

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001468.D
 Acq On : 03 Feb 2020 12:53
 Operator : SY/MD
 Sample : L1346-02
 Misc : 8.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

Quant Time: Feb 03 15:19:51 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	7.83	168	51068	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	123821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.54	117	93979	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.53	152	58987	50.00	ug/l	0.10

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	106706	192.02	ug/l	0.01
Spiked Amount						
						Recovery = 384.04%
35) Dibromofluoromethane	7.75	113	55266	76.05	ug/l	0.00
Spiked Amount						
						Recovery = 152.10%
50) Toluene-d8	10.31	98	5235280	1854.21	ug/l	0.13
Spiked Amount						
						Recovery = 3708.42%
62) 4-Bromofluorobenzene	12.49	95	962236	855.78	ug/l	0.00
Spiked Amount						
						Recovery = 1711.56%

Target Compounds

					Qvalue
3) Chloromethane	2.12	50	2079	3.416 ug/l	97
11) Tert butyl alcohol	4.97	59	522	Below Cal	# 74
13) Acrolein	3.99	56	469240	11991.482 ug/l	# 70
15) Acrylonitrile	5.32	53	2105922	12001.819 ug/l	# 39
16) Acetone	3.99	43	2064788	14538.382 ug/l	# 53
17) Carbon Disulfide	4.23	76	51825	30.391 ug/l	98
18) Methyl Acetate	4.79	43	19916593	42500.912 ug/l	# 51
20) Methylene Chloride	4.65	84	35762	52.312 ug/l	# 15
24) 1,1-Dichloroethane	6.16	63	21785	20.129 ug/l	# 81
26) 2,2-Dichloropropane	6.88	77	273189	283.381 ug/l	# 52
28) Bromochloromethane	7.41	49	1532	3.432 ug/l	# 15
29) Tetrahydrofuran	7.59	42	515624	3276.800 ug/l	# 34
30) Chloroform	7.55	83	4841846	4564.251 ug/l	# 23
31) Cyclohexane	8.05	56	48110774	44772.975 ug/l	# 21
36) 1,1-Dichloropropene	7.87	75	3468	2.965 ug/l	# 47
38) Carbon Tetrachloride	7.84	117	3334	3.198 ug/l	# 16
39) Methylcyclohexane	9.28	83	37294490	24886.767 ug/l	93
41) Methacrylonitrile	7.58	41	7177754	19461.456 ug/l	# 100
42) 1,2-Dichloroethane	8.47	62	125052	127.595 ug/l	# 72
45) 1,2-Dichloropropane	9.25	63	170929	192.772 ug/l	# 1
46) Dibromomethane	9.35	93	284222	597.078 ug/l	# 1
47) Bromodichloromethane	9.59	83	9402757	8262.943 ug/l	# 26
48) Methyl methacrylate	9.32	41	32876282	52036.994 ug/l	# 12
49) 1,4-Dioxane	9.33	88	463	68.972 ug/l	# 23
51) 4-Methyl-2-Pentanone	10.25	43	1008562	1409.194 ug/l	# 36
52) Toluene	10.35	92	123038	55.337 ug/l	# 22
53) t-1,3-Dichloropropene	10.43	75	4419	3.504 ug/l	# 1
55) 1,1,2-Trichloroethane	10.64	97	19774522	28144.746 ug/l	# 22
56) Ethyl methacrylate	10.53	69	1577166	1485.194 ug/l	# 50
57) 1,3-Dichloropropane	10.69	76	53545	43.749 ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.77	63	109857	298.960 ug/l	# 47
59) 2-Hexanone	10.80	43	11062273	22202.239 ug/l	# 24
60) Dibromochloromethane	10.98	129	77012	98.002 ug/l	# 11
61) 1,2-Dibromoethane	11.14	107	103001	155.074 ug/l	# 1

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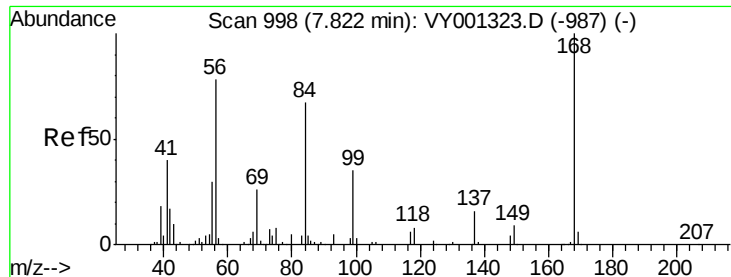
Instrument :
 MSVOA_Y
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

65) Chlorobenzene	11.49	112	102696	51.842	ug/l #	43
67) Ethyl Benzene	11.64	91	2278019	624.003	ug/l	97
68) m/p-Xylenes	11.75	106	350860	257.327	ug/l	97
69) o-Xylene	11.99	106	4521	3.447	ug/l #	1
70) Styrene	12.21	104	3757	1.633	ug/l #	1
73) Isopropylbenzene	12.35	105	6810689	1463.230	ug/l	99
74) N-amyl acetate	12.15	43	4065807	2668.561	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.58	83	259707	260.531	ug/l #	38
76) 1,2,3-Trichloropropane	12.69	75	162721	228.927	ug/l #	100
77) Bromobenzene	12.60	156	6298	6.109	ug/l #	1
78) n-propylbenzene	12.69	91	18227096	3253.419	ug/l	89
79) 2-Chlorotoluene	12.78	91	752082	234.984	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.78	105	6190978	1593.444	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.35	75	99240	264.212	ug/l #	4
82) 4-Chlorotoluene	12.78	91	752082	219.987	ug/l #	42
83) tert-Butylbenzene	13.09	119	38600	11.786	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.13	105	3570258	915.285	ug/l	100
85) sec-Butylbenzene	13.27	105	3249940	698.450	ug/l #	49
86) p-Isopropyltoluene	13.38	119	936681	228.433	ug/l	94
89) n-Butylbenzene	13.70	91	4448710	1078.008	ug/l #	68
90) Hexachloroethane	13.98	117	984662	1266.849	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.34	75	25387	147.588	ug/l #	1
95) Naphthalene	15.24	128	222740	79.263	ug/l #	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

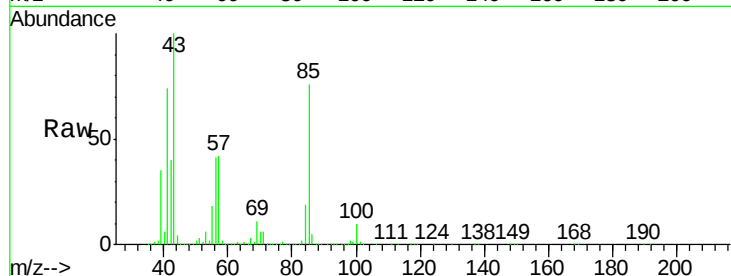
PD-2-(28-29)

Tot Ion:168 Resp: 51068

Ion Ratio Lower Upper

168 100

99 47.4 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001468.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001468.D (-949) (-)

30000

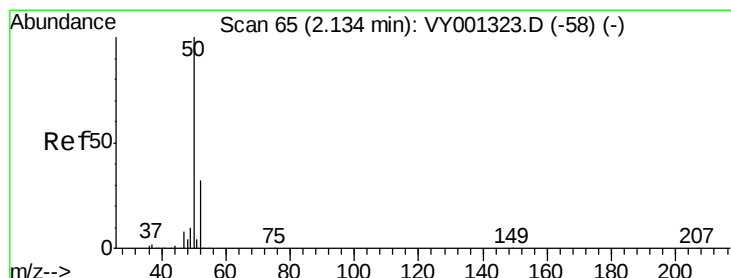
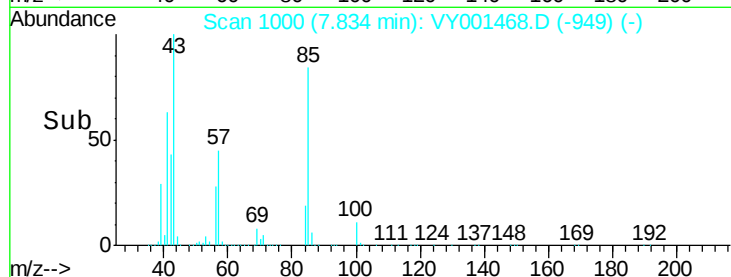
20000

10000

0

7.70 7.80 7.90 8.00 8.10

Time-->



#3

Chloromethane

Concen: 3.416 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001468.D

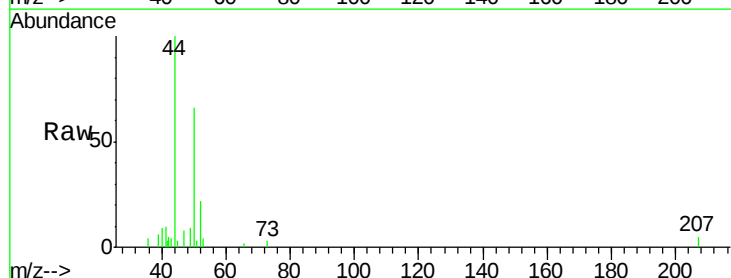
Acq: 03 Feb 2020 12:53

Tgt Ion: 50 Resp: 2079

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VY001468.D (-16) (-)

Ion 51.90 (51.60 to 52.60): VY001468.D (-16) (-)

1500

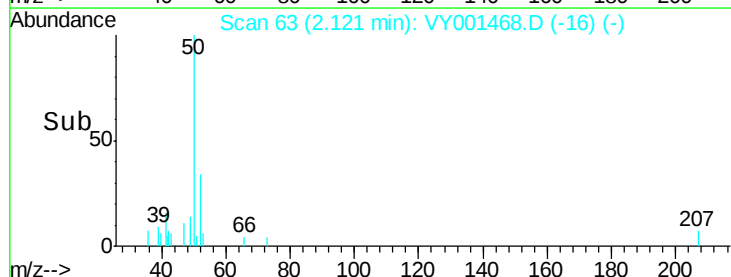
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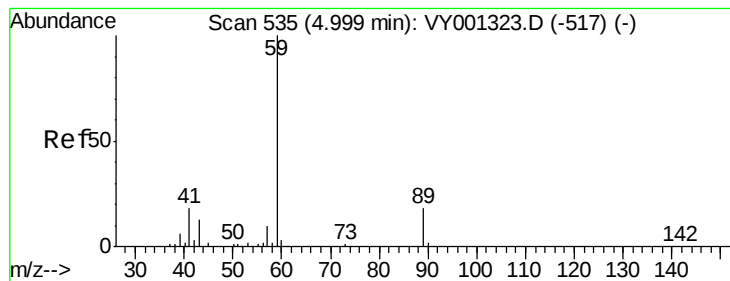
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0

2.05 2.10 2.15 2.20

Time-->



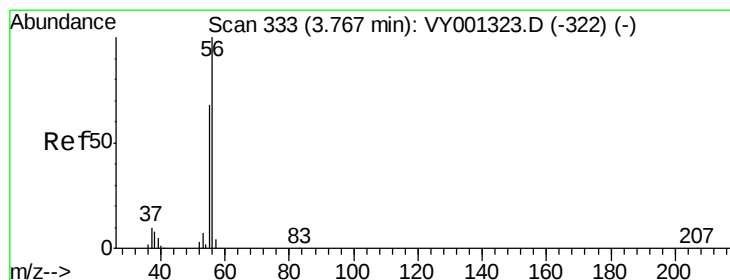
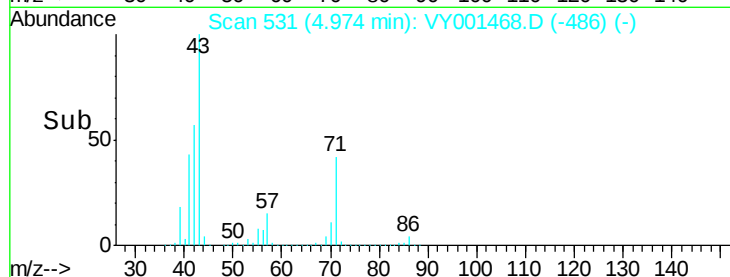
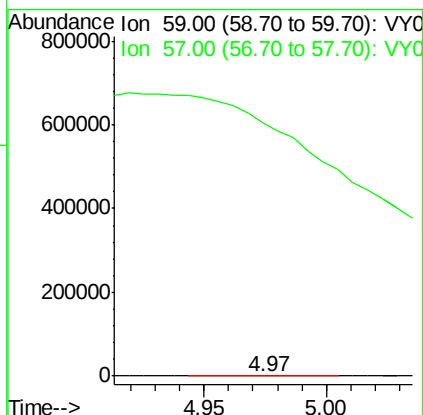
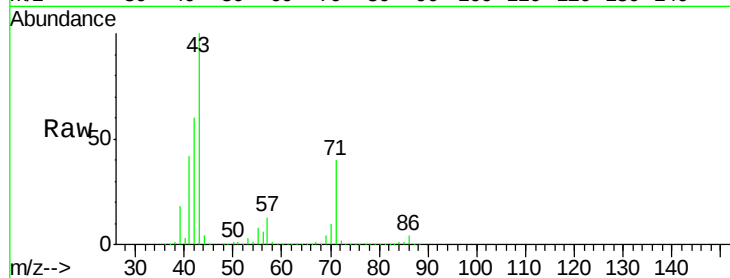


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Instrument :
 MSVOA_Y
 ClientSampled :
 PD-2-(28-29)

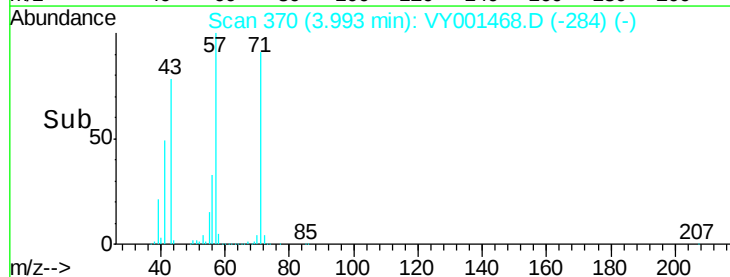
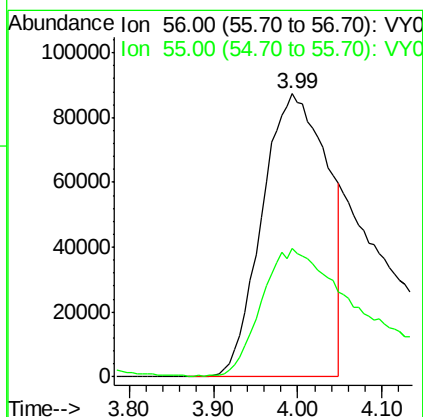
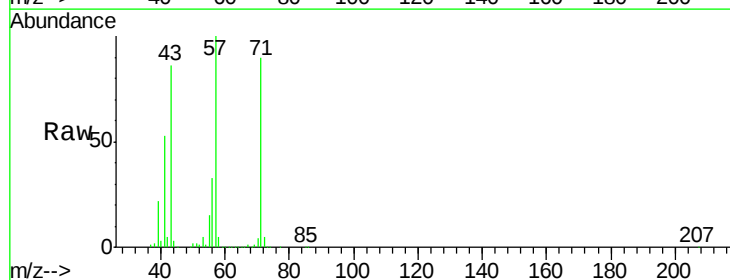
Tot Ion: 59 Resp: 522
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

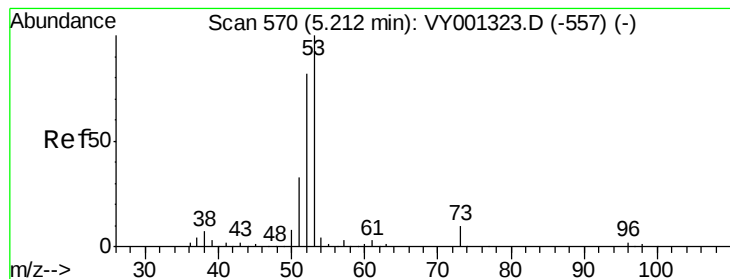


#13

Acrolein
 Concen: 11991.482 ug/l
 RT: 3.99 min Scan# 370
 Delta R.T. 0.23 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion: 56 Resp: 469240
 Ion Ratio Lower Upper
 56 100
 55 45.1 55.9 83.9#





#15

Acrylonitrile

Concen: 12001.819 ug/l

RT: 5.32 min Scan# 588

Delta R.T. 0.11 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

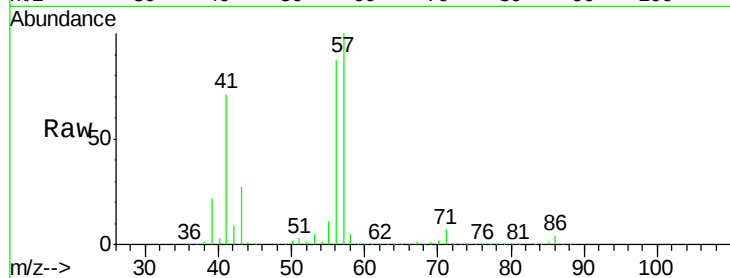
Tot Ion: 53 Resp: 2105922

Ion Ratio Lower Upper

53 100

52 19.6 65.3 97.9#

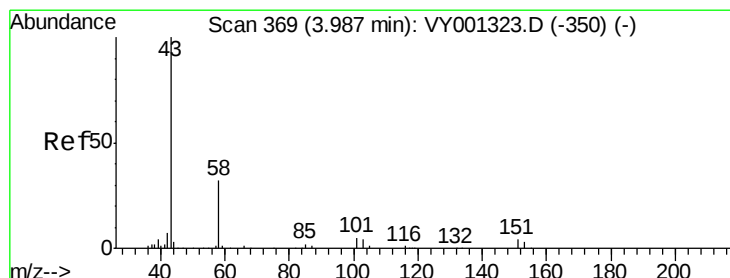
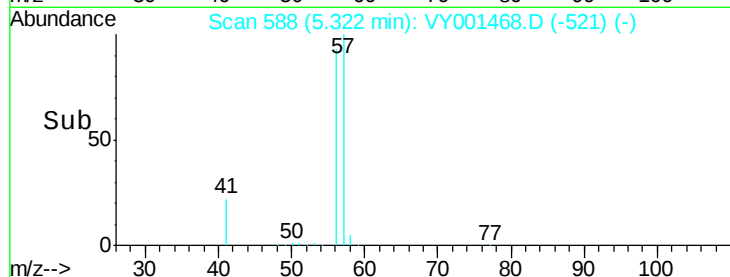
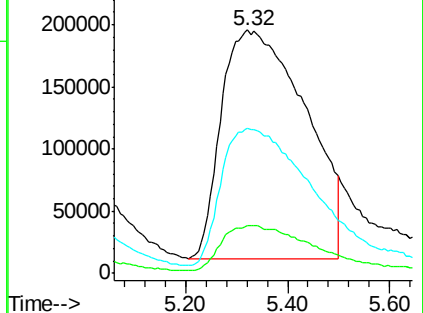
51 59.2 28.4 42.6#



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: 14538.382 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.01 min

Lab File: VY001468.D

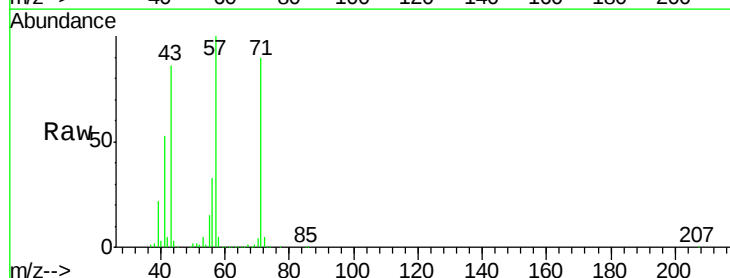
Acq: 03 Feb 2020 12:53

Tgt Ion: 43 Resp: 2064788

Ion Ratio Lower Upper

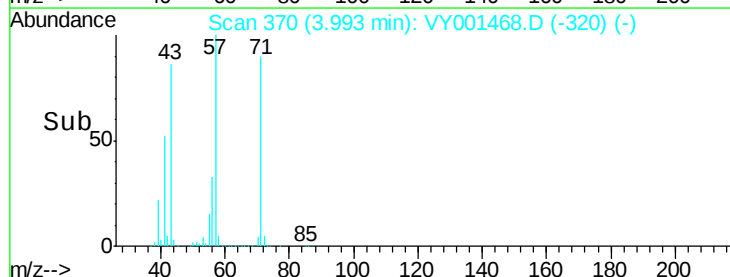
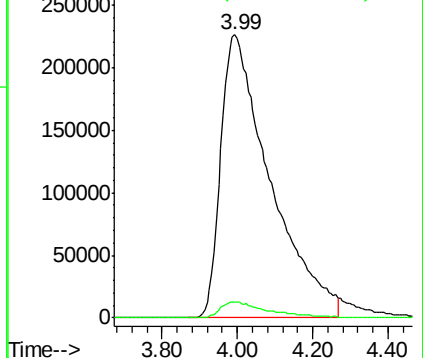
43 100

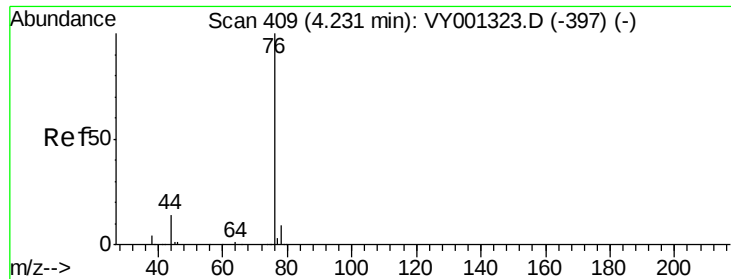
58 5.8 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

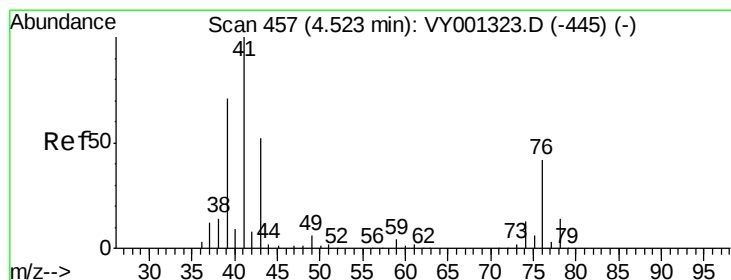
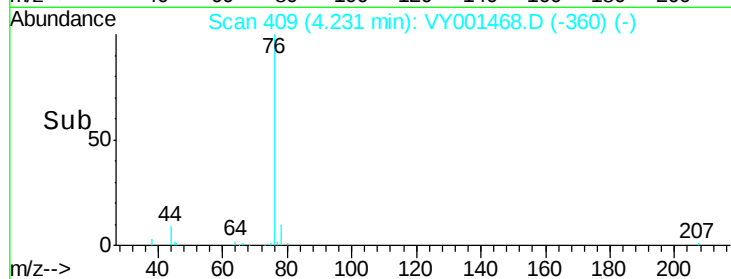
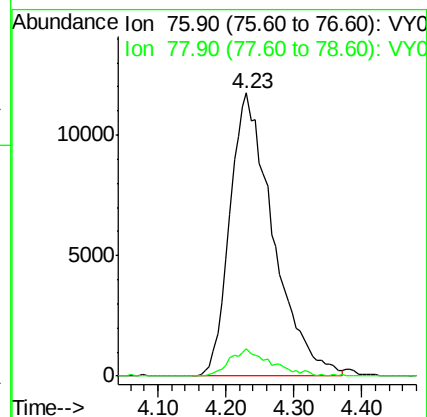
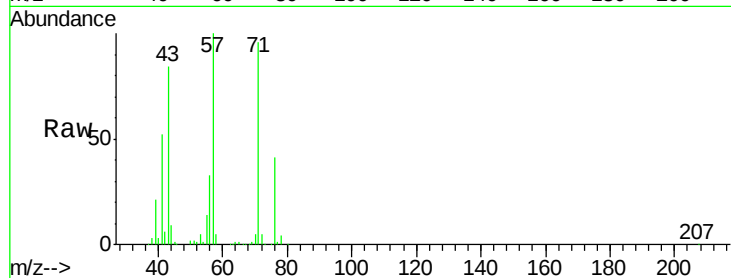




