

Data File : VD059393.D
Acq On : 25 Jun 2018 3:40
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Jun 25 07:33:58 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	5.65	168	836931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1105486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	904422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	455460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	479645	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	5.56	113	488756	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	8.71	98	1144836	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	11.94	95	498190	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	395786	53.152	ug/l	99
3) Chloromethane	1.50	50	220241	56.841	ug/l	91
4) Vinyl Chloride	1.56	62	241382	60.049	ug/l	97
5) Bromomethane	1.81	94	98637	72.984	ug/l	99
6) Chloroethane	1.89	64	105506	66.290	ug/l	93
7) Trichlorofluoromethane	2.10	101	344395	59.416	ug/l	98
8) Diethyl Ether	2.35	74	80363	61.274	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.57	101	204779	56.851	ug/l	91
10) Methyl Iodide	2.71	142	264077	62.766	ug/l	96
11) Tert butyl alcohol	3.28	59	90722	306.398	ug/l	98
12) 1,1-Dichloroethene	2.56	96	160313	58.133	ug/l	90
13) Acrolein	2.48	56	74690	282.169	ug/l	92
14) Allyl chloride	2.93	41	379965	60.196	ug/l	99
15) Acrylonitrile	3.37	53	260957	287.167	ug/l	95
16) Acetone	2.63	43	295665	273.714	ug/l	94
17) Carbon Disulfide	2.77	76	491265	58.165	ug/l	98
18) Methyl Acetate	2.95	43	133491	57.633	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	748967	55.177	ug/l	97
20) Methylene Chloride	3.08	84	176305	59.317	ug/l	99
21) trans-1,2-Dichloroethene	3.41	96	273571	56.107	ug/l	98
22) Diisopropyl ether	4.08	45	1410724	59.400	ug/l	99
23) Vinyl Acetate	4.04	43	3844464	310.690	ug/l	100
24) 1,1-Dichloroethane	3.99	63	789472	58.093	ug/l	97
25) 2-Butanone	4.85	43	626617	276.920	ug/l	95
26) 2,2-Dichloropropane	4.81	77	587009	55.699	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	452523	55.228	ug/l	97
28) Bromochloromethane	5.16	49	332315	56.405	ug/l	94
29) Tetrahydrofuran	5.20	42	343512	277.535	ug/l	99
30) Chloroform	5.33	83	845428	57.077	ug/l	94
31) Cyclohexane	5.60	56	534605	60.429	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	698495	58.235	ug/l	95
36) 1,1-Dichloropropene	5.76	75	543713	54.218	ug/l	98
37) Ethyl Acetate	4.94	43	338695	55.459	ug/l	98
38) Carbon Tetrachloride	5.74	117	599762	58.008	ug/l	94

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39) Methylcyclohexane	7.29	83	520507	54.725	ug/l	95
40) Benzene	6.02	78	1328956	55.223	ug/l	98
41) Methacrylonitrile	5.14	41	160040	54.406	ug/l #	89
42) 1,2-Dichloroethane	6.14	62	600616	56.484	ug/l	98
43) Isopropyl Acetate	7.63	43	449159	58.564	ug/l	99
44) Trichloroethene	6.99	130	431834	54.804	ug/l	96
45) 1,2-Dichloropropane	7.36	63	364255	54.649	ug/l	97
46) Dibromomethane	7.47	93	267267	55.756	ug/l	93
47) Bromodichloromethane	7.76	83	625641	58.331	ug/l #	96
48) Methyl methacrylate	7.51	41	274357	58.716	ug/l	94
49) 1,4-Dioxane	7.50	88	52816	1127.063	ug/l	96
51) 4-Methyl-2-Pentanone	8.60	43	1410946	276.077	ug/l	100
52) Toluene	8.81	92	776902	54.054	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	521528	58.187	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	580986	55.983	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	291232	55.812	ug/l	94
56) Ethyl methacrylate	9.32	69	343065	57.615	ug/l	95
57) 1,3-Dichloropropane	9.68	76	478331	56.048	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	837707	273.288	ug/l	99
59) 2-Hexanone	9.79	43	1030191	283.617	ug/l	98
60) Dibromochloromethane	9.96	129	430359	58.895	ug/l	99
61) 1,2-Dibromoethane	10.10	107	331719	57.086	ug/l	97
64) Tetrachloroethene	9.52	164	432372	54.496	ug/l	98
65) Chlorobenzene	10.73	112	909433	54.992	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.86	131	359689	56.662	ug/l	97
67) Ethyl Benzene	10.87	91	1530951	54.862	ug/l	100
68) m/p-Xylenes	11.01	106	1041563	112.498	ug/l	94
69) o-Xylene	11.41	106	517412	56.527	ug/l	95
70) Styrene	11.44	104	845474	53.885	ug/l	98
71) Bromoform	11.61	173	321093	61.057	ug/l	93
73) Isopropylbenzene	11.78	105	1466098	57.041	ug/l	98
74) N-amyl acetate	11.65	43	588622	60.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	341546	56.642	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	346791	55.201	ug/l	96
77) Bromobenzene	12.05	156	466591	57.678	ug/l	84
78) n-propylbenzene	12.16	91	1869895	57.443	ug/l	98
79) 2-Chlorotoluene	12.22	91	1101260	57.607	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1144205	55.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	87703	61.420	ug/l	88
82) 4-Chlorotoluene	12.33	91	1186807	54.749	ug/l	90
83) tert-Butylbenzene	12.58	119	1312967	60.324	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1274756	58.869	ug/l	98
85) sec-Butylbenzene	12.76	105	1510769	56.566	ug/l	98
86) p-Isopropyltoluene	12.89	119	1274098	59.186	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	779012	58.535	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	770234	58.648	ug/l	97
89) n-Butylbenzene	13.20	91	1204070	56.664	ug/l	98
90) Hexachloroethane	13.41	117	337069	62.760	ug/l	73
91) 1,2-Dichlorobenzene	13.20	146	639511	56.675	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	61024	61.374	ug/l #	54

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD062518\
Quantitation Report (Not Reviewed)

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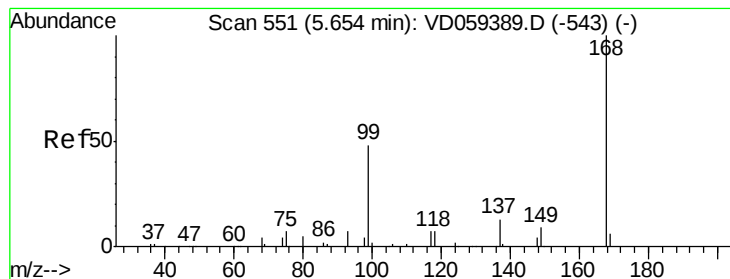
Quant Time: Jun 25 07:33:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	590793	56.631	ug/l	96
94) Hexachlorobutadiene	14.44	225	470549	59.941	ug/l	97
95) Naphthalene	14.52	128	861365	59.243	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	544255	58.023	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

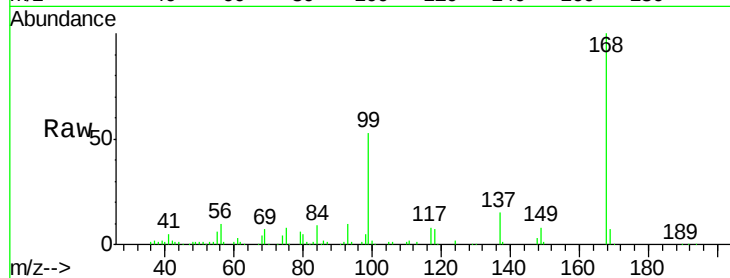
BFB

Tgt Ion: 168 Resp: 836931

Ion Ratio Lower Upper

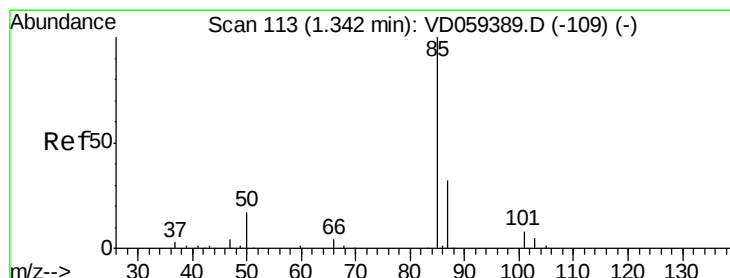
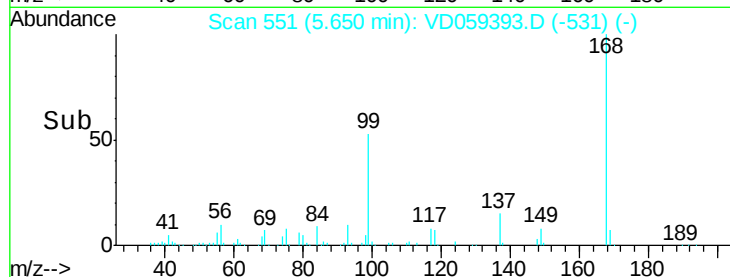
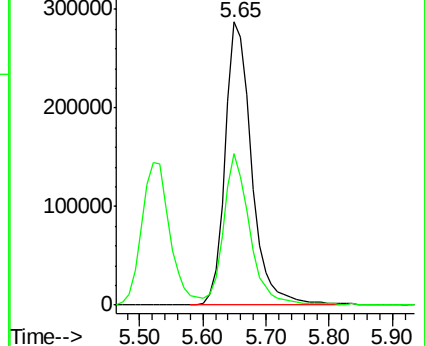
168 100

99 53.4 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: 53.152 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059393.D

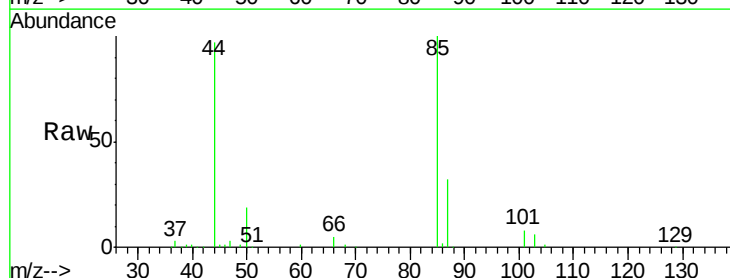
Acq: 25 Jun 2018 3:40

Tgt Ion: 85 Resp: 395786

Ion Ratio Lower Upper

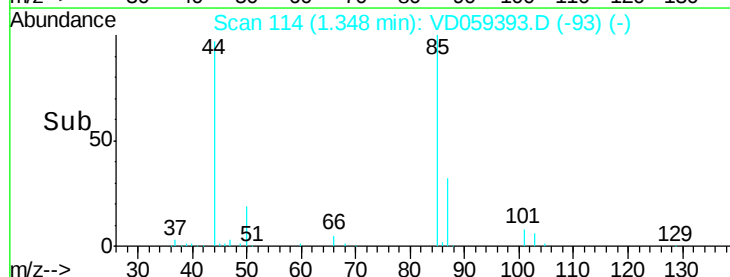
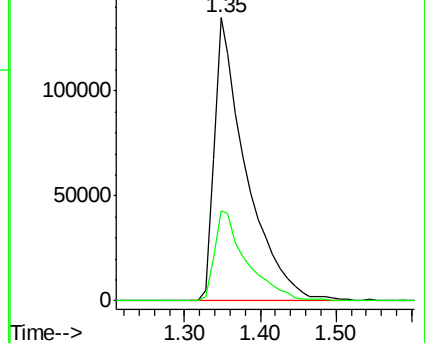
85 100

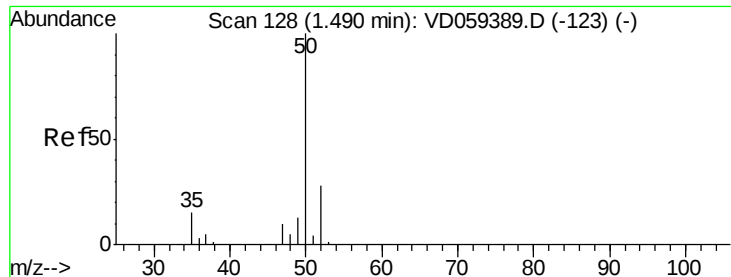
87 31.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 56.841 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

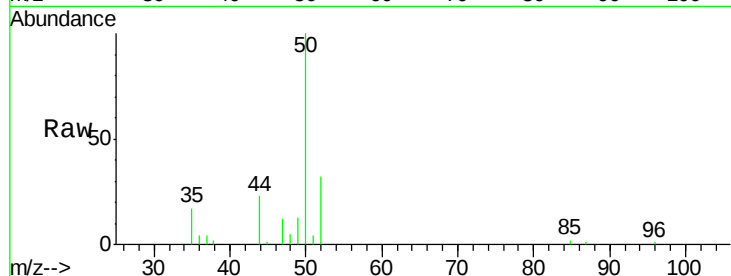
BFB

Tgt Ion: 50 Resp: 220241

Ion Ratio Lower Upper

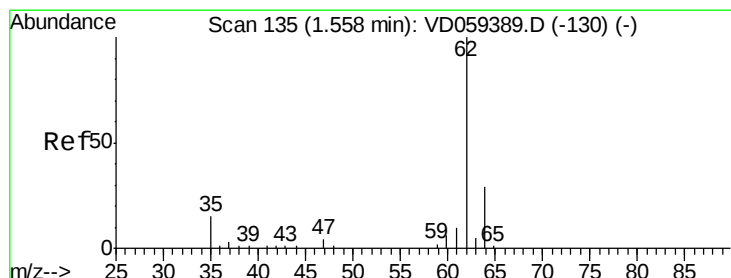
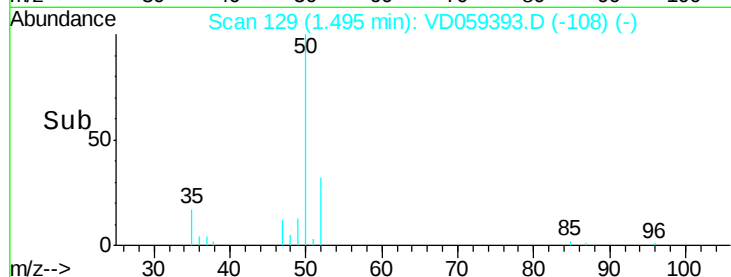
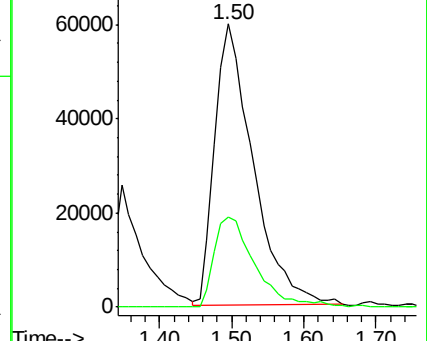
50 100

52 31.8 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 60.049 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059393.D

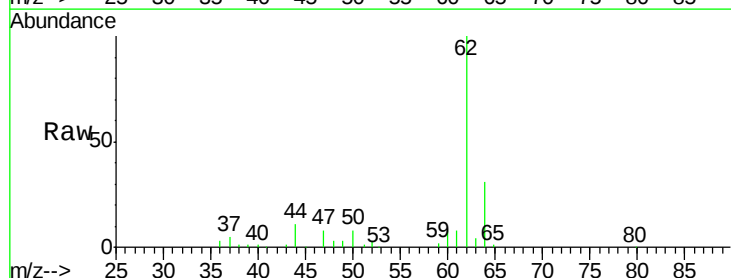
Acq: 25 Jun 2018 3:40

Tgt Ion: 62 Resp: 241382

Ion Ratio Lower Upper

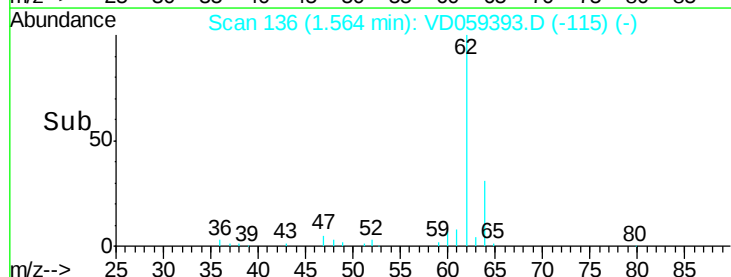
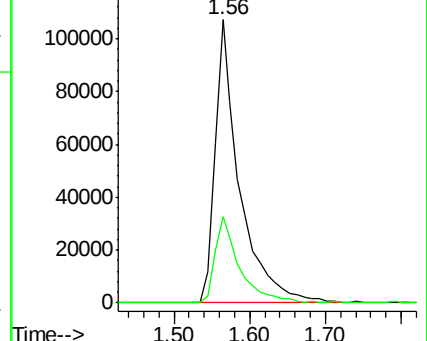
62 100

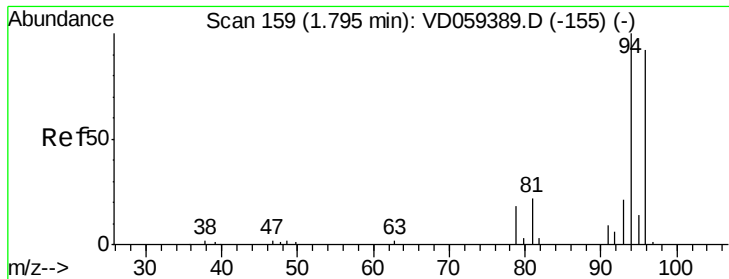
64 30.6 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 72.984 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

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Instrument :

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ClientSampleId :

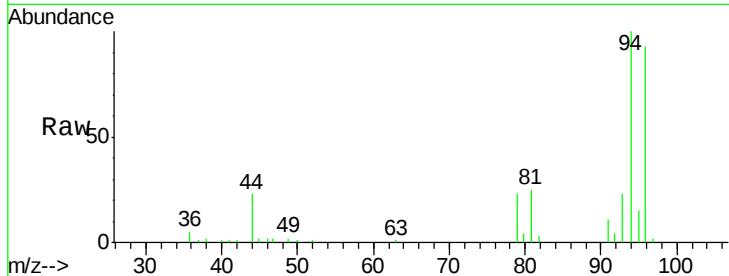
BFB

Tgt Ion: 94 Resp: 98637

Ion Ratio Lower Upper

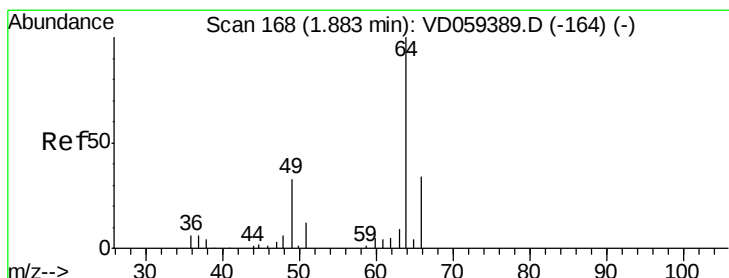
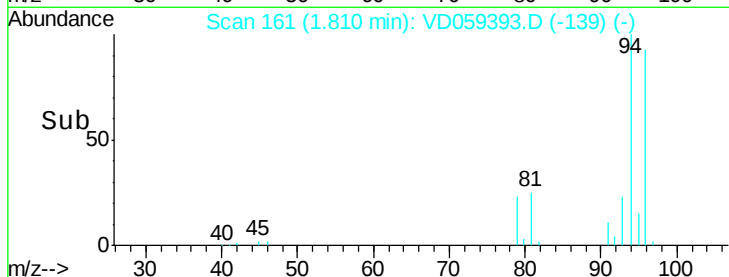
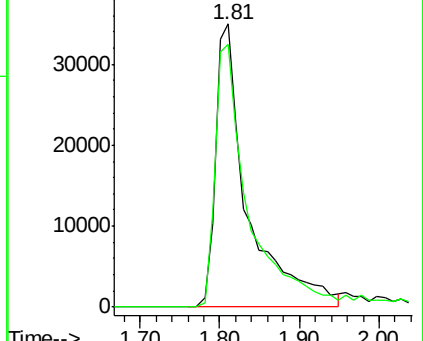
94 100

96 92.8 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 66.290 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD059393.D

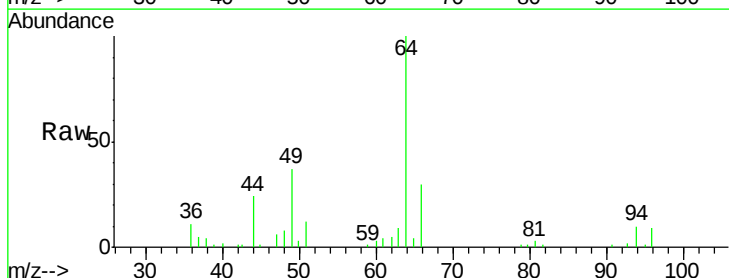
Acq: 25 Jun 2018 3:40

Tgt Ion: 64 Resp: 105506

Ion Ratio Lower Upper

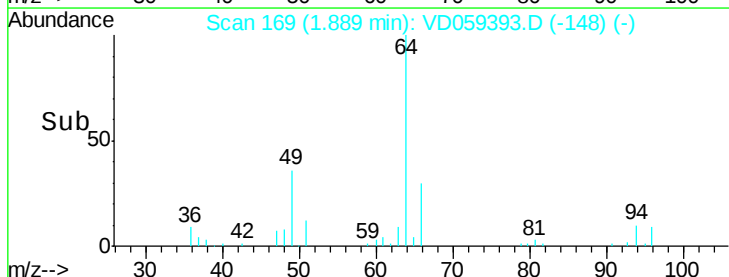
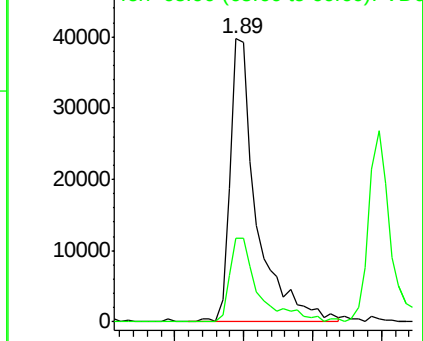
64 100

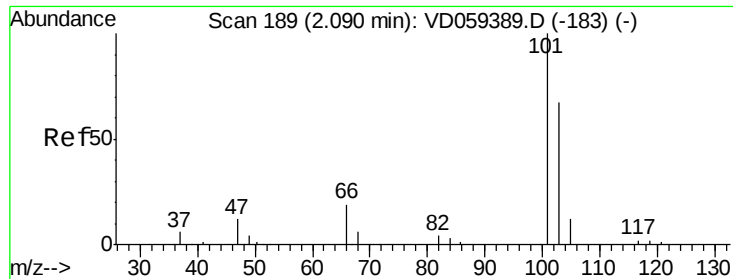
66 29.6 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



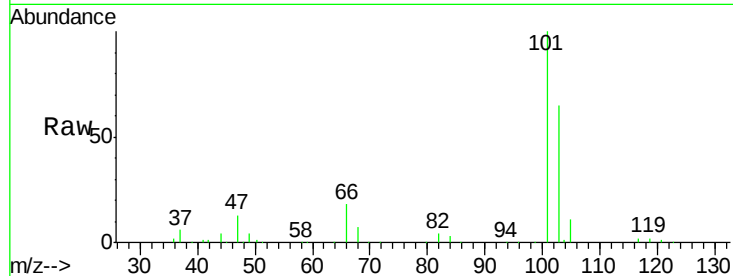


#7

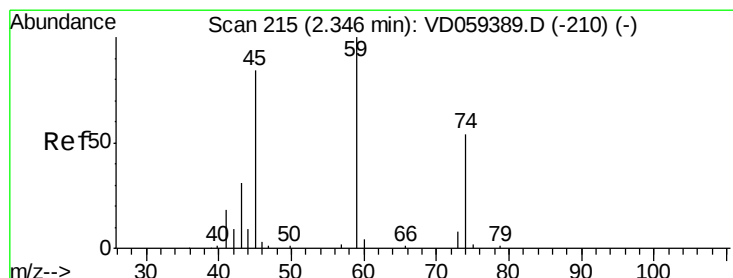
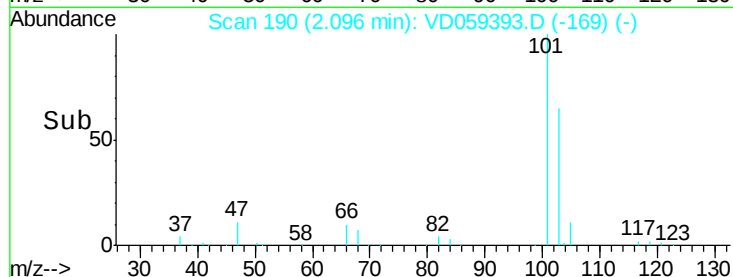
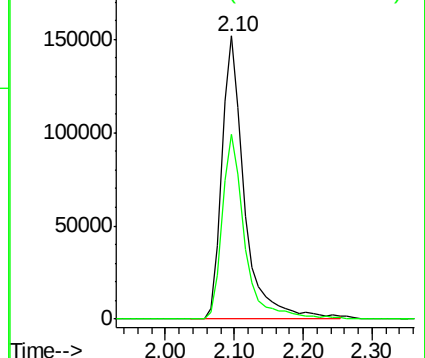
Trichlorofluoromethane
Concen: 59.416 ug/l
RT: 2.10 min Scan# 190
Delta R.T. 0.01 min
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Tgt Ion: 101 Resp: 344395
Ion Ratio Lower Upper
101 100
103 65.2 53.4 80.0



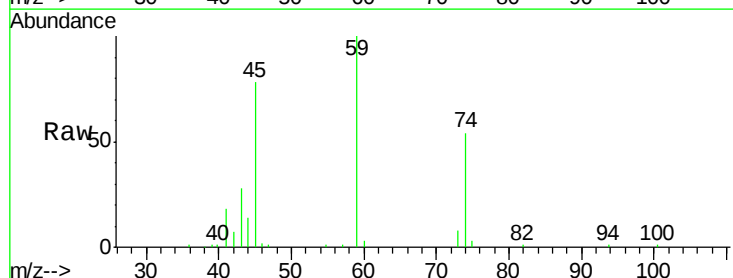
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



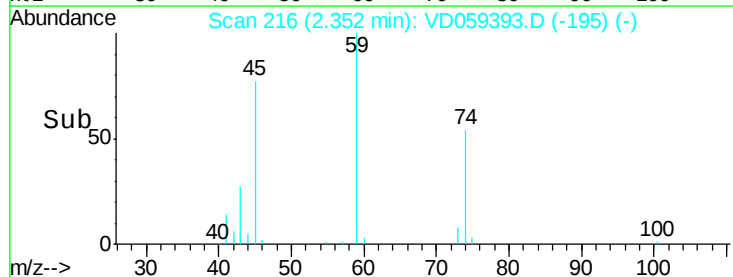
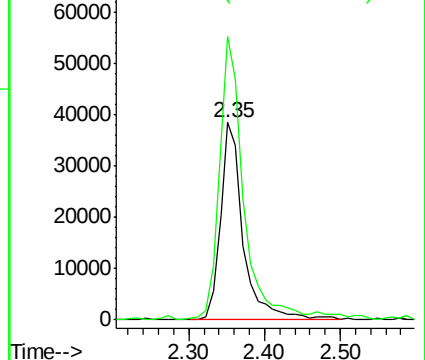
#8

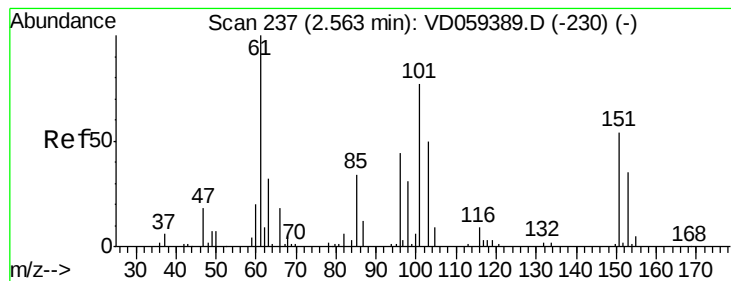
Diethyl Ether
Concen: 61.274 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD059393.D
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Tgt Ion: 74 Resp: 80363
Ion Ratio Lower Upper
74 100
45 143.6 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.851 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.01 min

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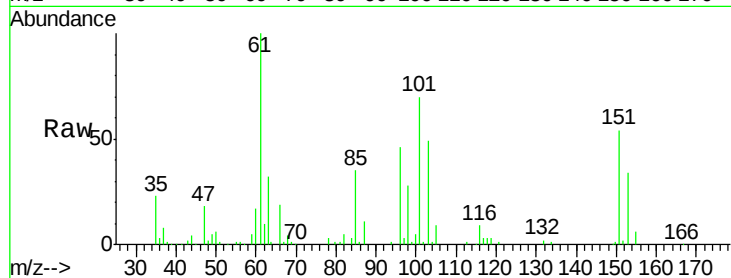
Tgt Ion:101 Resp: 204779

