 59 Resp: 484
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

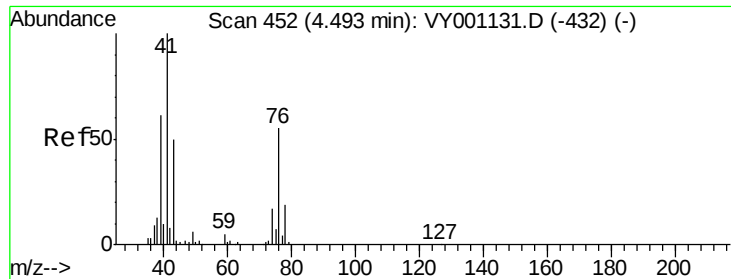


#13

Acrolein
 Concen: 16.867 ug/l
 RT: 3.75 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 10.5 55.7 83.5#





#14

Allvl chloride

Concen: 2.484 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0102SBL01

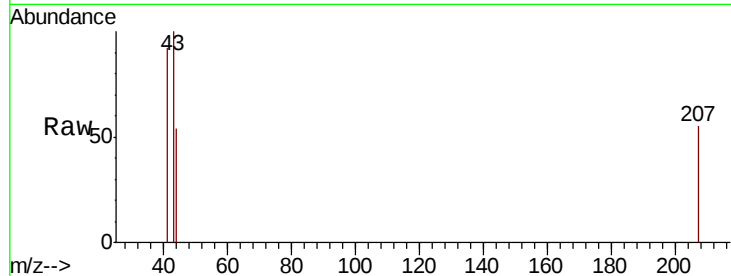
Tot Ion: 41 Resp: 202

Ion Ratio Lower Upper

41 100

39 39.1 50.1 75.1#

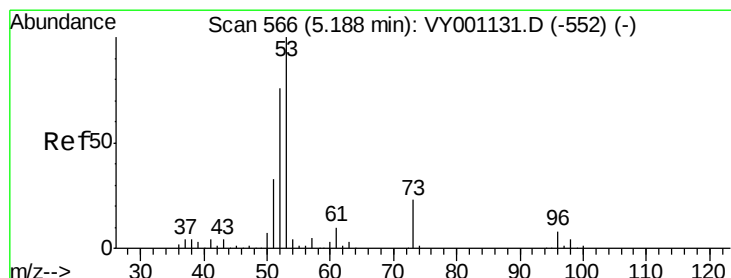
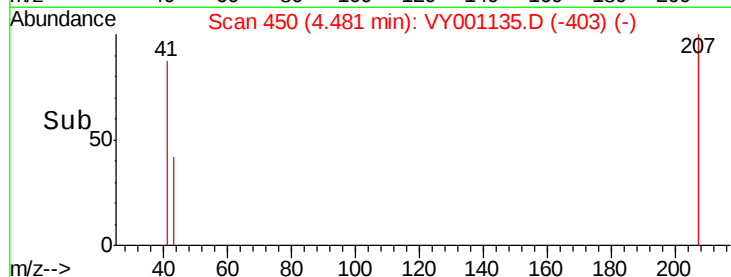
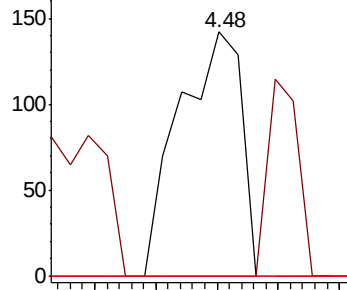
76 0.0 42.1 63.1#



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0



#15

Acrylonitrile

Concen: 14.462 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

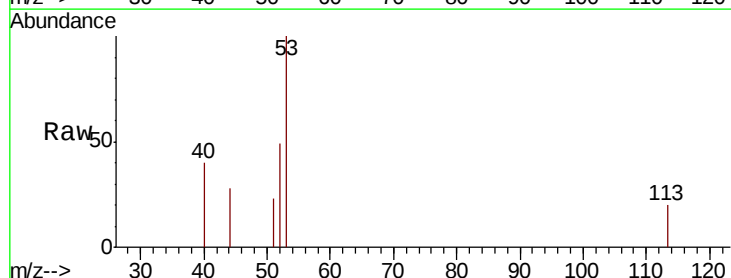
Tgt Ion: 53 Resp: 742

Ion Ratio Lower Upper

53 100

52 54.9 63.0 94.4#

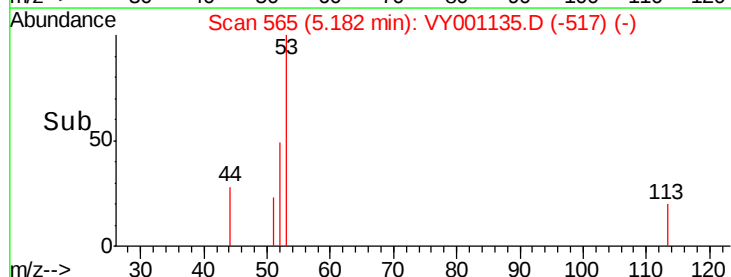
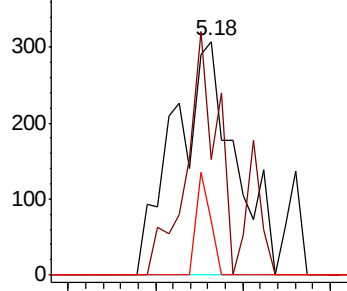
51 10.2 26.1 39.1#

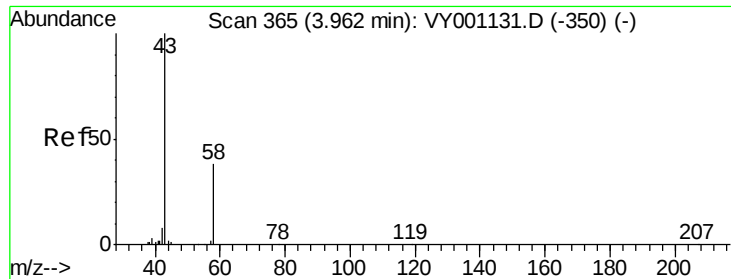


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0





#16

Acetone

Concen: 30.730 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

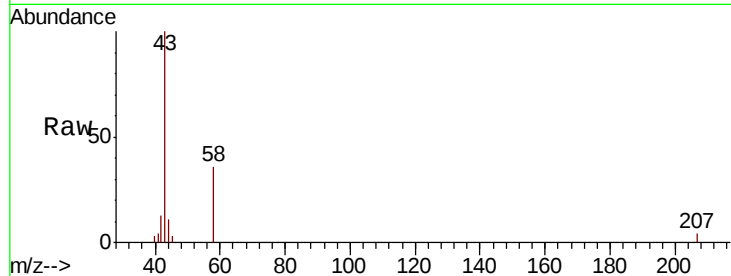
VY0102SBL01

Tot Ion: 43 Resp: 5021

Ion Ratio Lower Upper

43 100

58 36.5 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2500

2000

1500

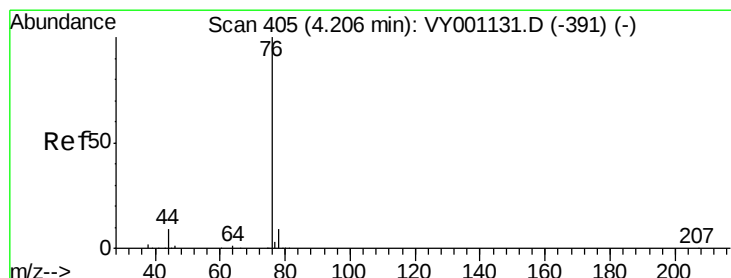
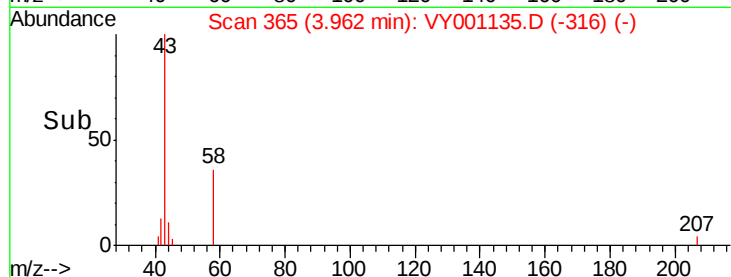
1000