#17
Carbon Disulfide
Concen: 30.391 ug/l
RT: 4.23 min Scan# 409
Delta R.T. -0.00 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

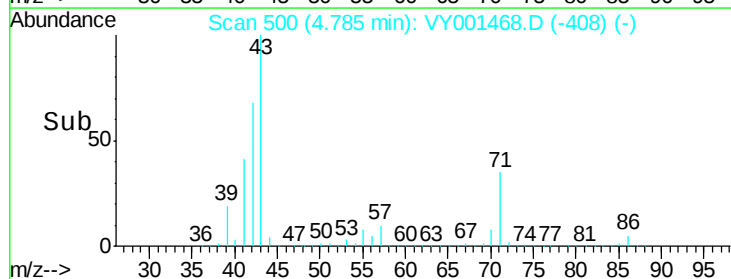
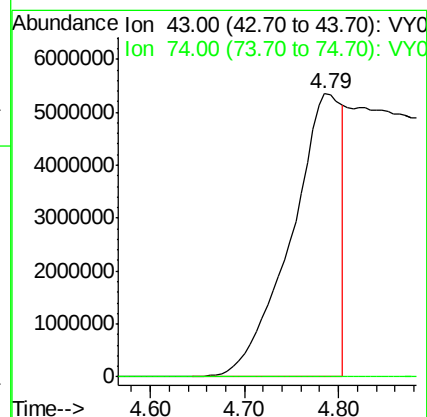
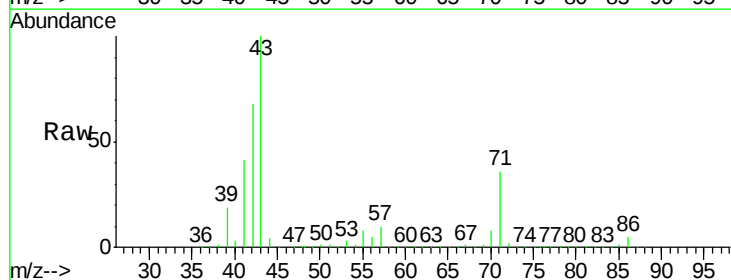
Instrument :
MSVOA_Y
ClientSampled :
PD-2-(28-29)

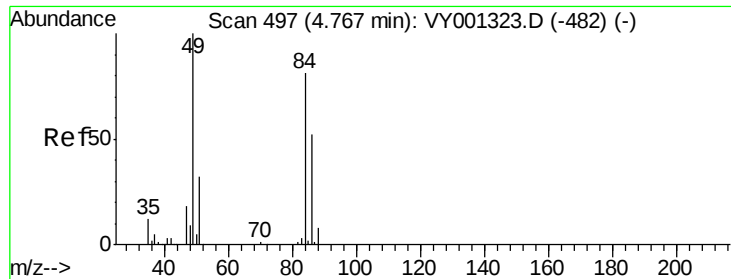
Tot Ion: 76 Resp: 51825
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 42500.912 ug/l
RT: 4.79 min Scan# 500
Delta R.T. 0.26 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion: 43 Resp:19916593
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

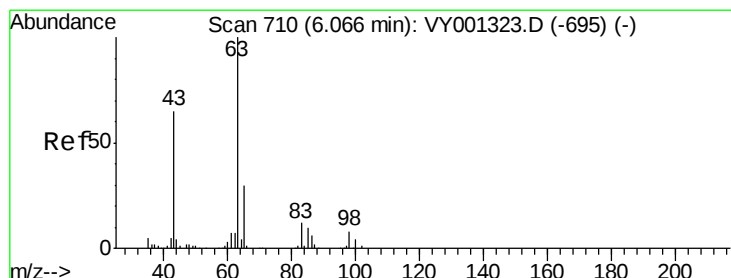
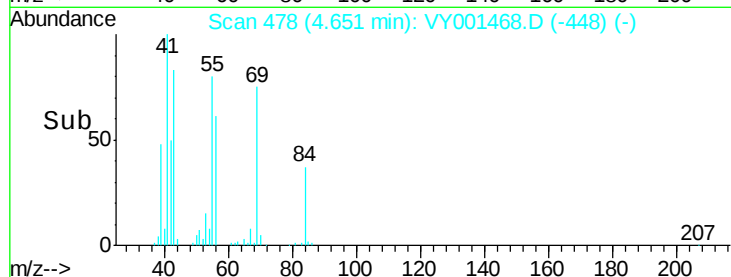
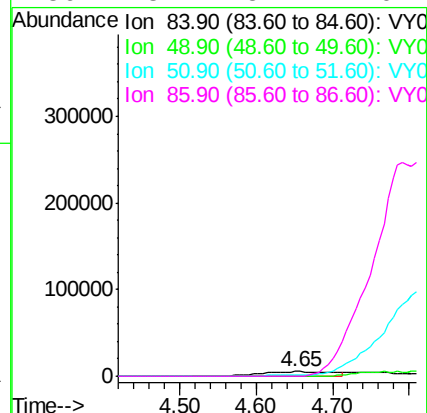
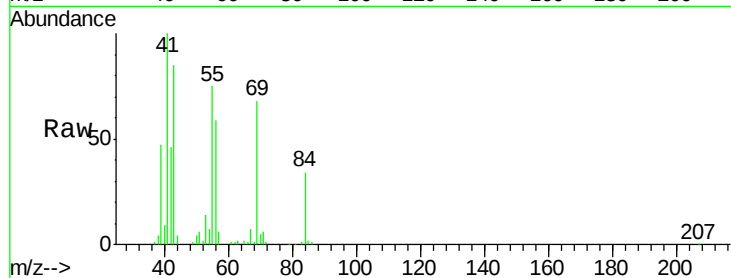




#20
Methvlene Chloride
Concen: 52.312 ug/l
RT: 4.65 min Scan# 478
Delta R.T. -0.12 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

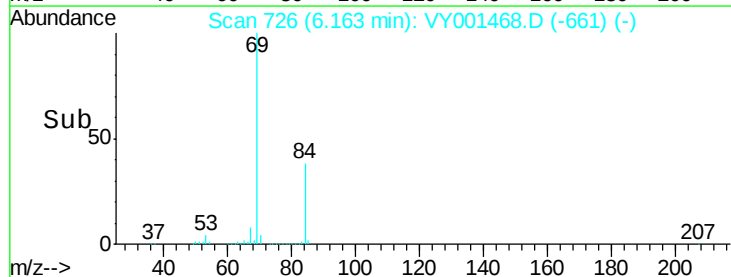
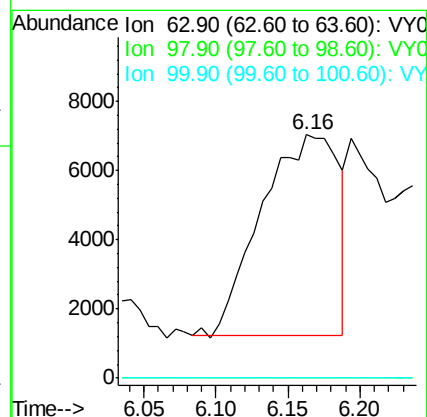
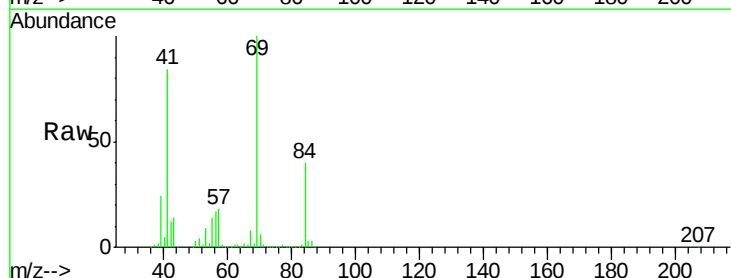
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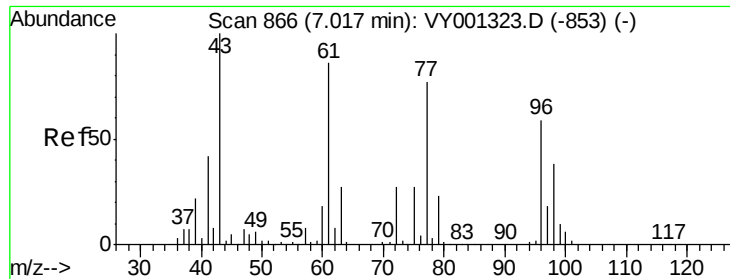
Tot Ion: 84 Resp: 35762
Ion Ratio Lower Upper
84 100
49 3.4 98.3 147.5#
51 18.1 31.6 47.4#
86 3.7 51.1 76.7#



#24
1,1-Dichloroethane
Concen: 20.129 ug/l
RT: 6.16 min Scan# 726
Delta R.T. 0.10 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion: 63 Resp: 21785
Ion Ratio Lower Upper
63 100
98 0.0 4.0 12.0#
100 0.0 2.1 6.3#

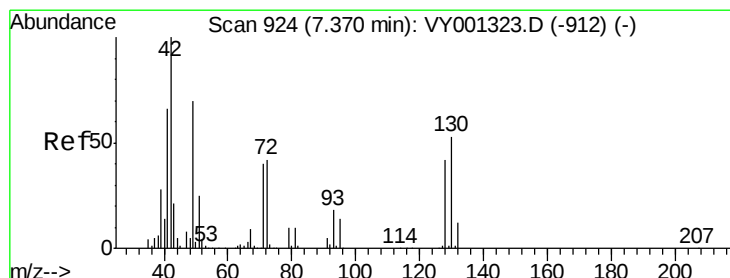
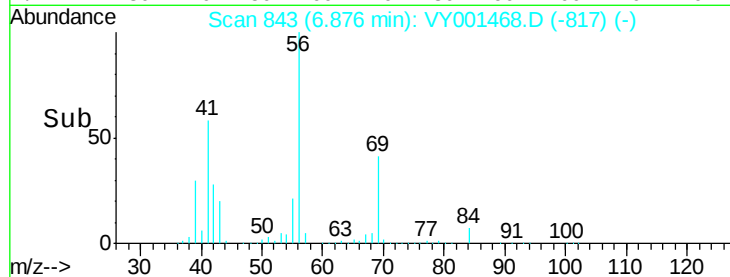
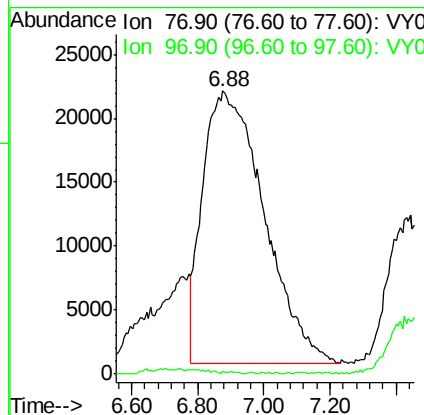
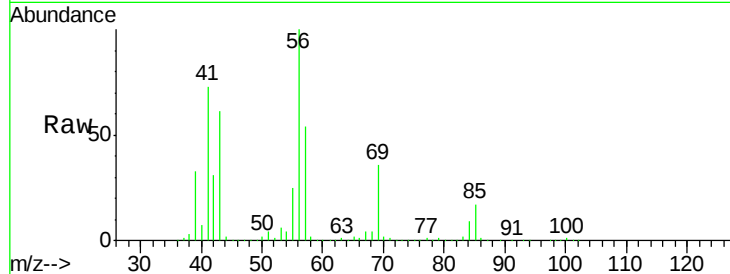




#26
 2,2-Dichloropropane
 Concen: 283.381 ug/l
 RT: 6.88 min Scan# 843
 Delta R.T. -0.14 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

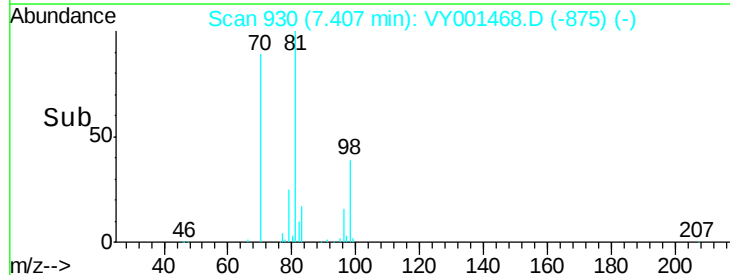
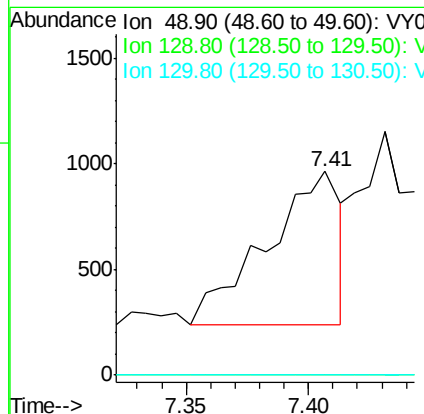
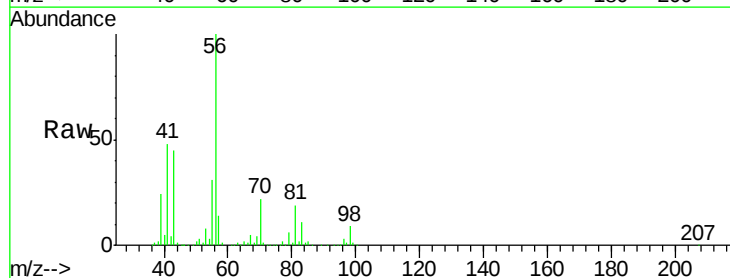
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 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

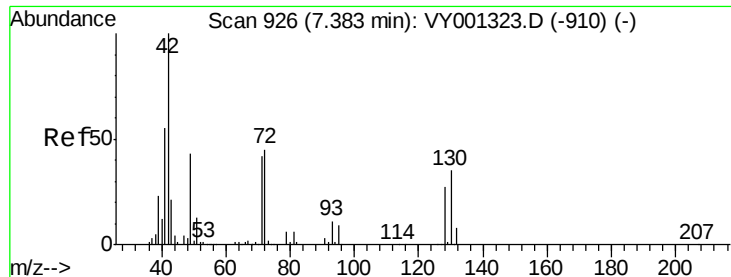
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 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.5#



#28
 Bromochloromethane
 Concen: 3.432 ug/l
 RT: 7.41 min Scan# 930
 Delta R.T. 0.04 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion: 49 Resp: 1532
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 58.9 88.3#





#29

Tetrahydrofuran

Concen: 3276.800 ug/l

RT: 7.59 min Scan# 960

Delta R.T. 0.21 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

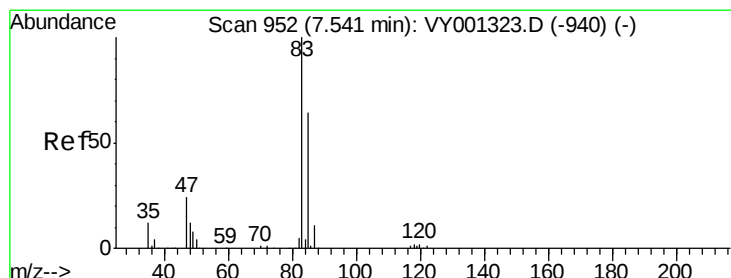
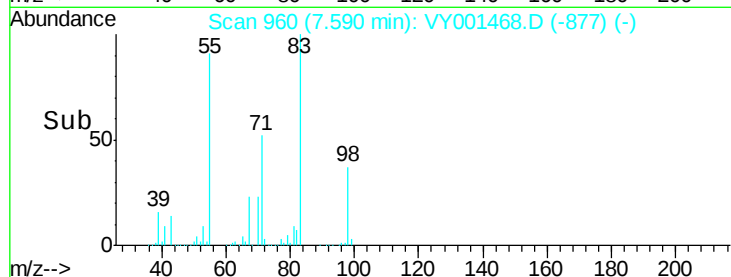
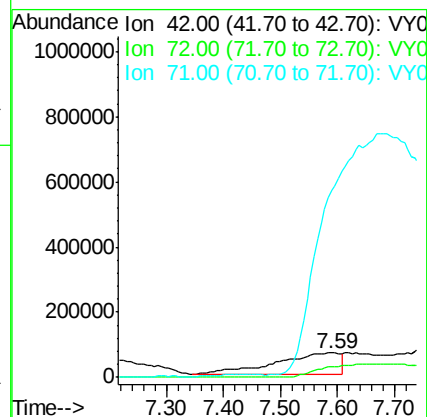
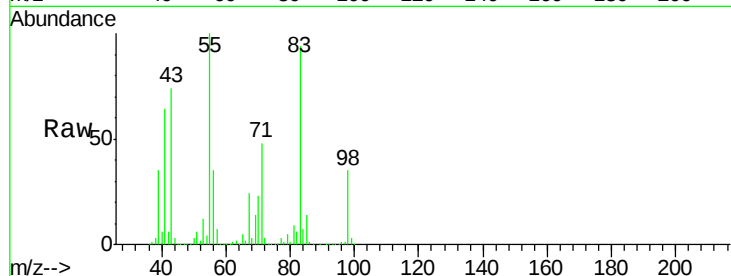
Tot Ion: 42 Resp: 515624

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.6 48.8#



#30

Chloroform

Concen: 4564.251 ug/l

RT: 7.55 min Scan# 953

Delta R.T. 0.01 min

Lab File: VY001468.D

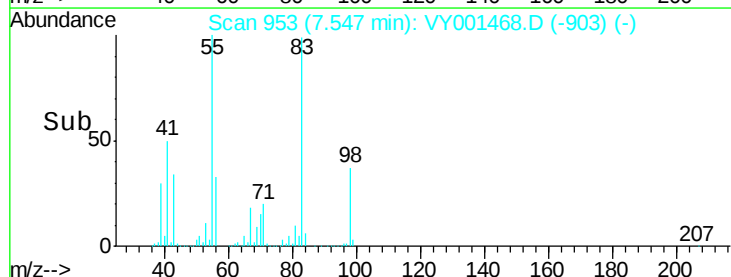
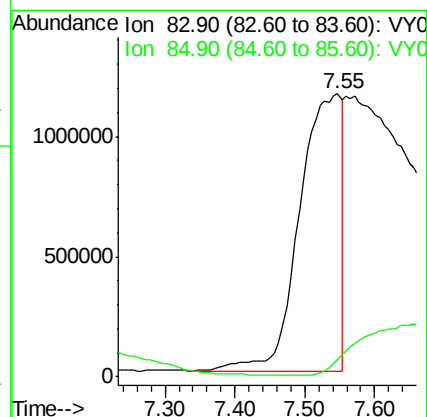
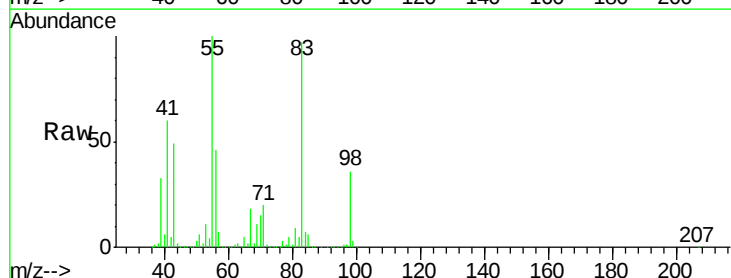
Acq: 03 Feb 2020 12:53

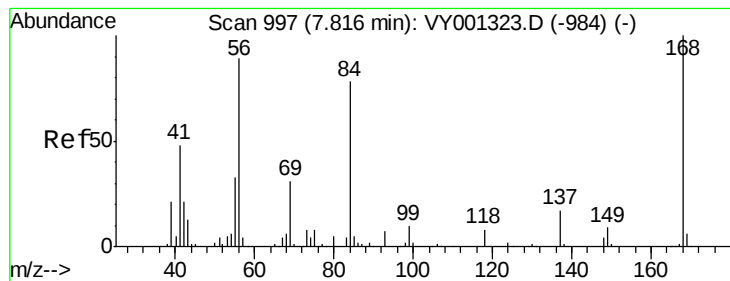
Tgt Ion: 83 Resp: 4841846

Ion Ratio Lower Upper

83 100

85 4.2 51.5 77.3#





#31

Cyclohexane

Concen: 44772.975 ug/l

RT: 8.05 min Scan# 1036

Delta R.T. 0.24 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

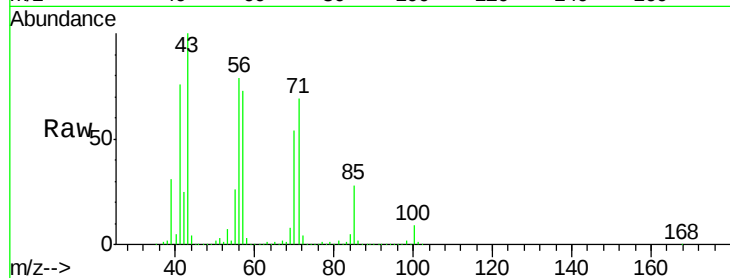
Tot Ion: 56 Resp: 48110774

Ion Ratio Lower Upper

56 100

69 1.9 27.6 41.4#

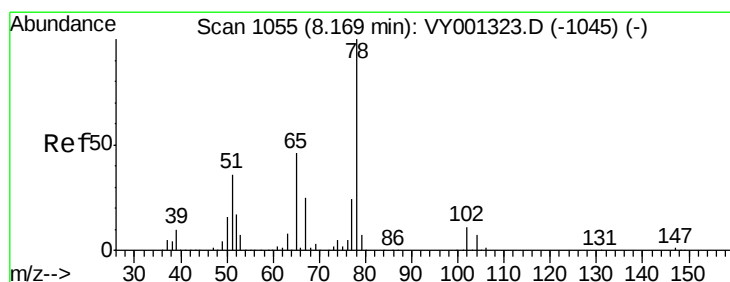
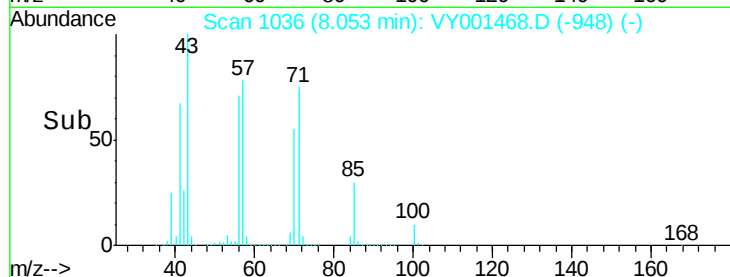
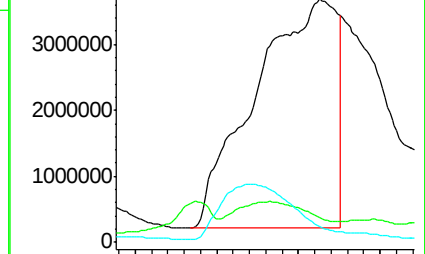
84 5.9 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VY001468.D (-1036) (-)

