

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059390.D
 Acq On : 25 Jun 2018 1:46
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 25 06:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	905229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1214601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	945721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	491760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	650500	71.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.86%	
35) Dibromofluoromethane	5.56	113	678907	68.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.94%	
50) Toluene-d8	8.72	98	1544228	65.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.56%	
62) 4-Bromofluorobenzene	11.94	95	647216	66.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	508496	56.29	ug/l	99
3) Chloromethane	1.49	50	259230	58.10	ug/l #	77
4) Vinyl Chloride	1.56	62	297917	63.76	ug/l	94
5) Bromomethane	1.80	94	108549	62.79	ug/l	97
6) Chloroethane	1.89	64	122953	70.15	ug/l	96
7) Trichlorofluoromethane	2.08	101	430786	65.89	ug/l	95
8) Diethyl Ether	2.35	74	101753	74.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	266870	64.98	ug/l	94
10) Methyl Iodide	2.69	142	360718	76.64	ug/l	99
11) Tert butyl alcohol	3.27	59	120845	392.56	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	202927	66.06	ug/l	100
13) Acrolein	2.48	56	94445	479.69	ug/l	85
14) Allyl chloride	2.93	41	469357	66.16	ug/l	97
15) Acrylonitrile	3.36	53	333569	405.86	ug/l	98
16) Acetone	2.62	43	373815	308.00	ug/l	94
17) Carbon Disulfide	2.76	76	616001	59.52	ug/l	97
18) Methyl Acetate	2.94	43	177657	66.65	ug/l #	91
19) Methyl tert-butyl Ether	3.41	73	1023295	111.07	ug/l	99
20) Methylene Chloride	3.08	84	219715	57.07	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	369801	99.19	ug/l	93
22) Diisopropyl ether	4.08	45	1720712	61.20	ug/l	99
23) Vinyl Acetate	4.03	43	4599606	308.28	ug/l	100
24) 1,1-Dichloroethane	3.98	63	979354	64.25	ug/l	98
25) 2-Butanone	4.85	43	836841	317.39	ug/l	99
26) 2,2-Dichloropropane	4.81	77	772245	60.88	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	558071	66.14	ug/l	98
28) Bromochloromethane	5.16	49	434723	63.81	ug/l	91
29) Tetrahydrofuran	5.19	42	427426	304.47	ug/l	95
30) Chloroform	5.33	83	1070828	66.14	ug/l	94
31) Cyclohexane	5.60	56	660507	51.23	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	882779	65.93	ug/l	97
36) 1,1-Dichloropropene	5.76	75	685457	57.96	ug/l	99
37) Ethyl Acetate	4.94	43	401103	60.14	ug/l	98
38) Carbon Tetrachloride	5.74	117	761315	64.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	676278	59.00	ug/l	97
40) Benzene	6.02	78	1625562	57.46	ug/l	99
41) Methacrylonitrile	5.14	41	213002	64.50	ug/l	92
42) 1,2-Dichloroethane	6.14	62	756165	65.83	ug/l	95
43) Isopropyl Acetate	7.63	43	582476	66.01	ug/l #	96
44) Trichloroethene	6.99	130	548643	64.25	ug/l	96
45) 1,2-Dichloropropane	7.36	63	484265	64.18	ug/l	95
46) Dibromomethane	7.47	93	346197	66.59	ug/l	89
47) Bromodichloromethane	7.75	83	790449	65.77	ug/l	95
48) Methyl methacrylate	7.51	41	338515	63.00	ug/l	98
49) 1,4-Dioxane	7.50	88	68564	1411.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.61	43	1775808	306.76	ug/l	99
52) Toluene	8.81	92	978719	60.58	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	697976	67.91	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	753487	63.01	ug/l	100
55) 1,1,2-Trichloroethane	9.47	97	372354	65.08	ug/l	92
56) Ethyl methacrylate	9.32	69	430164	63.79	ug/l	99
57) 1,3-Dichloropropane	9.67	76	604852	62.72	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.20	63	1021245	305.33	ug/l	99
59) 2-Hexanone	9.79	43	1315032	312.52	ug/l	97
60) Dibromochloromethane	9.97	129	555704	71.41	ug/l	97
61) 1,2-Dibromoethane	10.11	107	418769	67.31	ug/l	97
64) Tetrachloroethene	9.53	164	565875	71.16	ug/l	99
65) Chlorobenzene	10.73	112	1125830	64.02	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.86	131	456891	66.73	ug/l	97
67) Ethyl Benzene	10.86	91	1855757	59.68	ug/l	98
68) m/p-Xylenes	11.02	106	1269742	122.94	ug/l	96
69) o-Xylene	11.42	106	624724	62.57	ug/l	99
70) Styrene	11.44	104	1045218	61.48	ug/l	96
71) Bromoform	11.60	173	424652	78.64	ug/l	98
73) Isopropylbenzene	11.78	105	1810579	62.08	ug/l	99
74) N-amyl acetate	11.65	43	716846	65.14	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	437917	65.43	ug/l	96
76) 1,2,3-Trichloropropane	12.12	75	460396	65.57	ug/l	100
77) Bromobenzene	12.05	156	602995	68.76	ug/l	90
78) n-propylbenzene	12.15	91	2402948	64.22	ug/l	97
79) 2-Chlorotoluene	12.22	91	1361340	63.39	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1463628	64.67	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	115133	68.61	ug/l	83
82) 4-Chlorotoluene	12.33	91	1494158	61.99	ug/l	94
83) tert-Butylbenzene	12.58	119	1633011	63.03	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	1579154	64.03	ug/l	95
85) sec-Butylbenzene	12.76	105	1942086	63.73	ug/l	96
86) p-Isopropyltoluene	12.89	119	1582580	63.92	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	971478	64.29	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	932879	63.23	ug/l	97
89) n-Butylbenzene	13.20	91	1502691	58.54	ug/l	98
90) Hexachloroethane	13.40	117	443212	69.51	ug/l	85
91) 1,2-Dichlorobenzene	13.20	146	789780	61.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	76574	71.52	ug/l	70

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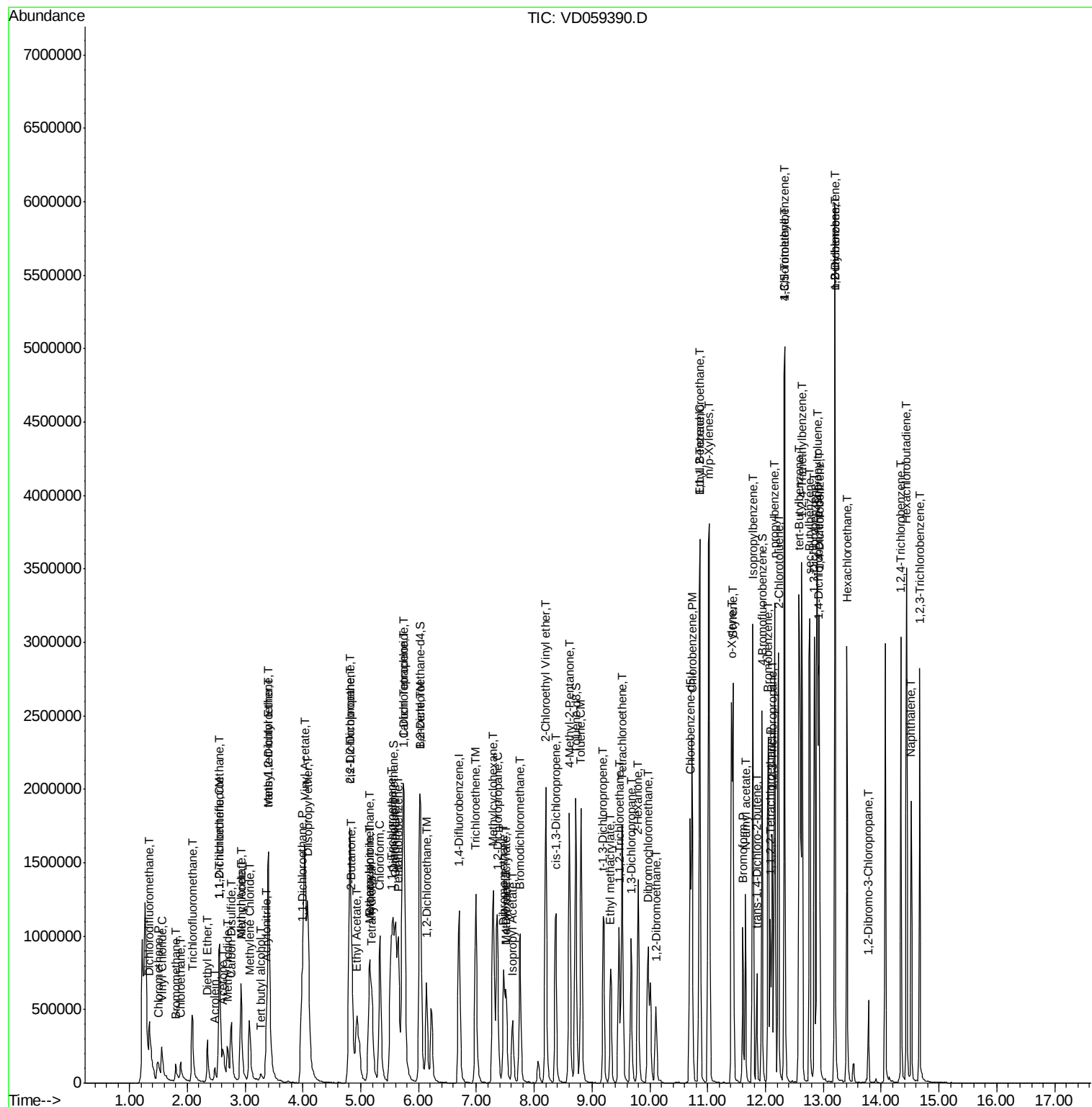
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	784480	64.68	ug/l	95
94) Hexachlorobutadiene	14.44	225	594525	62.07	ug/l	98
95) Naphthalene	14.52	128	1040766	65.26	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	699823	65.38	ug/l	95

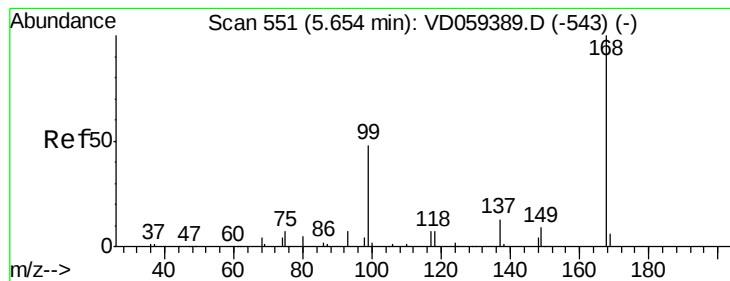
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

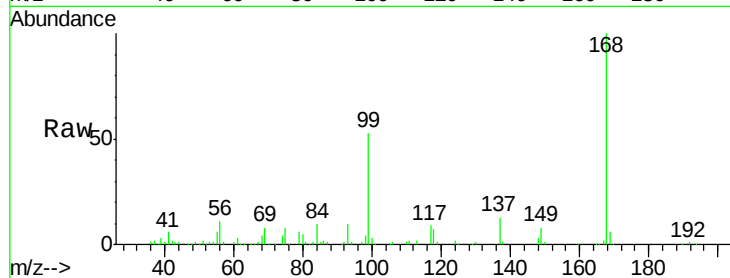
VSTDIC075

Tot Ion:168 Resp: 905229

Ion Ratio Lower Upper

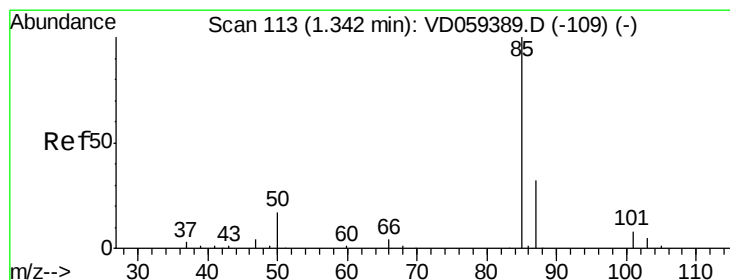
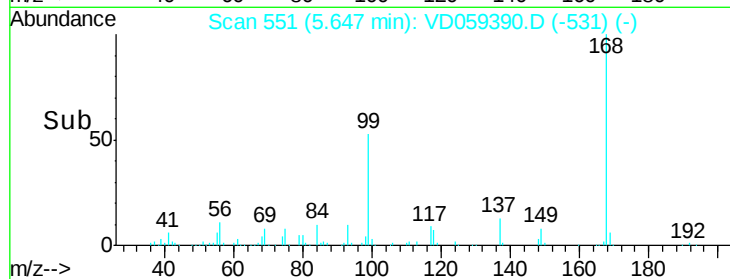
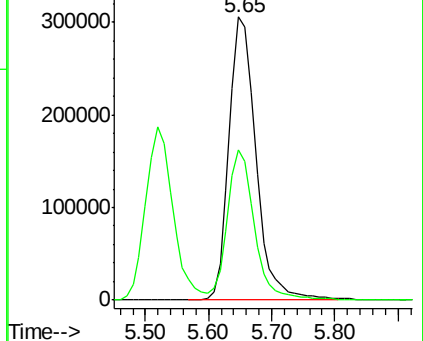
168 100

99 53.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 56.29 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059390.D

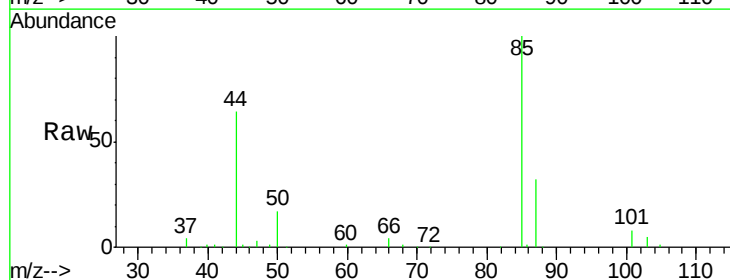
Acq: 25 Jun 2018 1:46

Tgt Ion: 85 Resp: 508496

Ion Ratio Lower Upper

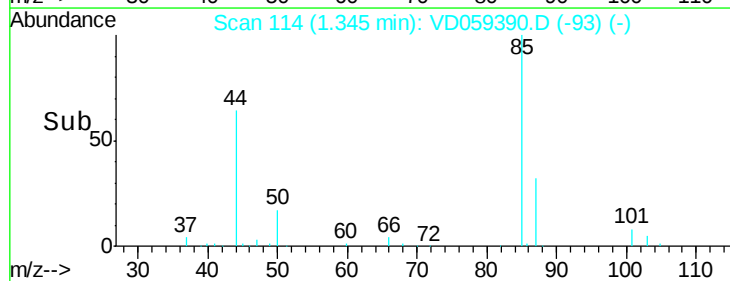
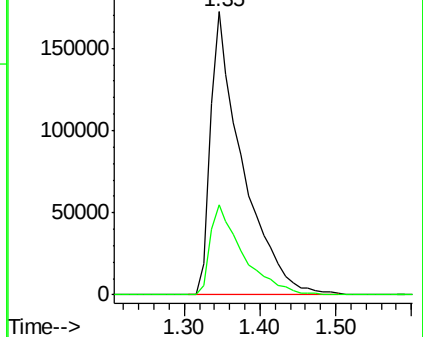
85 100

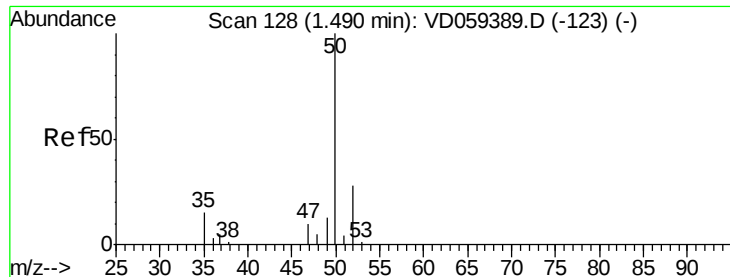
87 31.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 58.10 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

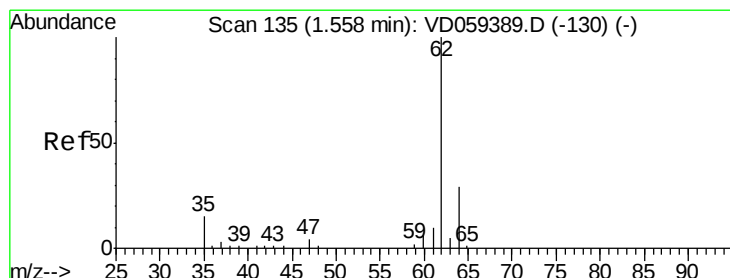
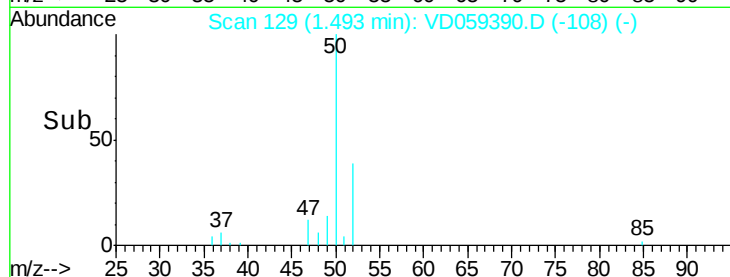
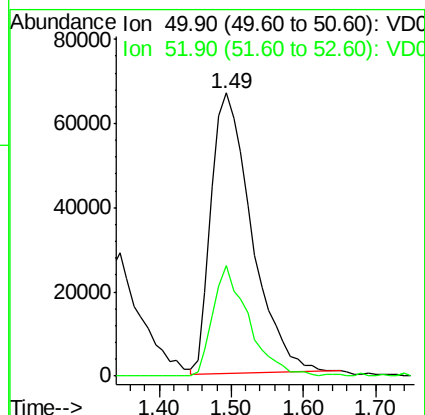
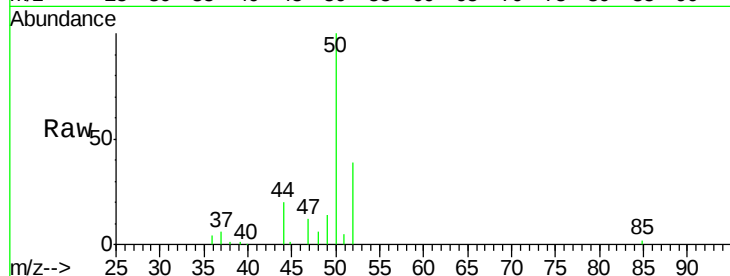
VSTDIC075

Tot Ion: 50 Resp: 259230

Ion Ratio Lower Upper

50 100

52 39.1 21.8 32.8#



#4

Vinyl Chloride

Concen: 63.76 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059390.D

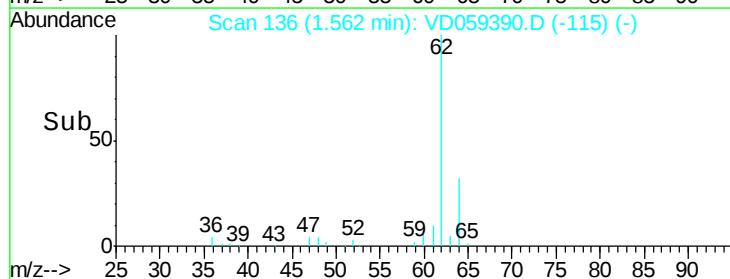
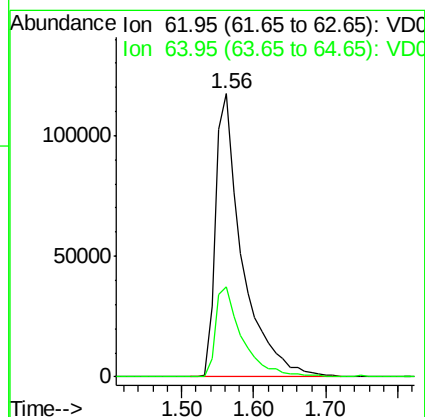
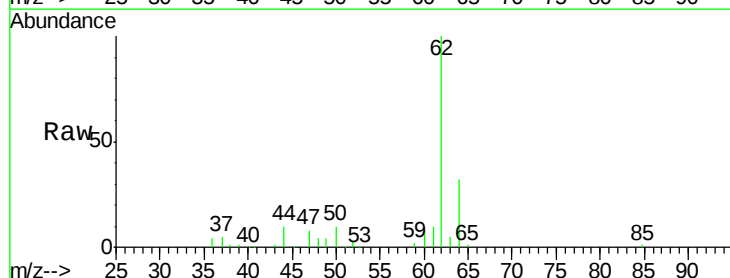
Acq: 25 Jun 2018 1:46

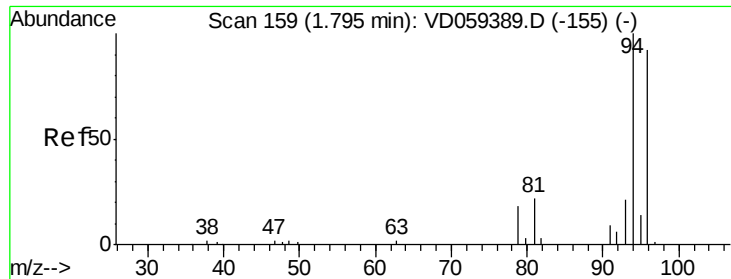
Tgt Ion: 62 Resp: 297917

Ion Ratio Lower Upper

62 100

64 31.8 23.0 34.6

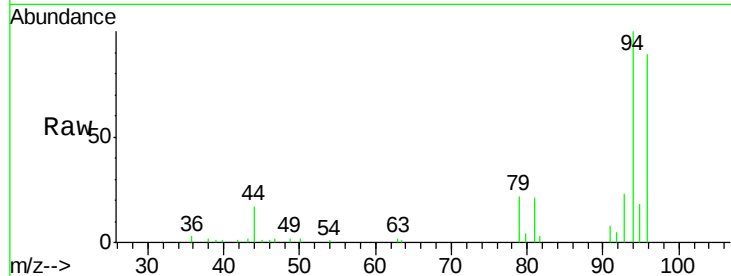




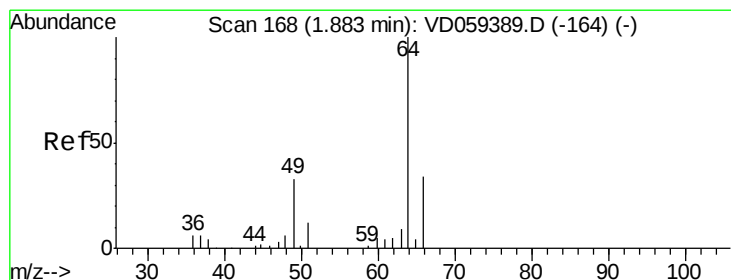
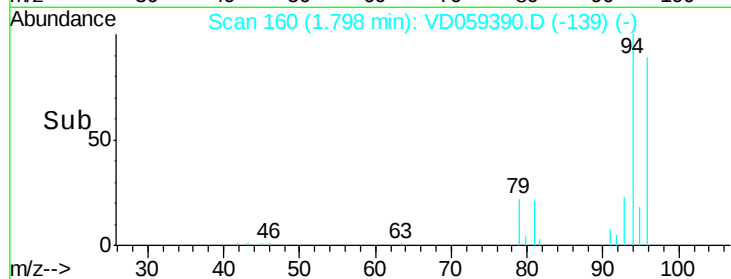
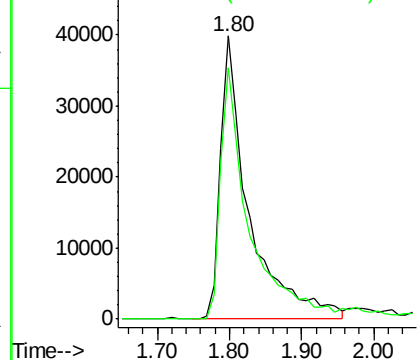
#5
Bromomethane
Concen: 62.79 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion: 94 Resp: 108549
Ion Ratio Lower Upper
94 100
96 88.7 73.4 110.0

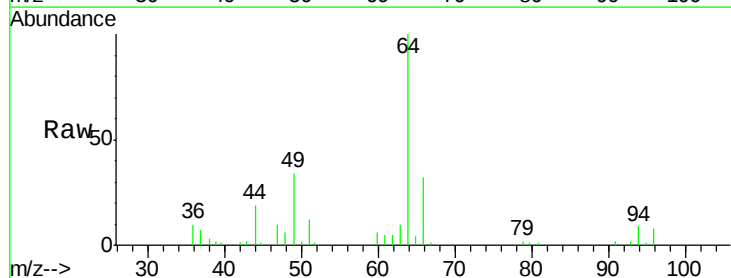


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

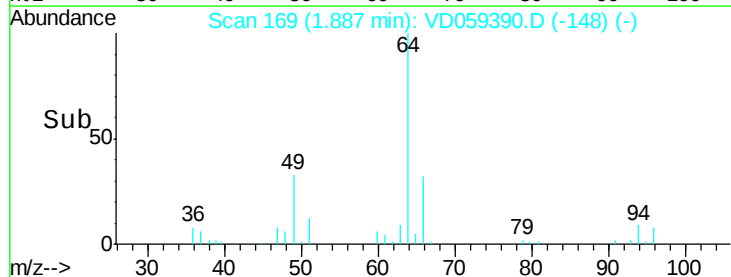
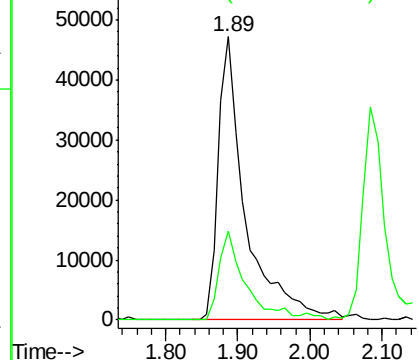


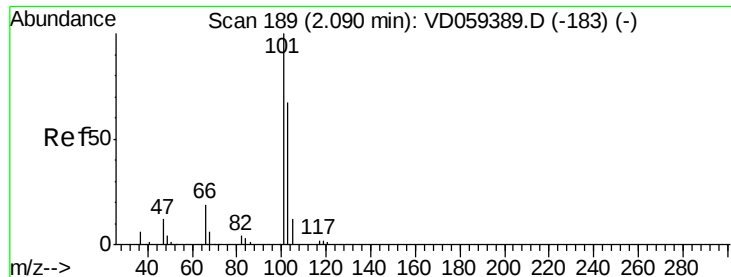
#6
Chloroethane
Concen: 70.15 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 64 Resp: 122953
Ion Ratio Lower Upper
64 100
66 31.6 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



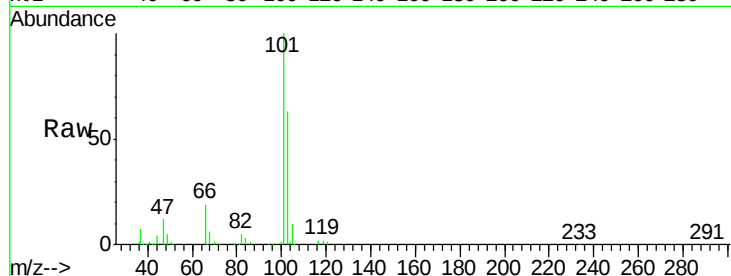


#7

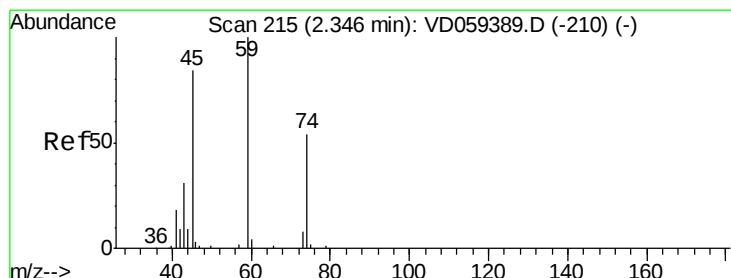
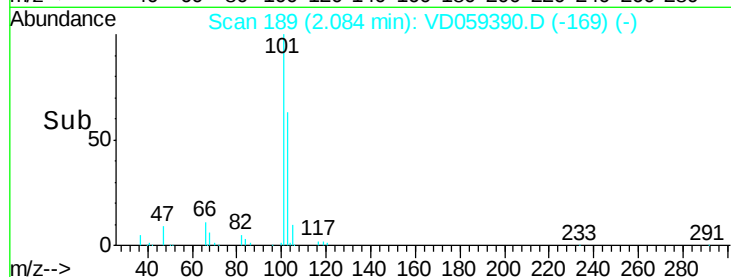
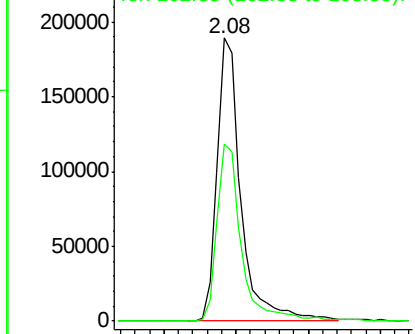
Trichlorofluoromethane
 Concen: 65.89 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
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Tot Ion:101 Resp: 430786
 Ion Ratio Lower Upper
 101 100
 103 62.6 53.4 80.0



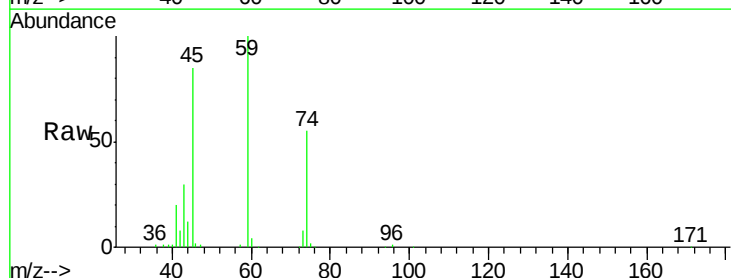
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



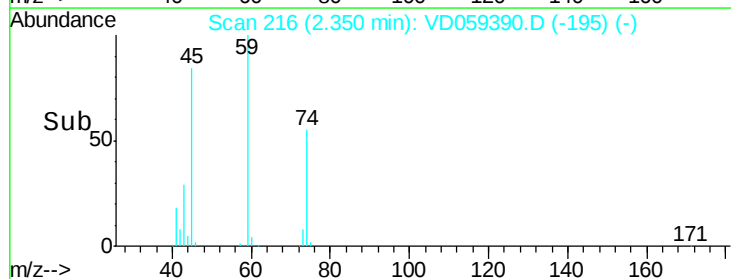
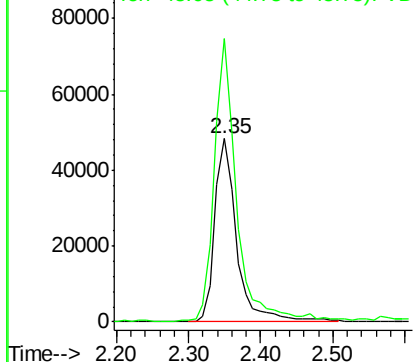
#8

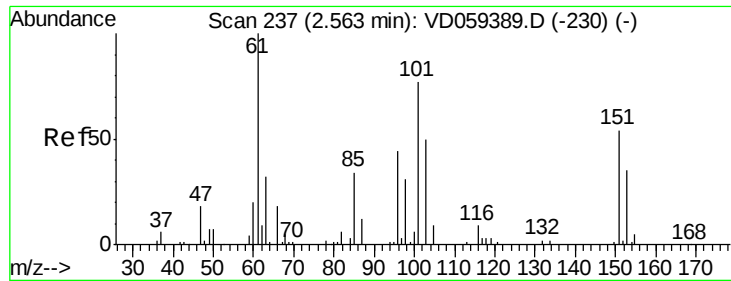
Diethyl Ether
 Concen: 74.17 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD059390.D
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Tgt Ion: 74 Resp: 101753
 Ion Ratio Lower Upper
 74 100
 45 154.3 78.0 233.8



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: 64.98 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059390.D