500

0

3.90 3.96 4.00

Time-->



#17

Carbon Disulfide

Concen: 3.794 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY001135.D

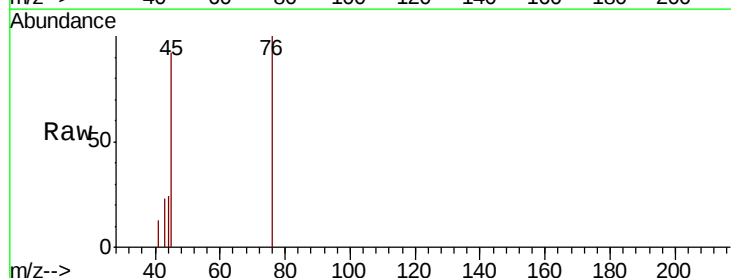
Acq: 02 Jan 2020 15:25

Tgt Ion: 76 Resp: 1091

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

600

500

400

300

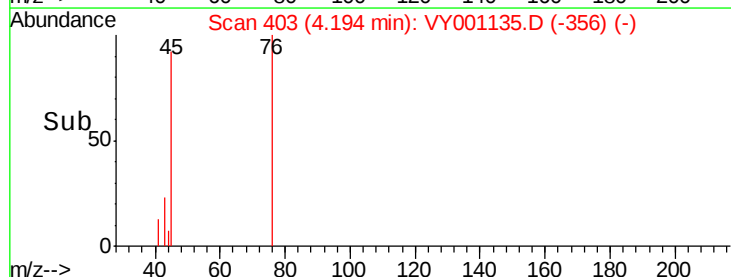
200

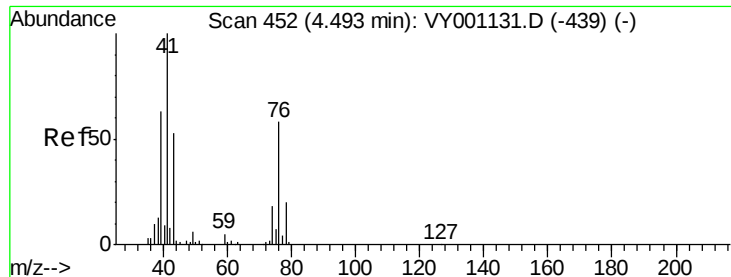
100

0

4.15 4.19 4.25

Time-->

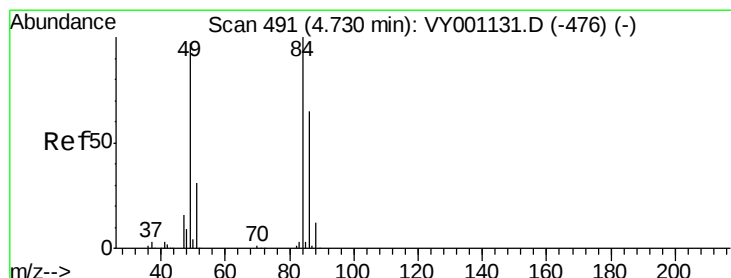
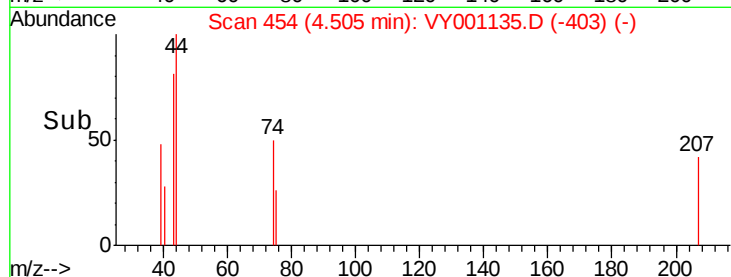
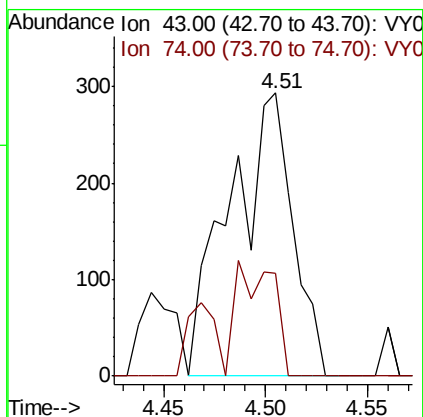
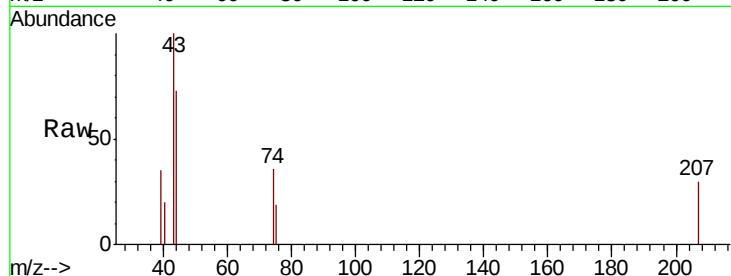




#18
Methvl Acetate
Concen: 4.089 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

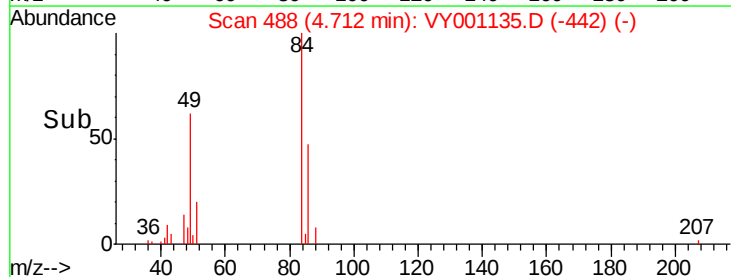
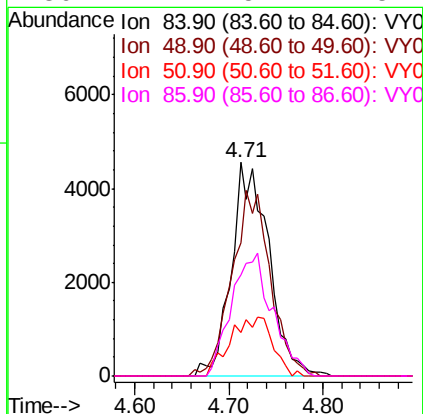
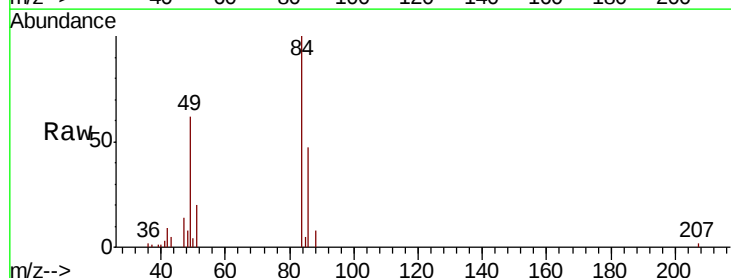
Instrument :
MSVOA_Y
ClientSampleId :
VY0102SBL01

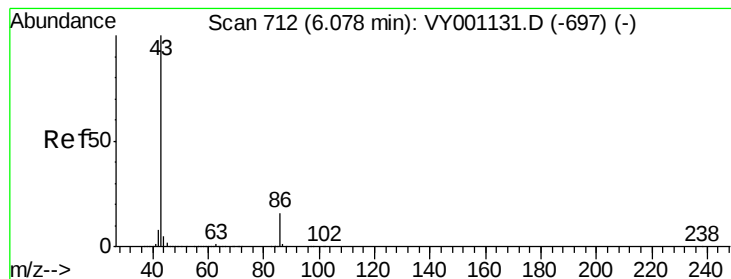
Tot Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
74 24.0 27.3 40.9#



#20
Methylene Chloride
Concen: 3.635 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.02 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

Tgt Ion: 84 Resp: 12611
Ion Ratio Lower Upper
84 100
49 62.1 77.5 116.3#
51 20.3 24.7 37.1#
86 47.4 52.2 78.2#





