

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059392.D
 Acq On : 25 Jun 2018 2:43
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 25 06:59:15 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	932097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1258435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1002170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	476888	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	1223241	130.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.90%	
35) Dibromofluoromethane	5.56	113	1282330	125.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.48%	
50) Toluene-d8	8.72	98	2817054	114.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.90%	
62) 4-Bromofluorobenzene	11.94	95	1137991	112.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	1095495	117.78	ug/l	98
3) Chloromethane	1.48	50	592018	128.87	ug/l	91
4) Vinyl Chloride	1.56	62	653790	135.88	ug/l	95
5) Bromomethane	1.79	94	168557	94.69	ug/l	95
6) Chloroethane	1.88	64	163293	90.48	ug/l	93
7) Trichlorofluoromethane	2.08	101	810670	120.42	ug/l	99
8) Diethyl Ether	2.35	74	226060	160.02	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	567395	134.17	ug/l	91
10) Methyl Iodide	2.69	142	841889	173.71	ug/l	97
11) Tert butyl alcohol	3.28	59	209414	660.66	ug/l	95
12) 1,1-Dichloroethene	2.55	96	431409	136.39	ug/l	91
13) Acrolein	2.48	56	204421	1008.33	ug/l	96
14) Allyl chloride	2.92	41	1107875	151.66	ug/l	95
15) Acrylonitrile	3.36	53	728409	860.72	ug/l	98
16) Acetone	2.63	43	787971	630.52	ug/l	96
17) Carbon Disulfide	2.75	76	1410920	132.39	ug/l	99
18) Methyl Acetate	2.94	43	410700	149.63	ug/l	95
19) Methyl tert-butyl Ether	3.41	73	2110265	222.45	ug/l	100
20) Methylene Chloride	3.08	84	497392	125.47	ug/l	99
21) trans-1,2-Dichloroethene	3.40	96	718304	187.11	ug/l	90
22) Diisopropyl ether	4.08	45	3625804	125.25	ug/l	98
23) Vinyl Acetate	4.03	43	9571452	623.01	ug/l	99
24) 1,1-Dichloroethane	3.98	63	2106176	134.20	ug/l	98
25) 2-Butanone	4.85	43	1670226	615.22	ug/l	95
26) 2,2-Dichloropropane	4.80	77	1633484	125.07	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	1138236	131.01	ug/l	96
28) Bromochloromethane	5.16	49	914967	130.44	ug/l	100
29) Tetrahydrofuran	5.19	42	892254	617.27	ug/l	99
30) Chloroform	5.33	83	2329987	139.76	ug/l	96
31) Cyclohexane	5.60	56	1389709	104.67	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	2051162	148.77	ug/l	97
36) 1,1-Dichloropropene	5.76	75	1396281	113.96	ug/l	98
37) Ethyl Acetate	4.94	43	915984	132.56	ug/l	99
38) Carbon Tetrachloride	5.74	117	1701342	139.33	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059392.D
 Acq On : 25 Jun 2018 2:43
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 25 06:59:15 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)
