

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059428.D
 Acq On : 26 Jun 2018 17:20
 Operator : VA/AP
 Sample : J3667-01
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:52:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	138491	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	224488	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	69165	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	12389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	149042	105.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	210.46%	
35) Dibromofluoromethane	5.54	113	85151	46.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	8.69	98	80206	18.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	37.52%	
62) 4-Bromofluorobenzene	11.92	95	15584	8.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	17.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	1375	1.116	ug/l #	42
5) Bromomethane	1.80	94	367	Below Cal	#	4
11) Tert butyl alcohol	3.26	59	9253	188.853	ug/l #	72
14) Allyl chloride	2.95	41	4183	4.005	ug/l #	36
15) Acrylonitrile	3.33	53	187	1.244	ug/l #	16
16) Acetone	2.61	43	429150	2400.899	ug/l	96
18) Methyl Acetate	2.93	43	41150	100.581	ug/l	94
20) Methylene Chloride	3.07	84	33866	69.280	ug/l	91
25) 2-Butanone	4.82	43	249351	665.935	ug/l	98
29) Tetrahydrofuran	4.83	42	17737	86.601	ug/l #	1
30) Chloroform	5.31	83	3589	1.464	ug/l #	1
31) Cyclohexane	5.57	56	128844	89.944	ug/l #	42
36) 1,1-Dichloropropene	5.64	75	11153	5.477	ug/l #	44
37) Ethyl Acetate	4.82	43	251347	202.672	ug/l #	70
38) Carbon Tetrachloride	5.64	117	11533	5.493	ug/l #	12
39) Methylcyclohexane	7.26	83	15386	7.966	ug/l	94
40) Benzene	6.00	78	18328	3.750	ug/l #	90
41) Methacrylonitrile	5.18	41	8015	13.418	ug/l #	59
43) Isopropyl Acetate	7.75	43	13991	8.983	ug/l #	46
44) Trichloroethene	6.97	130	1919	1.199	ug/l	95
48) Methyl methacrylate	7.45	41	2572	2.711	ug/l #	41
51) 4-Methyl-2-Pentanone	8.59	43	37238	35.881	ug/l	97
52) Toluene	8.79	92	13776	4.720	ug/l	76
59) 2-Hexanone	9.77	43	60333	81.795	ug/l	95
65) Chlorobenzene	10.72	112	2380	1.882	ug/l #	75
67) Ethyl Benzene	10.85	91	9904	4.641	ug/l #	89
68) m/p-Xylenes	11.00	106	8658	12.228	ug/l	91
69) o-Xylene	11.40	106	3963	5.661	ug/l	88
70) Styrene	11.43	104	2748	2.290	ug/l	90
73) Isopropylbenzene	11.76	105	1476	2.111	ug/l #	54
74) N-amyl acetate	11.69	43	5776	21.715	ug/l #	43
78) n-propylbenzene	12.14	91	1383	1.562	ug/l #	57
80) 1,3,5-Trimethylbenzene	12.31	105	913	1.640	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.92	75	7351	189.258	ug/l #	1

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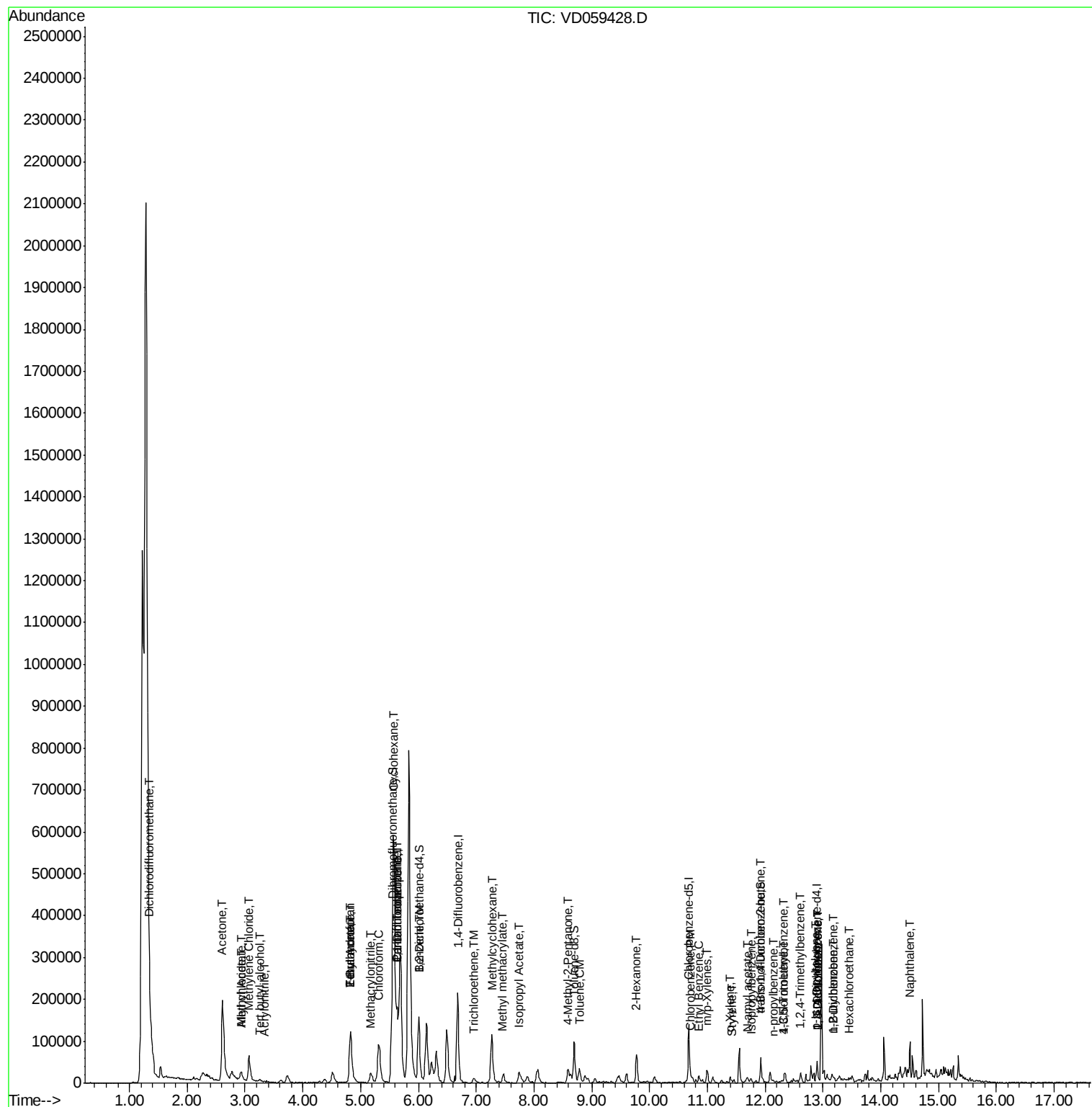
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.31	91	803	1.362	ug/l #	51
84) 1,2,4-Trimethylbenzene	12.62	105	2660	4.516	ug/l	83
86) p-Isopropyltoluene	12.87	119	3009	5.139	ug/l	93
87) 1,3-Dichlorobenzene	12.92	146	746	2.061	ug/l	77
88) 1,4-Dichlorobenzene	12.92	146	746	2.088	ug/l	76
89) n-Butylbenzene	13.19	91	1188	2.055	ug/l #	31
90) Hexachloroethane	13.44	117	272	1.862	ug/l #	9
91) 1,2-Dichlorobenzene	13.19	146	1976	6.438	ug/l	82
95) Naphthalene	14.51	128	42831	108.299	ug/l	99

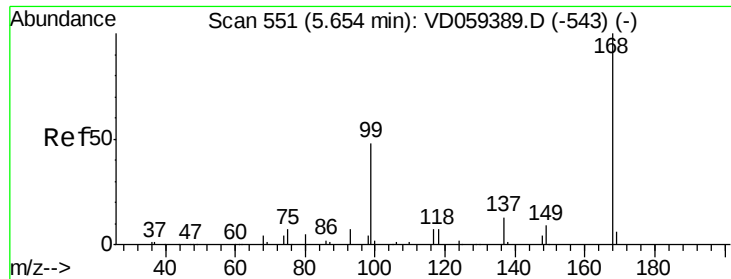
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

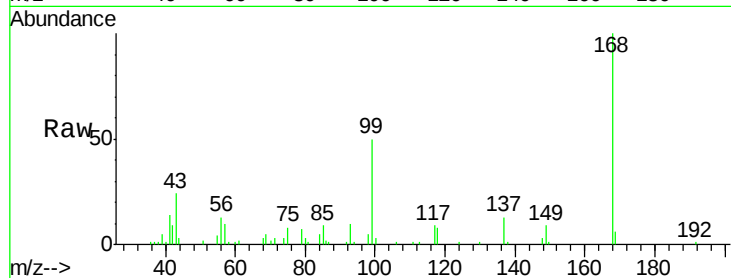
ClientSampleId :

Tot Ion:168 Resp: 138491

Ion Ratio Lower Upper

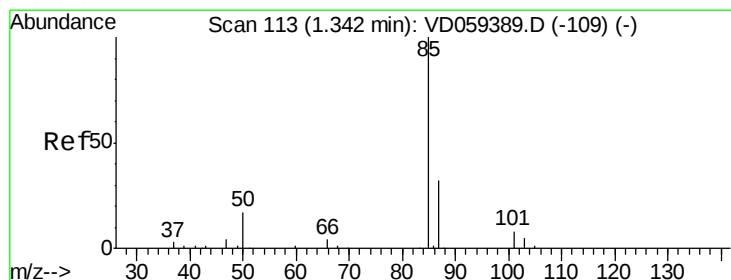
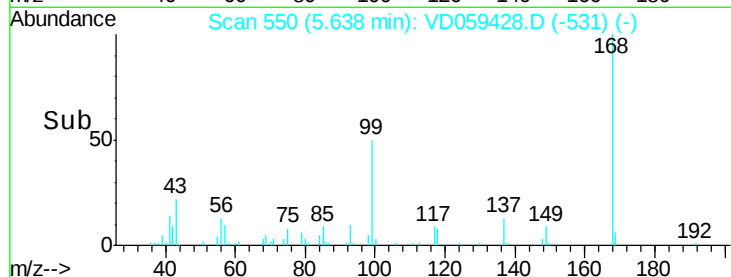
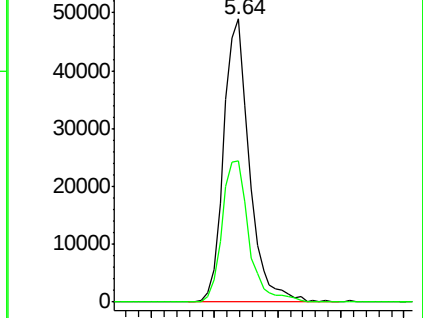
168 100

99 50.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 1.116 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD059428.D

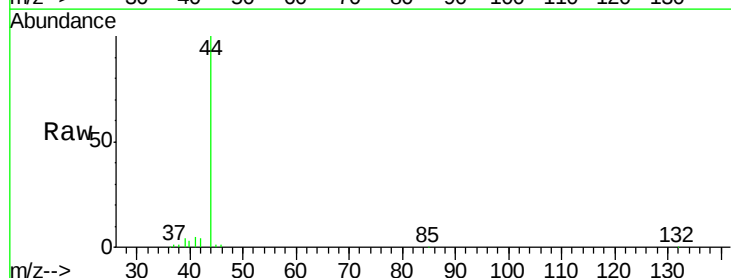
Acq: 26 Jun 2018 17:20

Tgt Ion: 85 Resp: 1375

Ion Ratio Lower Upper

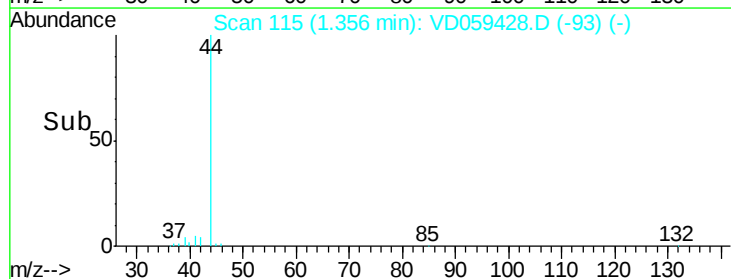
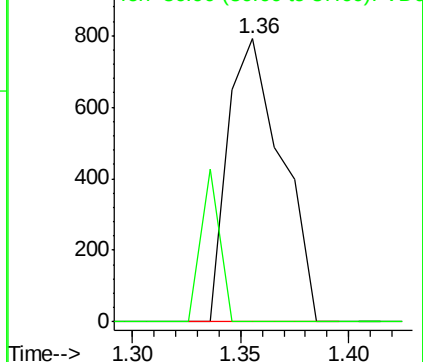
85 100

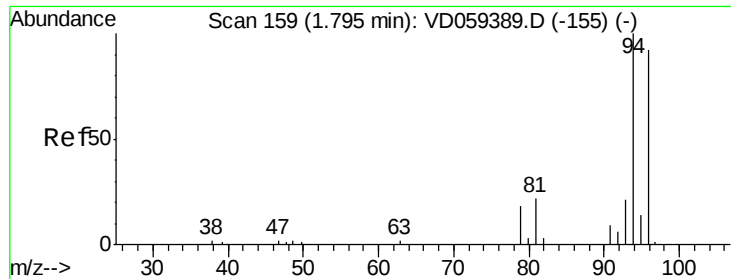
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

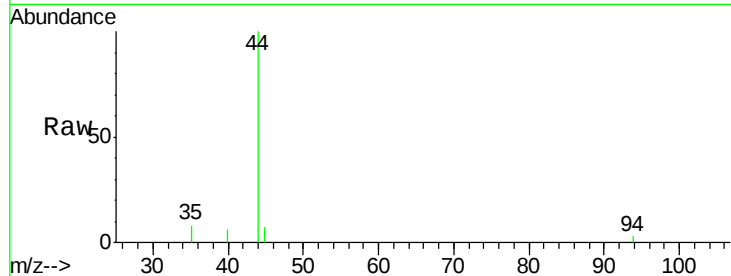
ClientSampleId :

Tot Ion: 94 Resp: 367

Ion Ratio Lower Upper

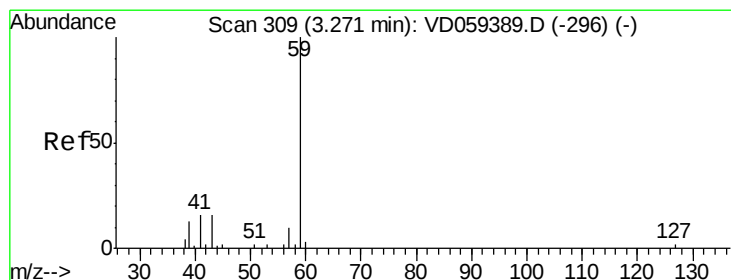
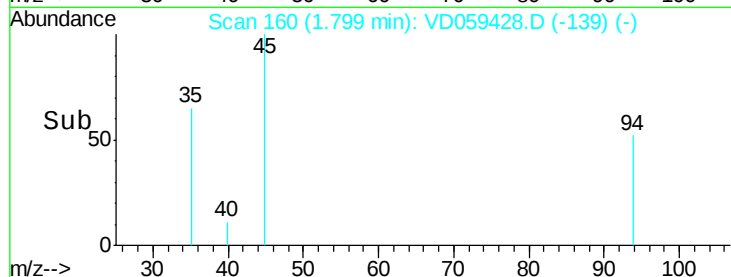
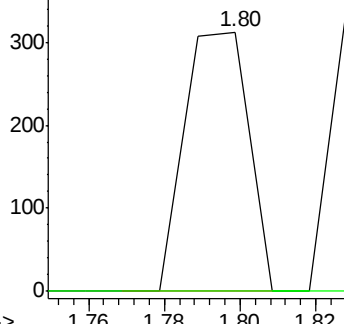
94 100

96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: 188.853 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.02 min

Lab File: VD059428.D

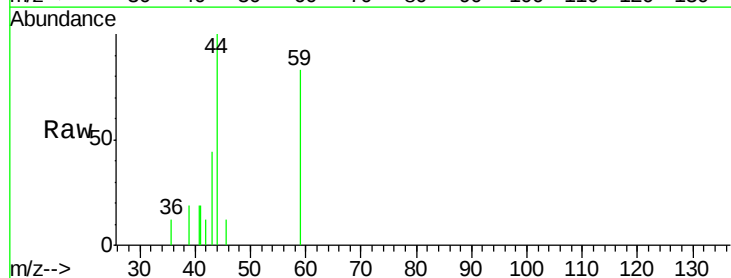
Acq: 26 Jun 2018 17:20

Tgt Ion: 59 Resp: 9253

Ion Ratio Lower Upper

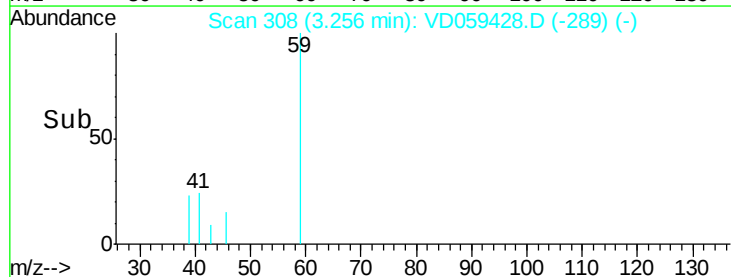
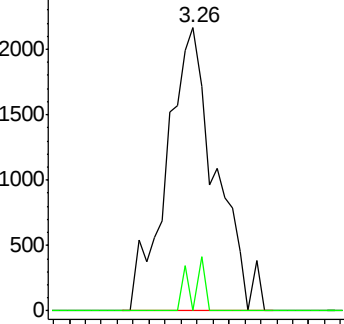
59 100