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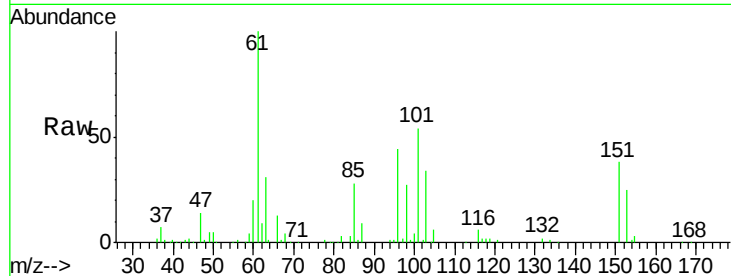
Tot Ion:101 Resp: 266870

Ion Ratio Lower Upper

101 100

85 53.0 35.7 53.5

151 71.5 55.8 83.8



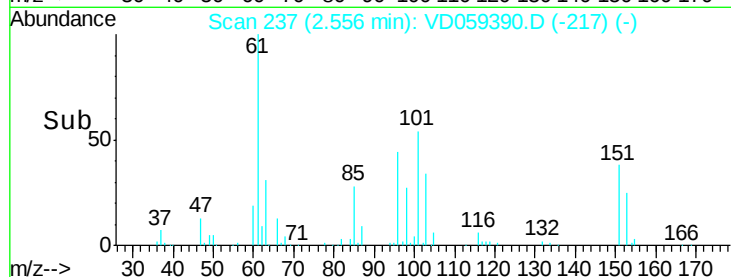
Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

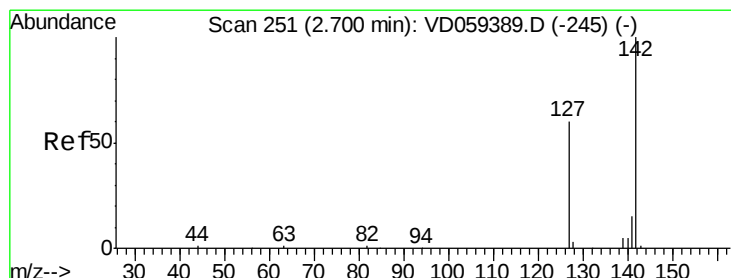
Time-->

2.56



Time-->

2.56



#10

Methyl Iodide

Concen: 76.64 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

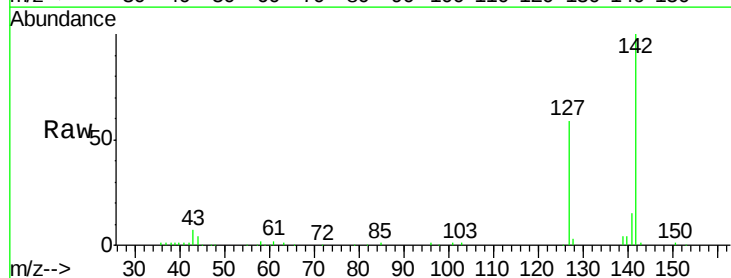
Tgt Ion:142 Resp: 360718

Ion Ratio Lower Upper

142 100

127 59.2 48.4 72.6

141 14.9 12.1 18.1



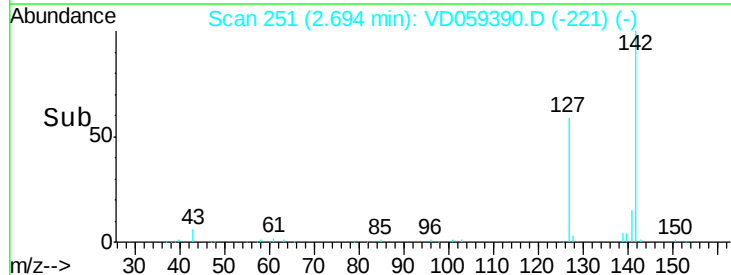
Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

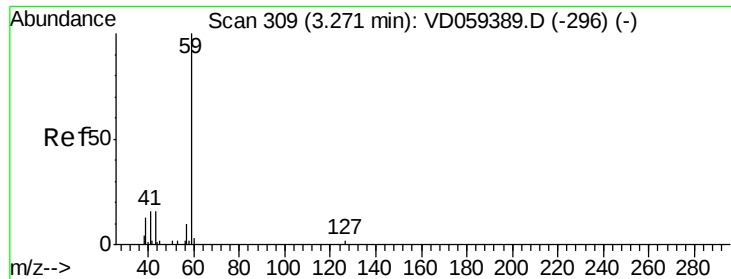
Time-->

2.69



Time-->

2.69

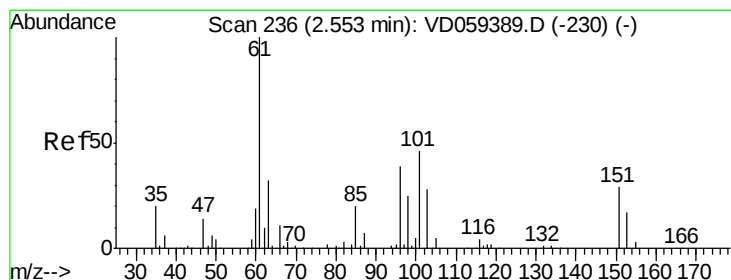
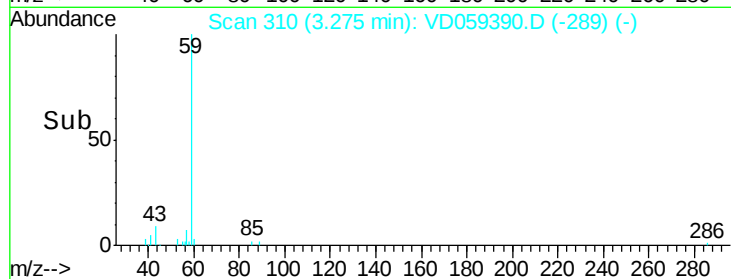
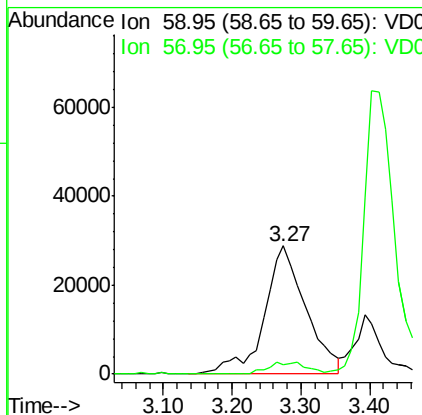
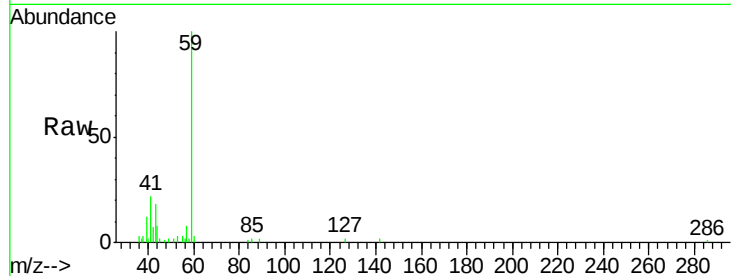


#11

Tert butyl alcohol
 Concen: 392.56 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

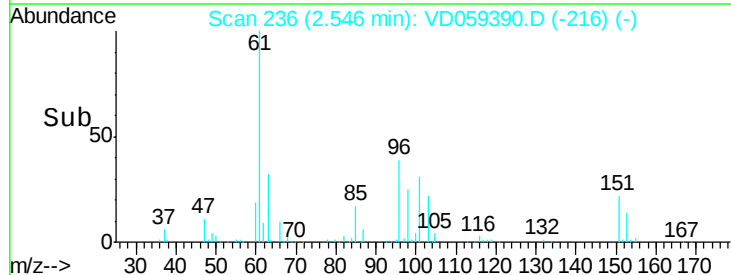
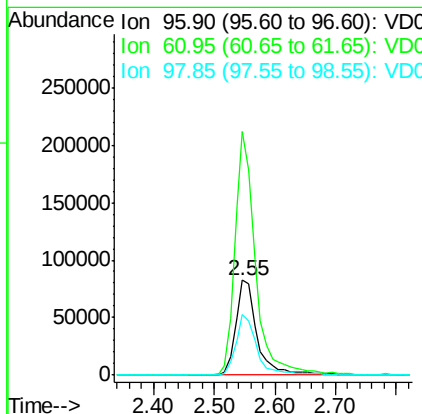
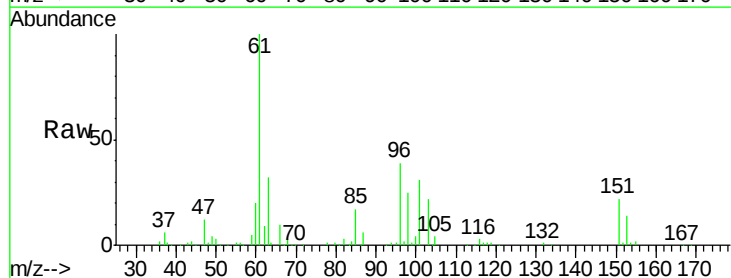
Tot Ion: 59 Resp: 120845
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.3 12.5#

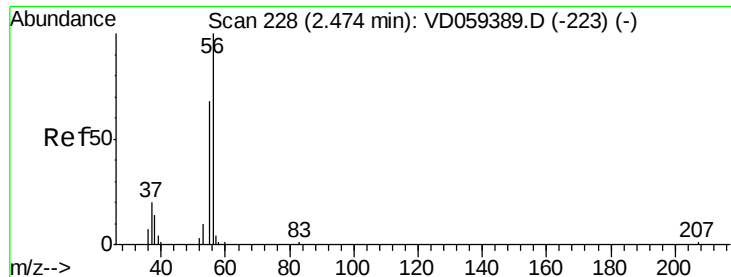


#12

1,1-Dichloroethene
 Concen: 66.06 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion: 96 Resp: 202927
 Ion Ratio Lower Upper
 96 100
 61 256.4 205.4 308.0
 98 64.2 51.0 76.4





#13

Acrolein

Concen: 479.69 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

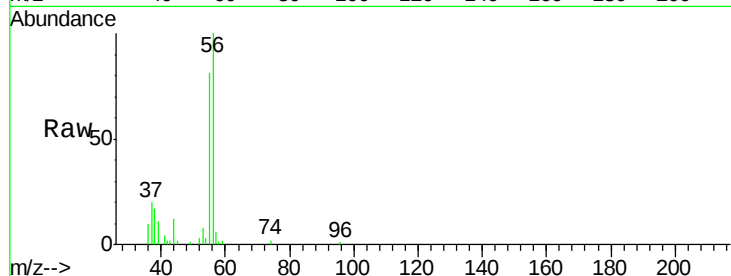
VSTDIC075

Tot Ion: 56 Resp: 94445

Ion Ratio Lower Upper

56 100

55 80.8 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

40000

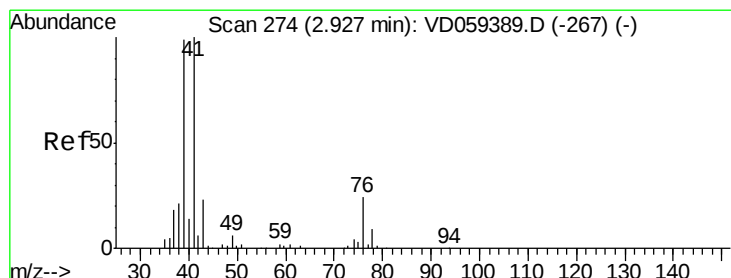
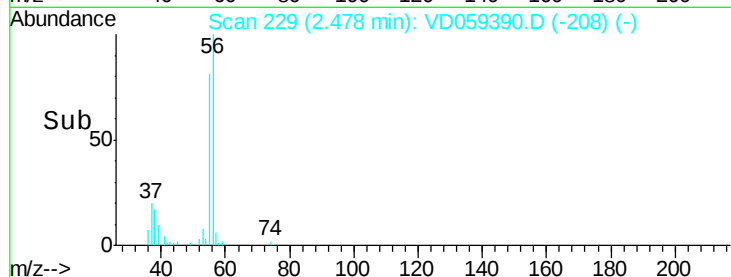
30000

20000

10000

0

Time--> 2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 66.16 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

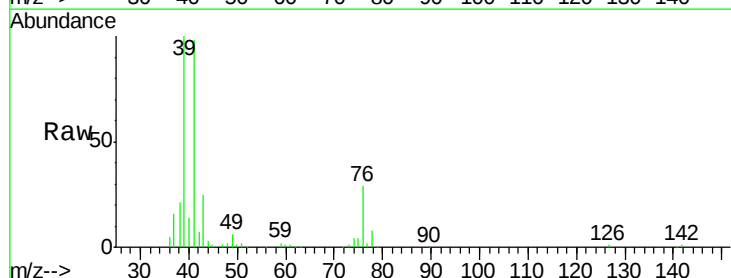
Tgt Ion: 41 Resp: 469357

Ion Ratio Lower Upper

41 100

39 102.0 79.1 118.7

76 29.5 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

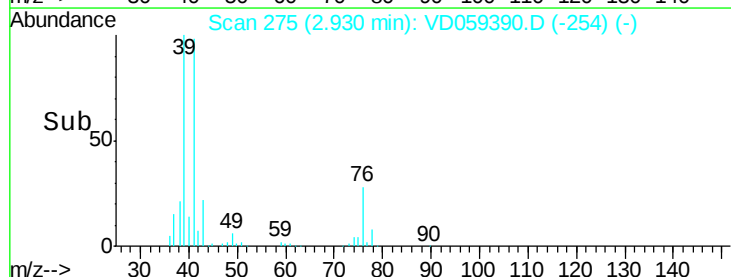
300000

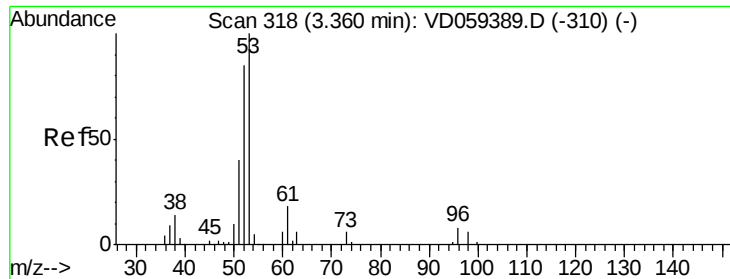
200000

100000

0

Time--> 2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 405.86 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

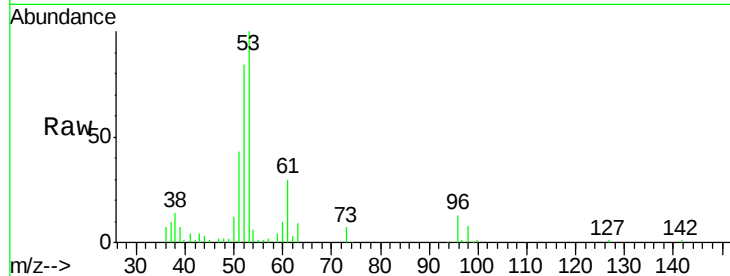
Tot Ion: 53 Resp: 333569

Ion Ratio Lower Upper

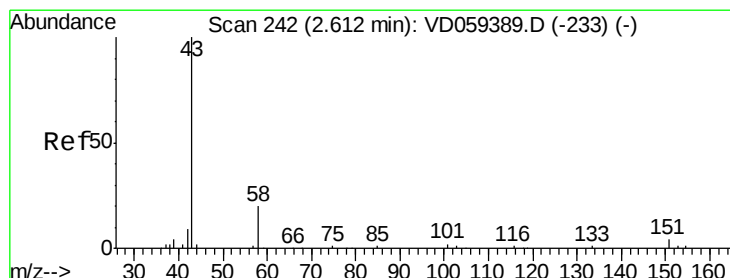
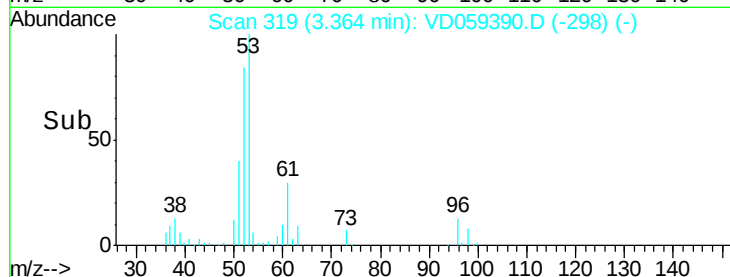
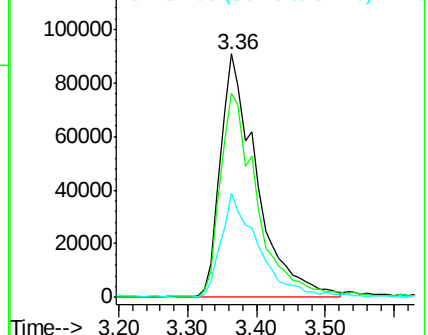
53 100

52 83.8 67.9 101.9

51 42.7 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: 308.00 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059390.D

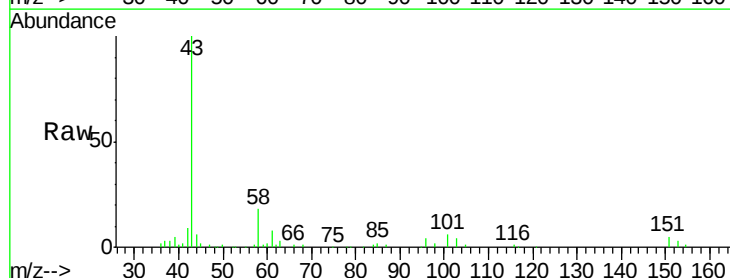
Acq: 25 Jun 2018 1:46

Tgt Ion: 43 Resp: 373815

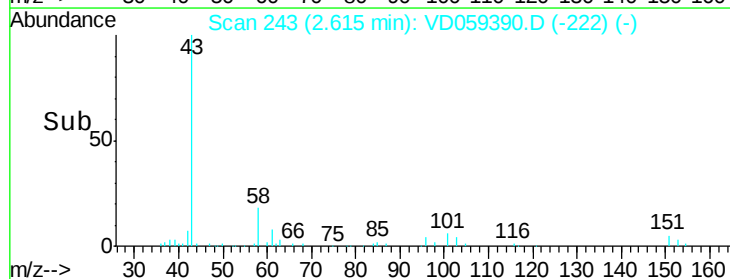
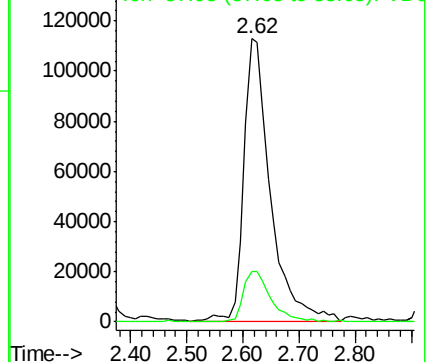
Ion Ratio Lower Upper

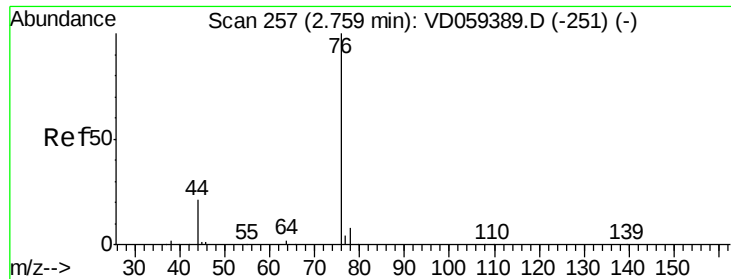
43 100

58 18.0 16.8 25.2



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

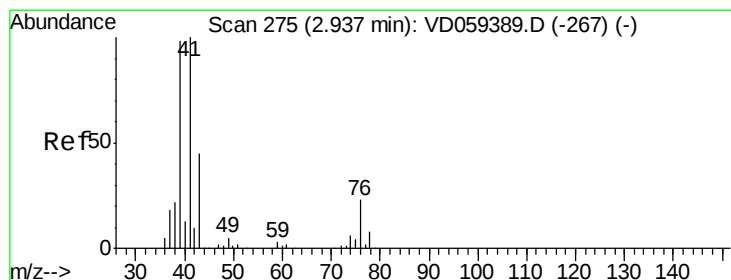
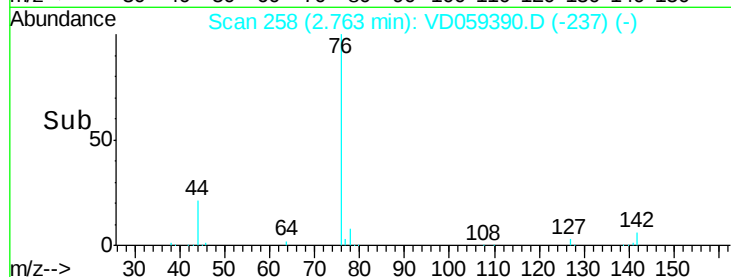
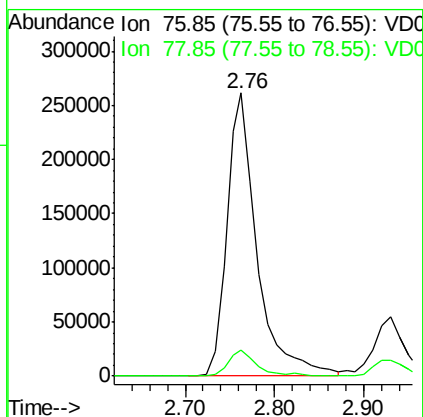
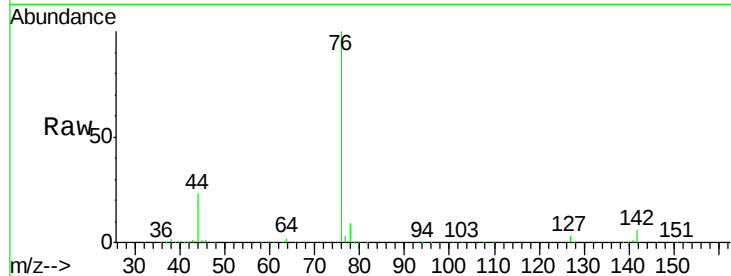




#17
Carbon Disulfide
Concen: 59.52 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

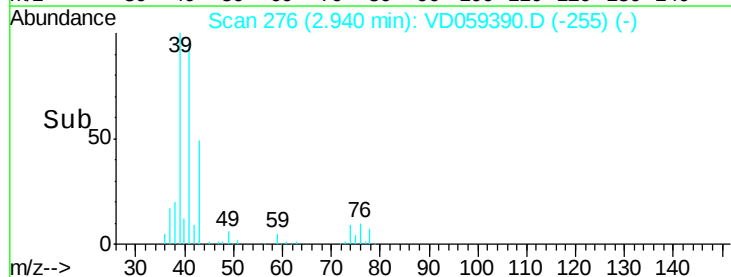
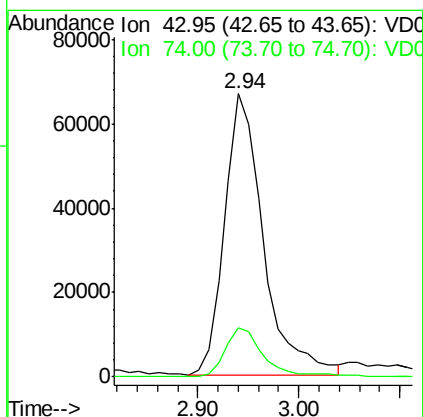
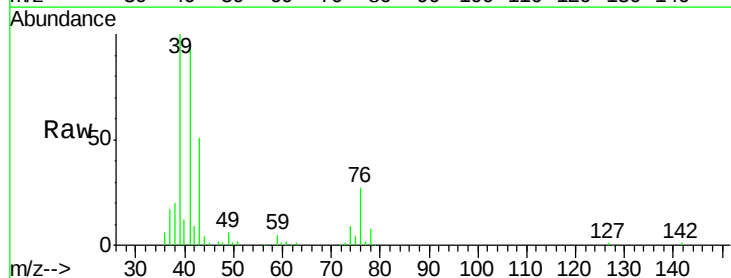
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

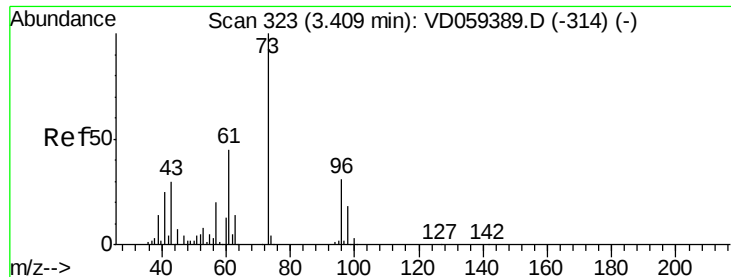
Tot Ion: 76 Resp: 616001
Ion Ratio Lower Upper
76 100
78 9.1 6.6 9.8



#18
Methyl Acetate
Concen: 66.65 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 43 Resp: 177657
Ion Ratio Lower Upper
43 100
74 17.4 11.0 16.4#



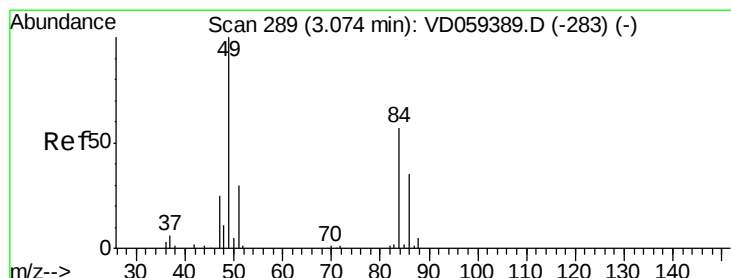
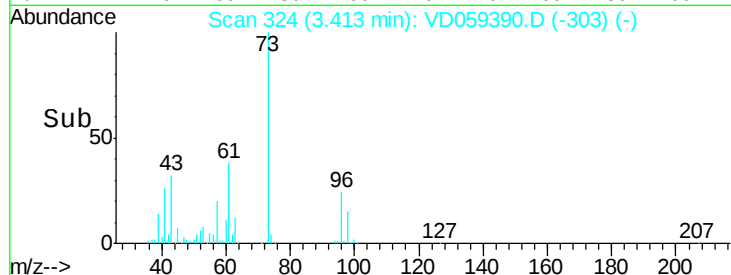
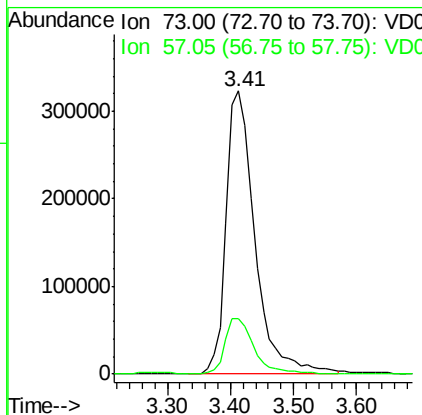
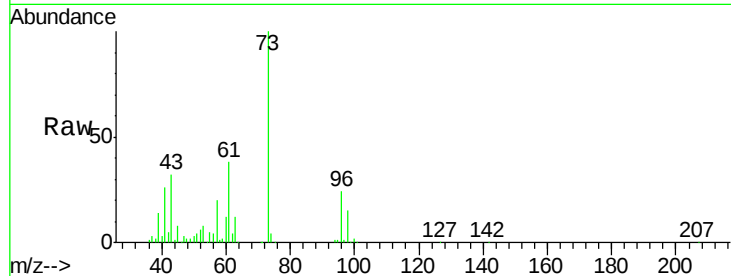


#19

Methyl tert-butyl Ether
 Concen: 111.07 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

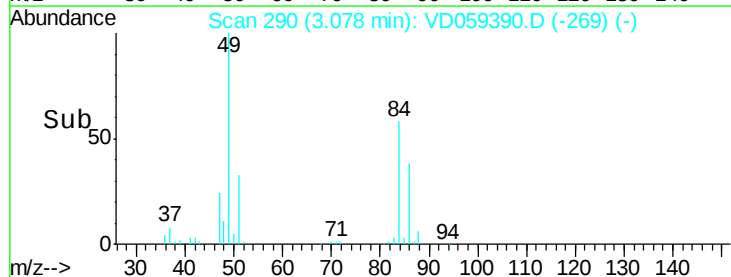
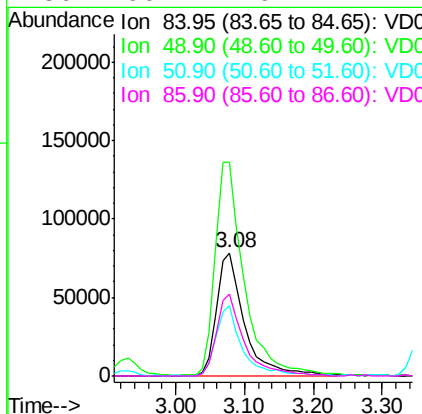
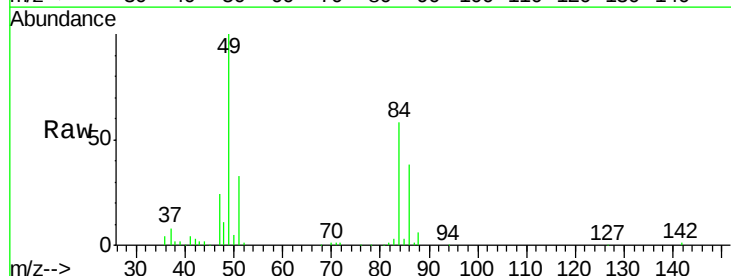
Tot Ion: 73 Resp: 1023295
 Ion Ratio Lower Upper
 73 100
 57 19.7 16.1 24.1

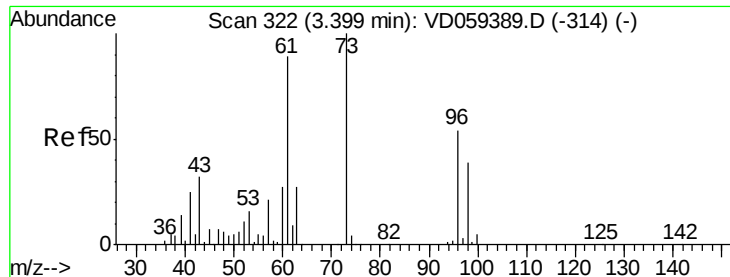


#20

Methylene Chloride
 Concen: 57.07 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion: 84 Resp: 219715
 Ion Ratio Lower Upper
 84 100
 49 173.2 140.3 210.5
 51 56.9 41.6 62.4
 86 66.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 99.19 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

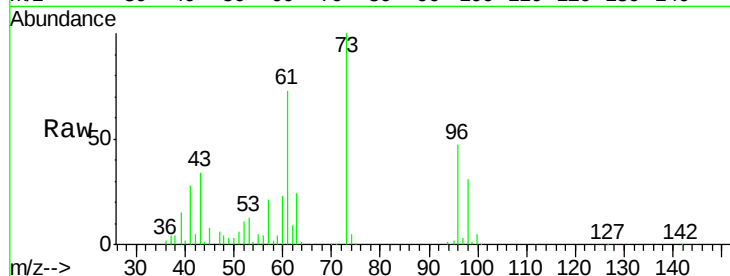
Tot Ion: 96 Resp: 369801

Ion Ratio Lower Upper

96 100

61 154.5 131.0 196.4

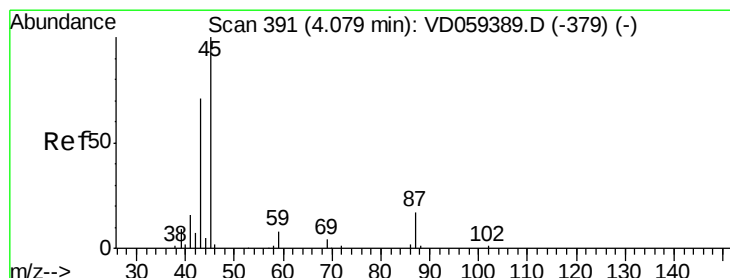
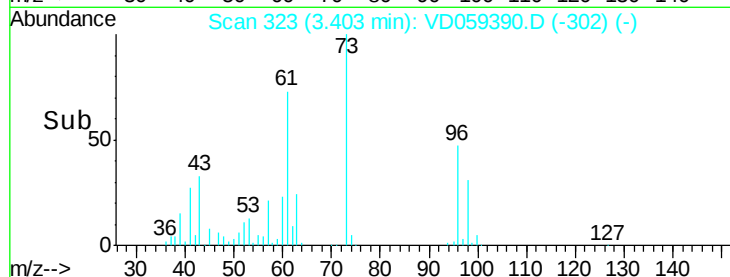
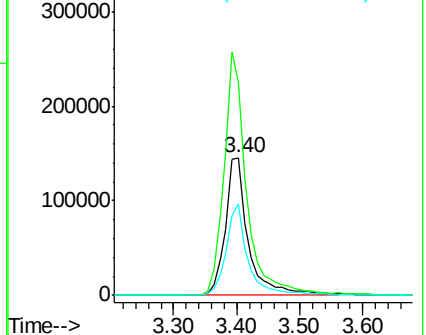
98 66.0 56.8 85.2