39) Methylcyclohexane	7.29	83	1287609	108.42	ug/l	93
40) Benzene	6.02	78	3237808	110.46	ug/l	99
41) Methacrylonitrile	5.14	41	432579	126.42	ug/l	96
42) 1,2-Dichloroethane	6.14	62	1677571	140.96	ug/l	95
43) Isopropyl Acetate	7.63	43	1241842	135.83	ug/l	97
44) Trichloroethene	6.99	130	1129474	127.67	ug/l	99
45) 1,2-Dichloropropane	7.36	63	989807	126.61	ug/l	97
46) Dibromomethane	7.47	93	738740	137.15	ug/l	88
47) Bromodichloromethane	7.75	83	1777940	142.78	ug/l #	99
48) Methyl methacrylate	7.52	41	775598	139.32	ug/l	97
49) 1,4-Dioxane	7.50	88	147953	2938.95	ug/l	97
51) 4-Methyl-2-Pentanone	8.61	43	3537011	589.71	ug/l	99
52) Toluene	8.82	92	2004533	119.76	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	1474213	138.43	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	1587153	128.11	ug/l	92
55) 1,1,2-Trichloroethane	9.47	97	767455	129.46	ug/l	99
56) Ethyl methacrylate	9.33	69	905374	129.58	ug/l	98
57) 1,3-Dichloropropane	9.67	76	1285494	128.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.21	63	1997434	576.39	ug/l	98
59) 2-Hexanone	9.80	43	2646032	606.93	ug/l	97
60) Dibromochloromethane	9.97	129	1233523	153.00	ug/l	96
61) 1,2-Dibromoethane	10.11	107	908504	140.94	ug/l	97
64) Tetrachloroethene	9.53	164	1144632	135.83	ug/l	97
65) Chlorobenzene	10.73	112	2394920	128.51	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	928122	127.92	ug/l	94
67) Ethyl Benzene	10.87	91	3508079	106.46	ug/l	98
68) m/p-Xylenes	11.02	106	2454670	224.27	ug/l	91
69) o-Xylene	11.42	106	1261538	119.24	ug/l	98
70) Styrene	11.44	104	2162270	120.02	ug/l	95
71) Bromoform	11.60	173	944995	165.13	ug/l	98
73) Isopropylbenzene	11.78	105	3783196	133.76	ug/l	98
74) N-amyl acetate	11.65	43	1536513	143.98	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.09	83	878434	135.35	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	919520	135.04	ug/l	97
77) Bromobenzene	12.05	156	1156132	135.94	ug/l	93
78) n-propylbenzene	12.16	91	4495960	123.90	ug/l	96
79) 2-Chlorotoluene	12.22	91	2677061	128.54	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	2836904	129.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	250006	153.63	ug/l	93
82) 4-Chlorotoluene	12.33	91	2754928	117.85	ug/l	89
83) tert-Butylbenzene	12.58	119	3289950	130.95	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	3075381	128.58	ug/l	94
85) sec-Butylbenzene	12.76	105	3685573	124.71	ug/l	98
86) p-Isopropyltoluene	12.89	119	3227371	134.41	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	1872433	127.77	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	1865662	130.40	ug/l	99
89) n-Butylbenzene	13.20	91	2816094	113.14	ug/l	99
90) Hexachloroethane	13.40	117	897584	145.16	ug/l	86
91) 1,2-Dichlorobenzene	13.20	146	1504086	121.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	164988	158.91	ug/l	70