Ion Ratio Lower Upper

101 100

85 50.5 35.7 53.5

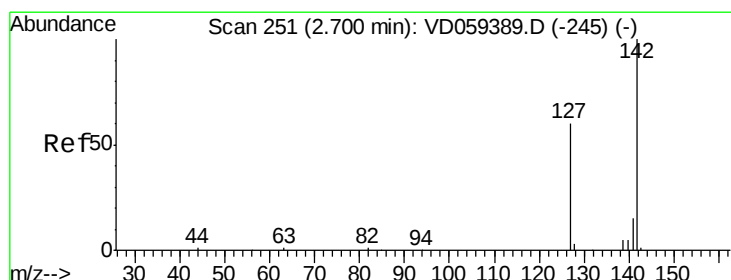
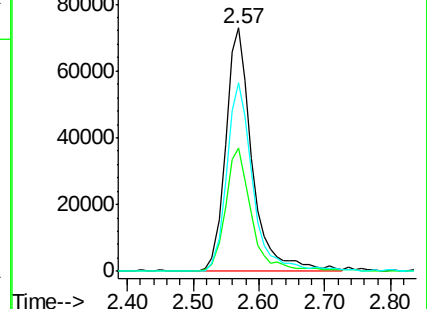
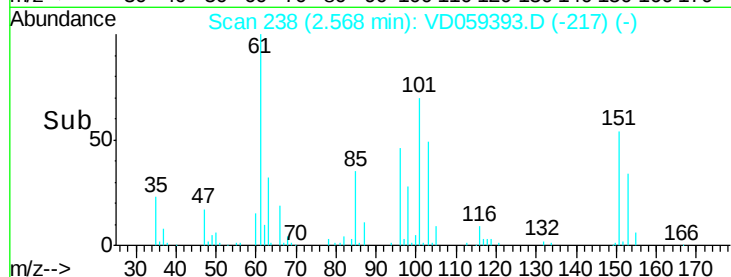
151 77.5 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 62.766 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

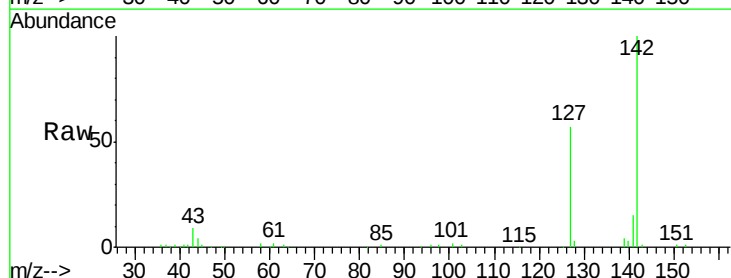
Tgt Ion:142 Resp: 264077

Ion Ratio Lower Upper

142 100

127 57.1 48.4 72.6

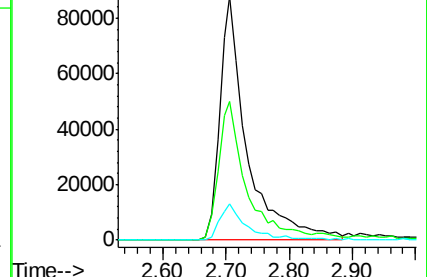
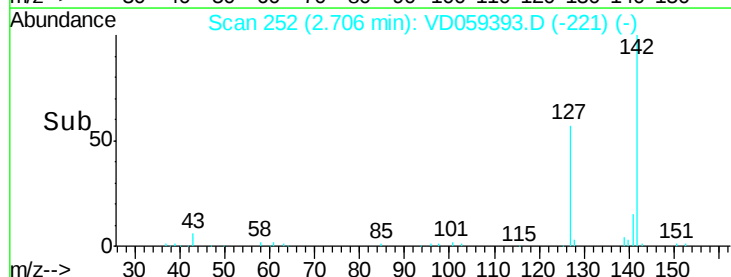
141 15.0 12.1 18.1

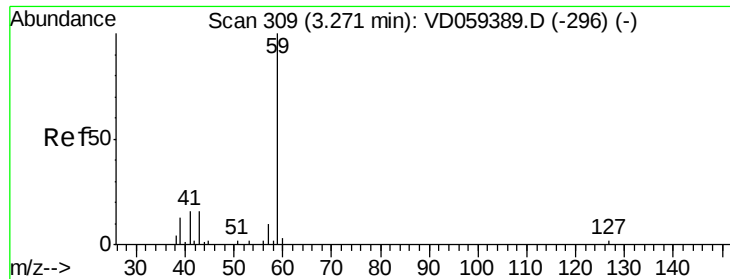


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

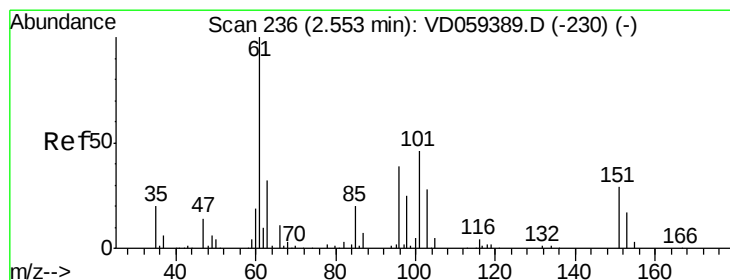
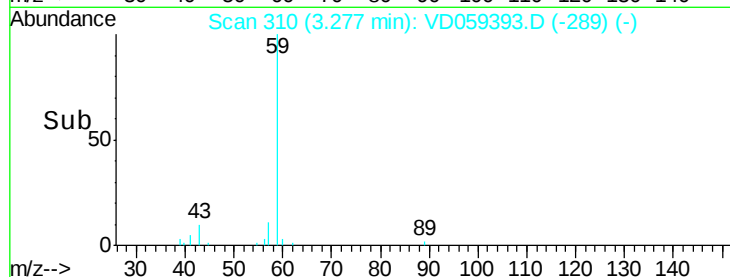
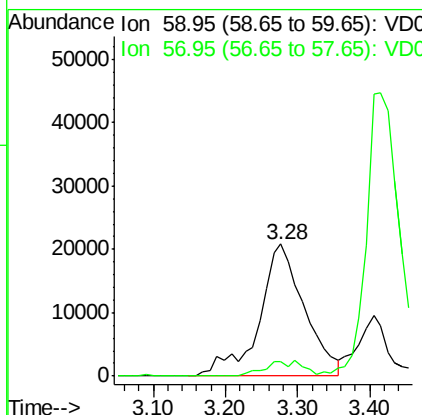
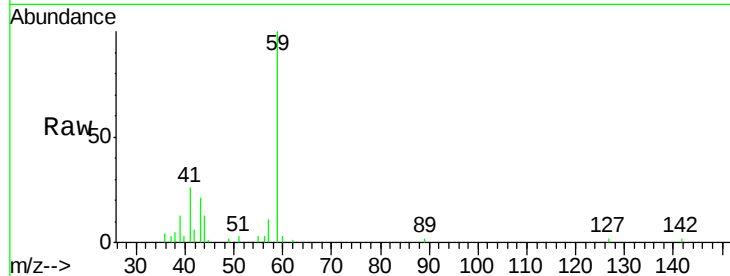




#11
Tert butyl alcohol
Concen: 306.398 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

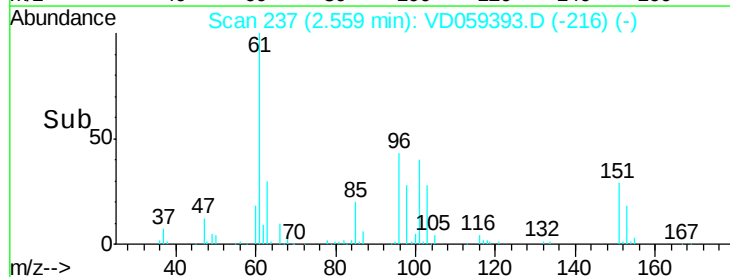
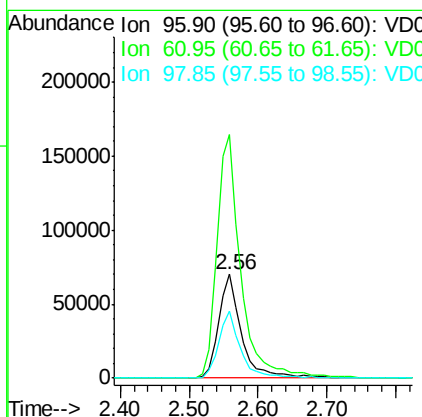
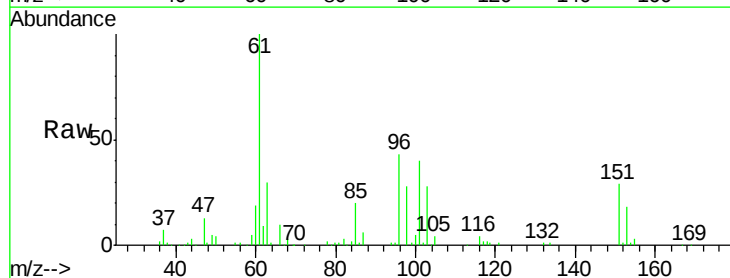
Instrument :
MSVOA_D
ClientSampleId :
BFB

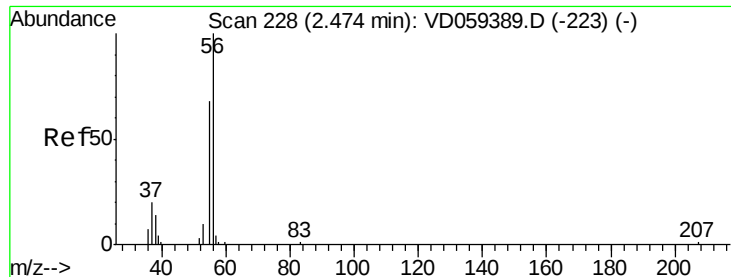
Tgt Ion: 59 Resp: 90722
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 58.133 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 96 Resp: 160313
Ion Ratio Lower Upper
96 100
61 235.0 205.4 308.0
98 64.8 51.0 76.4





#13

Acrolein

Concen: 282.169 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

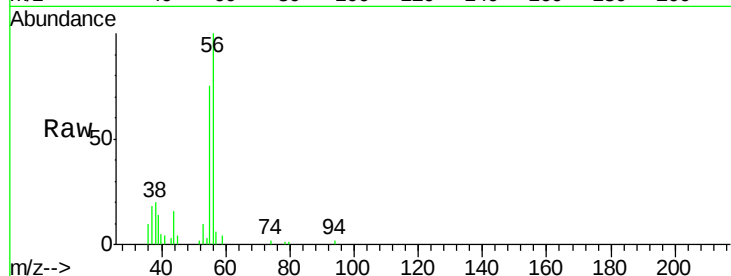
BFB

Tgt Ion: 56 Resp: 74690

Ion Ratio Lower Upper

56 100

55 75.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.48

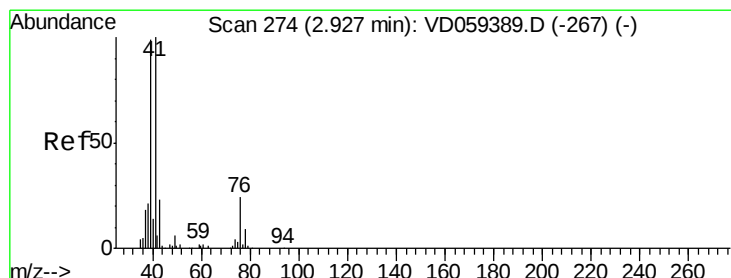
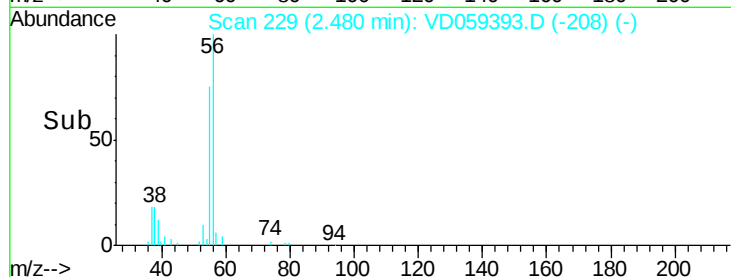
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 60.196 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

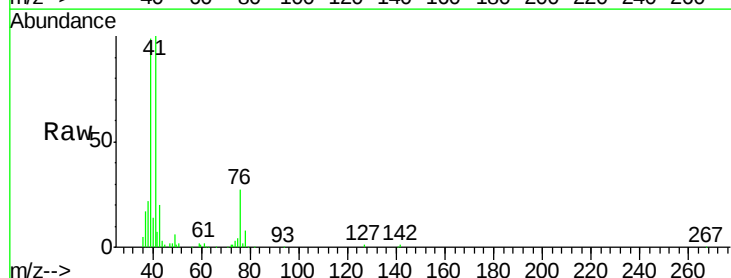
Tgt Ion: 41 Resp: 379965

Ion Ratio Lower Upper

41 100

39 99.5 79.1 118.7

76 27.2 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2.93

250000

200000

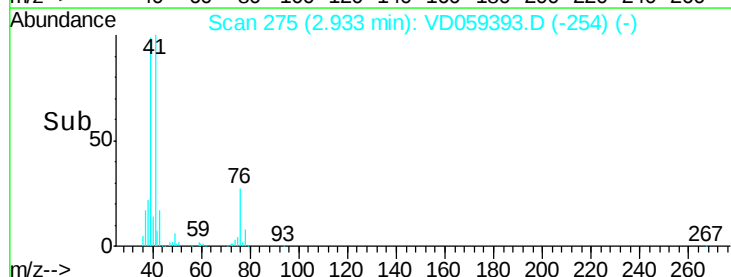
150000

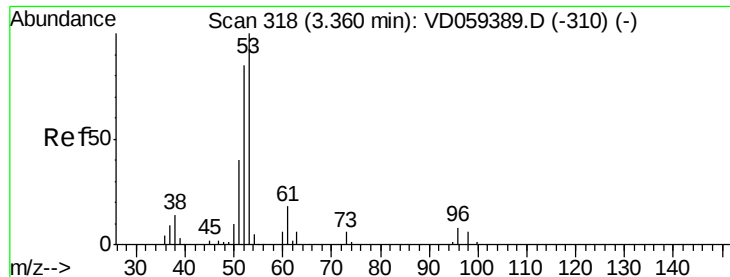
100000

50000

0

Time-->

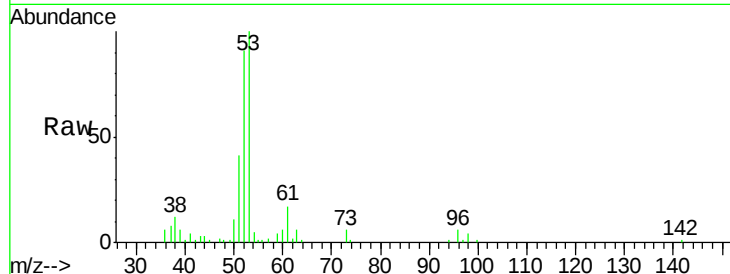




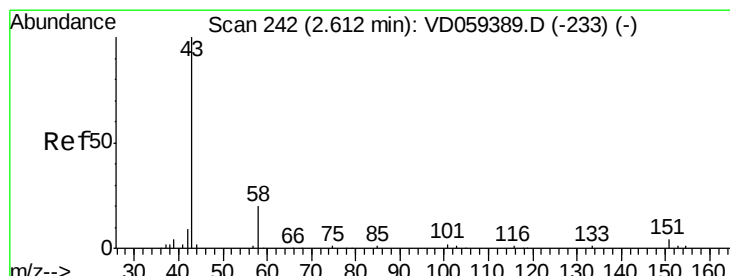
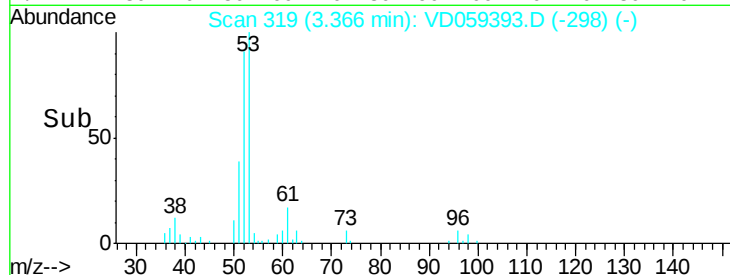
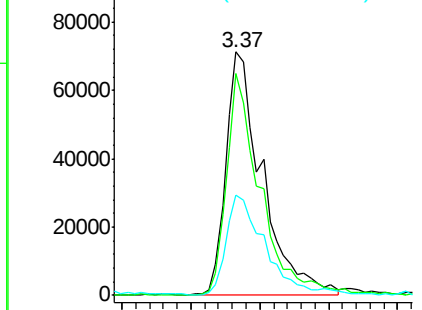
#15
Acrylonitrile
Concen: 287.167 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 53 Resp: 260957
Ion Ratio Lower Upper
53 100
52 91.0 67.9 101.9
51 41.2 32.2 48.4

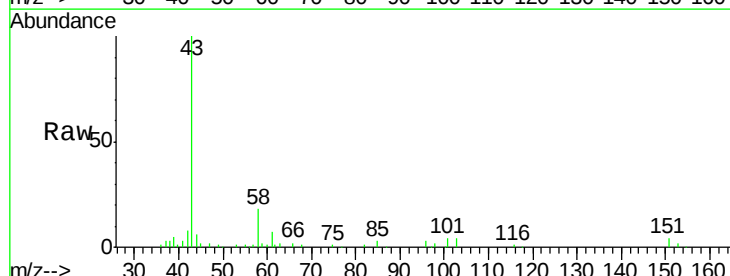


Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC

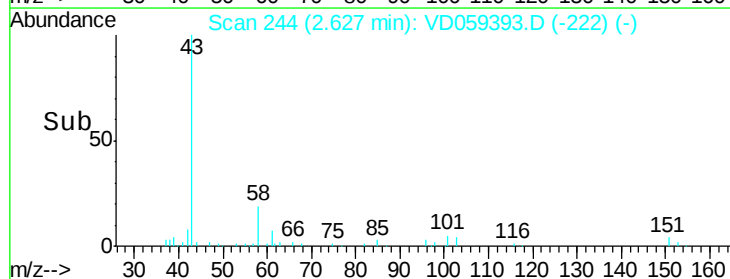
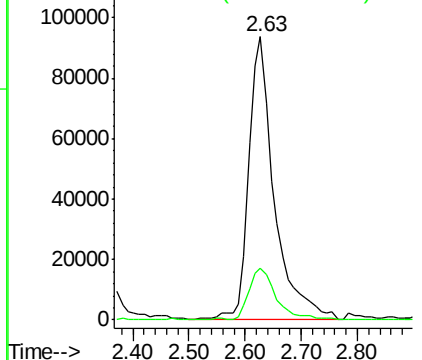


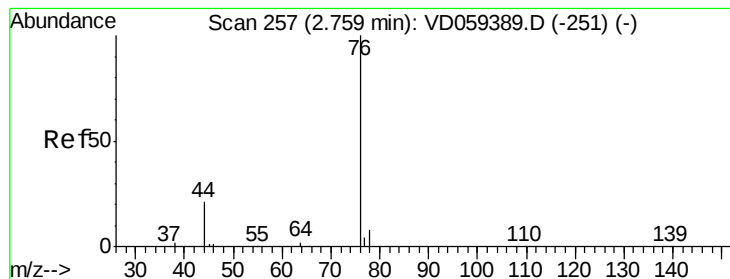
#16
Acetone
Concen: 273.714 ug/l
RT: 2.63 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 295665
Ion Ratio Lower Upper
43 100
58 18.3 16.8 25.2



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





#17

Carbon Disulfide

Concen: 58.165 ug/l

RT: 2.77 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

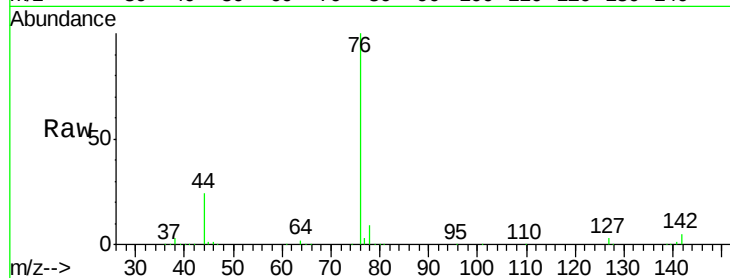
BFB

Tgt Ion: 76 Resp: 491265

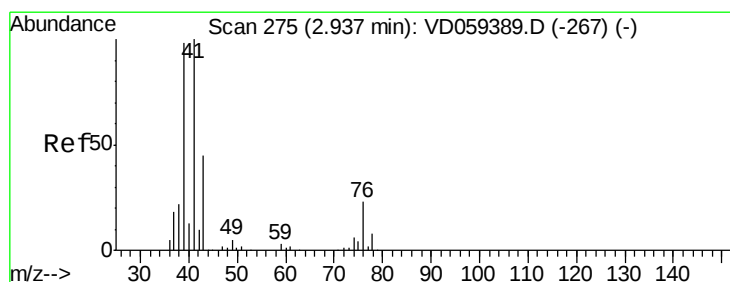
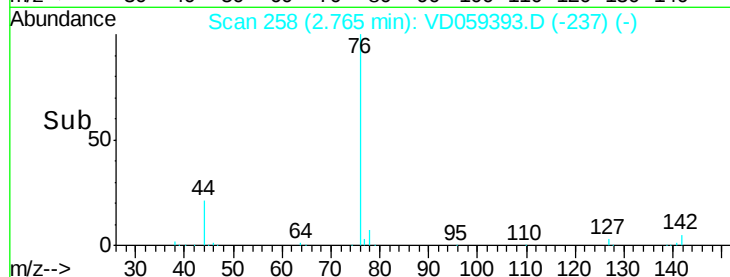
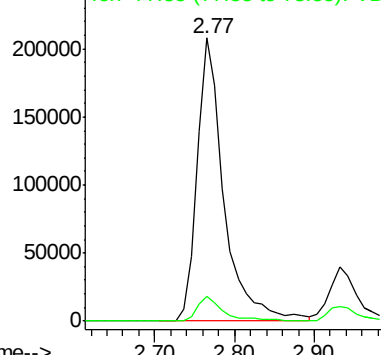
Ion Ratio Lower Upper

76 100

78 8.8 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.633 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD059393.D

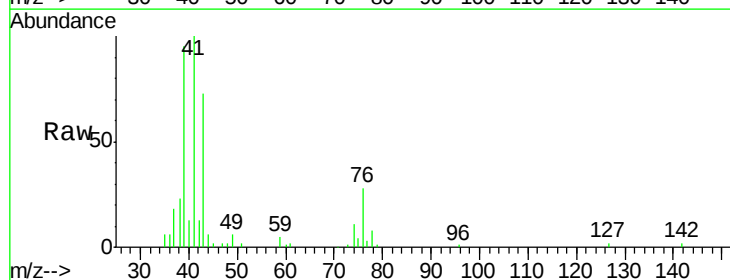
Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 133491

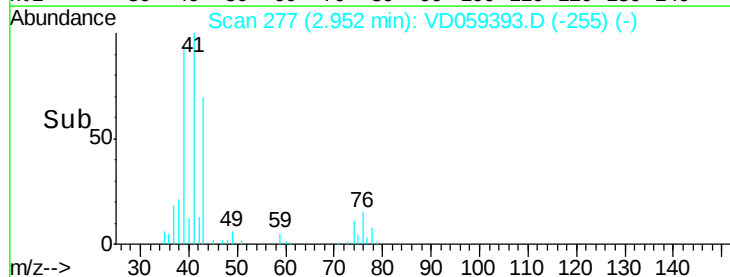
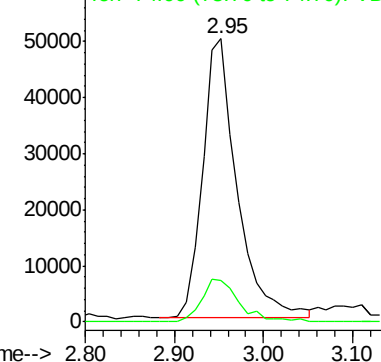
Ion Ratio Lower Upper

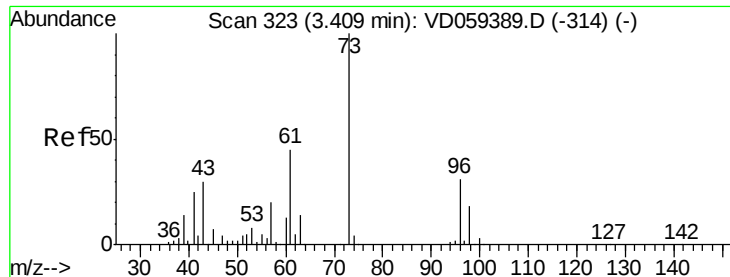
43 100

74 14.4 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



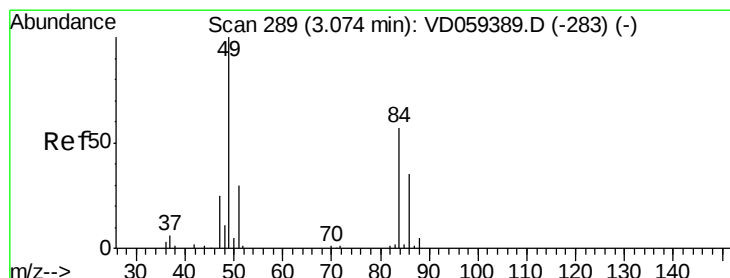
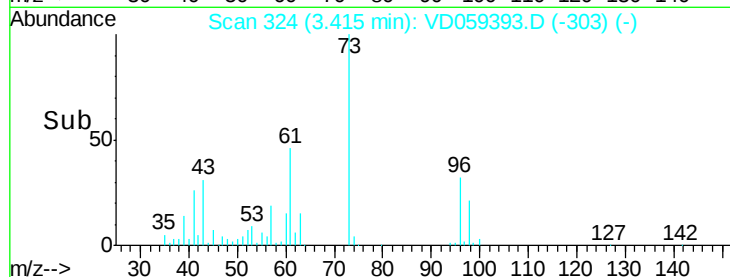
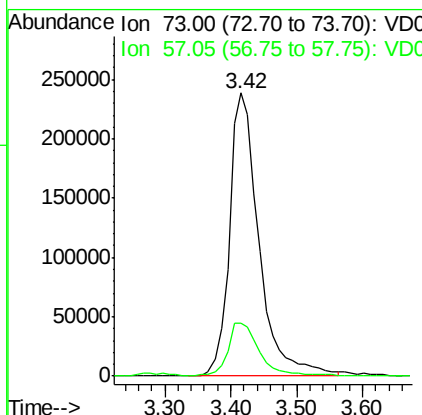
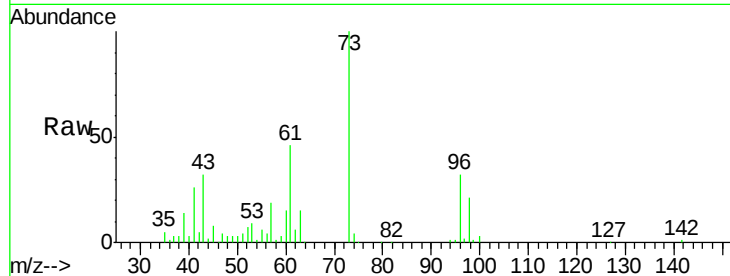


#19

Methyl tert-butyl Ether
 Concen: 55.177 ug/l
 RT: 3.42 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

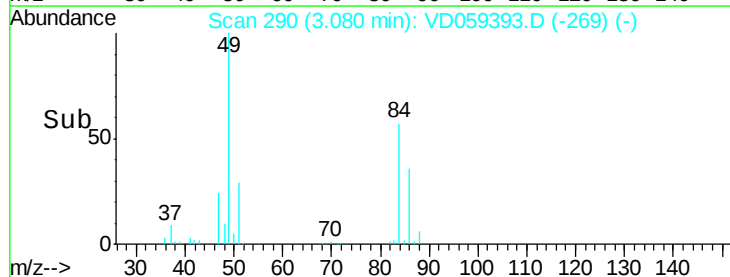
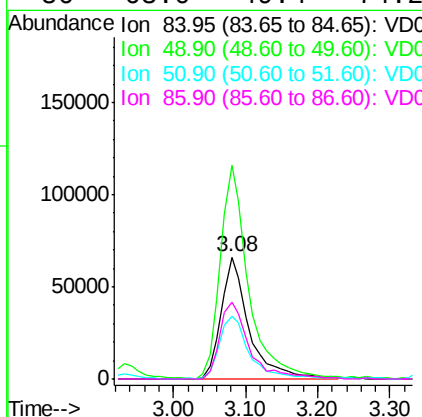
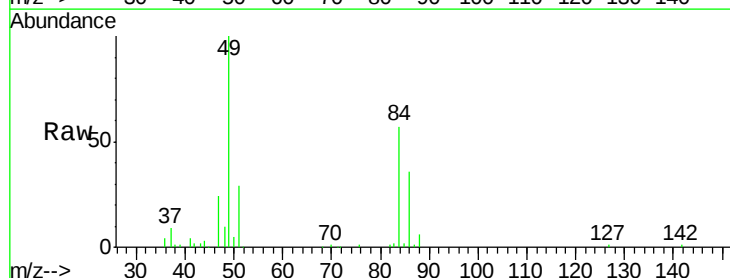
Tgt Ion: 73 Resp: 748967
 Ion Ratio Lower Upper
 73 100
 57 18.7 16.1 24.1

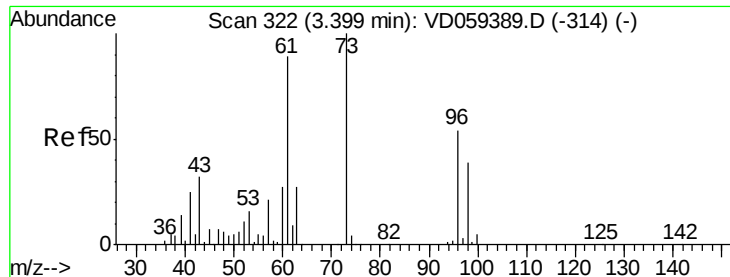


#20

Methylene Chloride
 Concen: 59.317 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 84 Resp: 176305
 Ion Ratio Lower Upper
 84 100
 49 175.4 140.3 210.5
 51 51.4 41.6 62.4
 86 63.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.107 ug/l