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: 61.20 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Tgt Ion: 45 Resp: 1720712

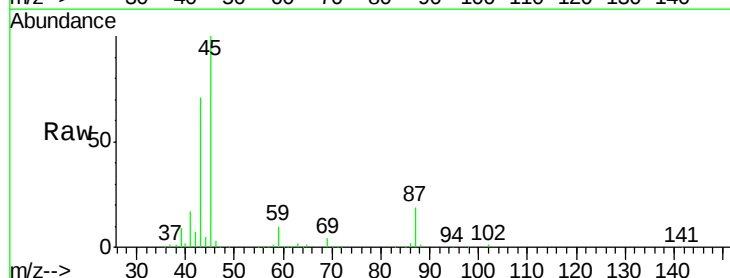
Ion Ratio Lower Upper

45 100

43 70.9 56.9 85.3

87 18.7 14.2 21.4

59 9.7 7.0 10.4

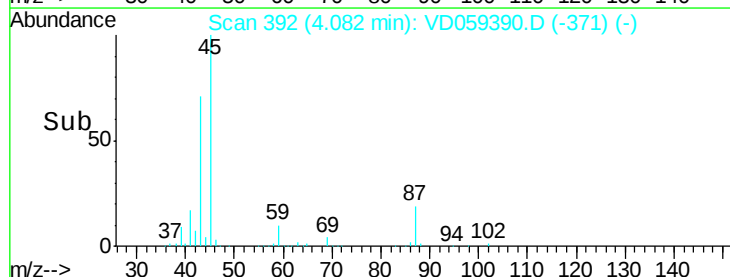
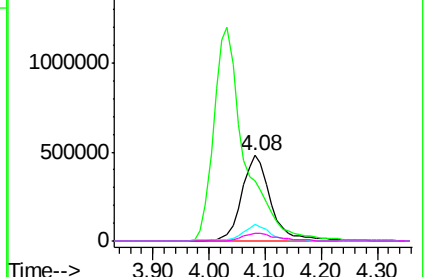


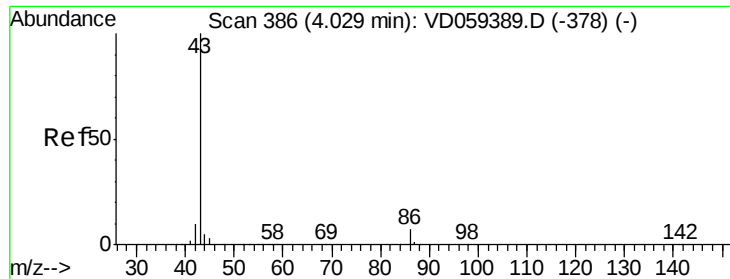
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 308.28 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

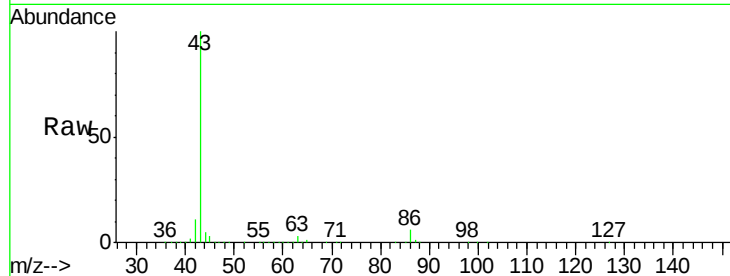
VSTDIC075

Tot Ion: 43 Resp: 4599606

Ion Ratio Lower Upper

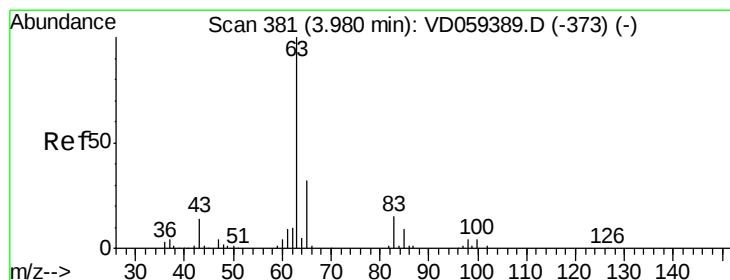
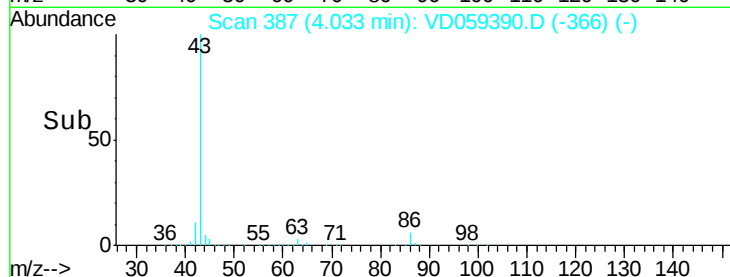
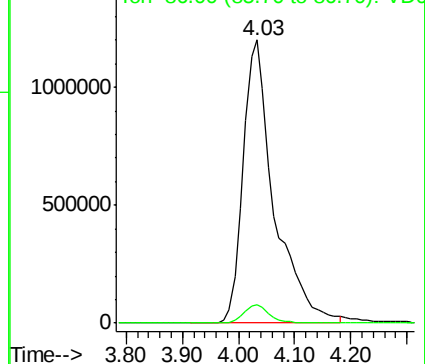
43 100

86 6.4 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 64.25 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

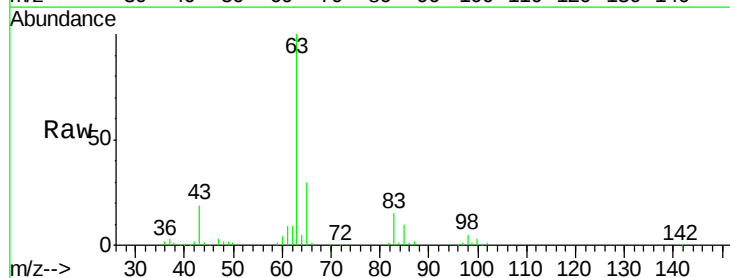
Tgt Ion: 63 Resp: 979354

Ion Ratio Lower Upper

63 100

98 5.3 2.1 6.5

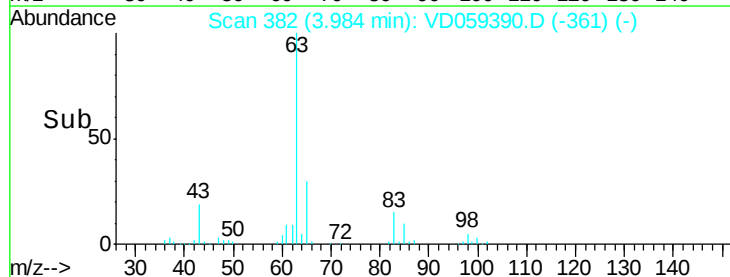
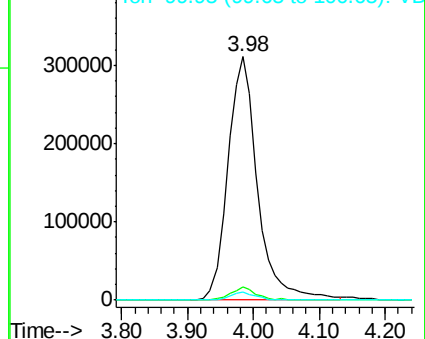
100 3.1 1.8 5.5

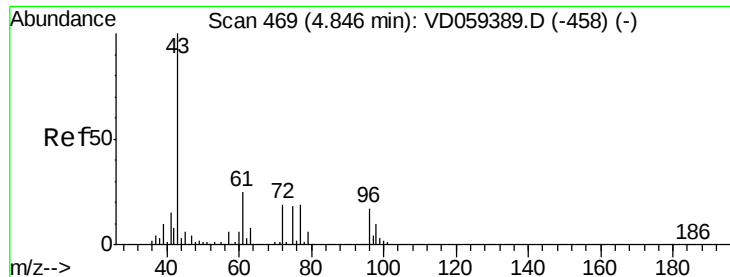


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 317.39 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

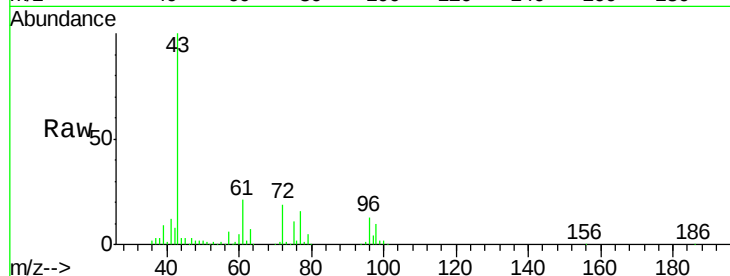
VSTDIC075

Tot Ion: 43 Resp: 836841

Ion Ratio Lower Upper

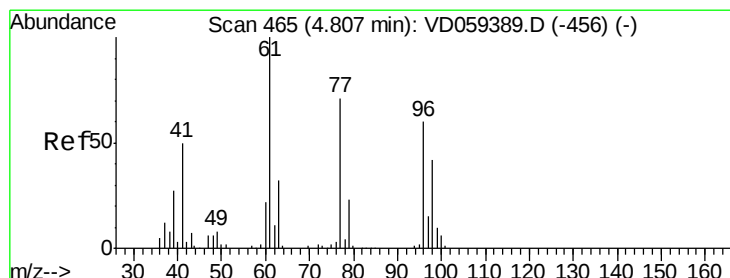
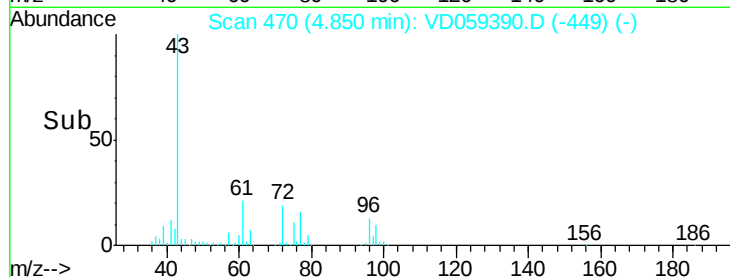
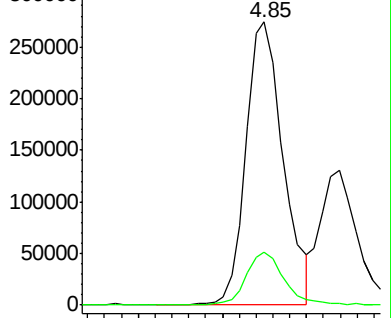
43 100

72 18.7 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: 60.88 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059390.D

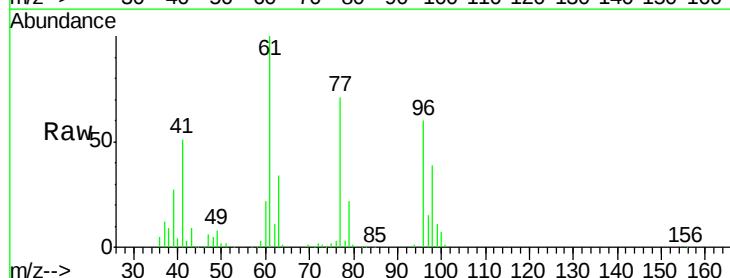
Acq: 25 Jun 2018 1:46

Tgt Ion: 77 Resp: 772245

Ion Ratio Lower Upper

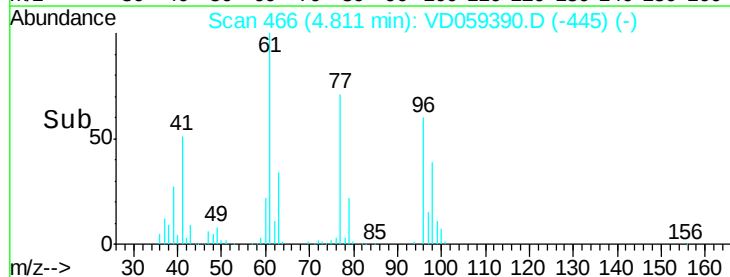
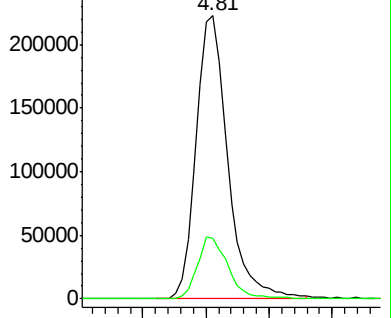
77 100

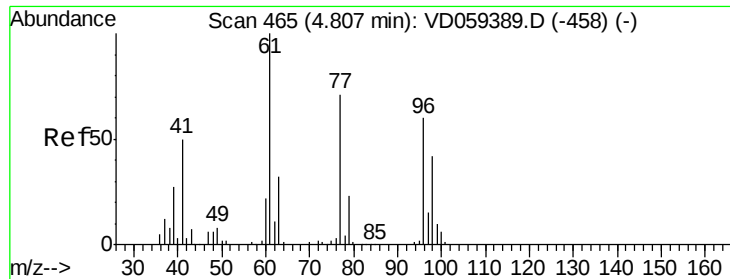
97 21.5 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



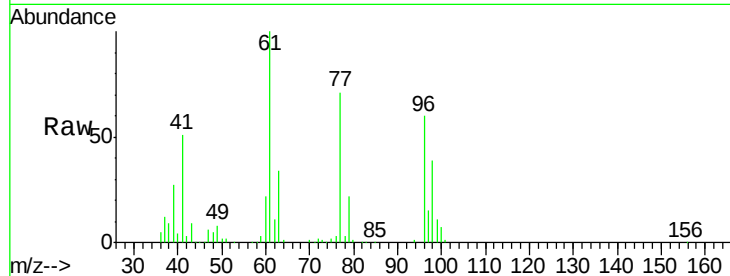


#27

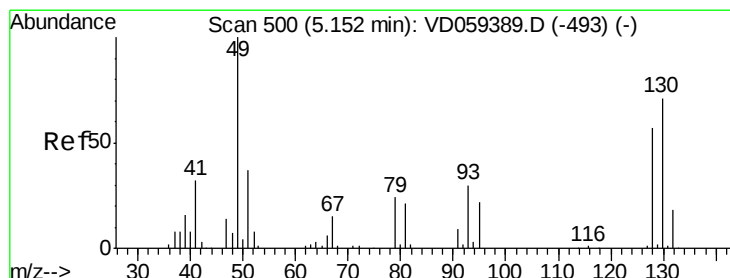
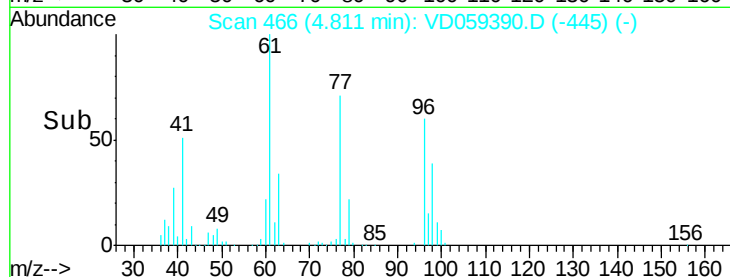
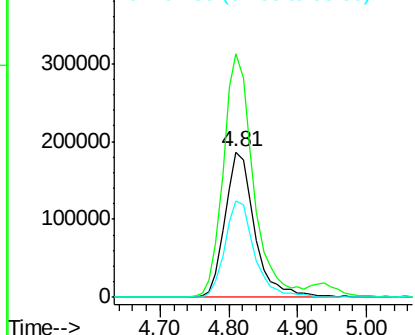
cis-1,2-Dichloroethene
Concen: 66.14 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 96 Resp: 558071
Ion Ratio Lower Upper
96 100
61 167.4 0.0 335.8
98 66.0 0.0 141.0



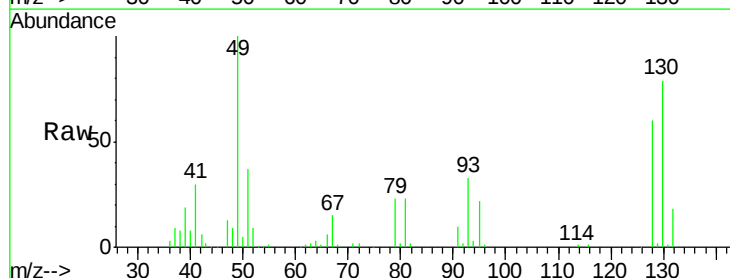
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



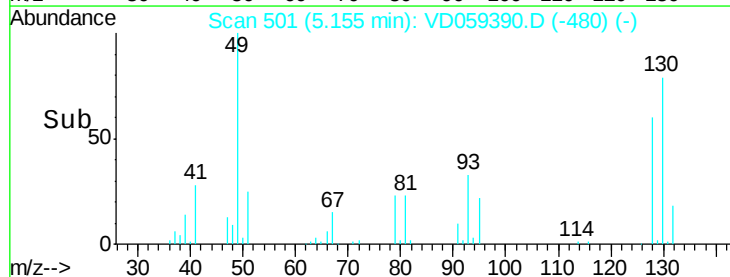
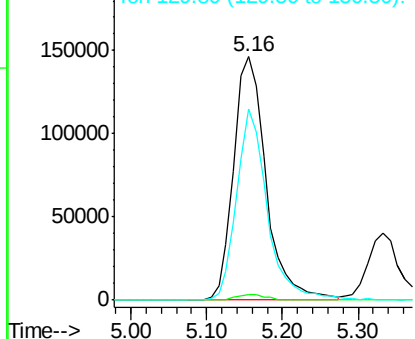
#28

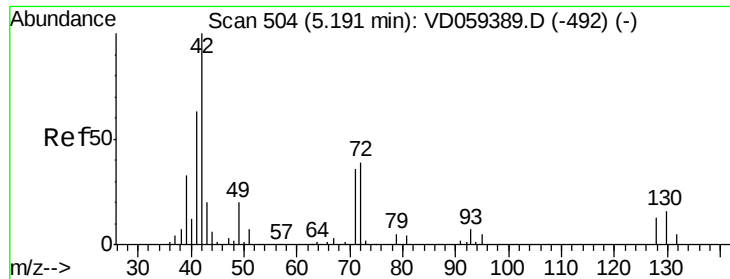
Bromochloromethane
Concen: 63.81 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 49 Resp: 434723
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 78.7 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

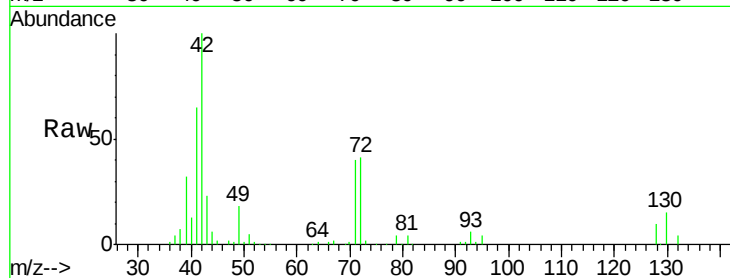




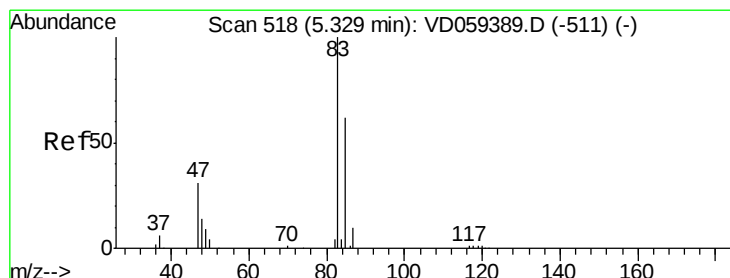
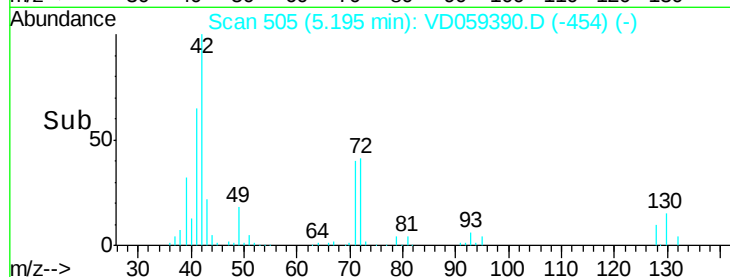
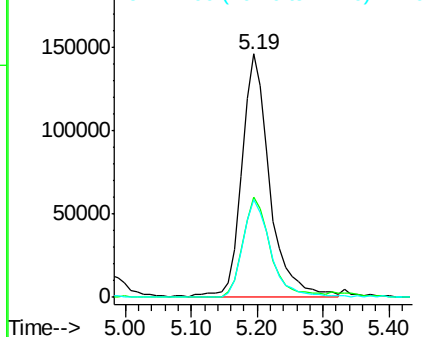
#29
Tetrahydrofuran
Concen: 304.47 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 42 Resp: 427426
Ion Ratio Lower Upper
42 100
72 41.7 31.4 47.2
71 41.0 29.7 44.5

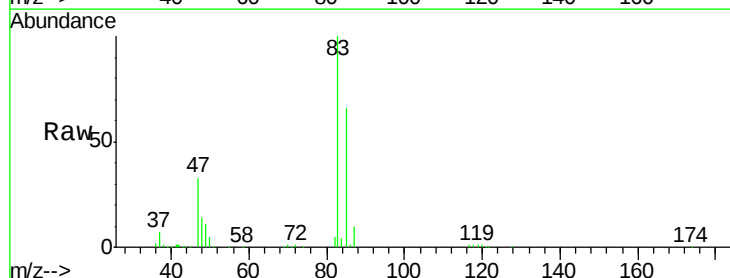


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

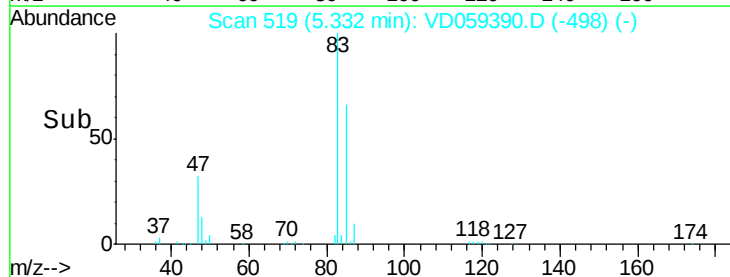
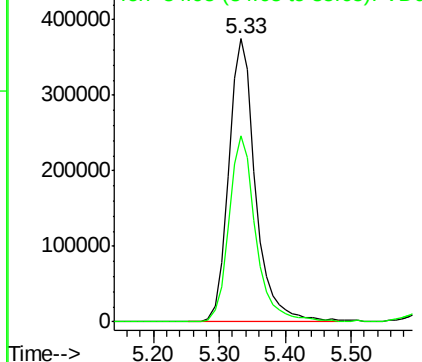


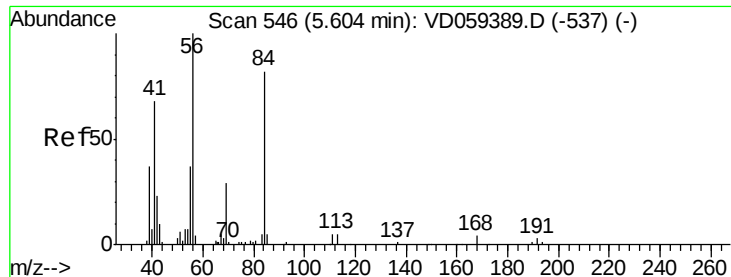
#30
Chloroform
Concen: 66.14 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 83 Resp: 1070828
Ion Ratio Lower Upper
83 100
85 65.9 49.3 73.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

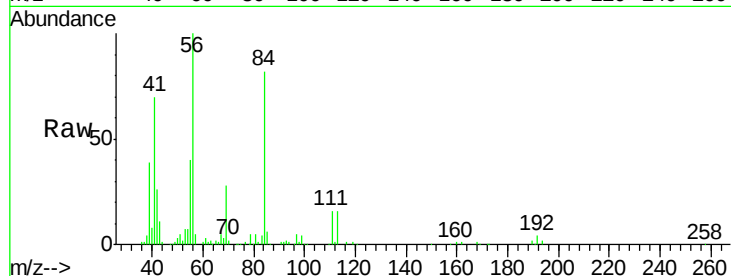




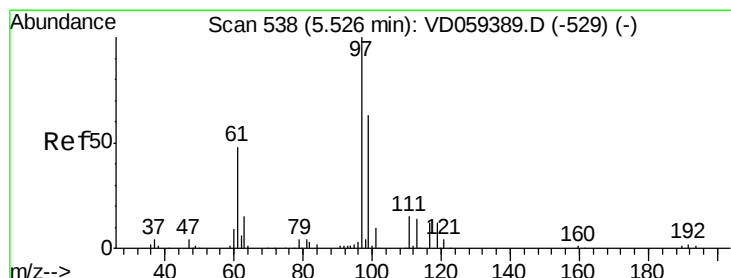
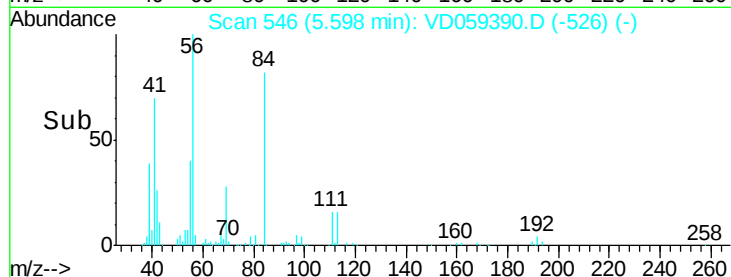
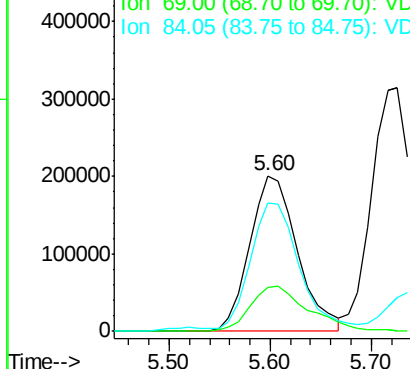
#31
Cyclohexane
Concen: 51.23 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 660507
Ion Ratio Lower Upper
56 100
69 28.5 22.9 34.3
84 82.1 67.3 100.9

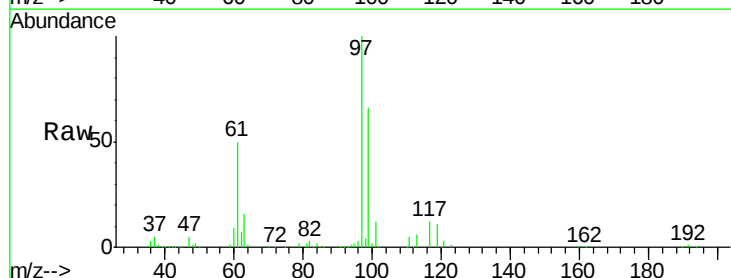


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

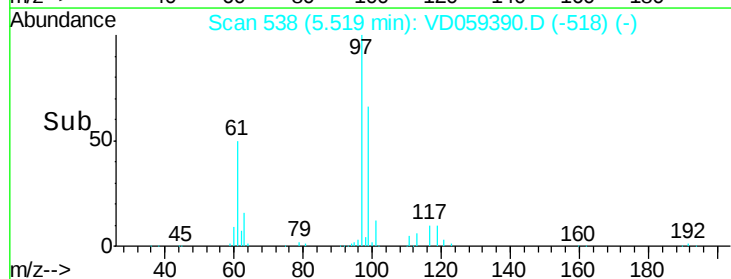
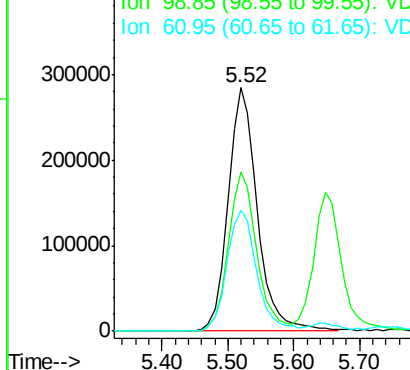


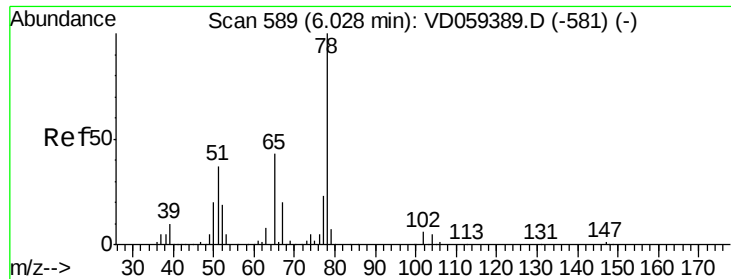
#32
1,1,1-Trichloroethane
Concen: 65.93 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 97 Resp: 882779
Ion Ratio Lower Upper
97 100
99 65.5 50.2 75.4
61 49.7 38.6 57.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 65.93 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

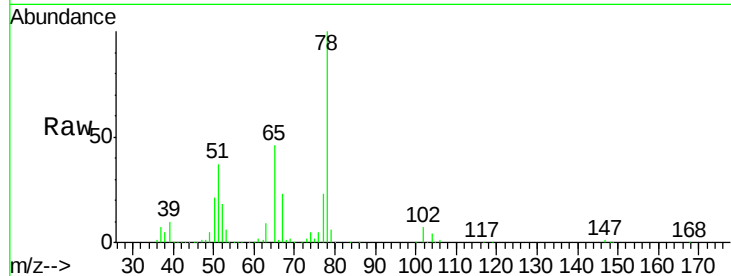
VSTDIC075

Tot Ion: 65 Resp: 650500

Ion Ratio Lower Upper

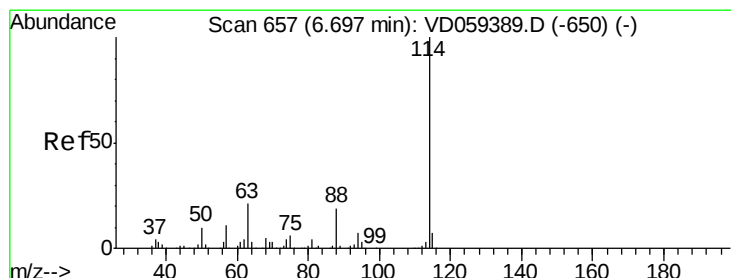
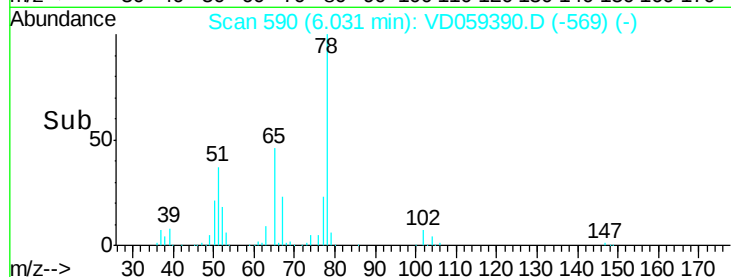
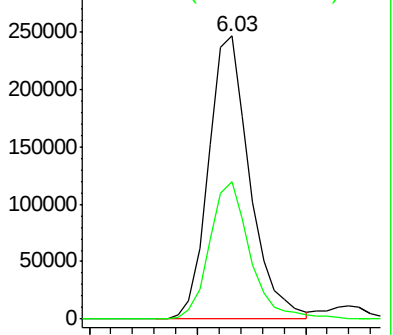
65 100