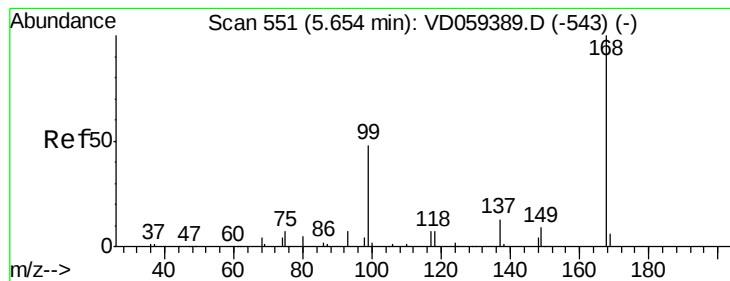
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059392.D
Acq On : 25 Jun 2018 2:43
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: Jun 25 06:59:15 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.34	180	1541313	131.05	ug/l	94
94) Hexachlorobutadiene	14.44	225	1210846	130.36	ug/l	98
95) Naphthalene	14.52	128	2066529	133.62	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	1377339	132.69	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

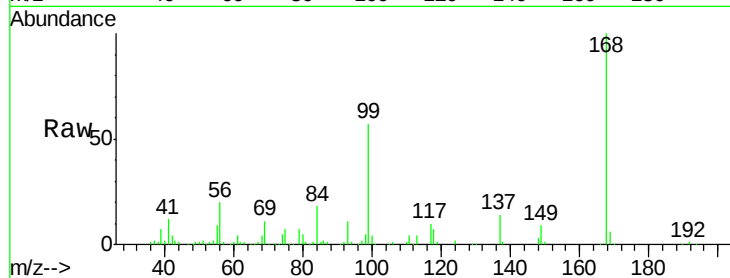
VSTDIC150

Tot Ion:168 Resp: 932097

Ion Ratio Lower Upper

168 100

99 56.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

500000

400000

300000

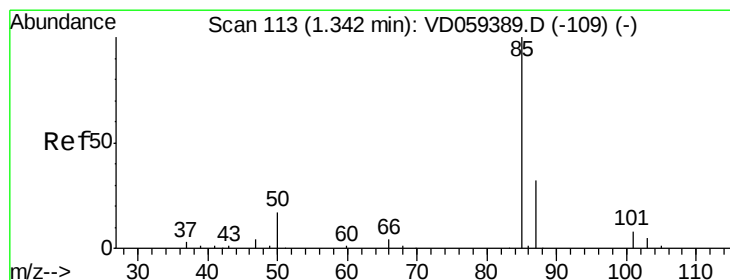
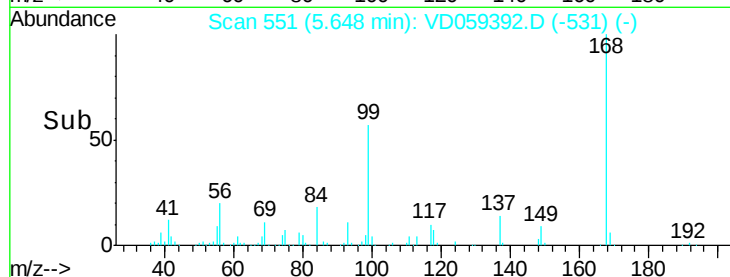
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 117.78 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059392.D

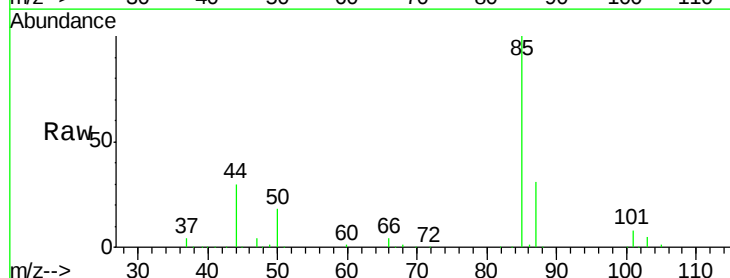
Acq: 25 Jun 2018 2:43

Tgt Ion: 85 Resp: 1095495

Ion Ratio Lower Upper

85 100

87 31.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

400000

300000

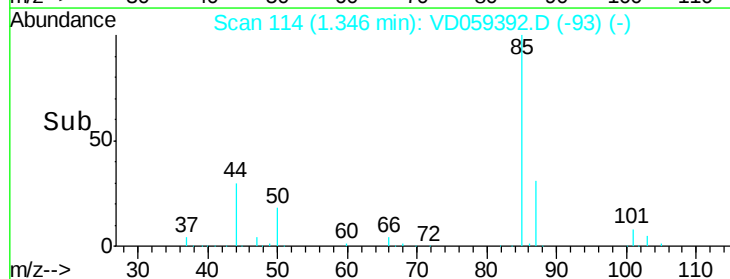
200000

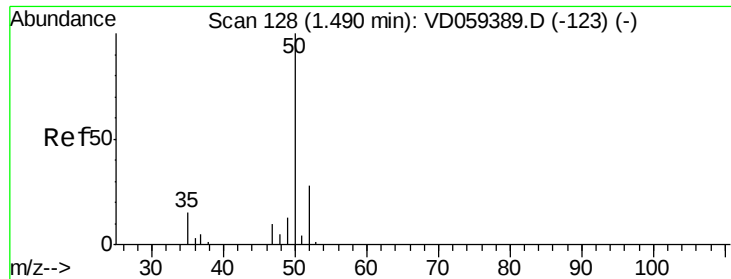
100000

0

1.20 1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 128.87 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