Ion 69.00 (68.70 to 69.70): VY001468.D (-1036) (-)

Ion 84.00 (83.70 to 84.70): VY001468.D (-1036) (-)



#33

1,2-Dichloroethane-d4

Concen: 192.024 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY001468.D

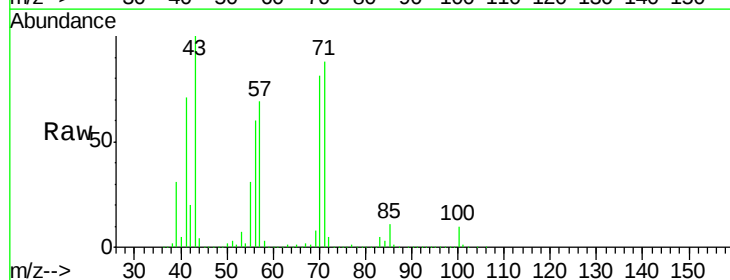
Acq: 03 Feb 2020 12:53

Tgt Ion: 65 Resp: 106706

Ion Ratio Lower Upper

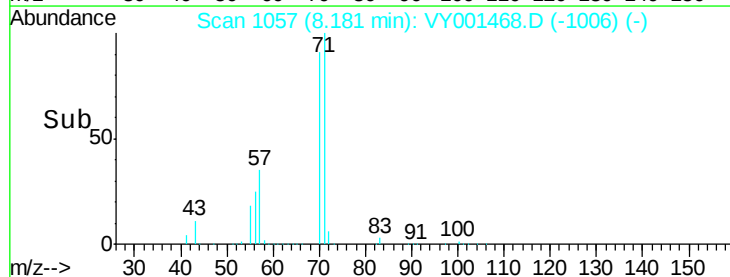
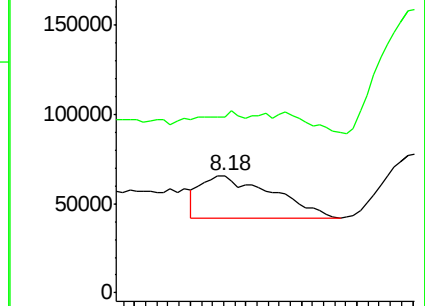
65 100

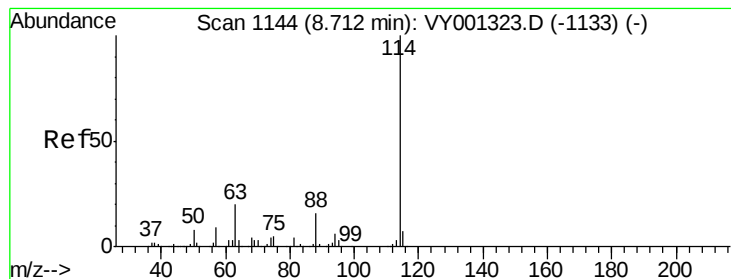
67 8.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001468.D (-1055) (-)

Ion 66.90 (66.60 to 67.60): VY001468.D (-1055) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

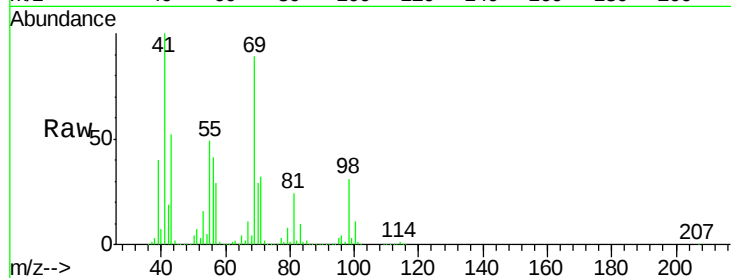
Tot Ion:114 Resp: 123821

Ion Ratio Lower Upper

114 100

63 96.9 0.0 40.8#

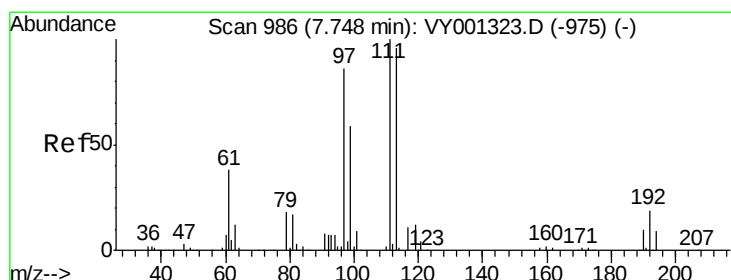
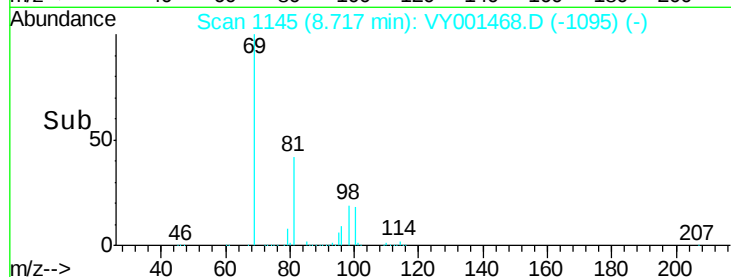
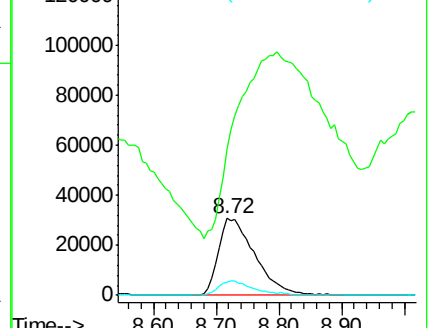
88 17.9 0.0 31.0



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: 76.048 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

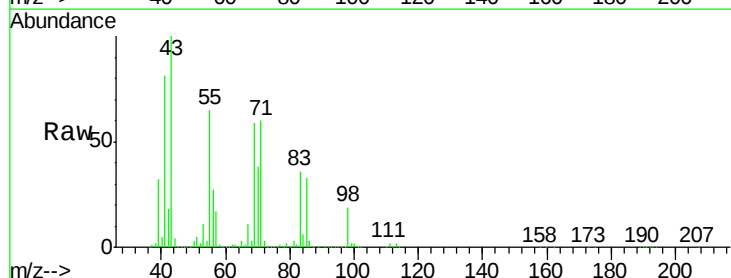
Tgt Ion:113 Resp: 55266

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

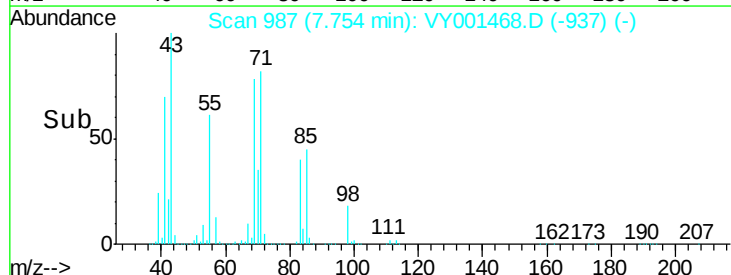
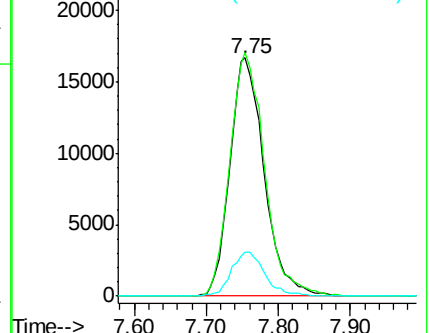
192 17.9 15.5 23.3

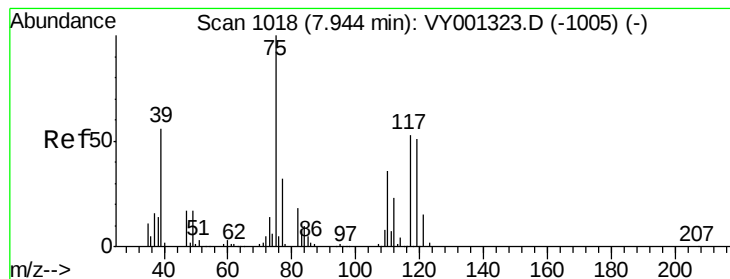


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 2.965 ug/l

RT: 7.87 min Scan# 1006

Delta R.T. -0.07 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

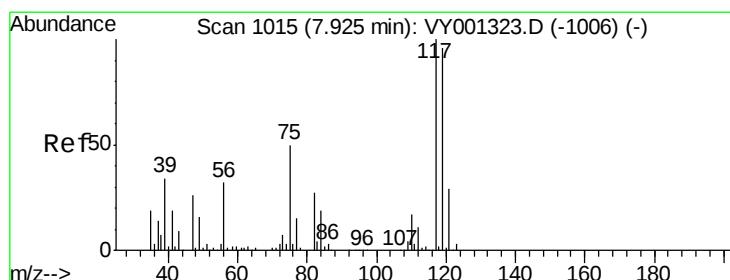
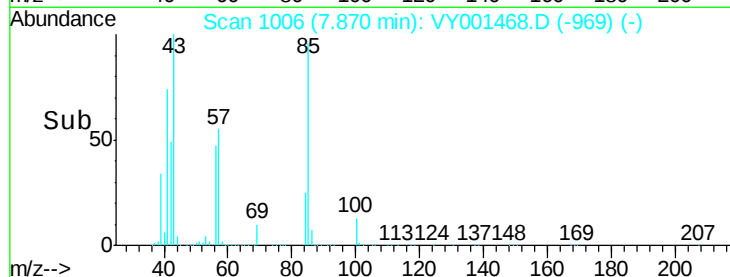
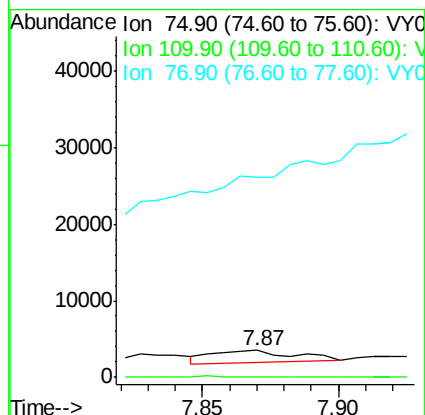
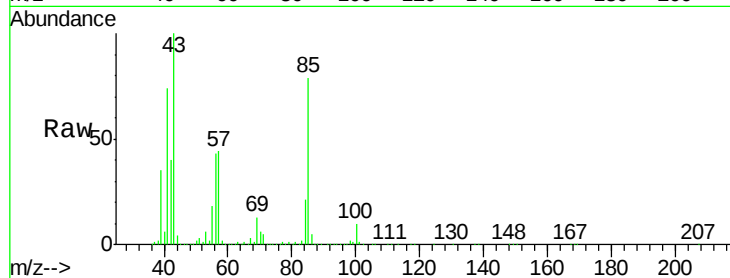
Tot Ion: 75 Resp: 3468

Ion Ratio Lower Upper

75 100

110 6.6 17.6 52.8#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 3.198 ug/l

RT: 7.84 min Scan# 1001

Delta R.T. -0.09 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

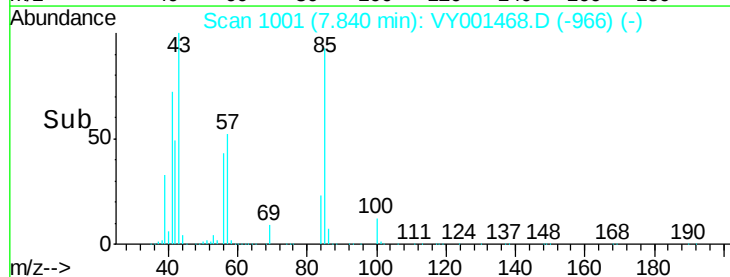
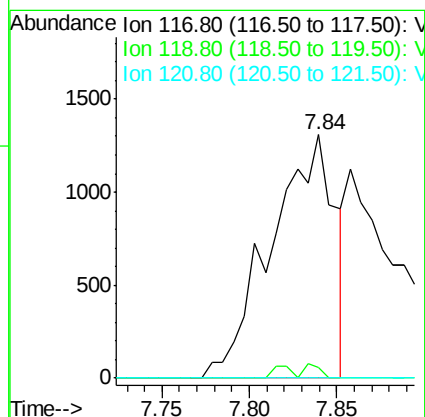
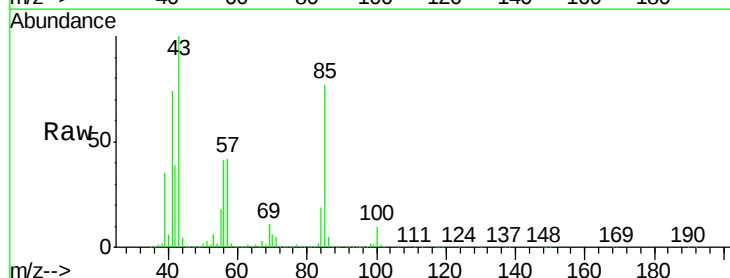
Tgt Ion: 117 Resp: 3334

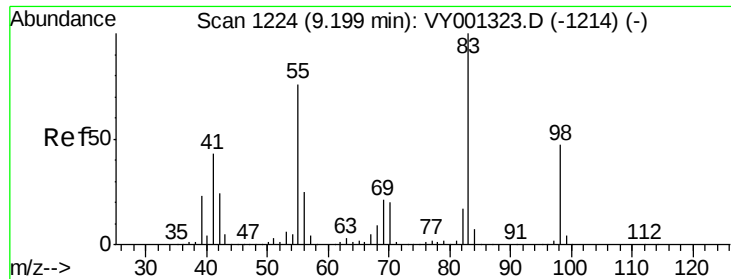
Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

121 0.0 23.5 35.3#

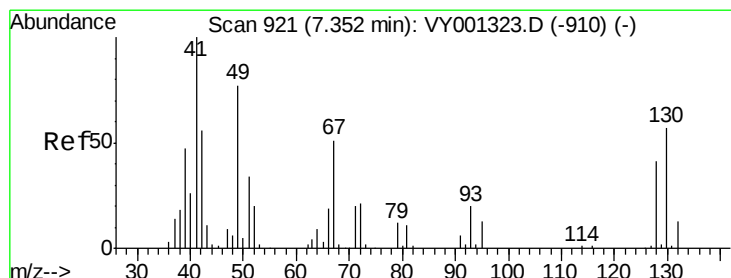
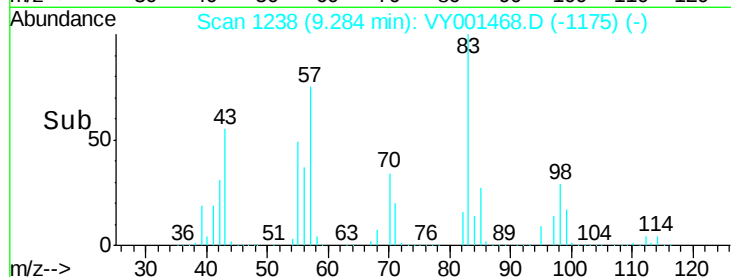
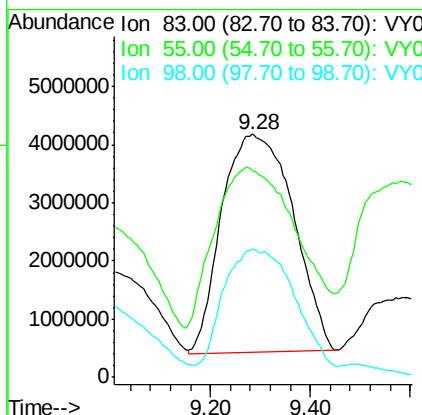
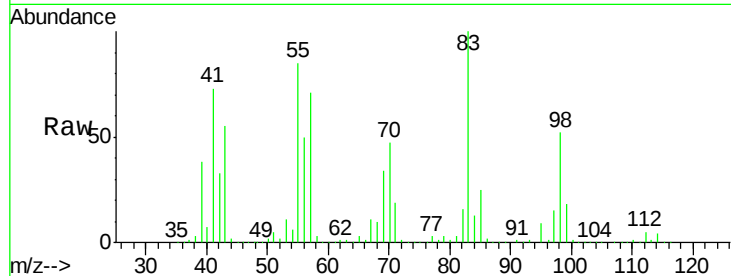




#39
Methylcyclohexane
Concen: 24886.767 ug/l
RT: 9.28 min Scan# 1238
Delta R.T. 0.09 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

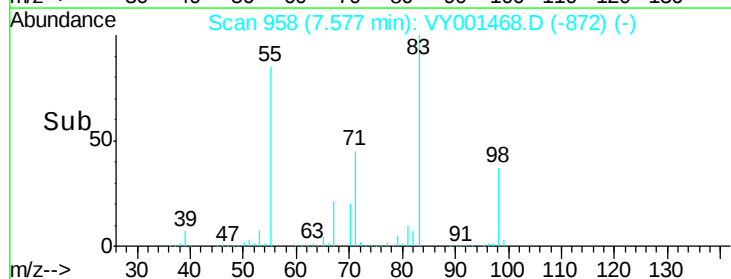
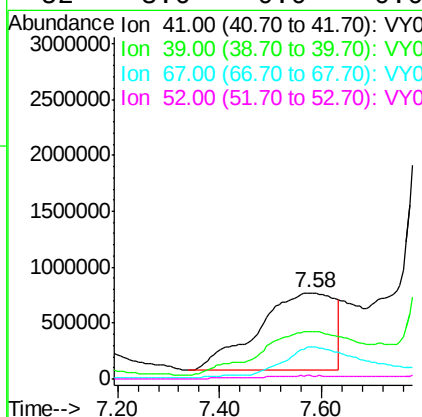
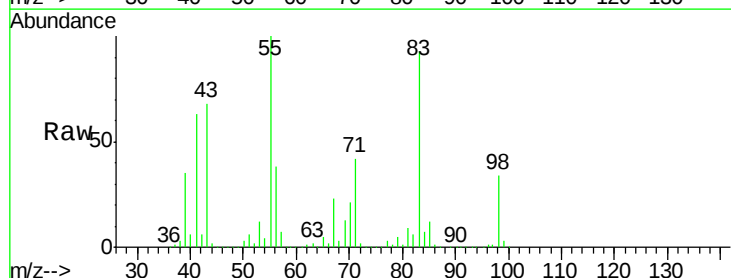
Instrument :
MSVOA_Y
ClientSampled :
PD-2-(28-29)

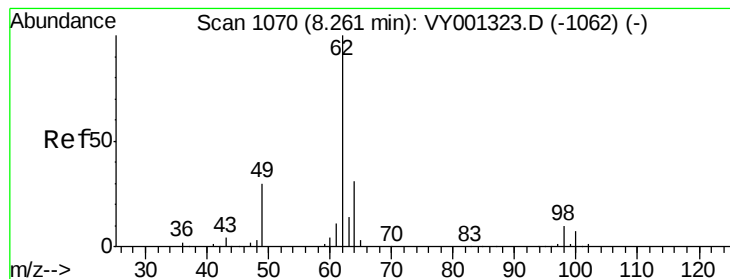
Tot Ion: 83 Resp: 37294490
Ion Ratio Lower Upper
83 100
55 71.3 60.7 91.1
98 53.8 37.8 56.8



#41
Methacrylonitrile
Concen: 19461.456 ug/l
RT: 7.58 min Scan# 958
Delta R.T. 0.23 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion: 41 Resp: 7177754
Ion Ratio Lower Upper
41 100
39 55.2 0.0 0.0#
67 29.0 0.0 0.0#
52 3.6 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 127.595 ug/l

RT: 8.47 min Scan# 1104

Delta R.T. 0.21 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

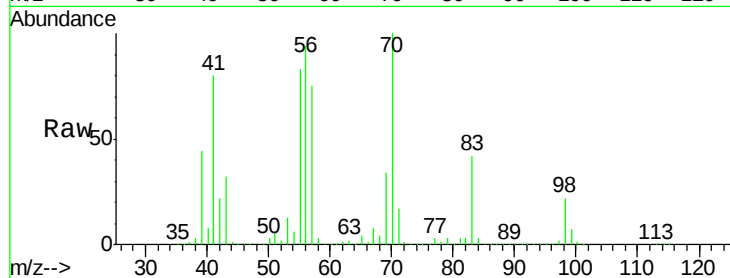
PD-2-(28-29)

Tot Ion: 62 Resp: 125052

Ion Ratio Lower Upper

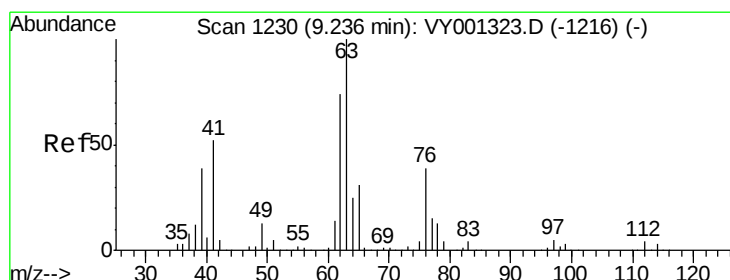
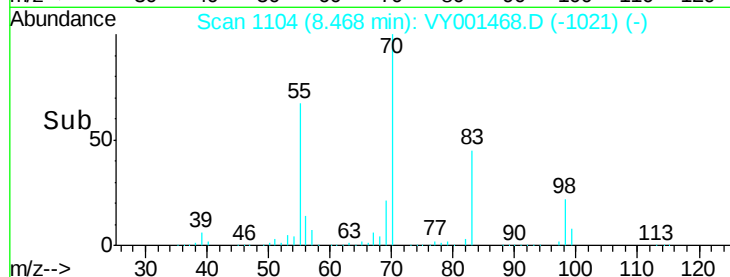
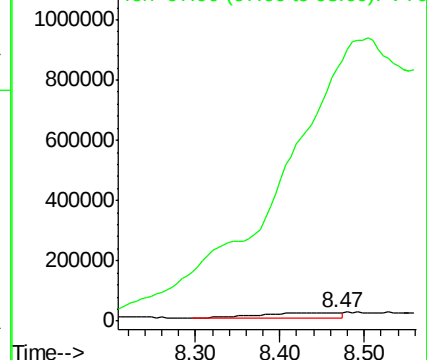
62 100