67 48.5 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

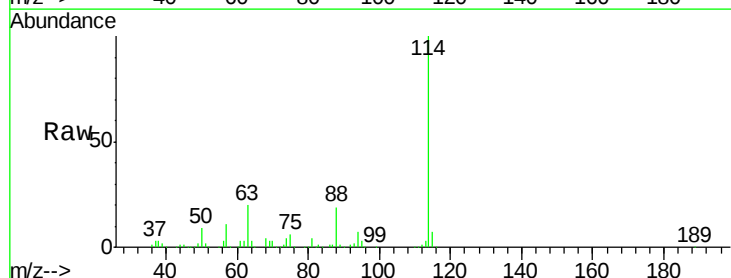
Tgt Ion: 114 Resp: 1214601

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

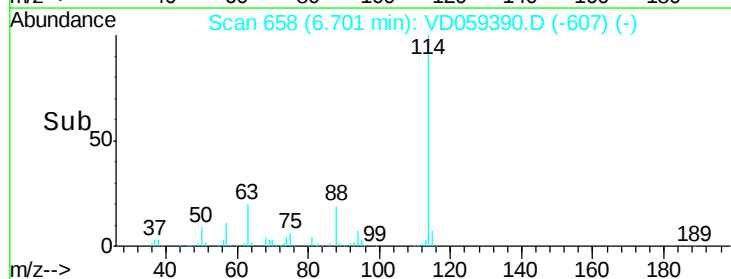
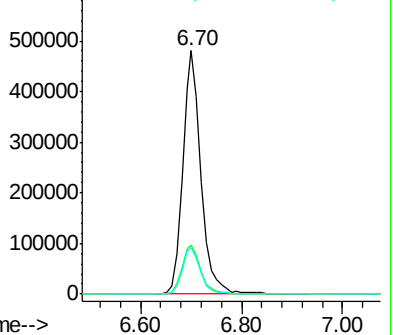
88 19.3 0.0 38.0

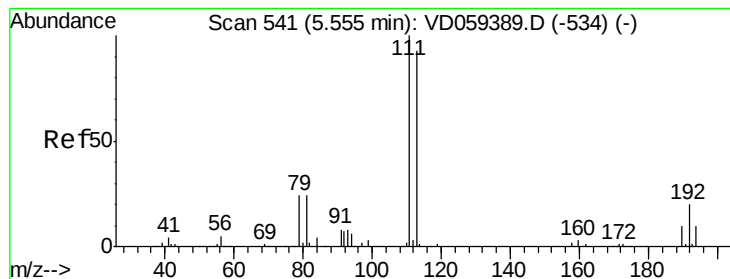


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

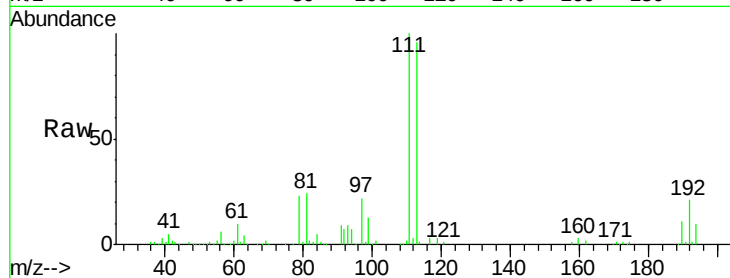
Tot Ion:113 Resp: 678907

Ion Ratio Lower Upper

113 100

111 104.5 85.7 128.5

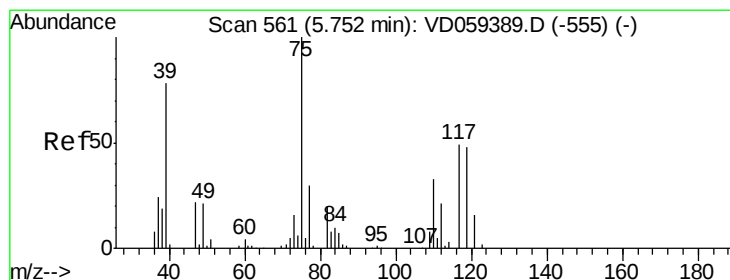
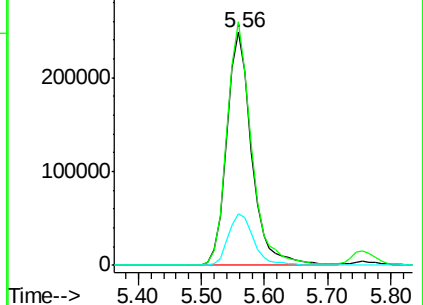
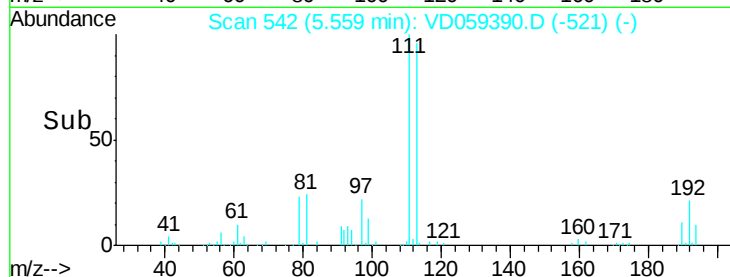
192 22.0 16.9 25.3



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: 57.96 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

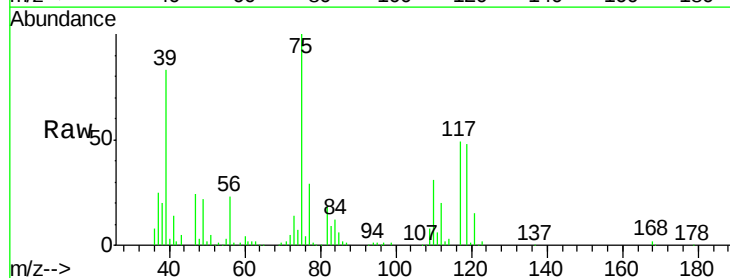
Tgt Ion: 75 Resp: 685457

Ion Ratio Lower Upper

75 100

110 31.3 16.1 48.2

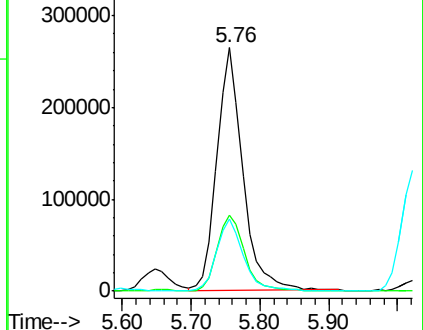
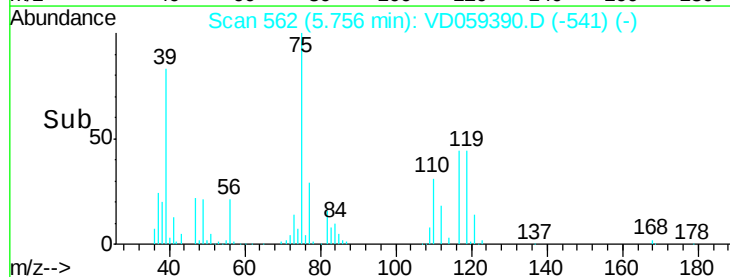
77 29.5 23.4 35.2

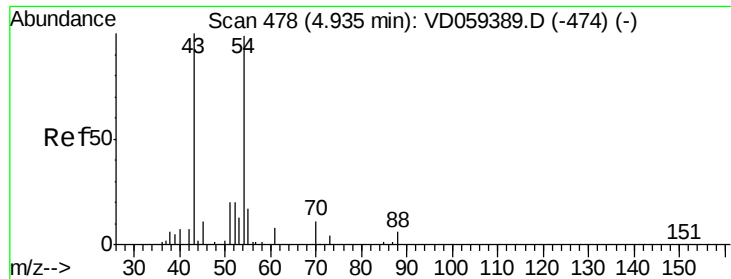


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

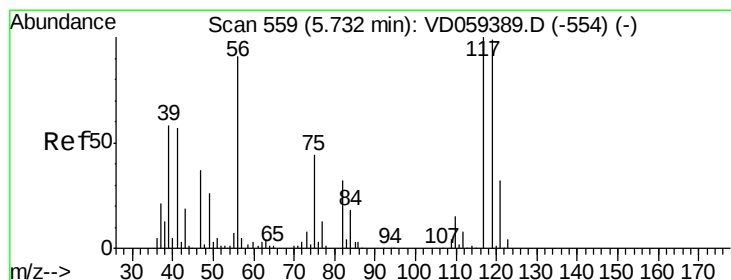
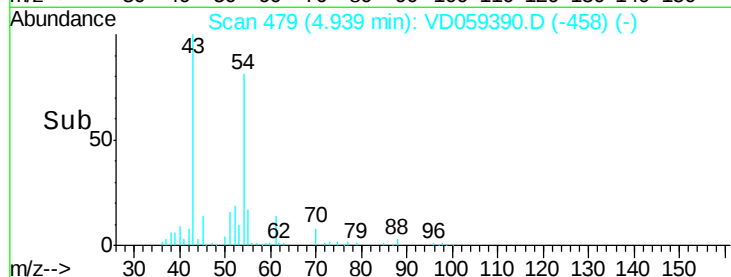
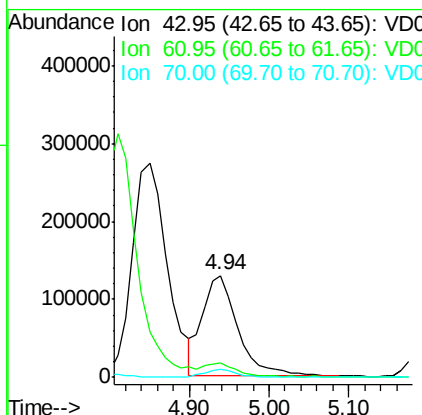
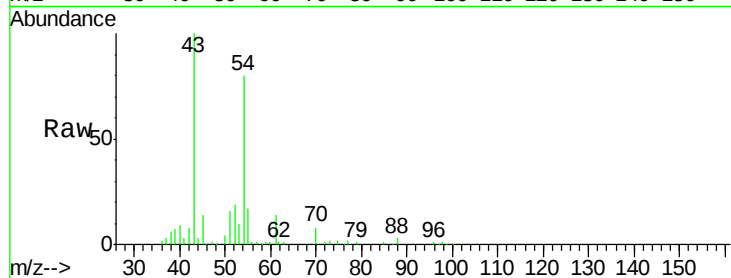




#37
Ethyl Acetate
Concen: 60.14 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

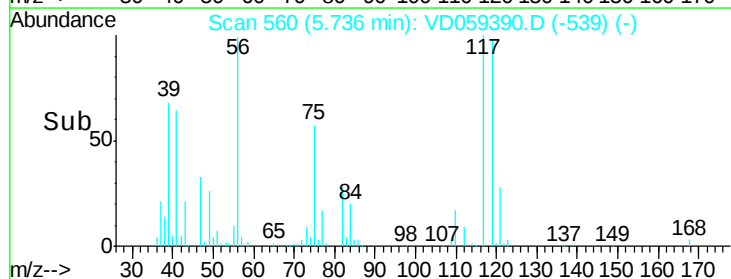
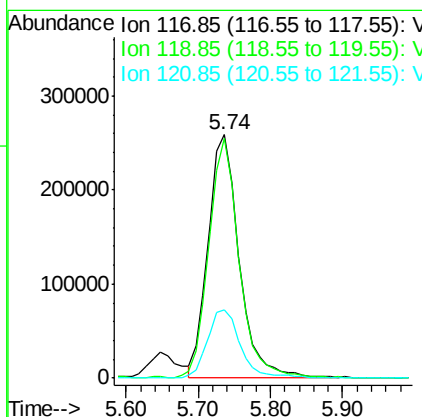
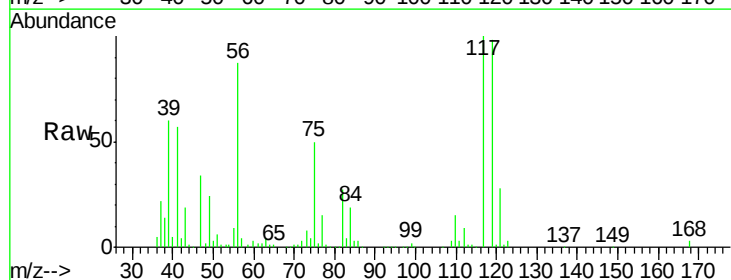
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

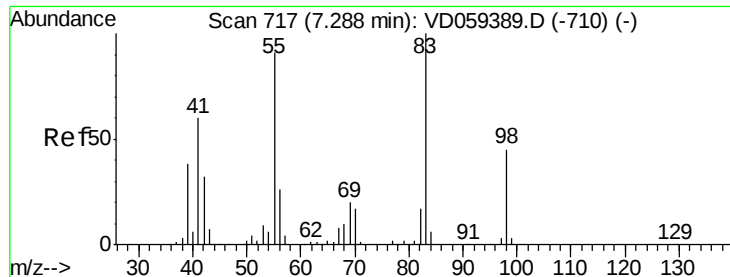
Tot Ion: 43 Resp: 401103
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.8
70 8.0 6.1 9.1



#38
Carbon Tetrachloride
Concen: 64.60 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 117 Resp: 761315
Ion Ratio Lower Upper
117 100
119 98.3 76.6 115.0
121 28.1 25.0 37.4

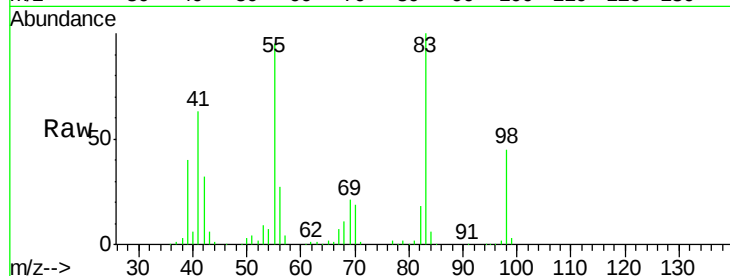




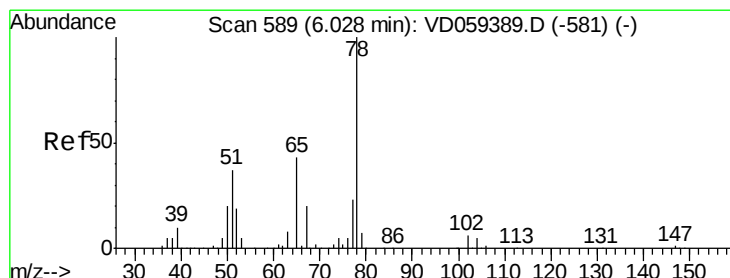
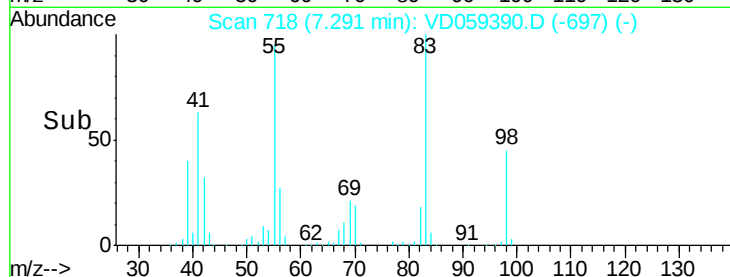
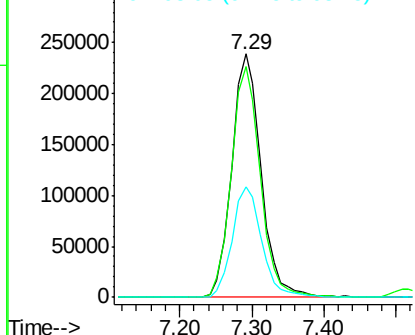
#39
Methvlcvclohexane
Concen: 59.00 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 676278
Ion Ratio Lower Upper
83 100
55 94.7 72.6 109.0
98 45.3 35.8 53.6

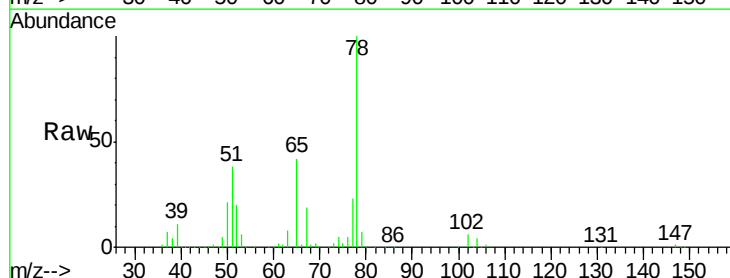


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

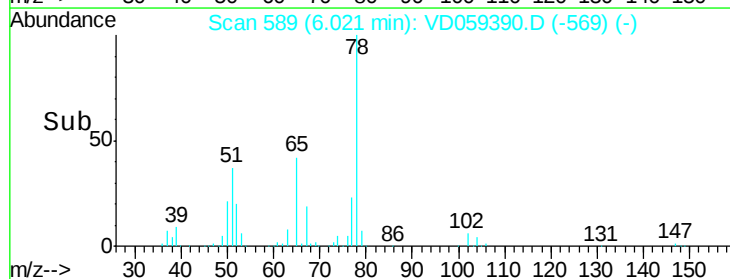
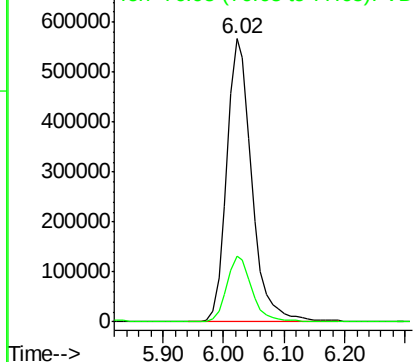


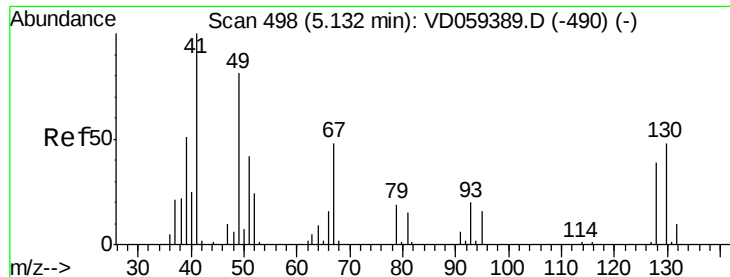
#40
Benzene
Concen: 57.46 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 78 Resp: 1625562
Ion Ratio Lower Upper
78 100
77 23.2 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: 64.50 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 213002

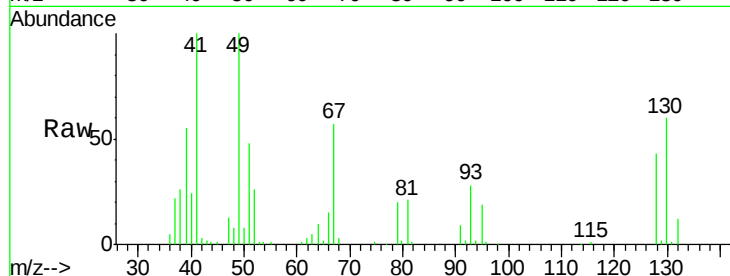
Ion Ratio Lower Upper

41 100

39 55.0 41.5 62.3

67 57.6 38.7 58.1

52 25.7 19.4 29.2

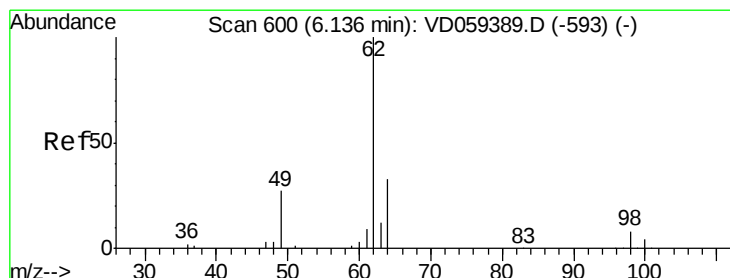
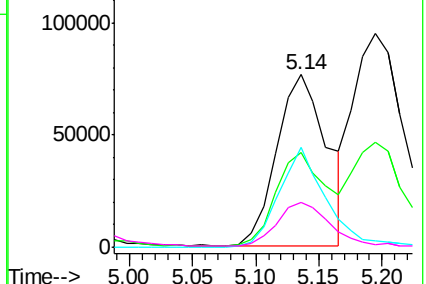
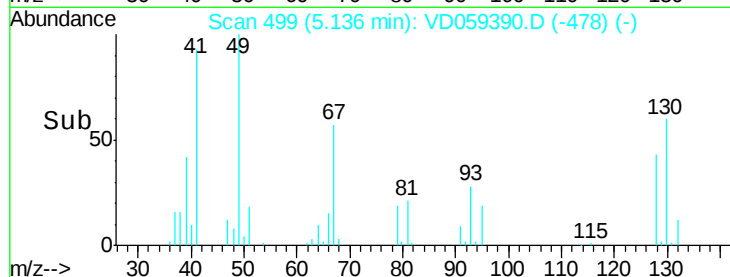


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 65.83 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD059390.D

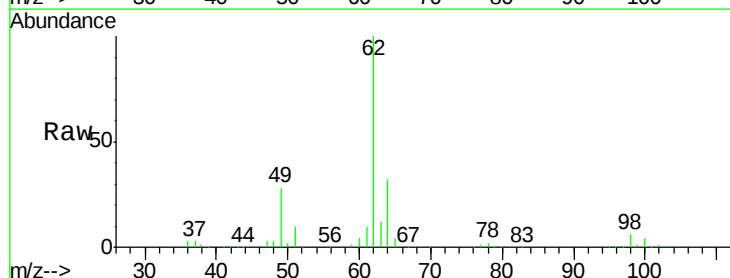
Acq: 25 Jun 2018 1:46

Tgt Ion: 62 Resp: 756165

Ion Ratio Lower Upper

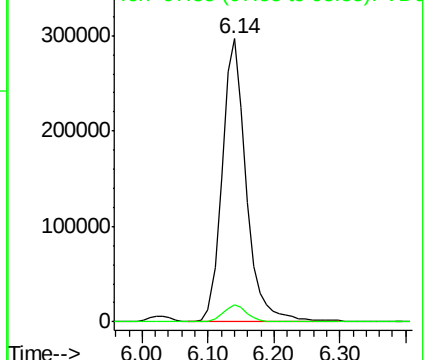
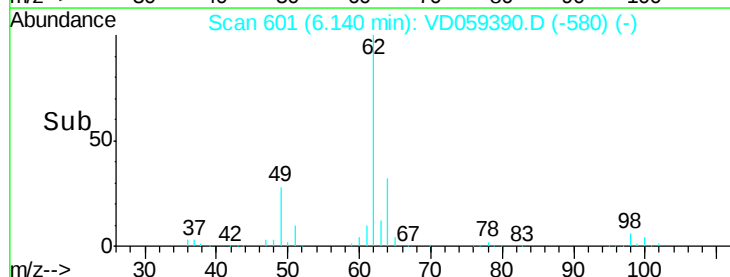
62 100

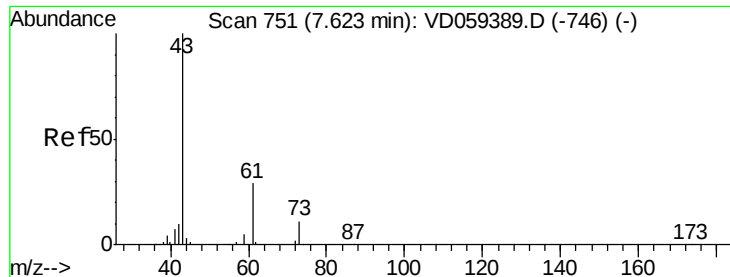
98 6.2 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



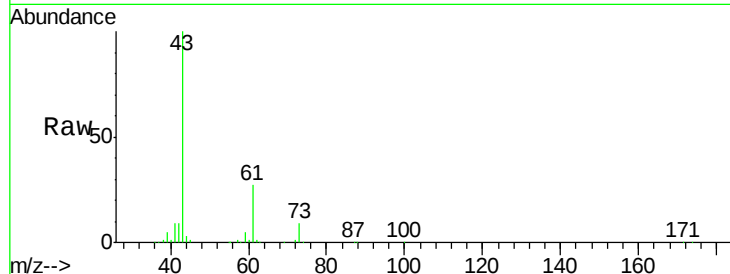


#43

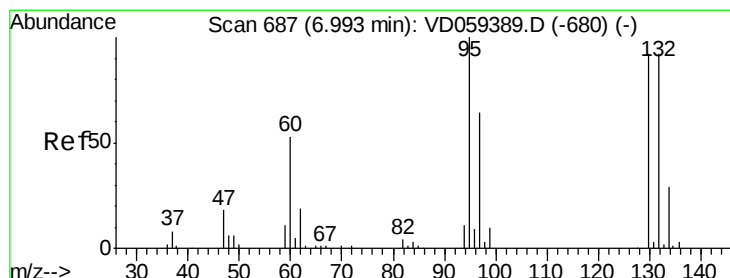
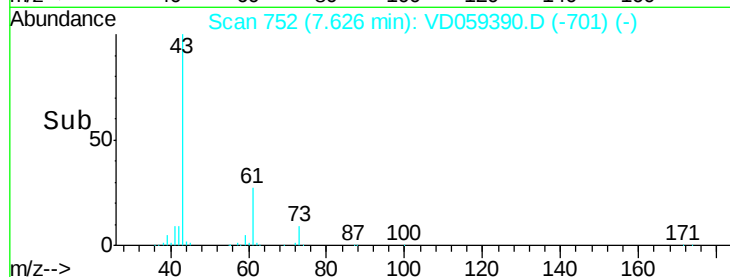
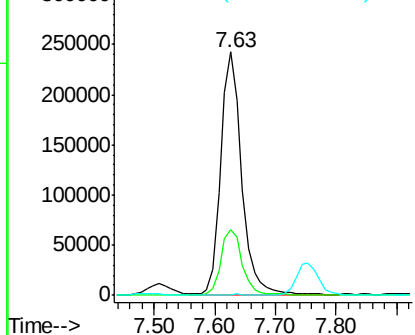
Isopropyl Acetate
 Concen: 66.01 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 43 Resp: 582476
 Ion Ratio Lower Upper
 43 100
 61 26.8 23.1 34.7
 87 0.4 0.2 0.4#



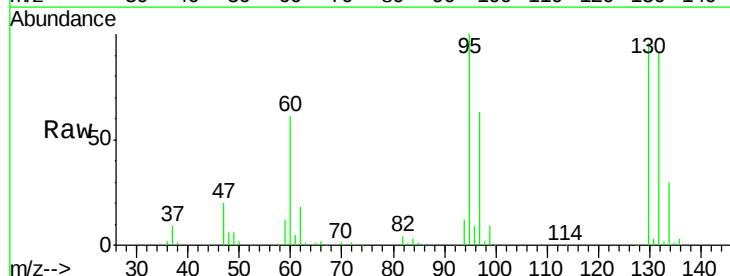
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



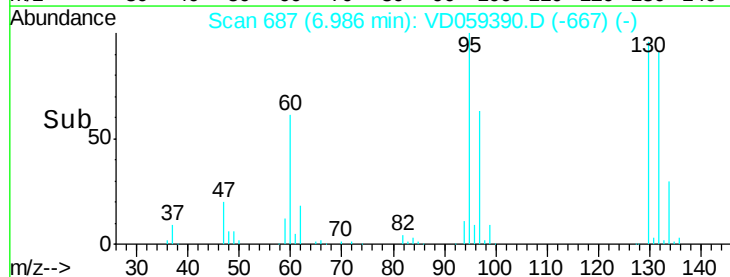
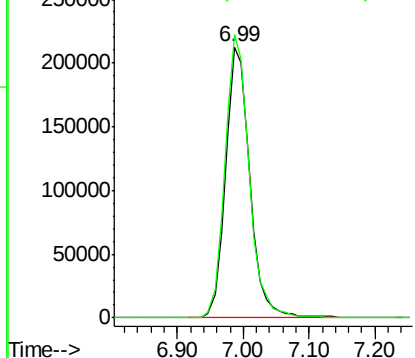
#44

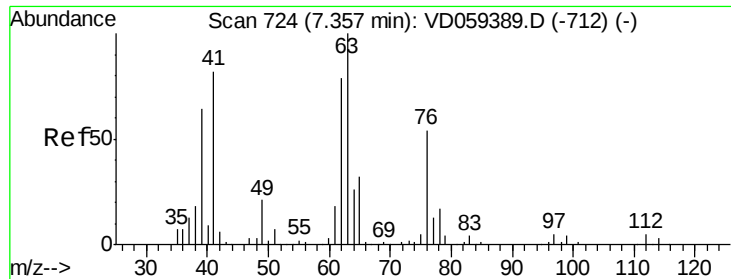
Trichloroethene
 Concen: 64.25 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion:130 Resp: 548643
 Ion Ratio Lower Upper
 130 100
 95 104.5 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: 64.18 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

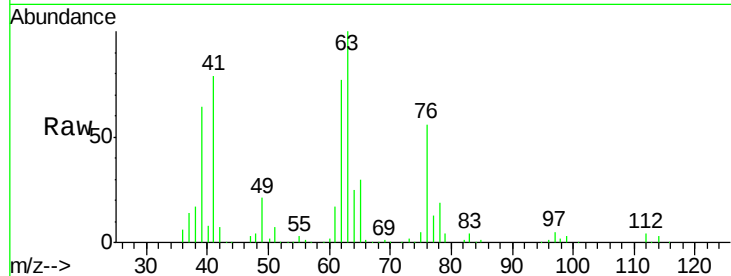
VSTDIC075

Tot Ion: 63 Resp: 484265

Ion Ratio Lower Upper

63 100

65 29.5 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

200000

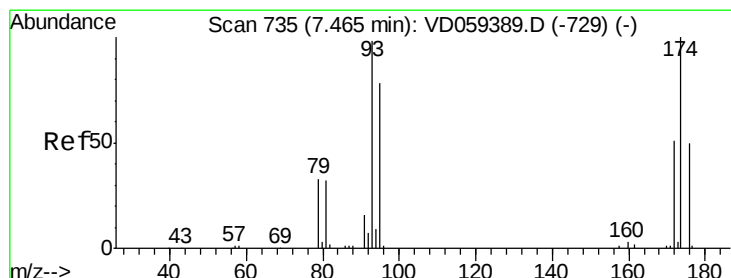
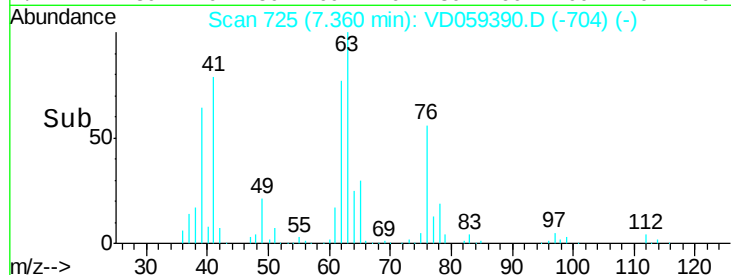
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 66.59 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

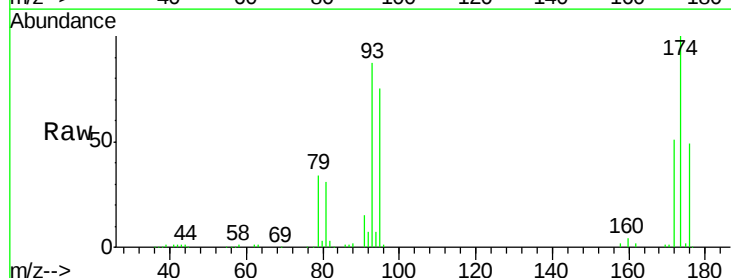
Tgt Ion: 93 Resp: 346197

Ion Ratio Lower Upper

93 100

95 86.4 63.4 95.0

174 114.8 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

200000

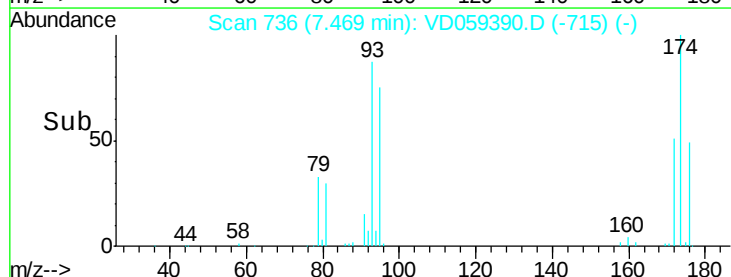
150000

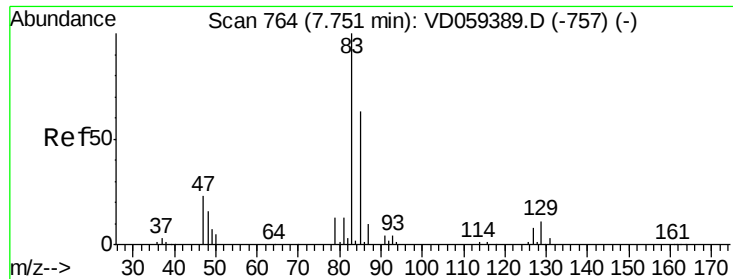
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 65.77 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