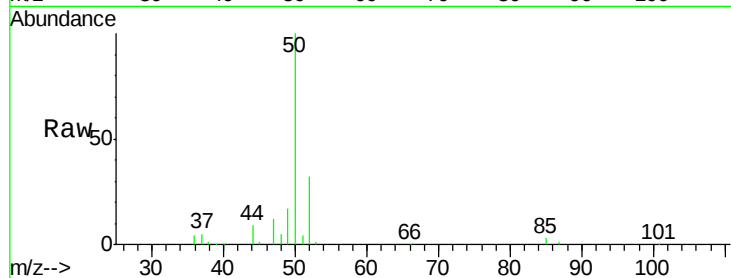
VSTDIC150

Tot Ion: 50 Resp: 592018

Ion Ratio Lower Upper

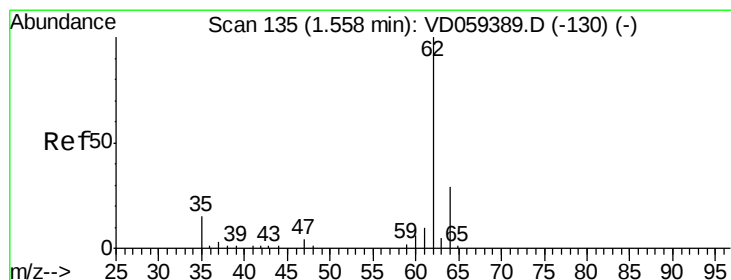
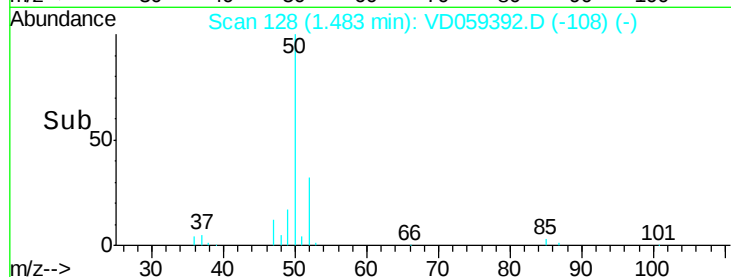
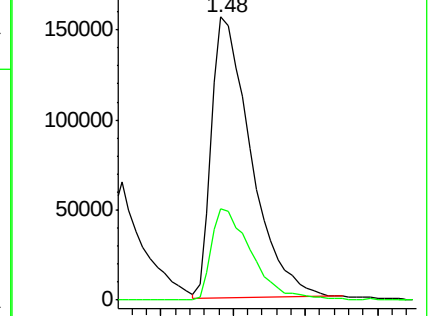
50 100

52 32.1 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 135.88 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059392.D