#23

Vinyl Acetate

Concen: 8.862 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

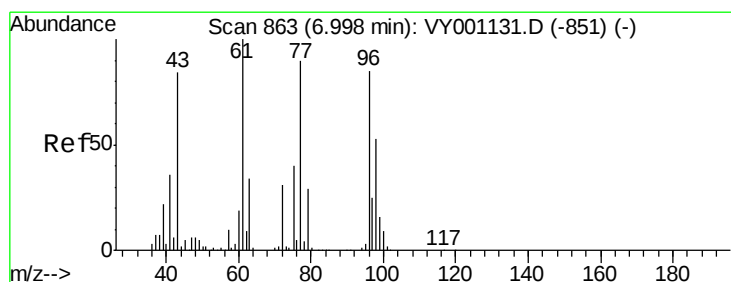
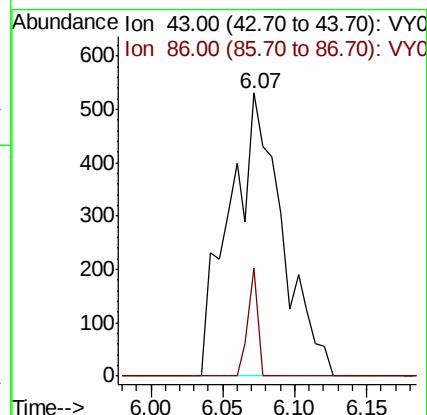
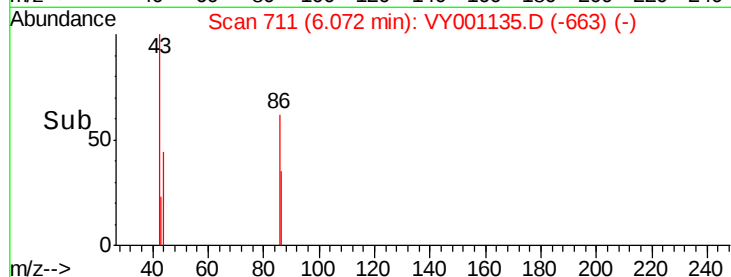
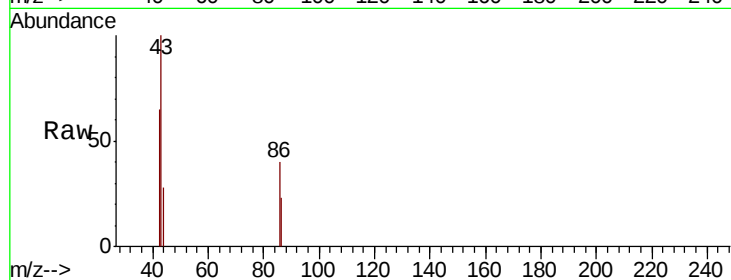
VY0102SBL01

Tot Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

86 38.0 12.6 18.8#



#25

2-Butanone

Concen: 5.065 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001135.D

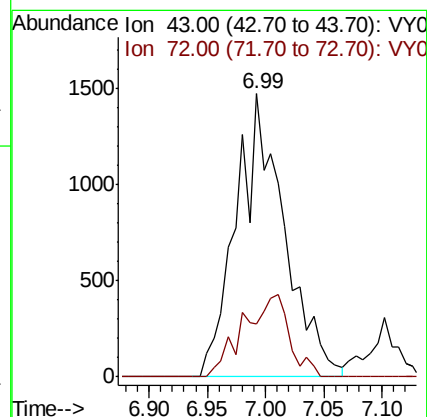
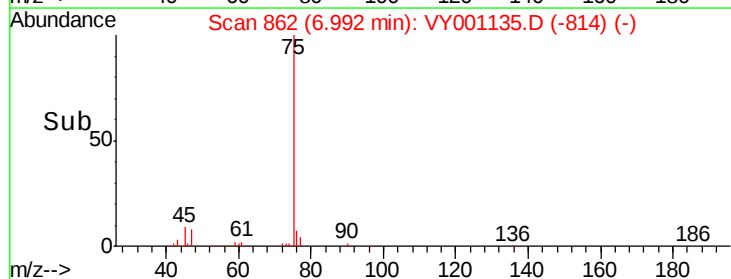
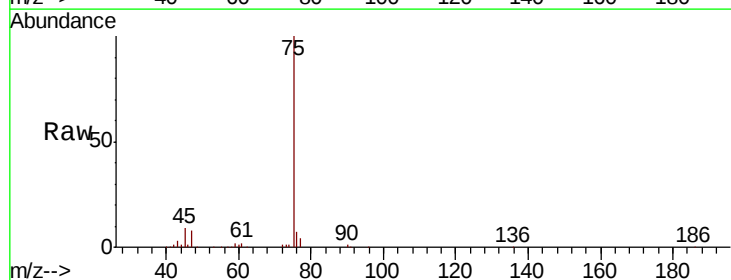
Acq: 02 Jan 2020 15:25

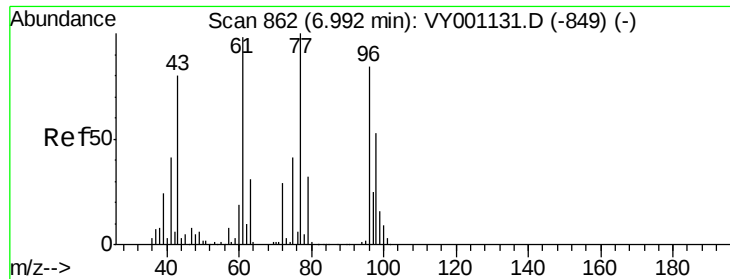
Tgt Ion: 43 Resp: 4205

Ion Ratio Lower Upper

43 100

72 18.8 29.5 44.3#

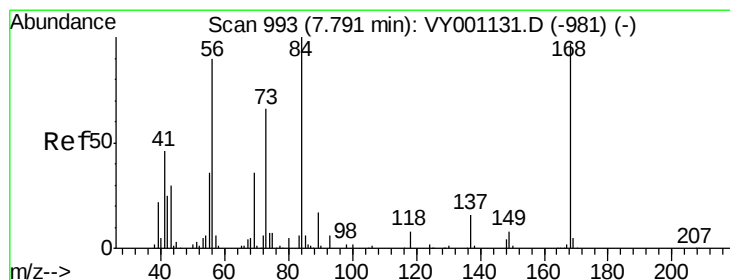
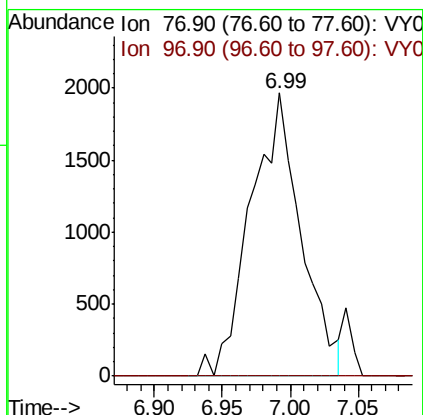
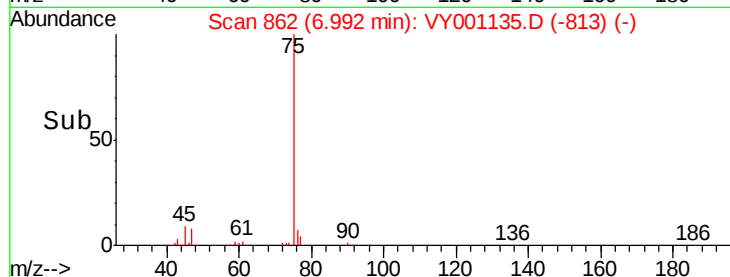
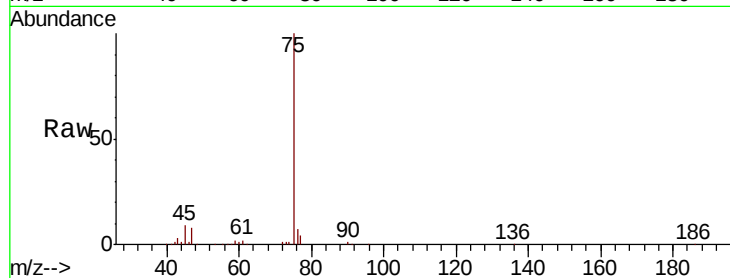




#26
2,2-Dichloropropane
Concen: 1.048 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