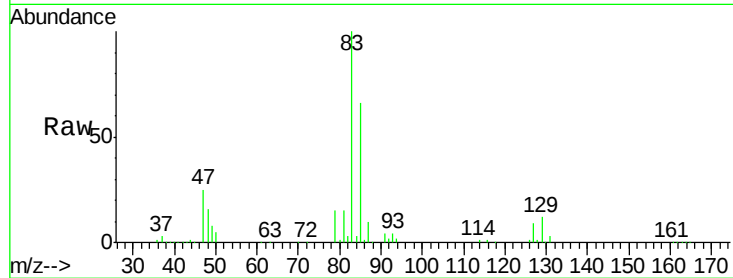
Tot Ion: 83 Resp: 790449

Ion Ratio Lower Upper

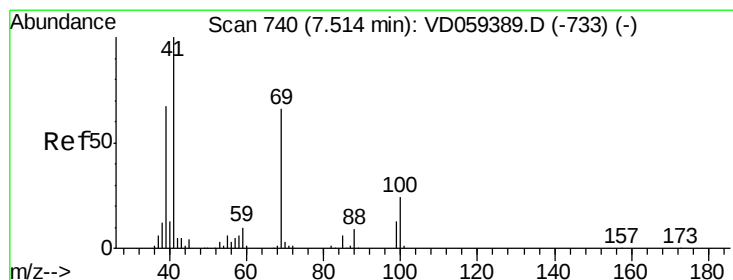
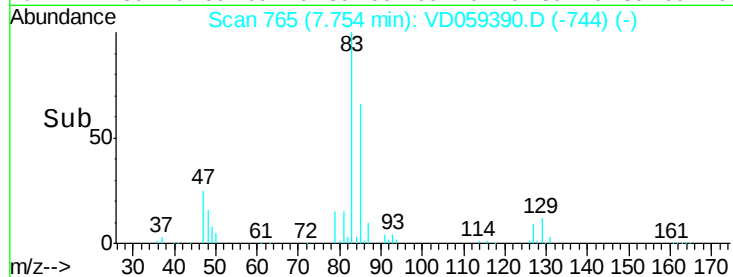
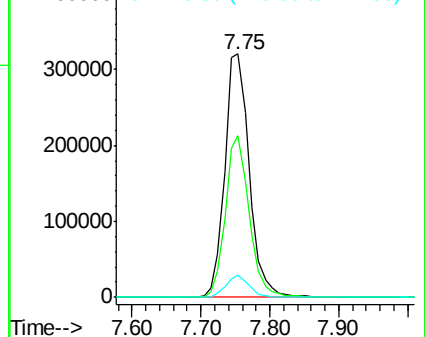
83 100

85 66.4 50.1 75.1

127 9.0 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: 63.00 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

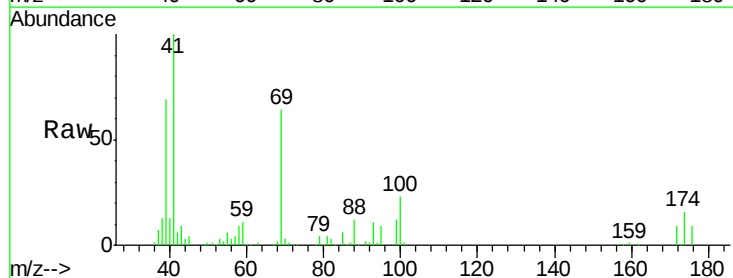
Tgt Ion: 41 Resp: 338515

Ion Ratio Lower Upper

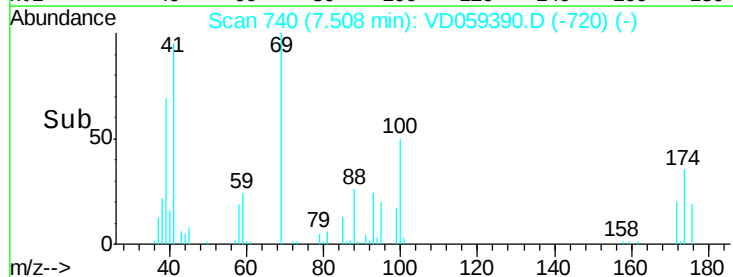
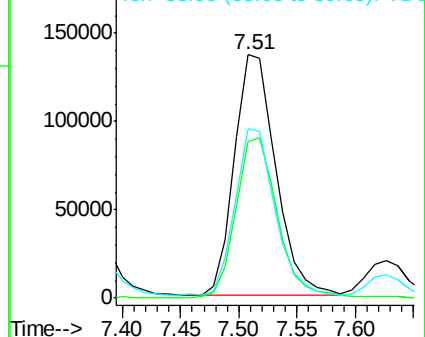
41 100

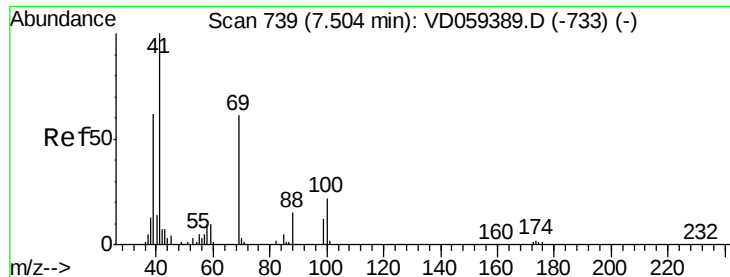
69 64.2 52.6 79.0

39 69.4 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: 1411.11 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

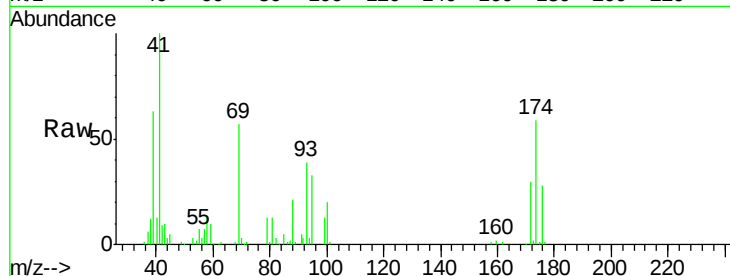
Tot Ion: 88 Resp: 68564

Ion Ratio Lower Upper

88 100

43 44.8 41.0 61.4

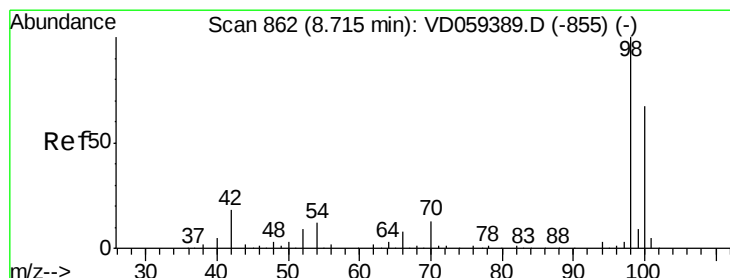
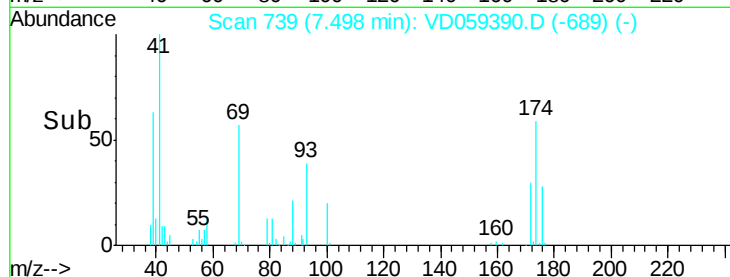
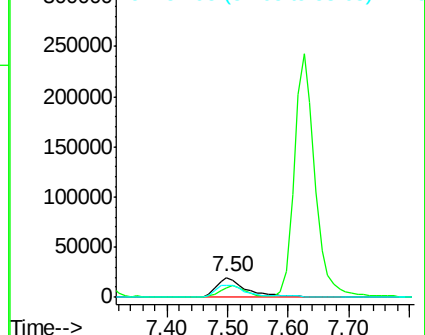
58 61.3 53.4 80.0



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: 1411.11 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059390.D

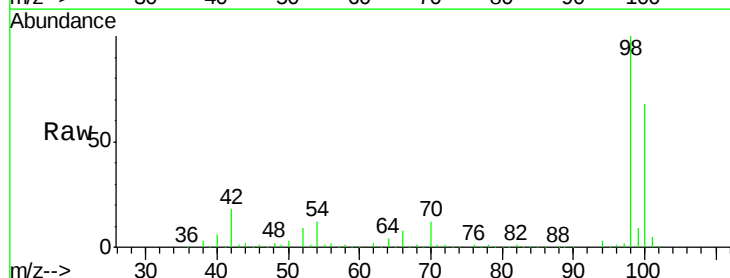
Acq: 25 Jun 2018 1:46

Tgt Ion: 98 Resp: 1544228

Ion Ratio Lower Upper

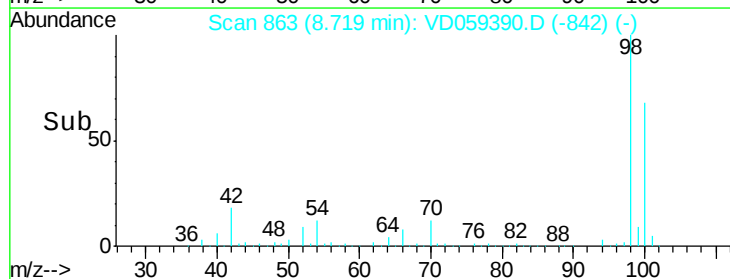
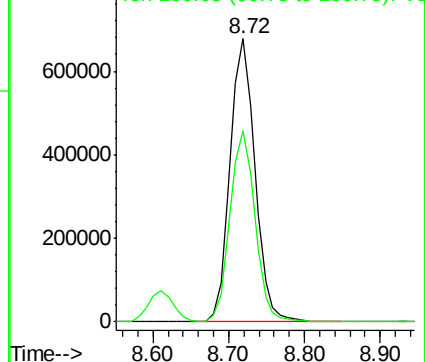
98 100

100 67.7 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: 306.76 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

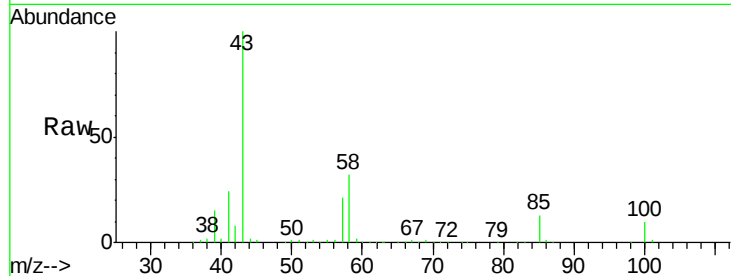
VSTDIC075

Tot Ion: 43 Resp: 1775808

Ion Ratio Lower Upper

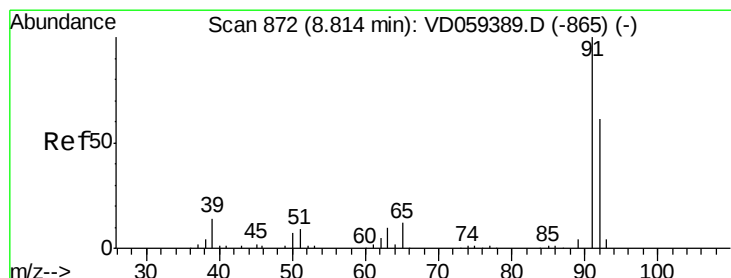
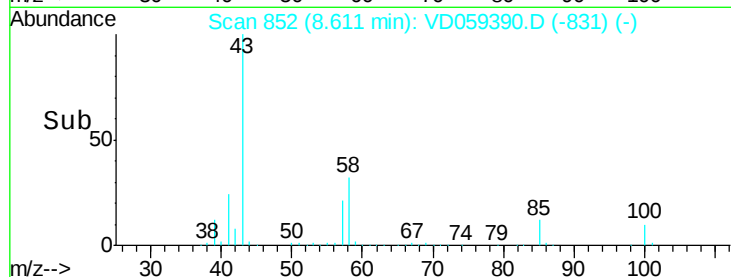
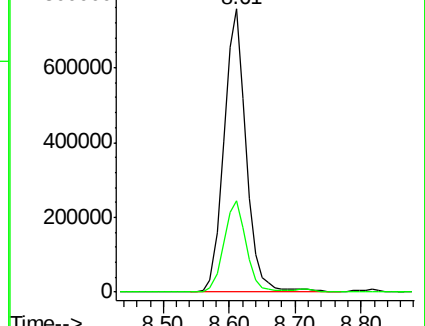
43 100

58 32.2 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: 60.58 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.01 min

Lab File: VD059390.D

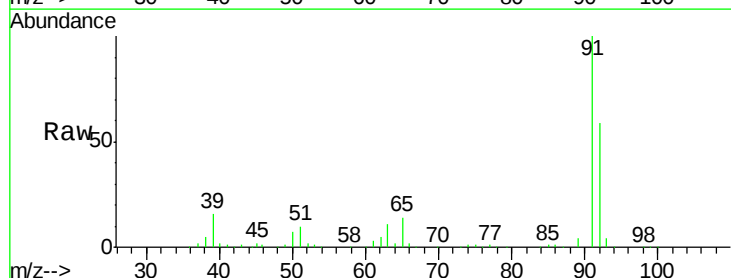
Acq: 25 Jun 2018 1:46

Tgt Ion: 92 Resp: 978719

Ion Ratio Lower Upper

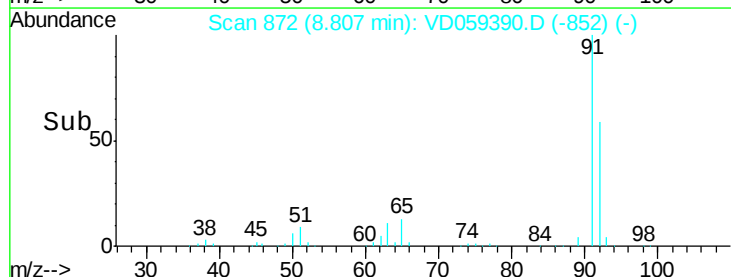
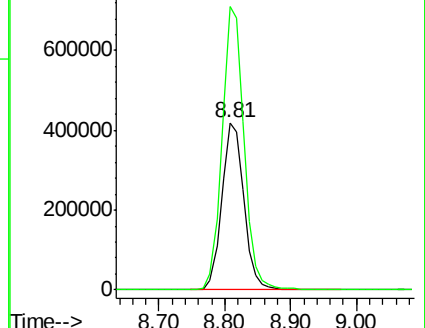
92 100

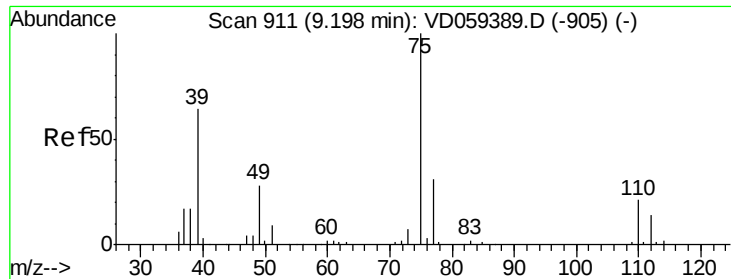
91 169.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

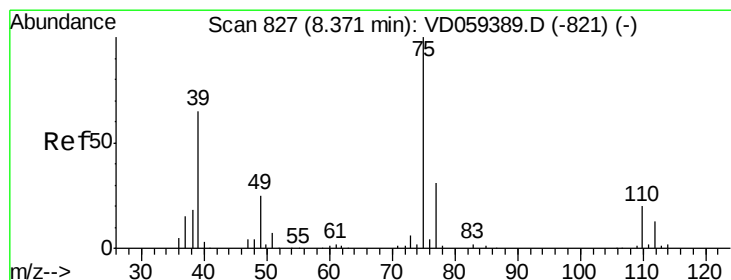
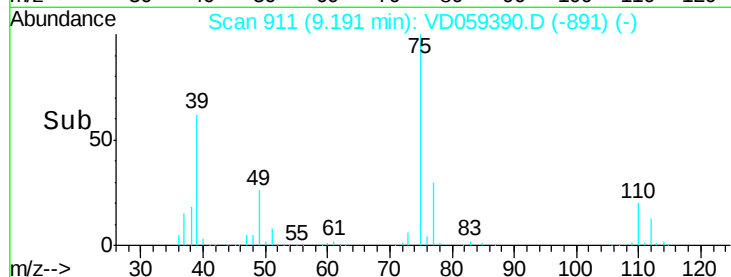
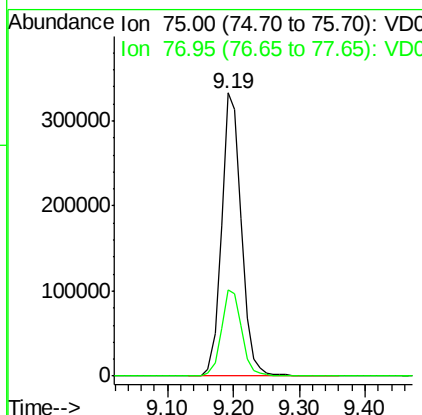
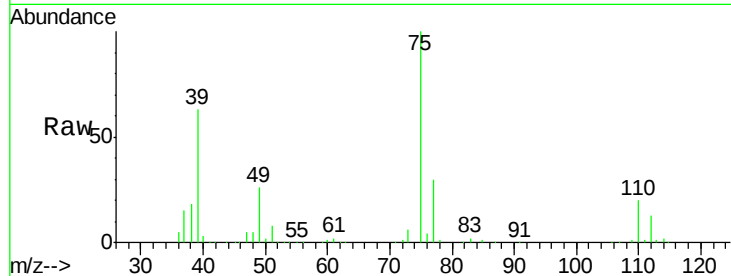




#53
 t-1,3-Dichloropropene
 Concen: 67.91 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

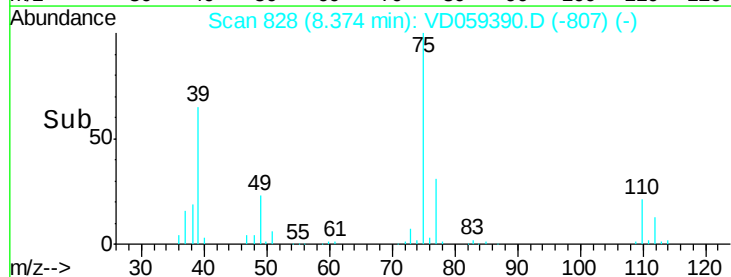
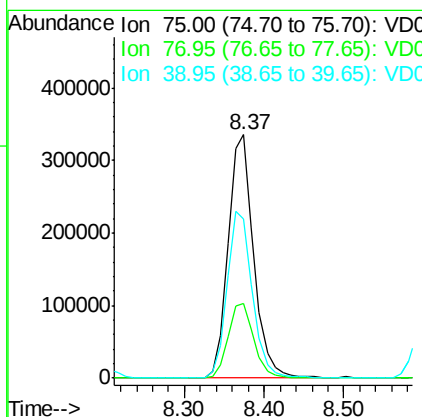
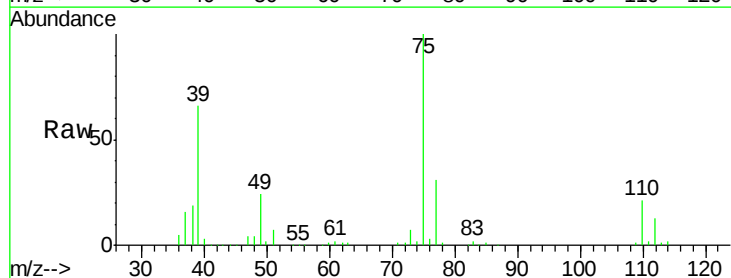
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

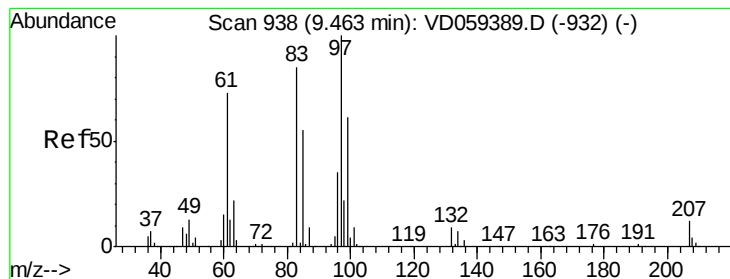
Tot Ion: 75 Resp: 697976
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 63.01 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion: 75 Resp: 753487
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1
 39 65.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 65.08 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 372354

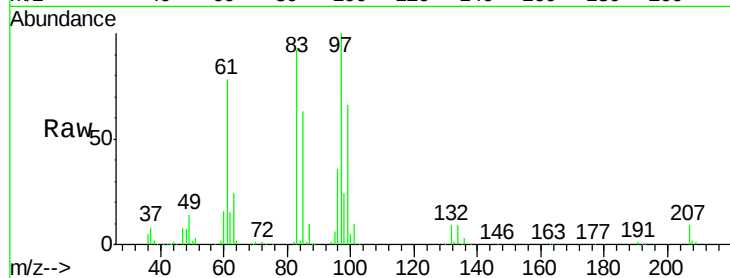
Ion Ratio Lower Upper

97 100

83 91.5 67.7 101.5

85 62.9 44.3 66.5

99 65.6 48.6 73.0

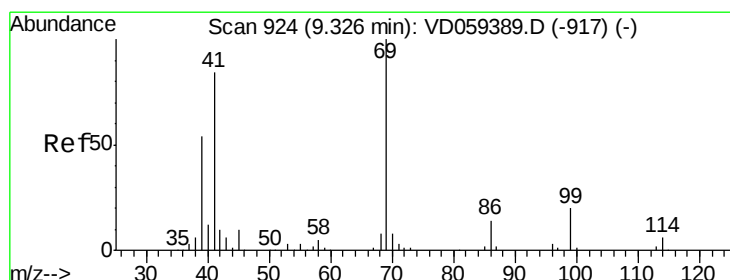
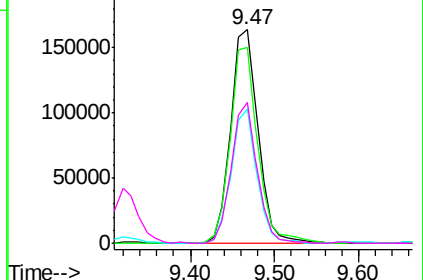
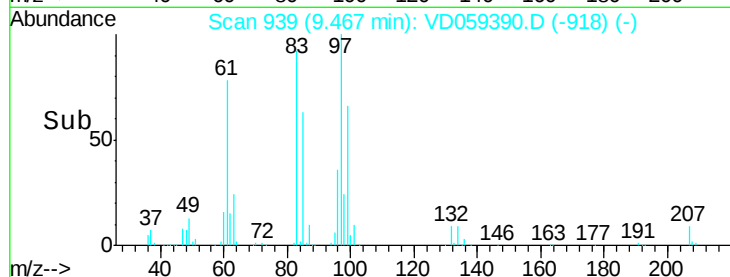


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 63.79 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

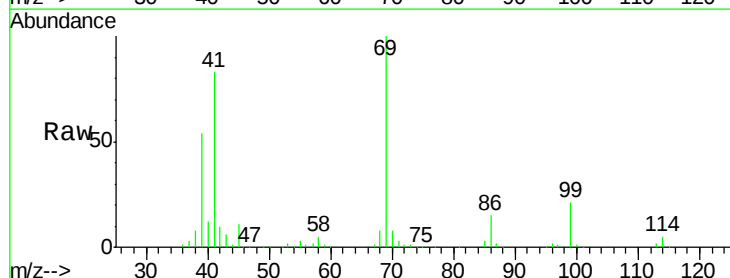
Tgt Ion: 69 Resp: 430164

Ion Ratio Lower Upper

69 100

41 83.3 67.4 101.0

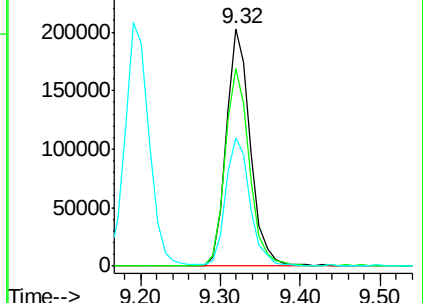
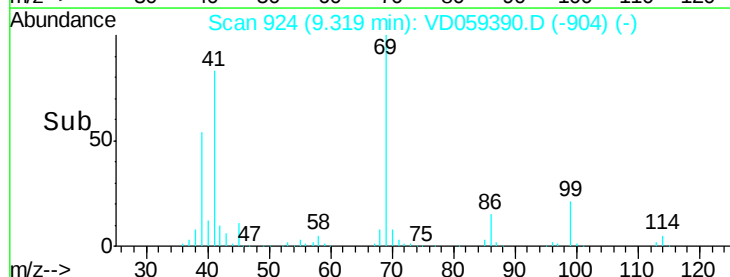
39 54.1 43.7 65.5

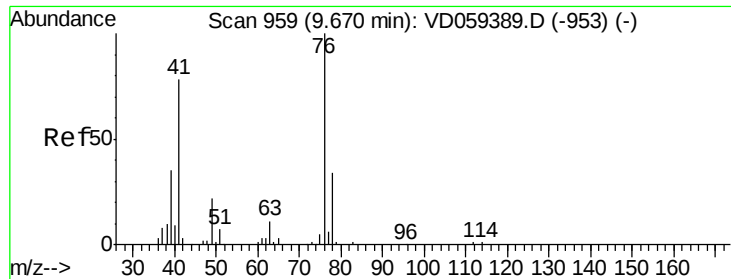


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

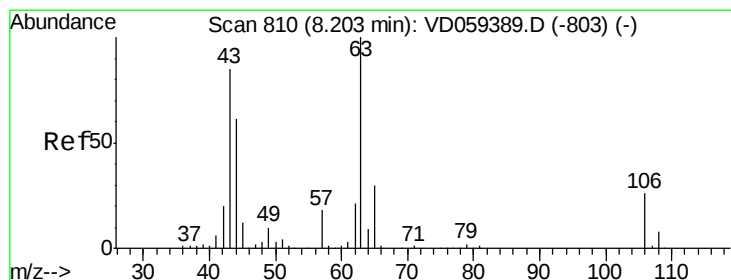
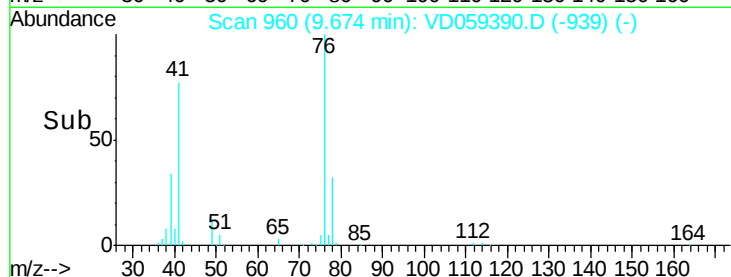
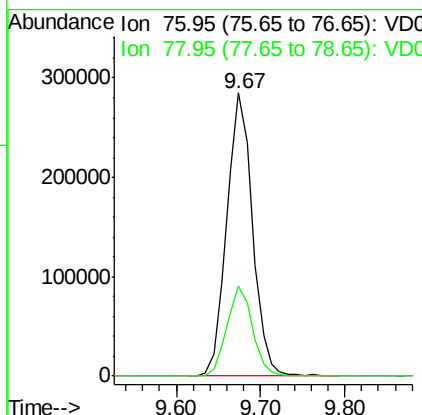
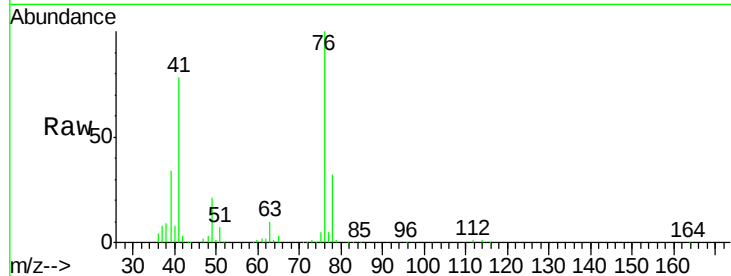




#57
 1,3-Dichloropropane
 Concen: 62.72 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

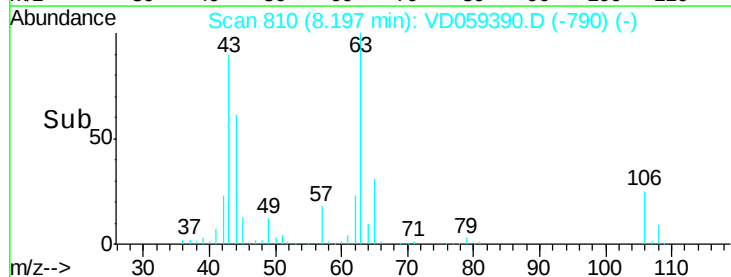
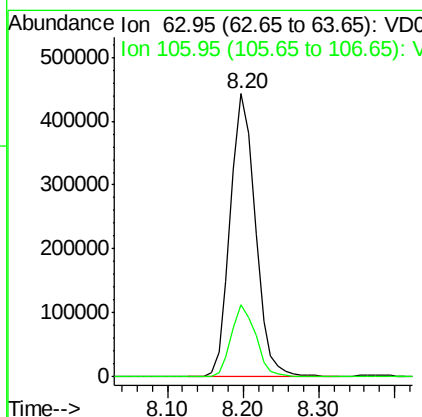
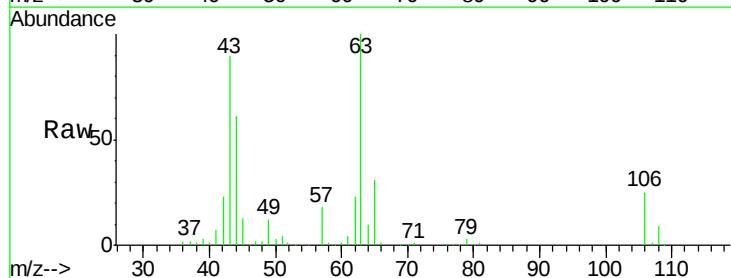
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

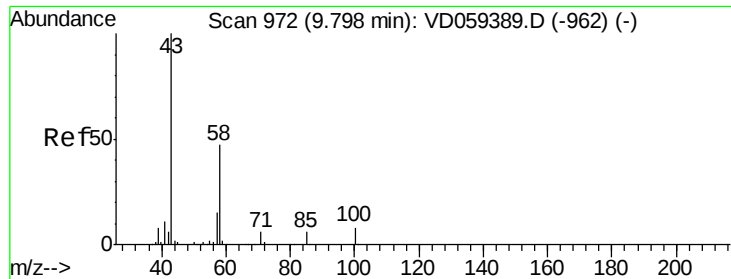
Tot Ion: 76 Resp: 604852
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.33 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion: 63 Resp: 1021245
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.6 31.0