98 0.0 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#45

1,2-Dichloropropane

Concen: 192.772 ug/l

RT: 9.25 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VY001468.D

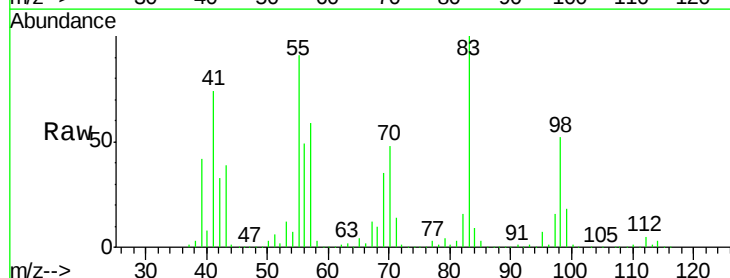
Acq: 03 Feb 2020 12:53

Tgt Ion: 63 Resp: 170929

Ion Ratio Lower Upper

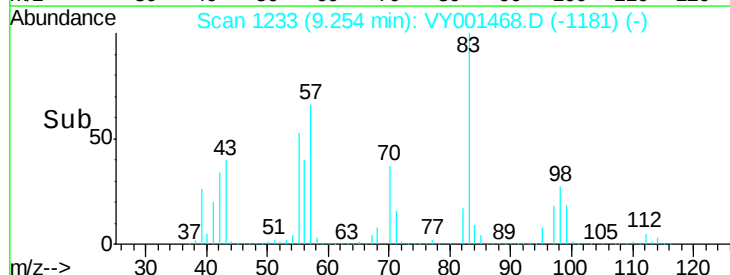
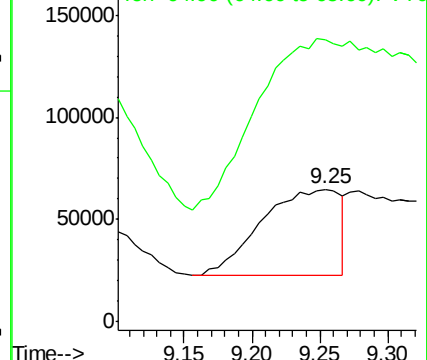
63 100

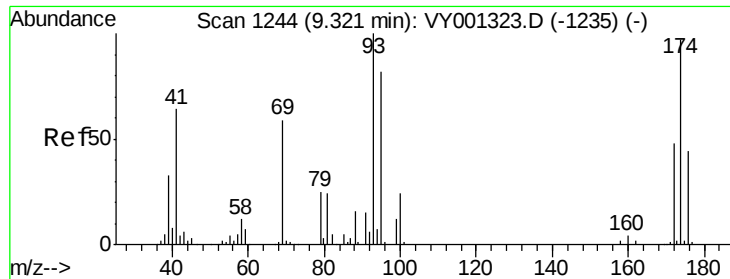
65 197.4 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0





#46

Dibromomethane

Concen: 597.078 ug/l

RT: 9.35 min Scan# 1249

Delta R.T. 0.03 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

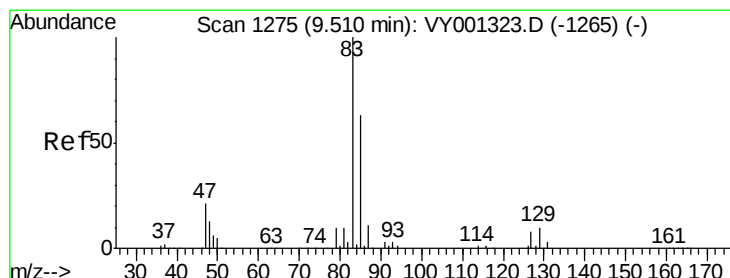
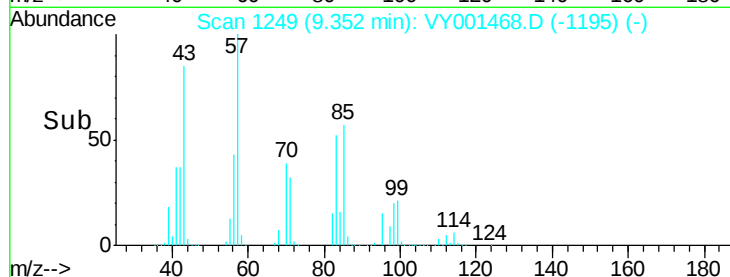
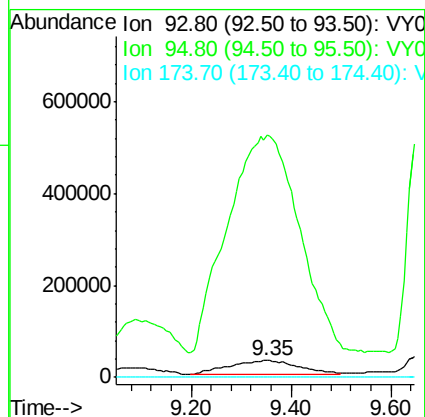
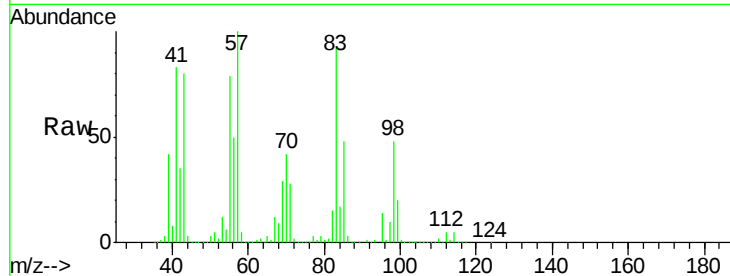
Tot Ion: 93 Resp: 284222

Ion Ratio Lower Upper

93 100

95 1667.5 66.5 99.7#

174 0.0 77.9 116.9#



#47

Bromodichloromethane

Concen: 8262.943 ug/l

RT: 9.59 min Scan# 1288

Delta R.T. 0.08 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

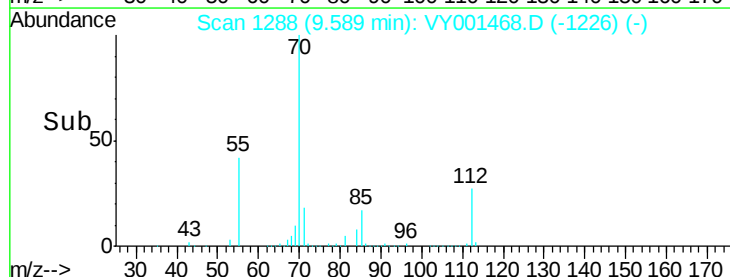
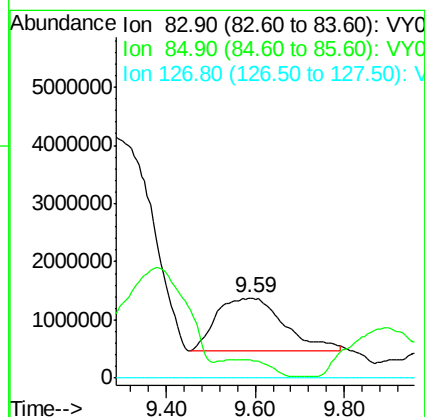
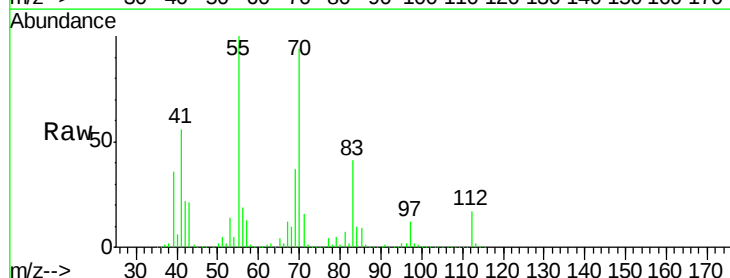
Tgt Ion: 83 Resp: 9402757

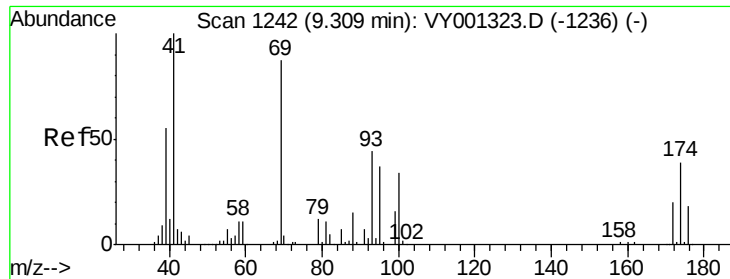
Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

127 0.0 6.4 9.6#

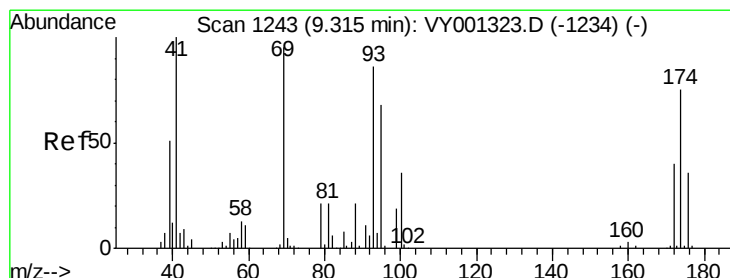
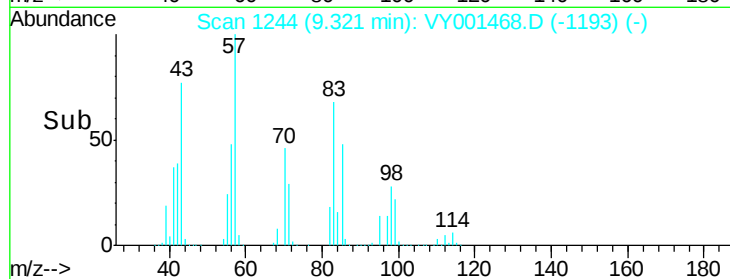
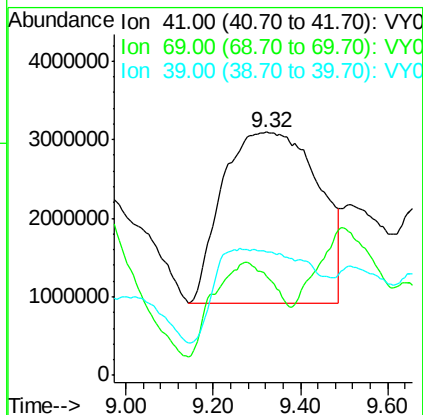
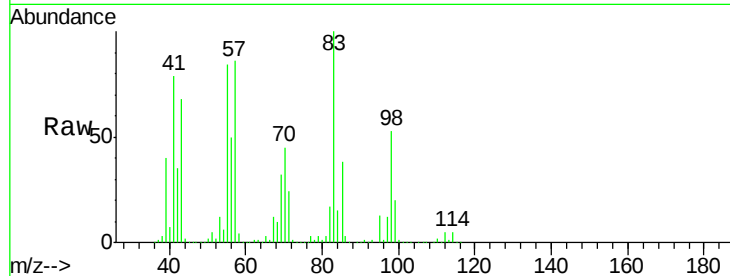




#48
Methvl methacrylate
Concen: 52036.994 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

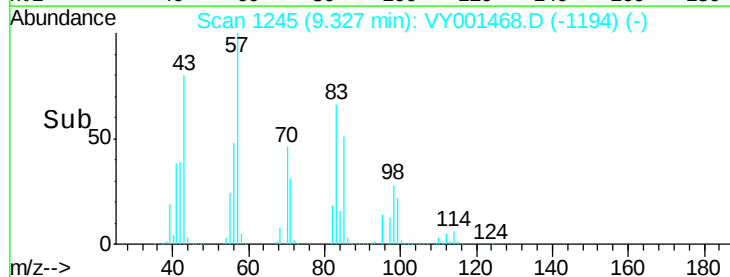
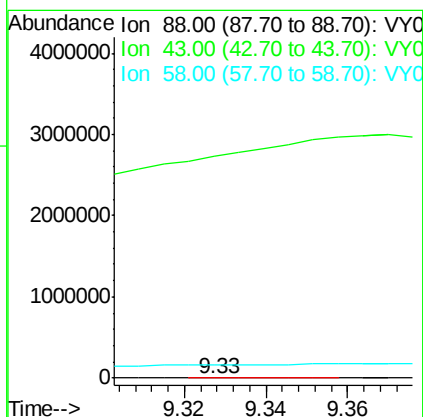
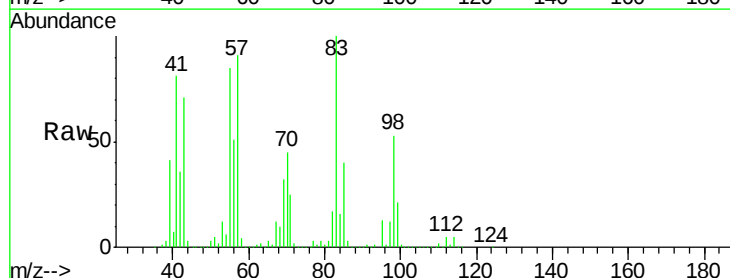
Instrument :
MSVOA_Y
ClientSampleId :
PD-2-(28-29)

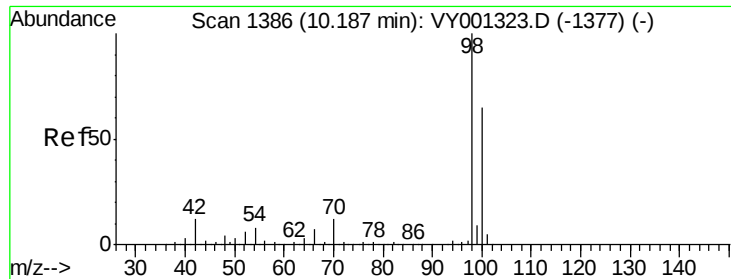
Tot Ion: 41 Resp: 32876282
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 0.0 45.7 68.5#



#49
1,4-Dioxane
Concen: 68.972 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion: 88 Resp: 463
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.2#
58 0.0 55.6 83.4#

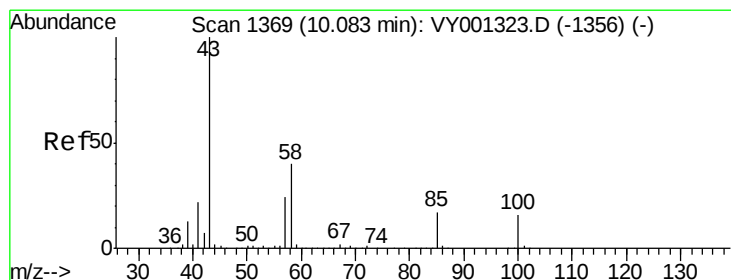
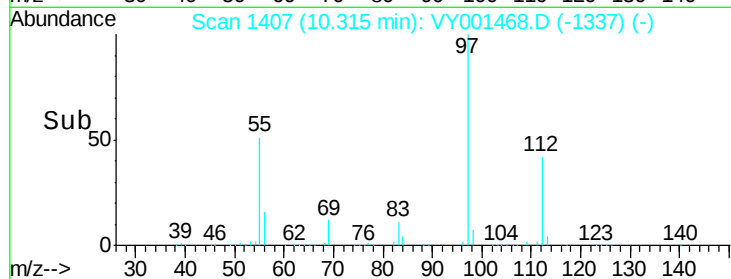
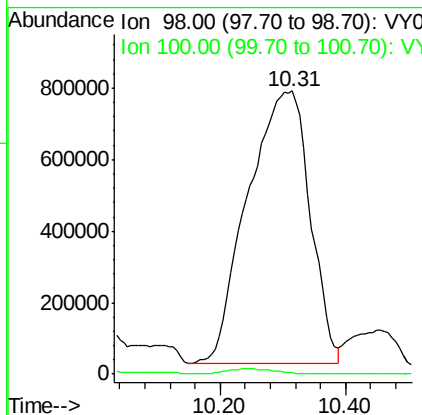
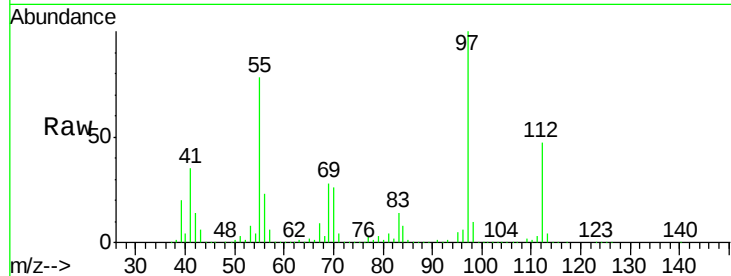




#50
Toluene-d8
Concen: 1854.211 ug/l
RT: 10.31 min Scan# 1407
Delta R.T. 0.13 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

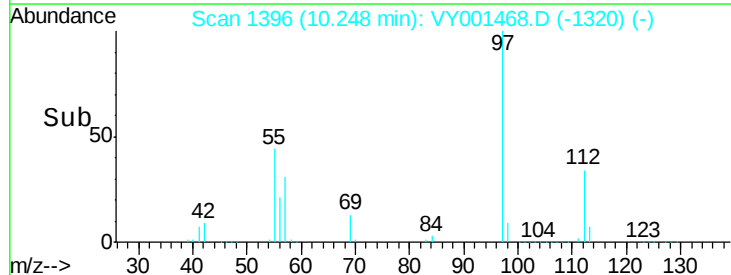
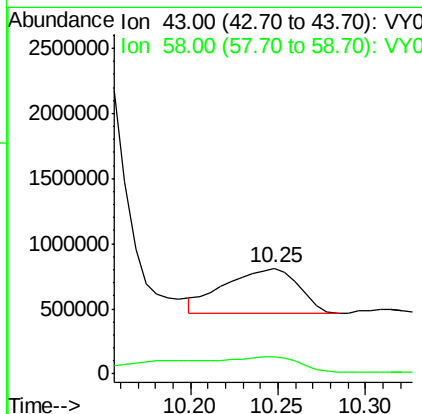
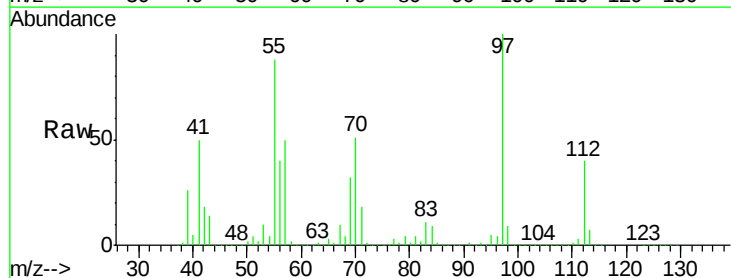
Instrument :
MSVOA_Y
ClientSampled :
PD-2-(28-29)

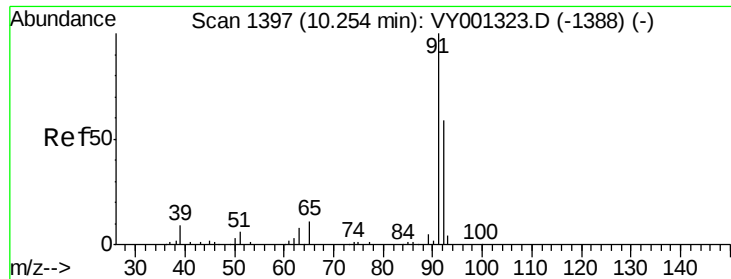
Tot Ion: 98 Resp: 5235280
Ion Ratio Lower Upper
98 100
100 0.0 52.6 79.0#



#51
4-Methyl-2-Pentanone
Concen: 1409.194 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.16 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion: 43 Resp: 1008562
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#





#52

Toluene

Concen: 55.337 ug/l

RT: 10.35 min Scan# 1413

Delta R.T. 0.10 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

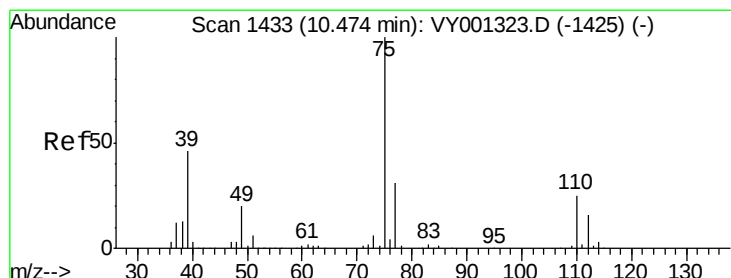
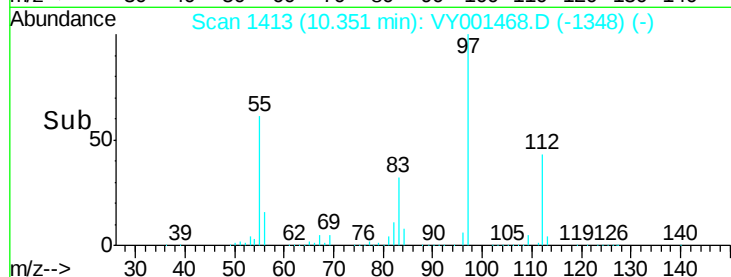
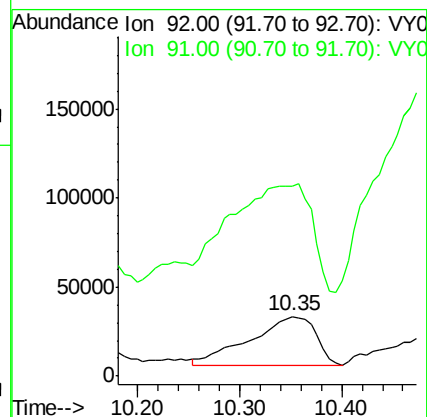
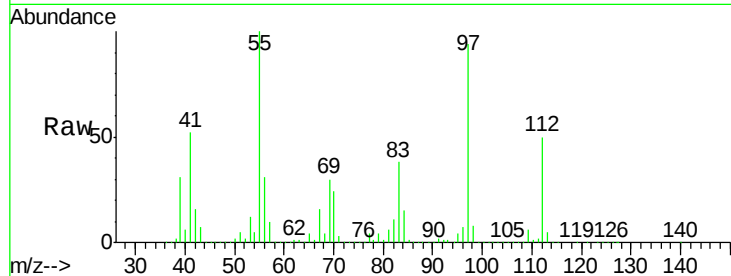
PD-2-(28-29)