RT: 3.41 min Scan# 323

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

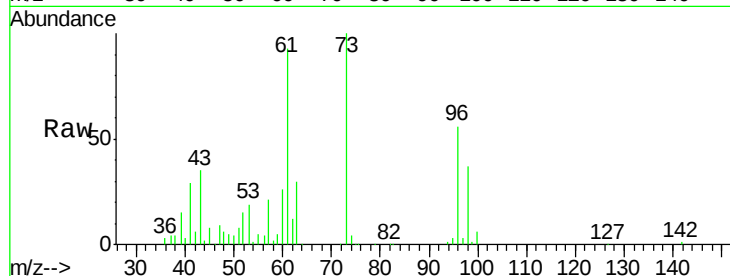
Tgt Ion: 96 Resp: 273571

Ion Ratio Lower Upper

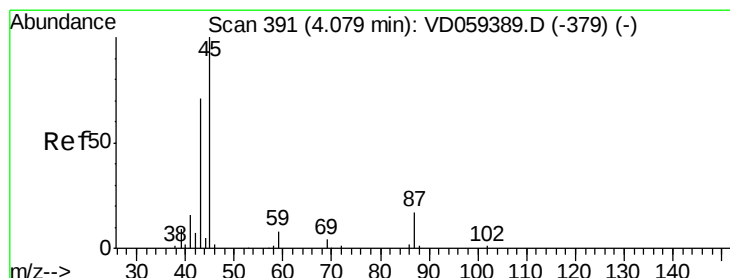
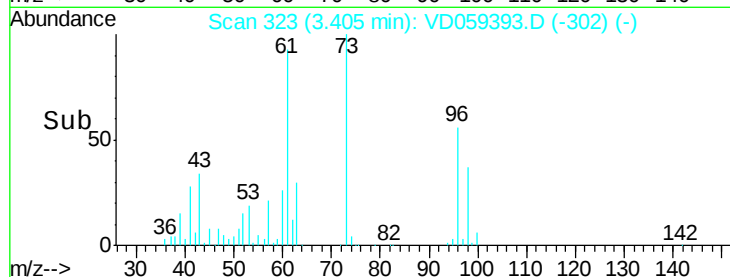
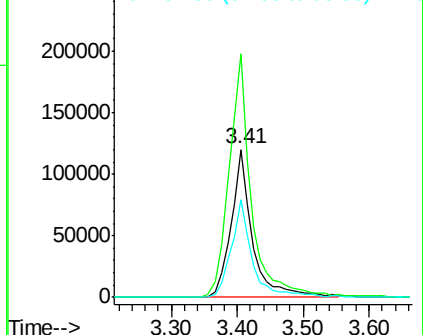
96 100

61 164.6 131.0 196.4

98 65.9 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 59.400 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Tgt Ion: 45 Resp: 1410724

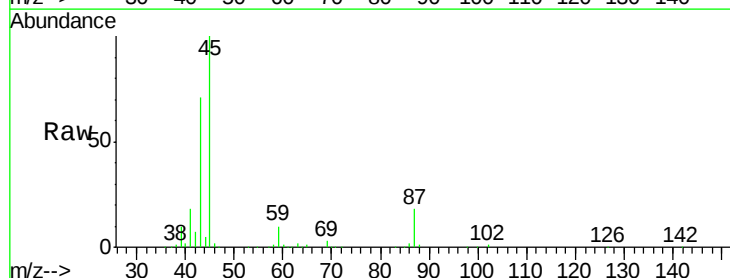
Ion Ratio Lower Upper

45 100

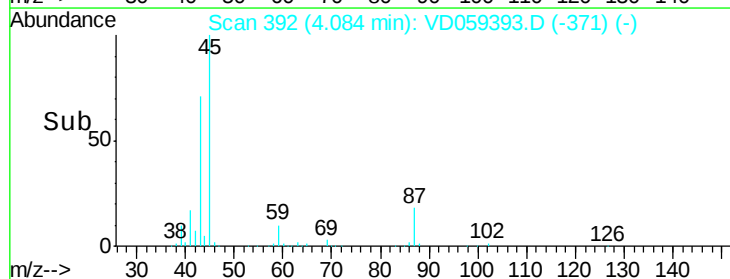
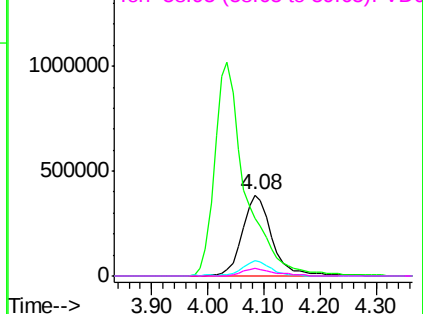
43 70.7 56.9 85.3

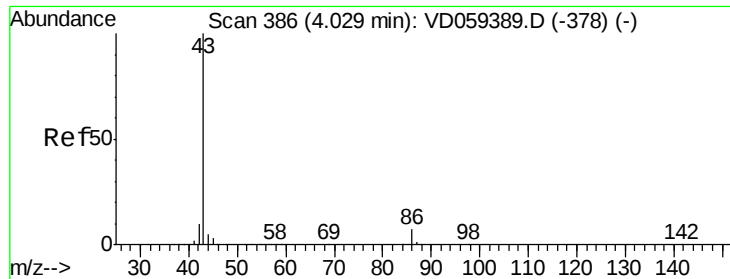
87 18.3 14.2 21.4

59 10.0 7.0 10.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

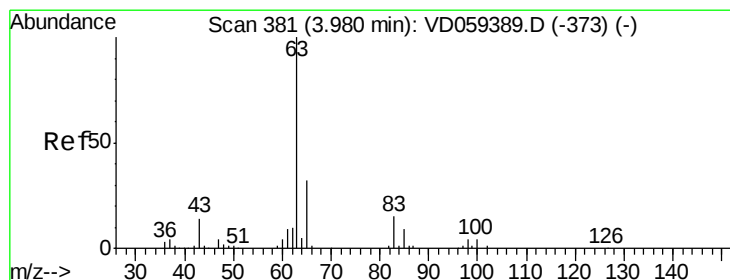
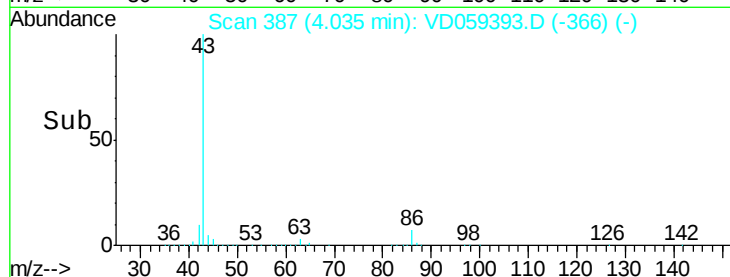
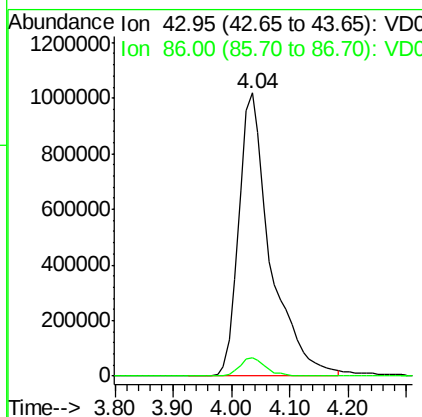
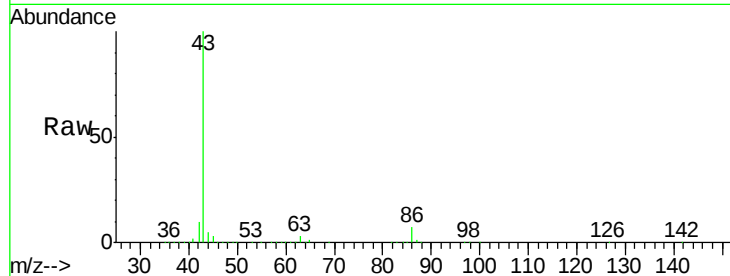




#23
 Vinyl Acetate
 Concen: 310.690 ug/l
 RT: 4.04 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

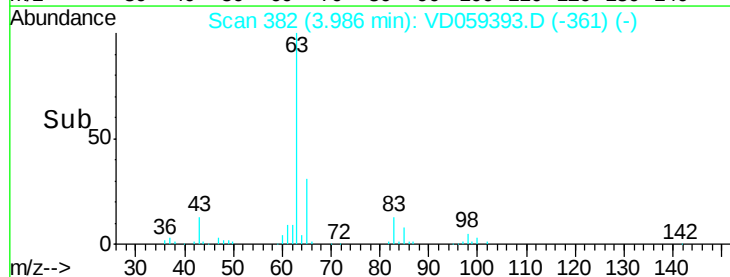
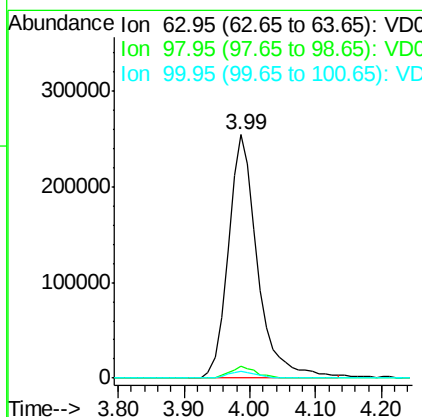
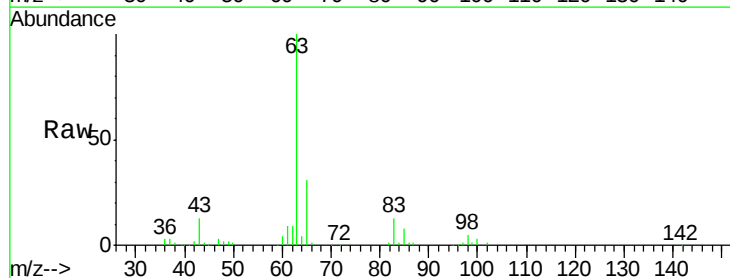
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

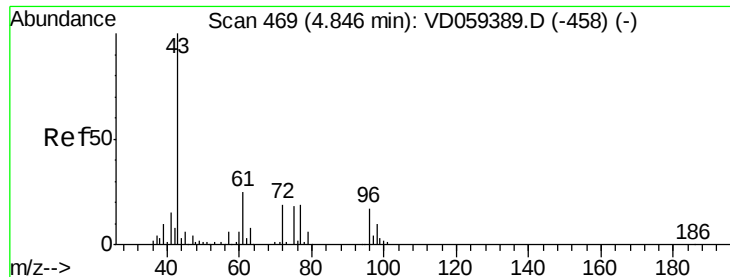
Tgt Ion: 43 Resp: 3844464
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.2 7.8



#24
 1,1-Dichloroethane
 Concen: 58.093 ug/l
 RT: 3.99 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 63 Resp: 789472
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.1 6.5
 100 2.9 1.8 5.5





#25

2-Butanone

Concen: 276.920 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampled :

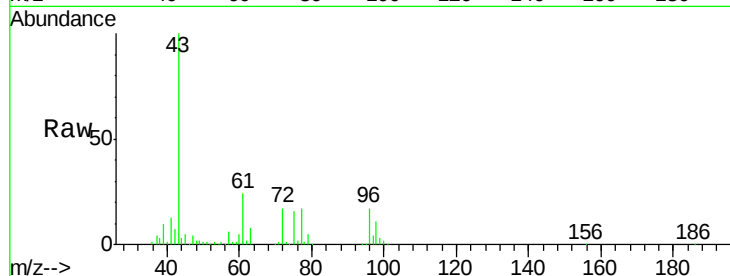
BFB

Tgt Ion: 43 Resp: 626617

Ion Ratio Lower Upper

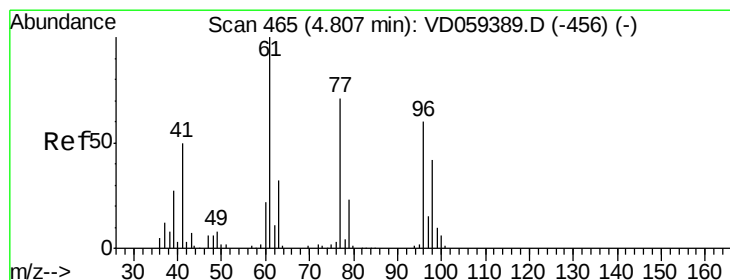
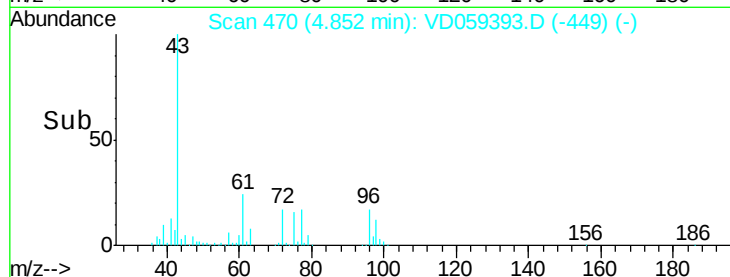
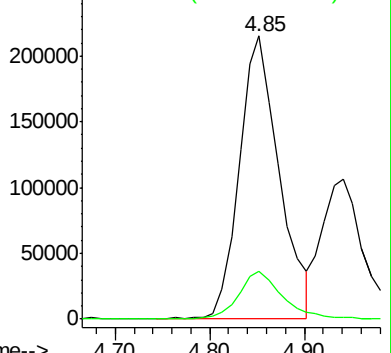
43 100

72 17.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.699 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059393.D

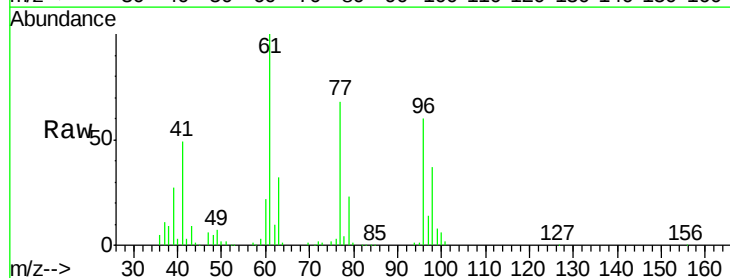
Acq: 25 Jun 2018 3:40

Tgt Ion: 77 Resp: 587009

Ion Ratio Lower Upper

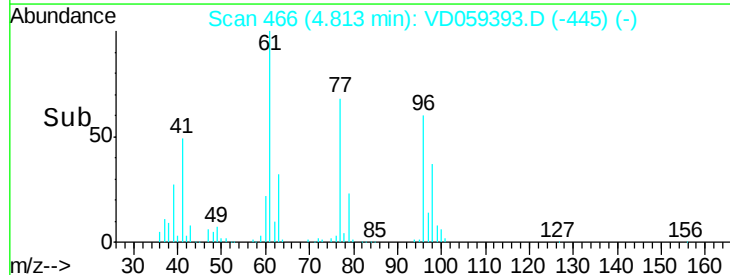
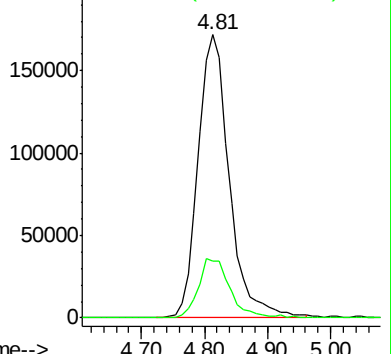
77 100

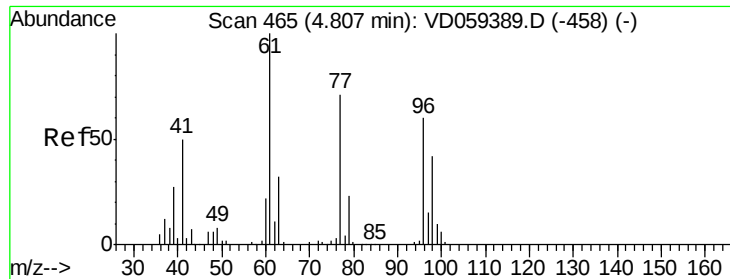
97 20.1 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



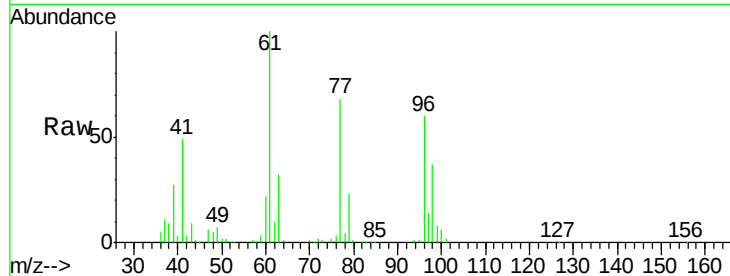


#27

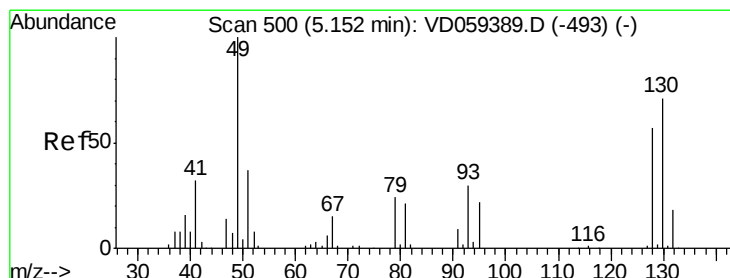
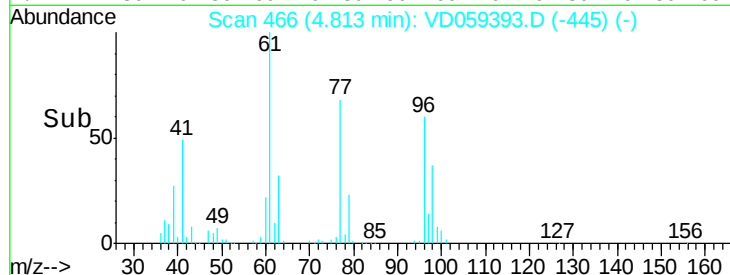
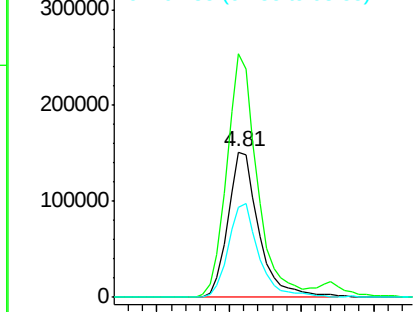
cis-1,2-Dichloroethene
Concen: 55.228 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 96 Resp: 452523
Ion Ratio Lower Upper
96 100
61 167.8 0.0 335.8
98 62.2 0.0 141.0



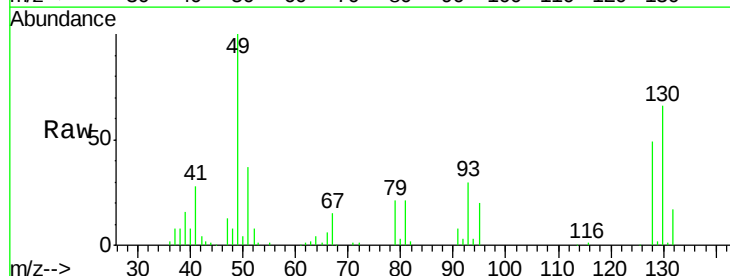
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



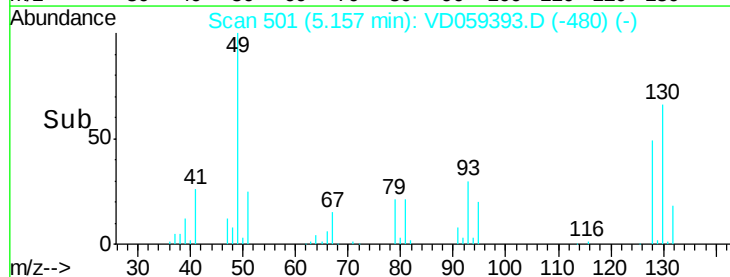
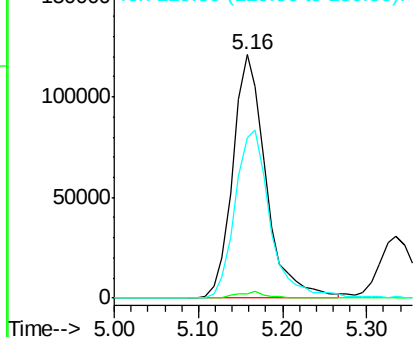
#28

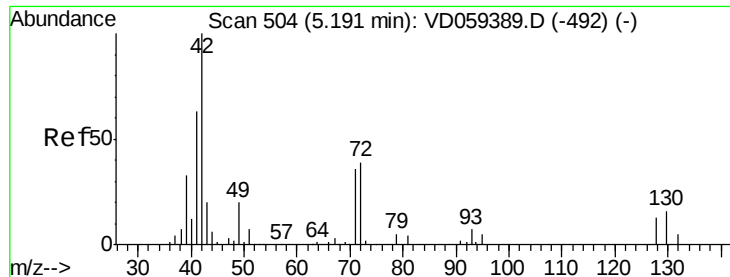
Bromochloromethane
Concen: 56.405 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 49 Resp: 332315
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.4
130 66.1 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

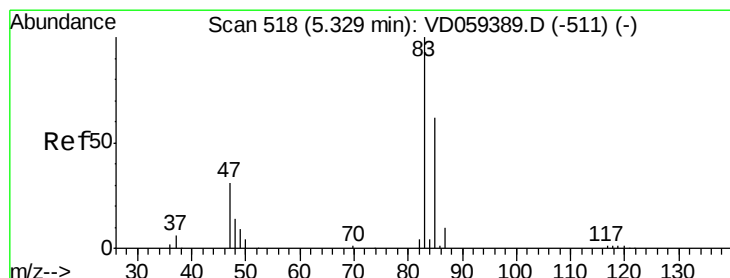
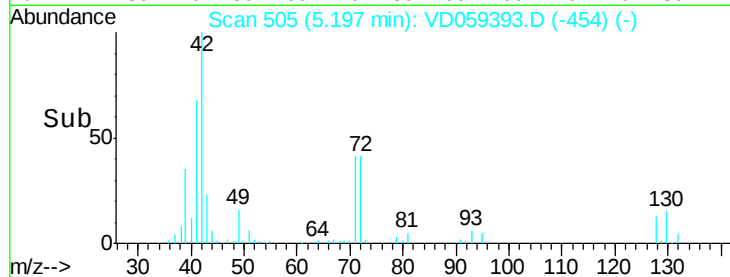
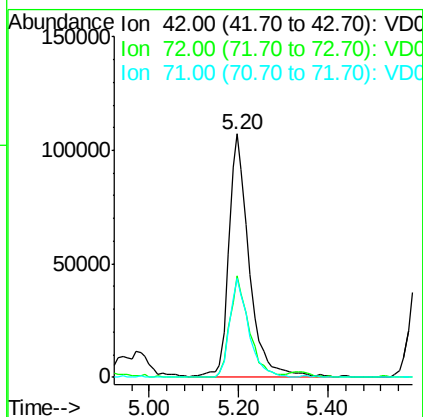
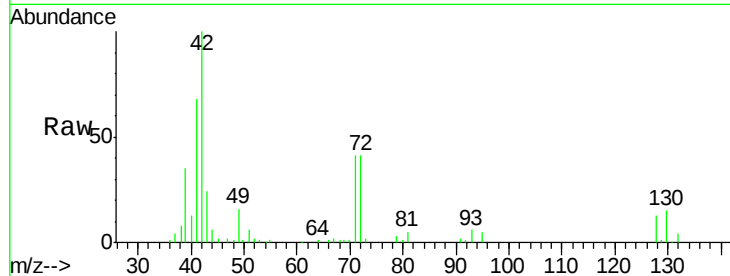




#29
Tetrahydrofuran
Concen: 277.535 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

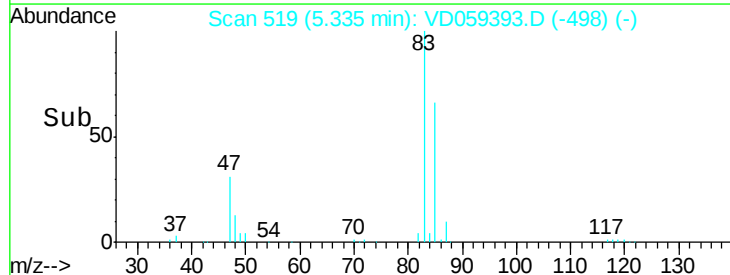
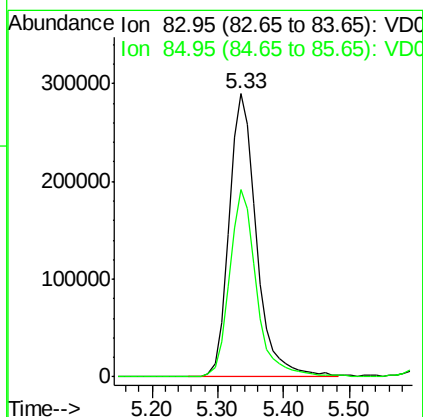
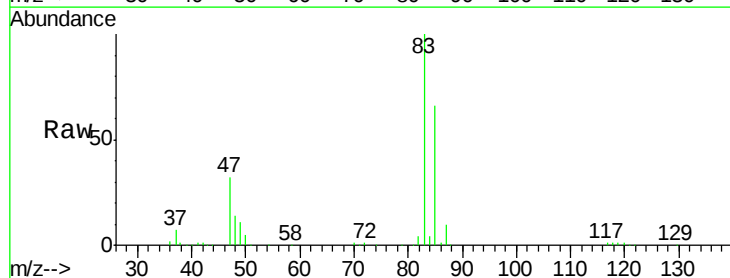
Instrument :
MSVOA_D
ClientSampleId :
BFB

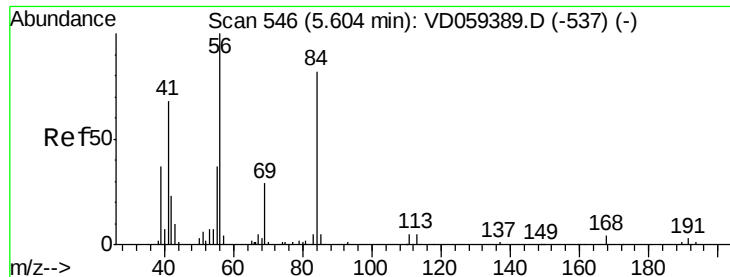
Tgt Ion: 42 Resp: 343512
Ion Ratio Lower Upper
42 100
72 39.0 31.4 47.2
71 37.7 29.7 44.5



#30
Chloroform
Concen: 57.077 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 83 Resp: 845428
Ion Ratio Lower Upper
83 100
85 66.0 49.3 73.9

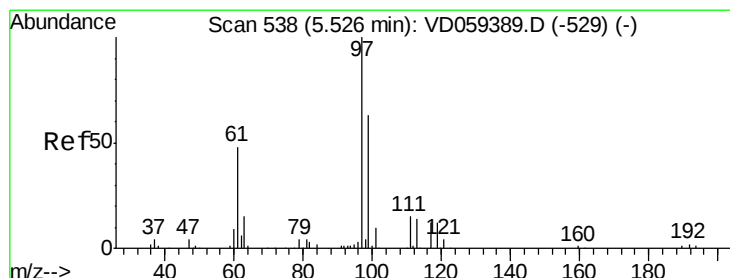
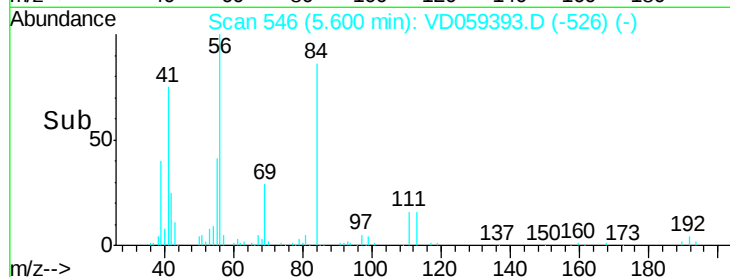
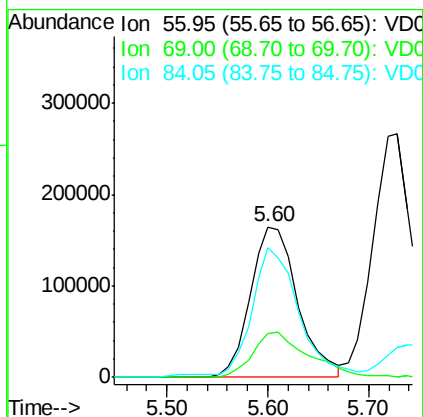
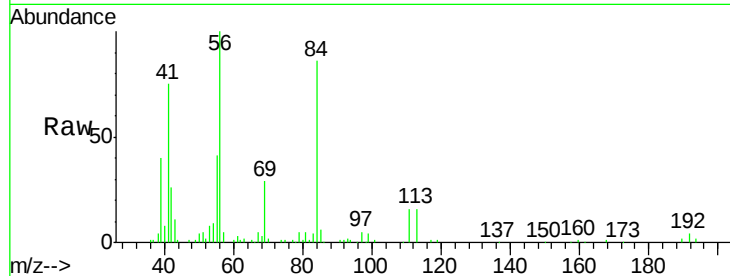




#31
Cyclohexane
Concen: 60.429 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