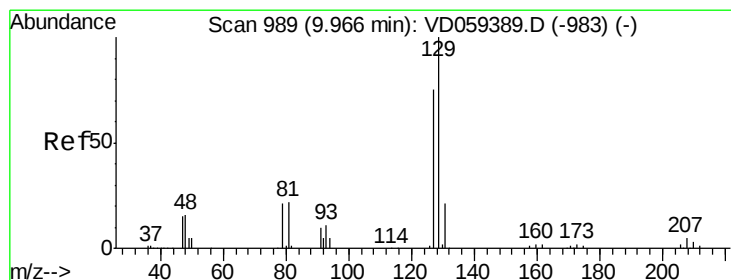
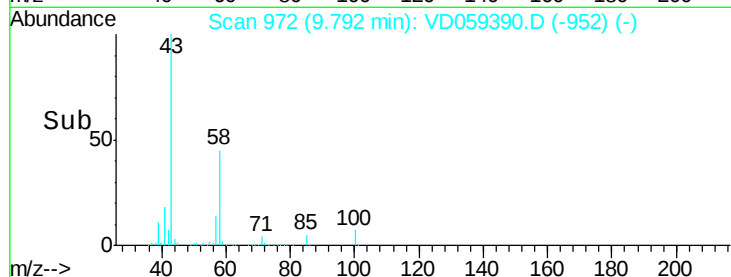
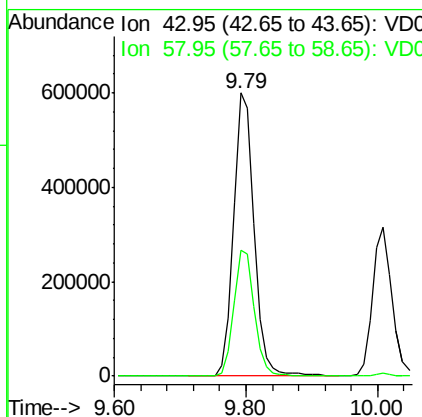
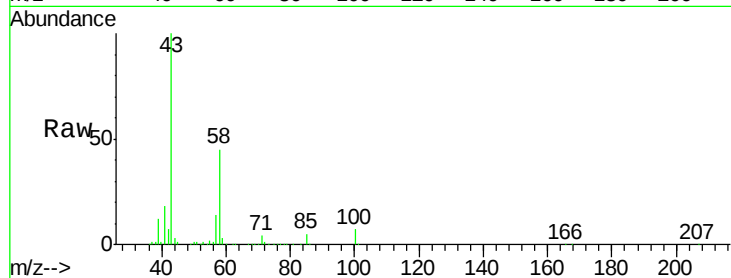




#59
2-Hexanone
Concen: 312.52 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

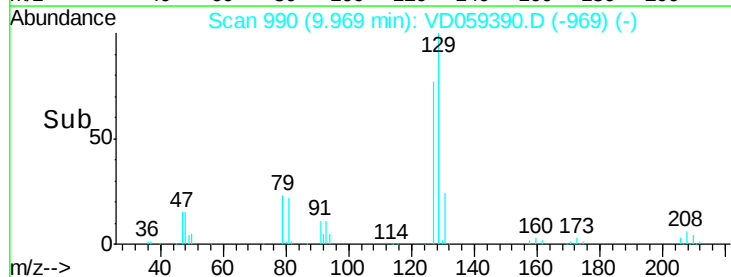
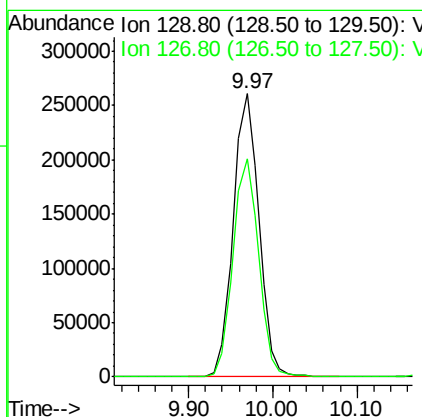
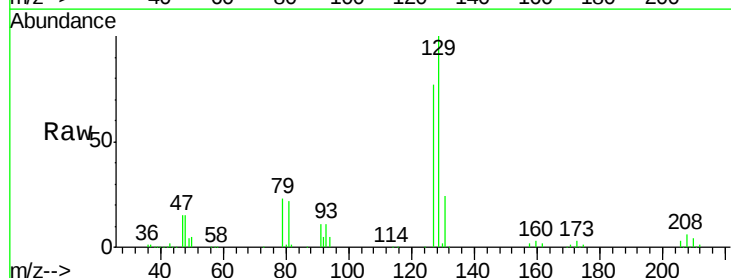
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

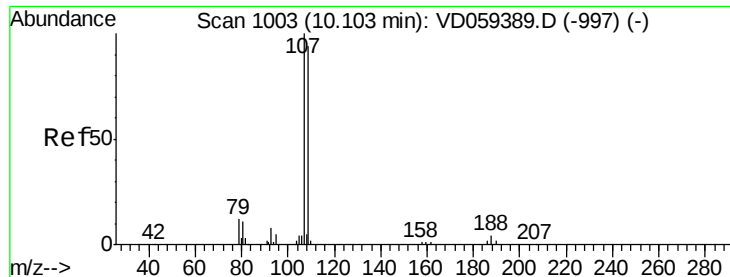
Tot Ion: 43 Resp: 1315032
Ion Ratio Lower Upper
43 100
58 44.6 23.3 69.9



#60
Dibromochloromethane
Concen: 71.41 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 129 Resp: 555704
Ion Ratio Lower Upper
129 100
127 76.9 37.3 111.8





#61

1,2-Dibromoethane

Concen: 67.31 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

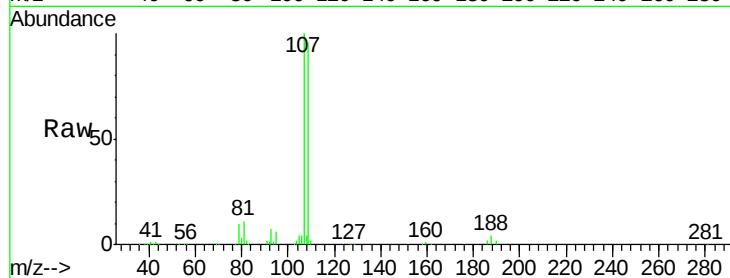
VSTDIC075

Tot Ion:107 Resp: 418769

Ion Ratio Lower Upper

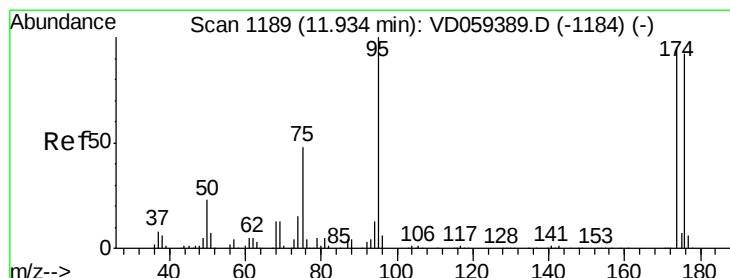
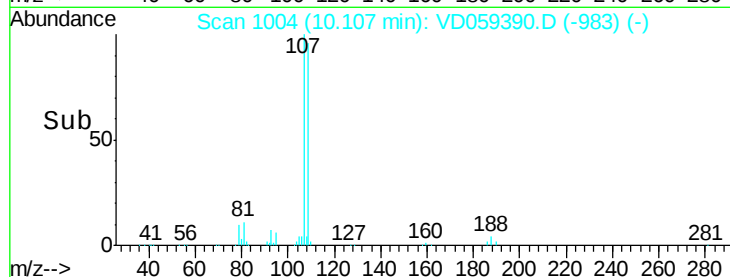
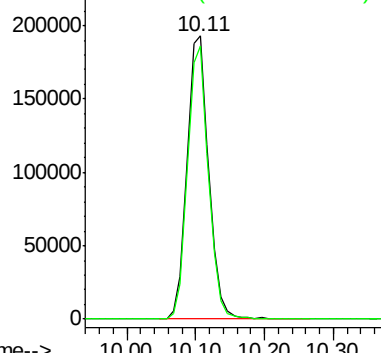
107 100

109 96.4 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: 67.31 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

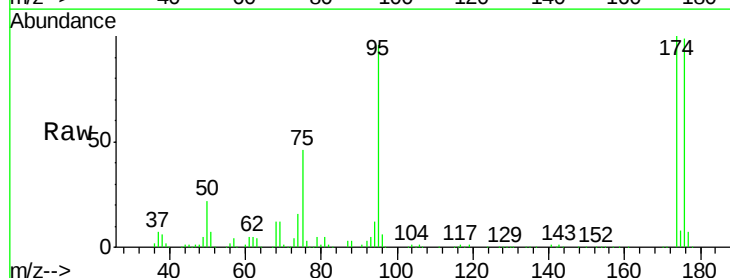
Tgt Ion: 95 Resp: 647216

Ion Ratio Lower Upper

95 100

174 104.4 0.0 190.4

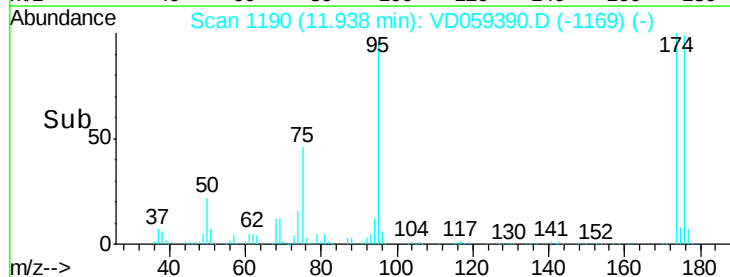
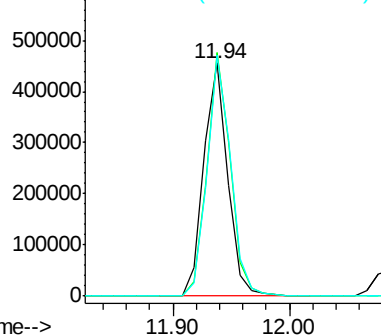
176 103.3 0.0 183.2

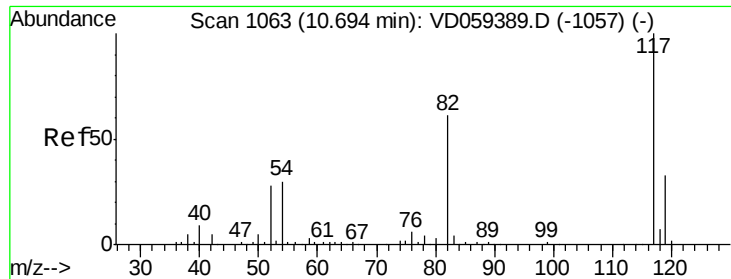


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

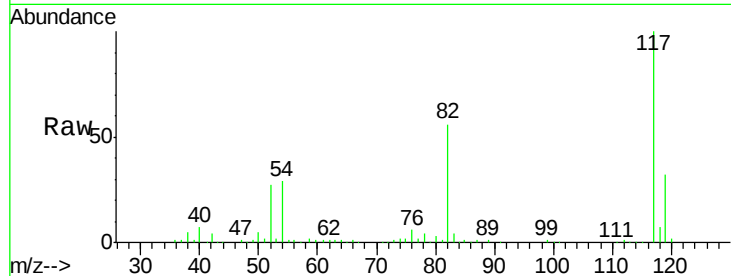




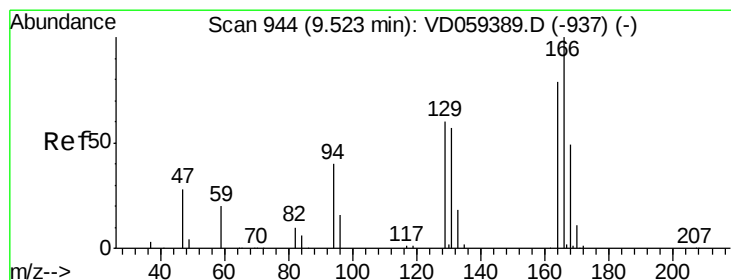
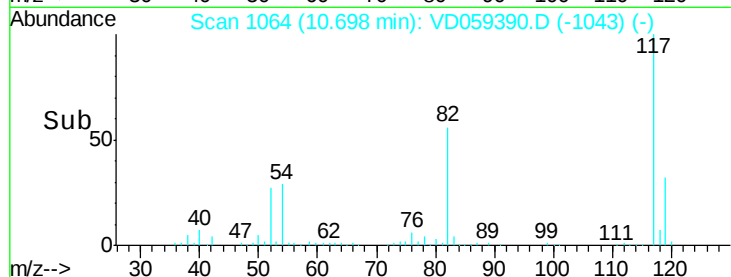
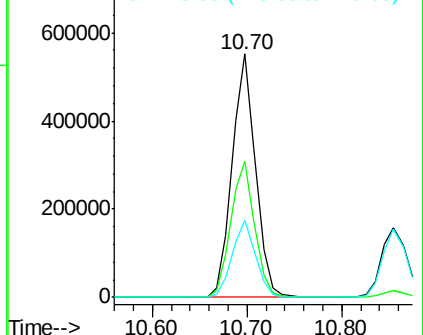
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 945721
Ion Ratio Lower Upper
117 100
82 55.9 49.0 73.6
119 31.8 26.2 39.4

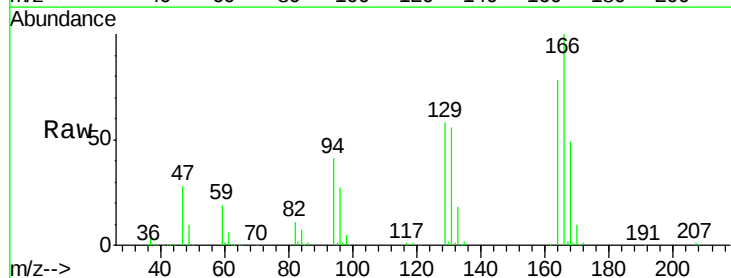


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

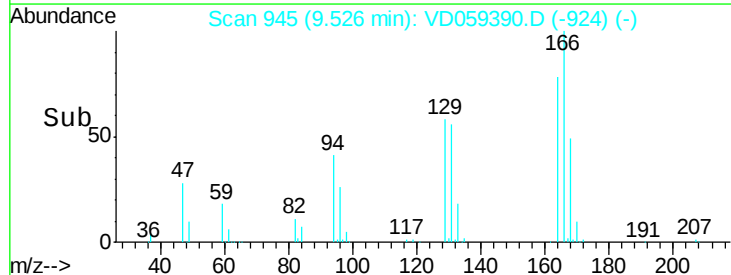
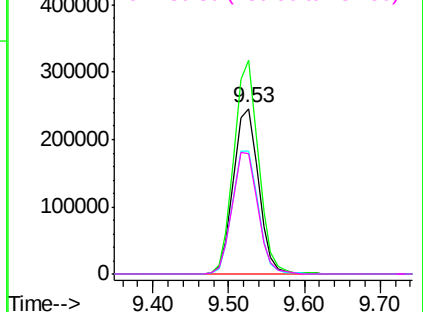


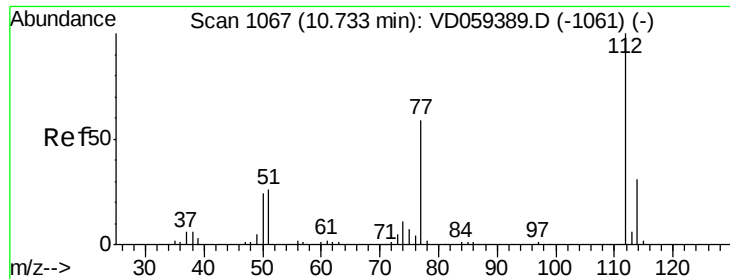
#64
Tetrachloroethene
Concen: 71.16 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion:164 Resp: 565875
Ion Ratio Lower Upper
164 100
166 128.9 101.4 152.2
129 74.6 60.9 91.3
131 72.8 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: 64.02 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

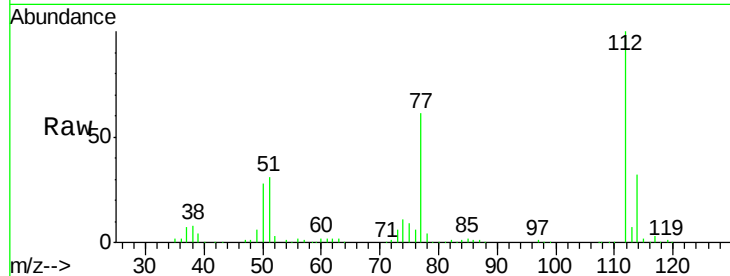
VSTDIC075

Tot Ion:112 Resp: 1125830

Ion Ratio Lower Upper

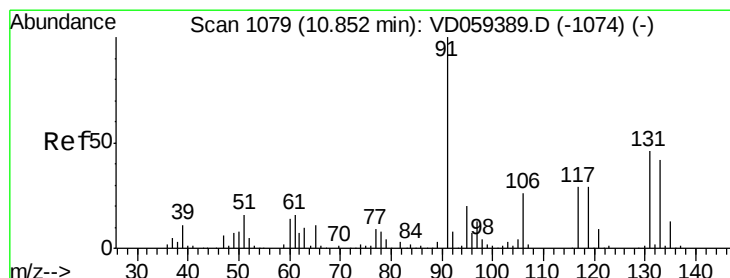
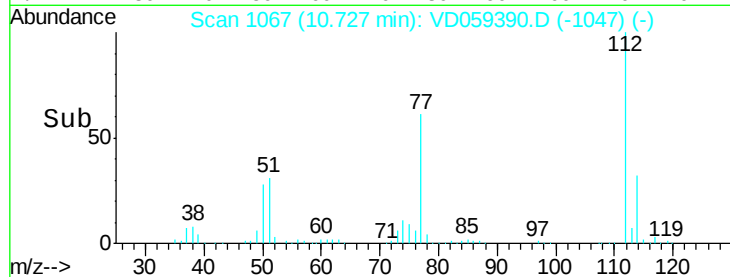
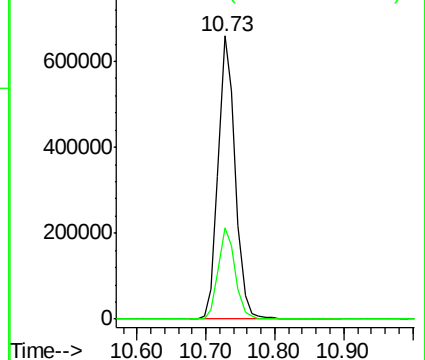
112 100

114 32.4 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: 66.73 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

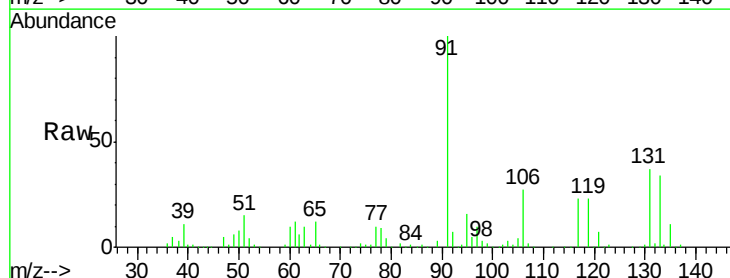
Tgt Ion:131 Resp: 456891

Ion Ratio Lower Upper

131 100

133 93.3 45.7 137.1

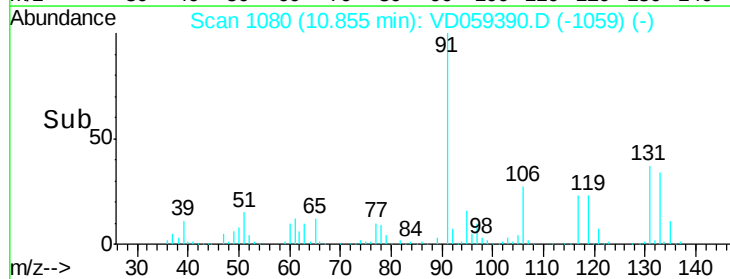
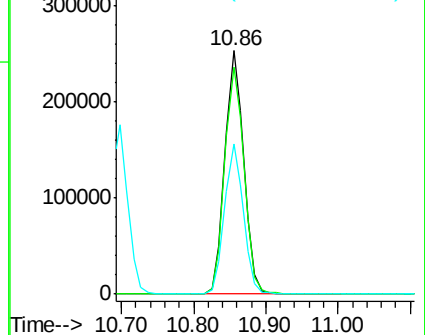
119 61.4 32.3 96.9

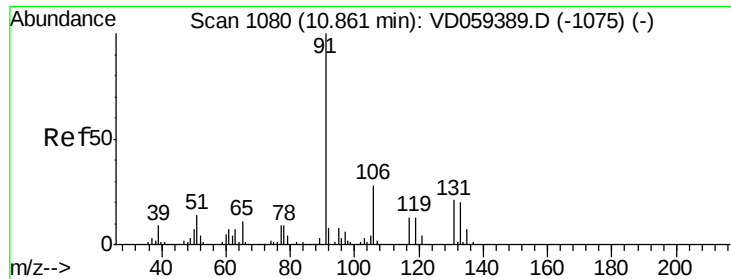


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 59.68 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

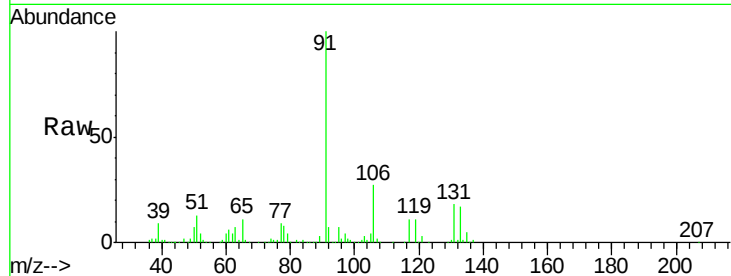
VSTDIC075

Tot Ion: 91 Resp: 1855757

Ion Ratio Lower Upper

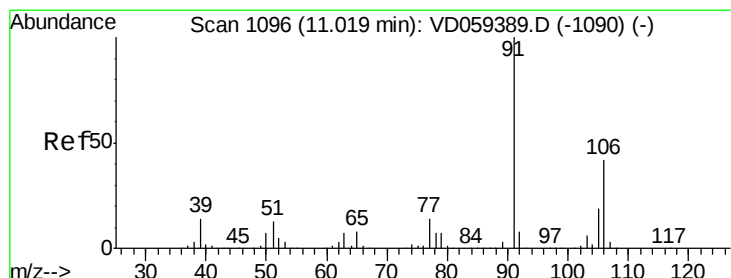
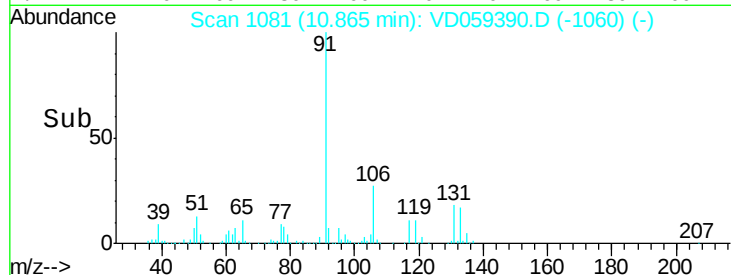
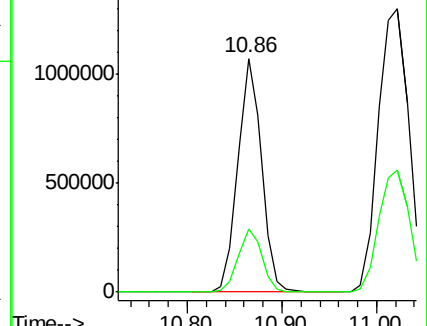
91 100

106 26.8 22.3 33.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 122.94 ug/l

RT: 11.02 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VD059390.D

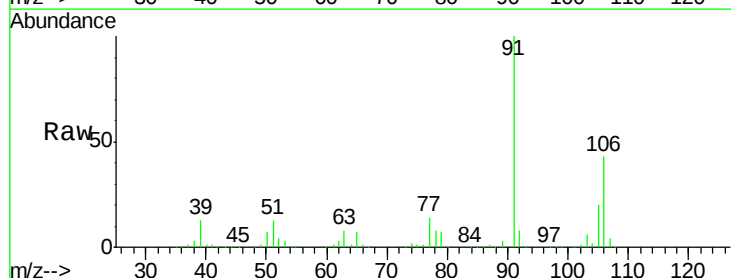
Acq: 25 Jun 2018 1:46

Tgt Ion: 106 Resp: 1269742

Ion Ratio Lower Upper

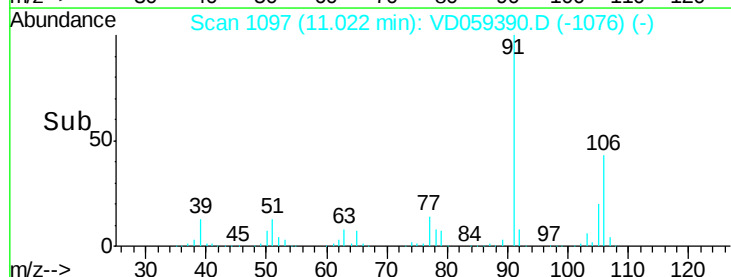
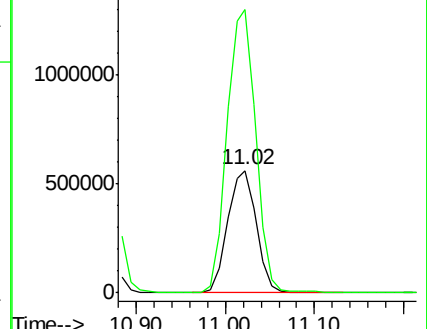
106 100

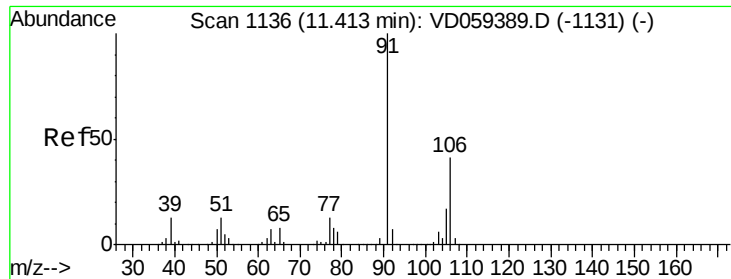
91 231.9 191.0 286.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

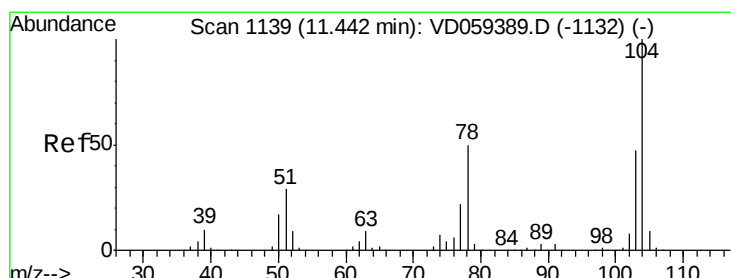
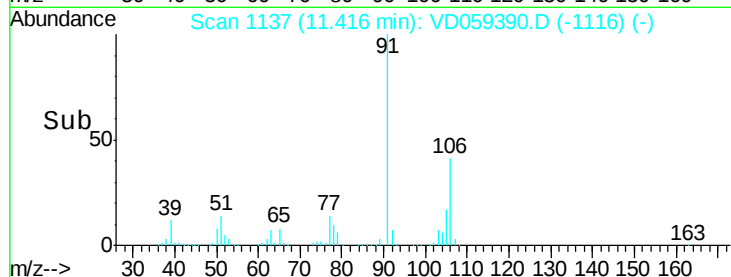
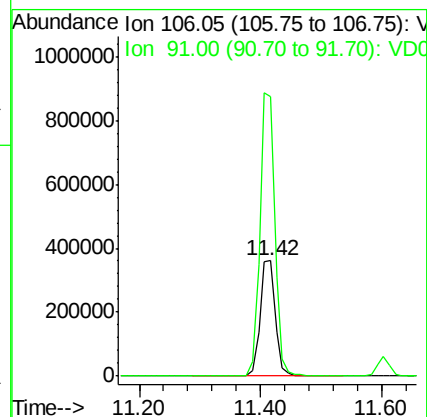
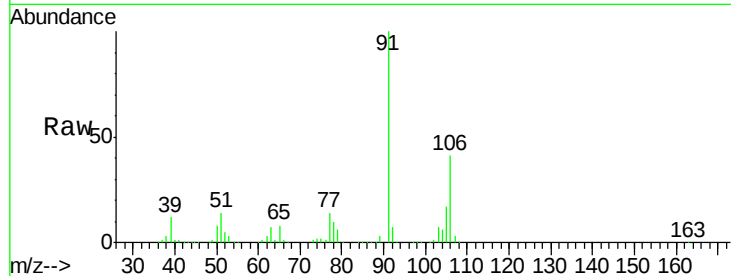




#69
o-Xylene
Concen: 62.57 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

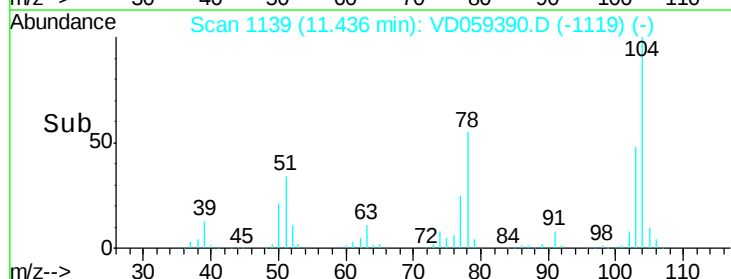
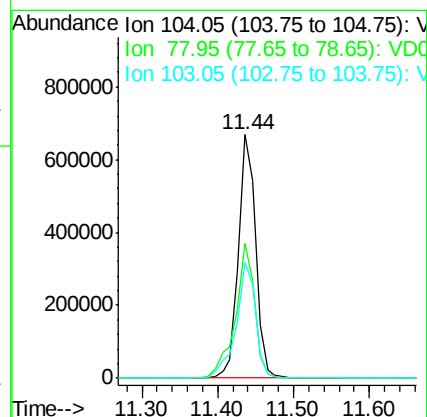
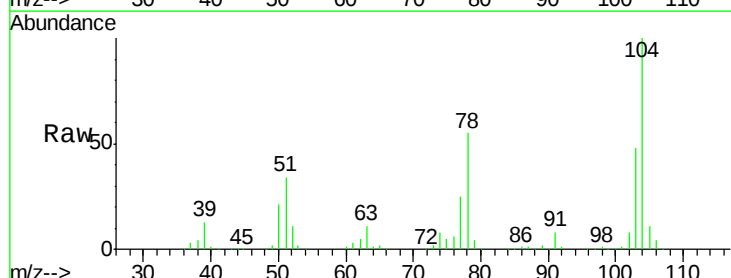
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

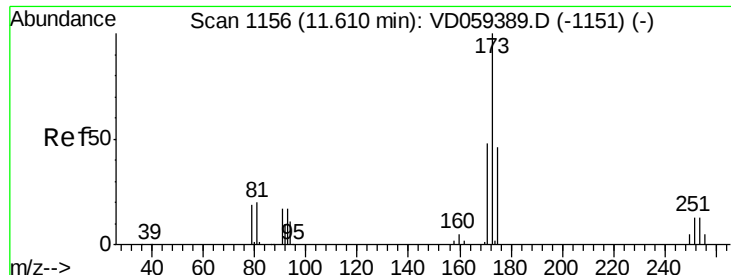
Tot Ion:106 Resp: 624724
Ion Ratio Lower Upper
106 100
91 243.0 121.0 362.8



#70
Styrene
Concen: 61.48 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion:104 Resp: 1045218
Ion Ratio Lower Upper
104 100
78 55.5 40.2 60.4
103 47.7 37.8 56.8