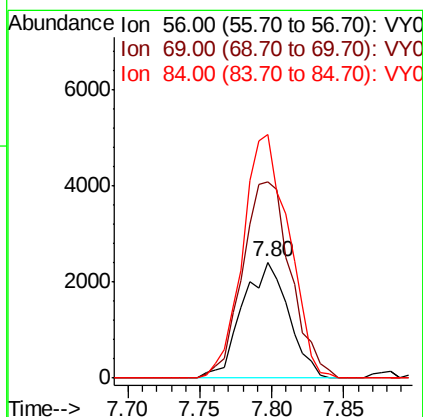
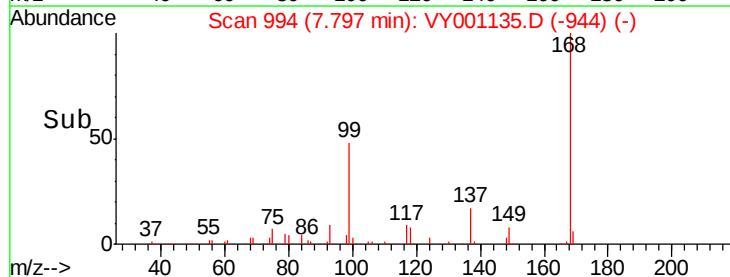
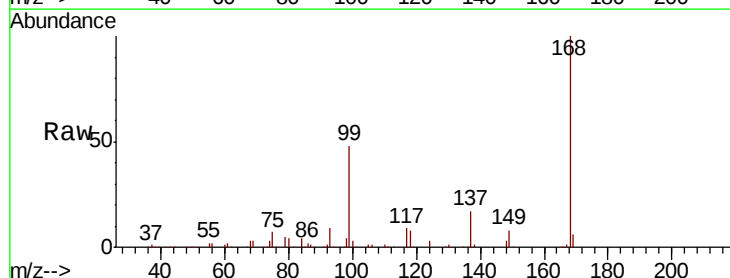
Instrument :
MSVOA_Y
ClientSampleId :
VY0102SBL01

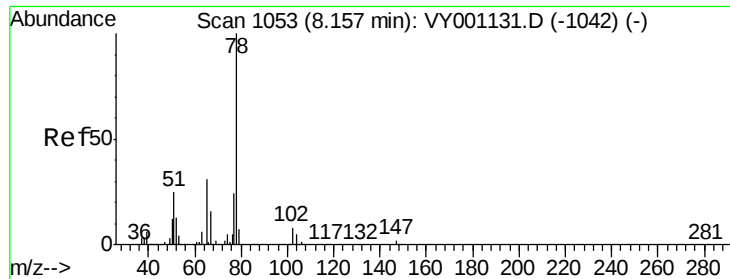
Tot Ion: 77 Resp: 5084
Ion Ratio Lower Upper
77 100
97 0.0 12.6 37.6#



#31
Cyclohexane
Concen: 1.032 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

Tgt Ion: 56 Resp: 5379
Ion Ratio Lower Upper
56 100
69 168.9 32.0 48.0#
84 210.0 89.1 133.7#





#33

1,2-Dichloroethane-d4

Concen: 55.642 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

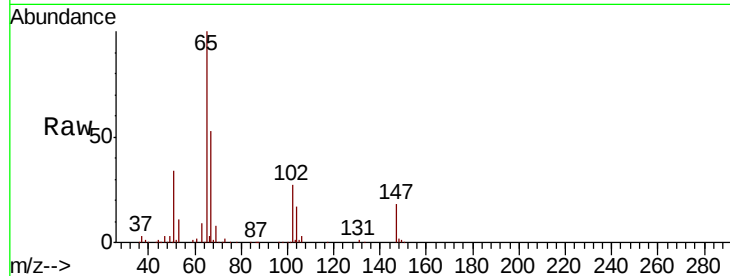
VY0102SBL01

Tot Ion: 65 Resp: 146669

Ion Ratio Lower Upper

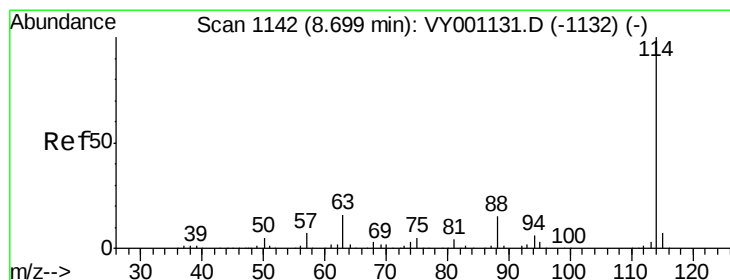
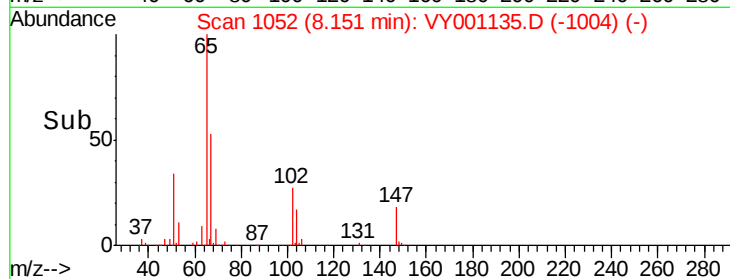
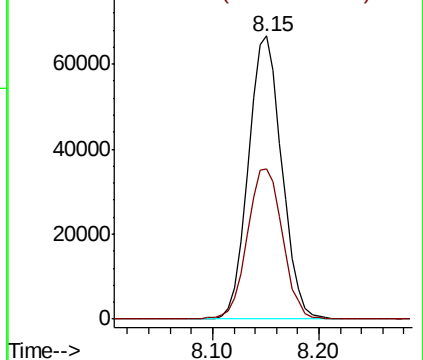
65 100

67 56.0 0.0 110.6



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: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

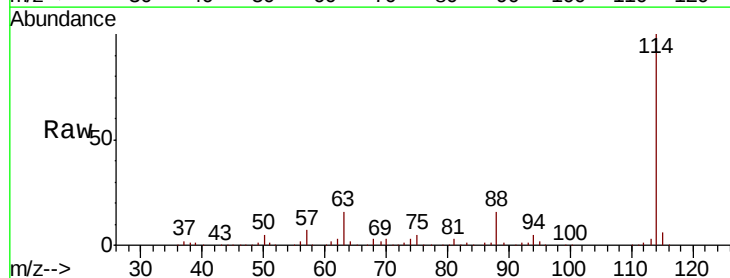
Tgt Ion: 114 Resp: 546099

Ion Ratio Lower Upper

114 100

63 15.8 0.0 33.0

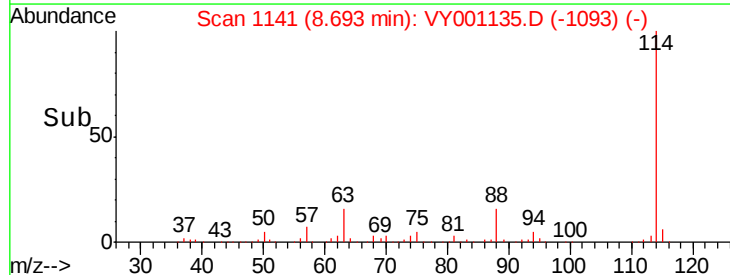
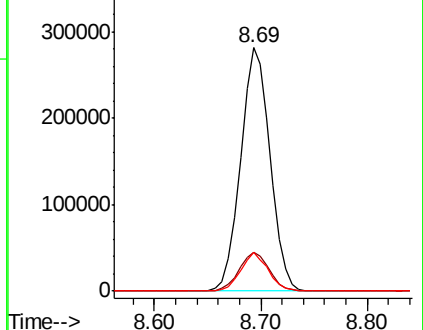
88 16.1 0.0 30.0