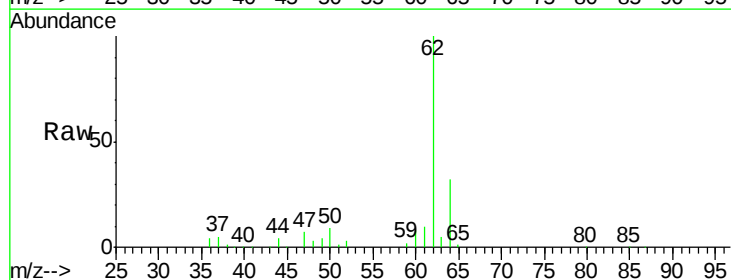
Acq: 25 Jun 2018 2:43

Tgt Ion: 62 Resp: 653790

Ion Ratio Lower Upper

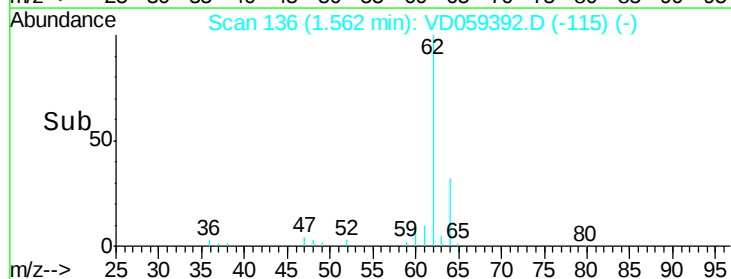
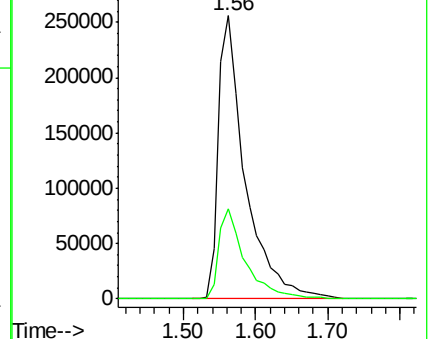
62 100

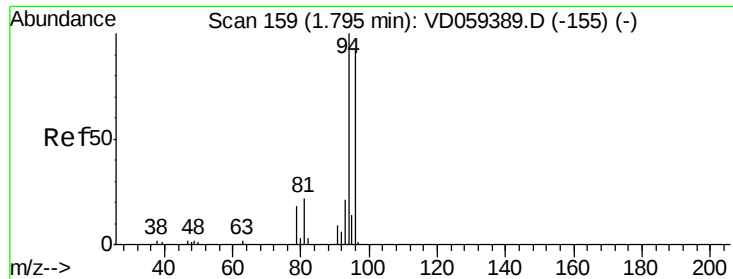
64 31.7 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 94.69 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

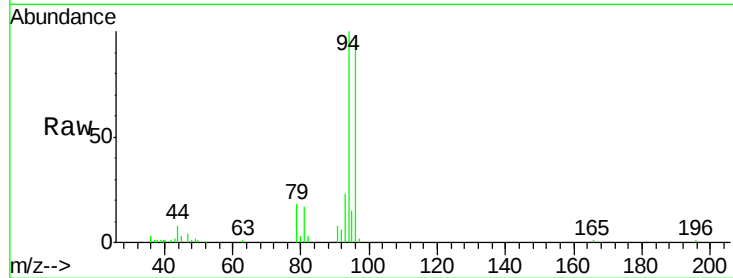
VSTDIC150

Tot Ion: 94 Resp: 168557

Ion Ratio Lower Upper

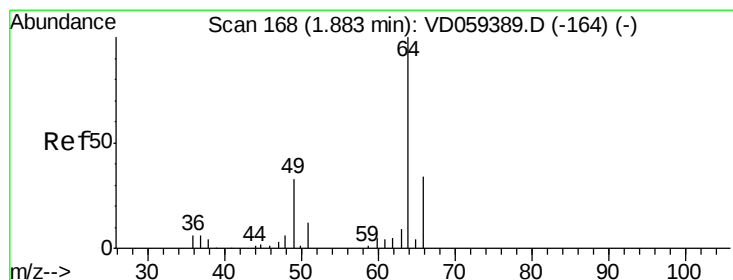
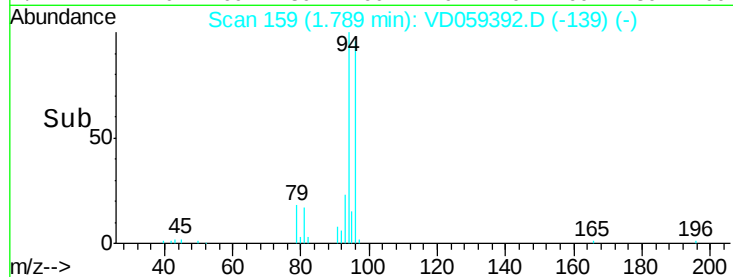
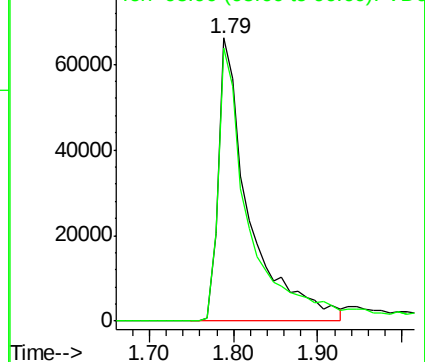
94 100