#71

Bromoform

Concen: 78.64 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

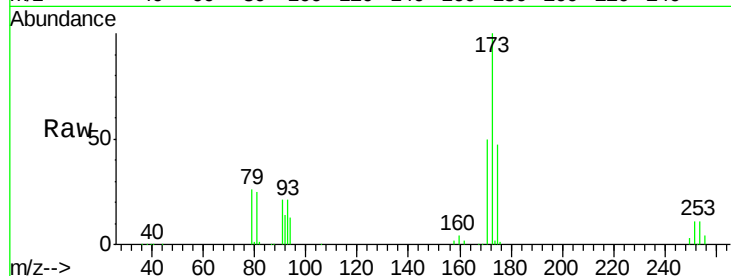
Tot Ion:173 Resp: 424652

Ion Ratio Lower Upper

173 100

175 46.7 22.8 68.4

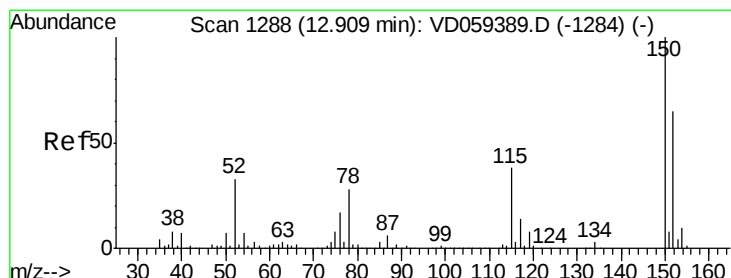
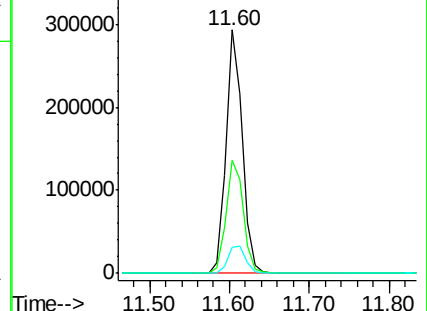
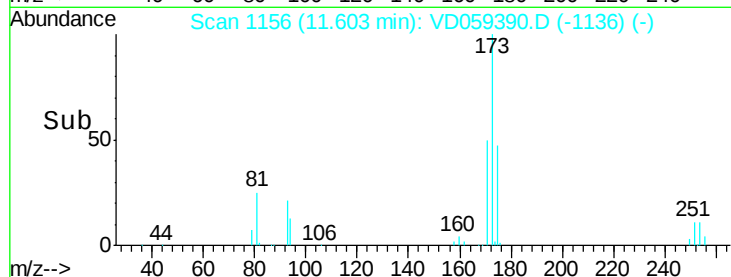
254 10.5 10.1 15.1



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: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

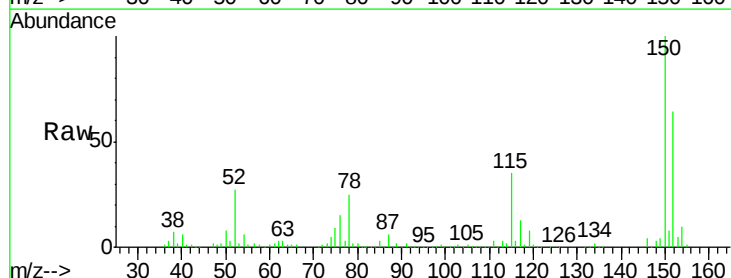
Tgt Ion:152 Resp: 491760

Ion Ratio Lower Upper

152 100

115 54.2 29.4 88.3

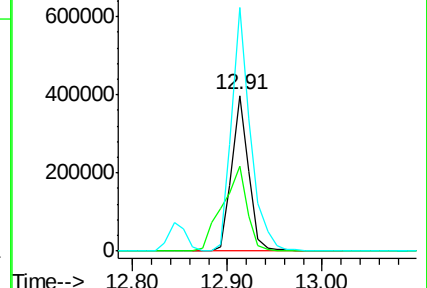
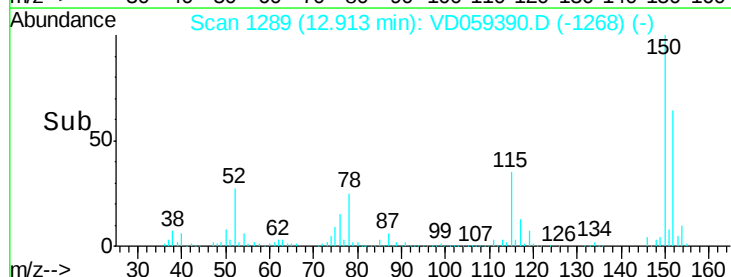
150 156.3 0.0 308.2

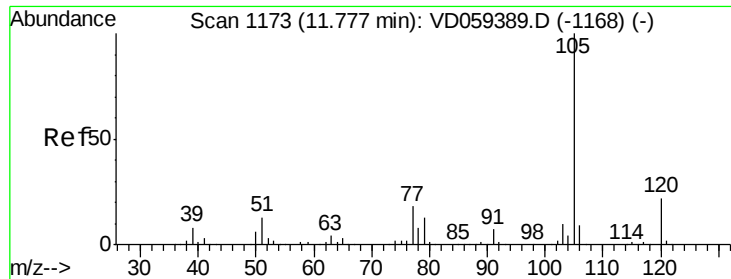


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 62.08 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

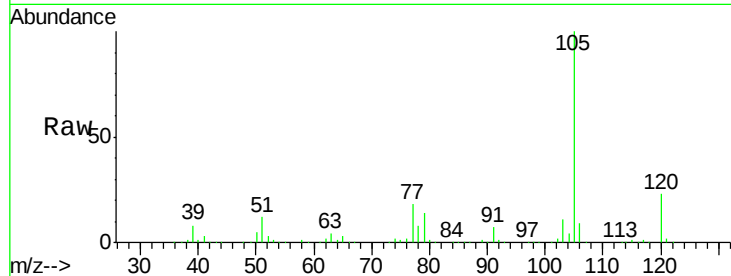
VSTDIC075

Tot Ion:105 Resp: 1810579

Ion Ratio Lower Upper

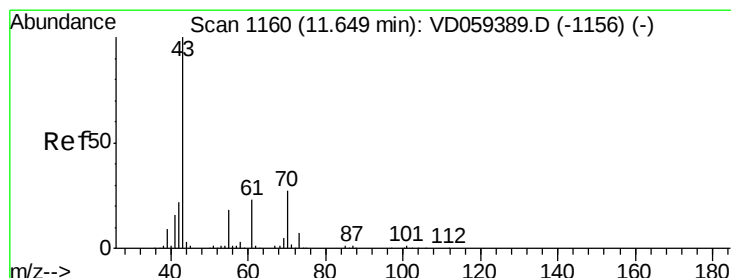
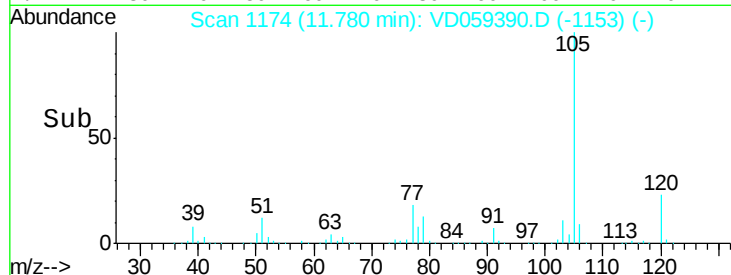
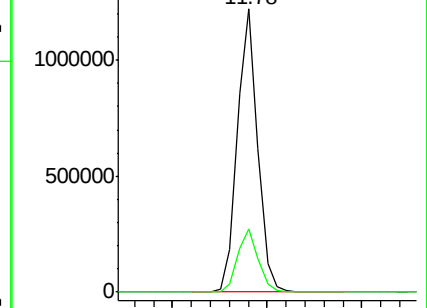
105 100

120 22.5 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: 65.14 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Tgt Ion: 43 Resp: 716846

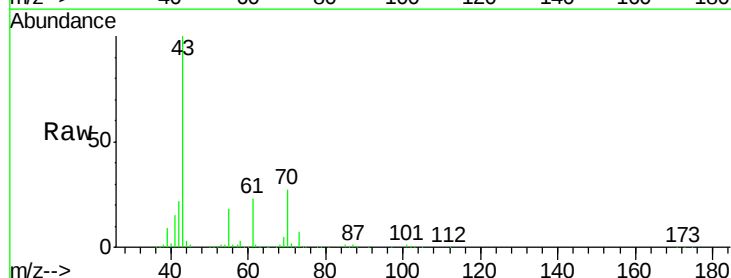
Ion Ratio Lower Upper

43 100

70 26.7 21.7 32.5

55 17.9 14.6 22.0

61 23.1 18.0 27.0

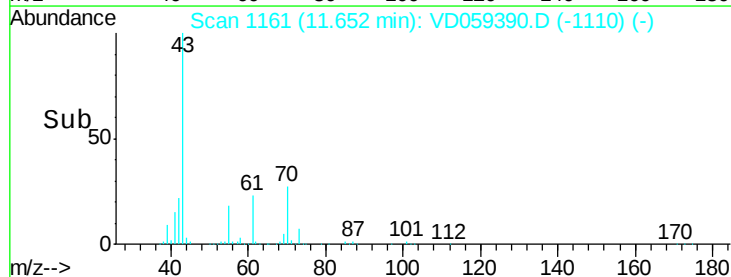
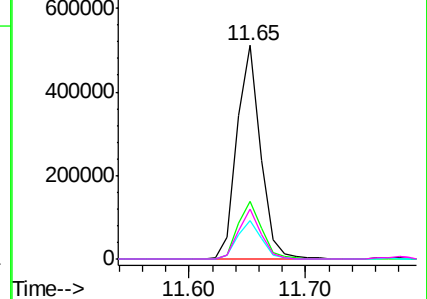


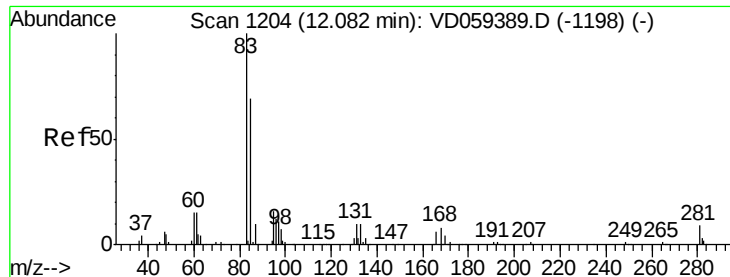
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 65.43 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

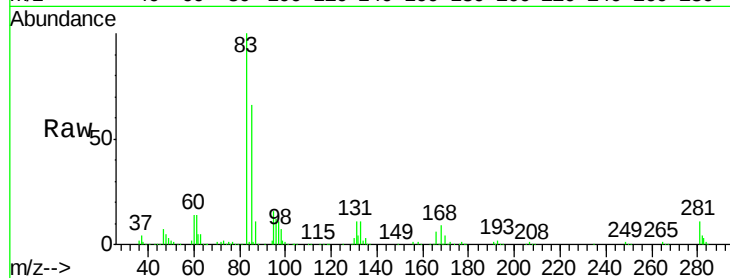
Tot Ion: 83 Resp: 437917

Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.6

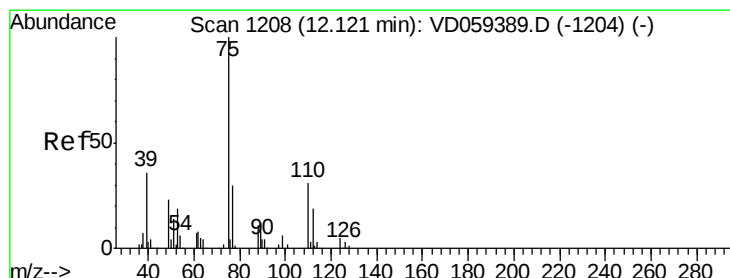
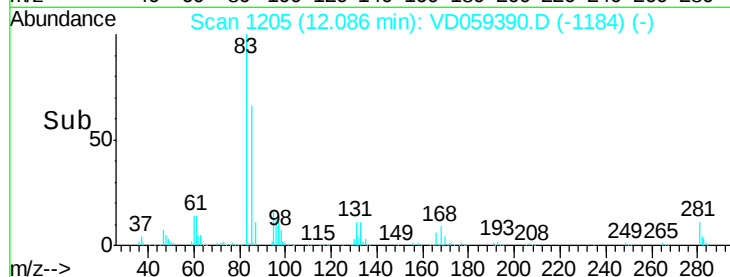
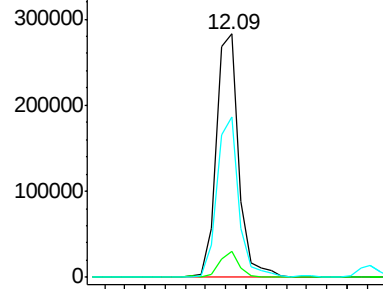
85 66.1 34.6 103.8



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: 65.57 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059390.D

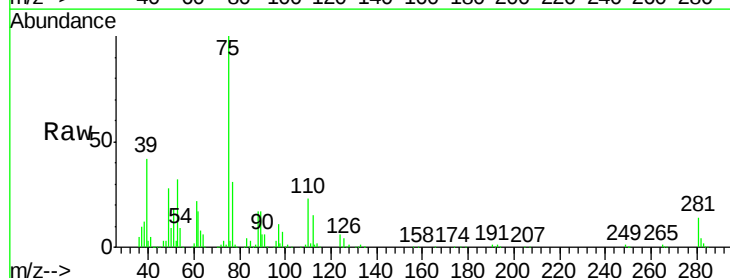
Acq: 25 Jun 2018 1:46

Tgt Ion: 75 Resp: 460396

Ion Ratio Lower Upper

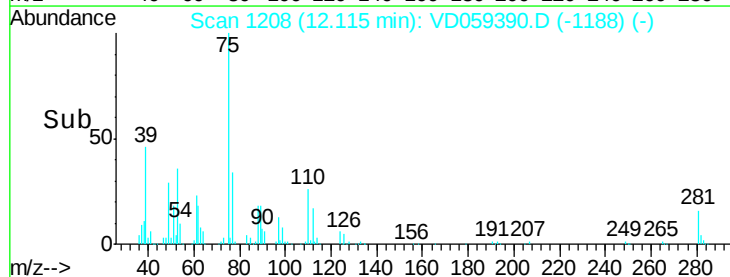
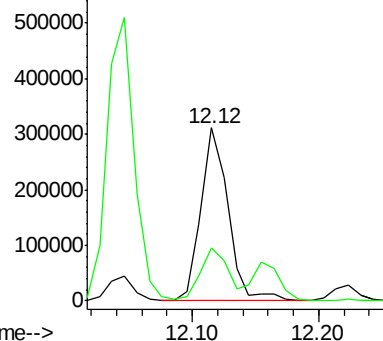
75 100

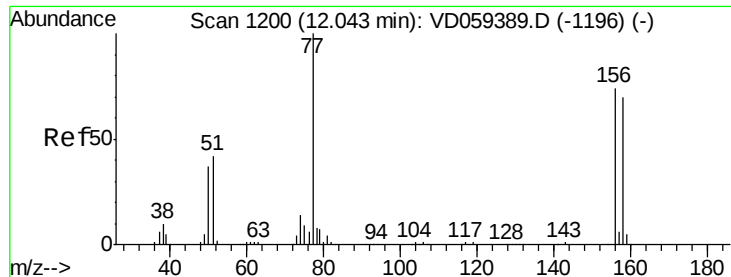
77 31.0 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 68.76 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

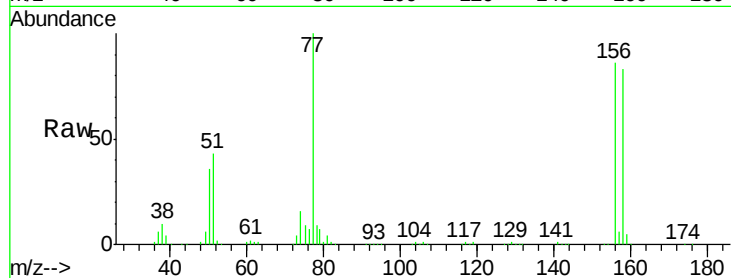
Tot Ion:156 Resp: 602995

Ion Ratio Lower Upper

156 100

77 115.9 68.0 203.8

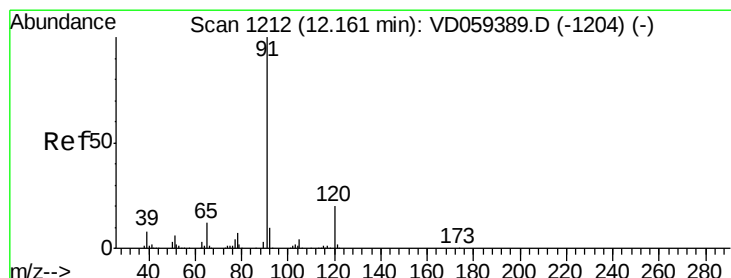
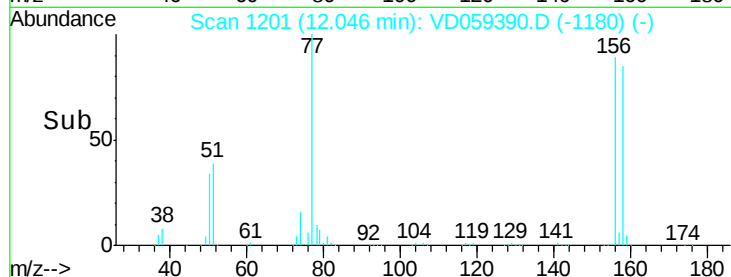
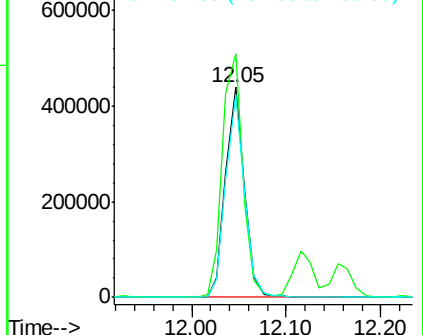
158 96.2 47.7 143.1



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: 64.22 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059390.D

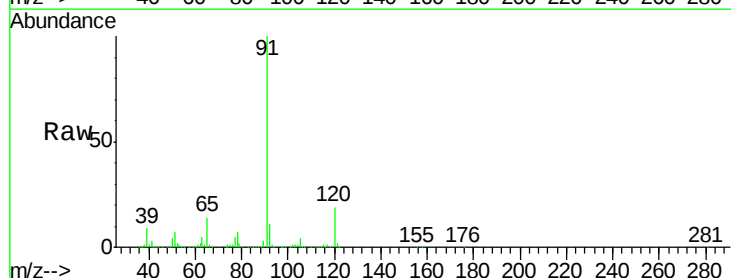
Acq: 25 Jun 2018 1:46

Tgt Ion: 91 Resp: 2402948

Ion Ratio Lower Upper

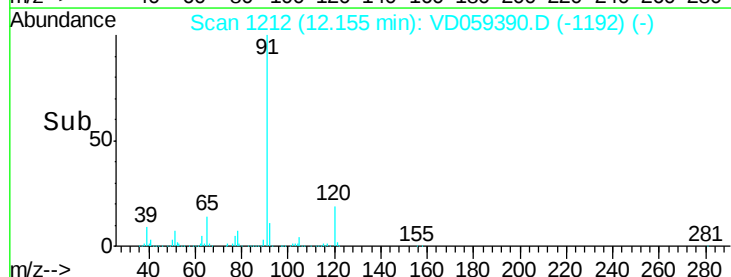
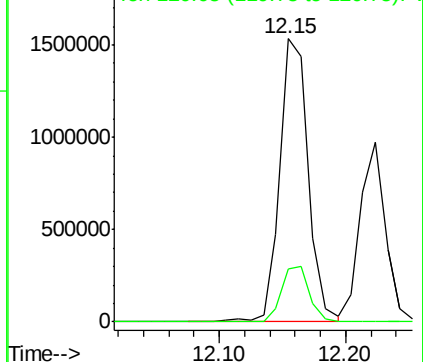
91 100

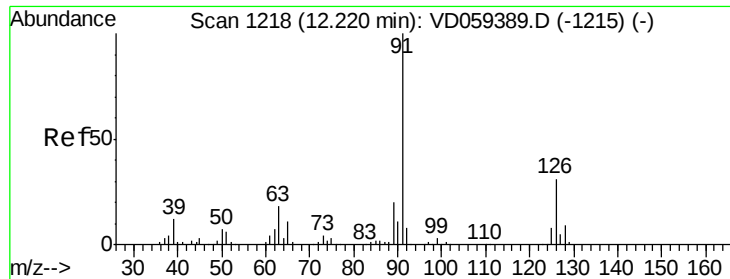
120 18.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

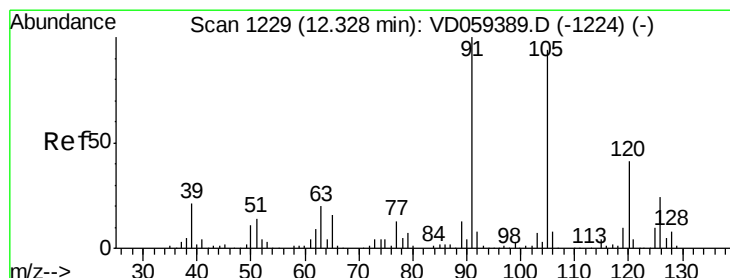
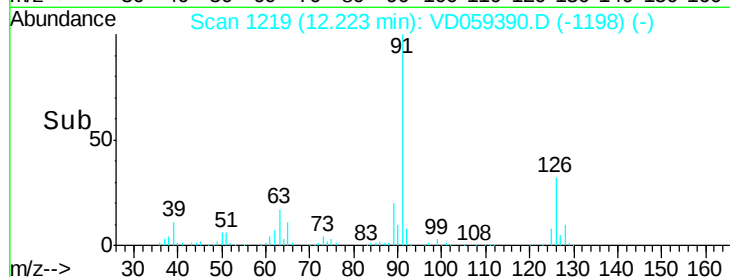
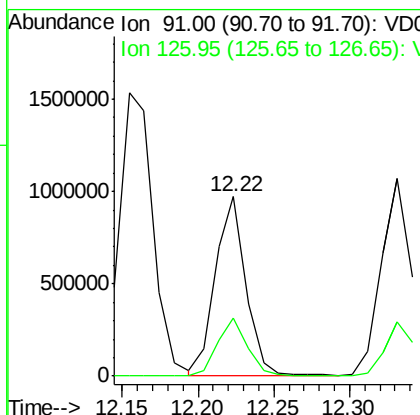
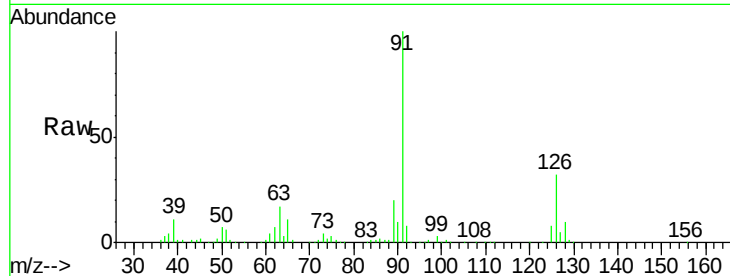




#79
2-Chlorotoluene
Concen: 63.39 ug/l
RT: 12.22 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

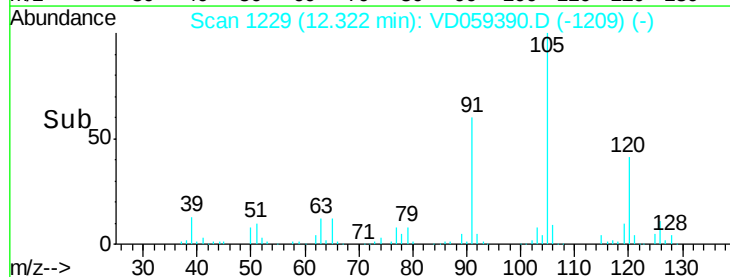
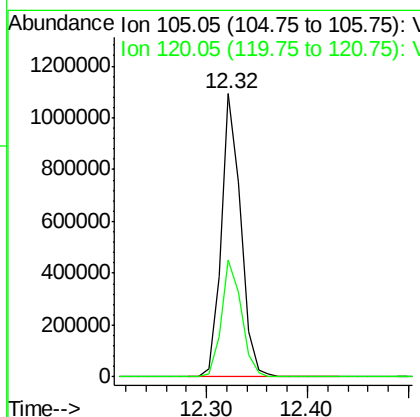
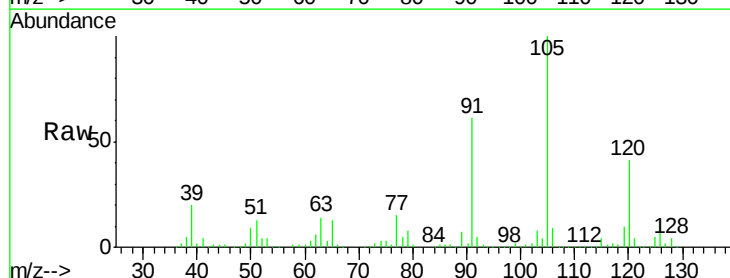
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

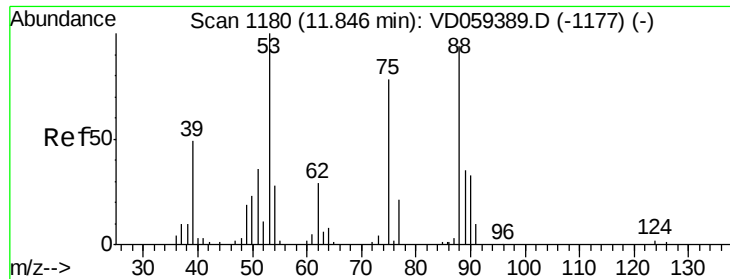
Tot Ion: 91 Resp: 1361340
Ion Ratio Lower Upper
91 100
126 32.4 15.2 45.5



#80
1,3,5-Trimethylbenzene
Concen: 64.67 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion:105 Resp: 1463628
Ion Ratio Lower Upper
105 100
120 41.5 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 68.61 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

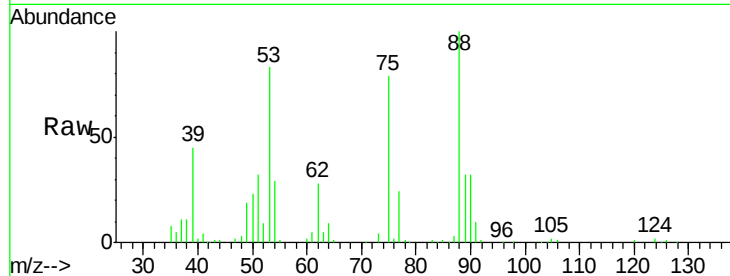
Tot Ion: 75 Resp: 115133

Ion Ratio Lower Upper

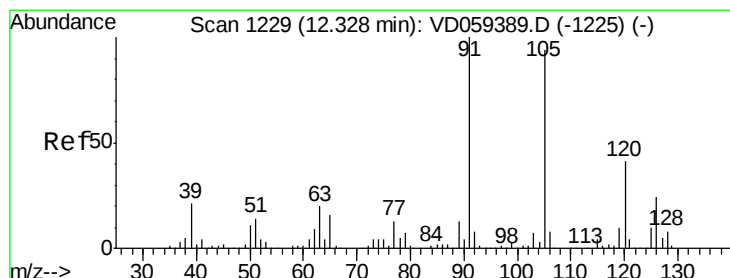
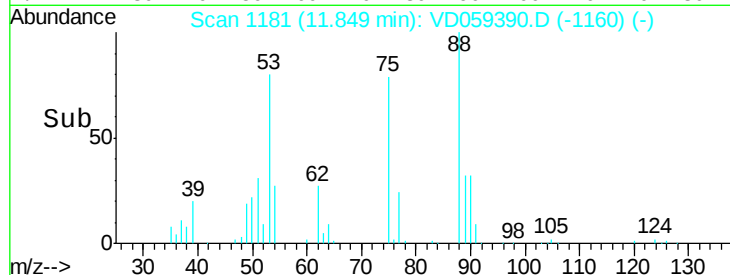
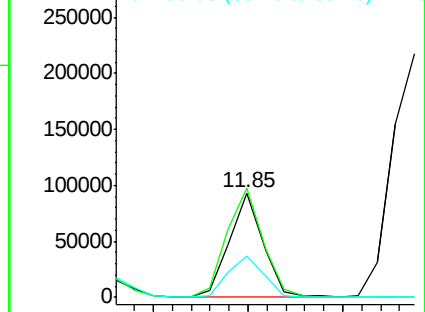
75 100

53 104.3 102.6 154.0

89 40.1 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: 61.99 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059390.D

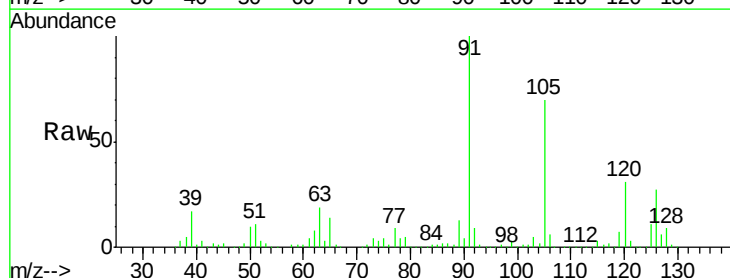
Acq: 25 Jun 2018 1:46

Tgt Ion: 91 Resp: 1494158

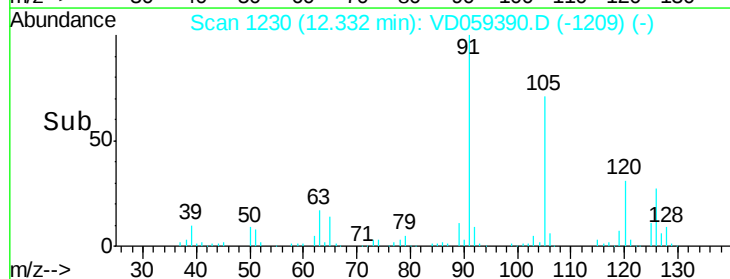
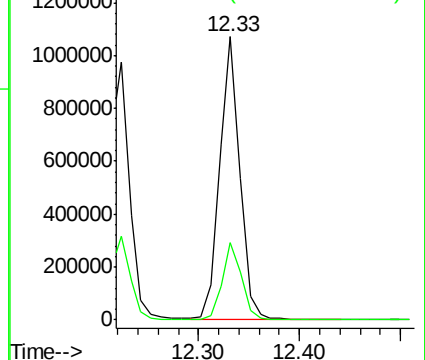
Ion Ratio Lower Upper

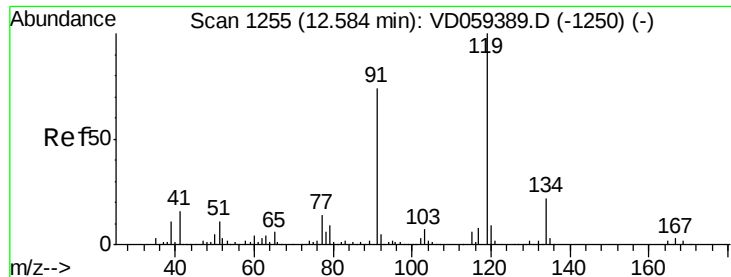
91 100

126 27.2 12.2 36.6



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



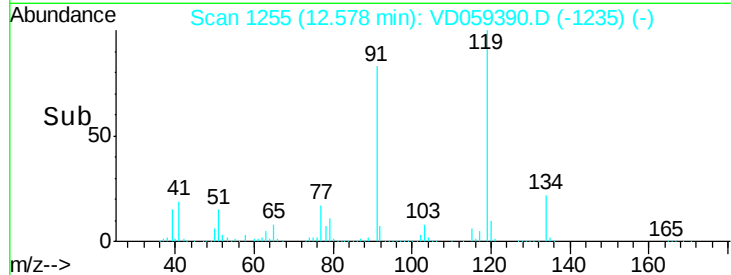
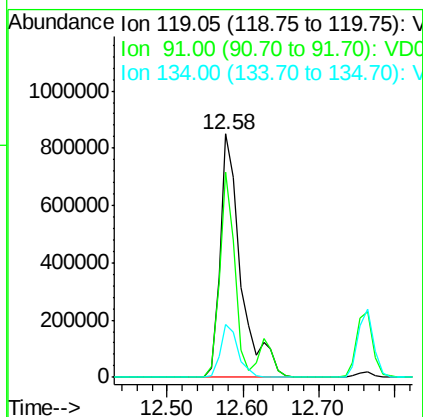
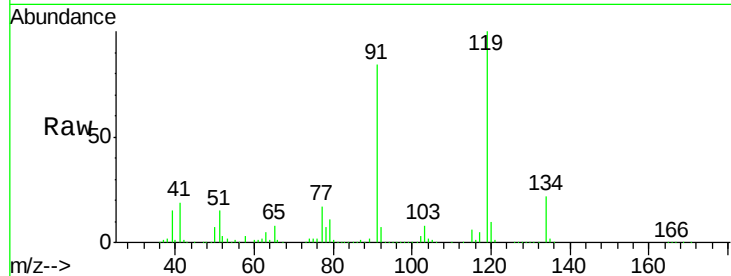