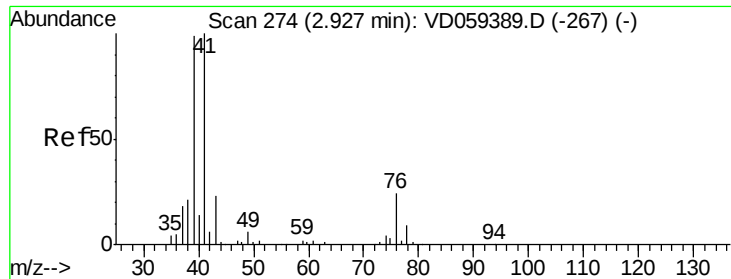
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

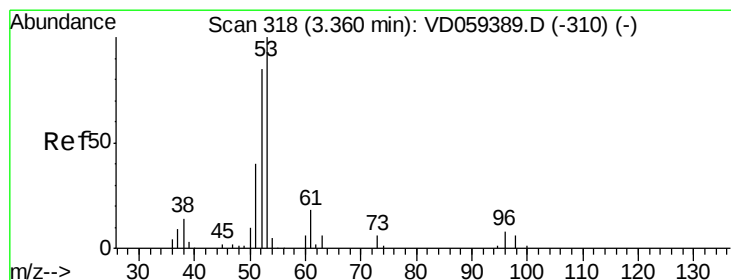
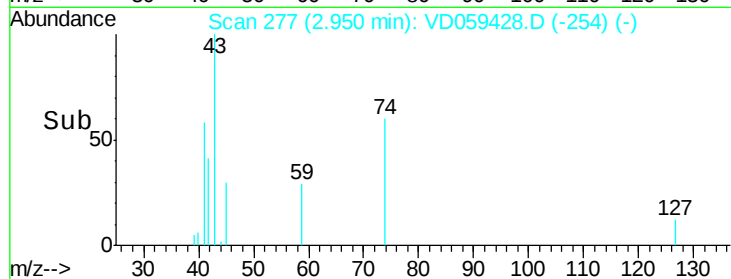
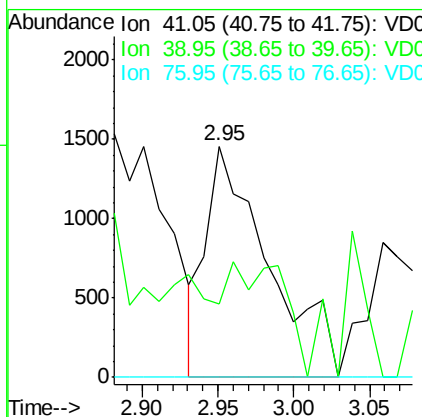
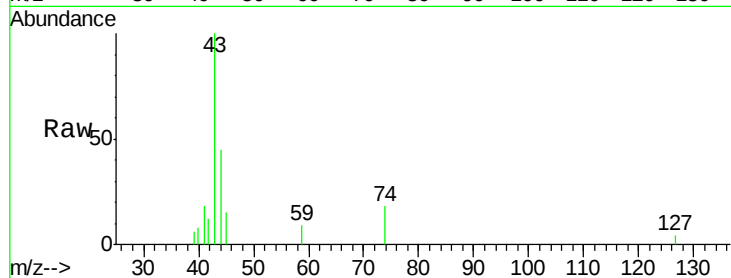




#14
Allvl chloride
Concen: 4.005 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

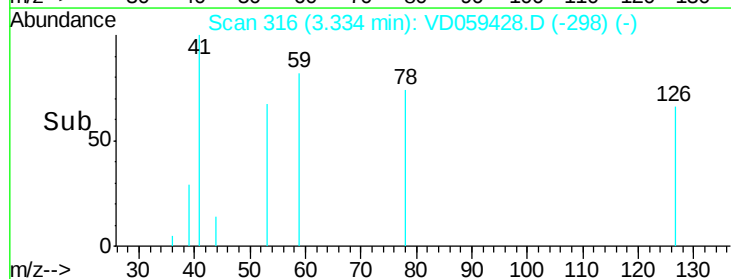
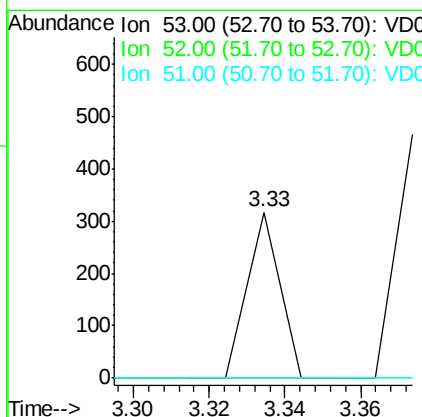
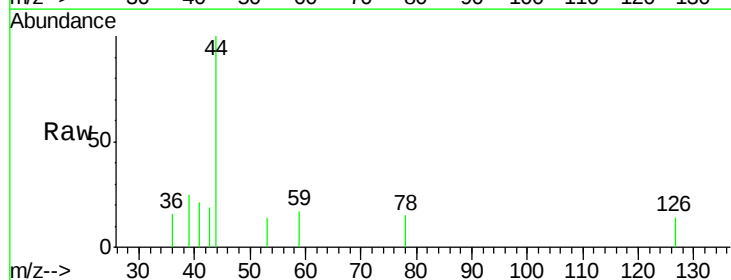
Instrument :
MSVOA_D
ClientSampleId :

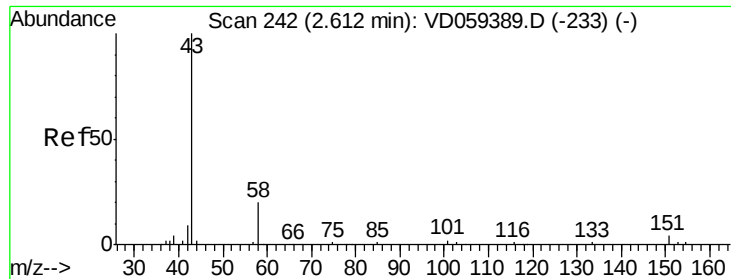
Tot Ion: 41 Resp: 4183
Ion Ratio Lower Upper
41 100
39 32.0 79.1 118.7#
76 0.0 21.9 32.9#



#15
Acrylonitrile
Concen: 1.244 ug/l
RT: 3.33 min Scan# 316
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 53 Resp: 187
Ion Ratio Lower Upper
53 100
52 0.0 67.9 101.9#
51 0.0 32.2 48.4#





#16

Acetone

Concen: 2400.899 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

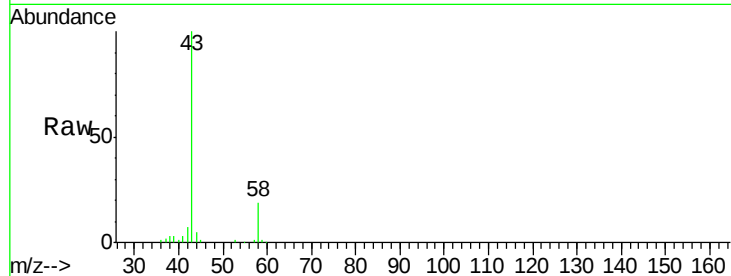
ClientSampleId :

Tot Ion: 43 Resp: 429150

Ion Ratio Lower Upper

43 100

58 19.1 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.61

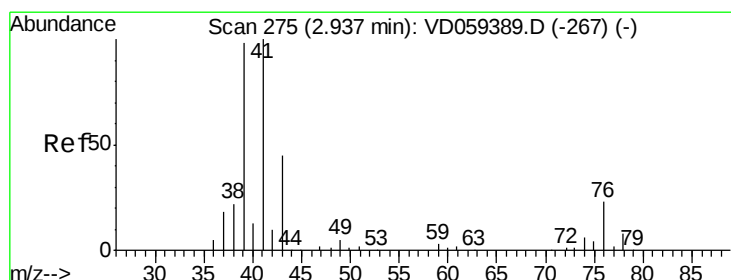
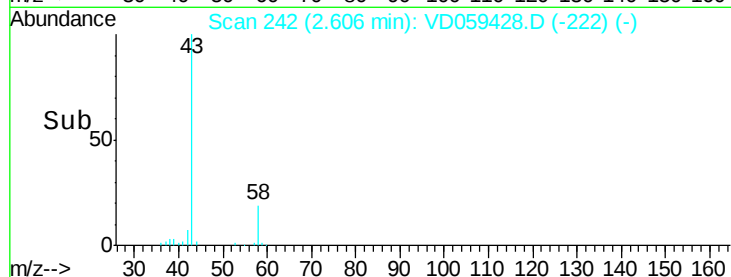
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 100.581 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD059428.D

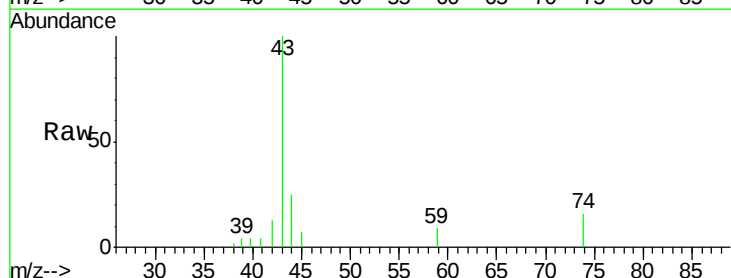
Acq: 26 Jun 2018 17:20

Tgt Ion: 43 Resp: 41150

Ion Ratio Lower Upper

43 100

74 15.9 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.93

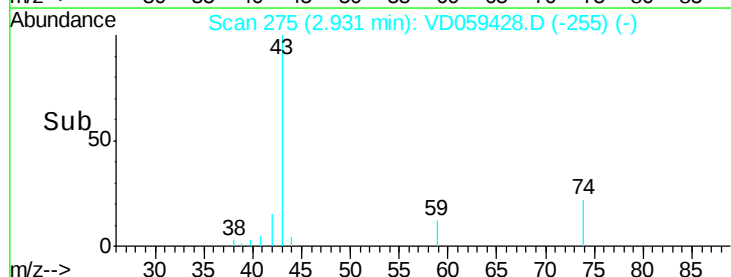
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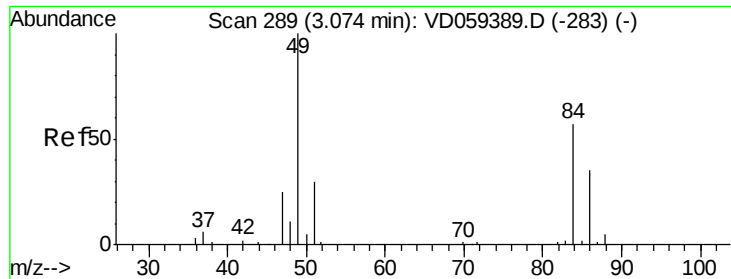
10000

5000

0

Time-->

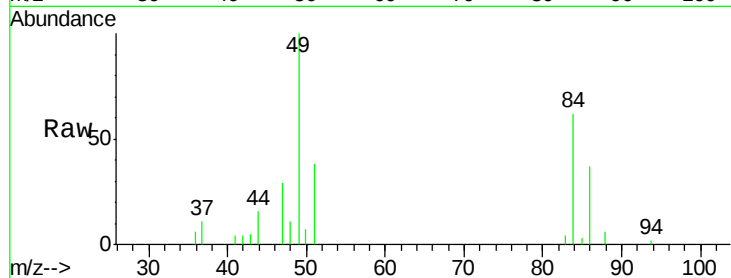




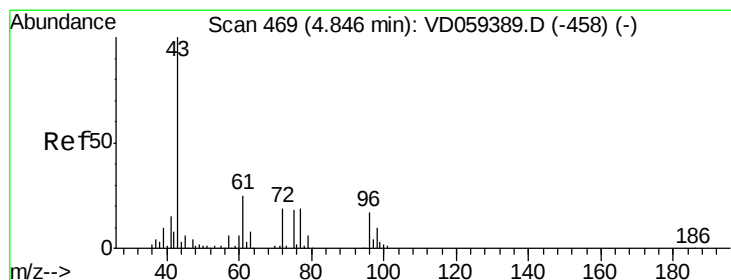
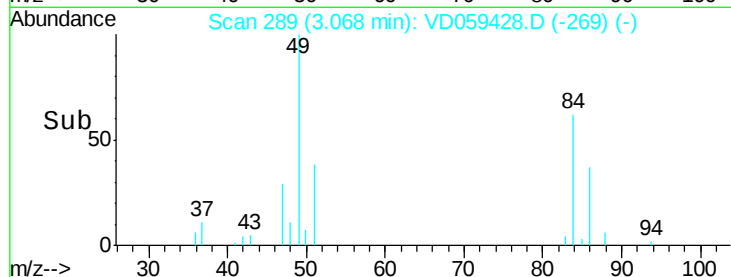
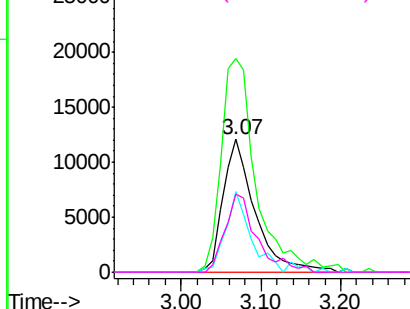
#20
Methvlene Chloride
Concen: 69.280 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	33866
Ion	Ratio	Lower	Upper
84	100		
49	161.0	140.3	210.5
51	60.8	41.6	62.4
86	59.4	49.4	74.2

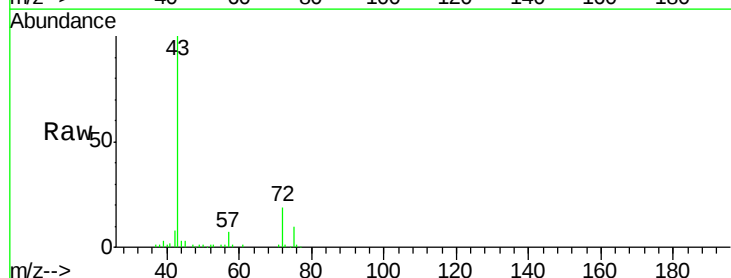


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

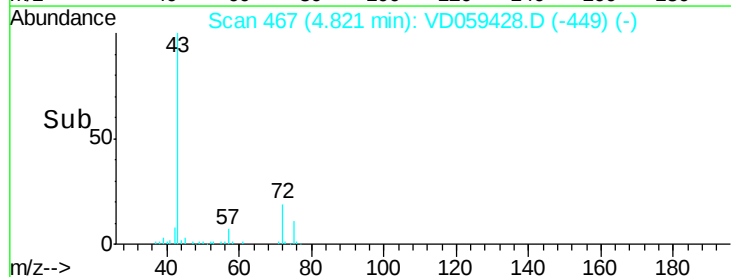
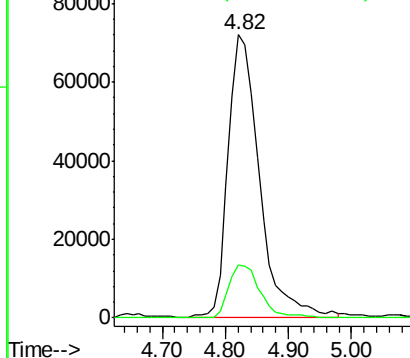


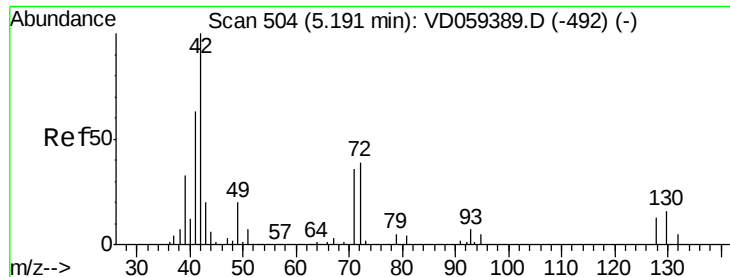
#25
2-Butanone
Concen: 665.935 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion:	43	Resp:	249351
Ion	Ratio	Lower	Upper
43	100		
72	18.6	15.4	23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

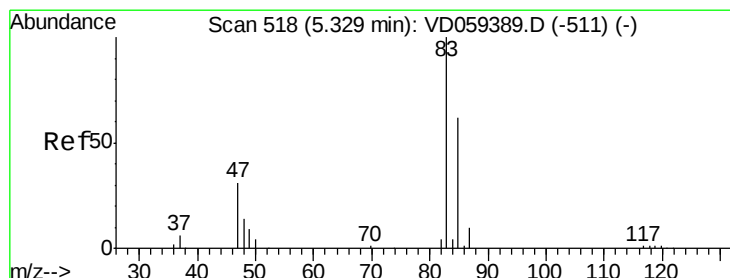
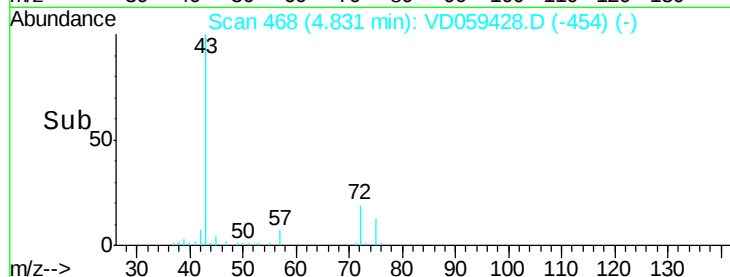
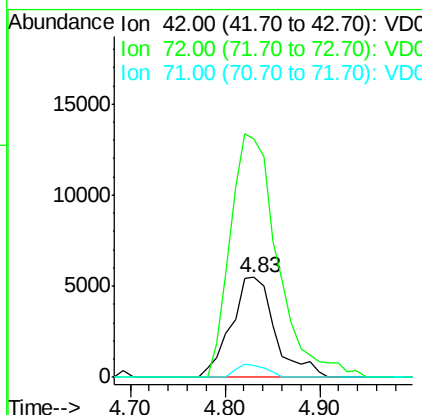
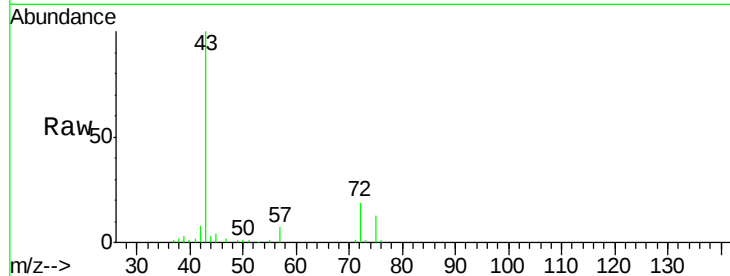