Tot Ion: 92 Resp: 123038

Ion Ratio Lower Upper

92 100

91 277.4 136.4 204.6#



#53

t-1,3-Dichloropropene

Concen: 3.504 ug/l

RT: 10.43 min Scan# 1426

Delta R.T. -0.04 min

Lab File: VY001468.D

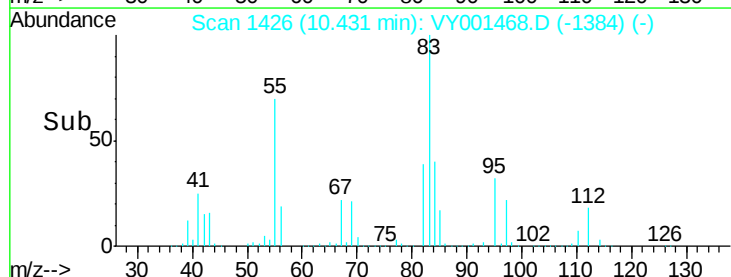
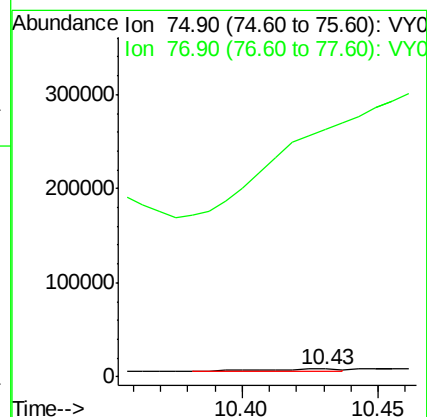
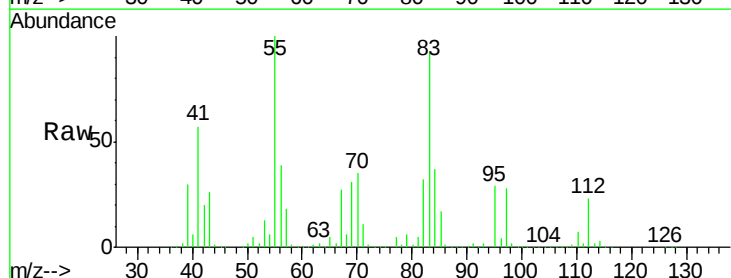
Acq: 03 Feb 2020 12:53

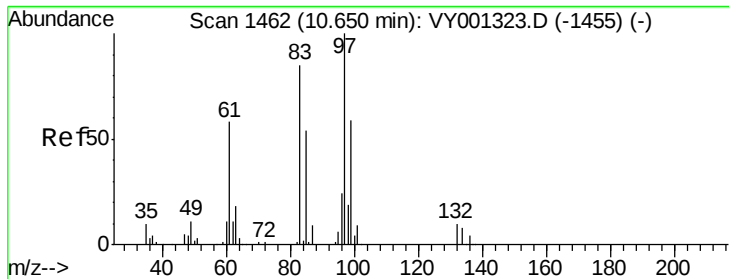
Tgt Ion: 75 Resp: 4419

Ion Ratio Lower Upper

75 100

77 3939.7 25.2 37.8#





#55

1,1,2-Trichloroethane

Concen: 28144.746 ug/l

RT: 10.64 min Scan# 1460

Delta R.T. -0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

PD-2-(28-29)

Tot Ion: 97 Resp:19774522

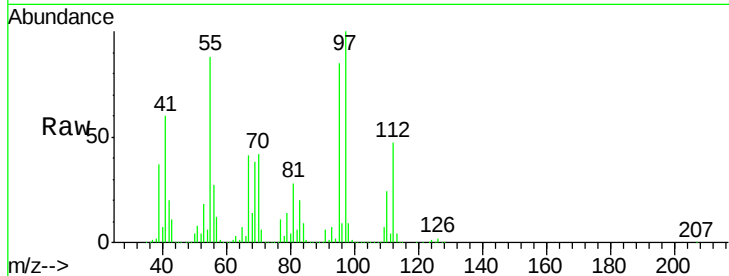
Ion Ratio Lower Upper

97 100

83 11.5 68.0 102.0#

85 0.0 43.6 65.4#

99 0.8 47.1 70.7#



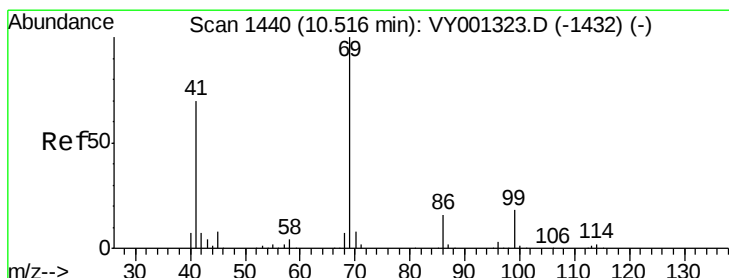
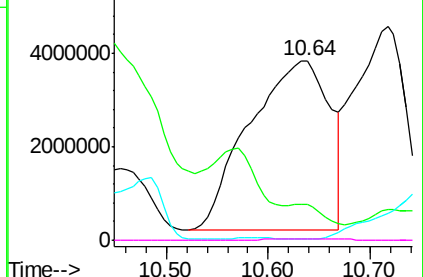
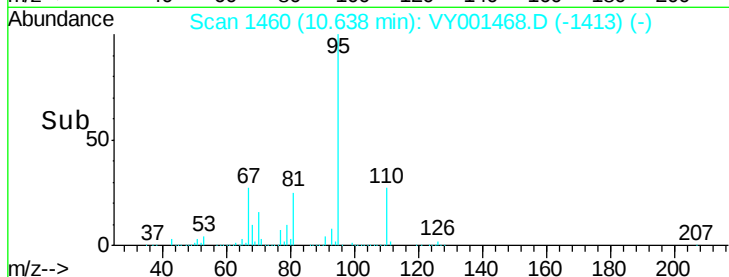
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Time-->



#56

Ethyl methacrylate

Concen: 1485.194 ug/l

RT: 10.53 min Scan# 1443

Delta R.T. 0.02 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

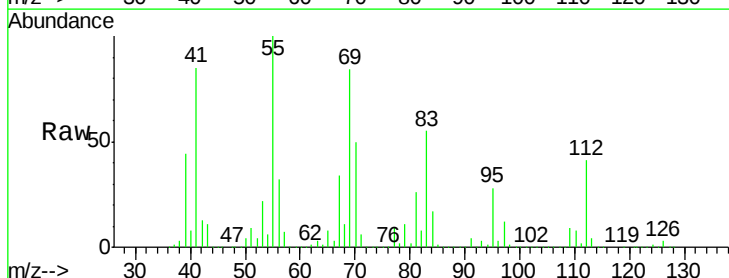
Tgt Ion: 69 Resp: 1577166

Ion Ratio Lower Upper

69 100

41 30.3 54.1 81.1#

39 0.0 26.8 40.2#

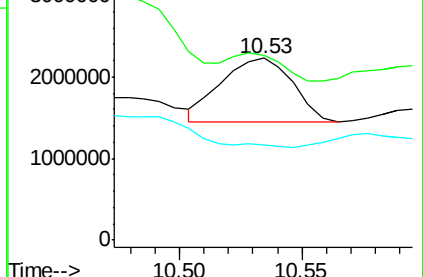
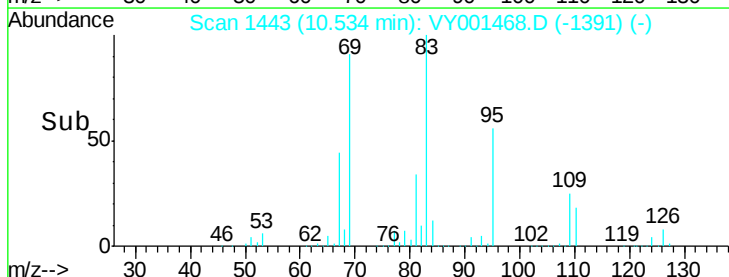


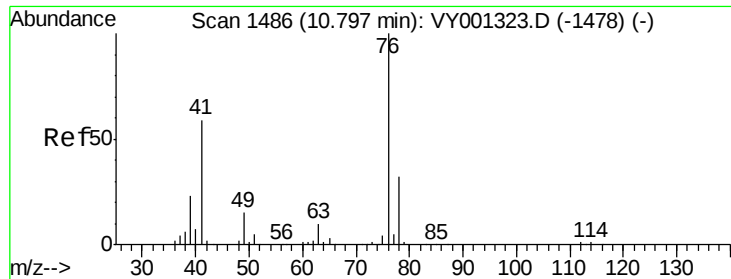
Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Time-->

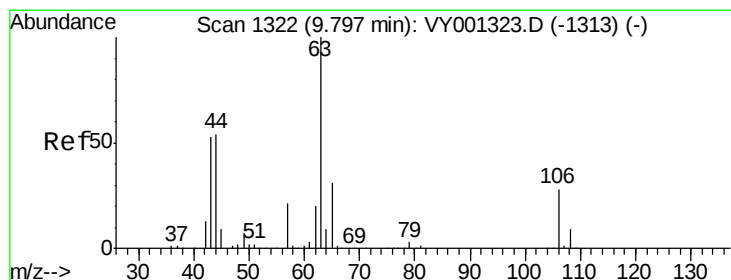
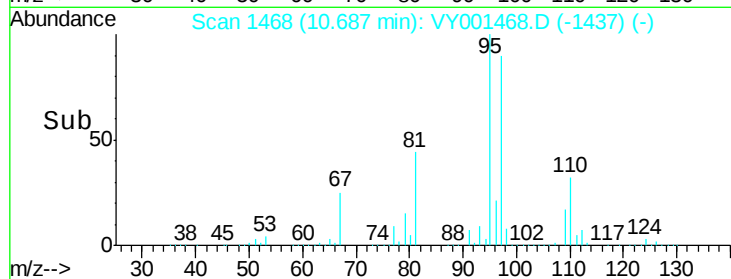
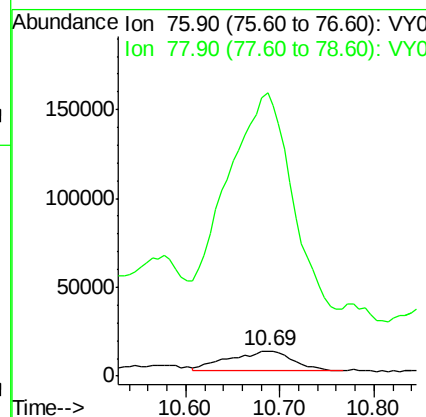
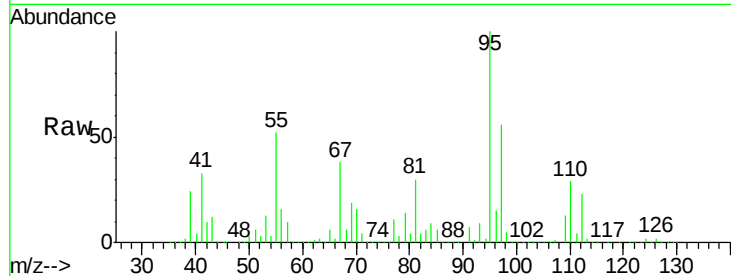




#57
 1,3-Dichloropropane
 Concen: 43.749 ug/l
 RT: 10.69 min Scan# 1468
 Delta R.T. -0.11 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

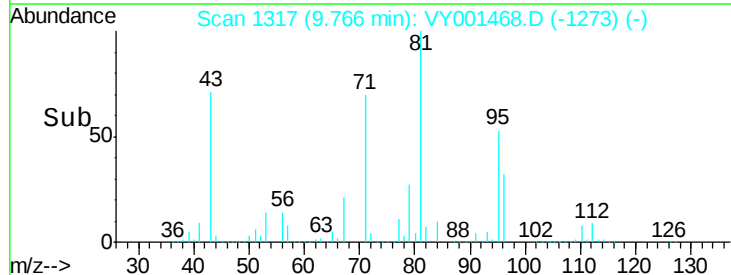
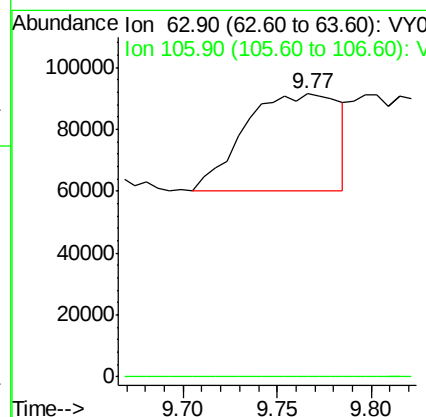
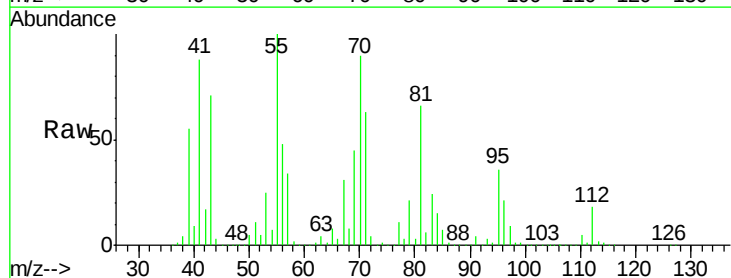
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

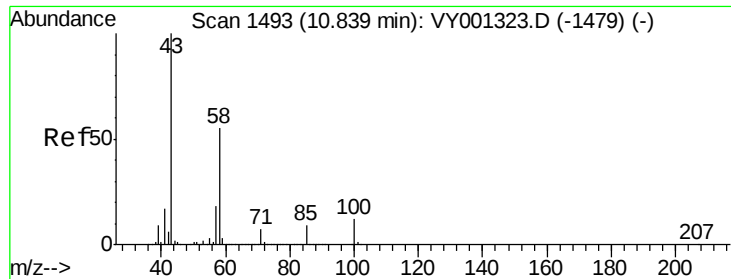
Tot Ion: 76 Resp: 53545
 Ion Ratio Lower Upper
 76 100
 78 1064.3 25.8 38.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 298.960 ug/l
 RT: 9.77 min Scan# 1317
 Delta R.T. -0.03 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion: 63 Resp: 109857
 Ion Ratio Lower Upper
 63 100
 106 0.2 22.5 33.7#





#59

2-Hexanone

Concen: 22202.239 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.04 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

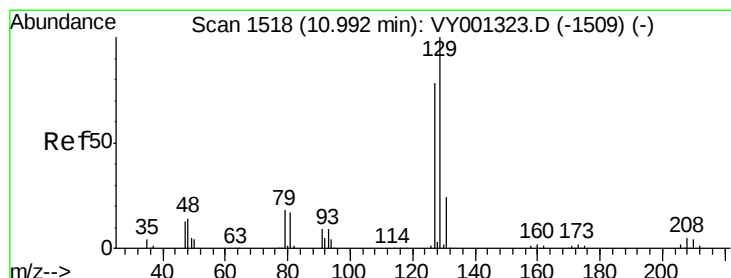
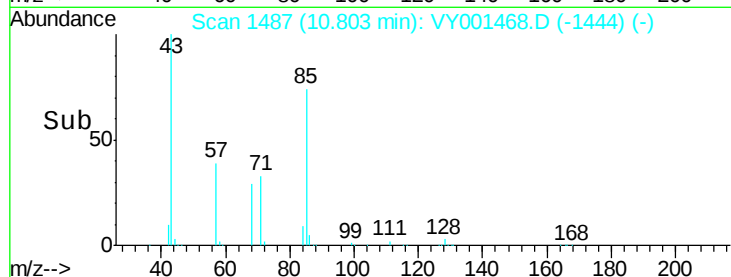
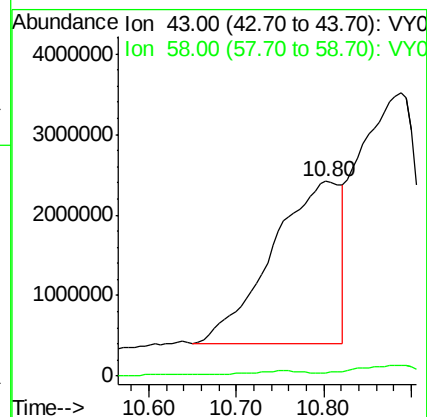
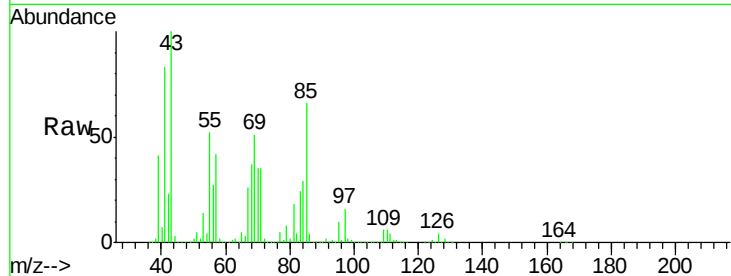
PD-2-(28-29)

Tot Ion: 43 Resp: 11062273

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#60

Dibromochloromethane

Concen: 98.002 ug/l

RT: 10.98 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VY001468.D

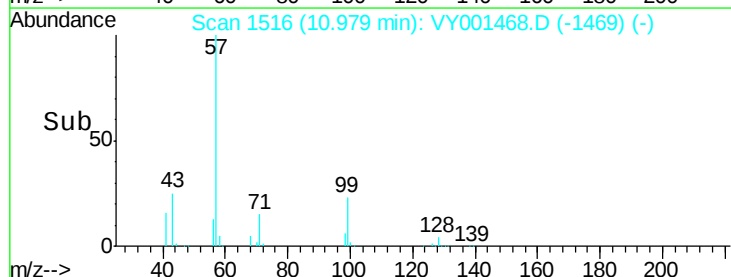
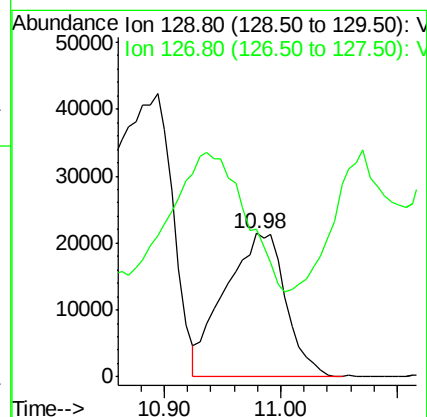
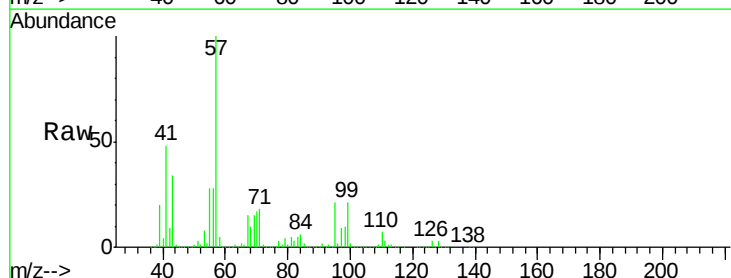
Acq: 03 Feb 2020 12:53

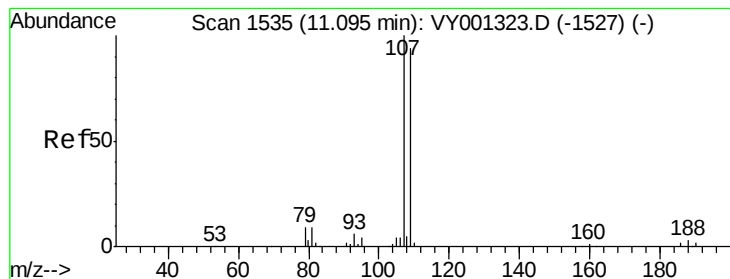
Tgt Ion: 129 Resp: 77012

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#61

1,2-Dibromoethane

Concen: 155.074 ug/l

RT: 11.14 min Scan# 1542

Delta R.T. 0.04 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

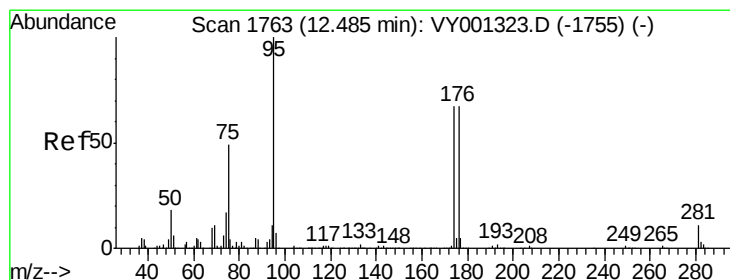
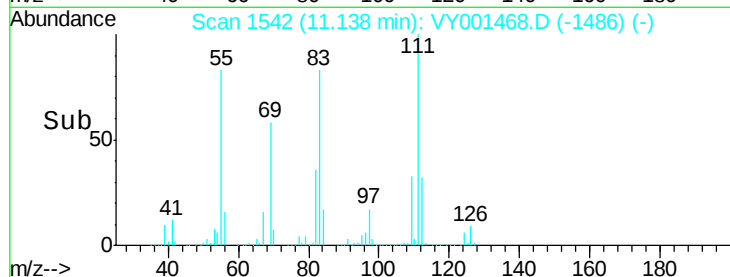
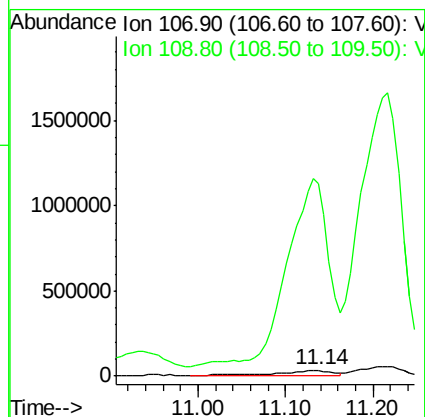
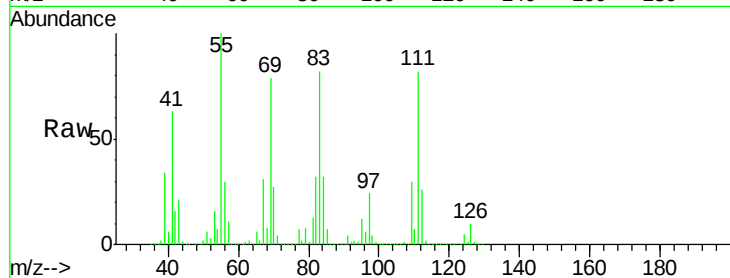
PD-2-(28-29)