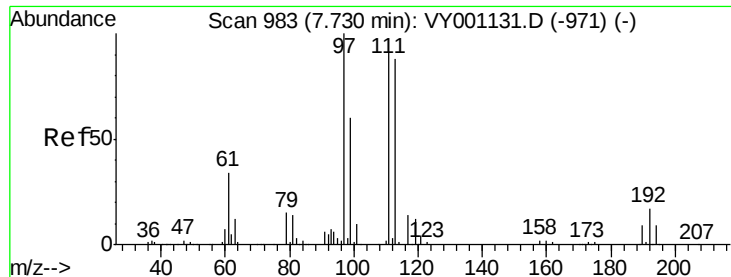


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

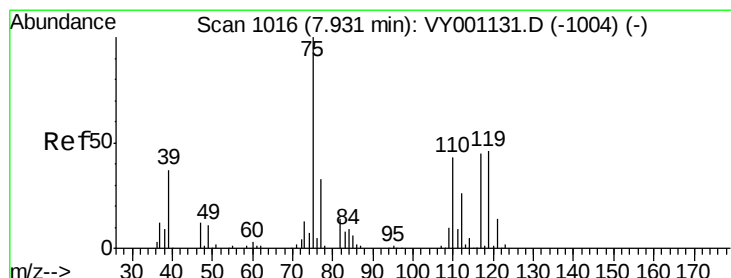
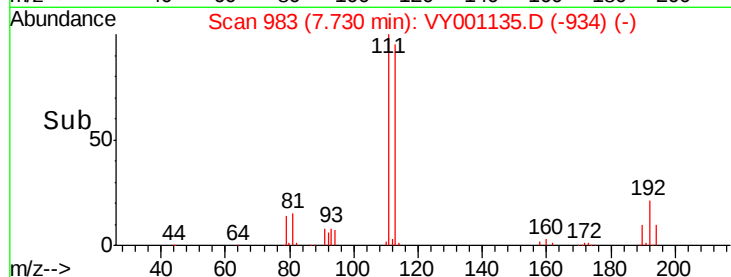
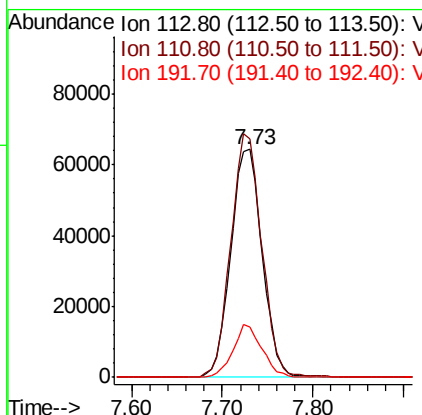
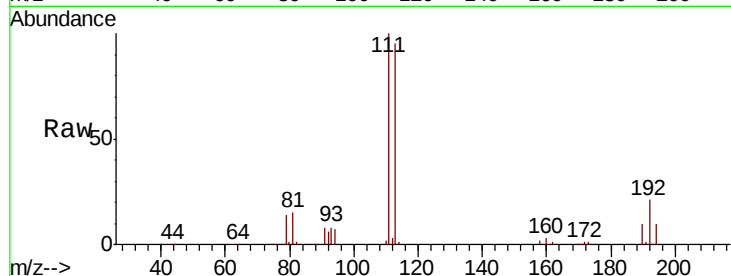




#35
 Dibromofluoromethane
 Concen: 49.935 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

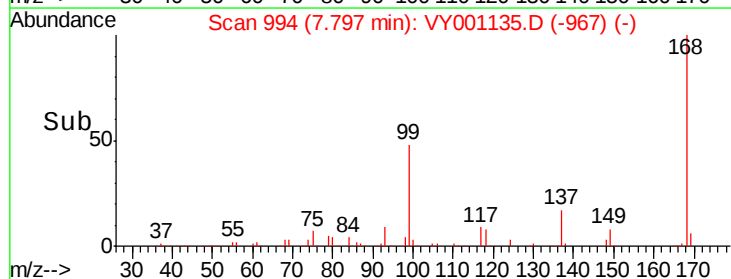
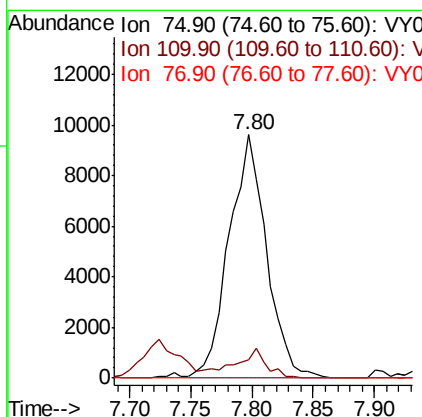
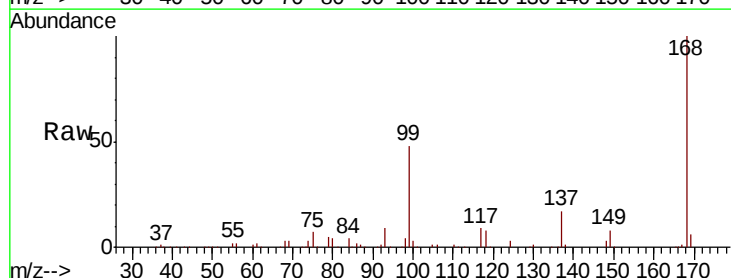
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0102SBL01

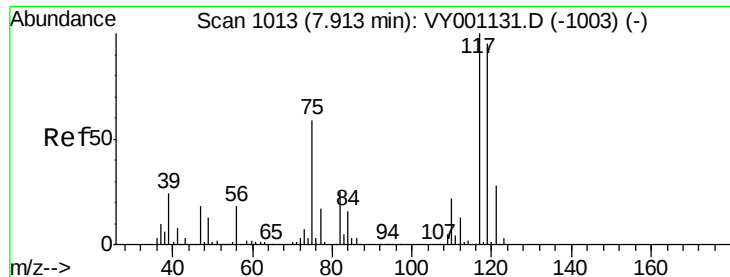
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.0	121.4
192	20.9	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 4.287 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.6	61.8#
77	0.0	25.7	38.5#





#38

Carbon Tetrachloride

Concen: 5.782 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0102SBL01

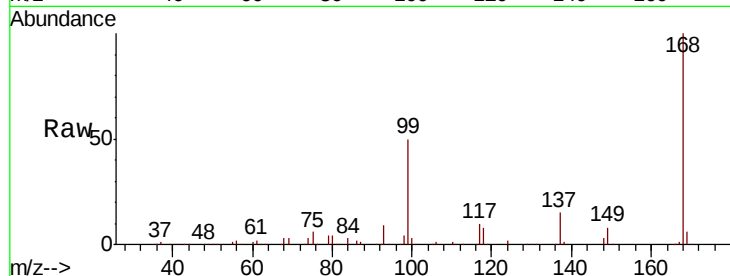
Tot Ion: 117 Resp: 28622

Ion Ratio Lower Upper

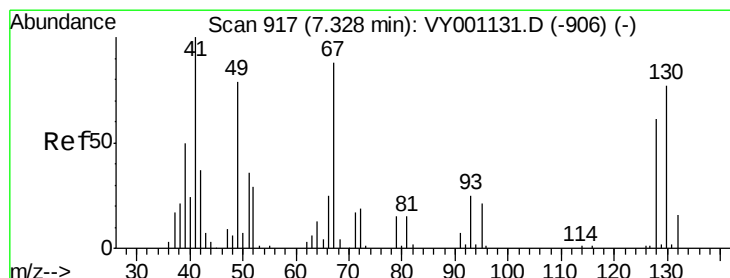
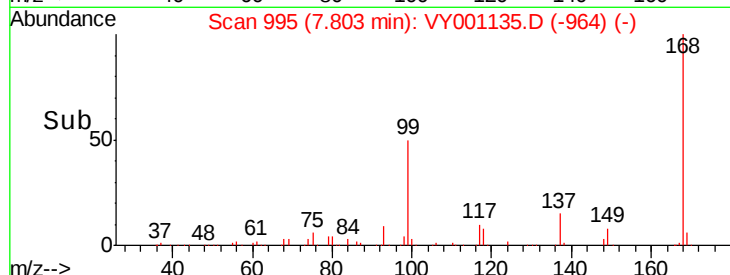
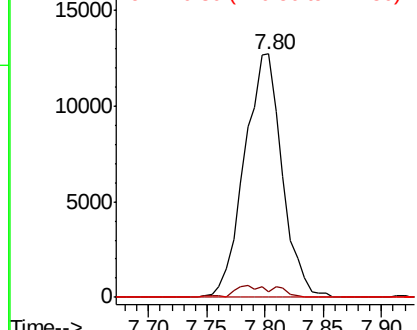
117 100

119 2.2 75.8 113.6#

121 0.0 22.5 33.7#



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



#41

Methacrylonitrile

Concen: 2.931 ug/l

RT: 7.29 min Scan# 911

Delta R.T. -0.04 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Tgt Ion: 41 Resp: 23