#29
Tetrahydrofuran
Concen: 86.601 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.36 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

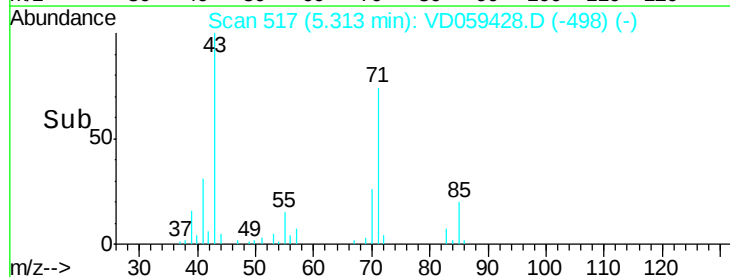
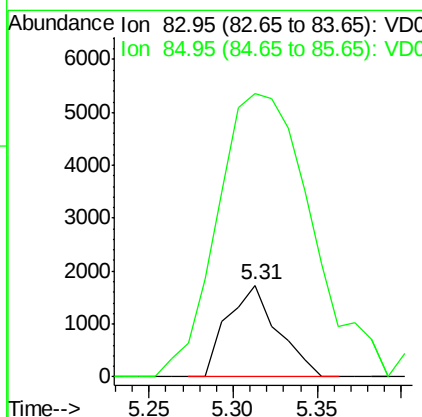
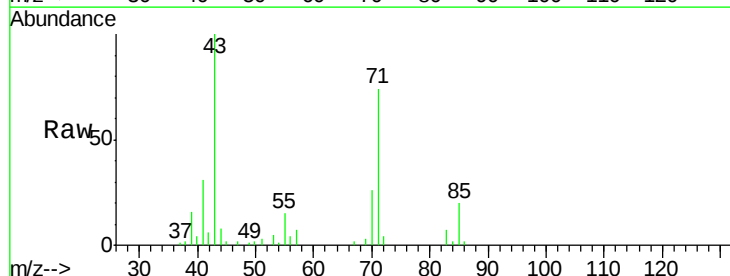
Instrument :
MSVOA_D
ClientSampled :

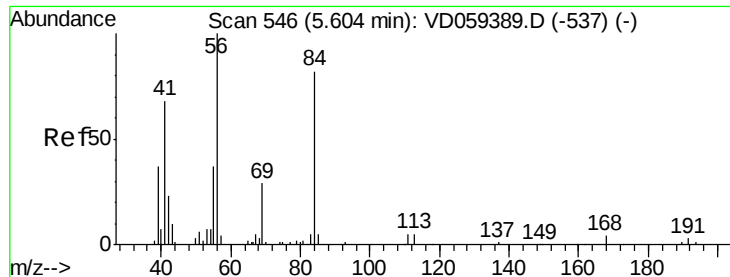
Tot Ion: 42 Resp: 17737
Ion Ratio Lower Upper
42 100
72 260.8 31.4 47.2#
71 0.0 29.7 44.5#



#30
Chloroform
Concen: 1.464 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 83 Resp: 3589
Ion Ratio Lower Upper
83 100
85 307.9 49.3 73.9#

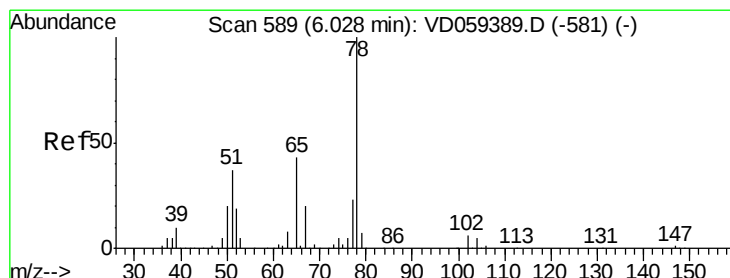
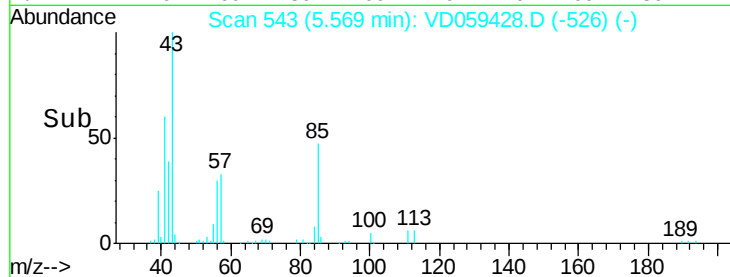
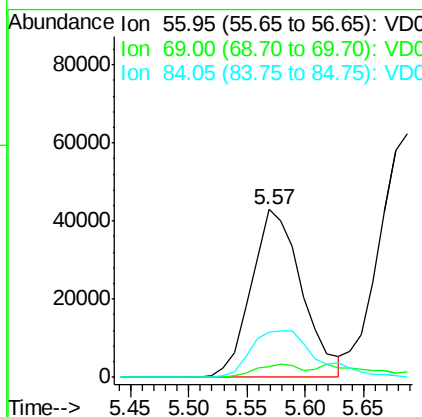
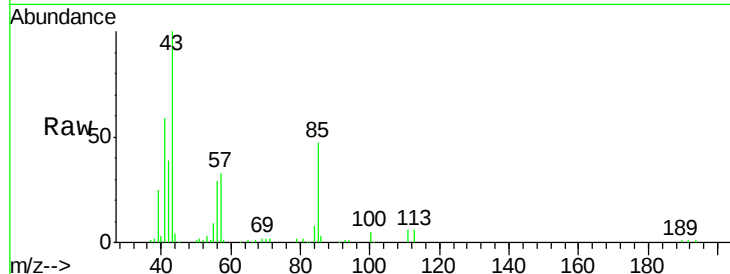




#31
Cyclohexane
Concen: 89.944 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.04 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

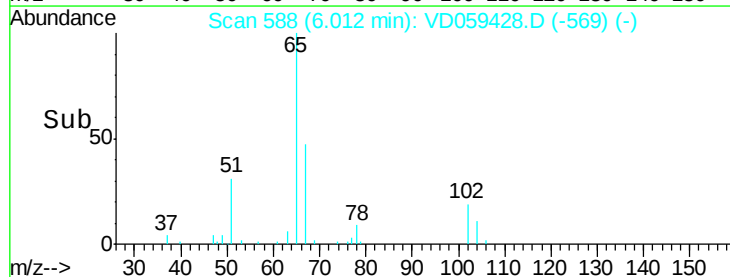
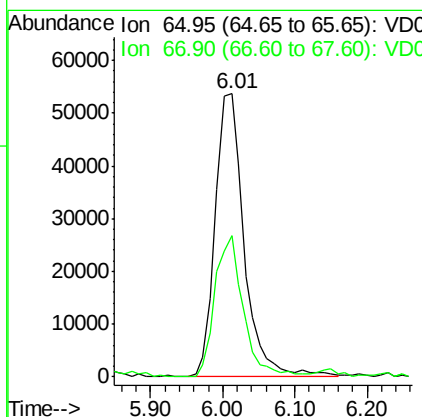
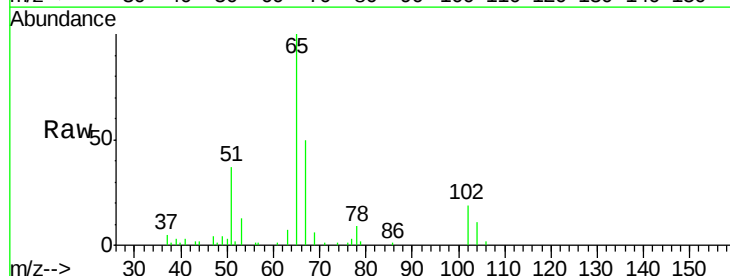
Instrument :
MSVOA_D
ClientSampled :

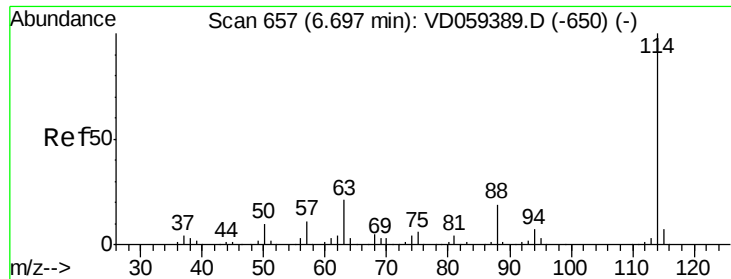
Tot Ion: 56 Resp: 128844
Ion Ratio Lower Upper
56 100
69 6.6 22.9 34.3#
84 26.8 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 65 Resp: 149042
Ion Ratio Lower Upper
65 100
67 49.8 0.0 93.8

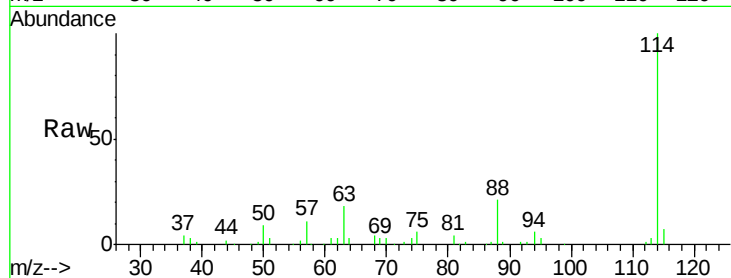




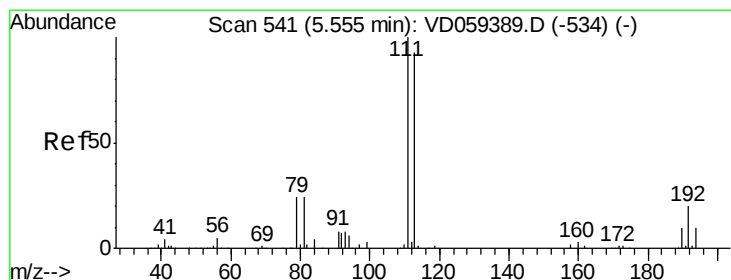
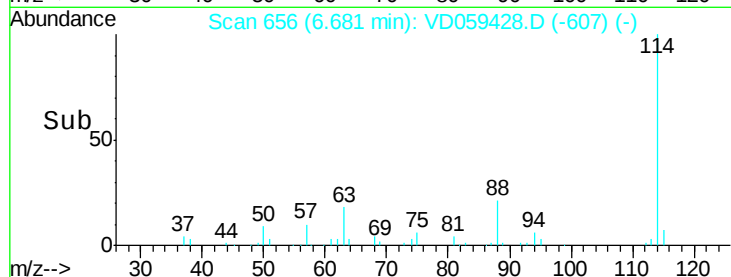
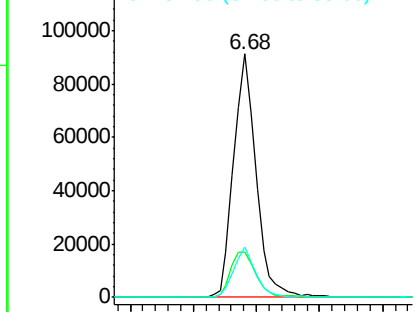
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 224488
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.4
 88 20.7 0.0 38.0

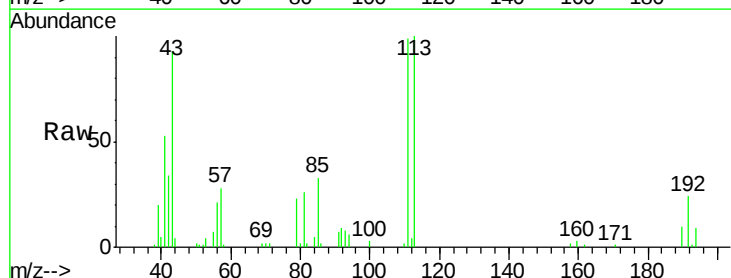


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

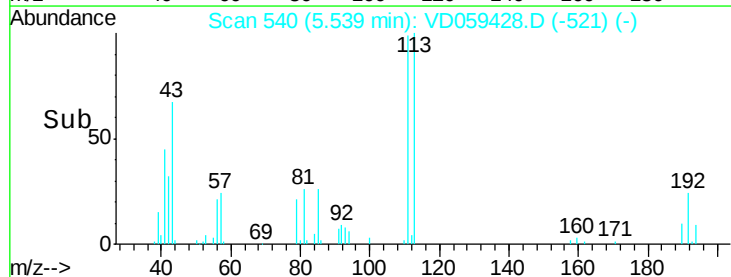
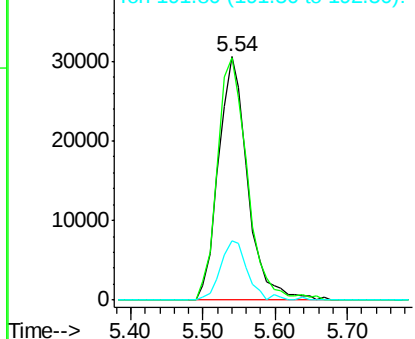


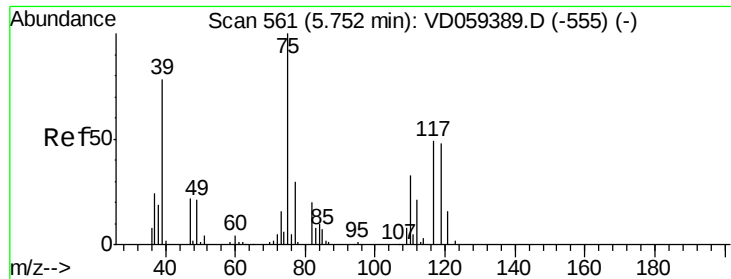
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Tgt Ion:113 Resp: 85151
 Ion Ratio Lower Upper
 113 100
 111 99.3 85.7 128.5
 192 24.5 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.477 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

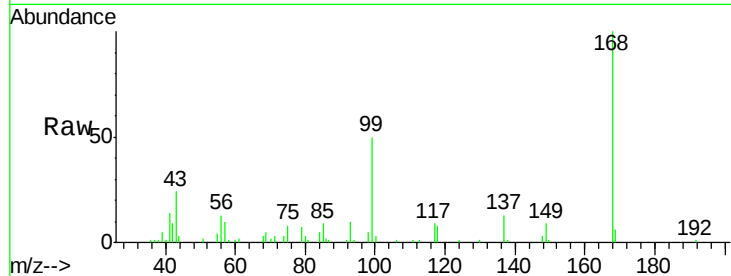
Tot Ion: 75 Resp: 11153

Ion Ratio Lower Upper

75 100

110 0.0 16.1 48.2#

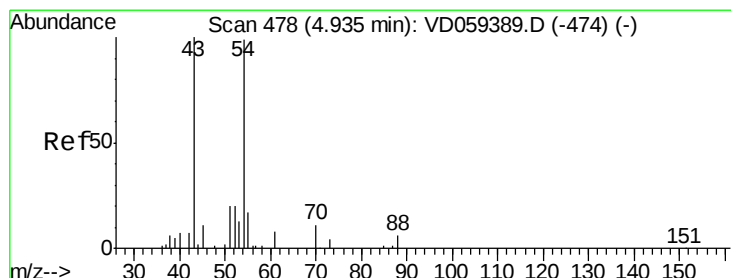
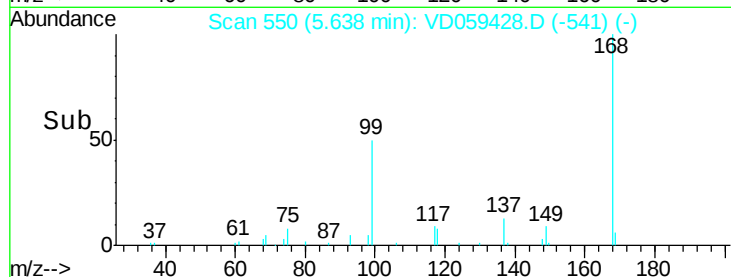
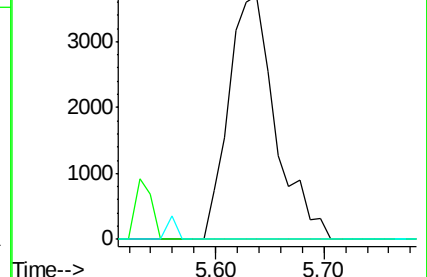
77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 202.672 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.11 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