Tot Ion:107 Resp: 103001

Ion Ratio Lower Upper

107 100

109 3586.2 75.0 112.6#



#62

4-Bromofluorobenzene

Concen: 855.783 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

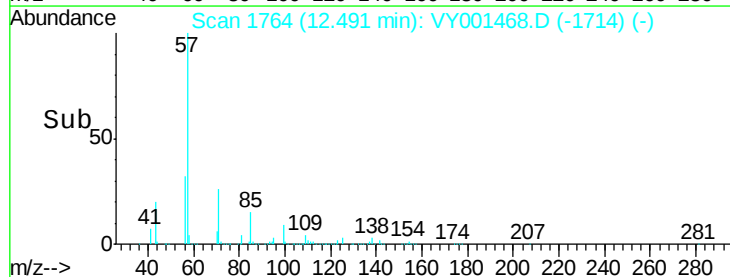
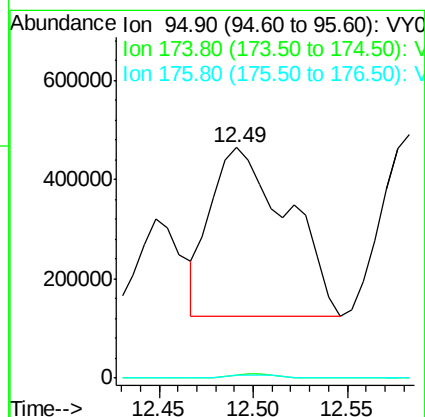
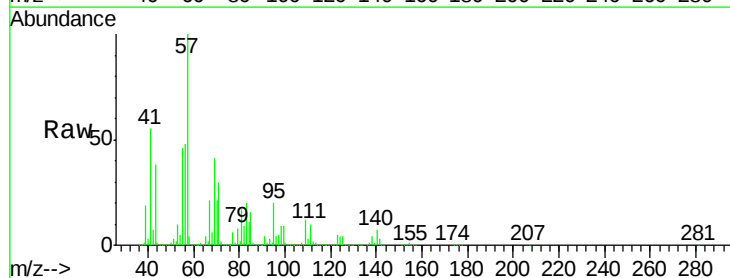
Tgt Ion: 95 Resp: 962236

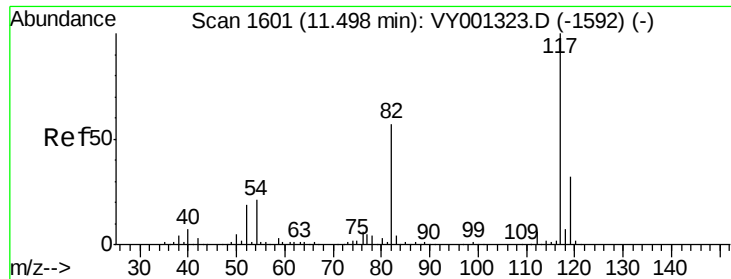
Ion Ratio Lower Upper

95 100

174 1.5 0.0 142.0

176 1.4 0.0 138.6

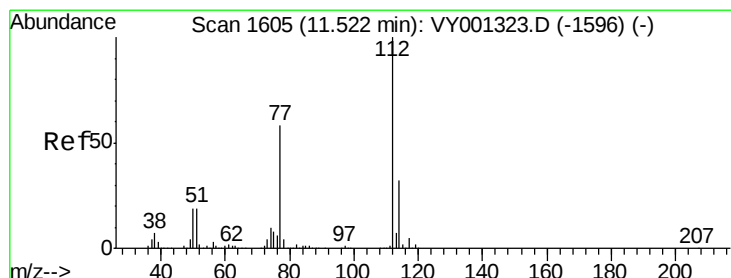
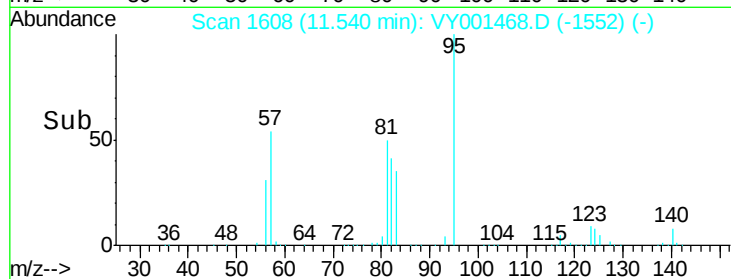
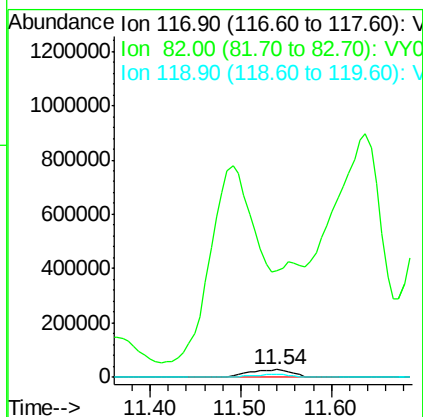
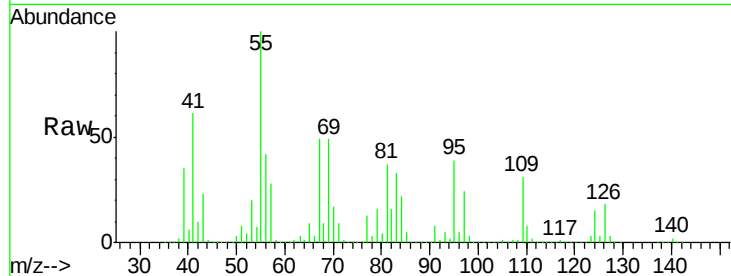




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.54 min Scan# 1608
Delta R.T. 0.04 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

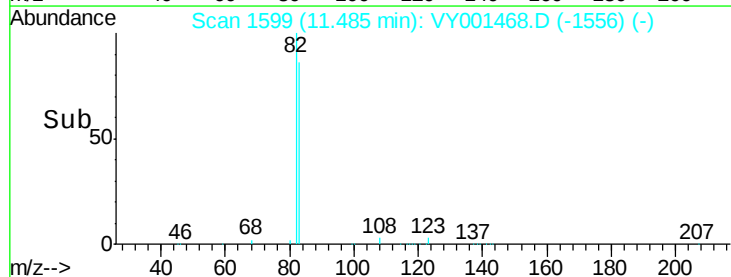
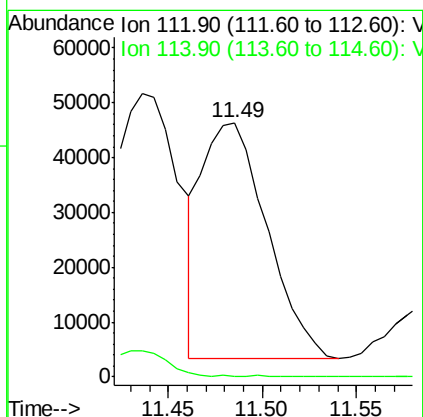
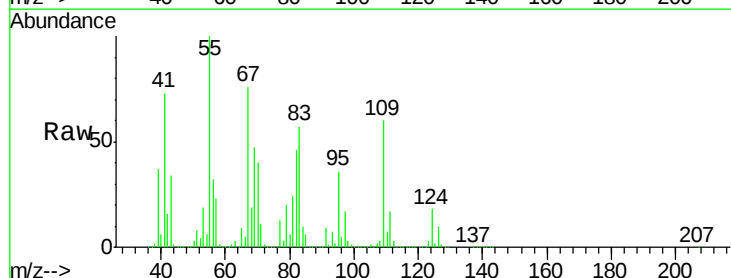
Instrument :
MSVOA_Y
ClientSampleId :
PD-2-(28-29)

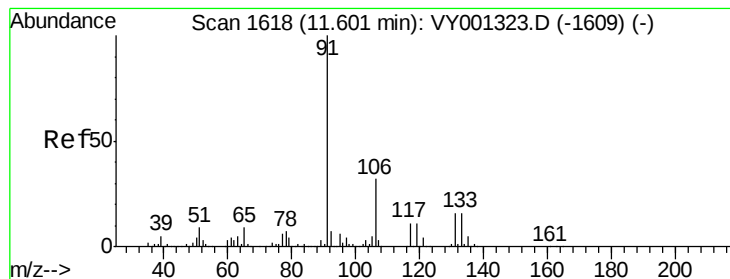
Tot Ion:117 Resp: 93979
Ion Ratio Lower Upper
117 100
82 967.1 45.5 68.3#
119 31.6 25.8 38.6



#65
Chlorobenzene
Concen: 51.842 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.04 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion:112 Resp: 102696
Ion Ratio Lower Upper
112 100
114 0.3 25.8 38.6#





#67

Ethyl Benzene

Concen: 624.003 ug/l

RT: 11.64 min Scan# 1624

Delta R.T. 0.04 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

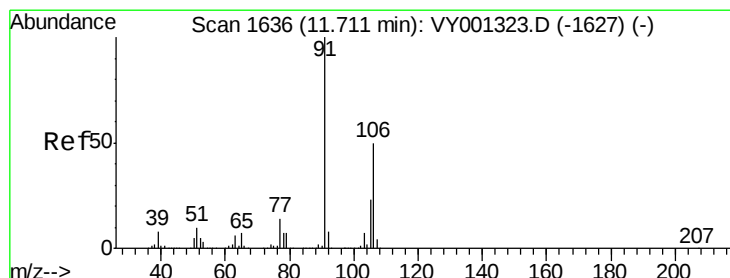
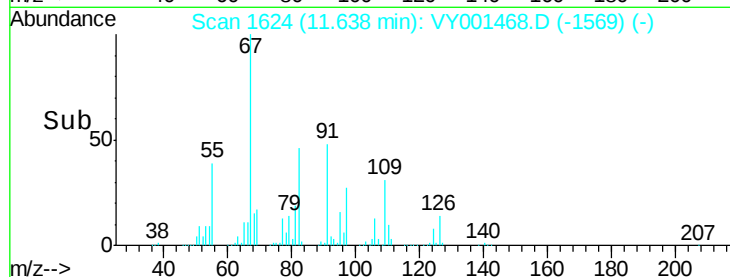
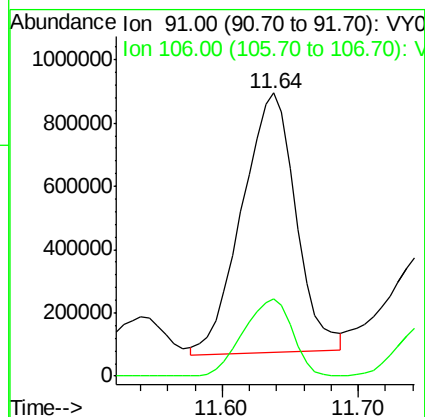
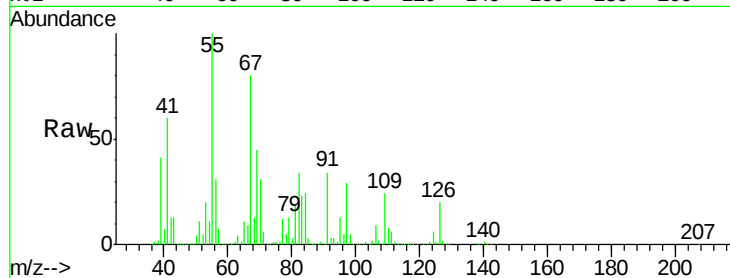
PD-2-(28-29)

Tot Ion: 91 Resp: 2278019

Ion Ratio Lower Upper

91 100

106 30.3 25.4 38.0



#68

m/p-Xylenes

Concen: 257.327 ug/l

RT: 11.75 min Scan# 1642

Delta R.T. 0.04 min

Lab File: VY001468.D

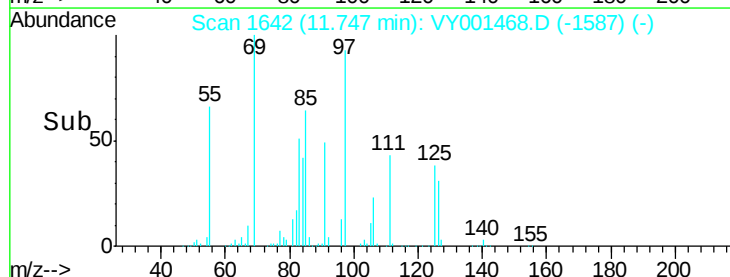
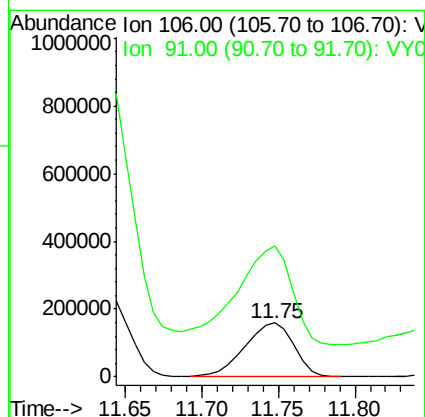
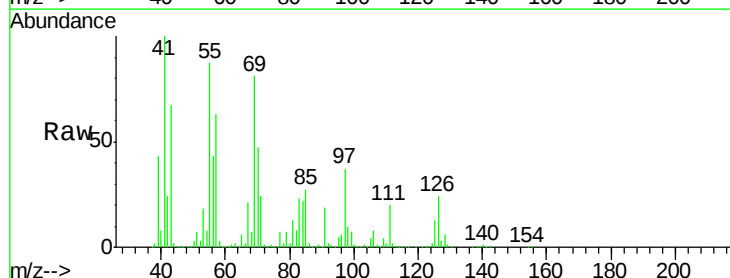
Acq: 03 Feb 2020 12:53

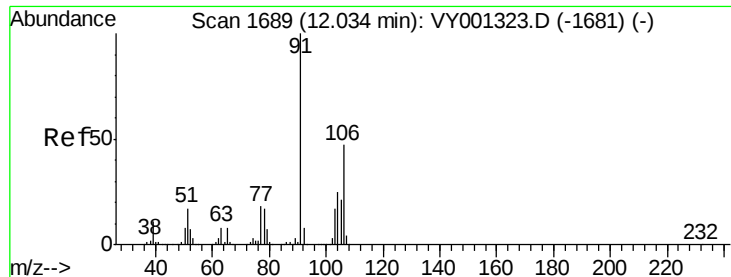
Tgt Ion: 106 Resp: 350860

Ion Ratio Lower Upper

106 100

91 207.6 162.8 244.2

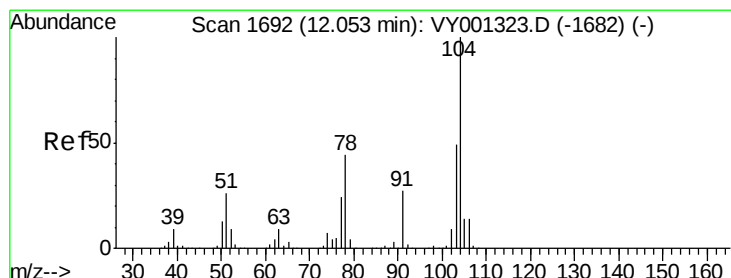
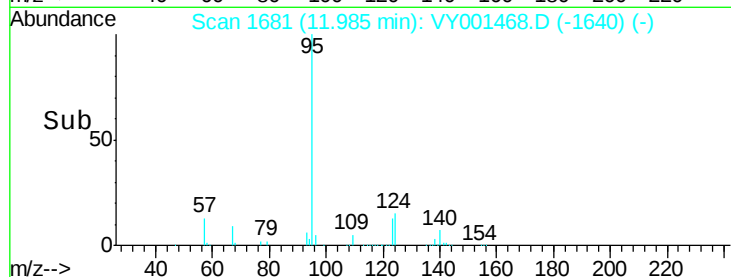
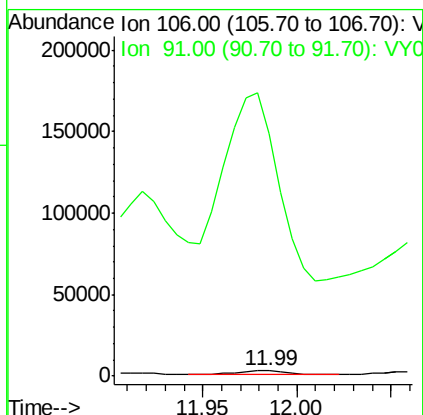
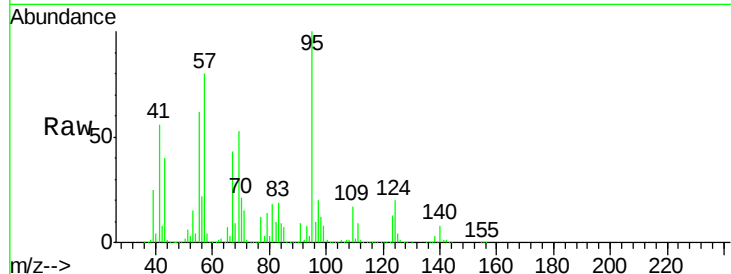




#69
o-Xylene
Concen: 3.447 ug/l
RT: 11.99 min Scan# 1681
Delta R.T. -0.05 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

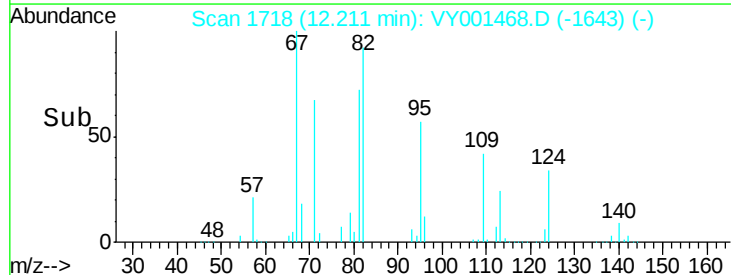
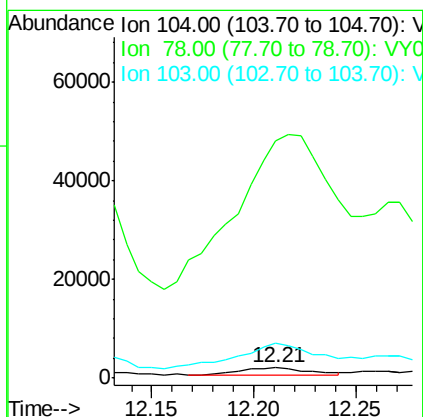
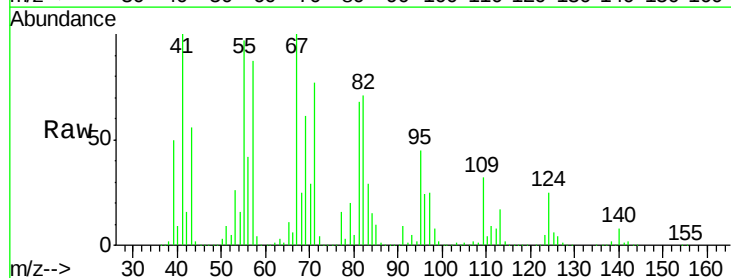
Instrument :
MSVOA_Y
ClientSampled :
PD-2-(28-29)

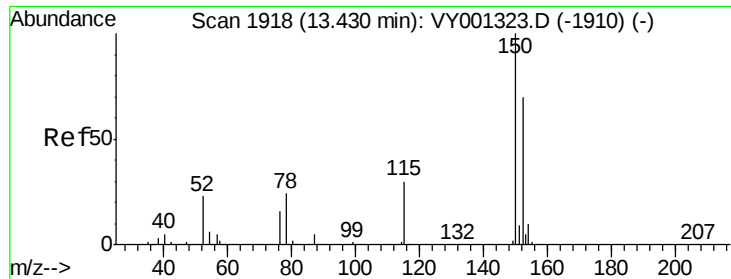
Tot Ion:106 Resp: 4521
Ion Ratio Lower Upper
106 100
91 4869.0 106.3 319.0#



#70
Styrene
Concen: 1.633 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.16 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion:104 Resp: 3757
Ion Ratio Lower Upper
104 100
78 2851.6 39.8 59.8#
103 393.7 43.2 64.8#



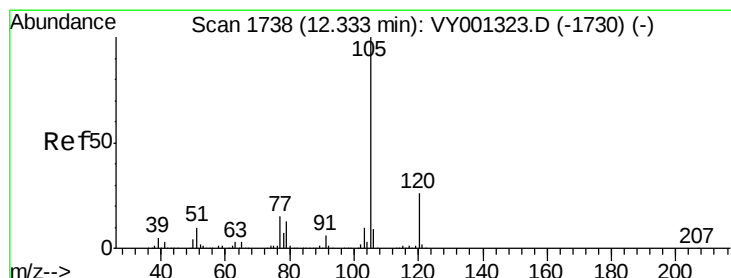
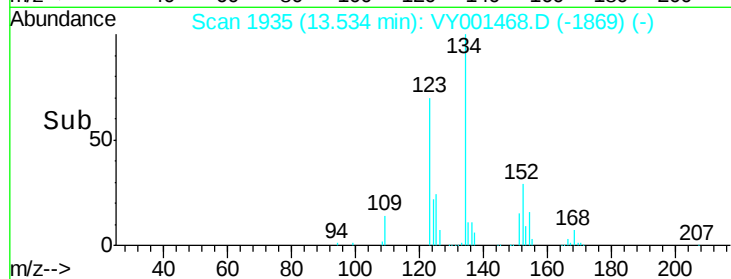
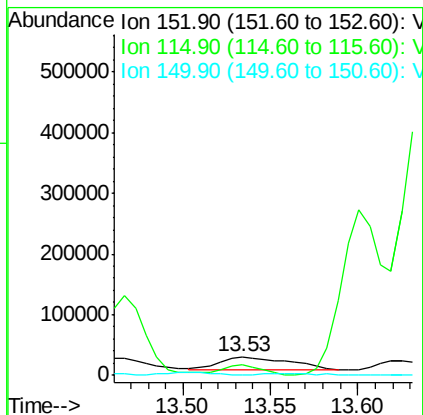
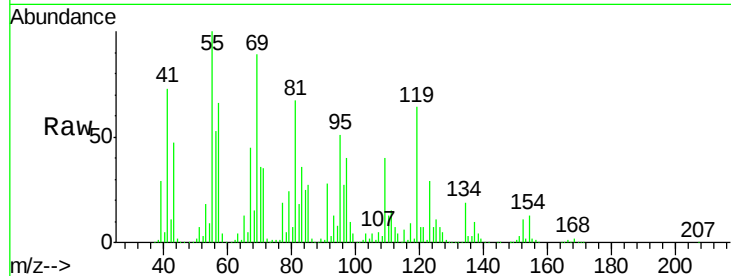


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.53 min Scan# 1935
Delta R.T. 0.10 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Instrument :
MSVOA_Y
ClientSampleId :
PD-2-(28-29)