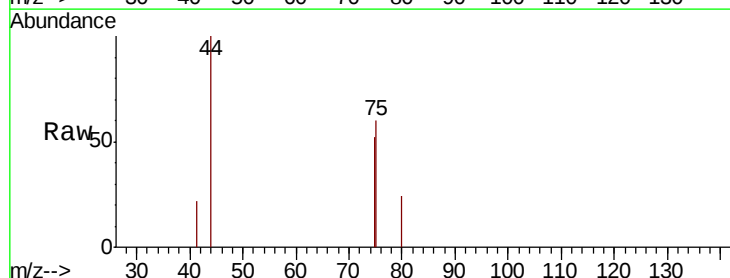
Ion Ratio Lower Upper

41 100

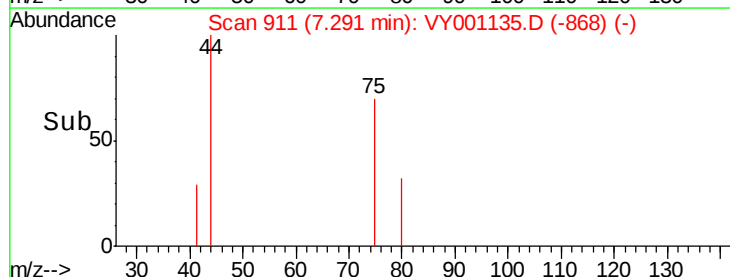
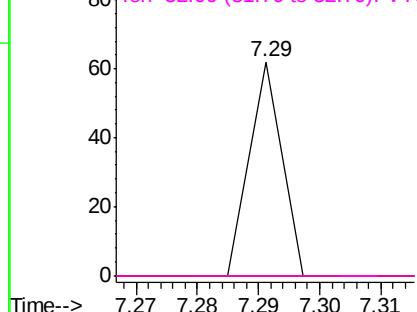
39 0.0 122.9 184.3#

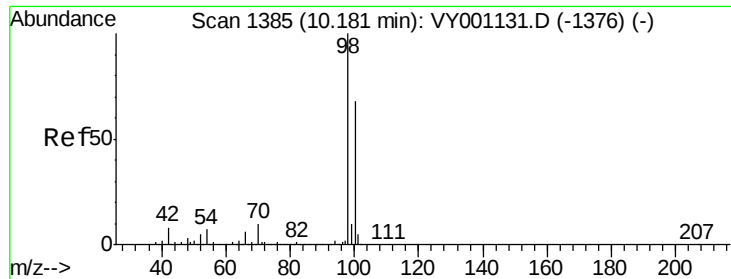
67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 53.992 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampleId :

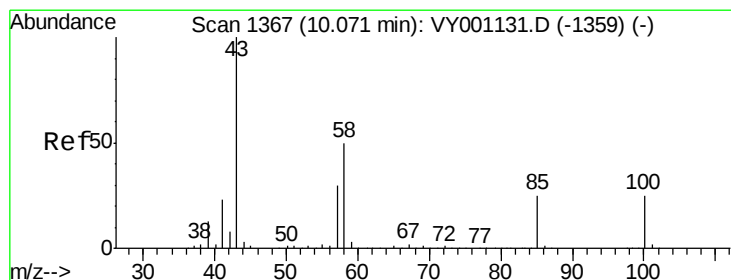
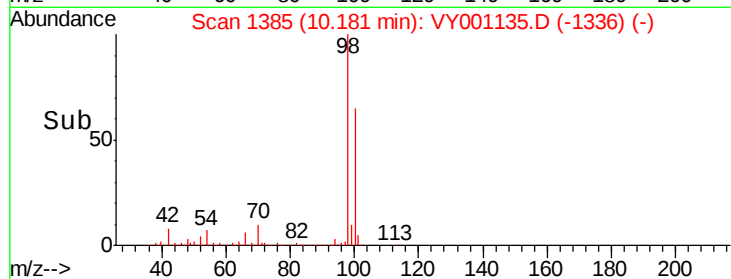
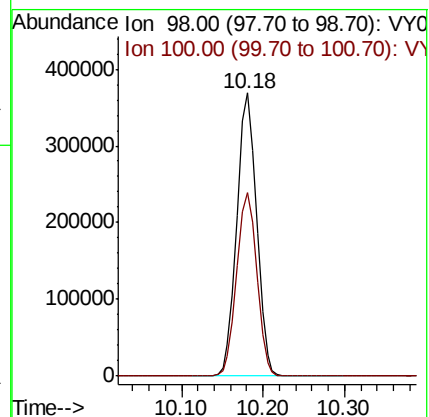
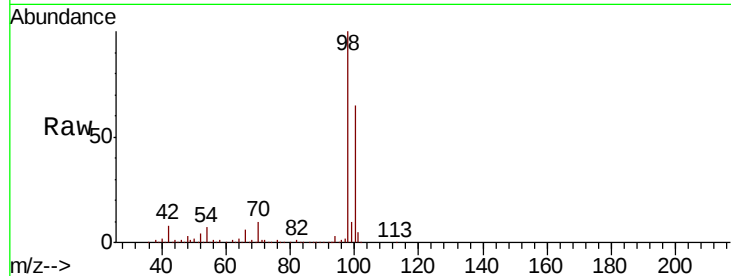
VY0102SBL01

Tot Ion: 98 Resp: 612990

Ion Ratio Lower Upper

98 100

100 66.0 53.2 79.8



#51

4-Methyl-2-Pentanone

Concen: 1.492 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY001135.D

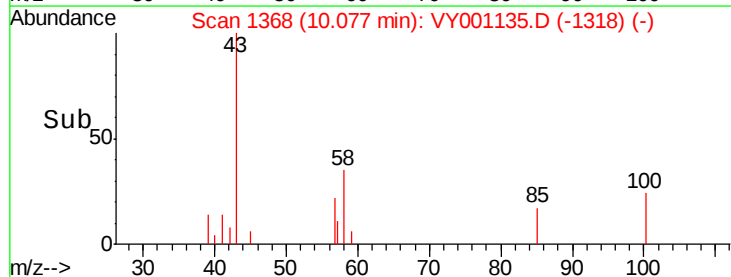
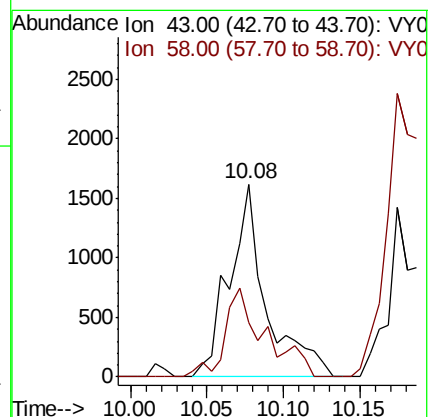
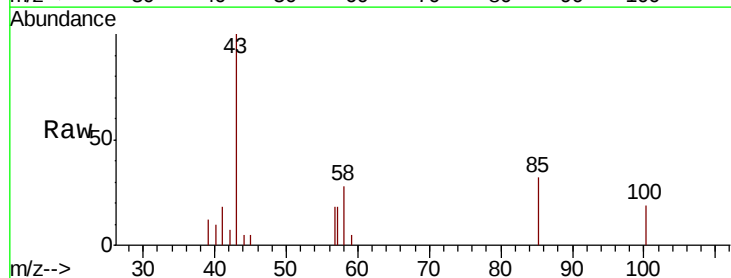
Acq: 02 Jan 2020 15:25

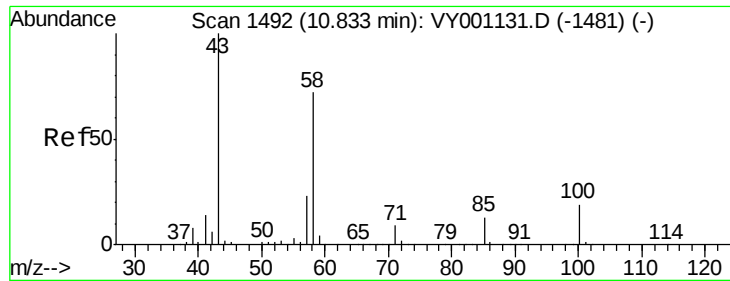
Tgt Ion: 43 Resp: 2740

Ion Ratio Lower Upper

43 100

58 49.1 39.1 58.7





#59

2-Hexanone

Concen: 1.116 ug/l

RT: 10.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

Instrument :