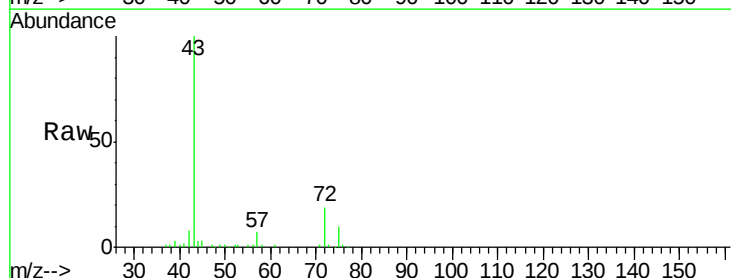
Tgt Ion: 43 Resp: 251347

Ion Ratio Lower Upper

43 100

61 0.8 11.8 17.8#

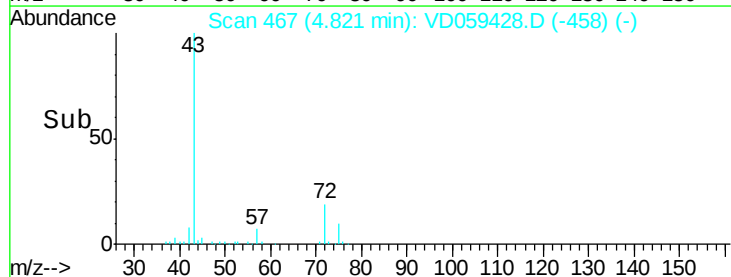
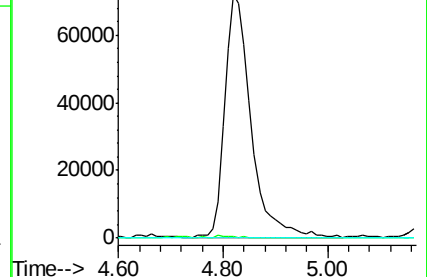
70 0.0 6.1 9.1#

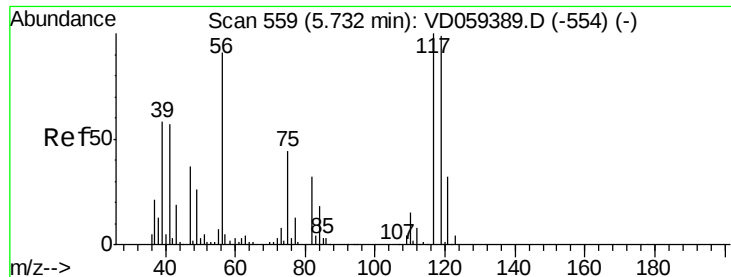


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.493 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

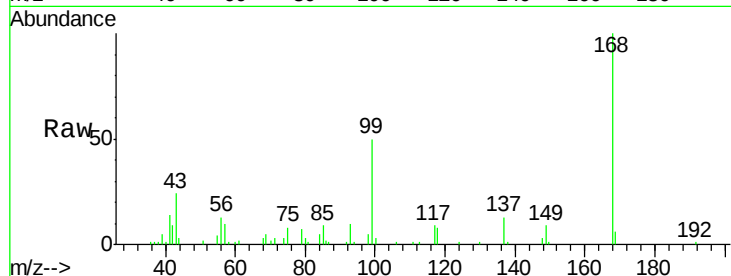
Tot Ion:117 Resp: 11533

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

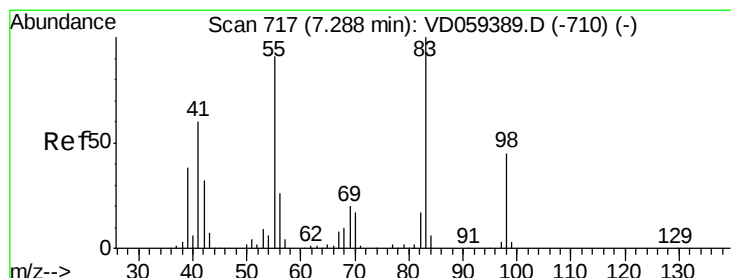
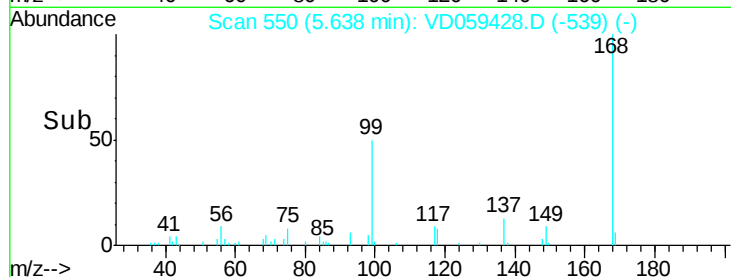
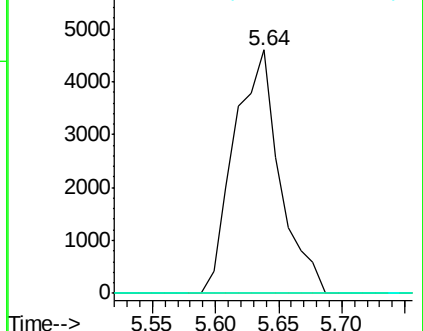
121 0.0 25.0 37.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 7.966 ug/l

RT: 7.26 min Scan# 715

Delta R.T. -0.03 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

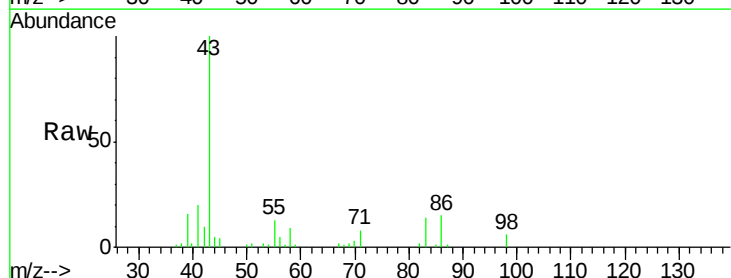
Tgt Ion: 83 Resp: 15386

Ion Ratio Lower Upper

83 100

55 97.4 72.6 109.0

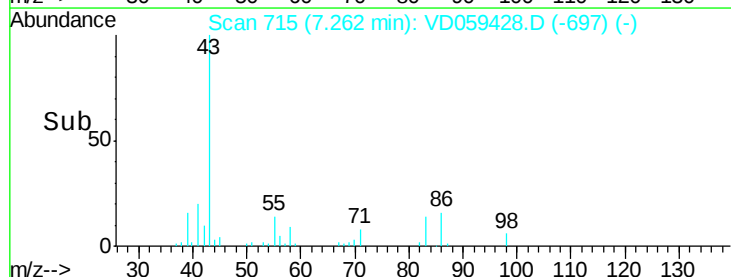
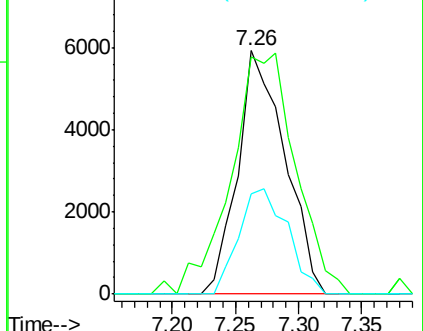
98 41.1 35.8 53.6

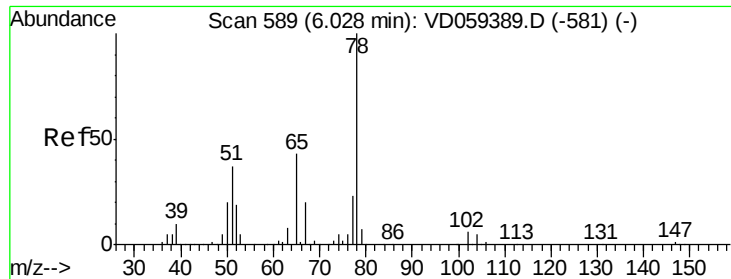


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

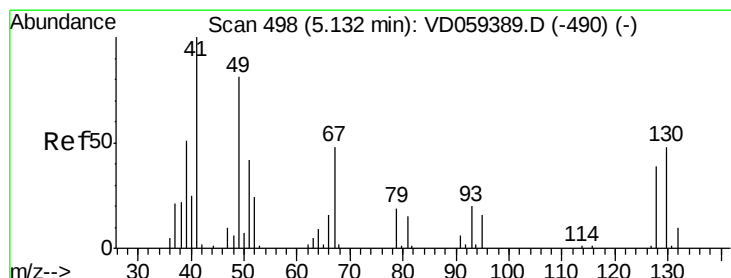
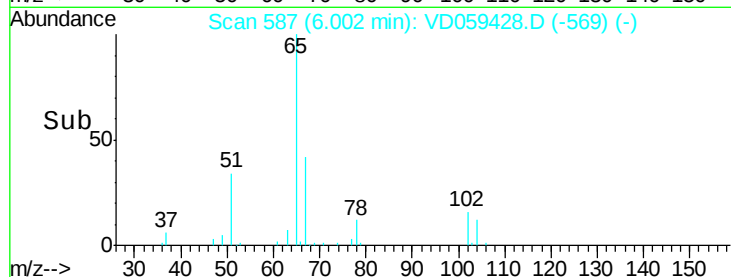
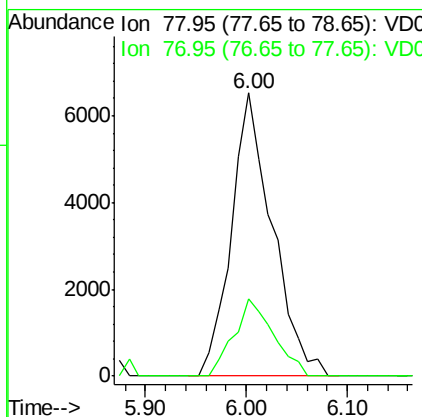
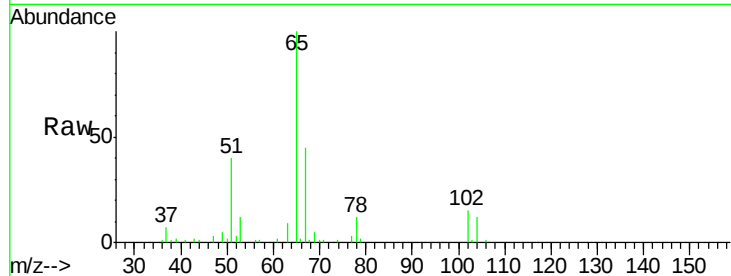




#40
Benzene
Concen: 3.750 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

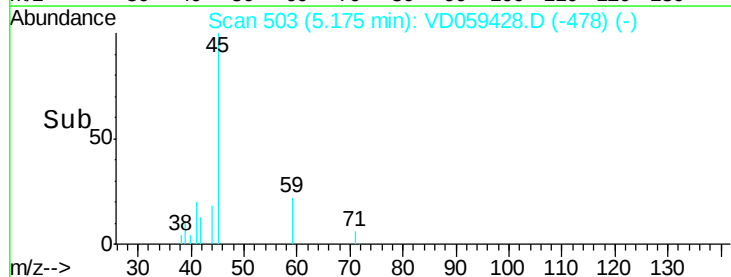
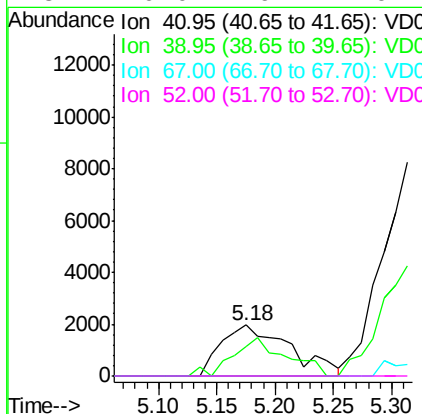
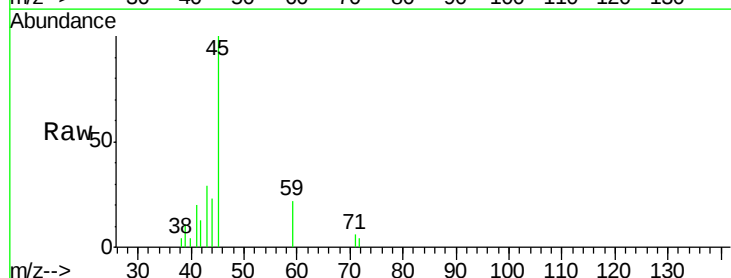
Instrument :
MSVOA_D
ClientSampleId :

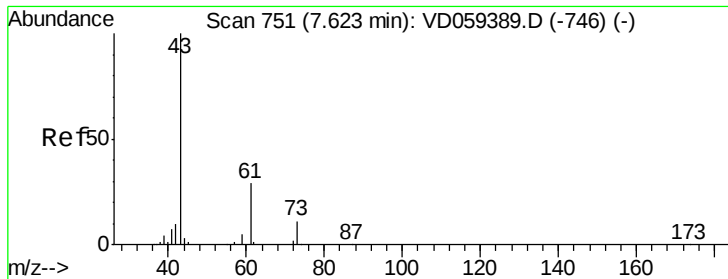
Tot Ion: 78 Resp: 18328
Ion Ratio Lower Upper
78 100
77 27.4 18.1 27.1#



#41
Methacrylonitrile
Concen: 13.418 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.04 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 41 Resp: 8015
Ion Ratio Lower Upper
41 100
39 58.2 41.5 62.3
67 0.0 38.7 58.1#
52 0.0 19.4 29.2#



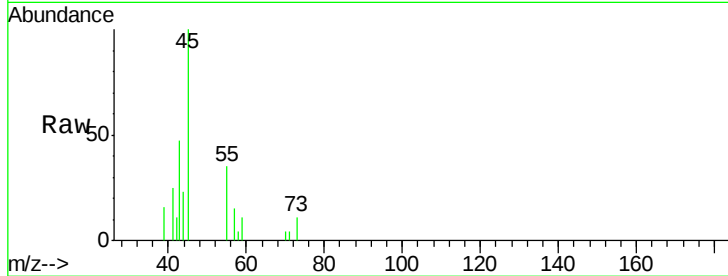


#43

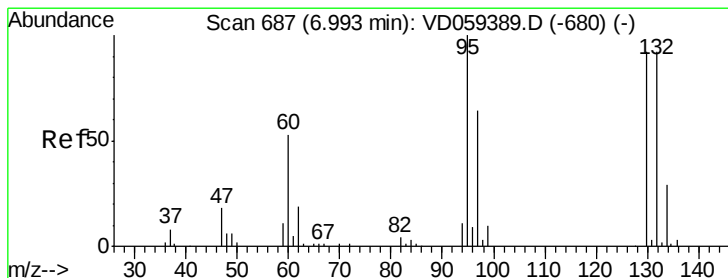
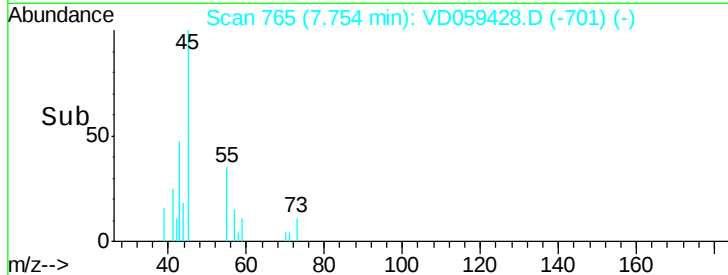
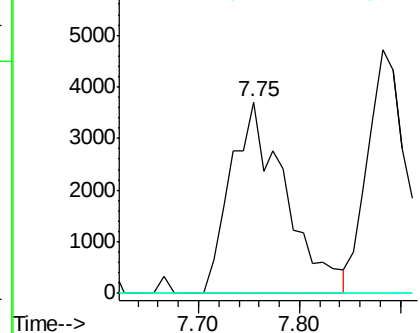
Isopropyl Acetate
 Concen: 8.983 ug/l
 RT: 7.75 min Scan# 765
 Delta R.T. 0.13 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 13991
 Ion Ratio Lower Upper
 43 100
 61 0.0 23.1 34.7#
 87 0.0 0.2 0.4#



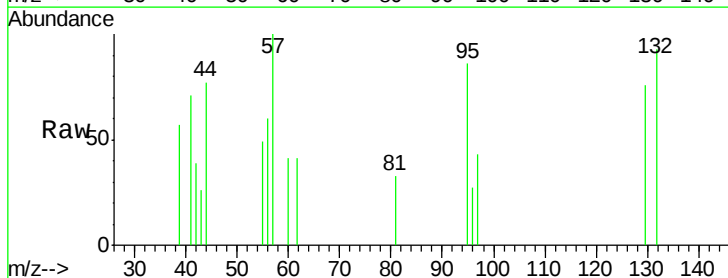
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



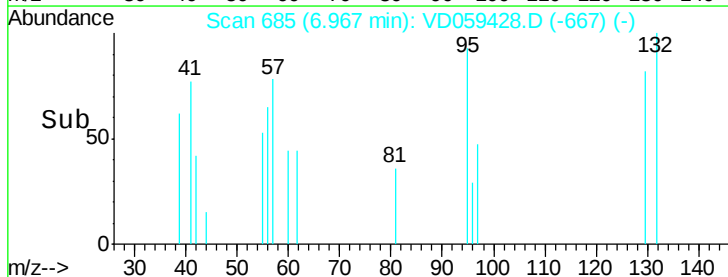
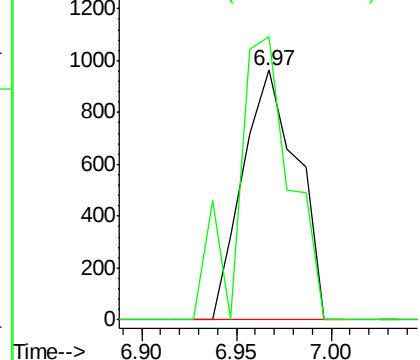
#44

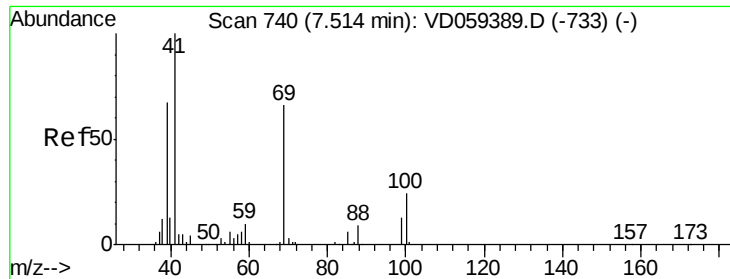
Trichloroethene
 Concen: 1.199 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Tgt Ion: 130 Resp: 1919
 Ion Ratio Lower Upper
 130 100
 95 113.4 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