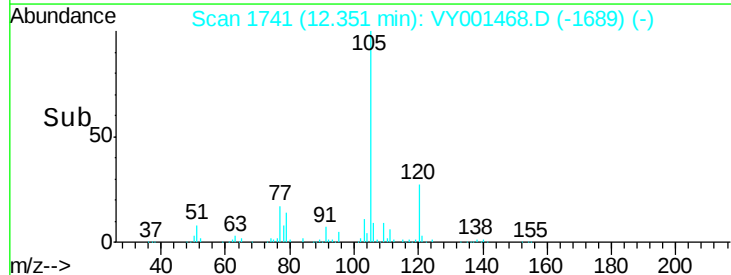
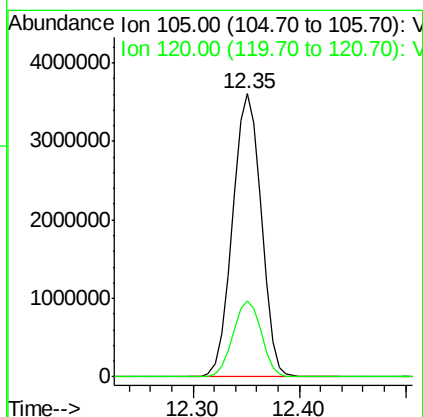
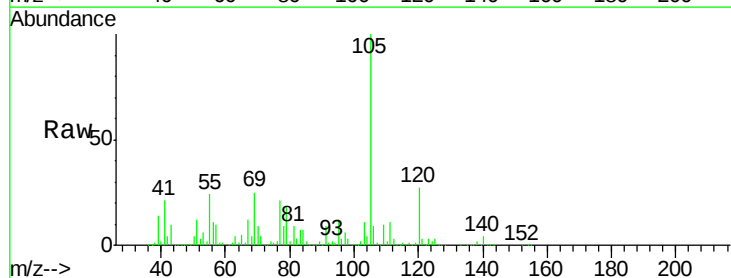
Tot Ion:152 Resp: 58987
Ion Ratio Lower Upper
152 100
115 42.9 30.9 92.8
150 3.5 0.0 349.2

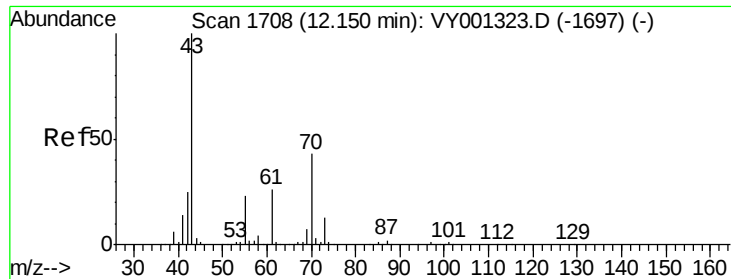


#73

Isopropylbenzene
Concen: 1463.230 ug/l
RT: 12.35 min Scan# 1741
Delta R.T. 0.02 min
Lab File: VY001468.D
Acq: 03 Feb 2020 12:53

Tgt Ion:105 Resp: 6810689
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4





#74

N-amvl acetate

Concen: 2668.561 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

Tot Ion: 43 Resp: 4065807

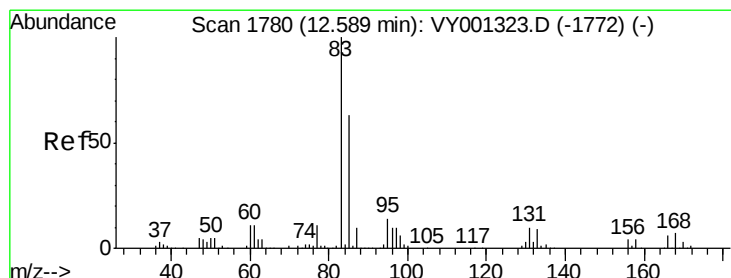
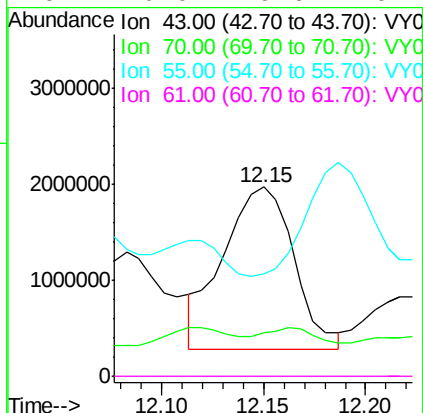
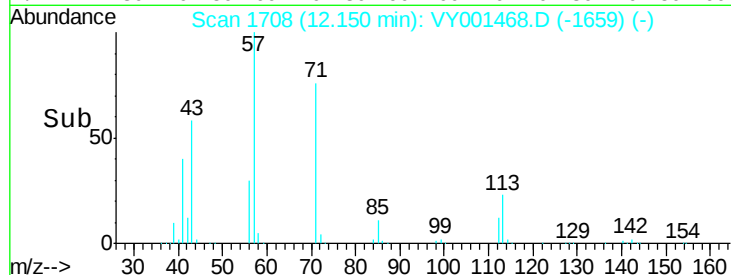
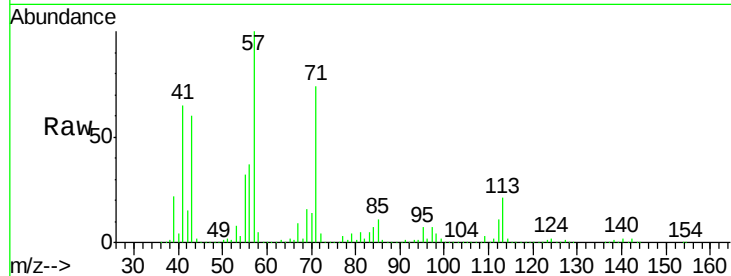
Ion Ratio Lower Upper

43 100

70 8.8 33.5 50.3#

55 0.0 18.2 27.2#

61 0.0 19.6 29.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 260.531 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

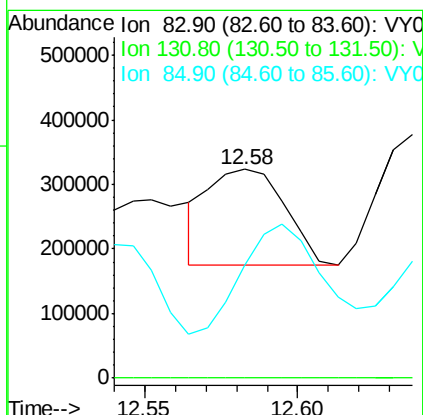
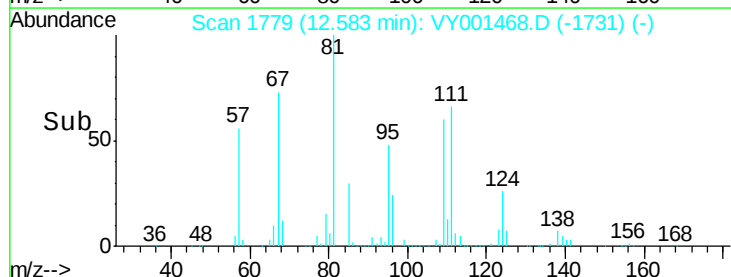
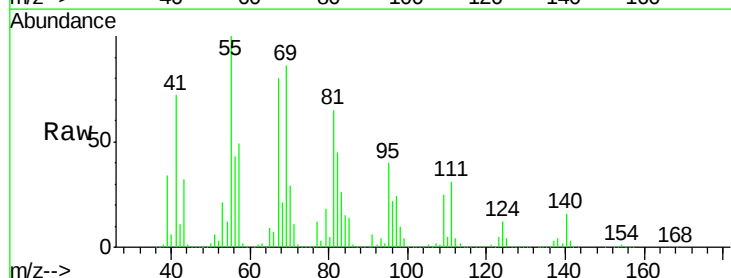
Tgt Ion: 83 Resp: 259707

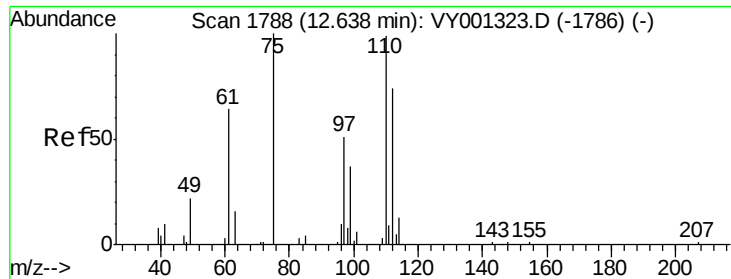
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 115.3 31.4 94.3#

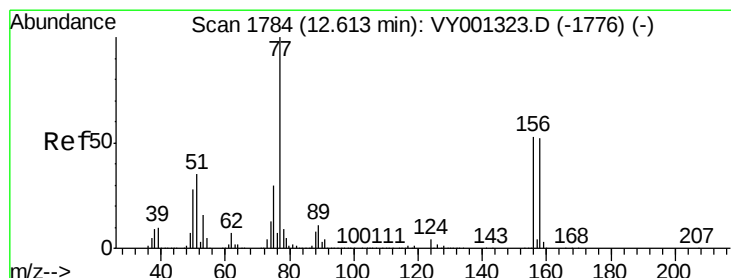
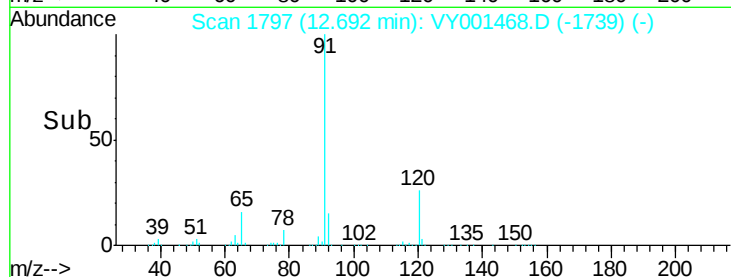
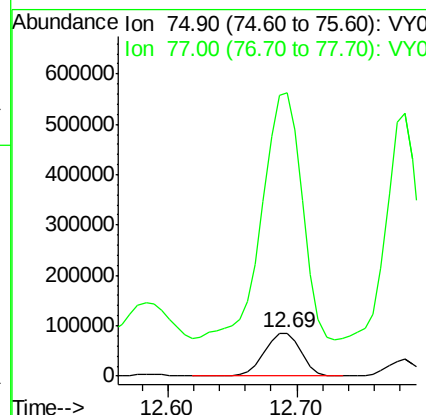
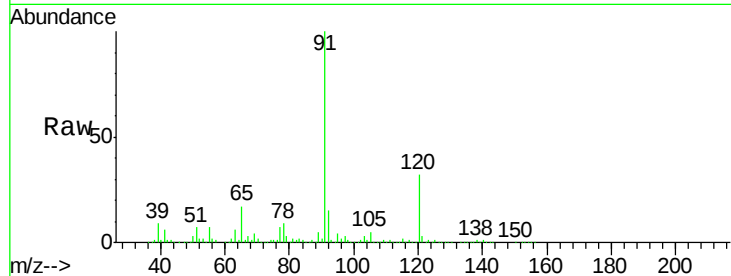




#76
 1,2,3-Trichloropropane
 Concen: 228.927 ug/l
 RT: 12.69 min Scan# 1797
 Delta R.T. 0.05 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

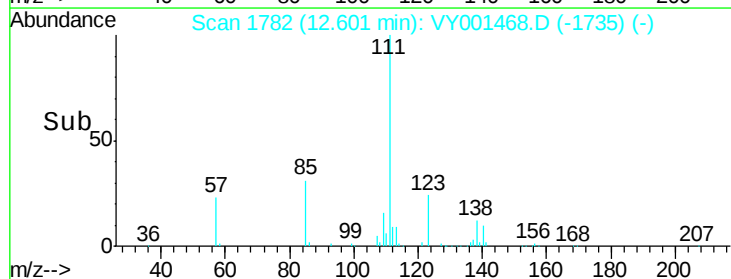
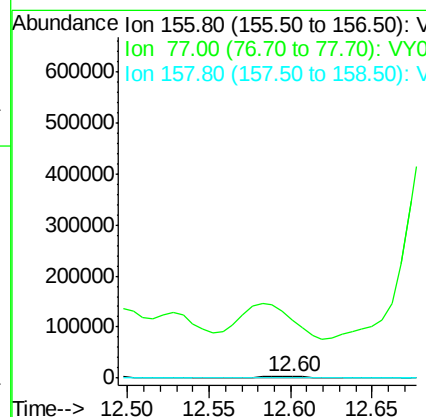
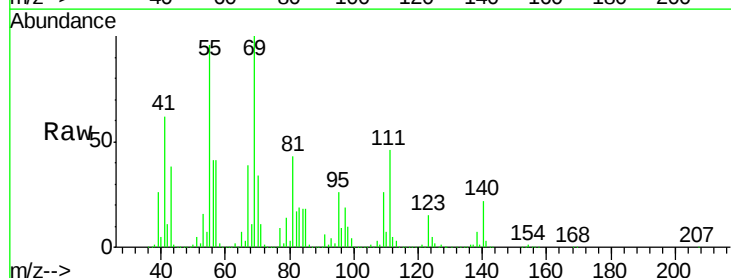
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

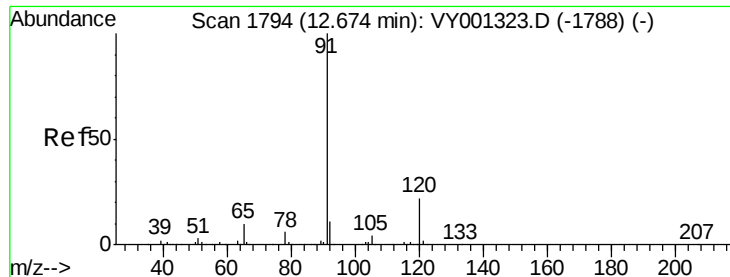
Tot Ion: 75 Resp: 162721
 Ion Ratio Lower Upper
 75 100
 77 652.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 6.109 ug/l
 RT: 12.60 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion: 156 Resp: 6298
 Ion Ratio Lower Upper
 156 100
 77 2405.6 104.7 313.9#
 158 0.0 48.6 145.8#





#78

n-propylbenzene

Concen: 3253.419 ug/l

RT: 12.69 min Scan# 1797

Delta R.T. 0.02 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

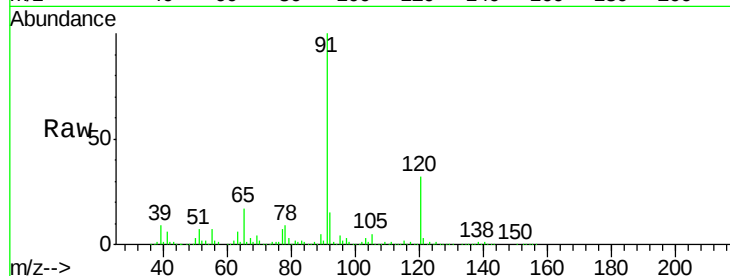
PD-2-(28-29)

Tot Ion: 91 Resp:18227096

Ion Ratio Lower Upper

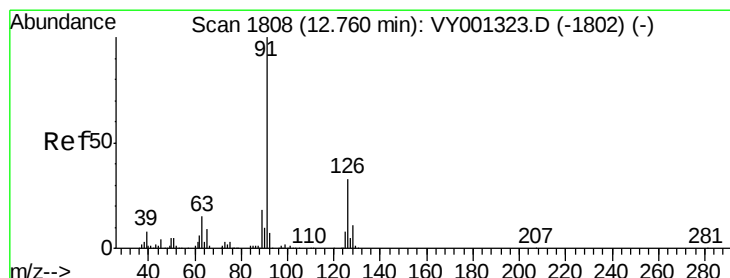
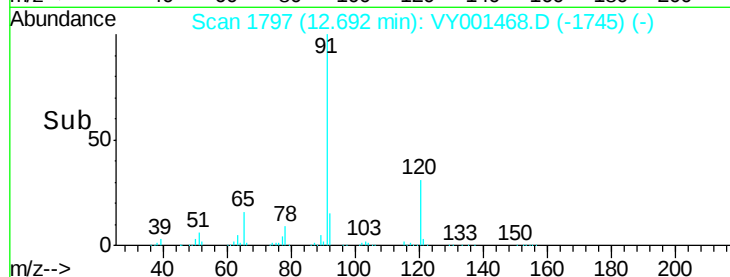
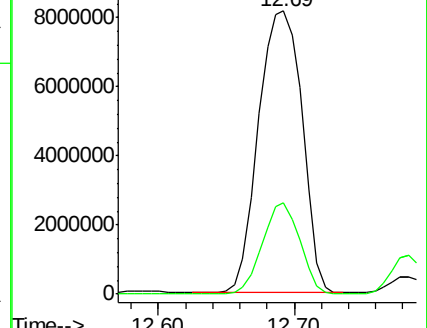
91 100

120 27.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 234.984 ug/l

RT: 12.78 min Scan# 1812

Delta R.T. 0.02 min

Lab File: VY001468.D

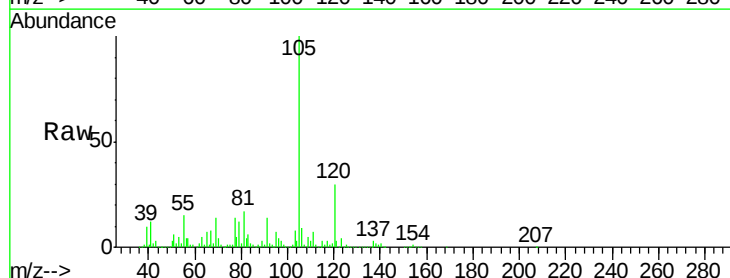
Acq: 03 Feb 2020 12:53

Tgt Ion: 91 Resp: 752082

Ion Ratio Lower Upper

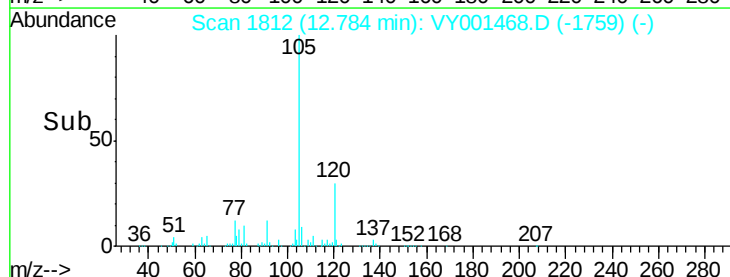
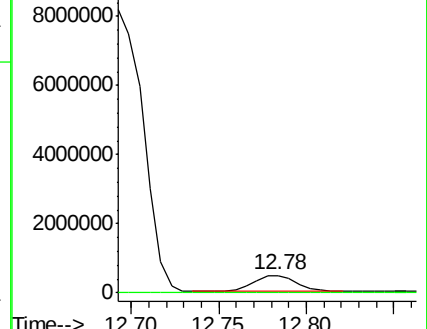
91 100

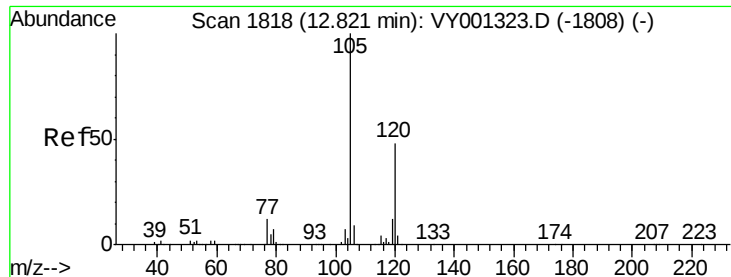
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

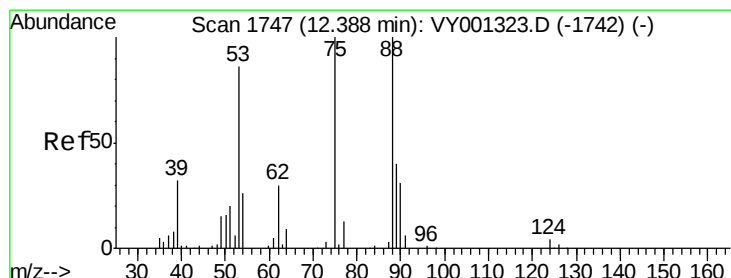
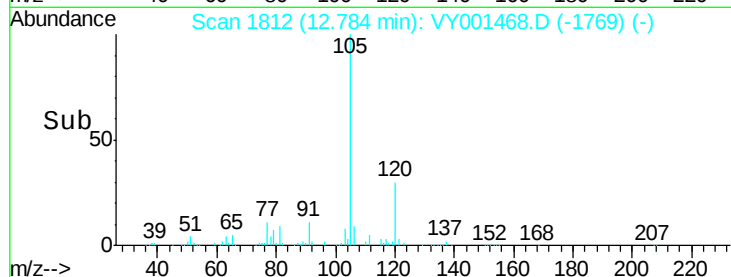
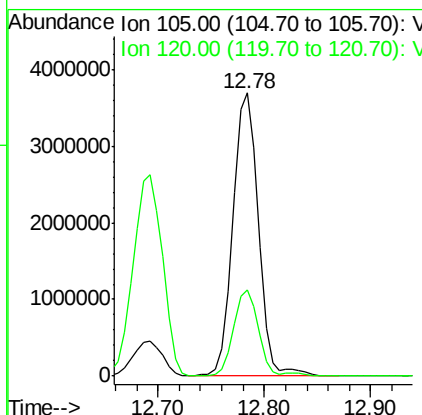
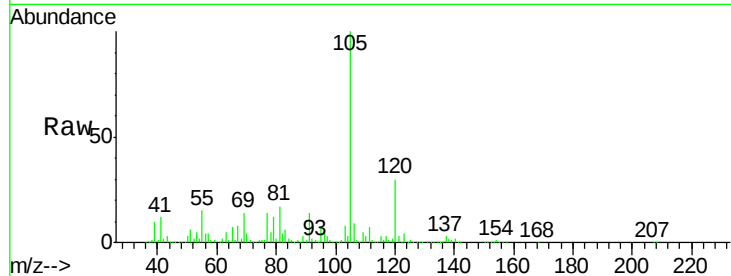




#80
 1,3,5-Trimethylbenzene
 Concen: 1593.444 ug/l
 RT: 12.78 min Scan# 1812
 Delta R.T. -0.04 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

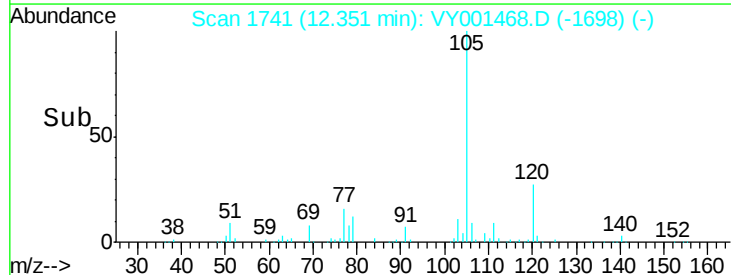
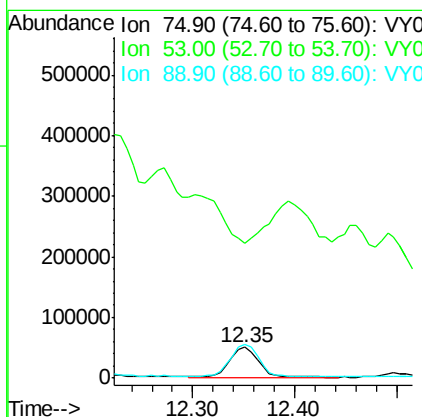
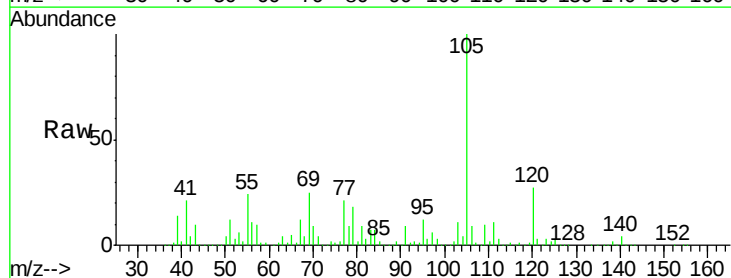
Instrument :
 MSVOA_Y
 ClientSampled :
 PD-2-(28-29)