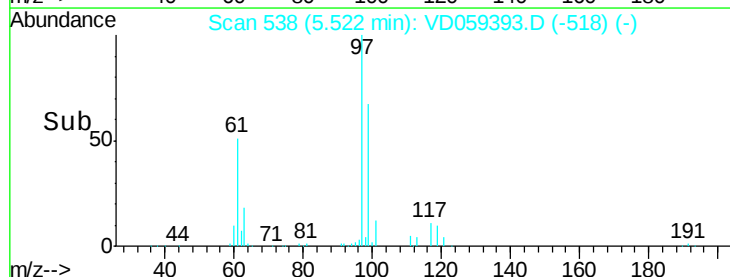
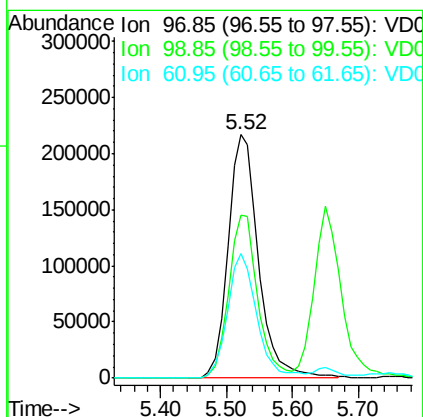
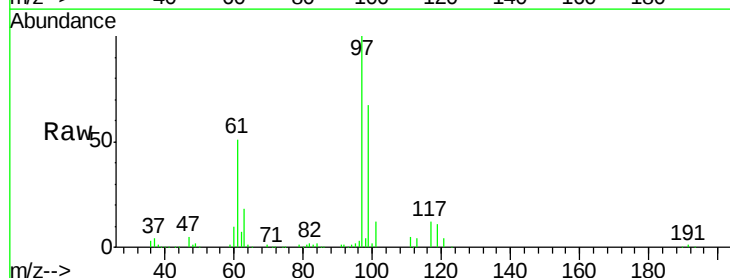
Instrument :
MSVOA_D
ClientSampleId :
BFB

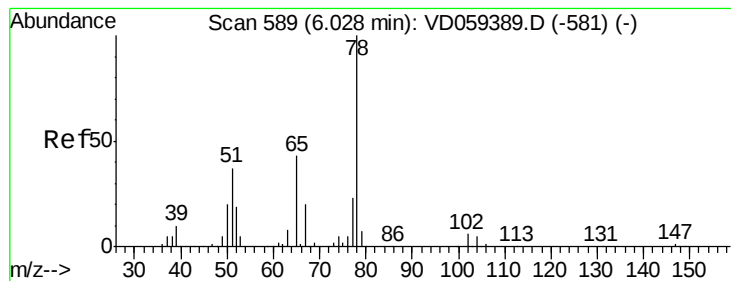
Tgt Ion: 56 Resp: 534605
Ion Ratio Lower Upper
56 100
69 29.0 22.9 34.3
84 86.4 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 58.235 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 97 Resp: 698495
Ion Ratio Lower Upper
97 100
99 66.7 50.2 75.4
61 51.0 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 58.235 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

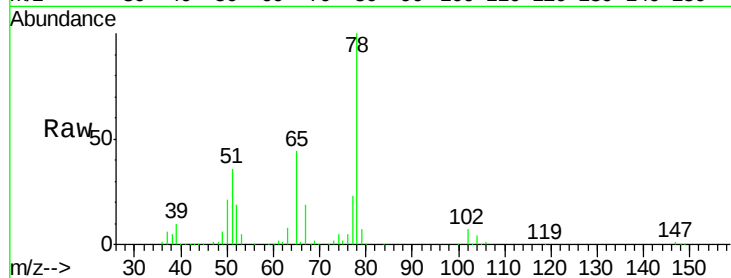
BFB

Tgt Ion: 65 Resp: 479645

Ion Ratio Lower Upper

65 100

67 43.0 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

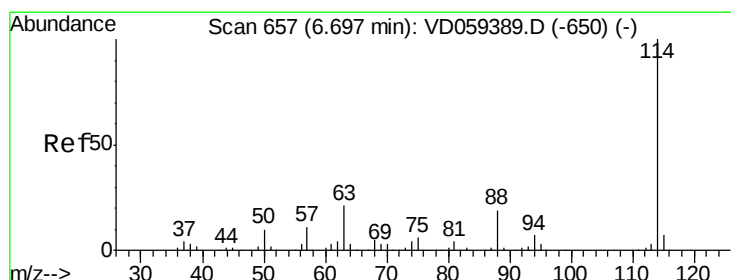
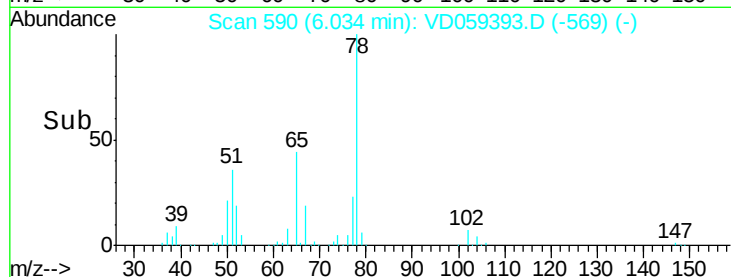
100000

50000

0

6.03

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

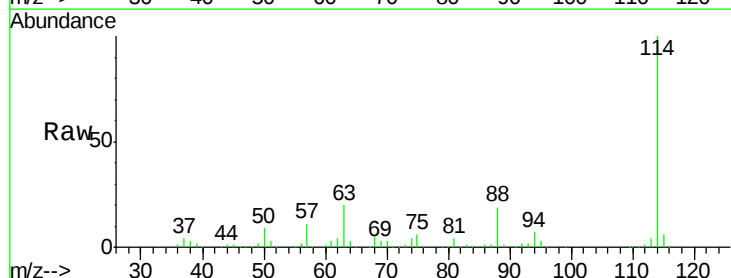
Tgt Ion: 114 Resp: 1105486

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 19.2 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

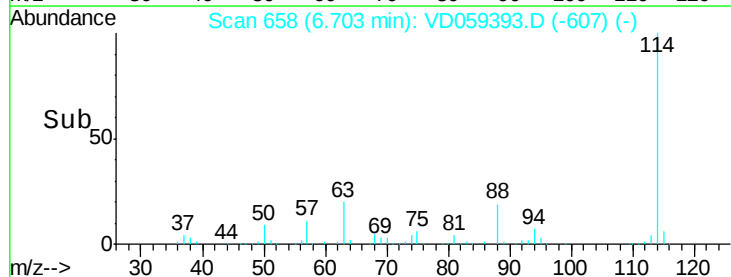
200000

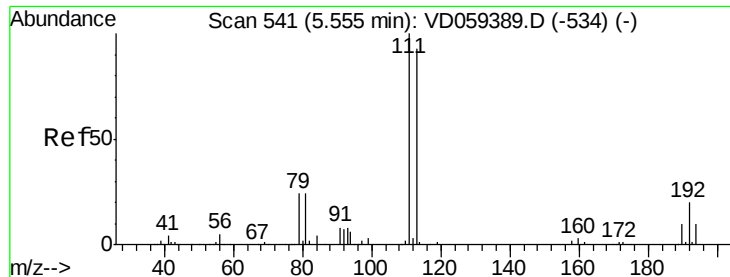
100000

0

6.70

Time--> 6.60 6.80 7.00





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

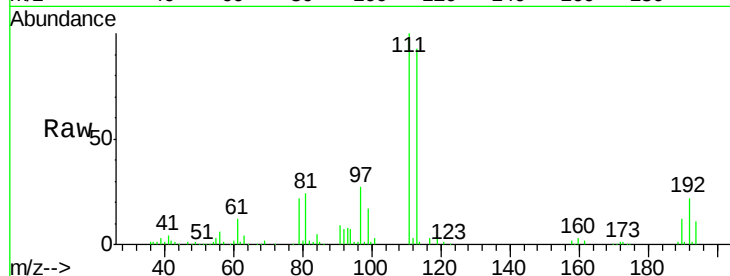
Tgt Ion:113 Resp: 488756

Ion Ratio Lower Upper

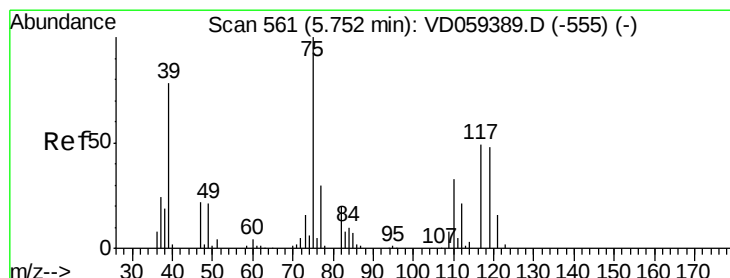
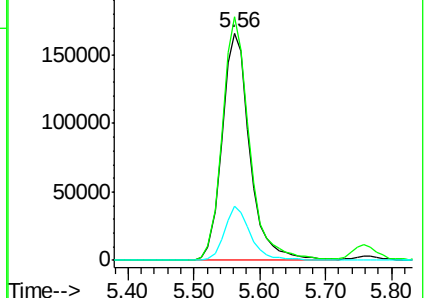
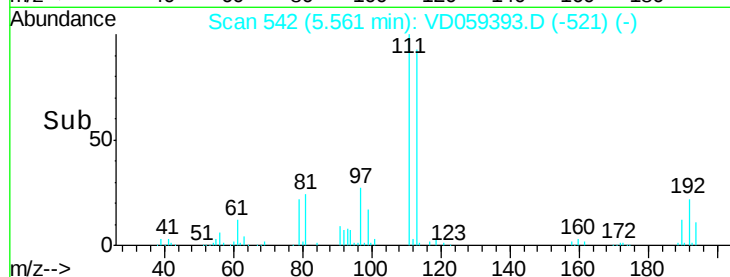
113 100

111 107.0 85.7 128.5

192 23.6 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: 54.218 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

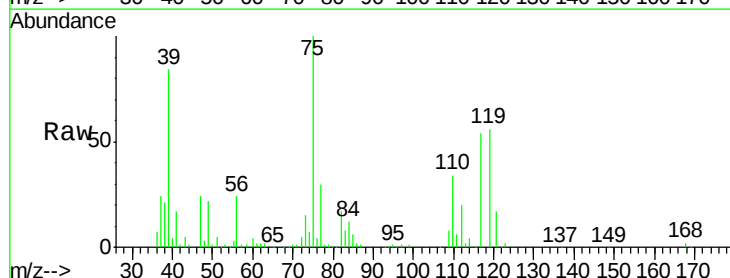
Tgt Ion: 75 Resp: 543713

Ion Ratio Lower Upper

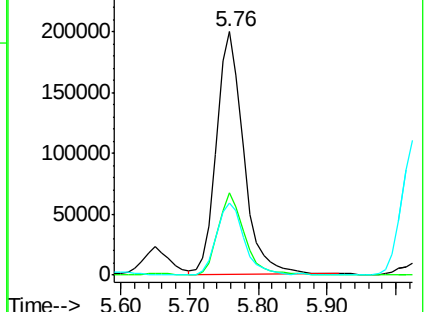
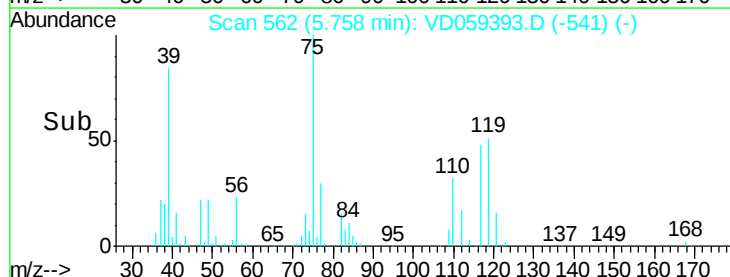
75 100

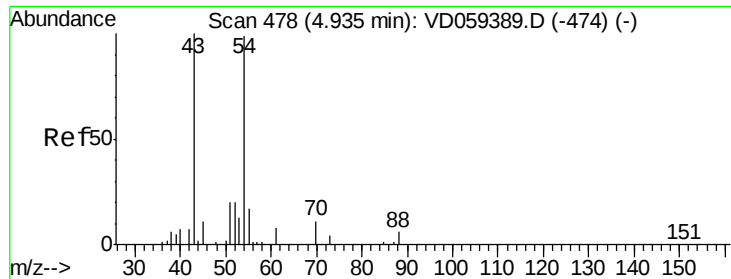
110 34.1 16.1 48.2

77 29.8 23.4 35.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 55.459 ug/l

RT: 4.94 min Scan# 479

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

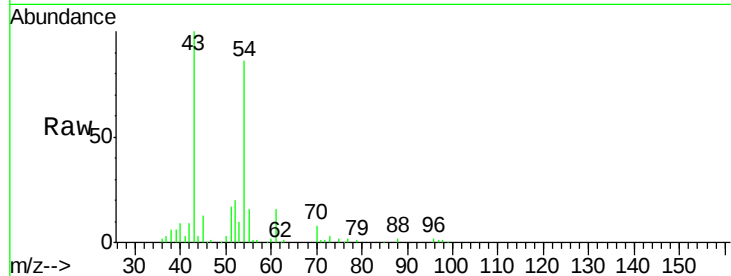
Tgt Ion: 43 Resp: 338695

Ion Ratio Lower Upper

43 100

61 15.9 11.8 17.8

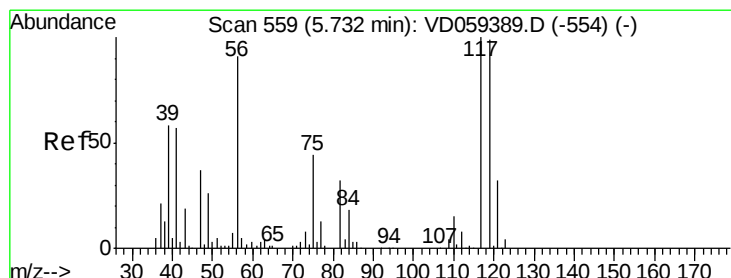
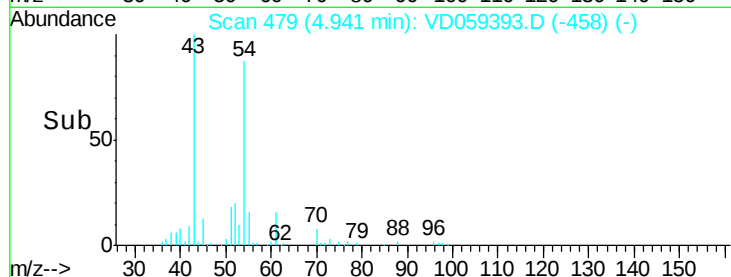
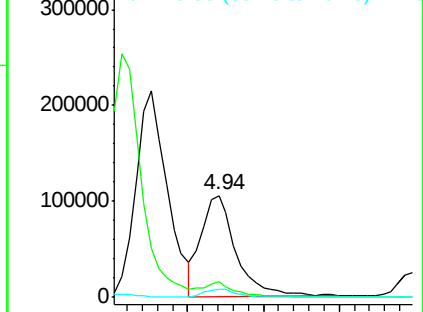
70 8.1 6.1 9.1



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: 58.008 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

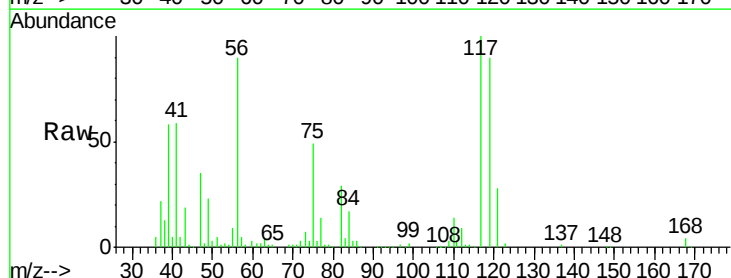
Tgt Ion: 117 Resp: 599762

Ion Ratio Lower Upper

117 100

119 90.1 76.6 115.0

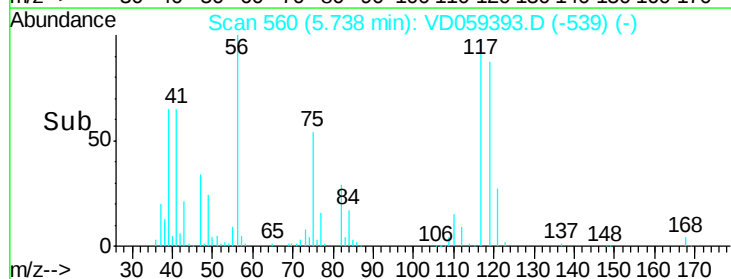
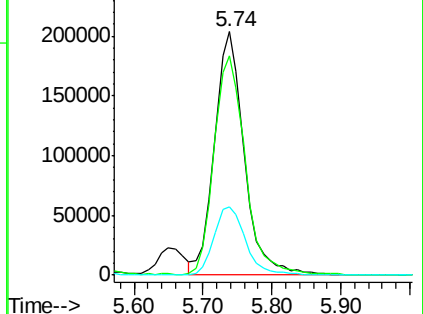
121 28.0 25.0 37.4

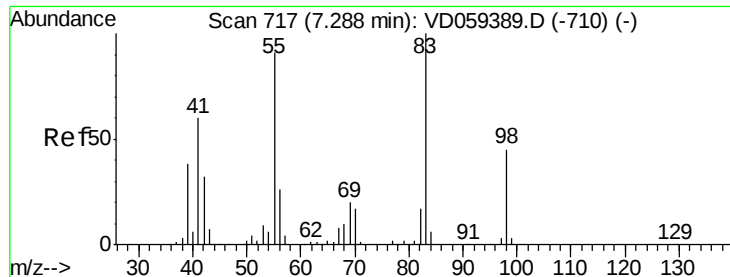


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

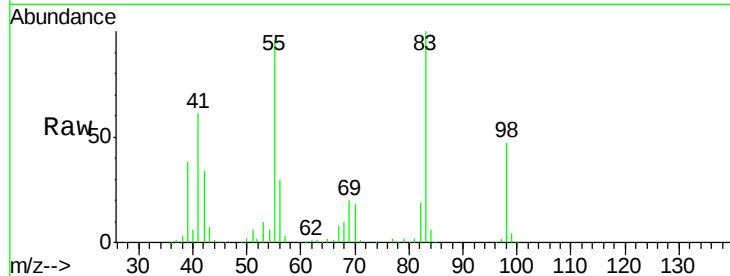




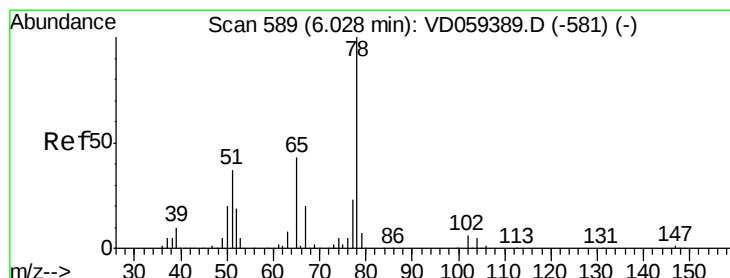
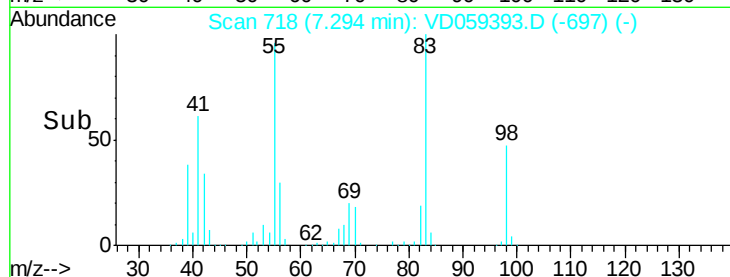
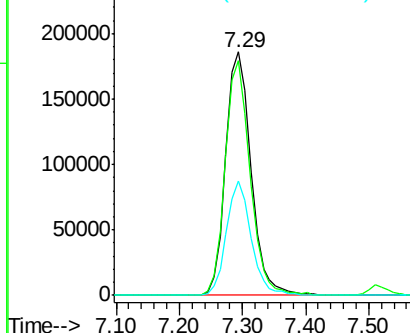
#39
Methylcyclohexane
Concen: 54.725 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 83 Resp: 520507
Ion Ratio Lower Upper
83 100
55 96.5 72.6 109.0
98 47.1 35.8 53.6

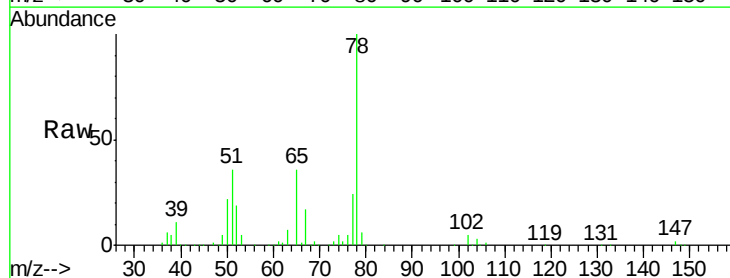


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

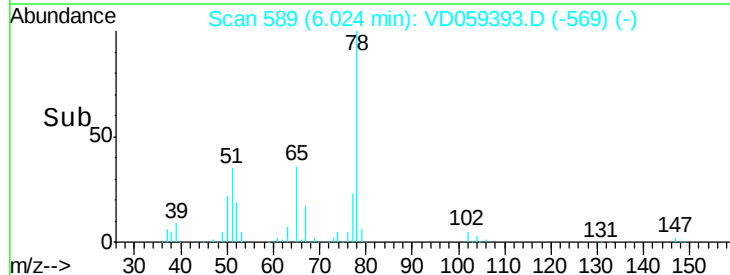
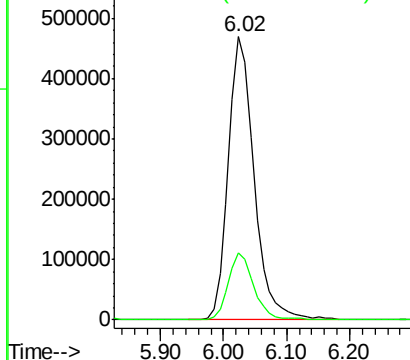


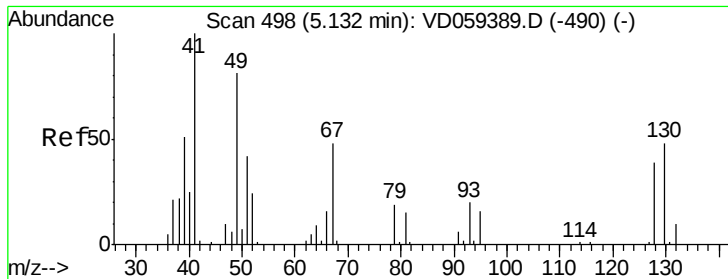
#40
Benzene
Concen: 55.223 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 78 Resp: 1328956
Ion Ratio Lower Upper
78 100
77 23.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.406 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 160040

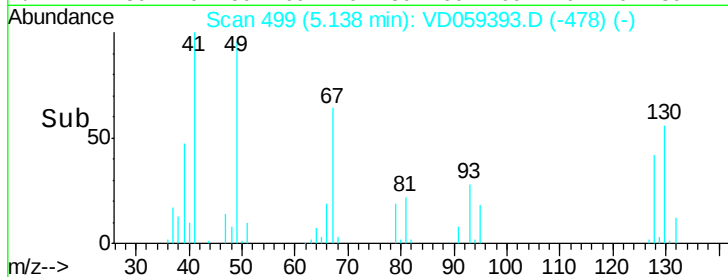
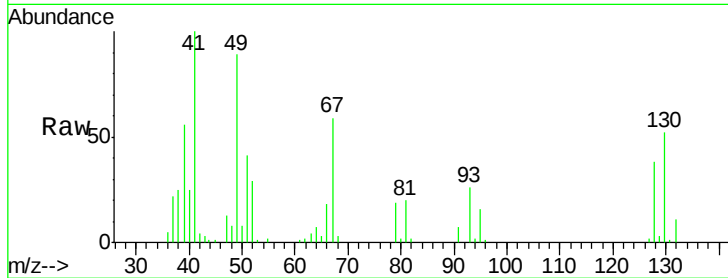
Ion Ratio Lower Upper

41 100

39 55.9 41.5 62.3

67 59.2 38.7 58.1#

52 29.5 19.4 29.2#

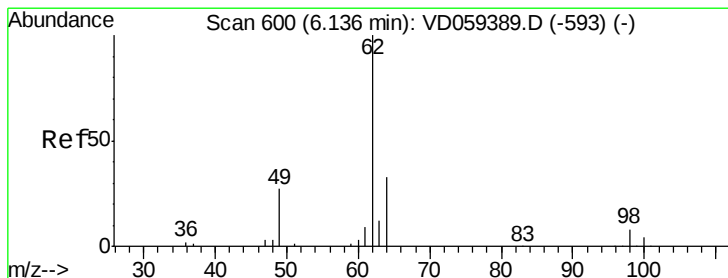
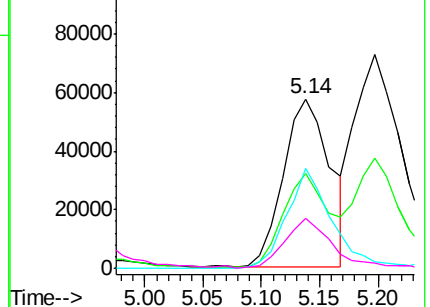


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 56.484 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD059393.D

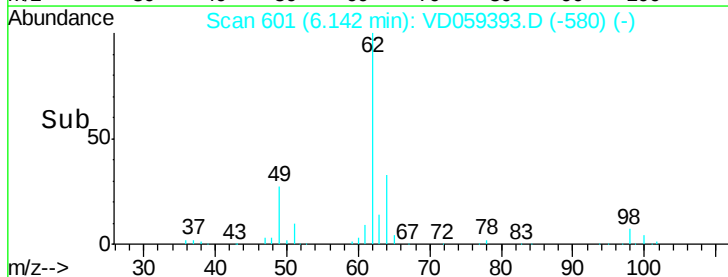
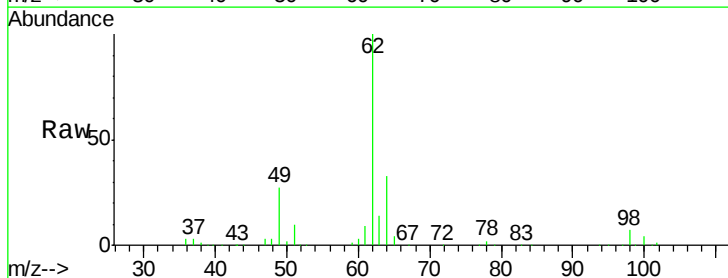
Acq: 25 Jun 2018 3:40

Tgt Ion: 62 Resp: 600616

Ion Ratio Lower Upper

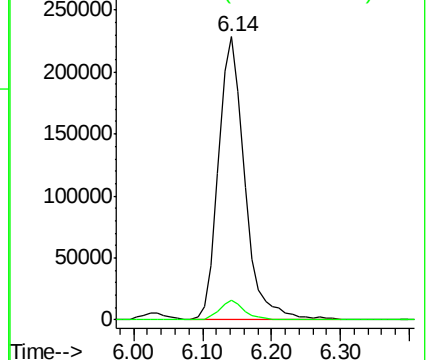
62 100

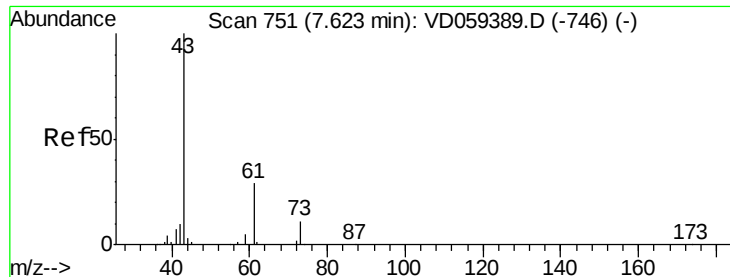
98 7.1 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 58.564 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

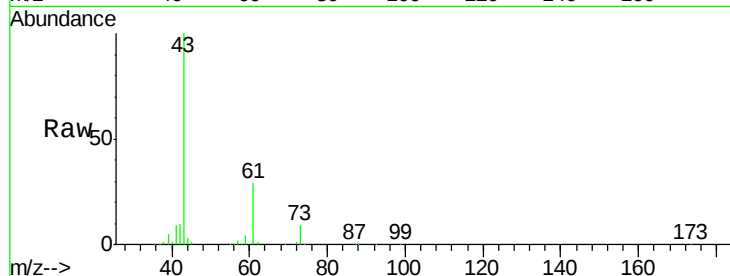
Tgt Ion: 43 Resp: 449159

Ion Ratio Lower Upper

43 100

61 29.3 23.1 34.7

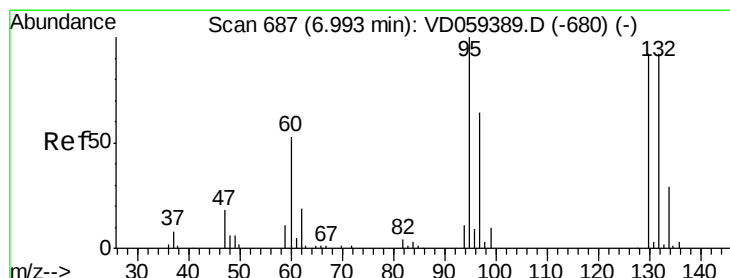
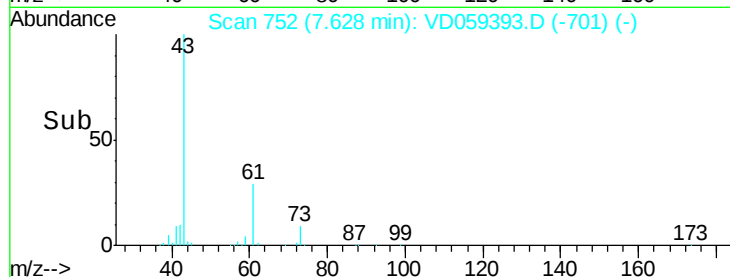
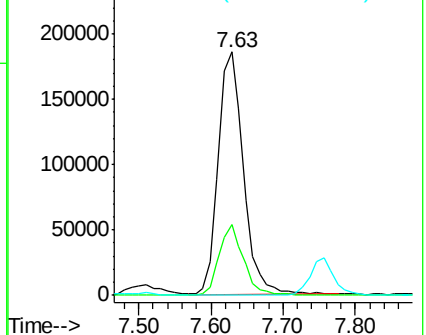
87 0.3 0.2 0.4