MSVOA_Y

ClientSampled :

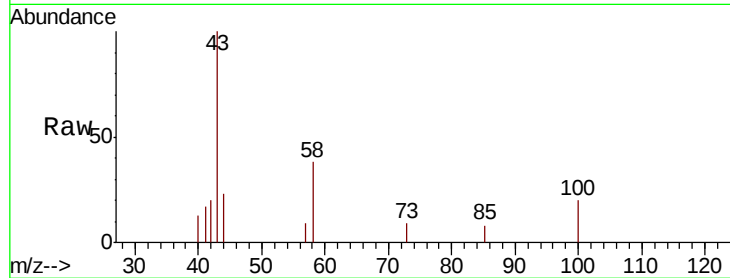
VY0102SBL01

Tot Ion: 43 Resp: 1385

Ion Ratio Lower Upper

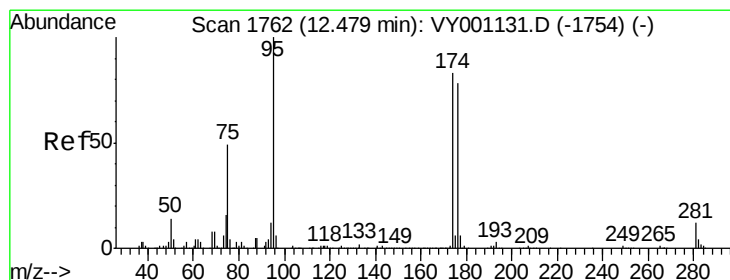
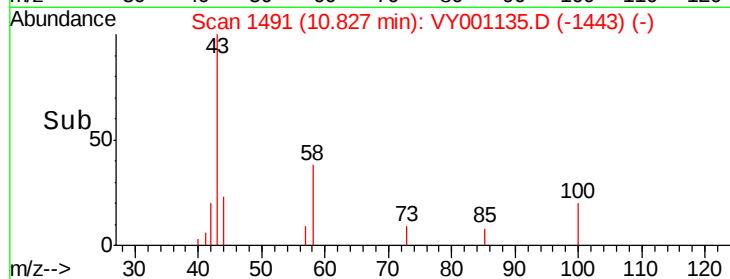
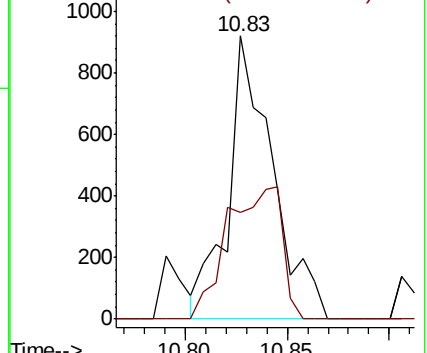
43 100

58 58.1 34.4 103.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 48.572 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001135.D

Acq: 02 Jan 2020 15:25

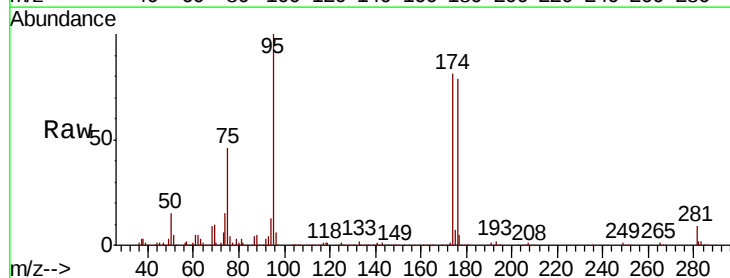
Tgt Ion: 95 Resp: 209720

Ion Ratio Lower Upper

95 100

174 82.8 0.0 171.8

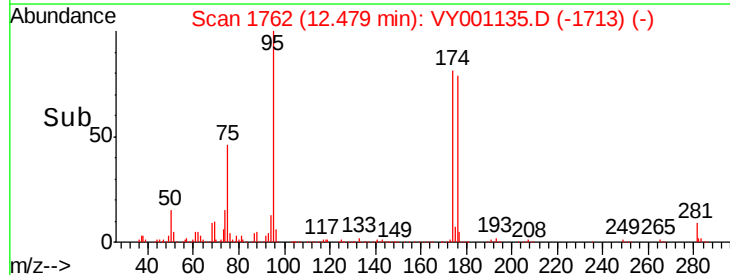
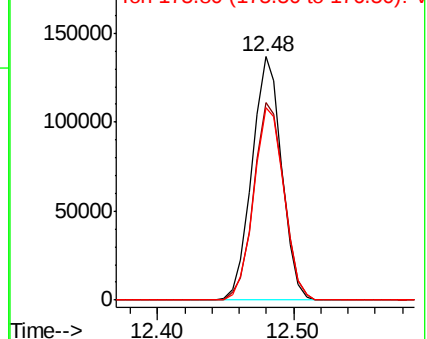
176 81.2 0.0 163.6

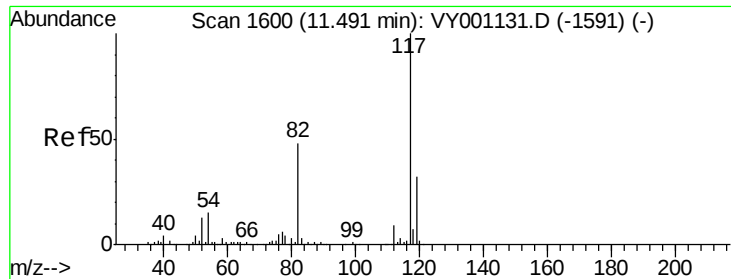


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

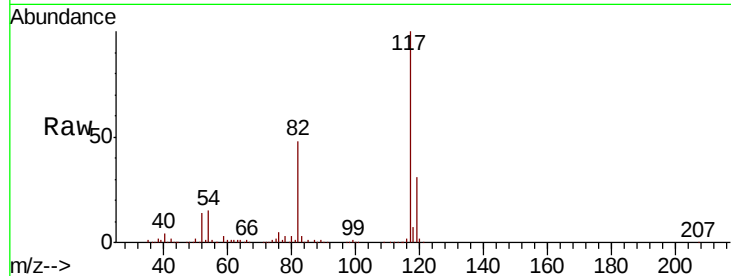




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0102SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	38.5	57.7
119	31.3	25.9	38.9

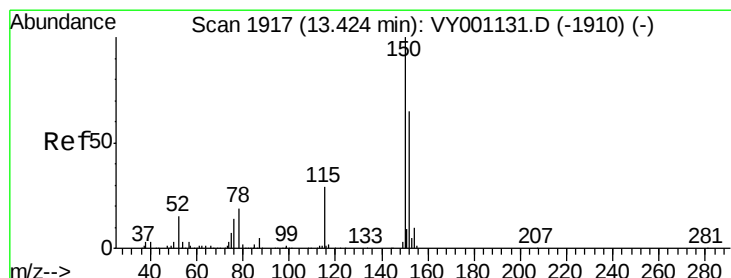
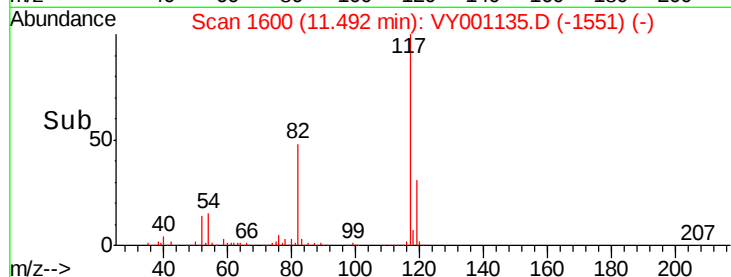
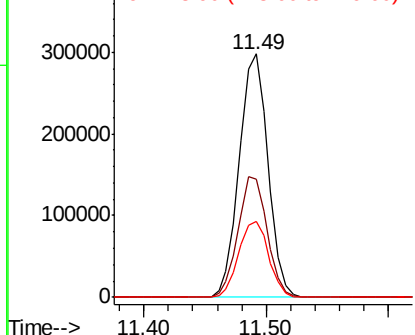