#83
 tert-Butylbenzene
 Concen: 63.03 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:119 Resp: 1633011

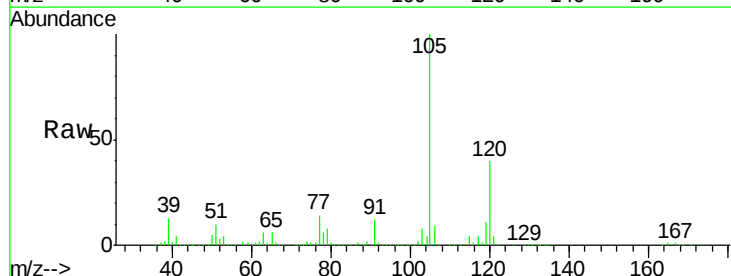
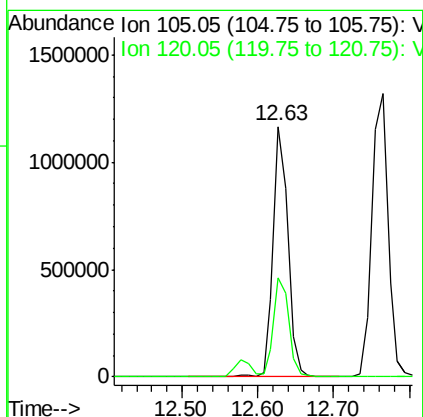
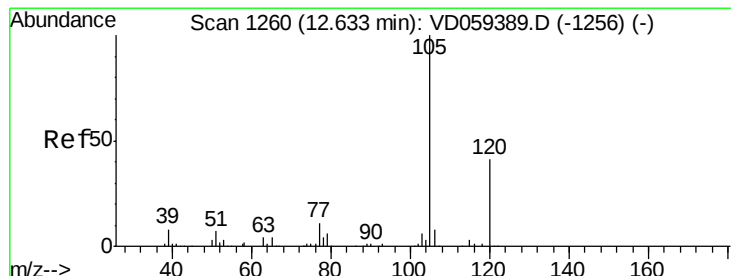
Ion	Ratio	Lower	Upper
119	100		
91	84.1	36.9	110.7
134	21.7	11.2	33.6

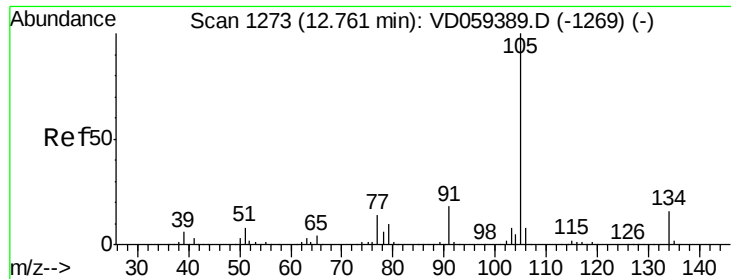


#84
 1,2,4-Trimethylbenzene
 Concen: 64.03 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion:105 Resp: 1579154

Ion	Ratio	Lower	Upper
105	100		
120	39.6	21.5	64.5





#85

sec-Butylbenzene

Concen: 63.73 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleID :

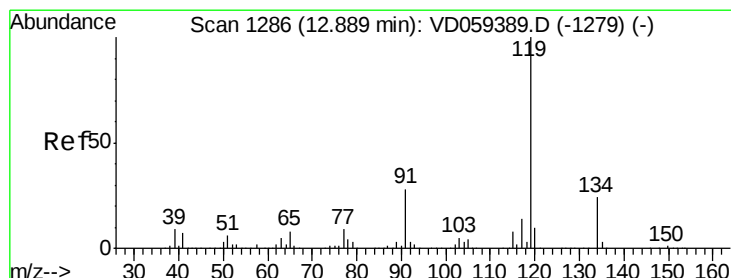
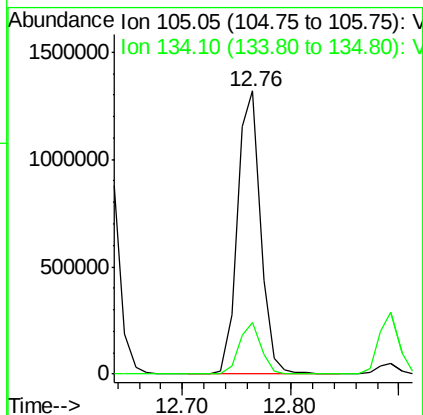
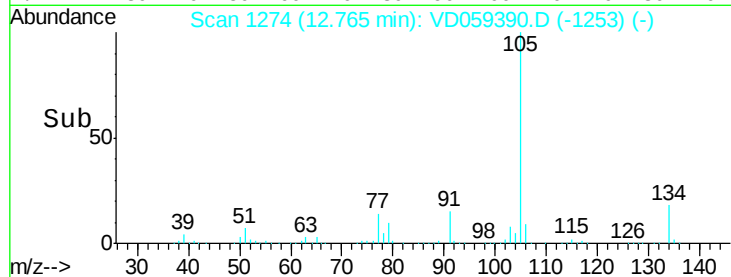
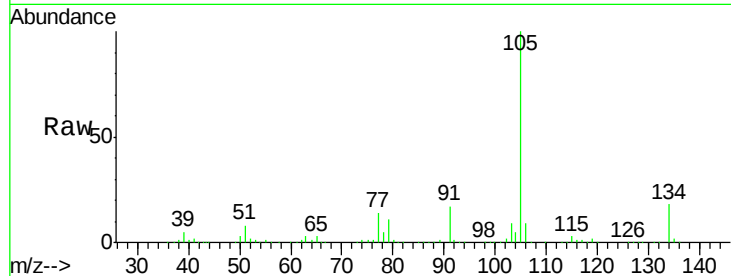
VSTDIC075

Tot Ion:105 Resp: 1942086

Ion Ratio Lower Upper

105 100

134 18.1 8.2 24.6



#86

p-Isopropyltoluene

Concen: 63.92 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

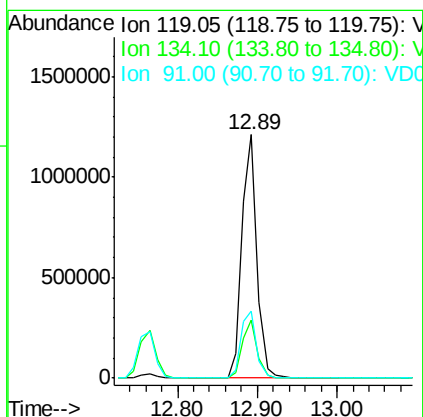
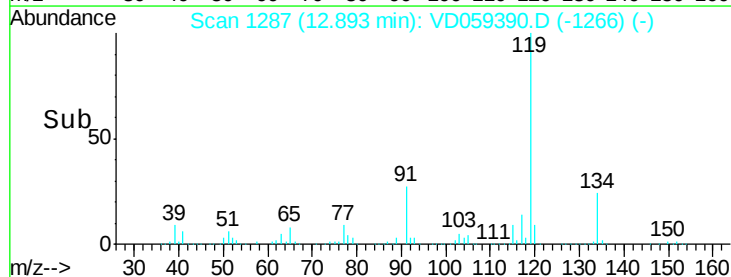
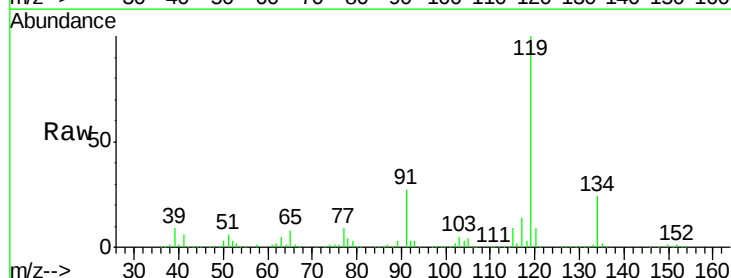
Tgt Ion:119 Resp: 1582580

Ion Ratio Lower Upper

119 100

134 23.8 11.9 35.5

91 27.4 14.1 42.4

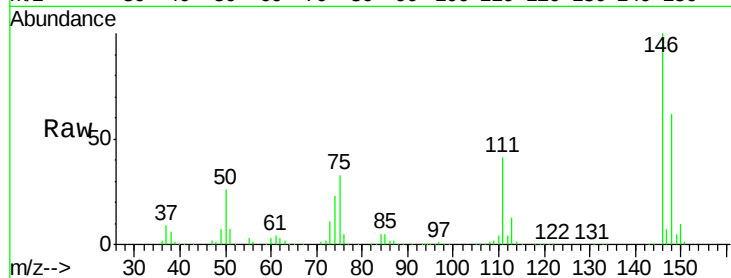




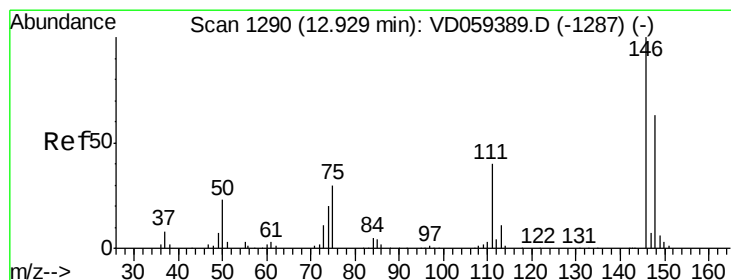
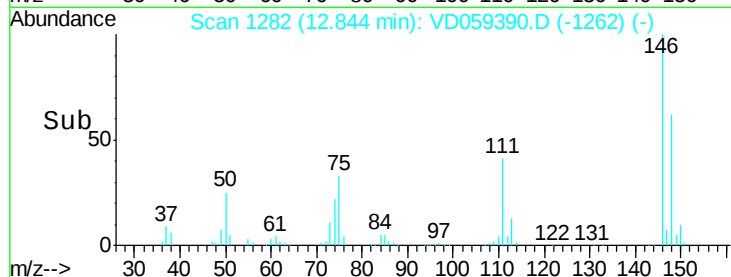
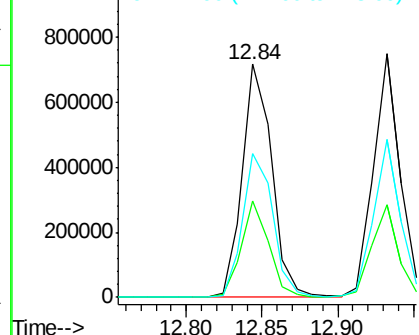
#87
 1,3-Dichlorobenzene
 Concen: 64.29 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 971478
 Ion Ratio Lower Upper
 146 100
 111 41.1 17.6 52.8
 148 61.8 32.4 97.2

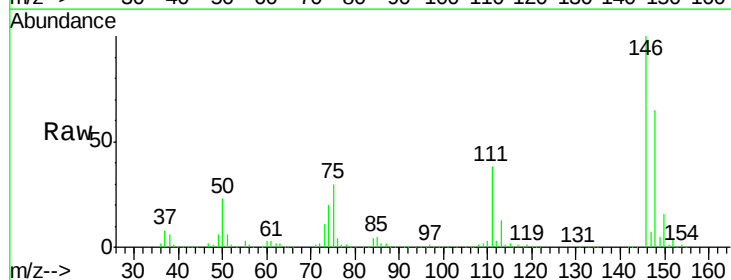


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

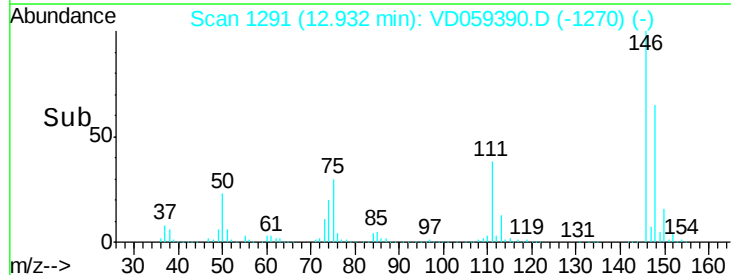
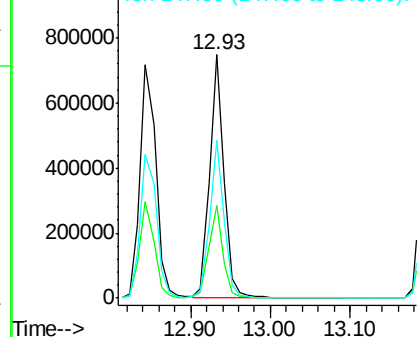


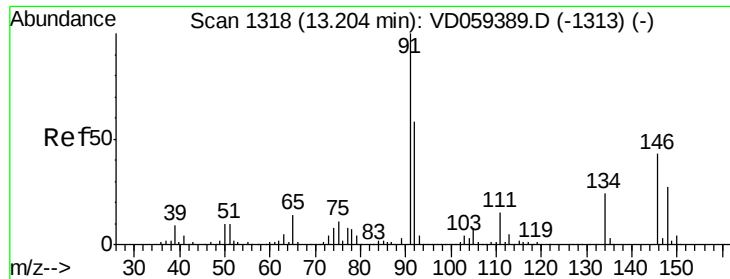
#88
 1,4-Dichlorobenzene
 Concen: 63.23 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion:146 Resp: 932879
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.1 60.2
 148 65.0 31.4 94.0



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

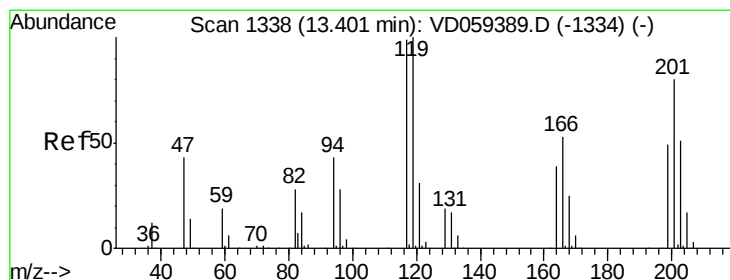
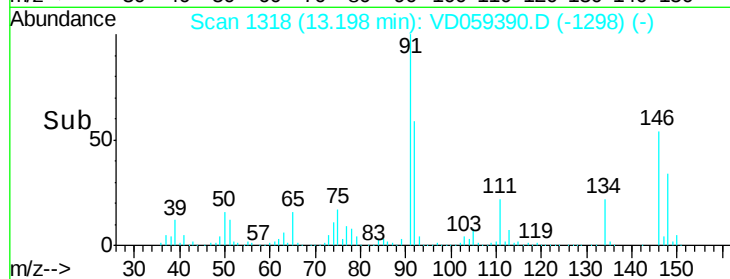
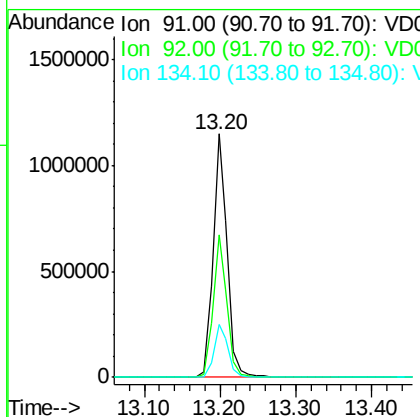
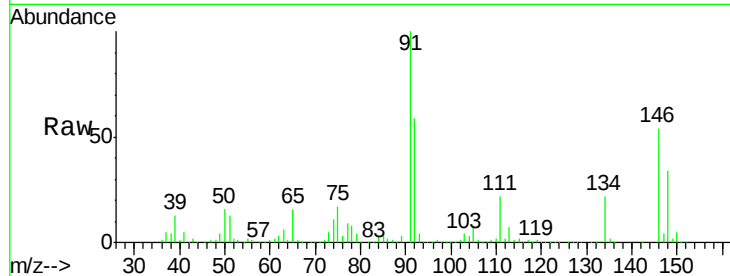




#89
n-Butylbenzene
Concen: 58.54 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

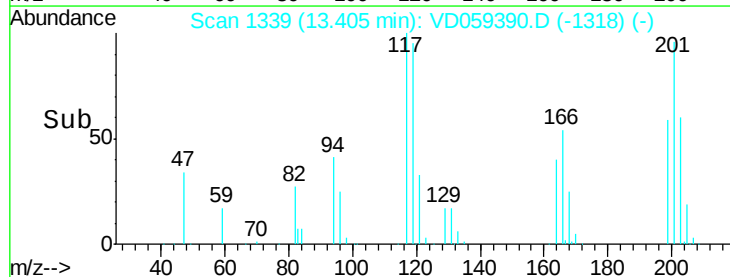
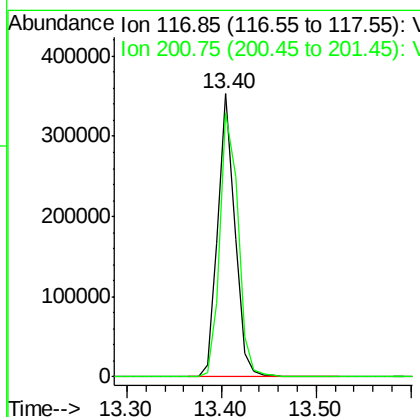
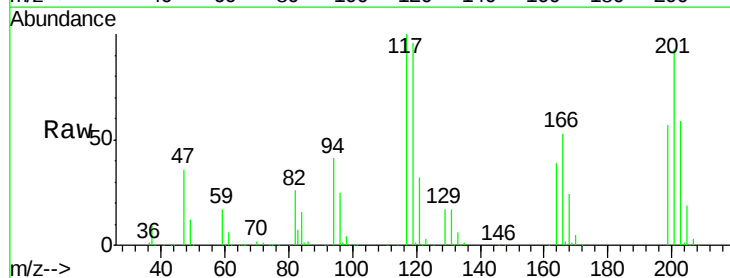
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

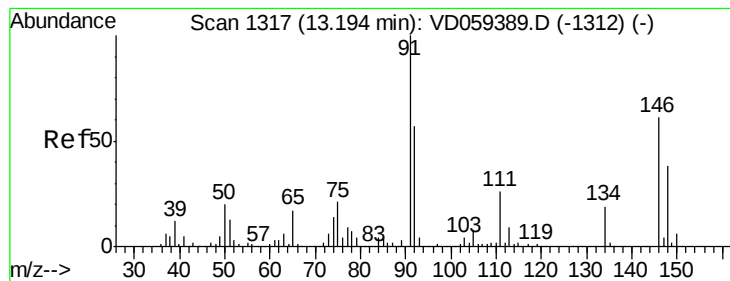
Tot Ion: 91 Resp: 1502691
Ion Ratio Lower Upper
91 100
92 58.7 28.8 86.5
134 21.8 11.9 35.7



#90
Hexachloroethane
Concen: 69.51 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion: 117 Resp: 443212
Ion Ratio Lower Upper
117 100
201 93.2 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 61.85 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

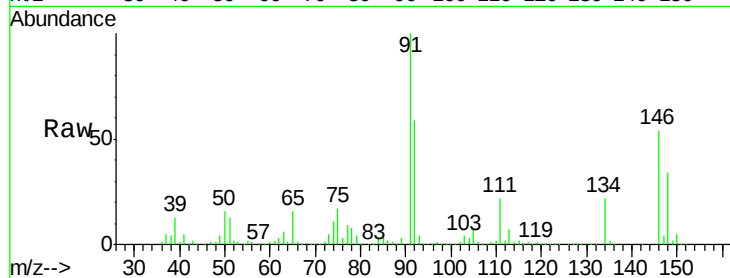
Tot Ion:146 Resp: 789780

Ion Ratio Lower Upper

146 100

111 41.5 21.4 64.2

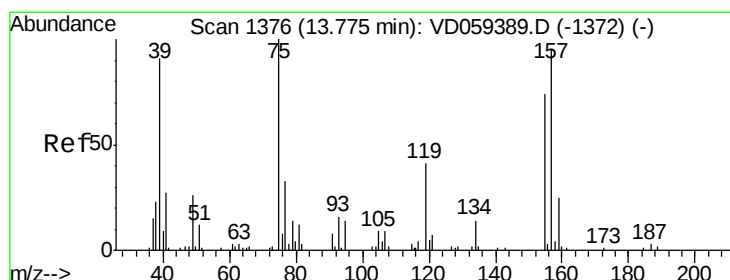
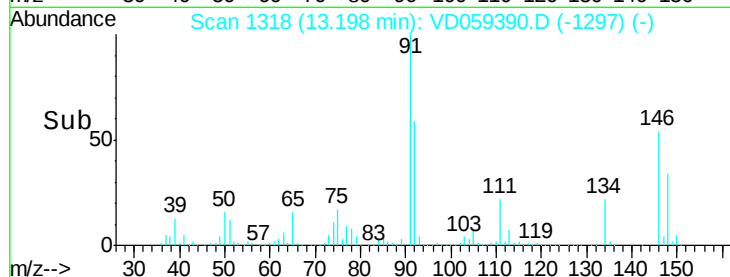
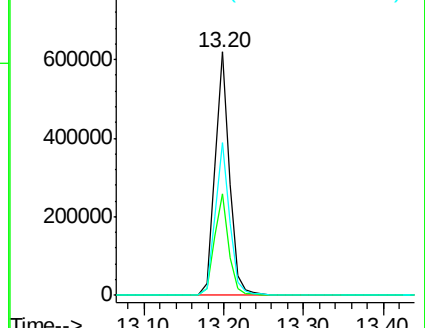
148 62.7 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 71.52 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD059390.D

Acq: 25 Jun 2018 1:46

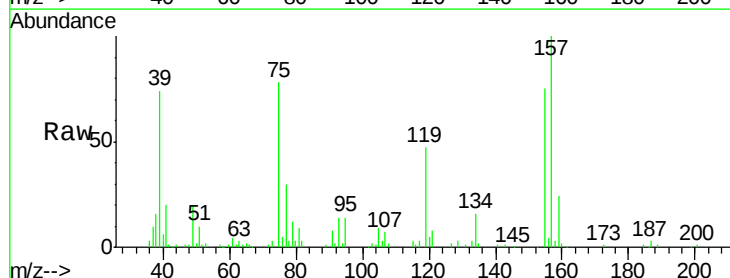
Tgt Ion: 75 Resp: 76574

Ion Ratio Lower Upper

75 100

155 96.1 37.2 111.6

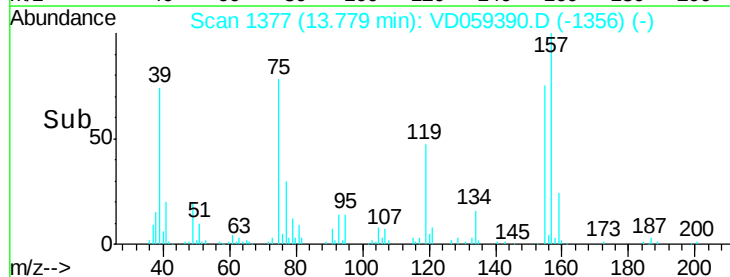
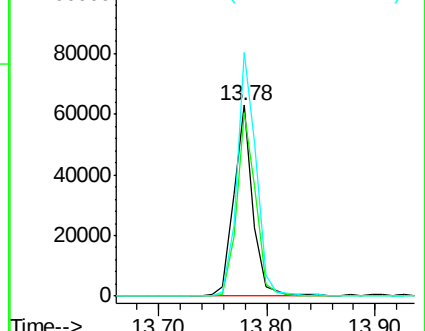
157 127.5 47.4 142.2

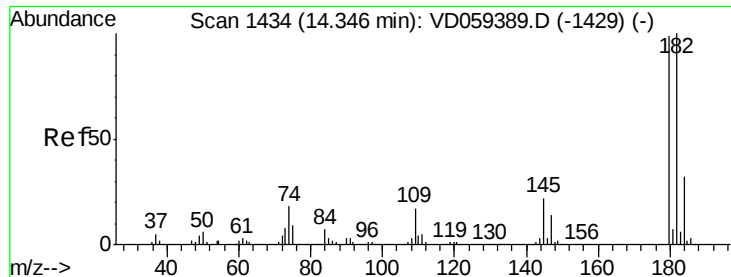


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

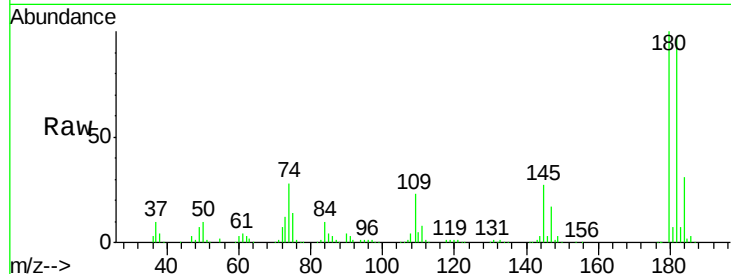




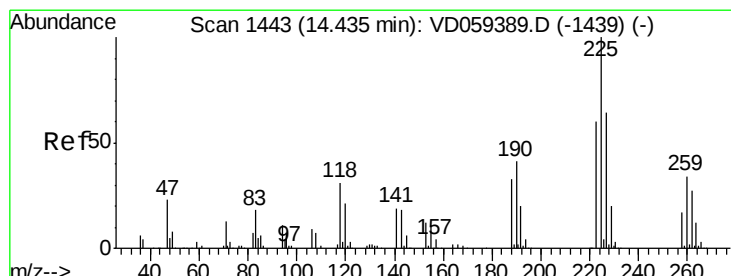
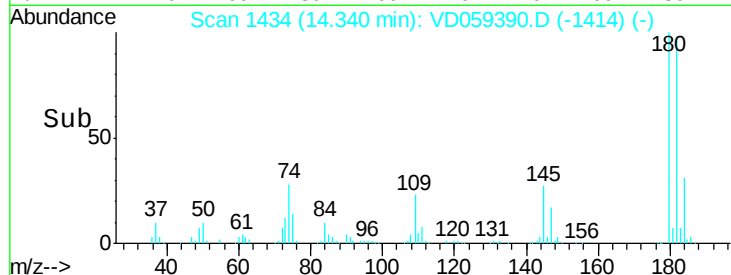
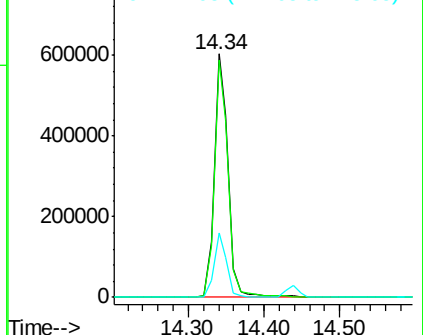
#93
 1,2,4-Trichlorobenzene
 Concen: 64.68 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 784480
 Ion Ratio Lower Upper
 180 100
 182 97.4 50.4 151.2
 145 26.7 11.0 33.0

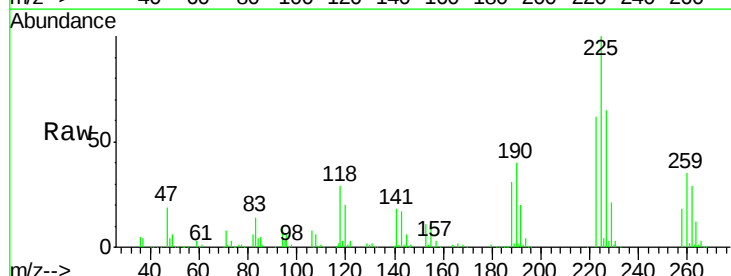


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

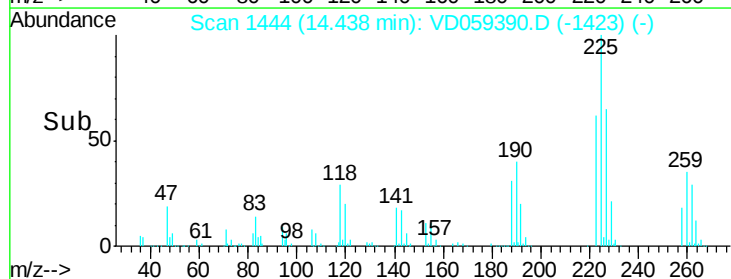
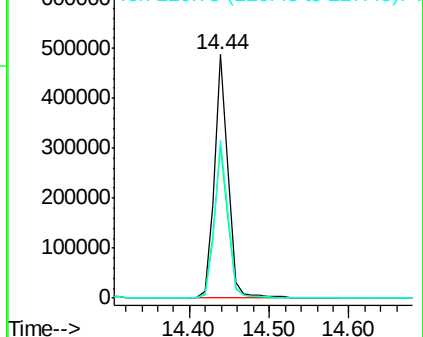


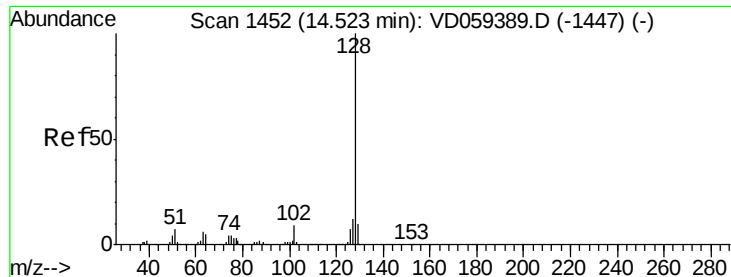
#94
 Hexachlorobutadiene
 Concen: 62.07 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059390.D
 Acq: 25 Jun 2018 1:46

Tgt Ion:225 Resp: 594525
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.0 90.1
 227 65.0 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

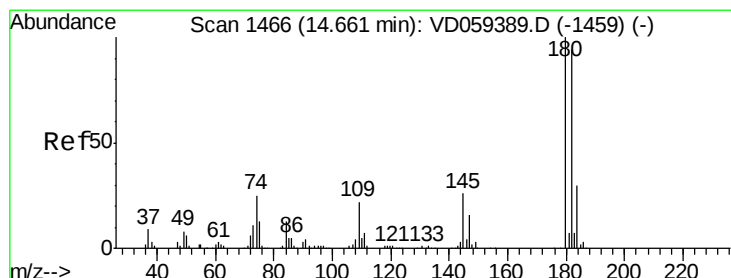
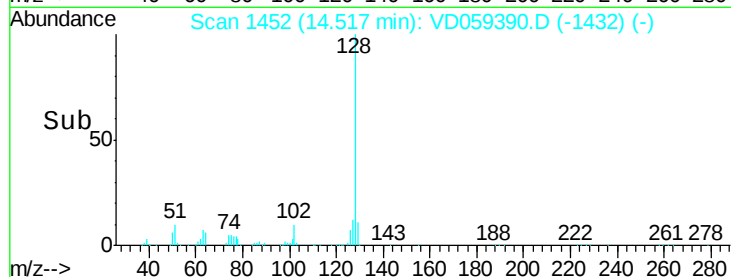
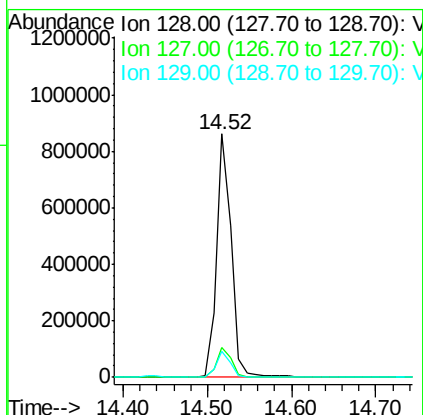
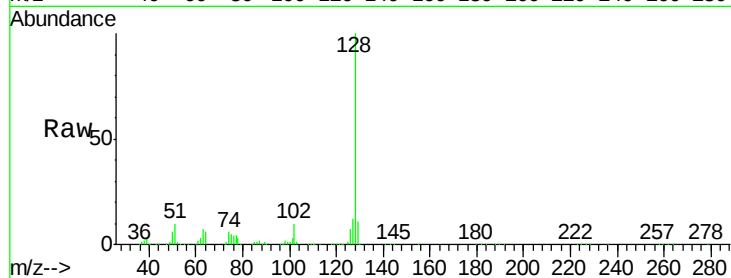




#95
Naphthalene
Concen: 65.26 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1040766
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 11.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 65.38 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059390.D
Acq: 25 Jun 2018 1:46

Tgt Ion:180 Resp: 699823
Ion Ratio Lower Upper
180 100
182 100.6 47.1 141.4
145 26.3 13.1 39.3