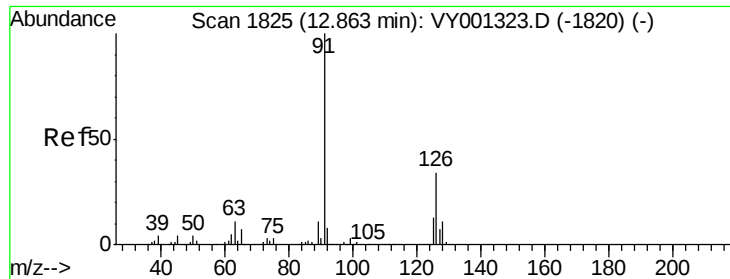
Tot Ion:105 Resp: 6190978
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 264.212 ug/l
 RT: 12.35 min Scan# 1741
 Delta R.T. -0.04 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion: 75 Resp: 99240
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.9 104.9#
 89 110.4 36.6 54.8#





#82

4-Chlorotoluene

Concen: 219.987 ug/l

RT: 12.78 min Scan# 1812

Delta R.T. -0.08 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

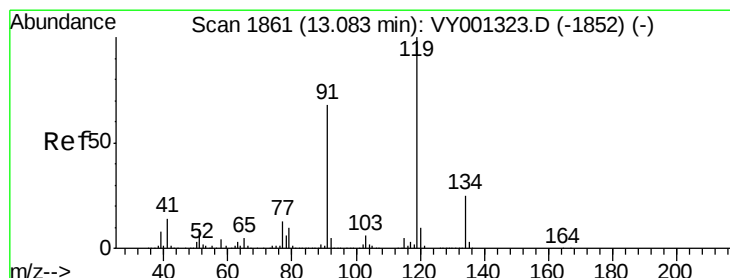
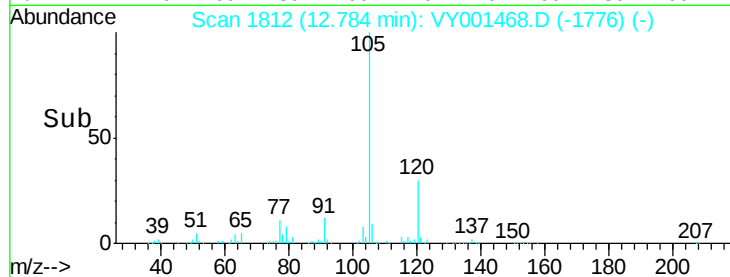
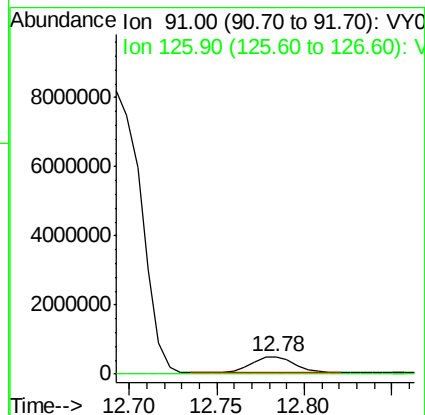
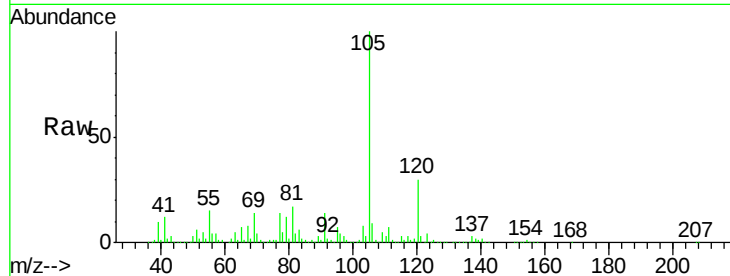
PD-2-(28-29)

Tot Ion: 91 Resp: 752082

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#



#83

tert-Butylbenzene

Concen: 11.786 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

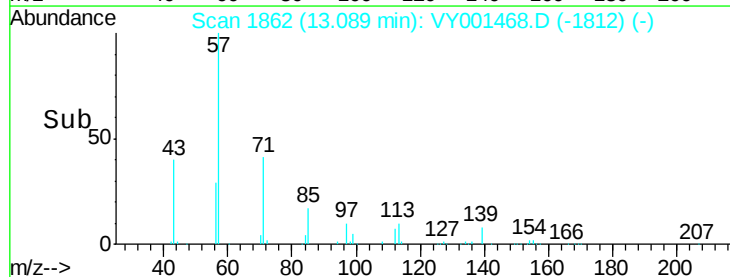
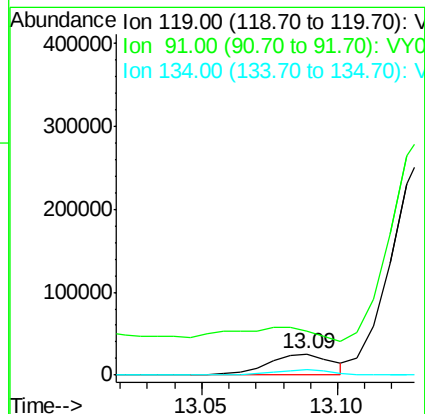
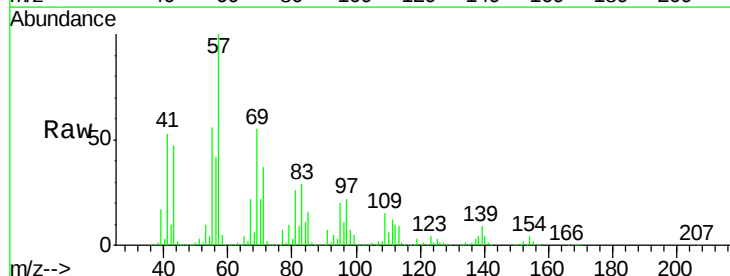
Tgt Ion: 119 Resp: 38600

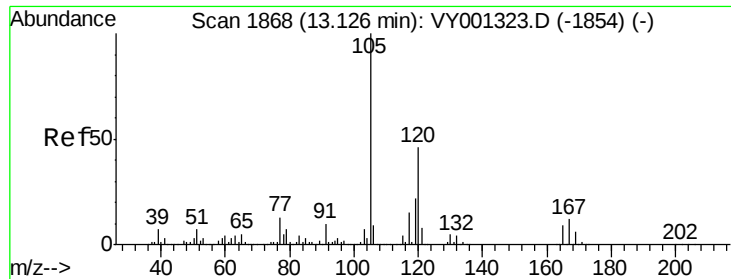
Ion Ratio Lower Upper

119 100

91 0.0 33.0 99.0#

134 0.0 13.3 39.9#

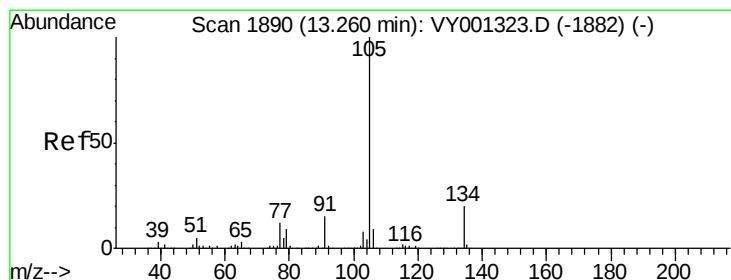
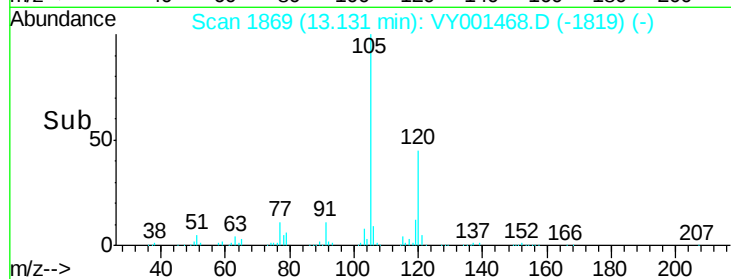
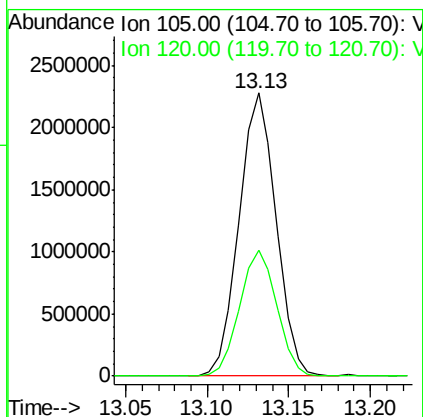
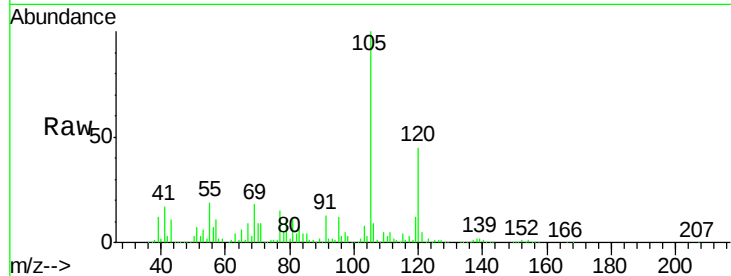




#84
 1,2,4-Trimethylbenzene
 Concen: 915.285 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

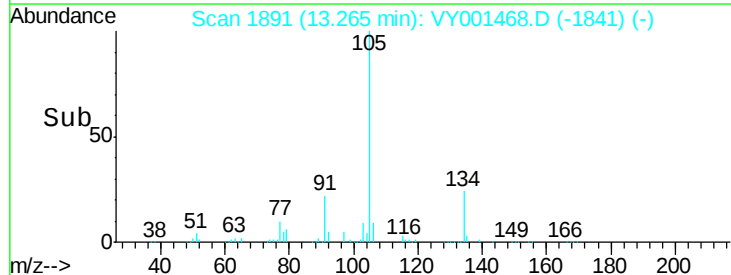
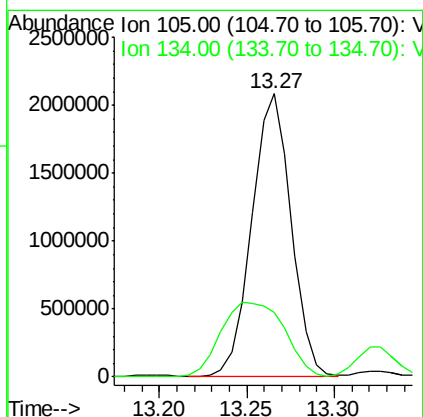
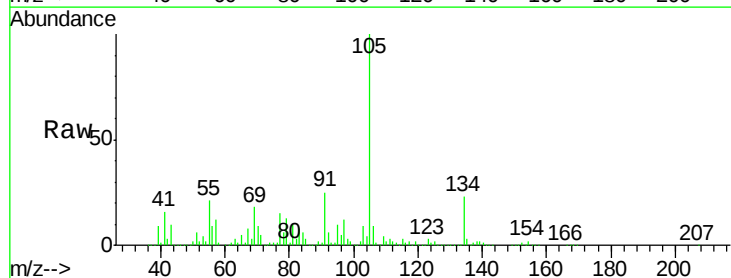
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

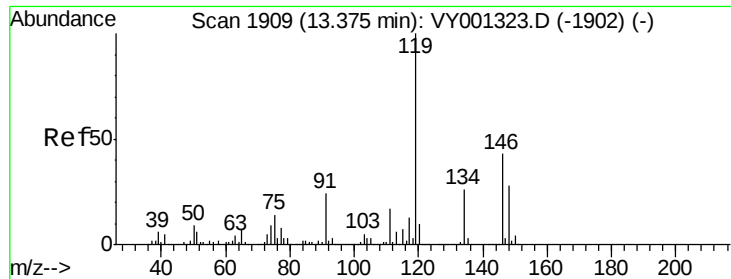
Tot Ion:105 Resp: 3570258
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 698.450 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion:105 Resp: 3249940
 Ion Ratio Lower Upper
 105 100
 134 42.7 9.8 29.4#

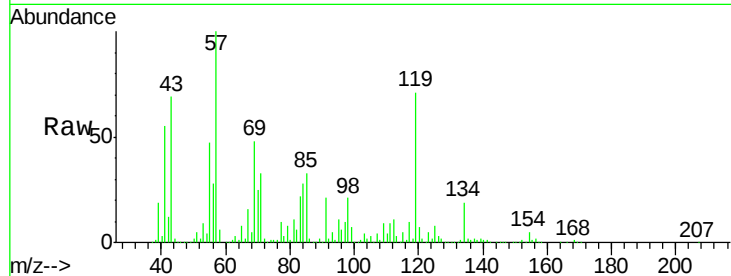




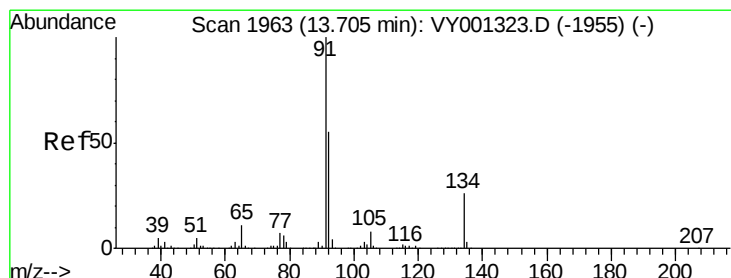
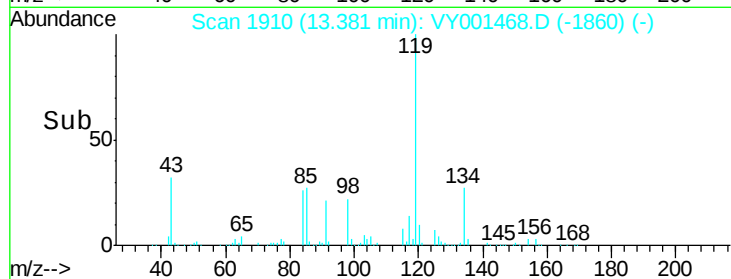
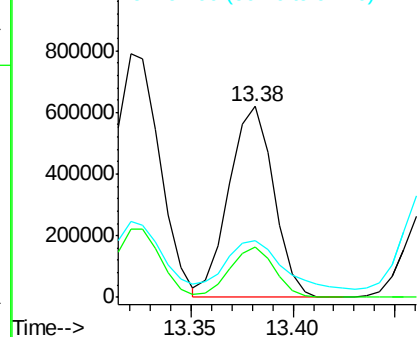
#86
 p-Isopropyltoluene
 Concen: 228.433 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-2-(28-29)

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.5	40.4
91	30.3	12.2	36.6

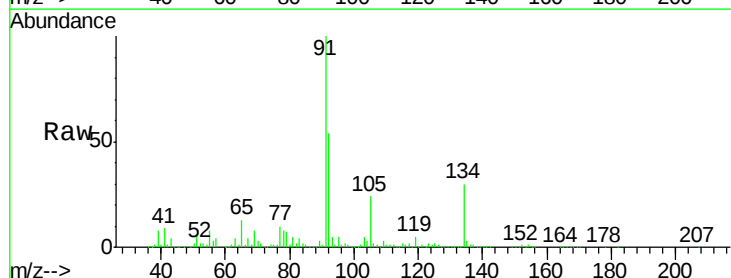


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

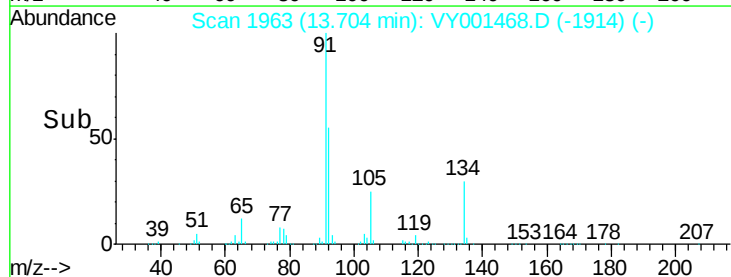
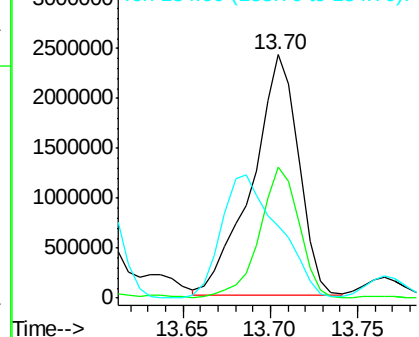


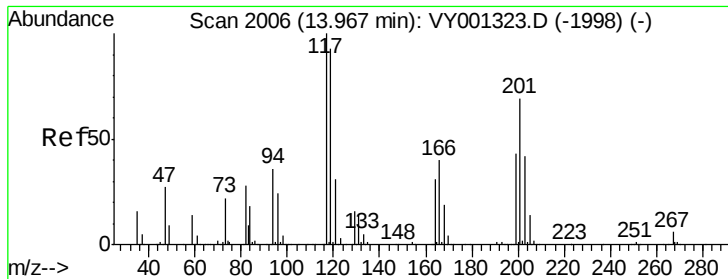
#89
 n-Butylbenzene
 Concen: 1078.008 ug/l
 RT: 13.70 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VY001468.D
 Acq: 03 Feb 2020 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.9	27.6	82.8
134	62.8	12.9	38.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 92.00 (91.70 to 92.70): VY0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1266.849 ug/l

RT: 13.98 min Scan# 2009

Delta R.T. 0.02 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampled :

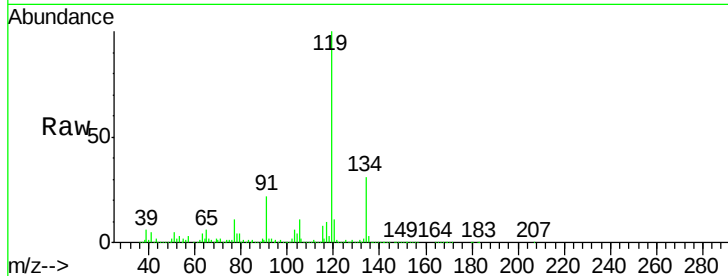
PD-2-(28-29)

Tot Ion:117 Resp: 984662

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

1500000

1000000

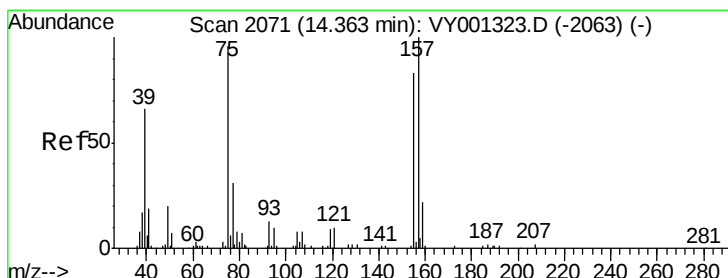
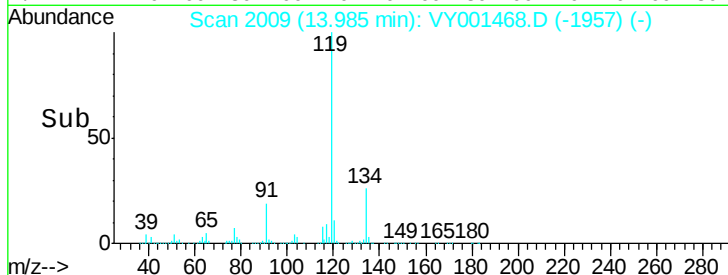
500000

0

13.95 14.00

13.98

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 147.588 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.02 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

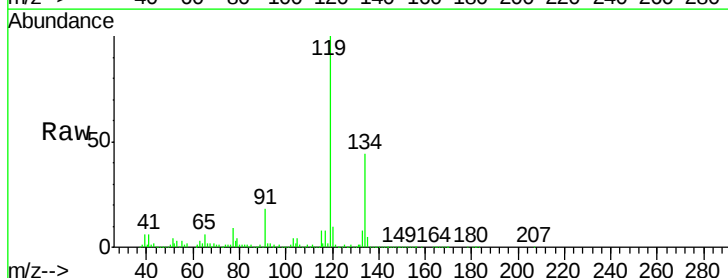
Tgt Ion: 75 Resp: 25387

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

30000

25000

20000

15000

10000

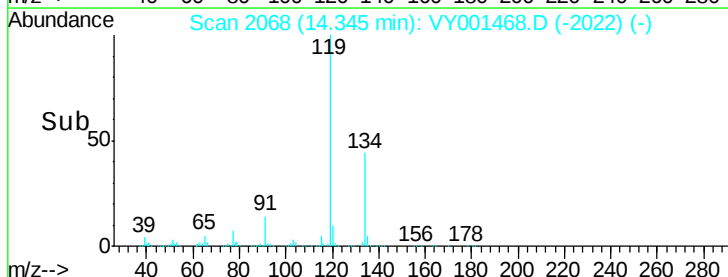
5000

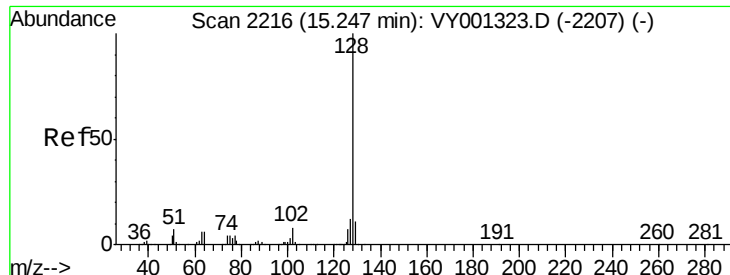
0

14.32 14.34 14.36

14.34

Time-->





#95

Naphthalene

Concen: 79.263 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001468.D

Acq: 03 Feb 2020 12:53

Instrument :

MSVOA_Y

ClientSampleId :

PD-2-(28-29)

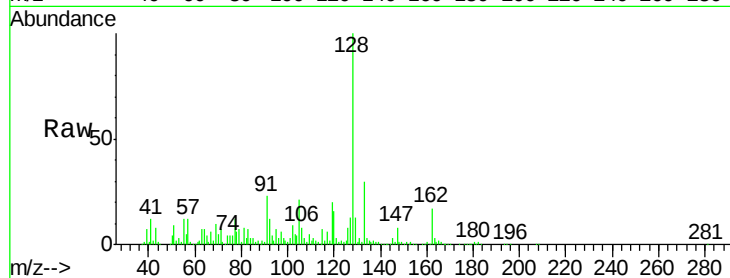
Tot Ion:128 Resp: 222740

Ion Ratio Lower Upper

128 100

127 15.6 10.2 15.2#

129 7.5 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