96 96.4 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: 90.48 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059392.D

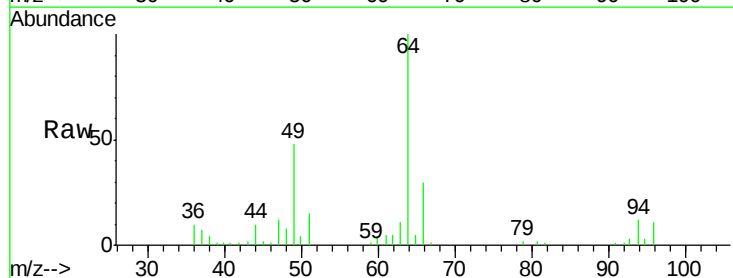
Acq: 25 Jun 2018 2:43

Tgt Ion: 64 Resp: 163293

Ion Ratio Lower Upper

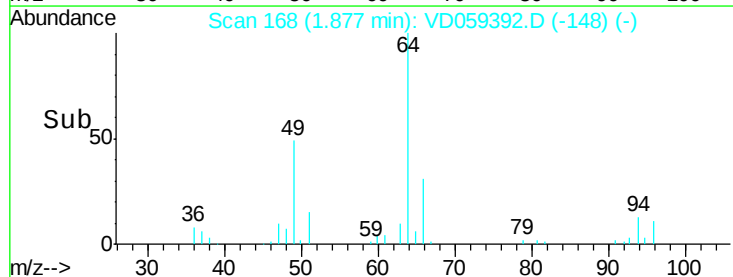
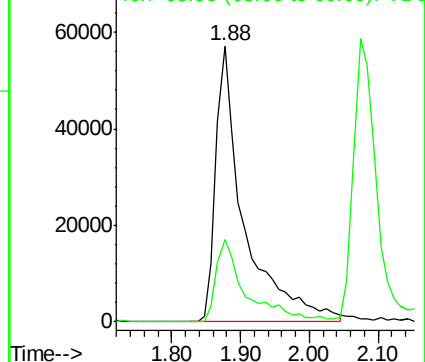
64 100

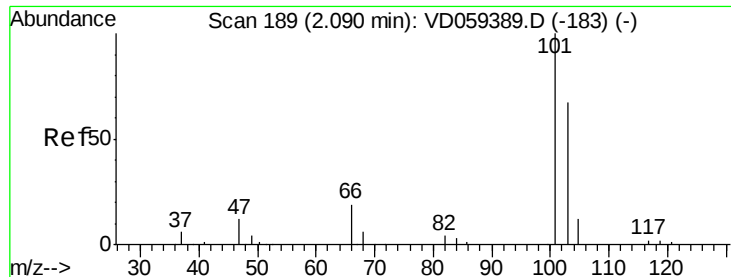
66 29.7 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