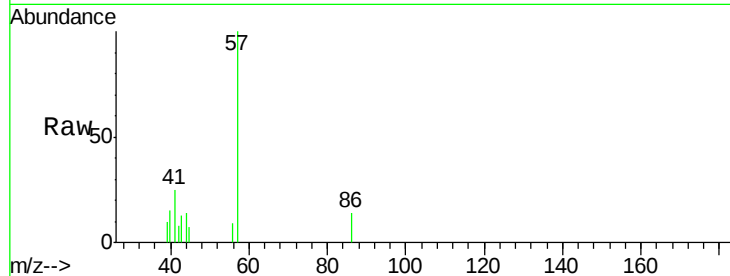




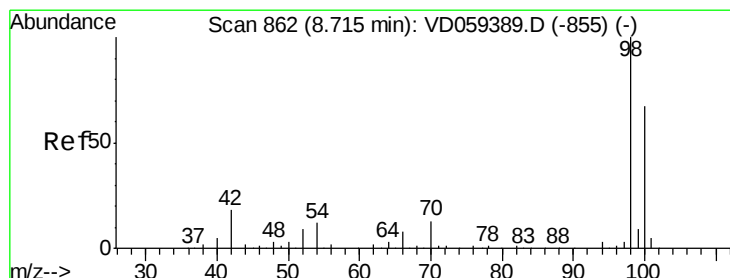
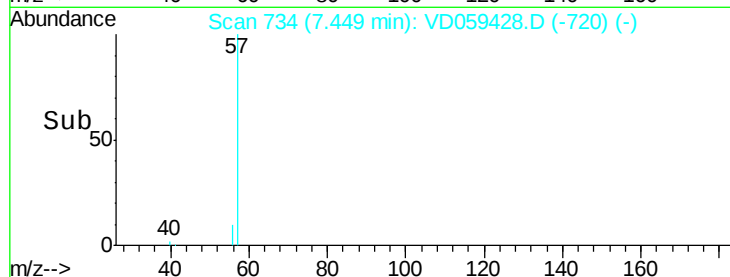
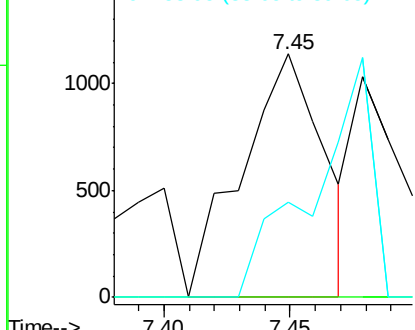
#48
Methyl methacrylate
Concen: 2.711 ug/l
RT: 7.45 min Scan# 734
Delta R.T. -0.07 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 2572
Ion Ratio Lower Upper
41 100
69 0.0 52.6 79.0#
39 39.2 53.6 80.4#

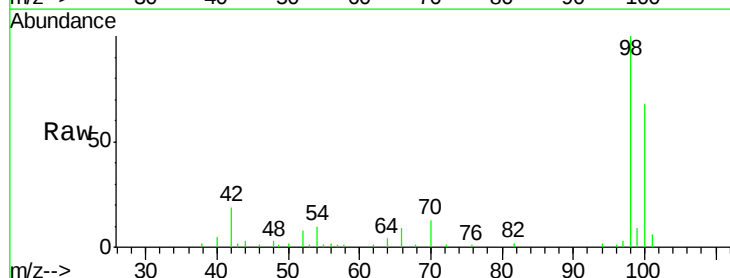


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

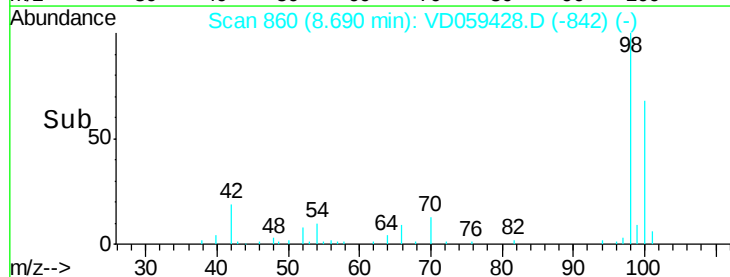
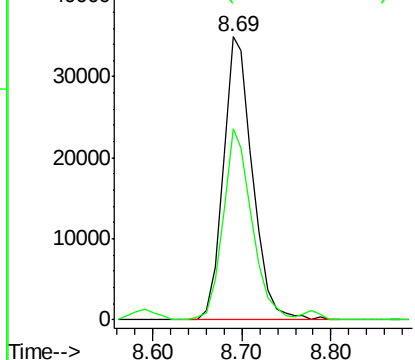


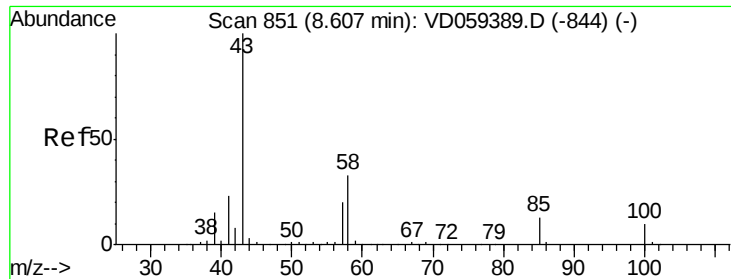
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 98 Resp: 80206
Ion Ratio Lower Upper
98 100
100 67.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 35.881 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

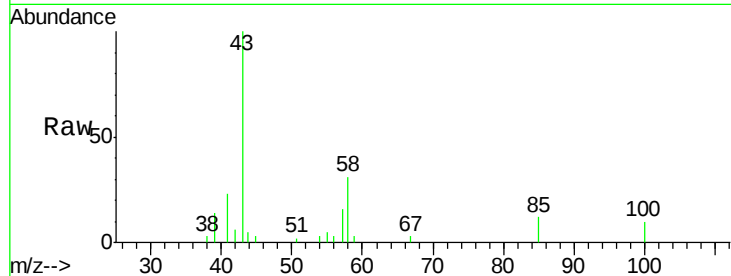
ClientSampleId :

Tot Ion: 43 Resp: 37238

Ion Ratio Lower Upper

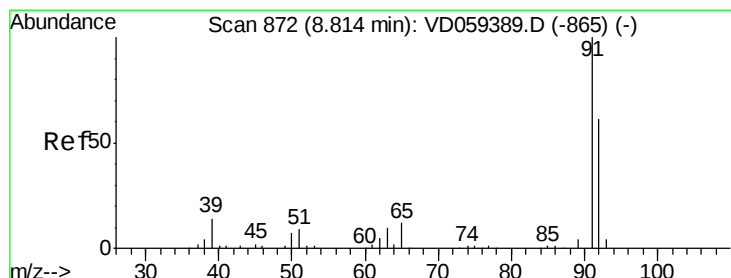
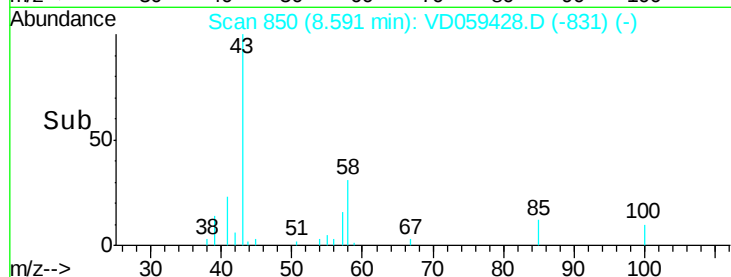
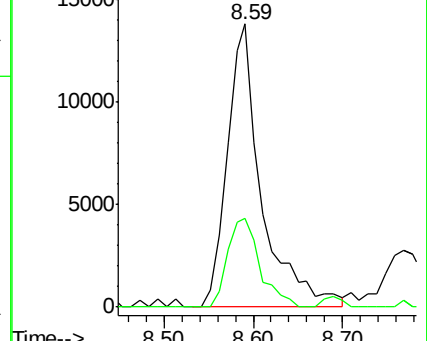
43 100

58 31.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.720 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059428.D

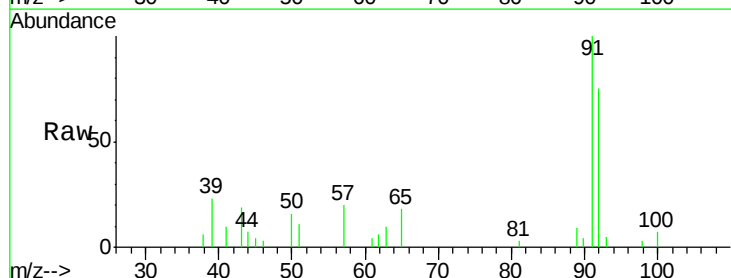
Acq: 26 Jun 2018 17:20

Tgt Ion: 92 Resp: 13776

Ion Ratio Lower Upper

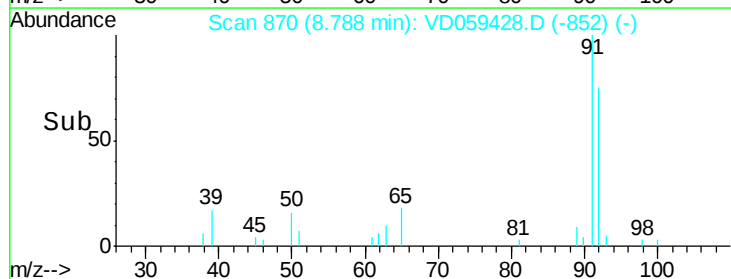
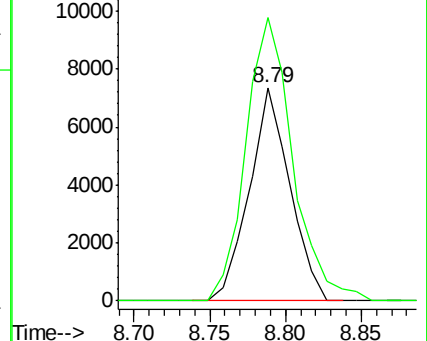
92 100

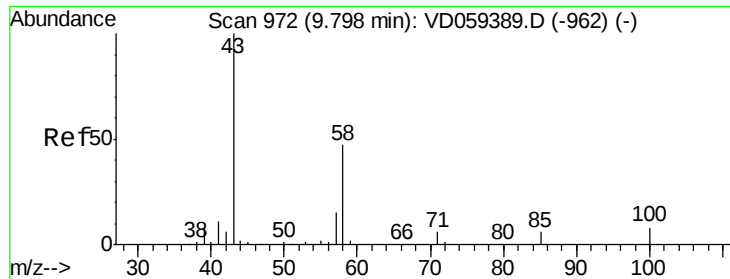
91 132.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

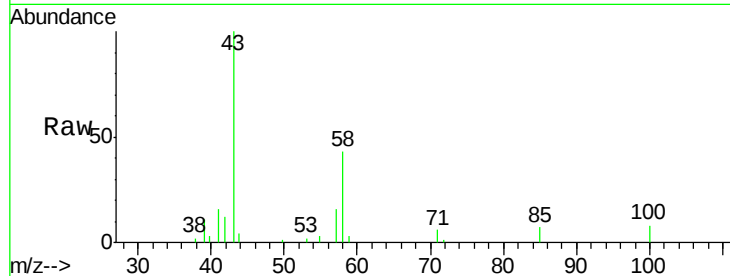




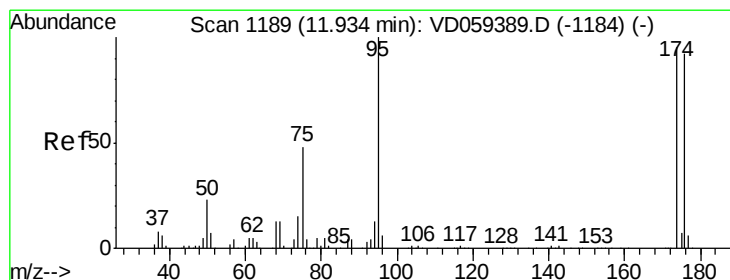
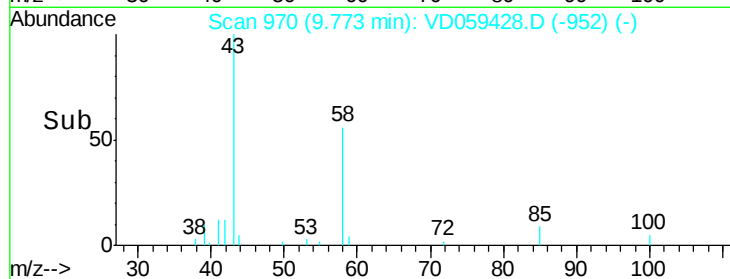
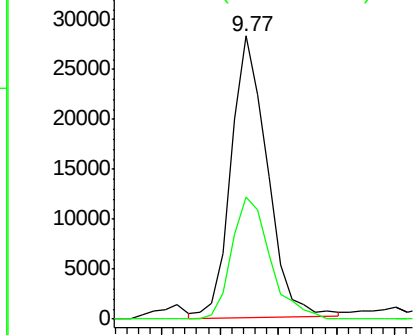
#59
2-Hexanone
Concen: 81.795 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.03 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 60333
Ion Ratio Lower Upper
43 100
58 43.2 23.3 69.9

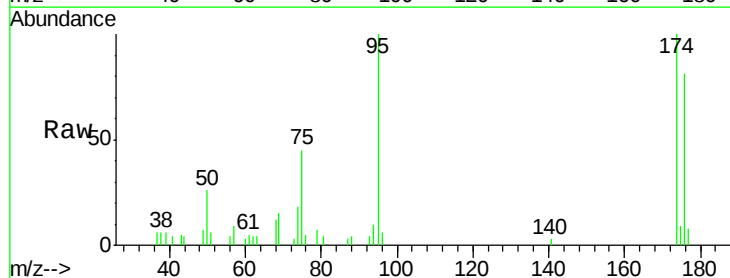


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

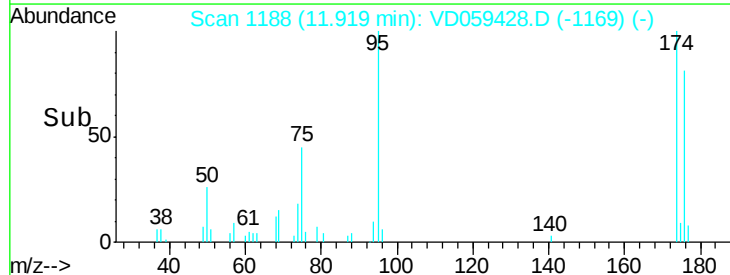
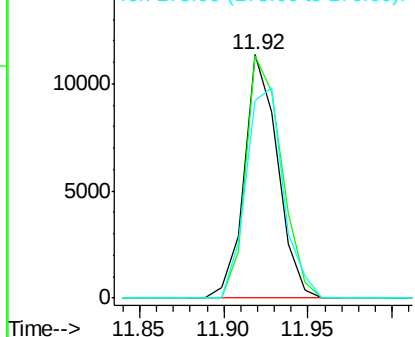


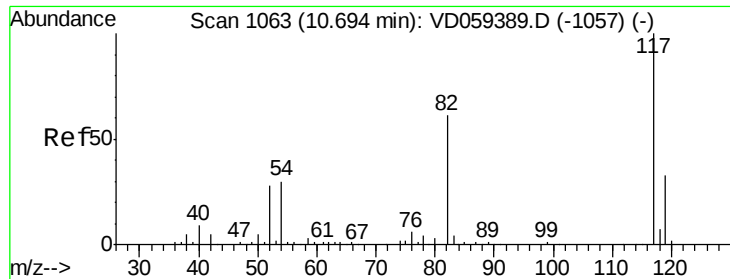
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion: 95 Resp: 15584
Ion Ratio Lower Upper
95 100
174 99.5 0.0 190.4
176 81.0 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

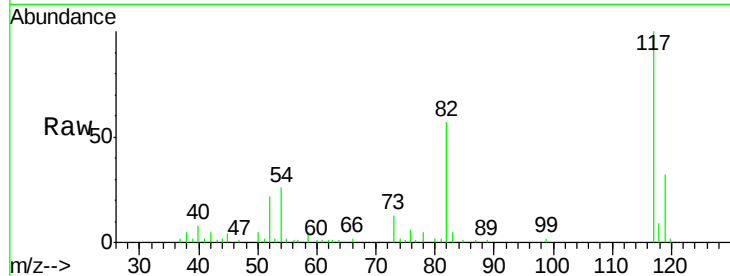




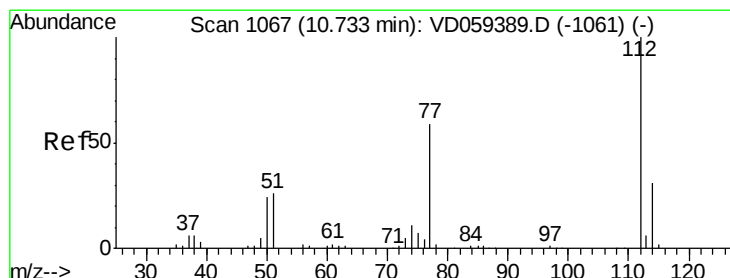
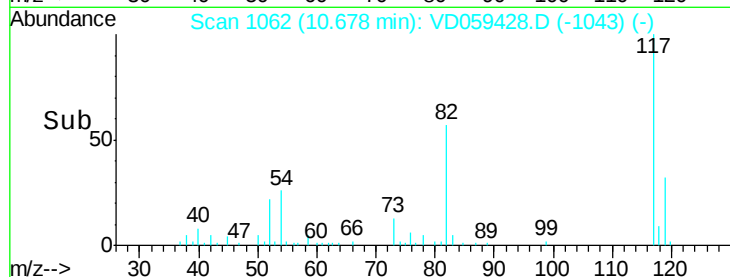
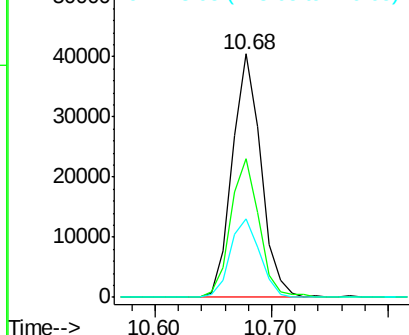
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 69165
Ion Ratio Lower Upper
117 100
82 56.9 49.0 73.6
119 32.0 26.2 39.4