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: 54.804 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD059393.D

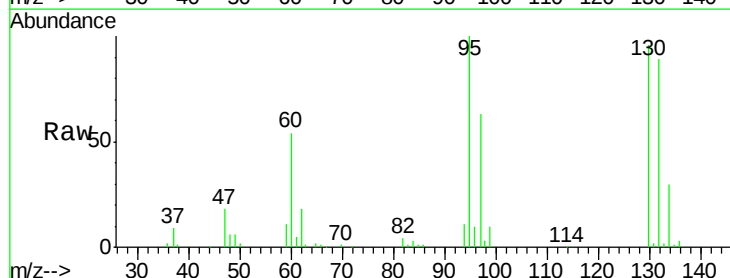
Acq: 25 Jun 2018 3:40

Tgt Ion:130 Resp: 431834

Ion Ratio Lower Upper

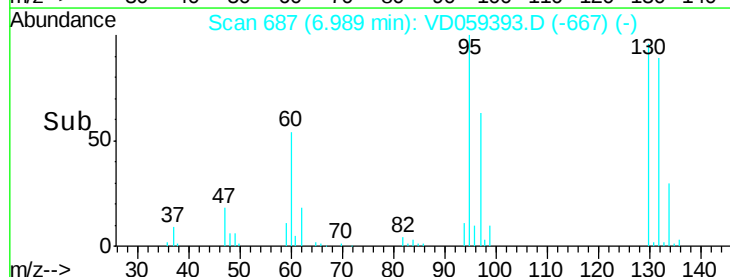
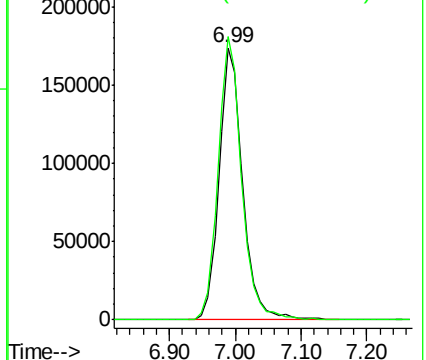
130 100

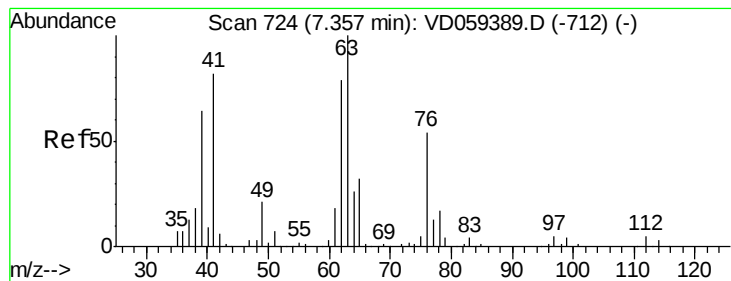
95 103.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.649 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

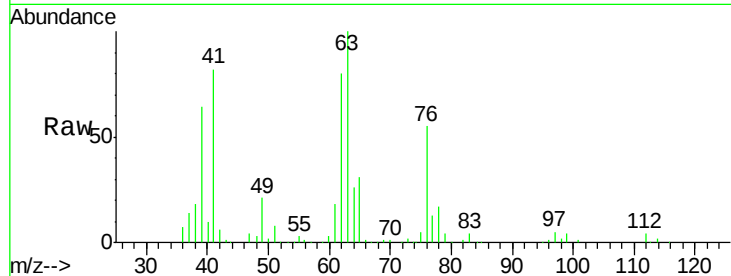
BFB

Tgt Ion: 63 Resp: 364255

Ion Ratio Lower Upper

63 100

65 30.6 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

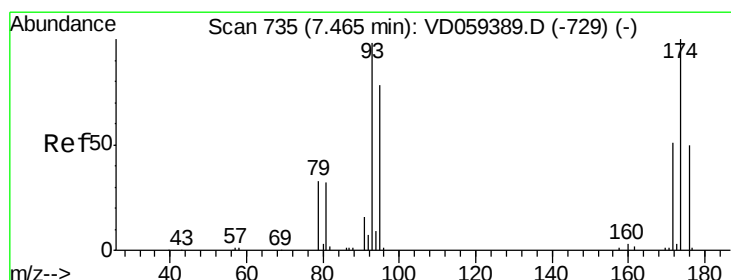
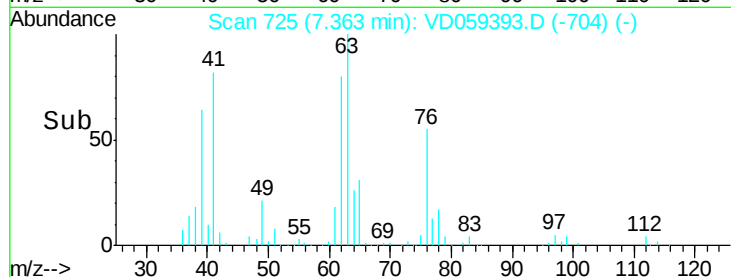
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 55.756 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

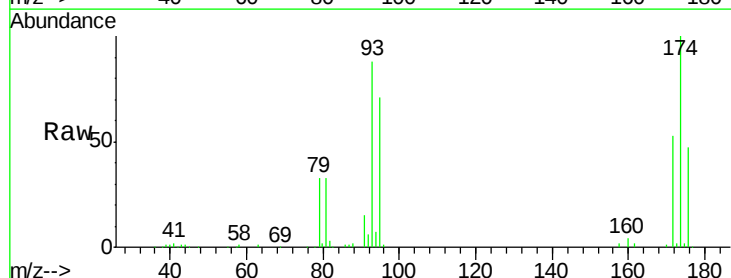
Tgt Ion: 93 Resp: 267267

Ion Ratio Lower Upper

93 100

95 81.0 63.4 95.0

174 113.3 81.4 122.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.47

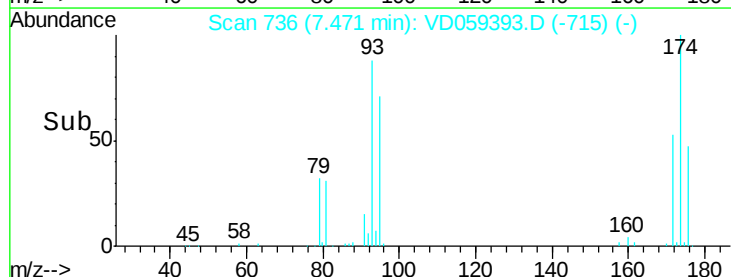
150000

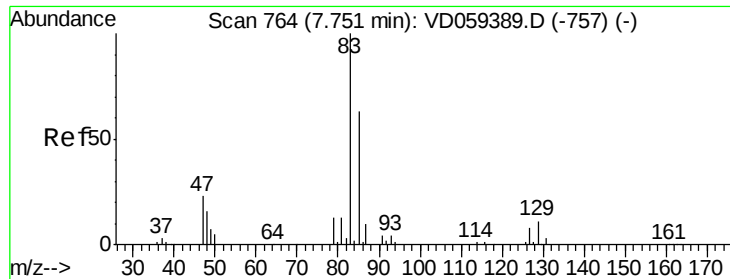
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 58.331 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

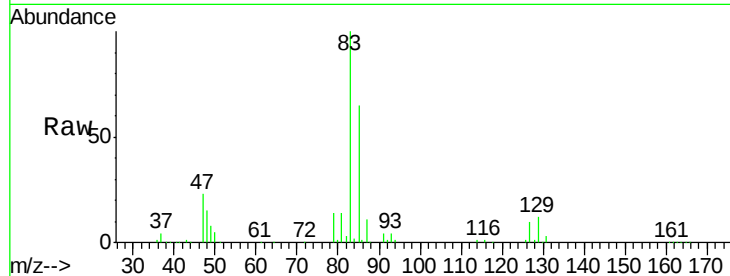
Tgt Ion: 83 Resp: 625641

Ion Ratio Lower Upper

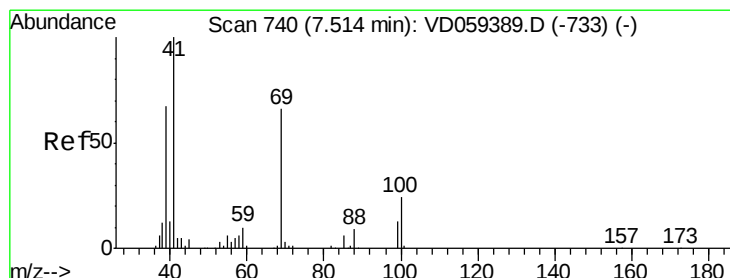
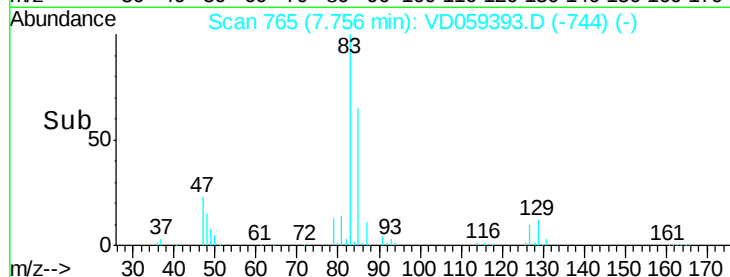
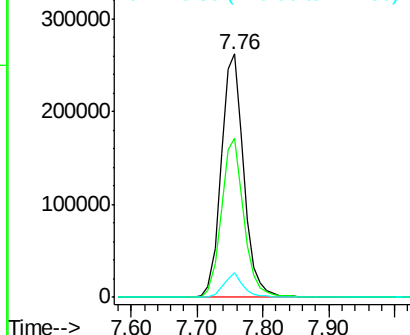
83 100

85 65.4 50.1 75.1

127 10.0 6.1 9.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 58.716 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

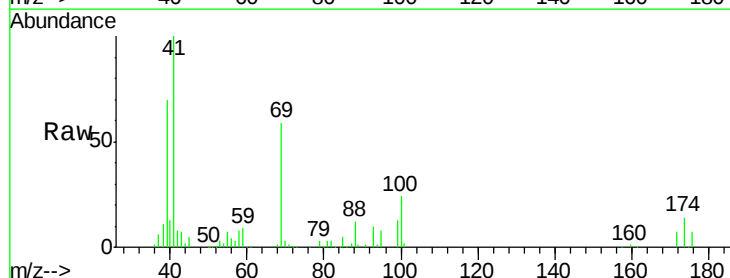
Tgt Ion: 41 Resp: 274357

Ion Ratio Lower Upper

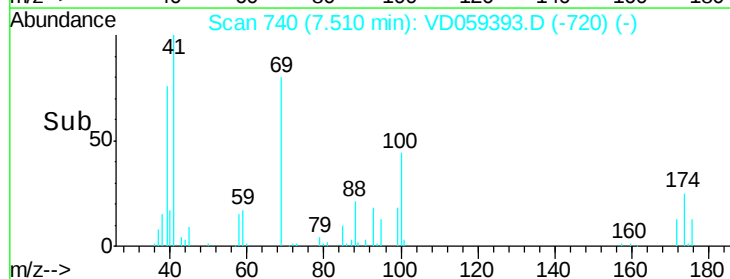
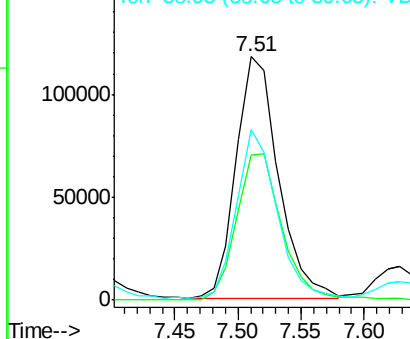
41 100

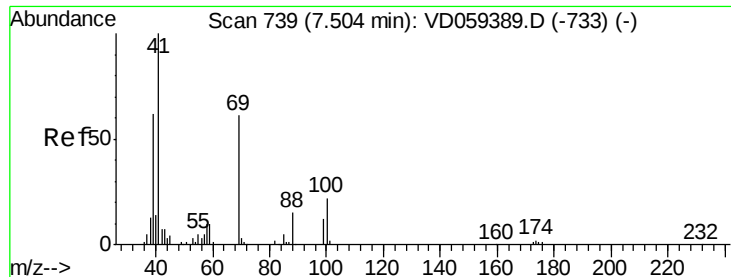
69 59.4 52.6 79.0

39 70.3 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





#49

1,4-Dioxane

Concen: 1127.063 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

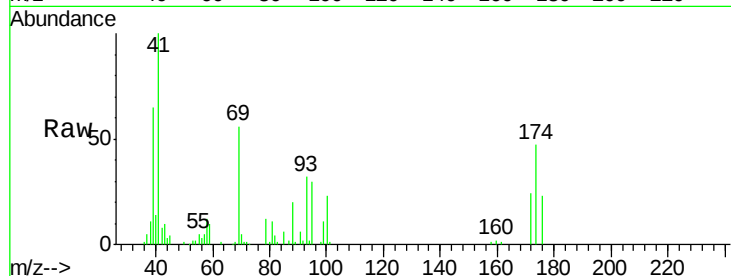
Tgt Ion: 88 Resp: 52816

Ion Ratio Lower Upper

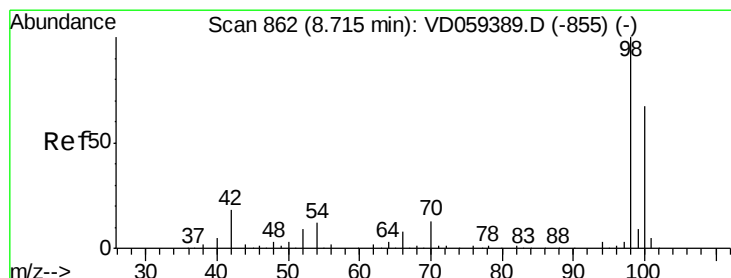
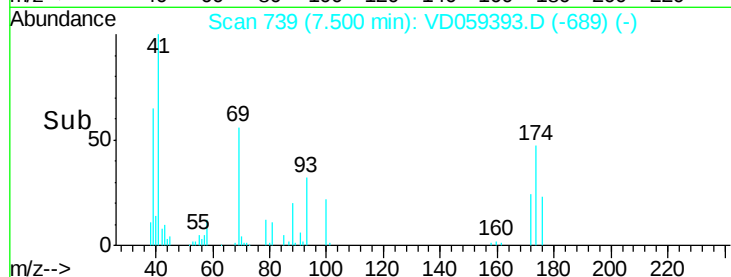
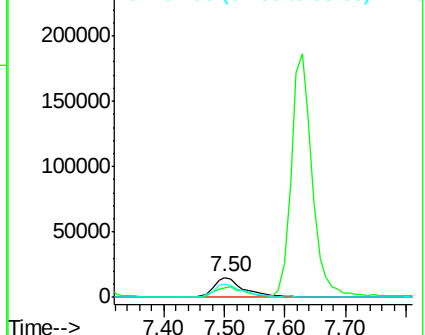
88 100

43 49.1 41.0 61.4

58 62.3 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1127.063 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD059393.D

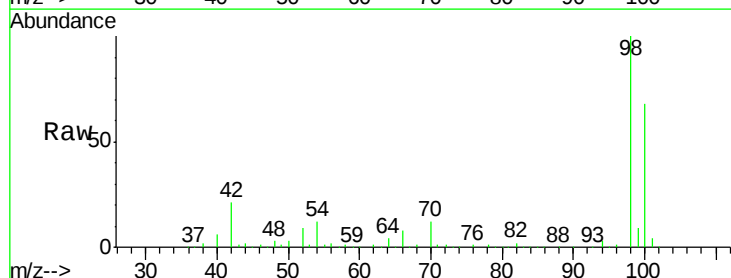
Acq: 25 Jun 2018 3:40

Tgt Ion: 98 Resp: 1144836

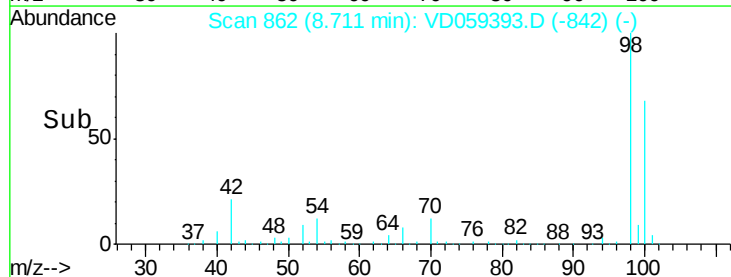
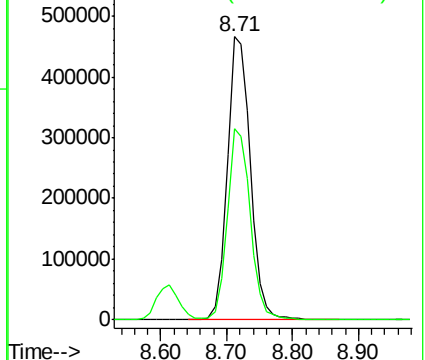
Ion Ratio Lower Upper

98 100

100 67.6 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: 276.077 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

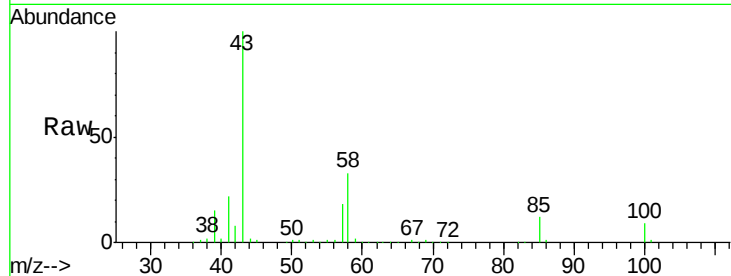
BFB

Tgt Ion: 43 Resp: 1410946

Ion Ratio Lower Upper

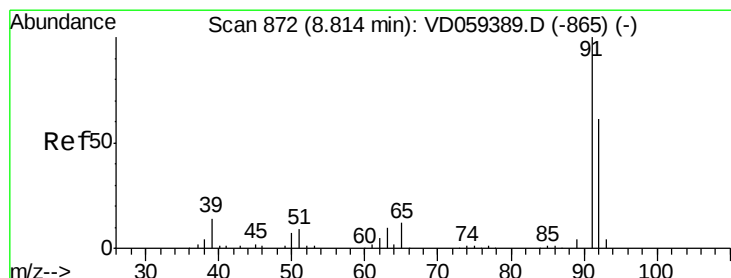
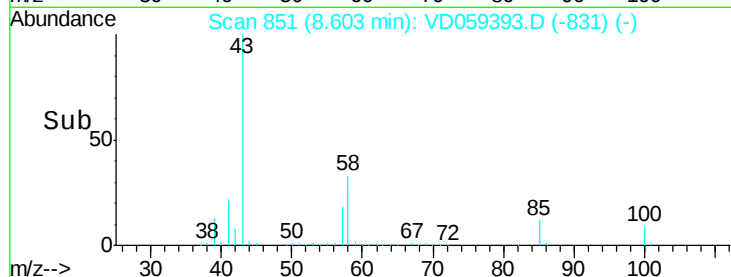
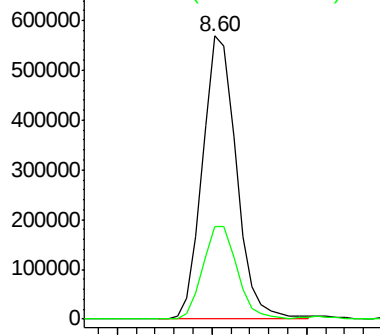
43 100

58 32.7 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: 54.054 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD059393.D

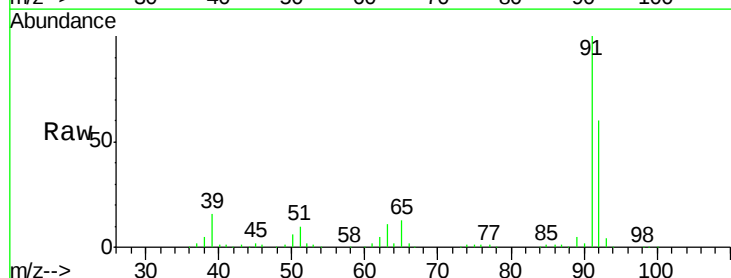
Acq: 25 Jun 2018 3:40

Tgt Ion: 92 Resp: 776902

Ion Ratio Lower Upper

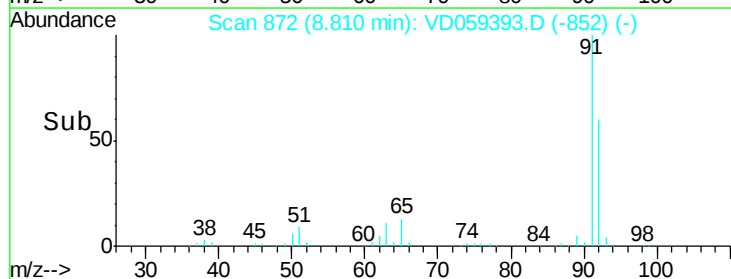
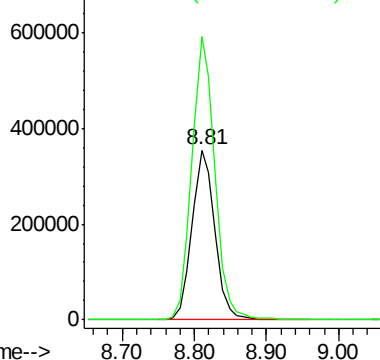
92 100

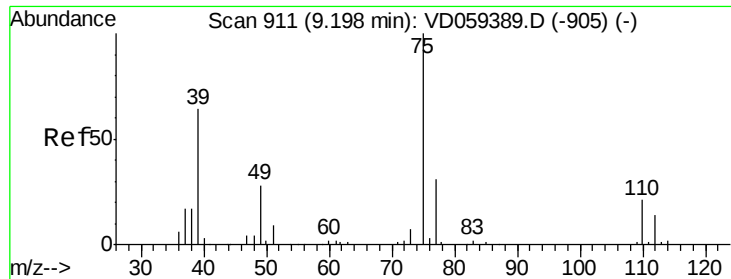
91 166.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

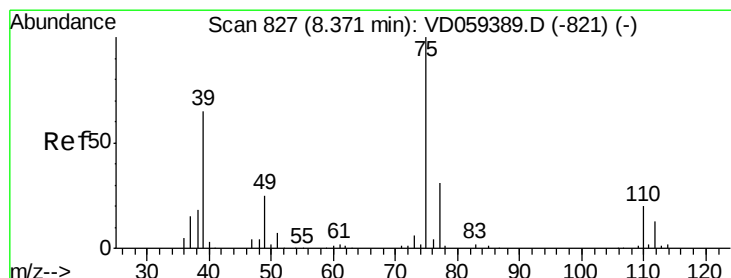
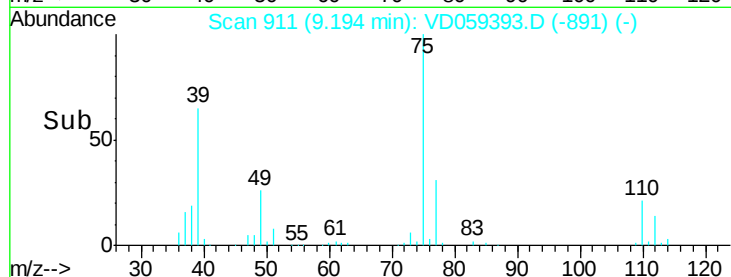
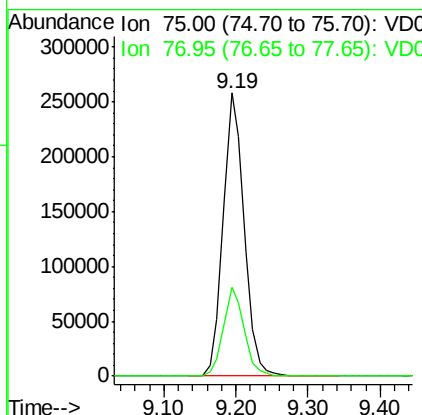
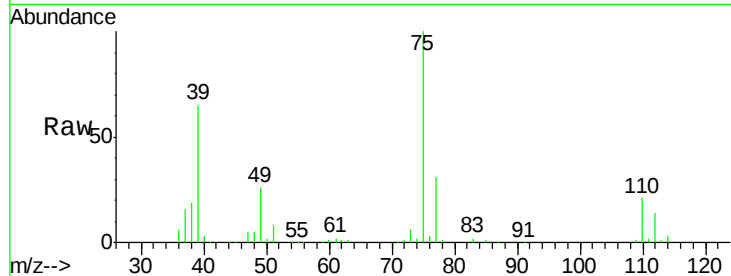




#53
 t-1,3-Dichloropropene
 Concen: 58.187 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

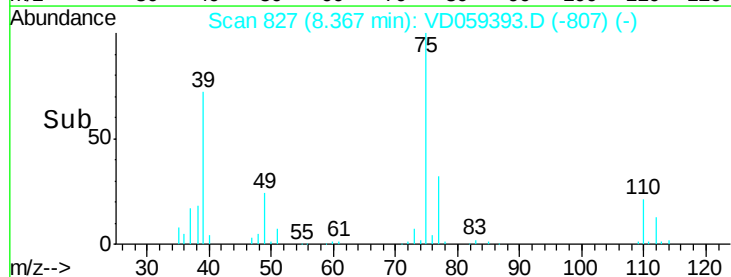
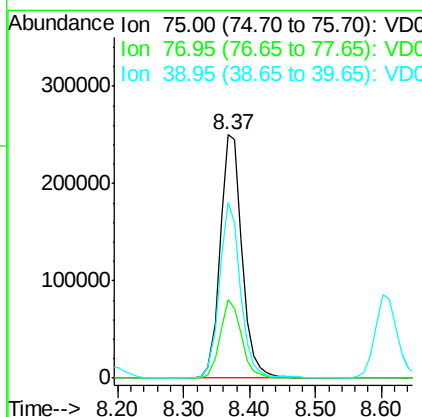
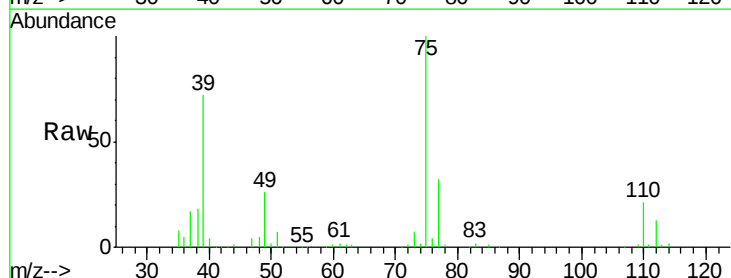
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

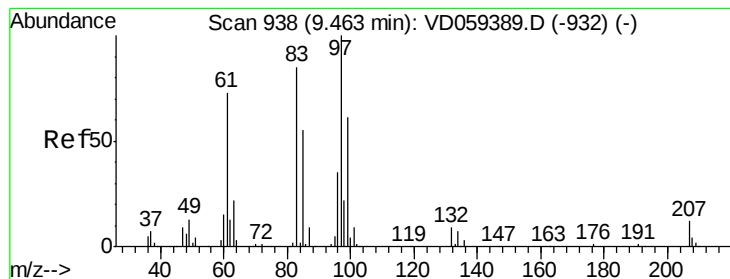
Tgt Ion: 75 Resp: 521528
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.983 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 75 Resp: 580986
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1
 39 72.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 55.812 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 291232

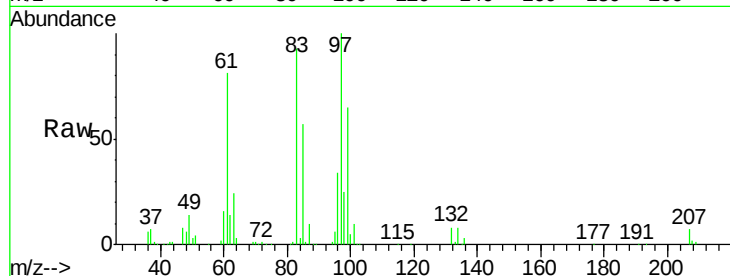
Ion Ratio Lower Upper

97 100

83 92.9 67.7 101.5

85 56.8 44.3 66.5

99 65.0 48.6 73.0

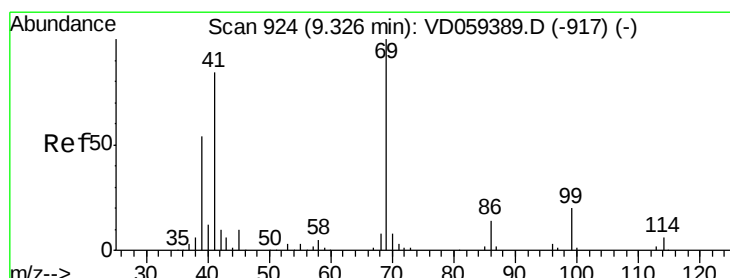
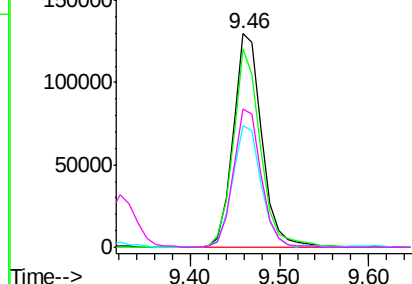
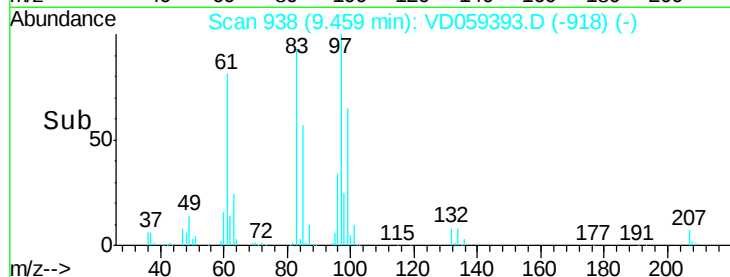