Abundance

Ion 116.90 (116.60 to 117.60): V

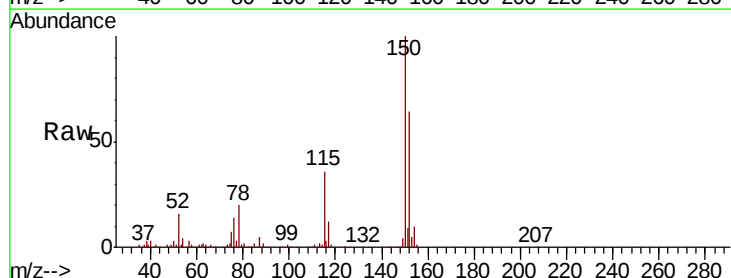
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.7	83.0
150	161.2	0.0	342.6

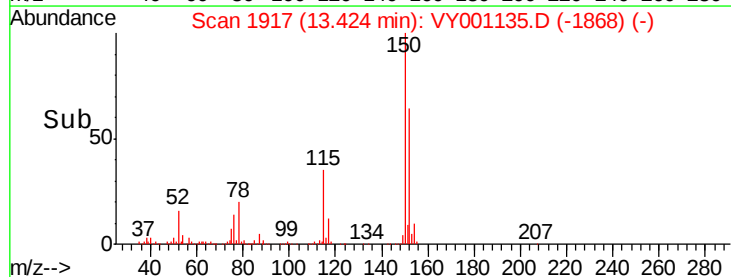
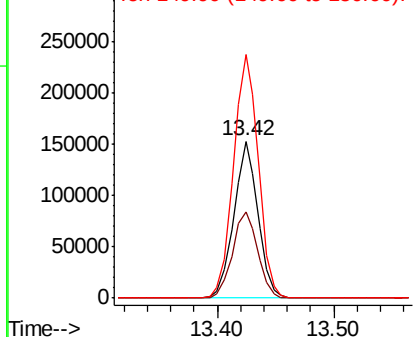


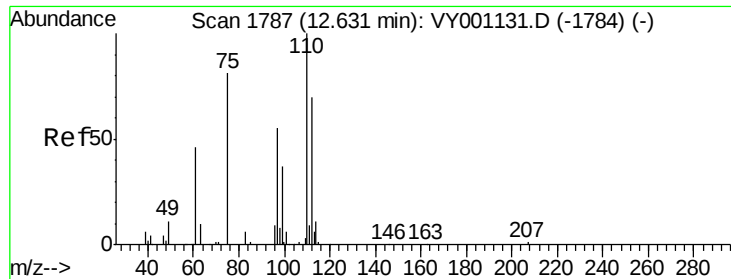
Abundance

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

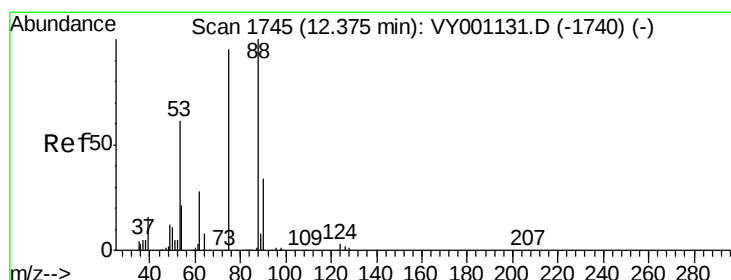
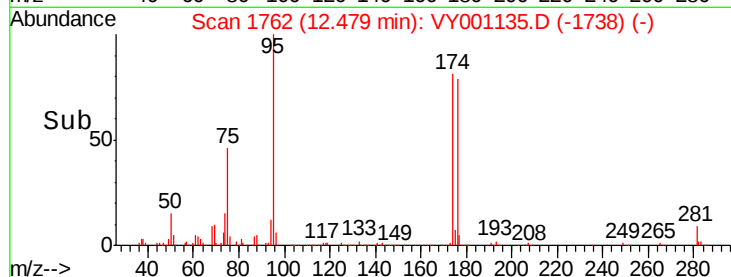
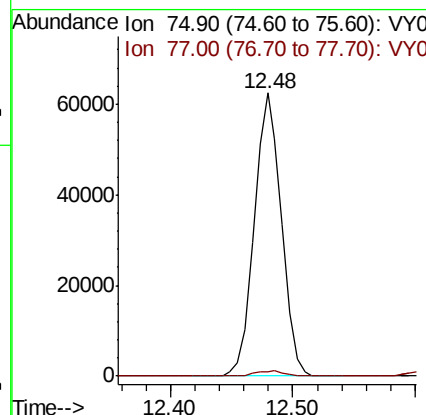
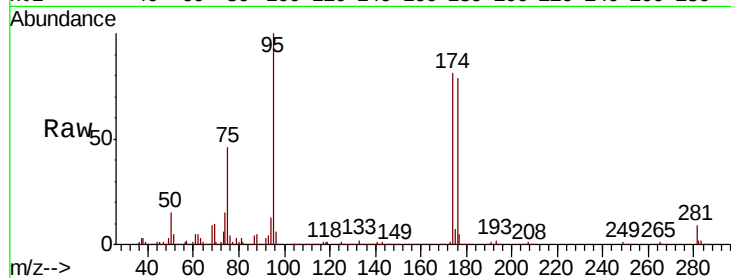




#76
 1,2,3-Trichloropropane
 Concen: 41.858 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

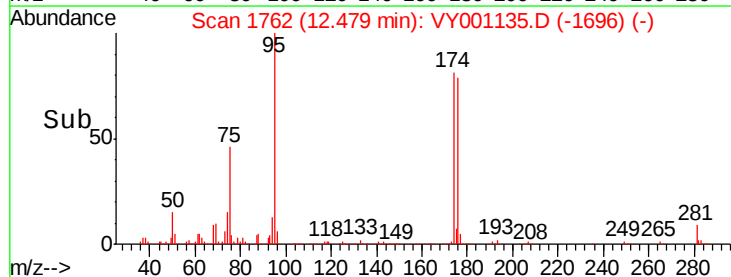
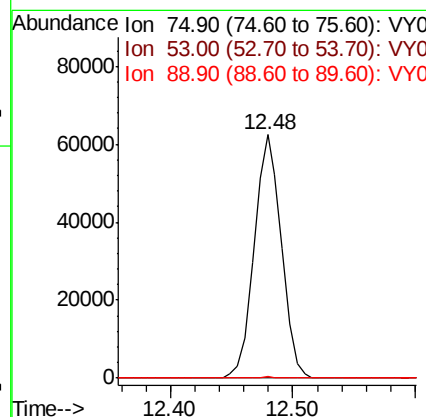
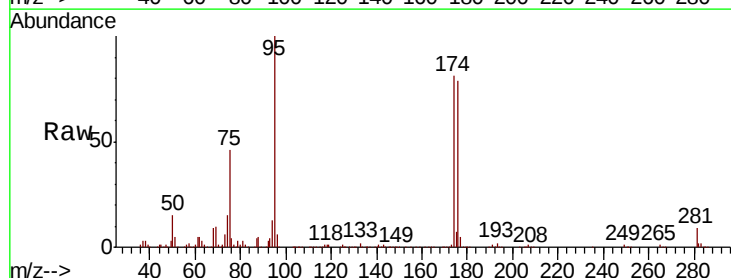
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0102SBL01

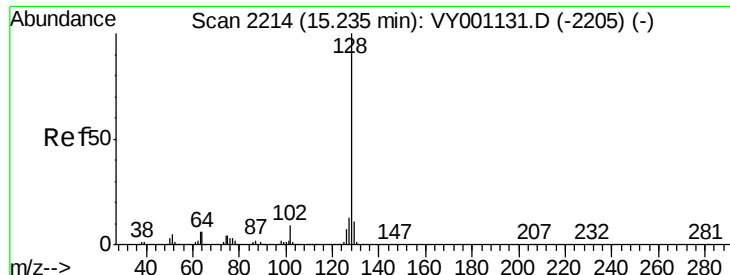
Tot Ion: 75 Resp: 96227
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.772 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001135.D
 Acq: 02 Jan 2020 15:25

Tgt Ion: 75 Resp: 96227
 Ion Ratio Lower Upper
 75 100
 53 0.0 55.6 83.4#
 89 0.2 34.7 52.1#





#95
Naphthalene
Concen: 1.164 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY001135.D
Acq: 02 Jan 2020 15:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0102SBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.1	15.1
129	9.9	8.7	13.1