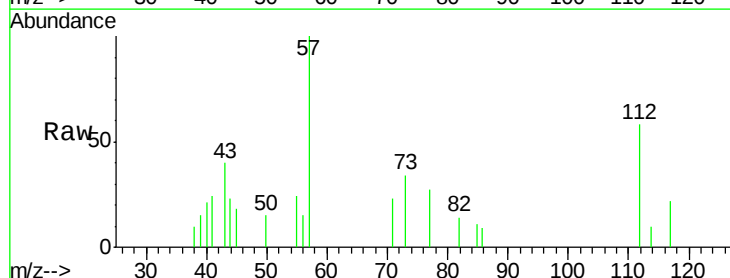


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

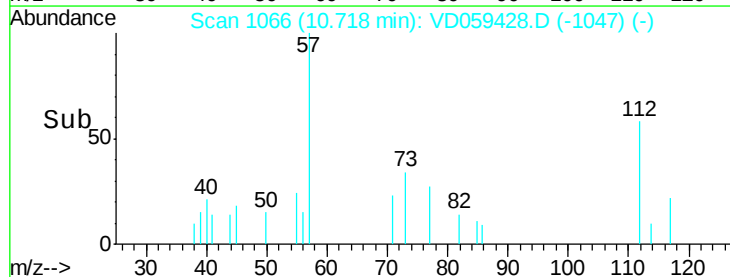
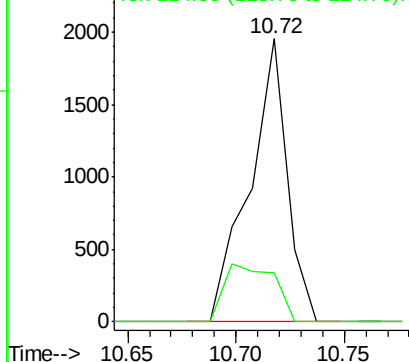


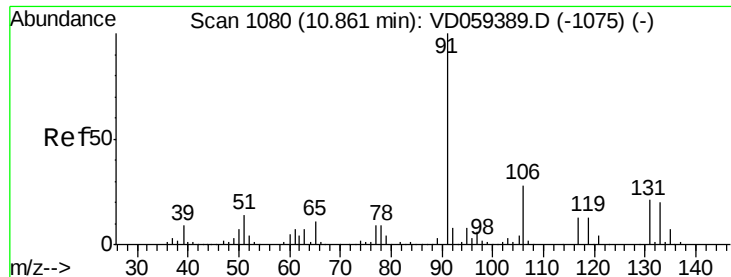
#65
Chlorobenzene
Concen: 1.882 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion:112 Resp: 2380
Ion Ratio Lower Upper
112 100
114 17.1 24.6 37.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#67

Ethyl Benzene

Concen: 4.641 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

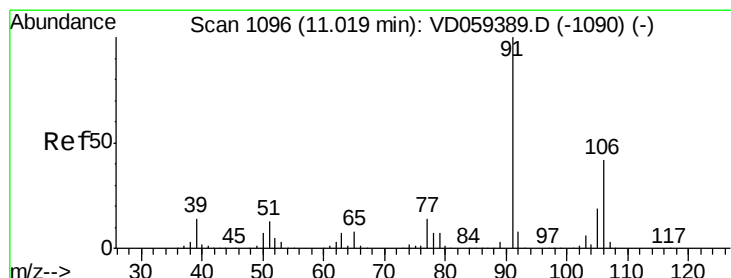
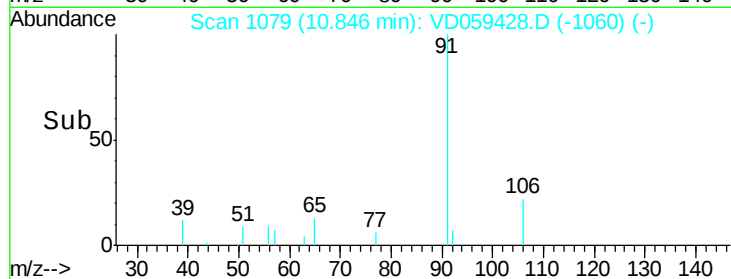
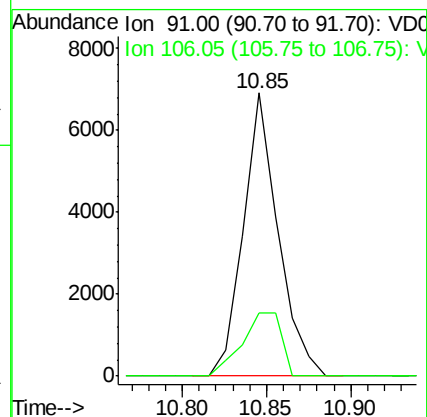
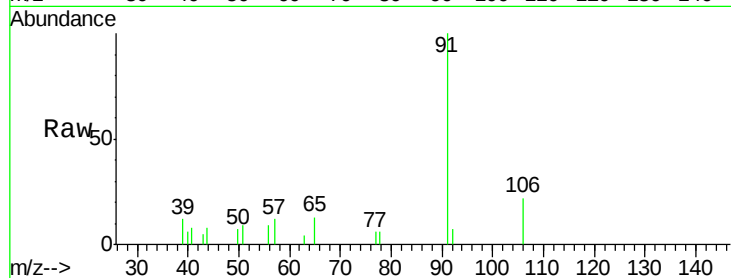
ClientSampled :

Tot Ion: 91 Resp: 9904

Ion Ratio Lower Upper

91 100

106 22.2 22.3 33.5#



#68

m/p-Xylenes

Concen: 12.228 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.02 min

Lab File: VD059428.D

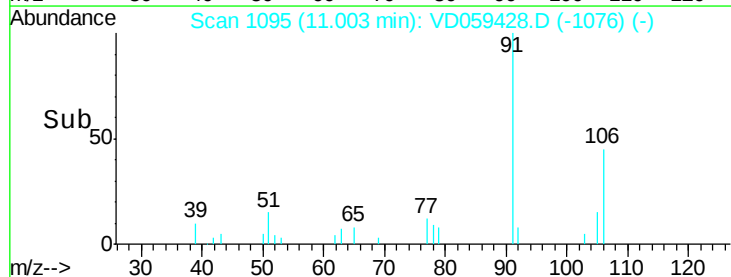
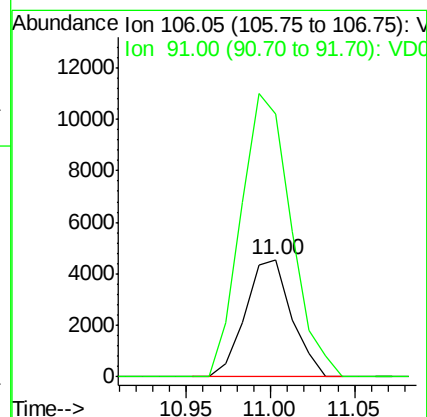
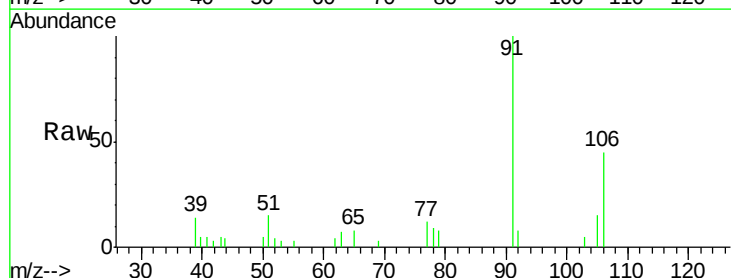
Acq: 26 Jun 2018 17:20

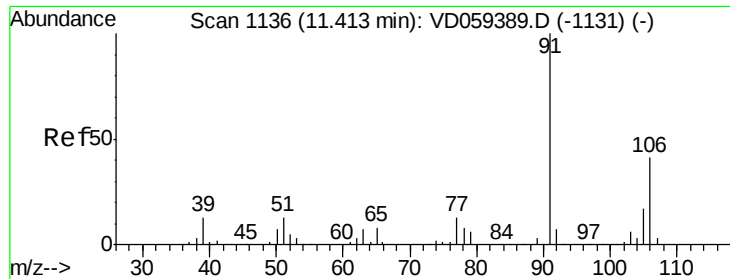
Tgt Ion: 106 Resp: 8658

Ion Ratio Lower Upper

106 100

91 224.3 191.0 286.6

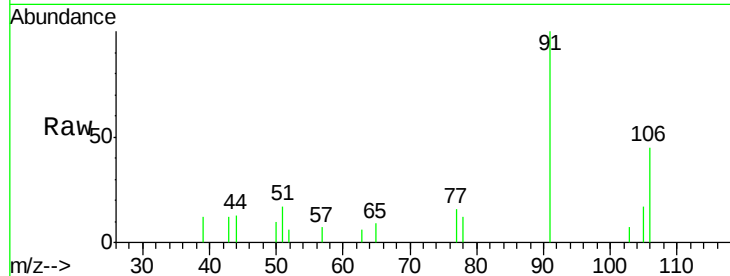




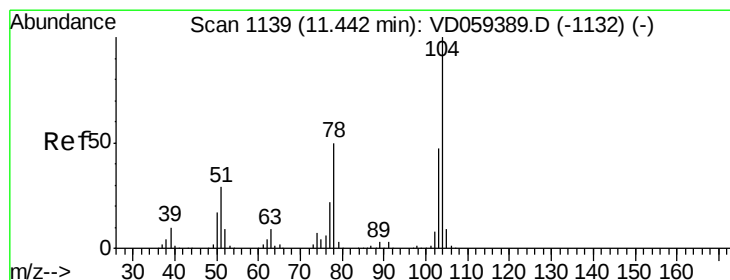
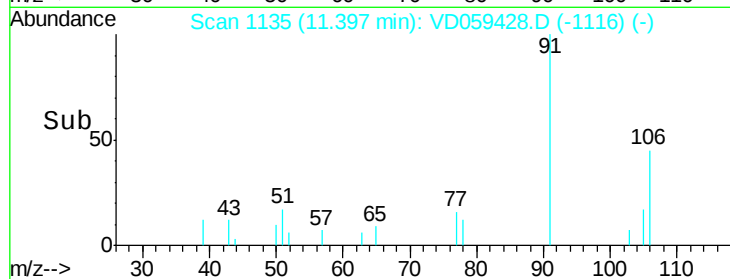
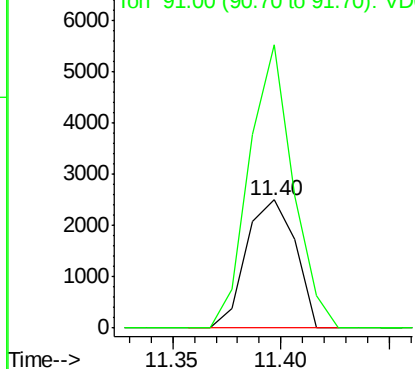
#69
o-Xylene
Concen: 5.661 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 3963
Ion Ratio Lower Upper
106 100
91 220.6 121.0 362.8

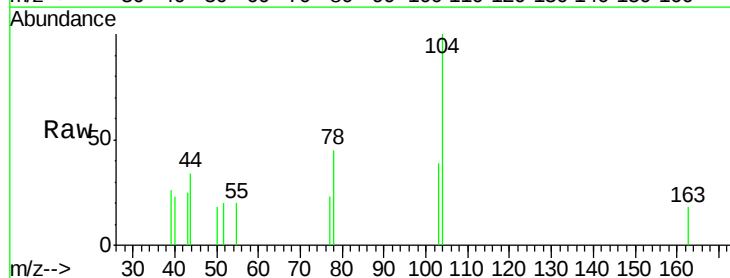


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

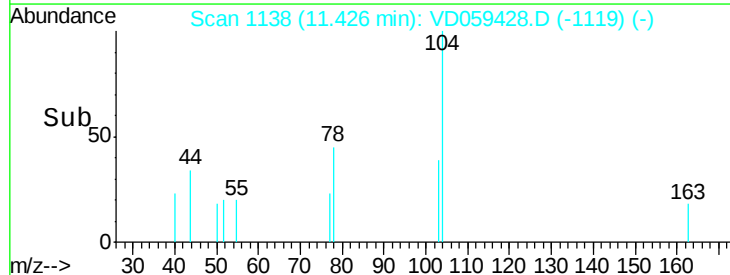
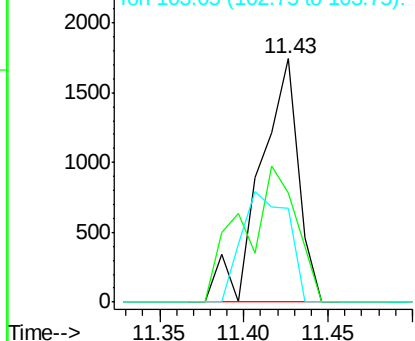


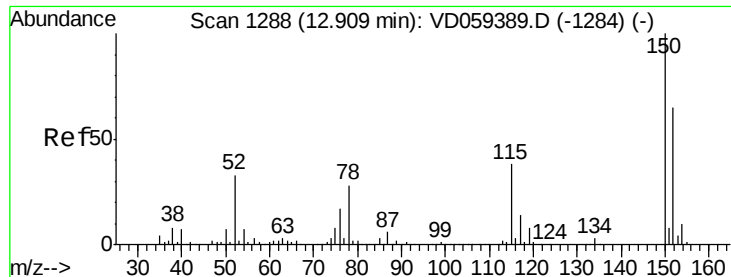
#70
Styrene
Concen: 2.290 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion:104 Resp: 2748
Ion Ratio Lower Upper
104 100
78 44.9 40.2 60.4
103 38.6 37.8 56.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

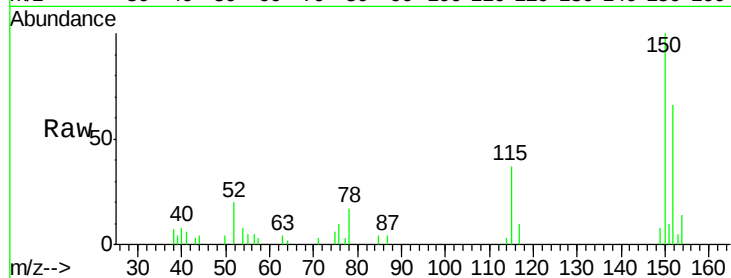
Tot Ion:152 Resp: 12389

Ion Ratio Lower Upper

152 100

115 55.0 29.4 88.3

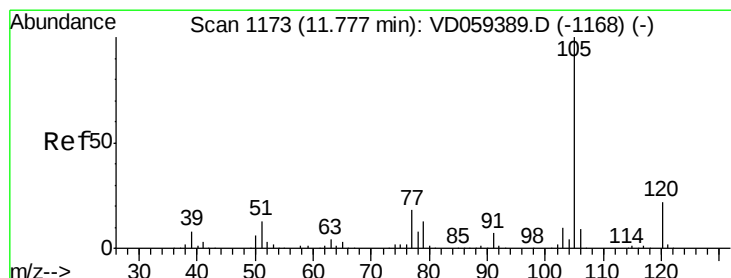
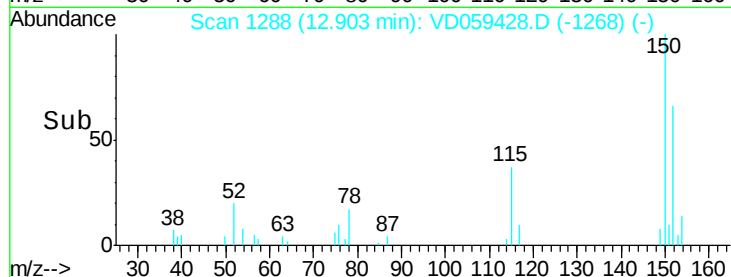
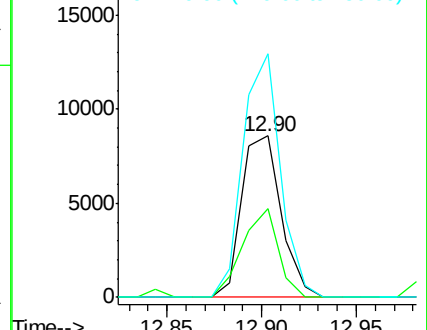
150 150.8 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.111 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VD059428.D