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 57.615 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

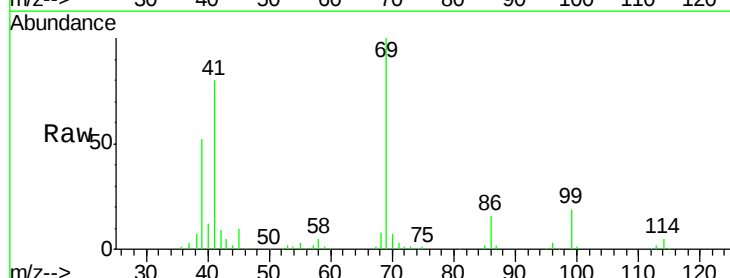
Tgt Ion: 69 Resp: 343065

Ion Ratio Lower Upper

69 100

41 79.5 67.4 101.0

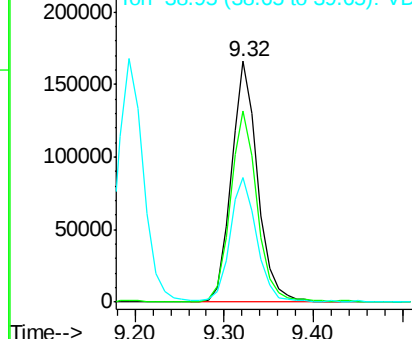
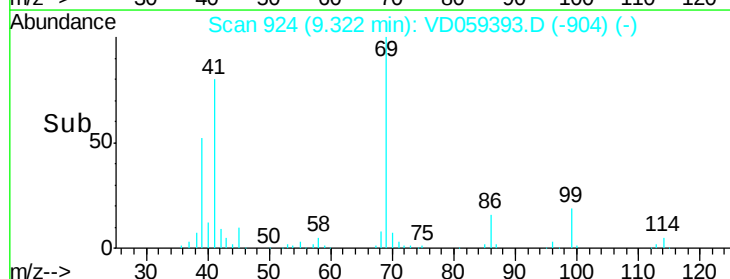
39 51.5 43.7 65.5

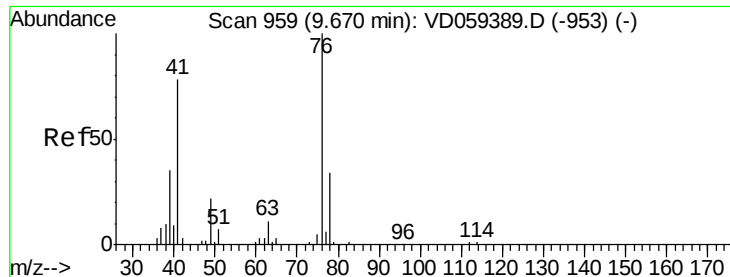


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.048 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

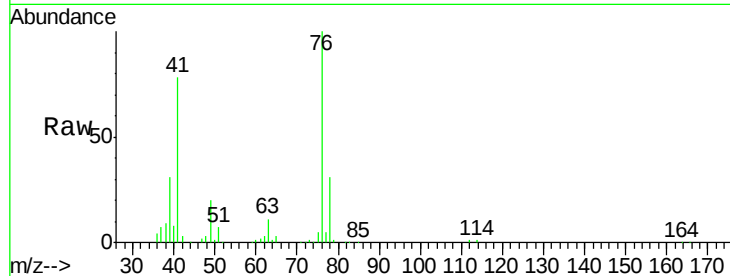
BFB

Tgt Ion: 76 Resp: 478331

Ion Ratio Lower Upper

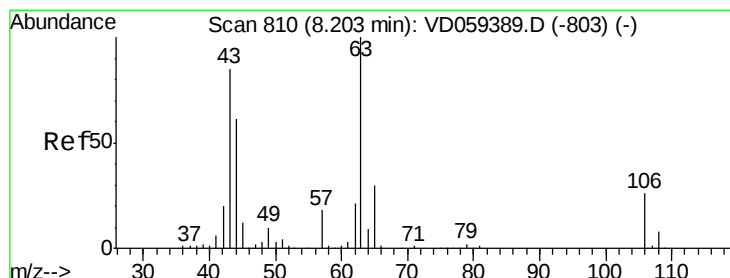
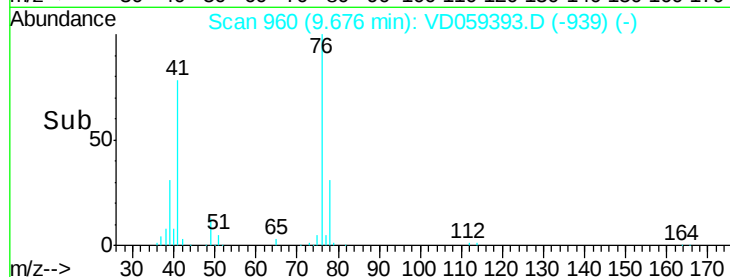
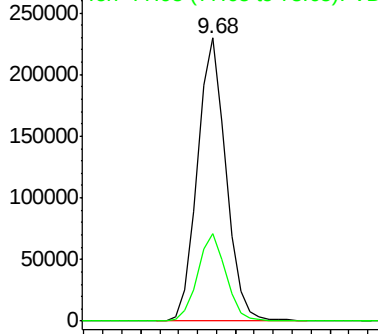
76 100

78 30.9 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 273.288 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD059393.D

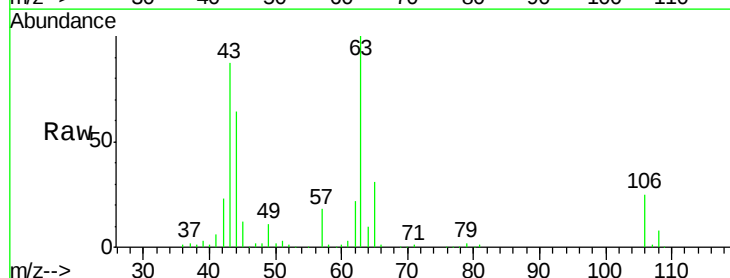
Acq: 25 Jun 2018 3:40

Tgt Ion: 63 Resp: 837707

Ion Ratio Lower Upper

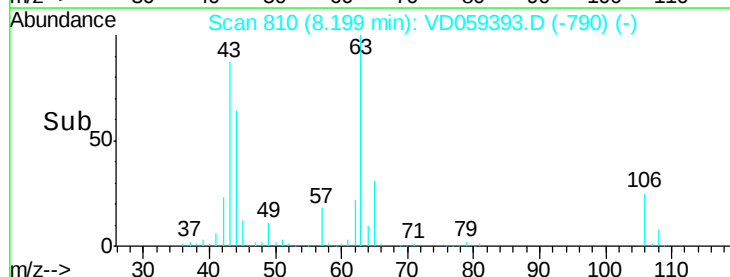
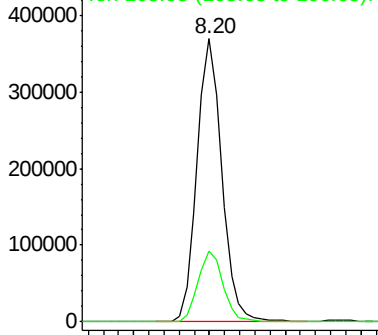
63 100

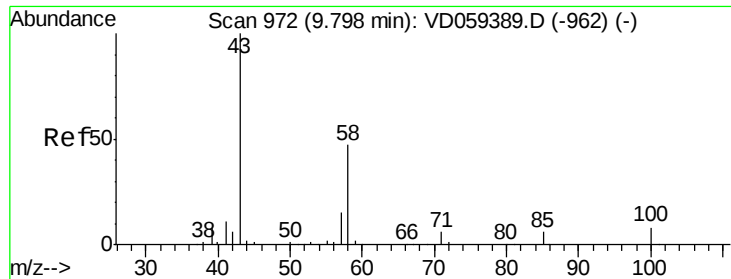
106 25.1 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

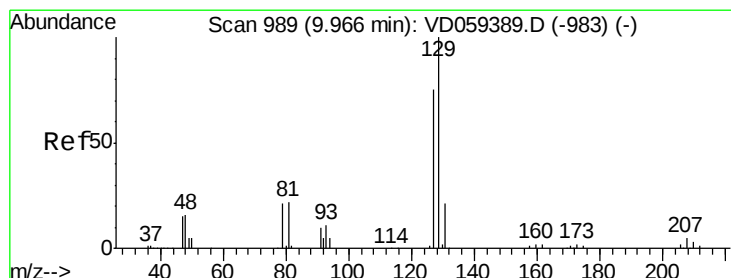
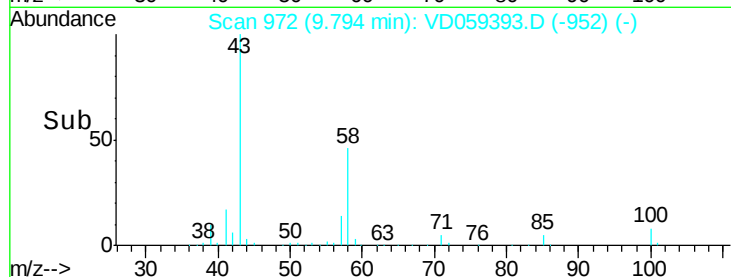
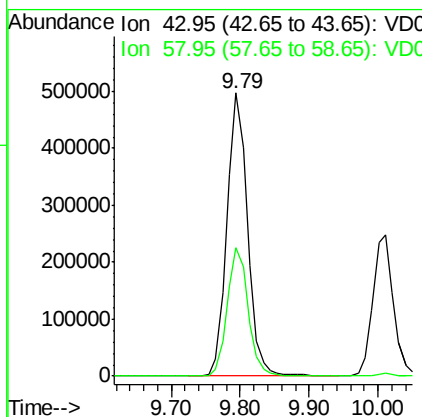
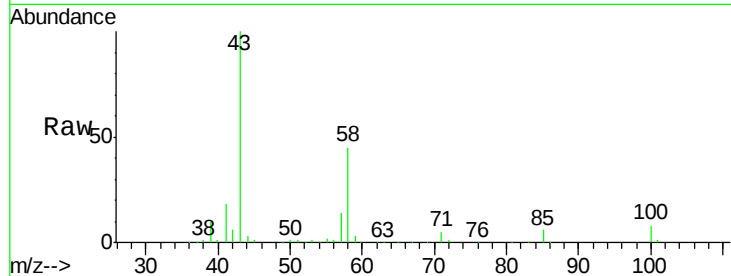




#59
2-Hexanone
Concen: 283.617 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

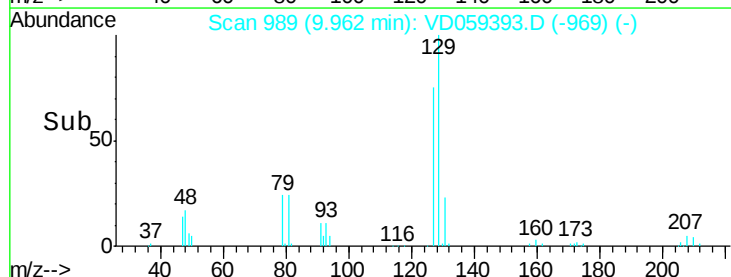
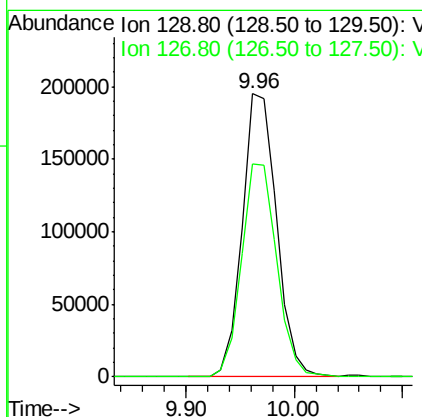
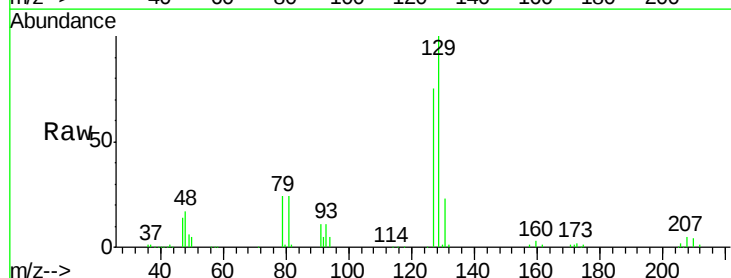
Instrument :
MSVOA_D
ClientSampleId :
BFB

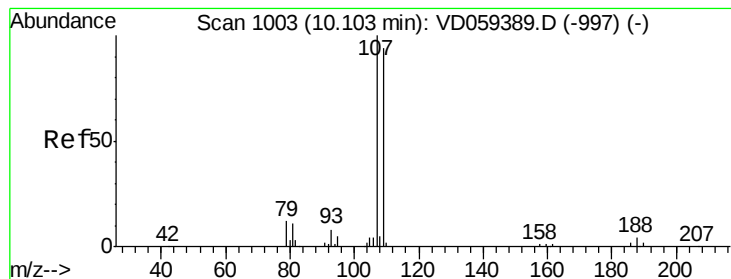
Tgt Ion: 43 Resp: 1030191
Ion Ratio Lower Upper
43 100
58 45.5 23.3 69.9



#60
Dibromochloromethane
Concen: 58.895 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 129 Resp: 430359
Ion Ratio Lower Upper
129 100
127 75.4 37.3 111.8





#61

1,2-Dibromoethane

Concen: 57.086 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

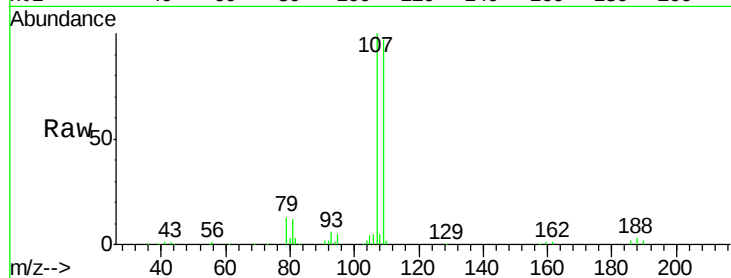
BFB

Tgt Ion: 107 Resp: 331719

Ion Ratio Lower Upper

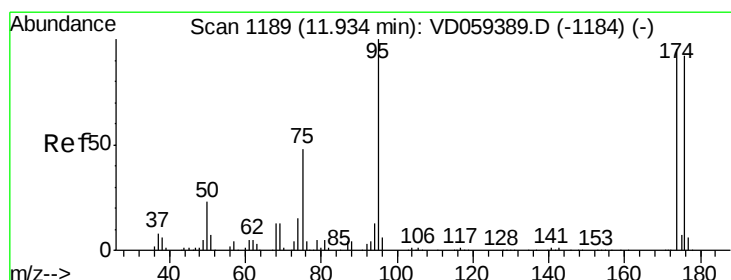
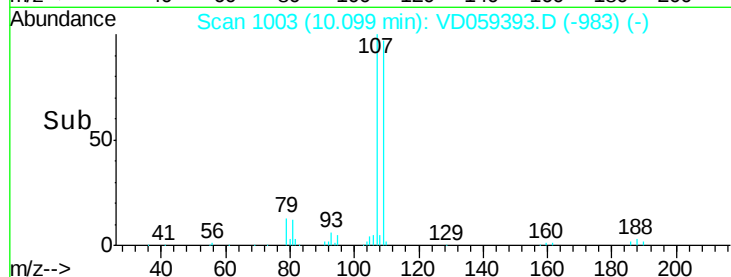
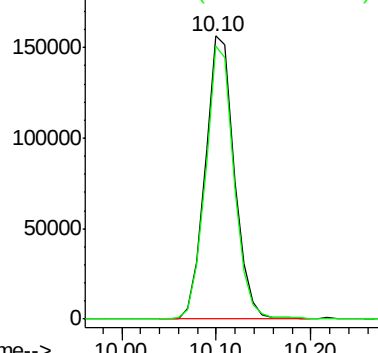
107 100

109 96.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.086 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

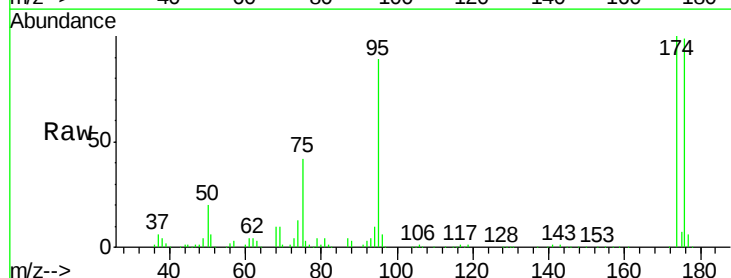
Tgt Ion: 95 Resp: 498190

Ion Ratio Lower Upper

95 100

174 111.8 0.0 190.4

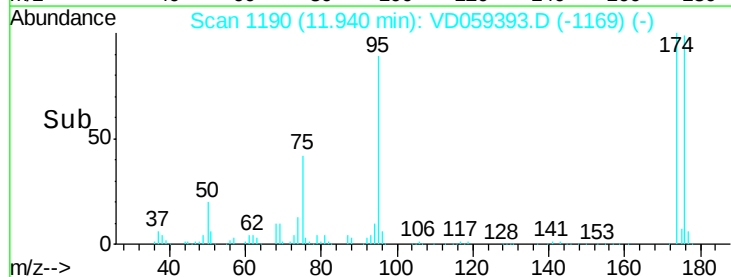
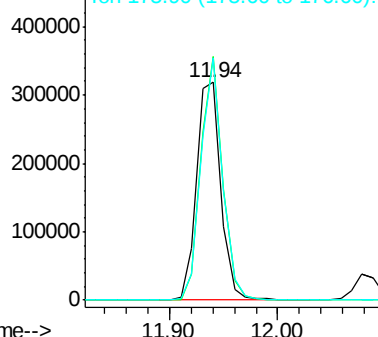
176 111.1 0.0 183.2

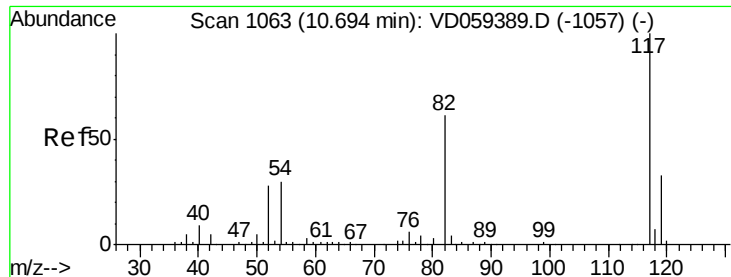


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

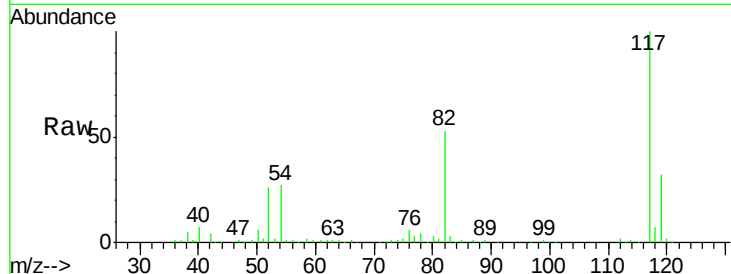




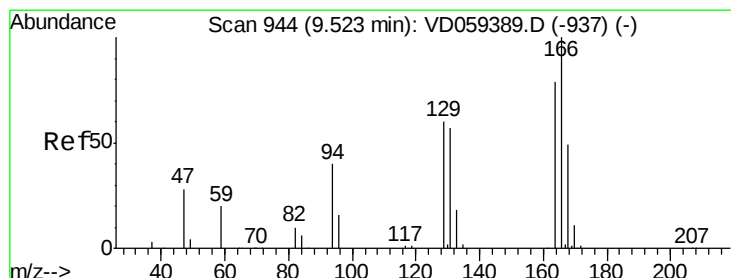
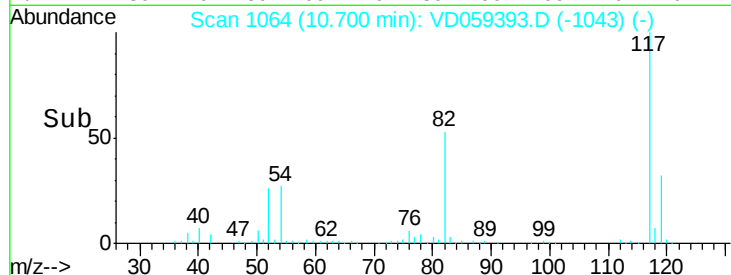
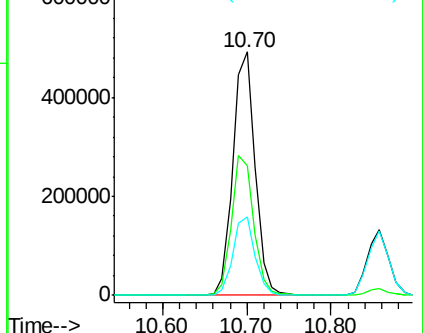
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:117 Resp: 904422
Ion Ratio Lower Upper
117 100
82 53.1 49.0 73.6
119 32.0 26.2 39.4

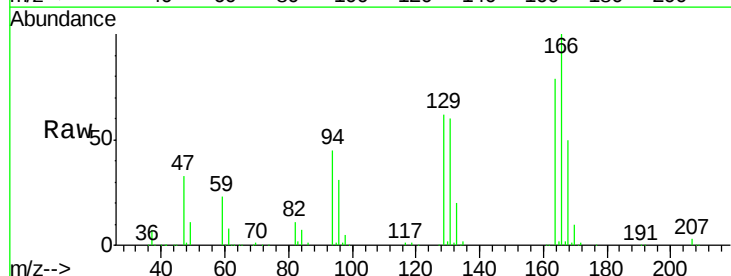


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

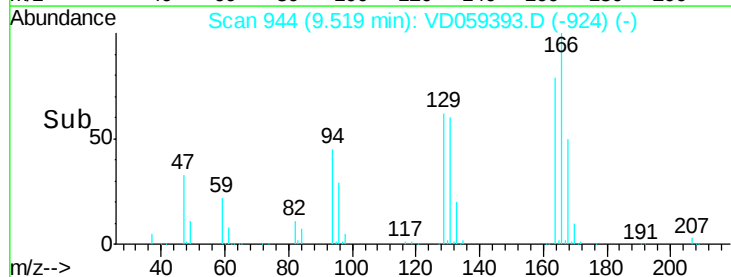
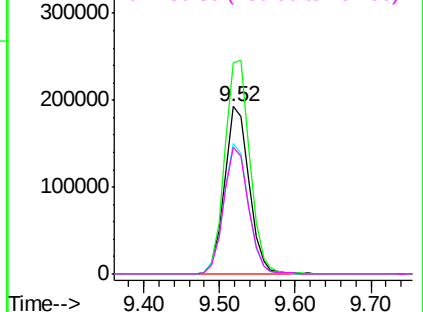


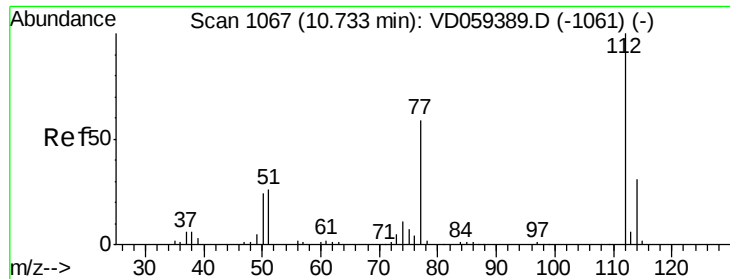
#64
Tetrachloroethene
Concen: 54.496 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:164 Resp: 432372
Ion Ratio Lower Upper
164 100
166 126.2 101.4 152.2
129 78.1 60.9 91.3
131 75.5 58.2 87.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 54.992 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

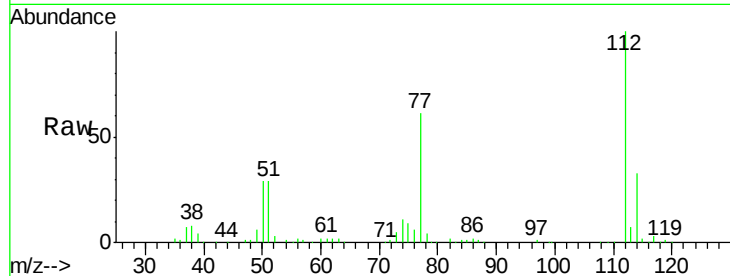
BFB

Tgt Ion:112 Resp: 909433

Ion Ratio Lower Upper

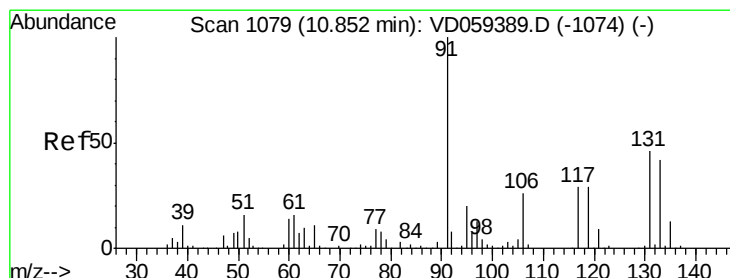
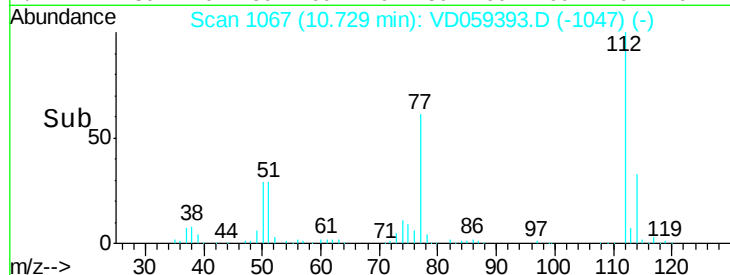
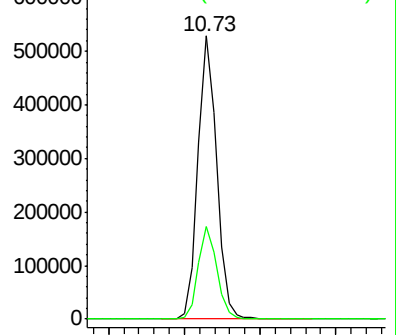
112 100

114 32.8 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.662 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

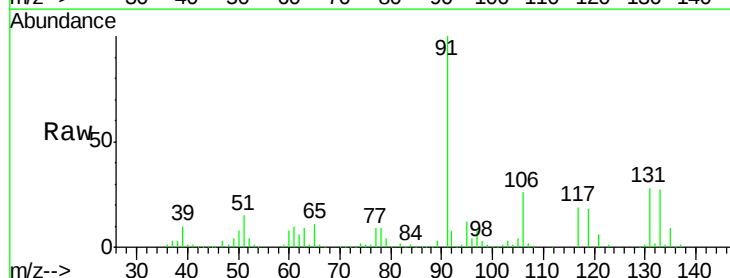
Tgt Ion:131 Resp: 359689

Ion Ratio Lower Upper

131 100

133 95.5 45.7 137.1

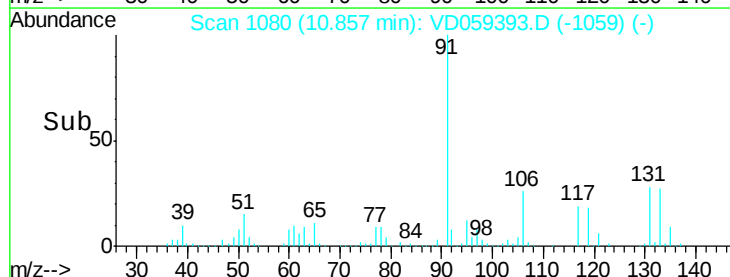
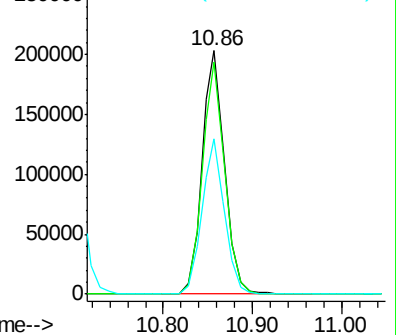
119 64.0 32.3 96.9

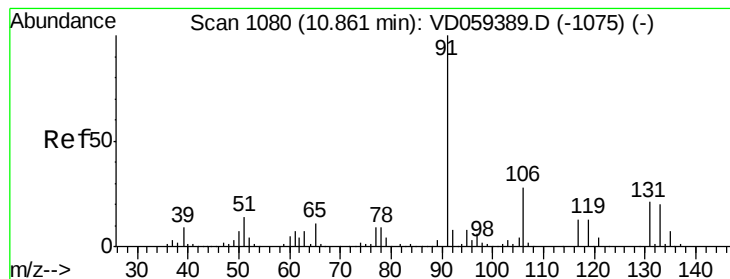


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 54.862 ug/l

RT: 10.87 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampled :

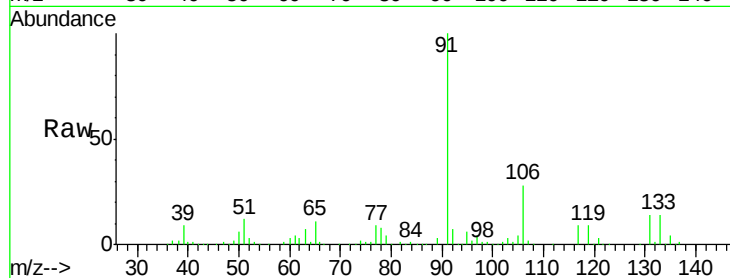
BFB

Tgt Ion: 91 Resp: 1530951

Ion Ratio Lower Upper

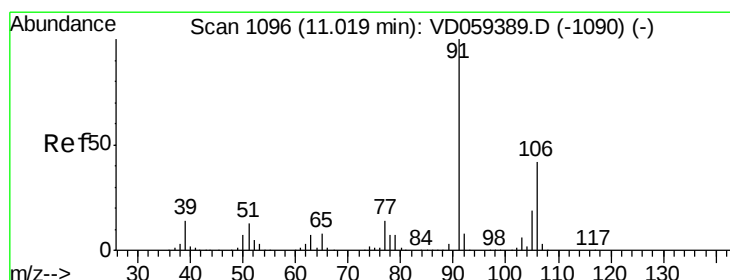
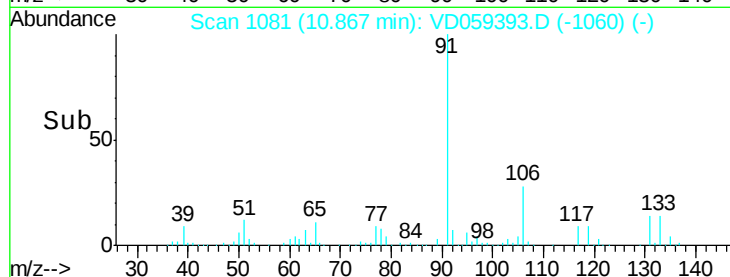
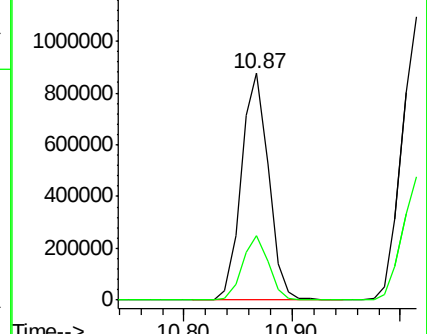
91 100

106 28.2 22.3 33.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 112.498 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD059393.D

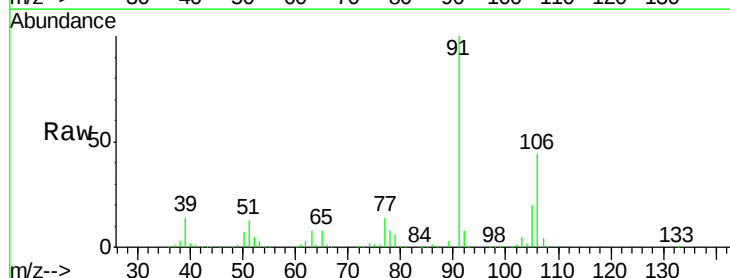
Acq: 25 Jun 2018 3:40

Tgt Ion:106 Resp: 1041563

Ion Ratio Lower Upper

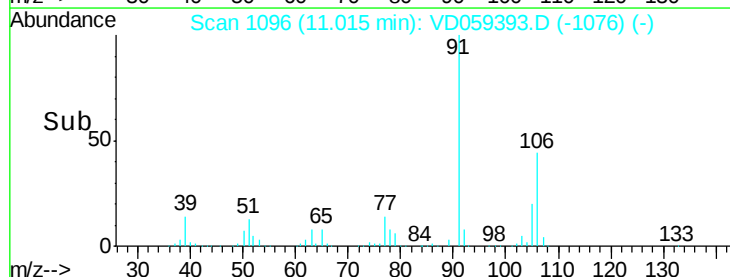
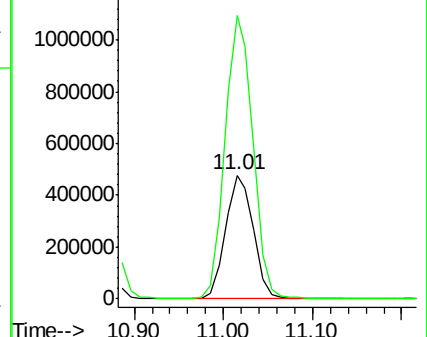
106 100

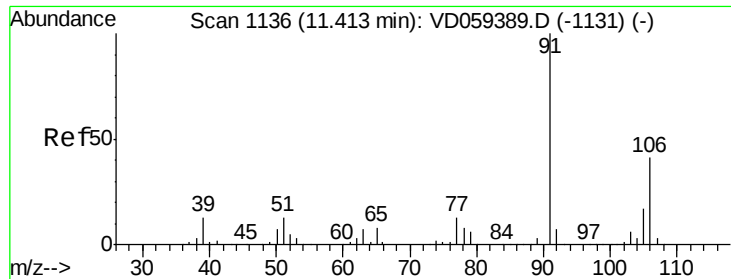
91 229.3 191.0 286.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

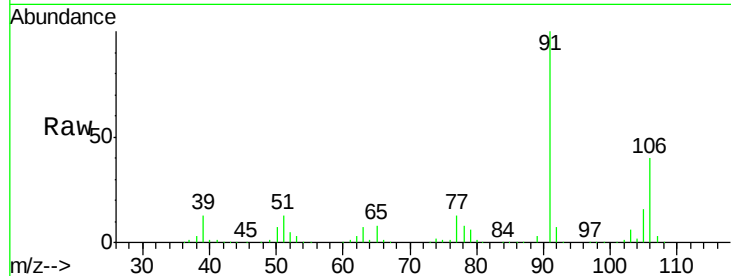




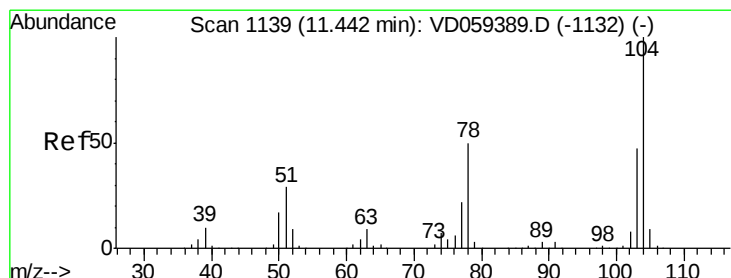
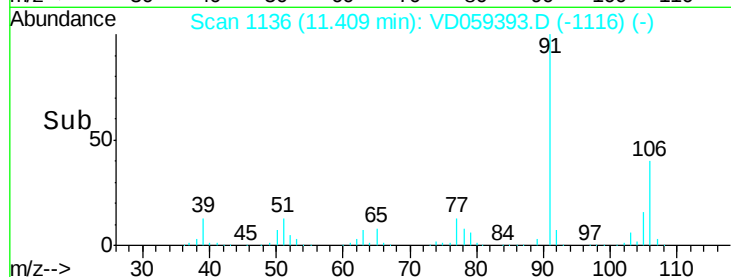
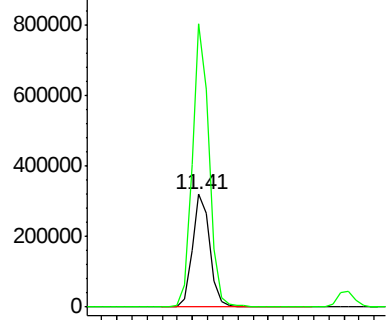
#69
o-Xylene
Concen: 56.527 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:106 Resp: 517412
Ion Ratio Lower Upper
106 100
91 250.3 121.0 362.8

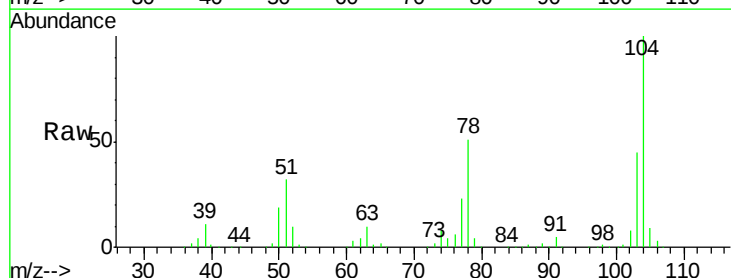


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

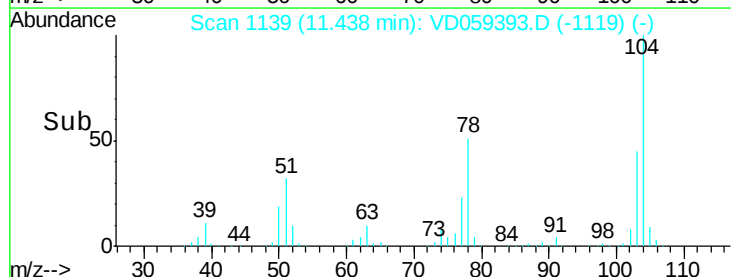
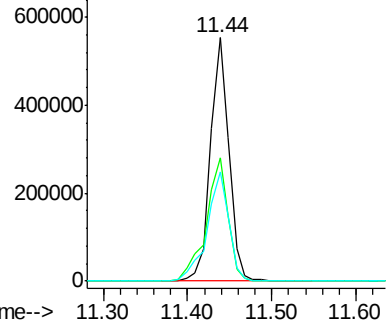


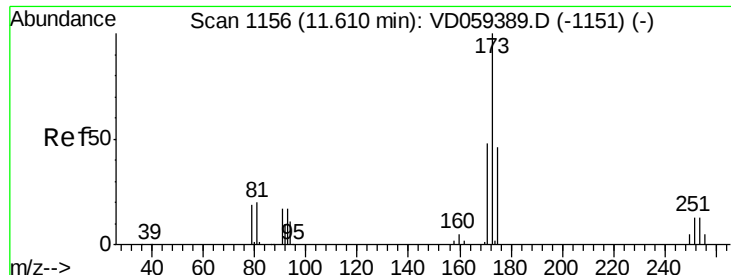
#70
Styrene
Concen: 53.885 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:104 Resp: 845474
Ion Ratio Lower Upper
104 100
78 50.8 40.2 60.4
103 45.0 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

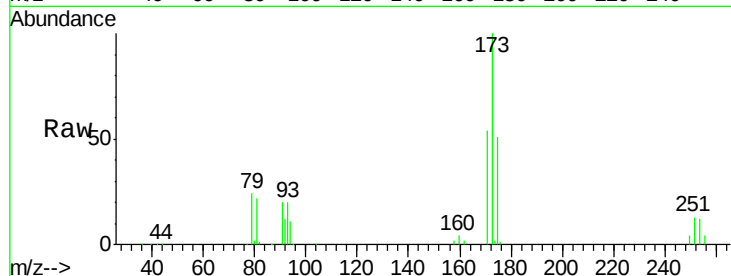




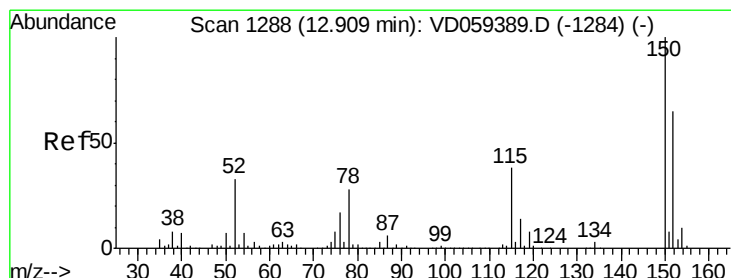
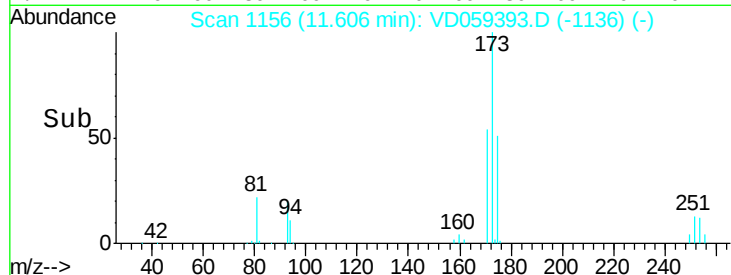
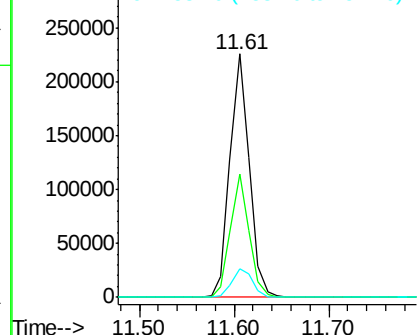
#71
Bromoform
Concen: 61.057 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:173 Resp: 321093
Ion Ratio Lower Upper
173 100
175 50.7 22.8 68.4
254 11.7 10.1 15.1

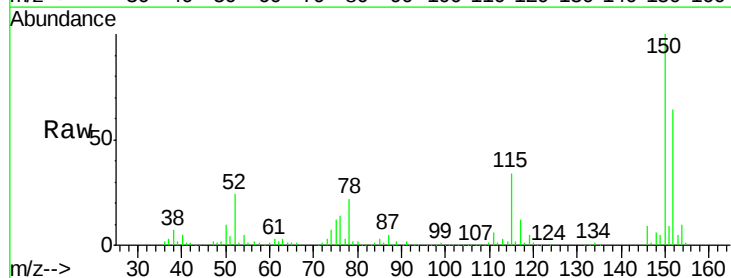


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

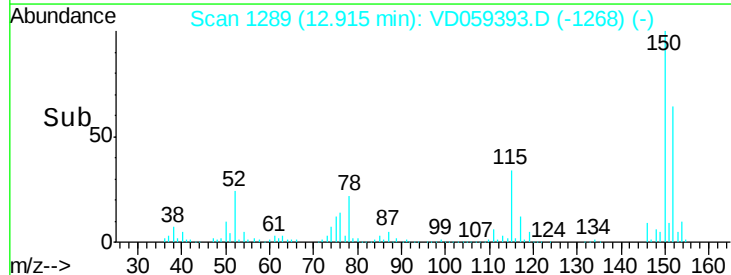
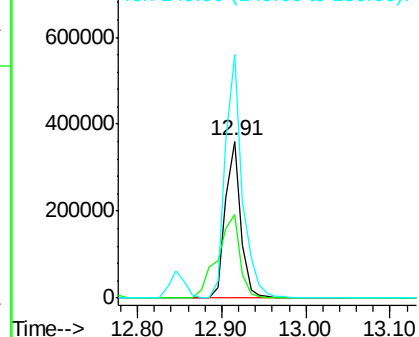


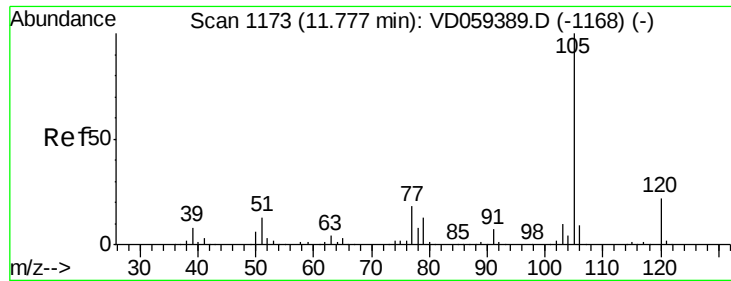
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion:152 Resp: 455460
Ion Ratio Lower Upper
152 100
115 53.1 29.4 88.3
150 155.5 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: 57.041 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampled :

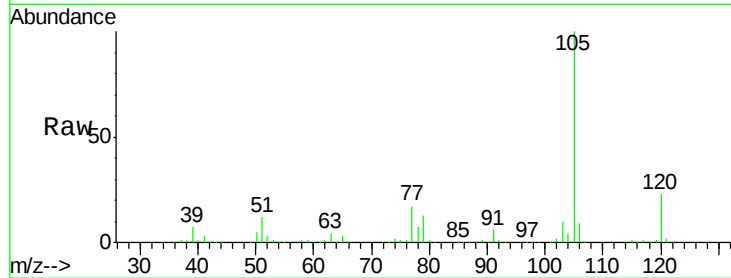
BFB

Tgt Ion:105 Resp: 1466098

Ion Ratio Lower Upper

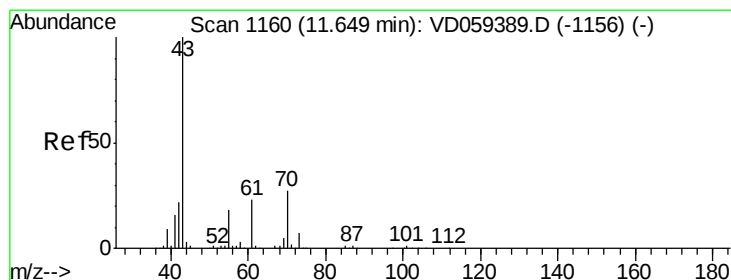
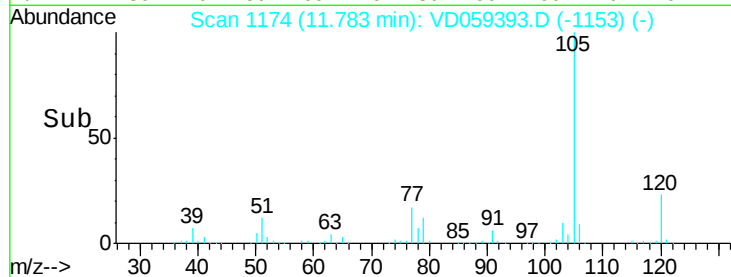
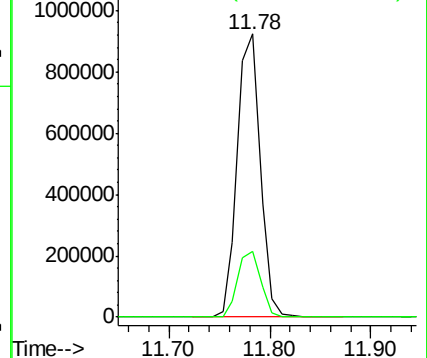
105 100

120 23.0 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-ethyl acetate

Concen: 60.193 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Tgt Ion: 43 Resp: 588622

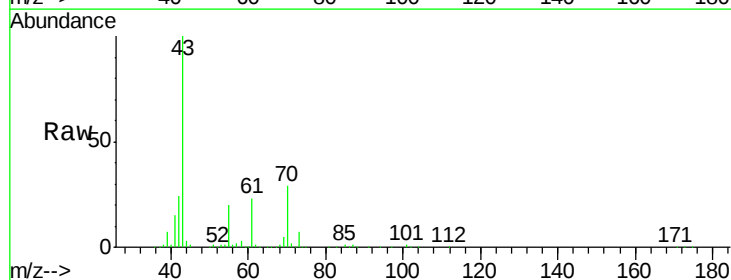
Ion Ratio Lower Upper

43 100

70 28.7 21.7 32.5

55 19.5 14.6 22.0

61 23.4 18.0 27.0

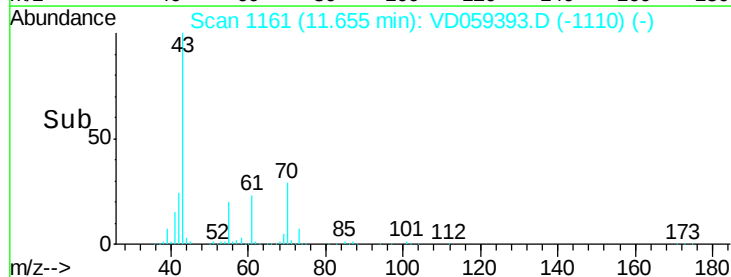
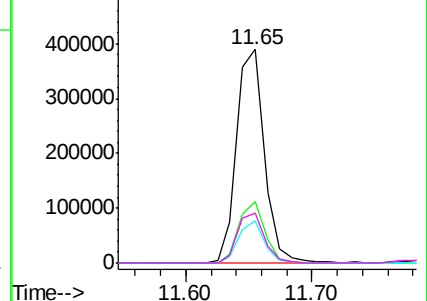


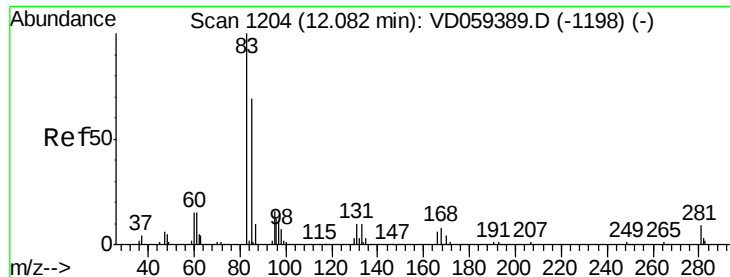
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 56.642 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

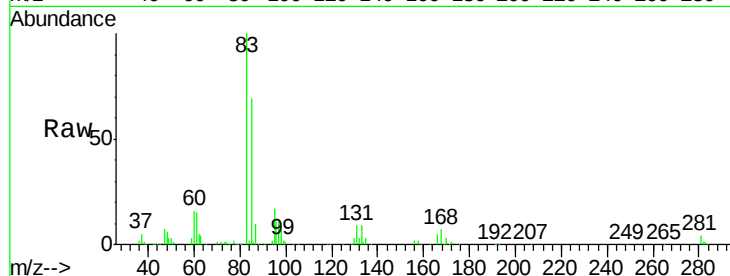
Tgt Ion: 83 Resp: 341546

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.6

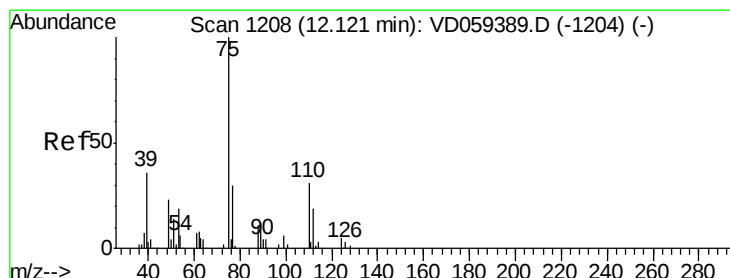
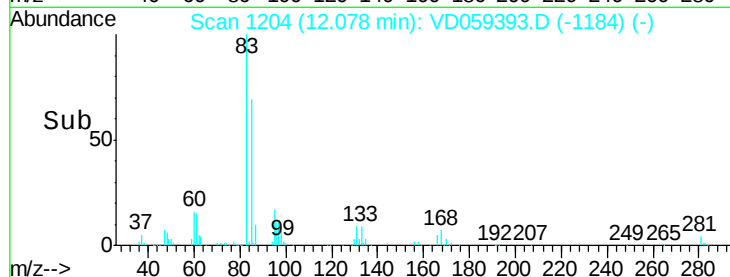
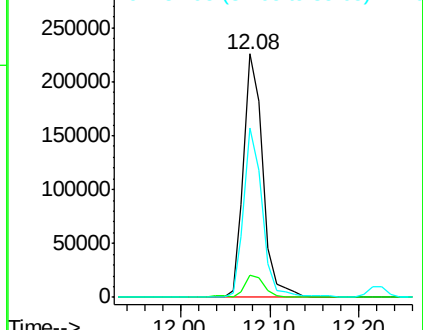
85 69.5 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.201 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059393.D

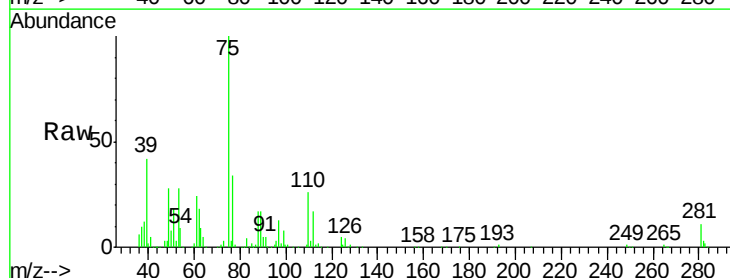
Acq: 25 Jun 2018 3:40

Tgt Ion: 75 Resp: 346791

Ion Ratio Lower Upper

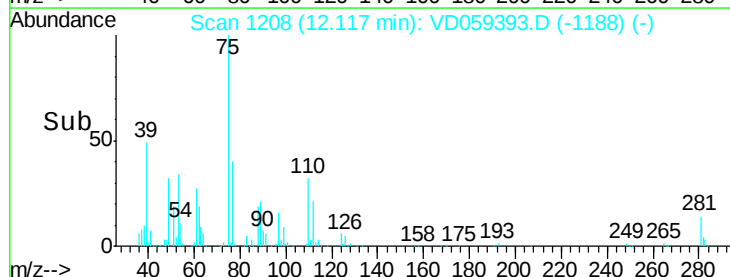
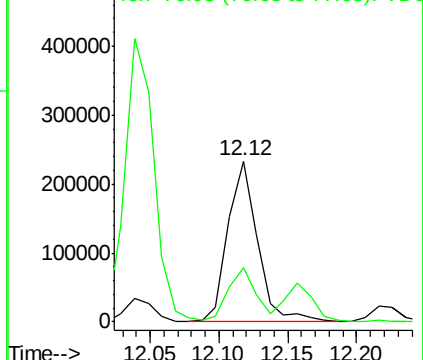
75 100

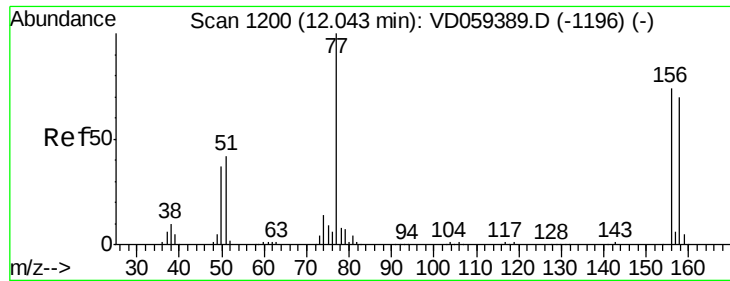
77 33.5 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.678 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampled :

BFB

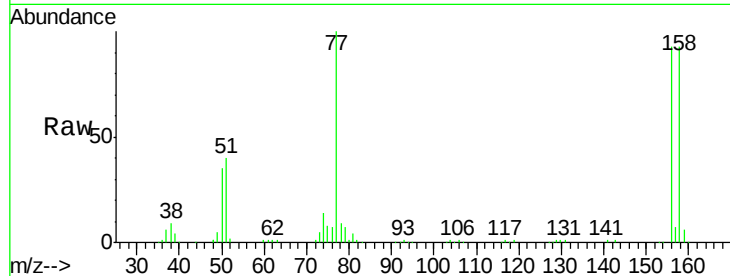
Tgt Ion:156 Resp: 466591

Ion Ratio Lower Upper

156 100

77 107.4 68.0 203.8

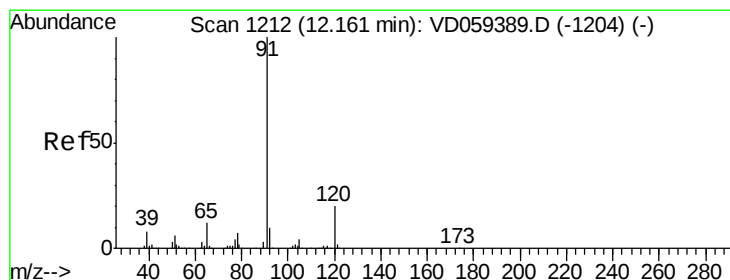
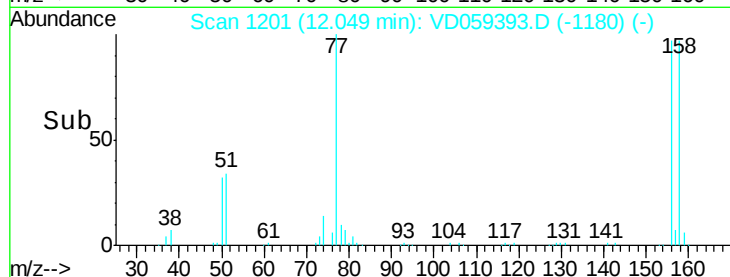
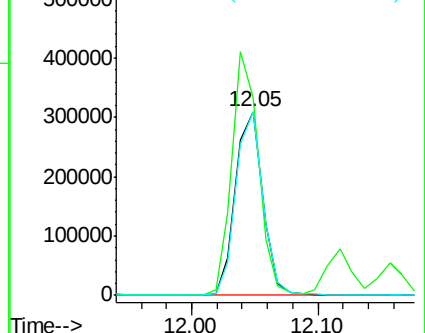
158 99.5 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 57.443 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059393.D

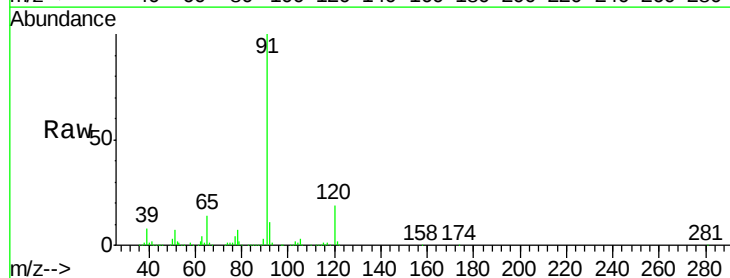
Acq: 25 Jun 2018 3:40

Tgt Ion: 91 Resp: 1869895

Ion Ratio Lower Upper

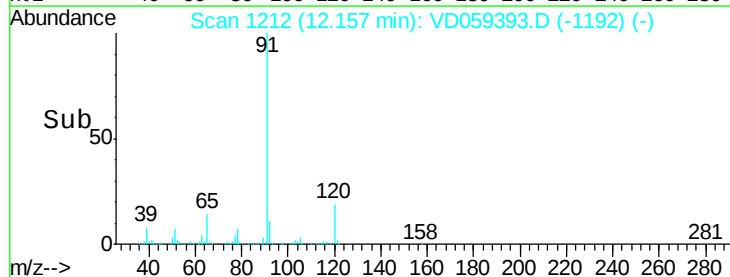
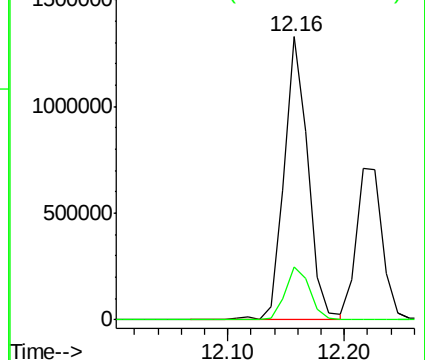
91 100

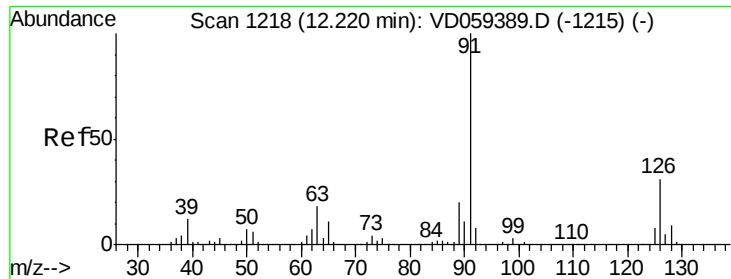
120 18.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

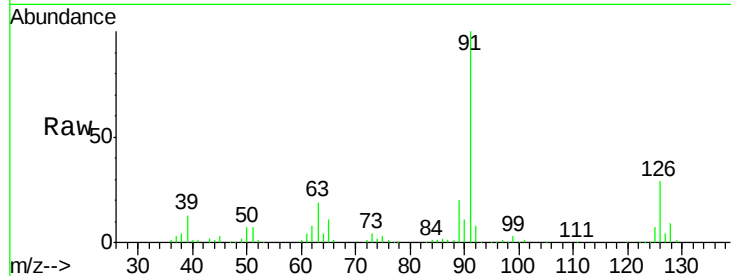




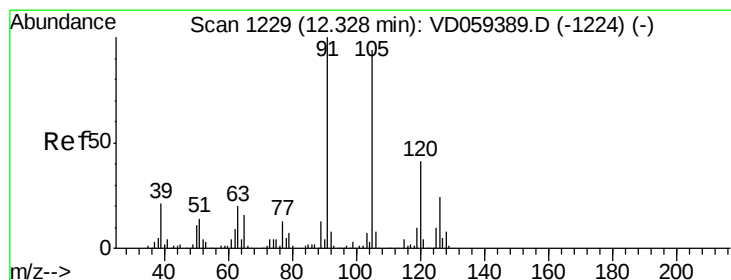
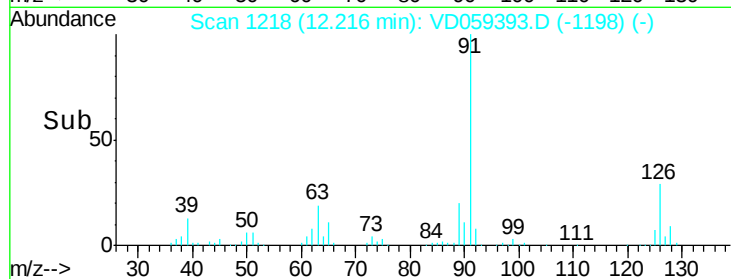
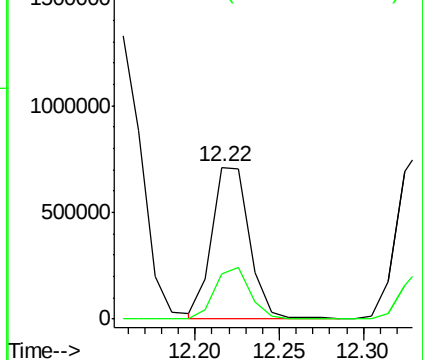
#79
 2-Chlorotoluene
 Concen: 57.607 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion: 91 Resp: 1101260
 Ion Ratio Lower Upper
 91 100
 126 29.4 15.2 45.5

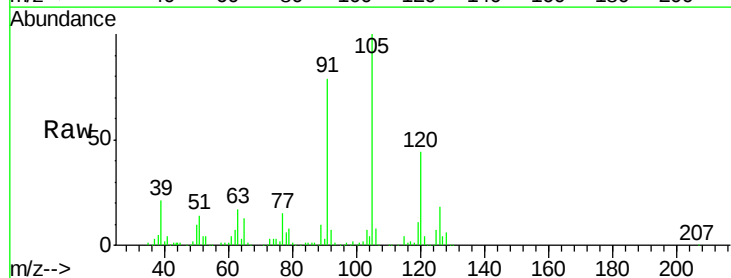


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

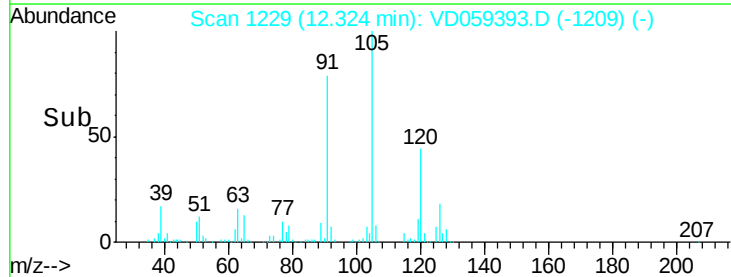
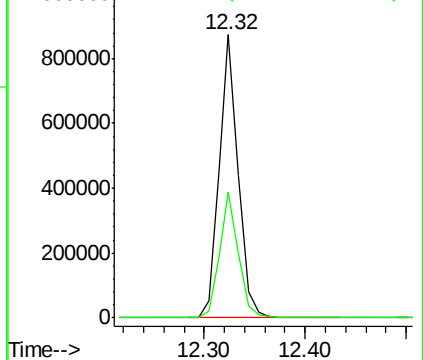


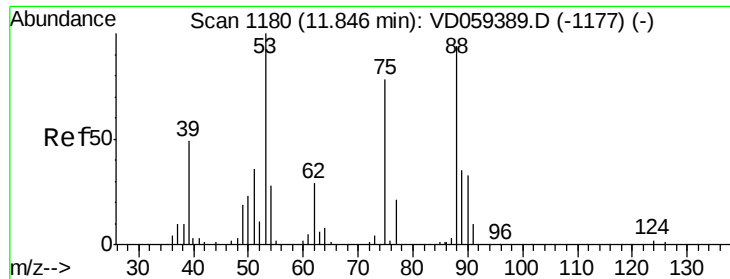
#80
 1,3,5-Trimethylbenzene
 Concen: 55.920 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion: 105 Resp: 1144205
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 61.420 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059393.D

Acq: 25 Jun 2018 3:40

Instrument :

MSVOA_D

ClientSampleId :

BFB

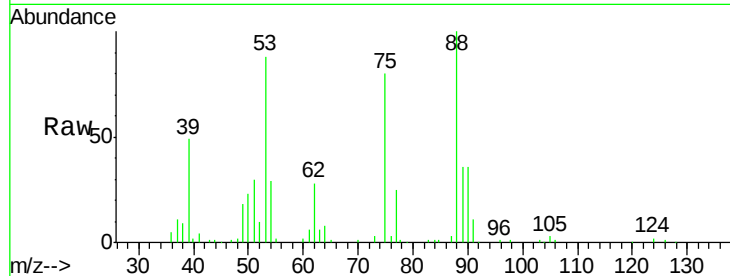
Tgt Ion: 75 Resp: 87703

Ion Ratio Lower Upper

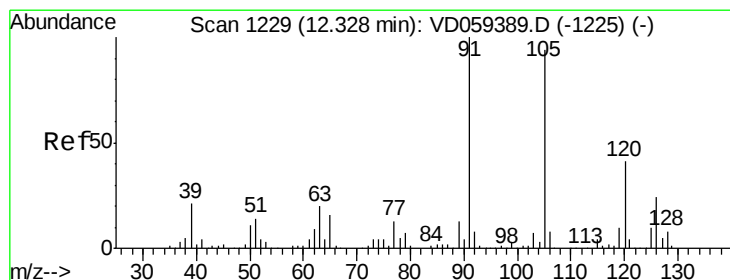
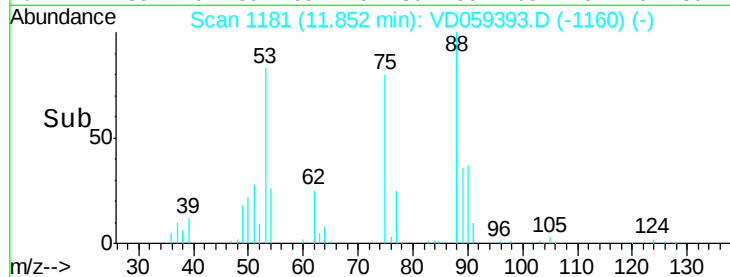
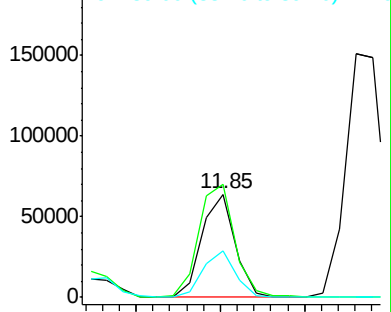
75 100

53 109.2 102.6 154.0

89 44.9 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.749 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059393.D

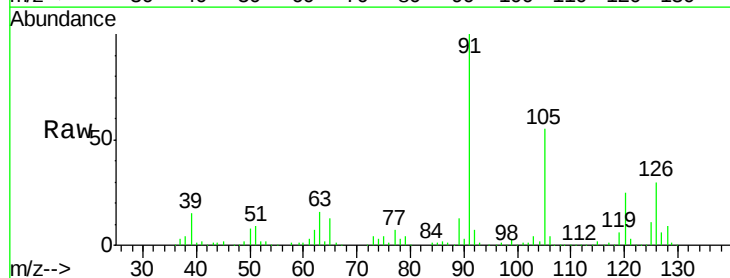
Acq: 25 Jun 2018 3:40

Tgt Ion: 91 Resp: 1186807

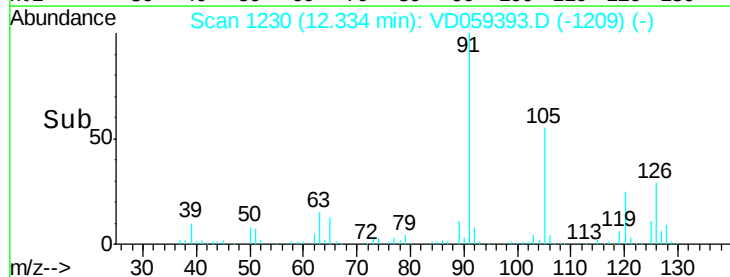
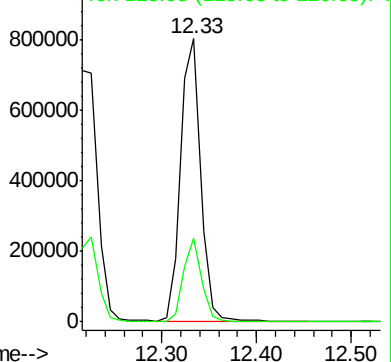
Ion Ratio Lower Upper

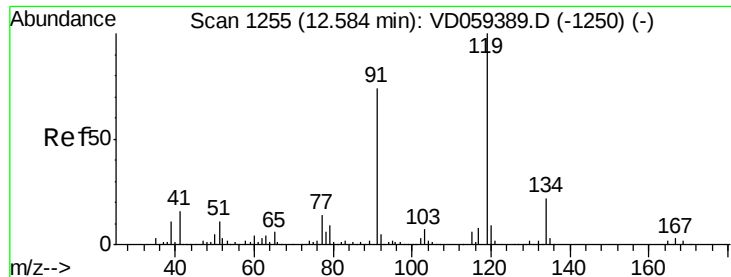
91 100

126 29.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

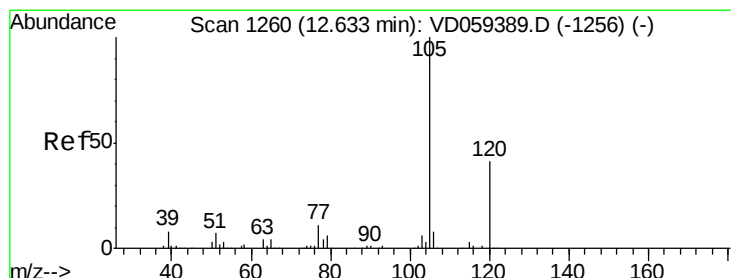
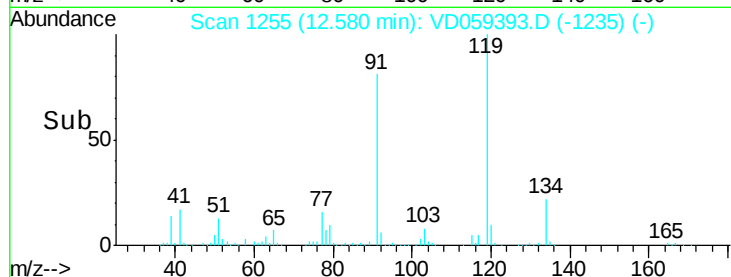
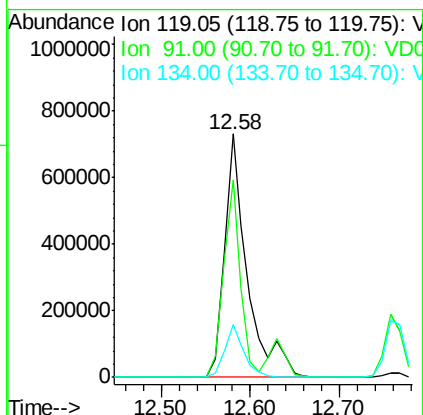
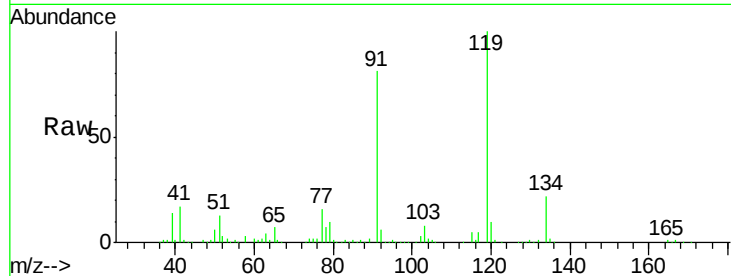




#83
 tert-Butylbenzene
 Concen: 60.324 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

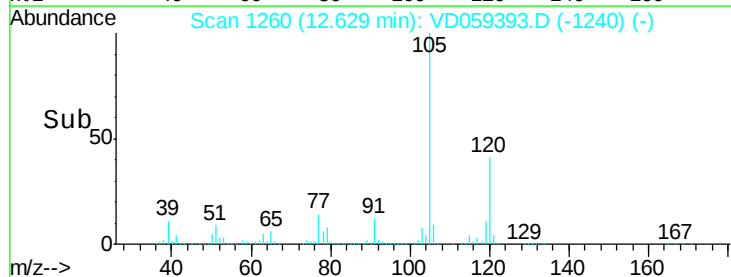
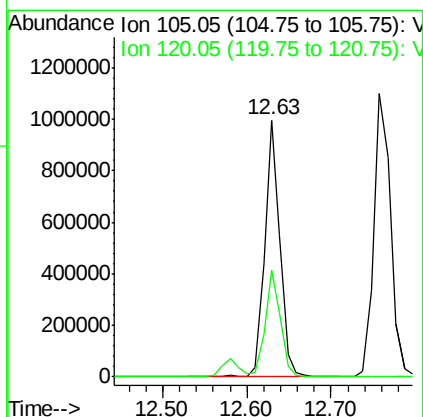
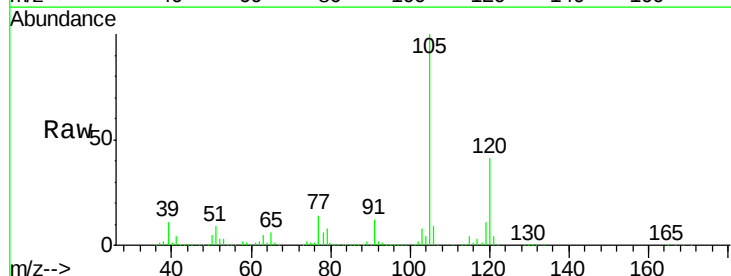
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

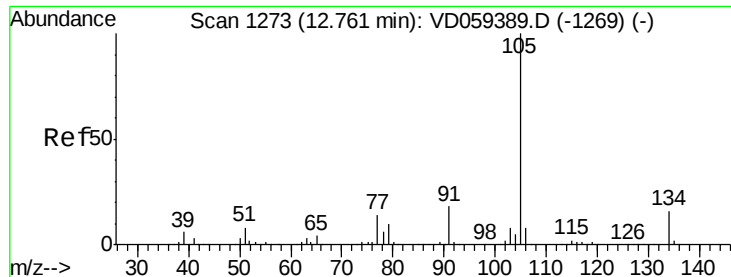
Tgt Ion:119 Resp: 1312967
 Ion Ratio Lower Upper
 119 100
 91 81.4 36.9 110.7
 134 21.7 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 58.869 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:105 Resp: 1274756
 Ion Ratio Lower Upper
 105 100
 120 41.4 21.5 64.5

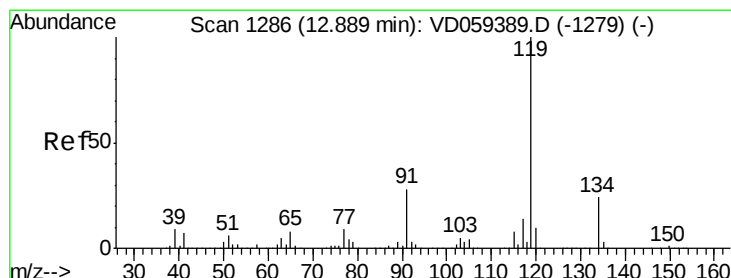
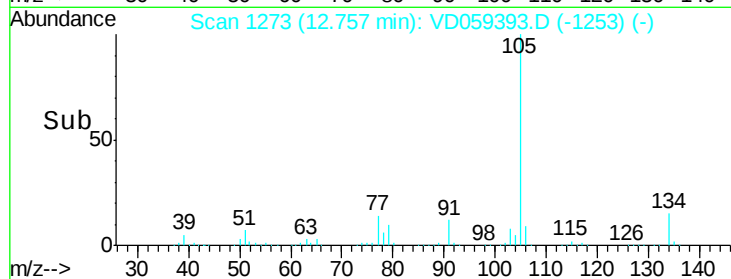
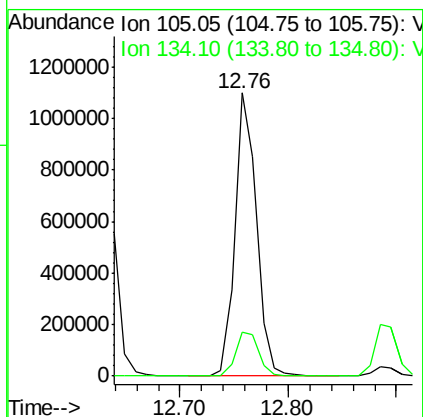
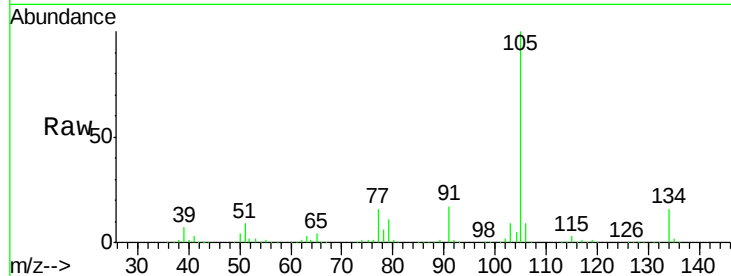




#85
 sec-Butylbenzene
 Concen: 56.566 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

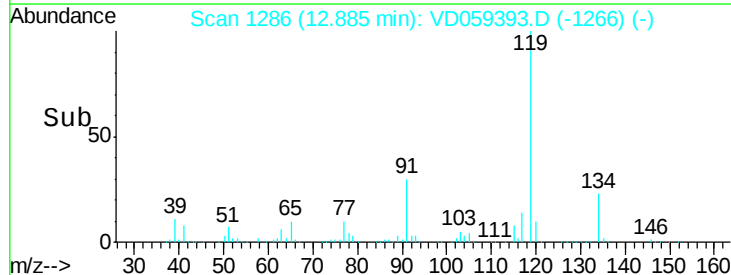
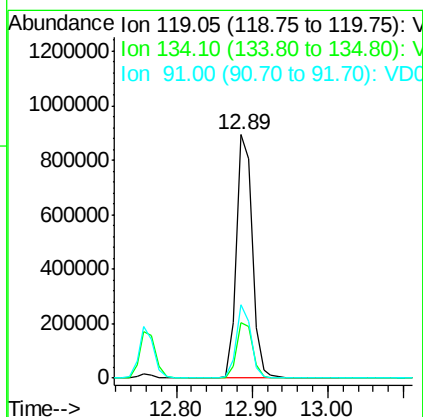
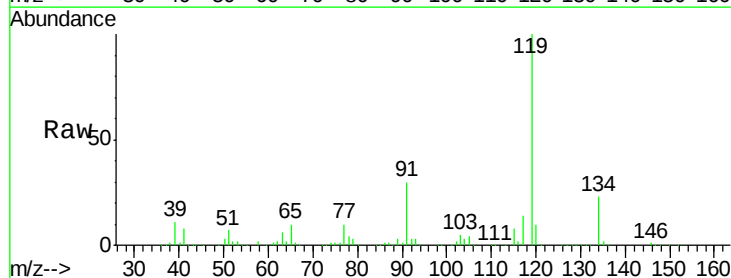
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion:105 Resp: 1510769
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 59.186 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:119 Resp: 1274098
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.9 35.5
 91 30.4 14.1 42.4

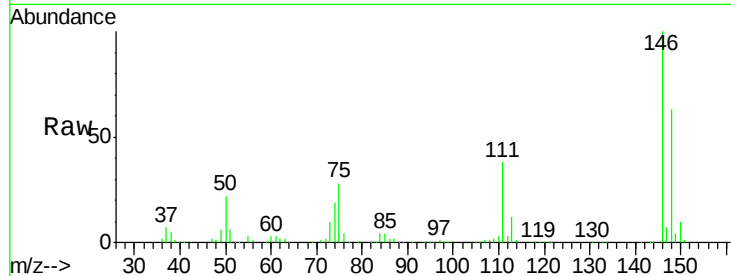




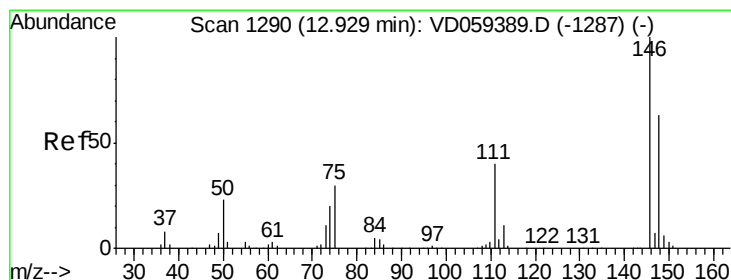
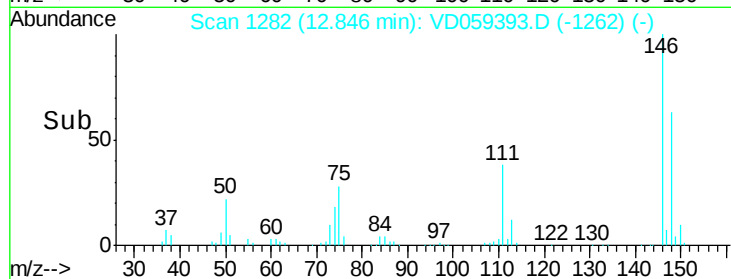
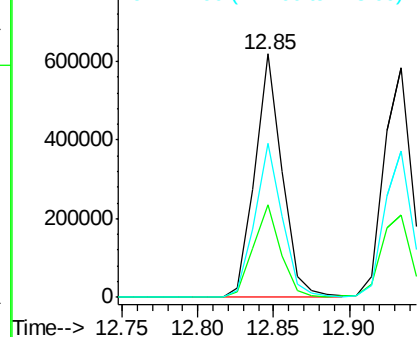
#87
 1,3-Dichlorobenzene
 Concen: 58.535 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion:146 Resp: 779012
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.6 52.8
 148 63.3 32.4 97.2

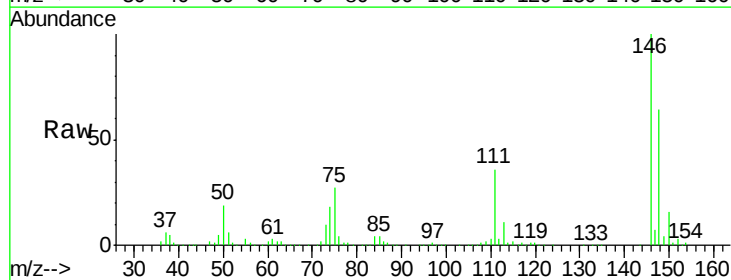


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

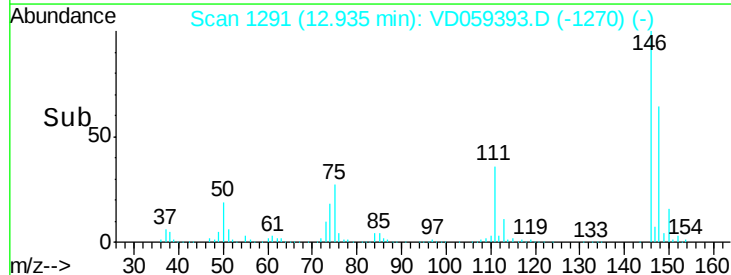
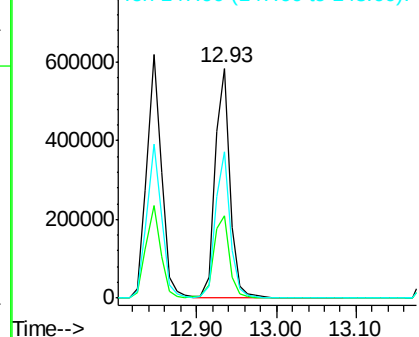


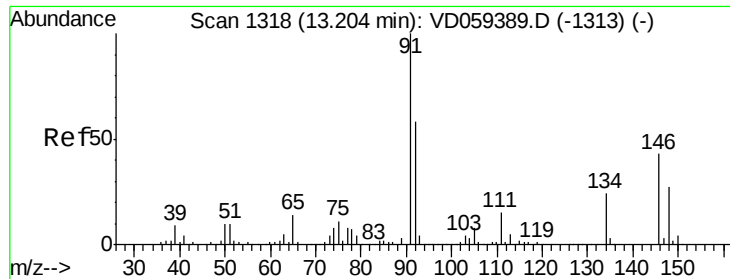
#88
 1,4-Dichlorobenzene
 Concen: 58.648 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059393.D
 Acq: 25 Jun 2018 3:40

Tgt Ion:146 Resp: 770234
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.1 60.2
 148 63.6 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

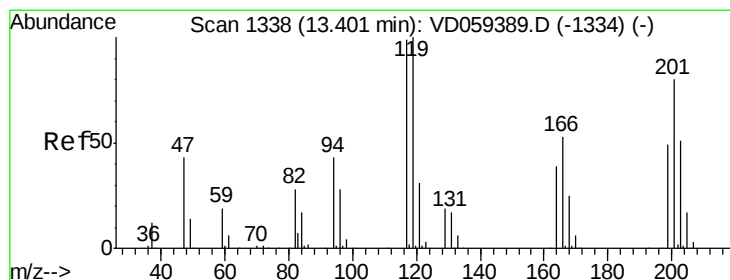
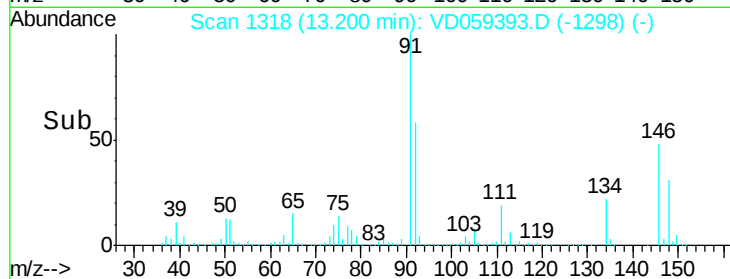
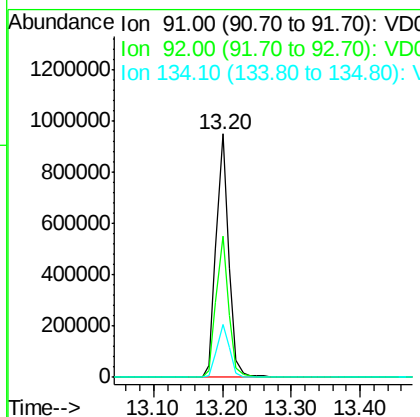
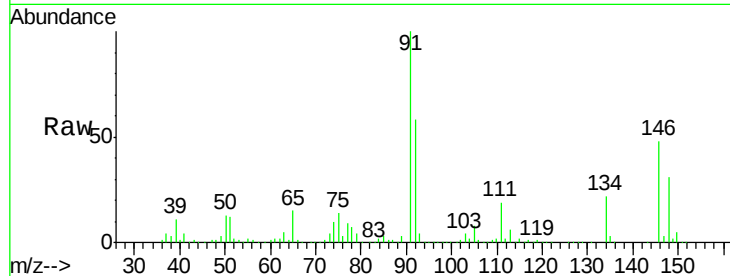




#89
n-Butylbenzene
Concen: 56.664 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 1204070
Ion Ratio Lower Upper
91 100
92 58.0 28.8 86.5
134 21.6 11.9 35.7



#90
Hexachloroethane
Concen: 62.760 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059393.D
Acq: 25 Jun 2018 3:40

Tgt Ion: 117 Resp: 337069
Ion Ratio Lower Upper
117 100
201 104.2 40.1 120.3