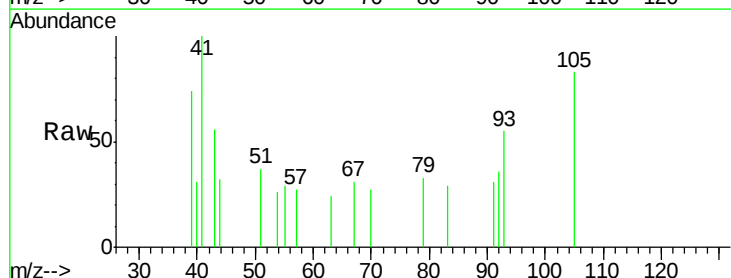
Acq: 26 Jun 2018 17:20

Tgt Ion:105 Resp: 1476

Ion Ratio Lower Upper

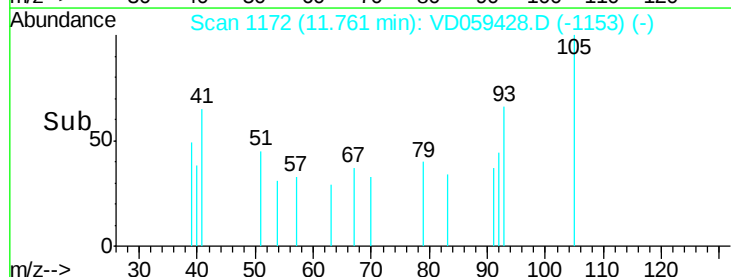
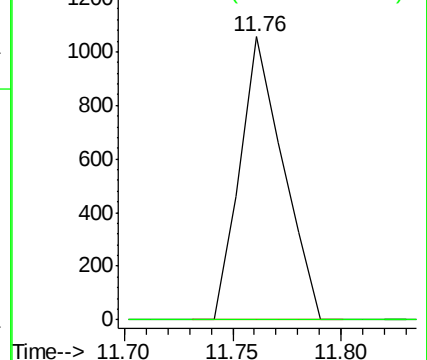
105 100

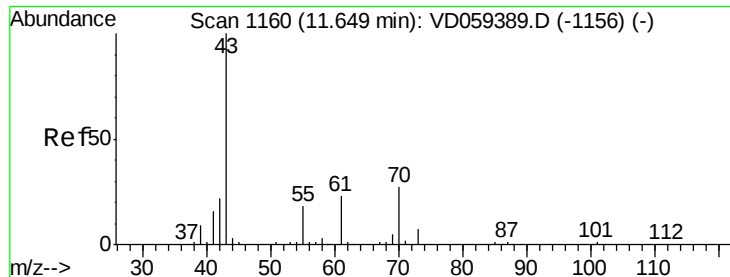
120 0.0 11.0 33.0#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 21.715 ug/l

RT: 11.69 min Scan# 1165

Delta R.T. 0.04 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 5776

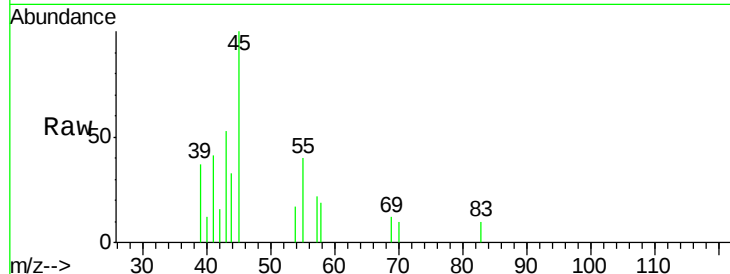
Ion Ratio Lower Upper

43 100

70 18.4 21.7 32.5#

55 75.9 14.6 22.0#

61 0.0 18.0 27.0#

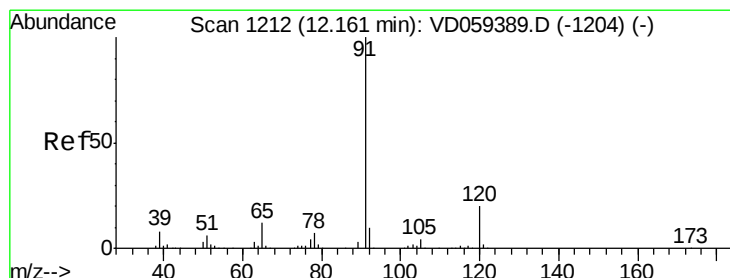
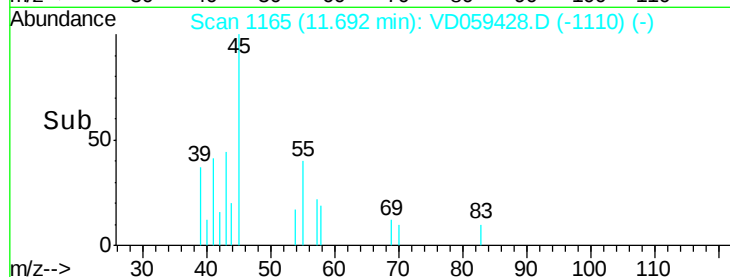
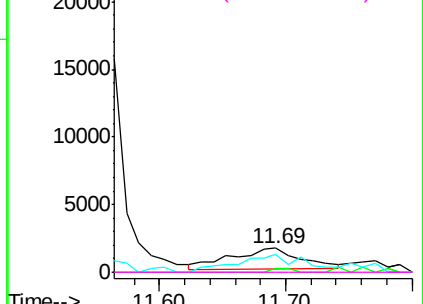


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#78

n-propylbenzene

Concen: 1.562 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059428.D

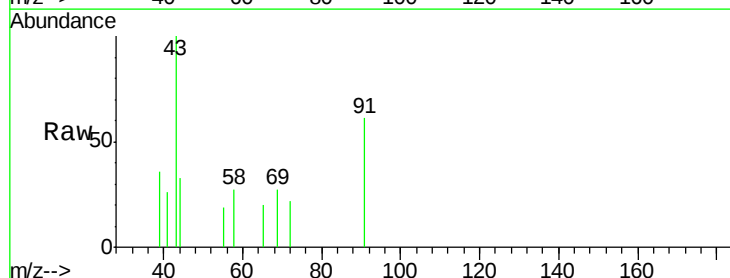
Acq: 26 Jun 2018 17:20

Tgt Ion: 91 Resp: 1383

Ion Ratio Lower Upper

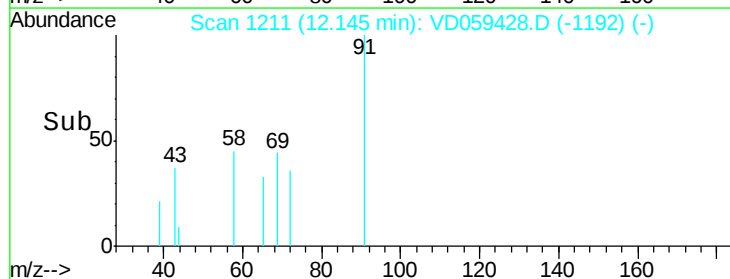
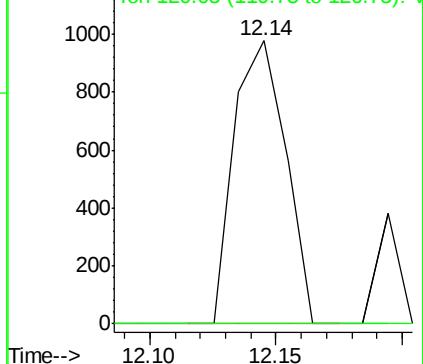
91 100

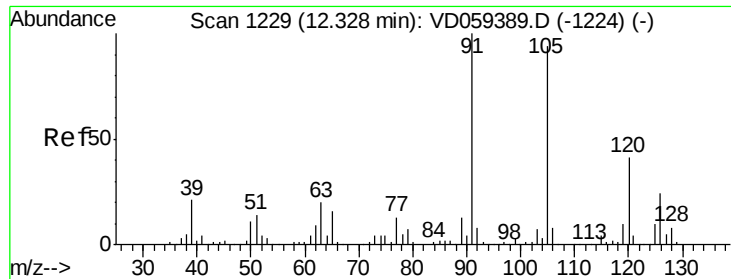
120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

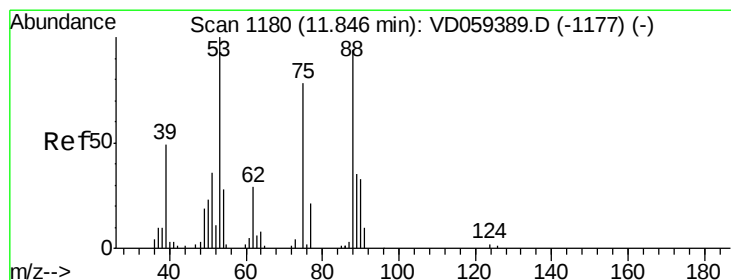
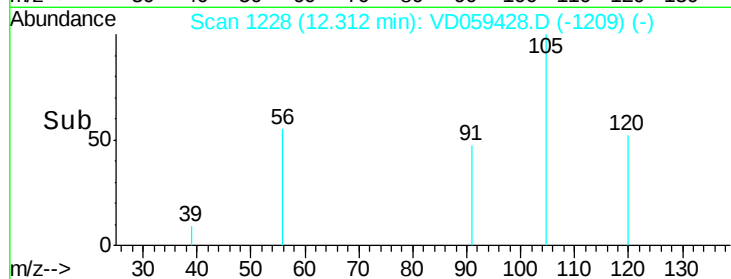
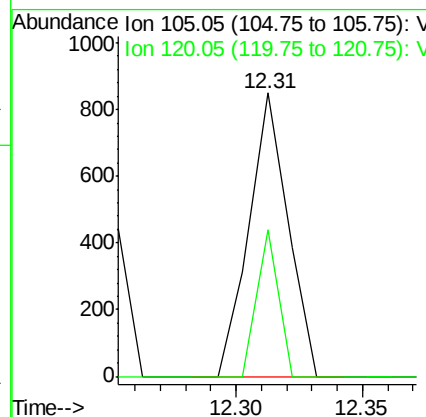
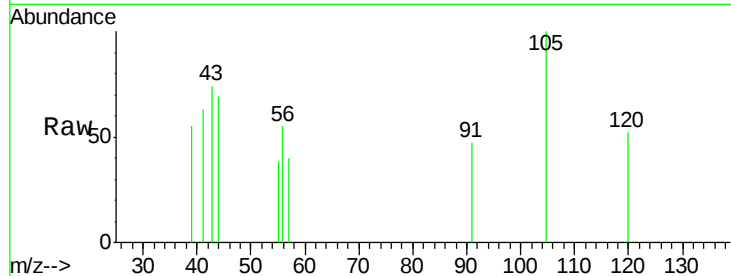




#80
 1,3,5-Trimethylbenzene
 Concen: 1.640 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

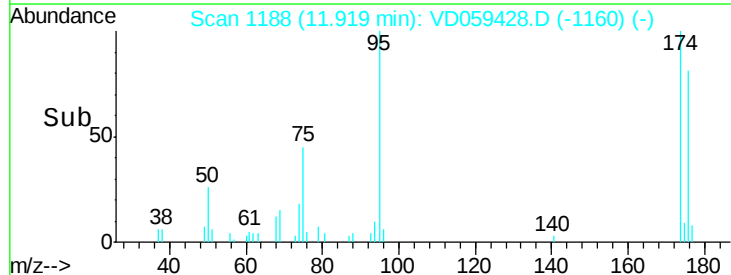
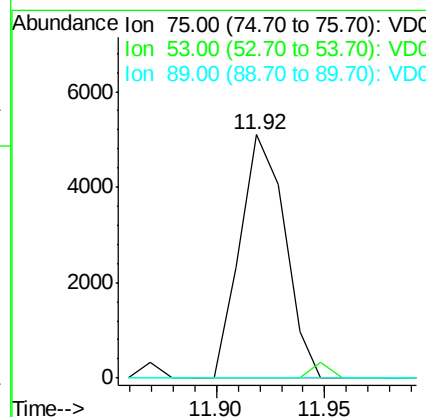
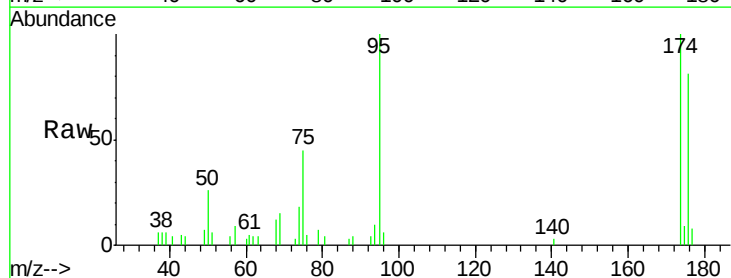
Instrument :
 MSVOA_D
 ClientSampleId :

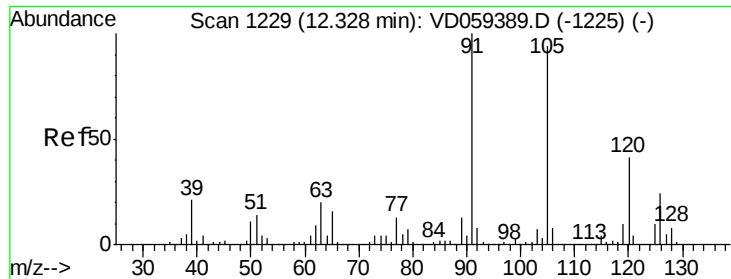
Tot Ion:105 Resp: 913
 Ion Ratio Lower Upper
 105 100
 120 51.8 21.9 65.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 189.258 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. 0.07 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Tgt Ion: 75 Resp: 7351
 Ion Ratio Lower Upper
 75 100
 53 0.0 102.6 154.0#
 89 0.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 1.362 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

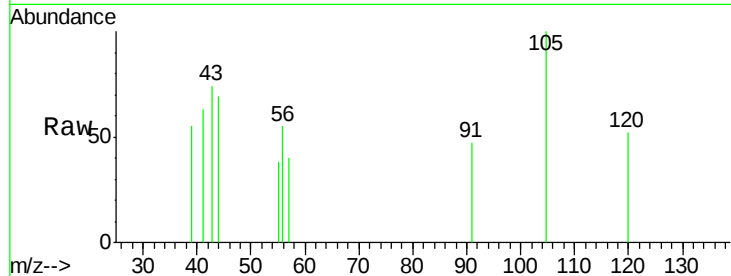
ClientSampleId :

Tot Ion: 91 Resp: 803

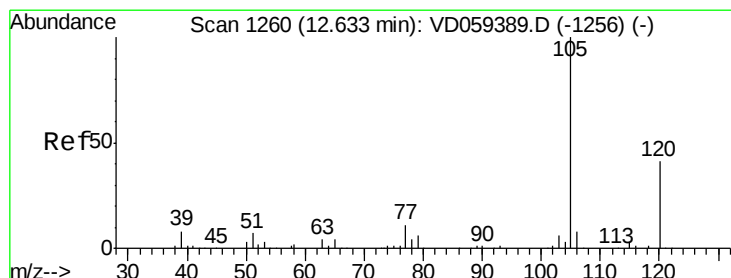
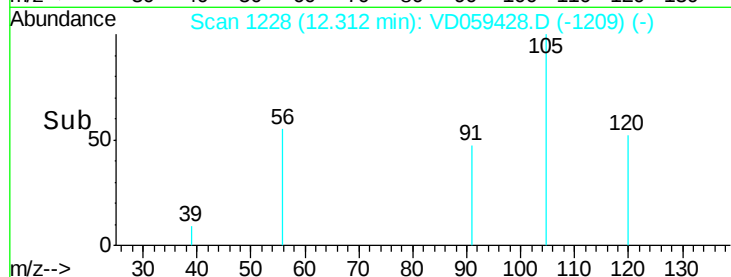
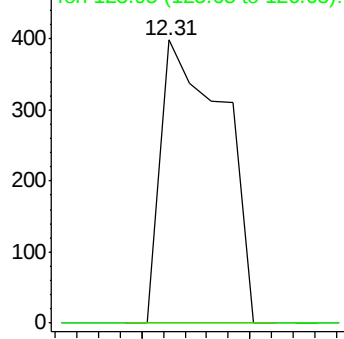
Ion Ratio Lower Upper

91 100

126 0.0 12.2 36.6#



Abundance Ion 91.00 (90.70 to 91.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.516 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.02 min

Lab File: VD059428.D

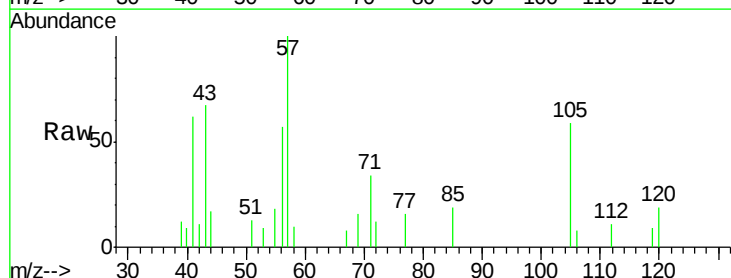
Acq: 26 Jun 2018 17:20

Tgt Ion: 105 Resp: 2660

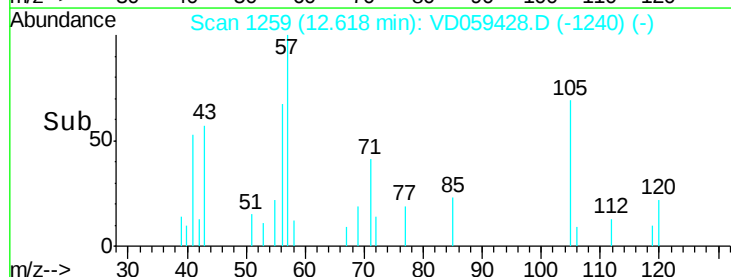
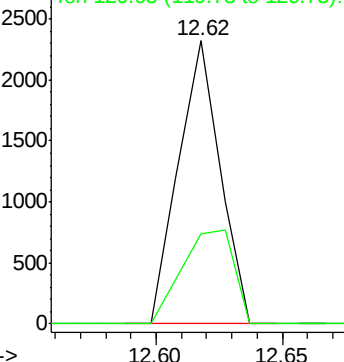
Ion Ratio Lower Upper

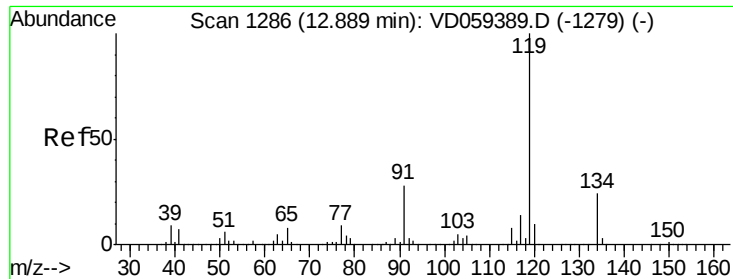
105 100

120 31.9 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V





#86

p-Isopropyltoluene

Concen: 5.139 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.02 min

Lab File: VD059428.D

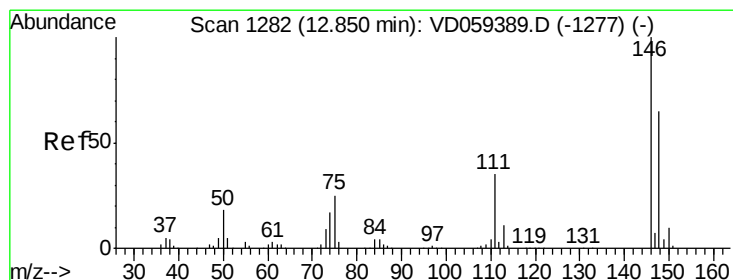
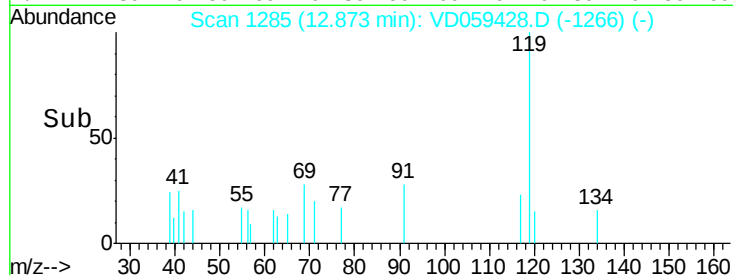
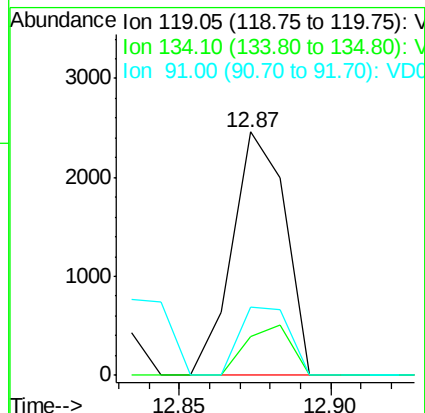
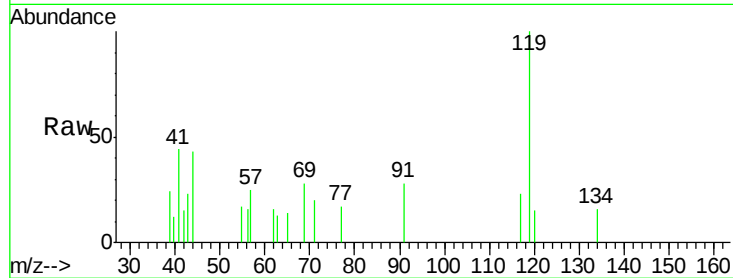
Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:119	Resp:	3009
Ion Ratio	Lower	Upper
119	100	
134	16.0	11.9 35.5
91	28.2	14.1 42.4



#87

1,3-Dichlorobenzene

Concen: 2.061 ug/l

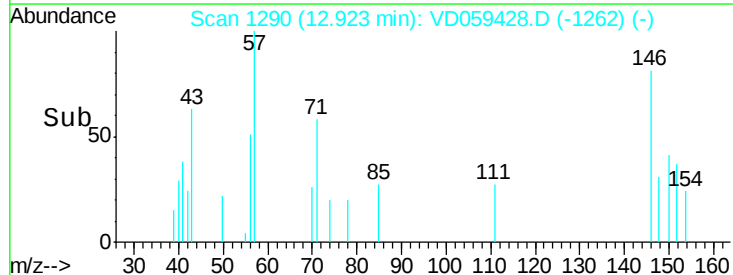
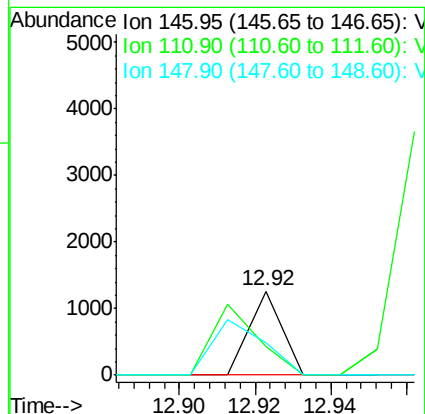
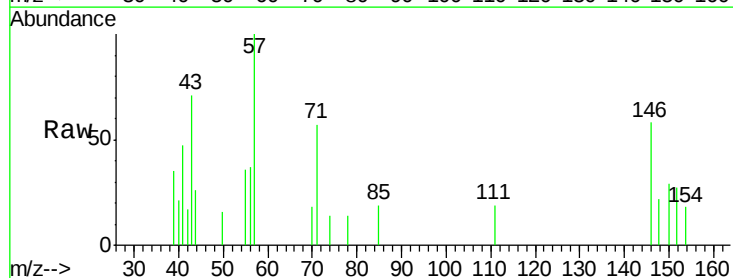
RT: 12.92 min Scan# 1290

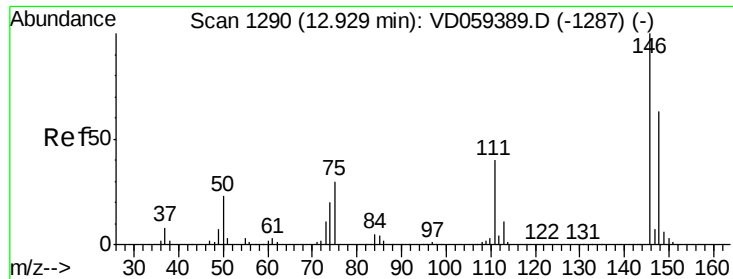
Delta R.T. 0.07 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Tgt Ion:146	Resp:	746
Ion Ratio	Lower	Upper
146	100	
111	33.5	17.6 52.8
148	38.0	32.4 97.2





#88

1,4-Dichlorobenzene

Concen: 2.088 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

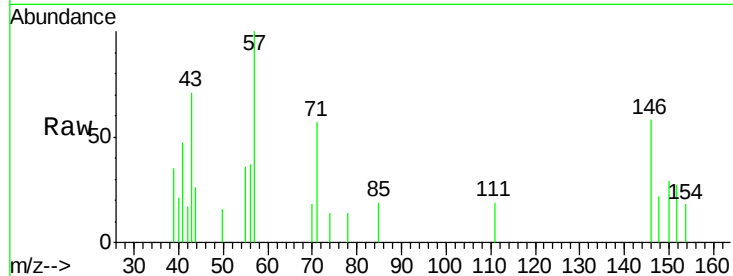
Tot Ion:146 Resp: 746

Ion Ratio Lower Upper

146 100

111 33.5 20.1 60.2

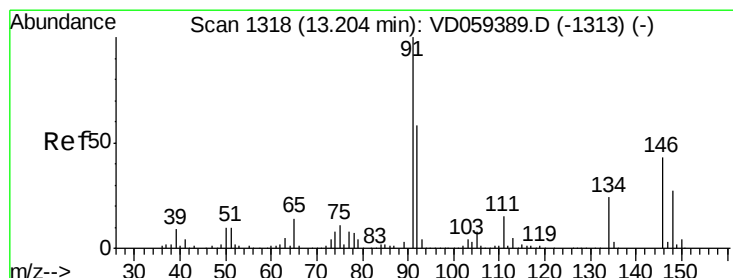
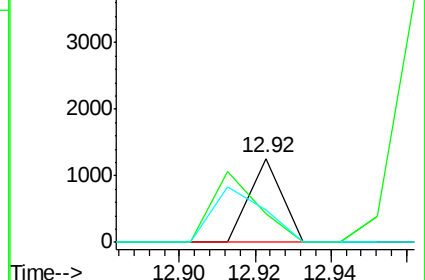
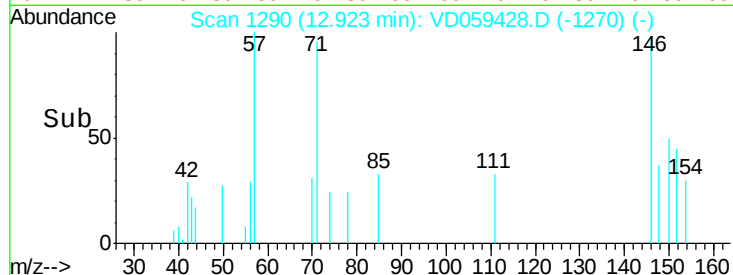
148 38.0 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.055 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: VD059428.D

Acq: 26 Jun 2018 17:20

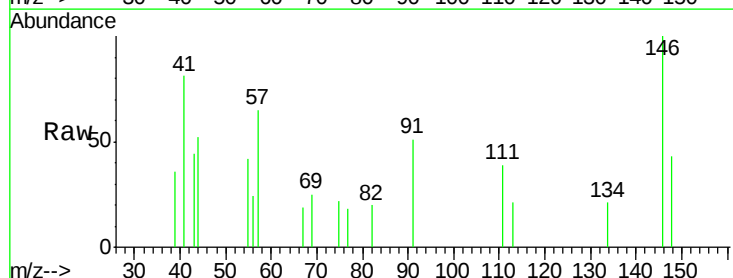
Tgt Ion: 91 Resp: 1188

Ion Ratio Lower Upper

91 100

92 0.0 28.8 86.5#

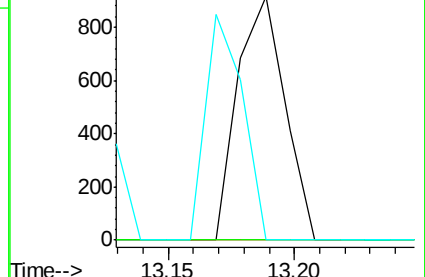
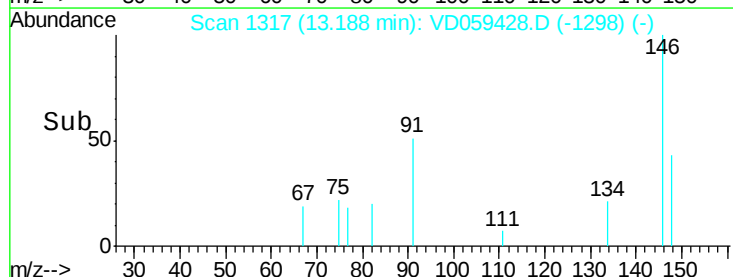
134 0.0 11.9 35.7#

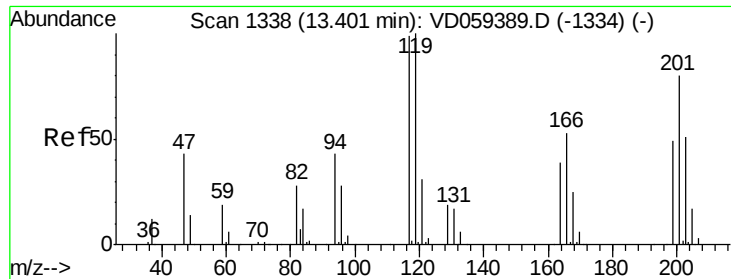


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

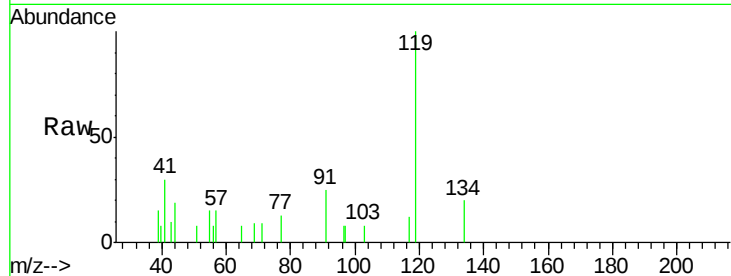




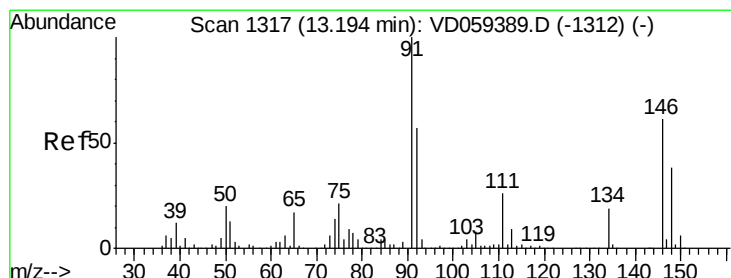
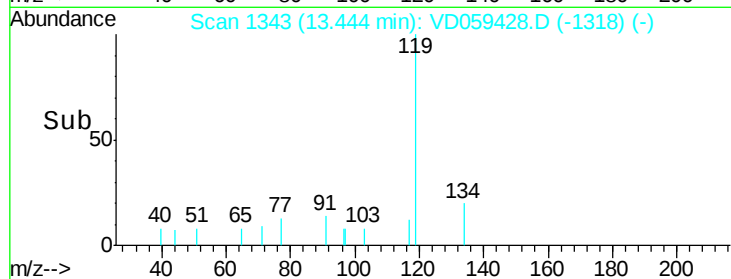
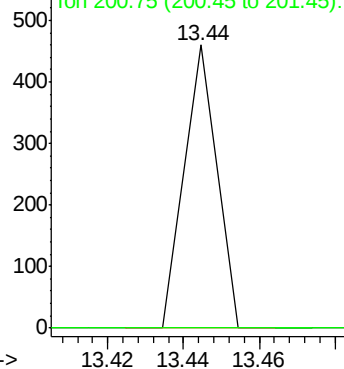
#90
Hexachloroethane
Concen: 1.862 ug/l
RT: 13.44 min Scan# 1343
Delta R.T. 0.04 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 272
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#

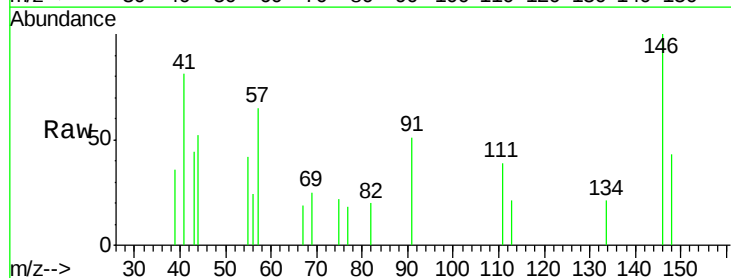


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

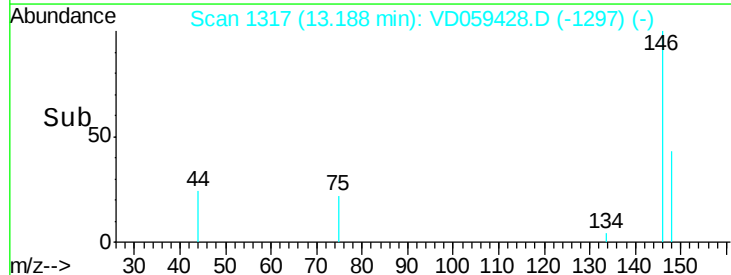
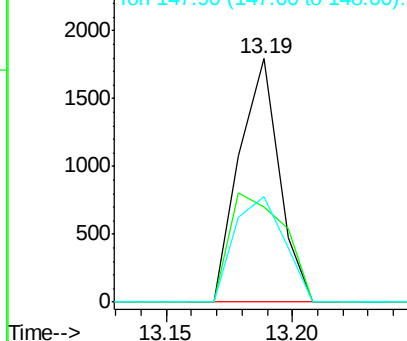


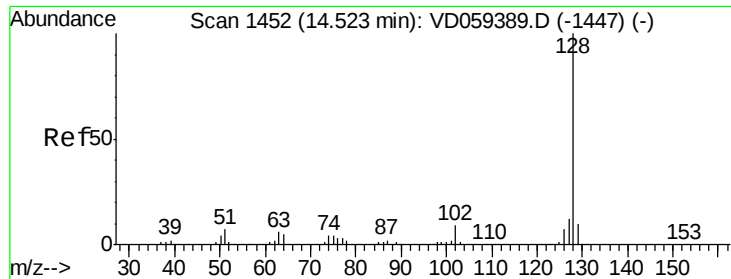
#91
1,2-Dichlorobenzene
Concen: 6.438 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059428.D
Acq: 26 Jun 2018 17:20

Tgt Ion:146 Resp: 1976
Ion Ratio Lower Upper
146 100
111 39.0 21.4 64.2
148 43.3 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

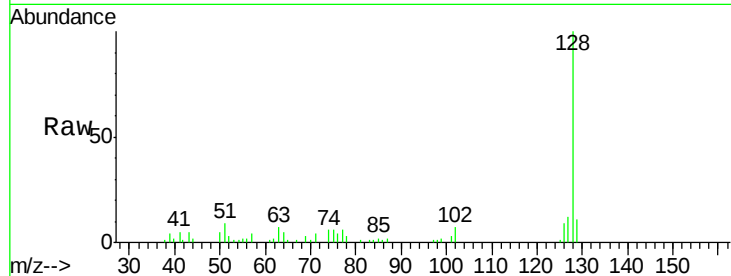




#95
 Naphthalene
 Concen: 108.299 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: VD059428.D
 Acq: 26 Jun 2018 17:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 42831
 Ion Ratio Lower Upper
 128 100
 127 11.8 9.6 14.4
 129 11.0 8.2 12.2



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