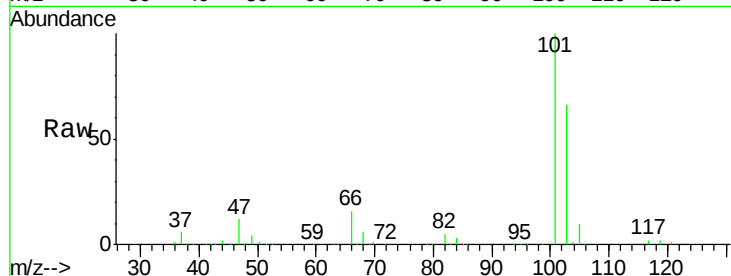


#7

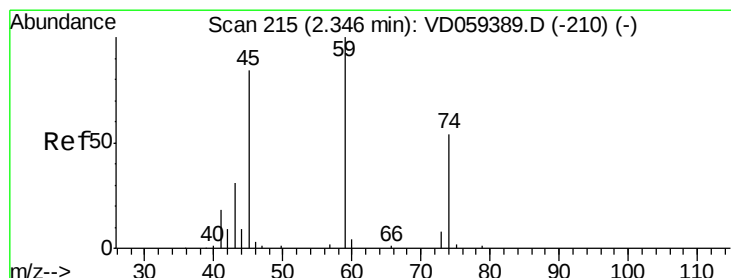
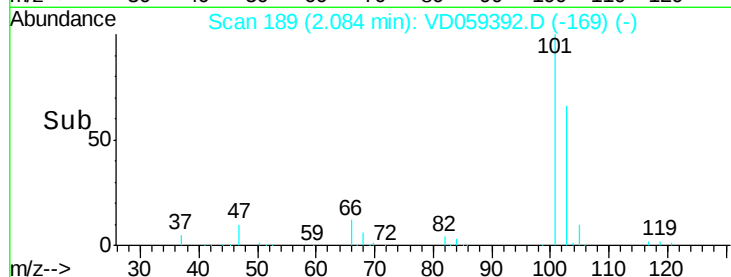
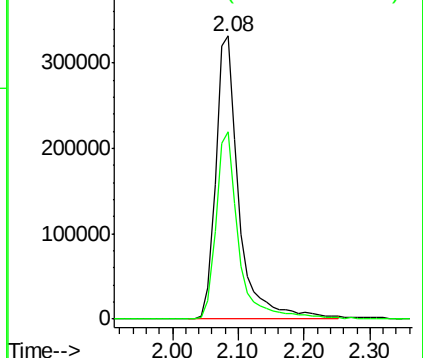
Trichlorofluoromethane
 Concen: 120.42 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 810670
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.4 80.0



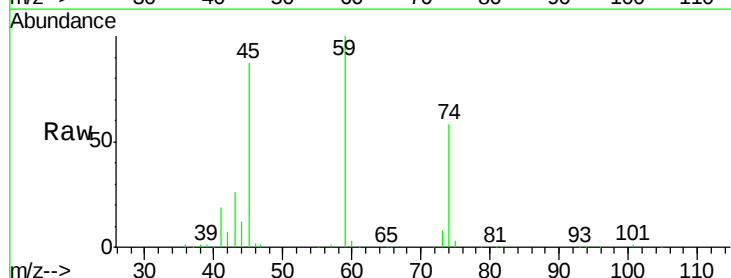
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



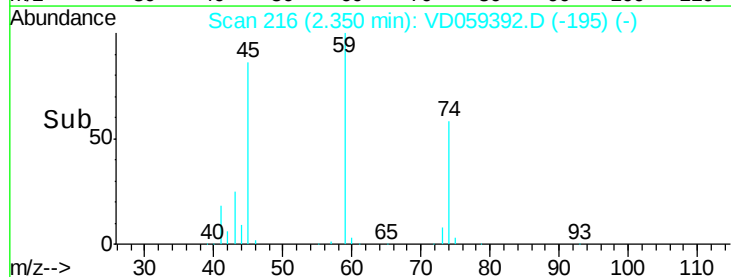
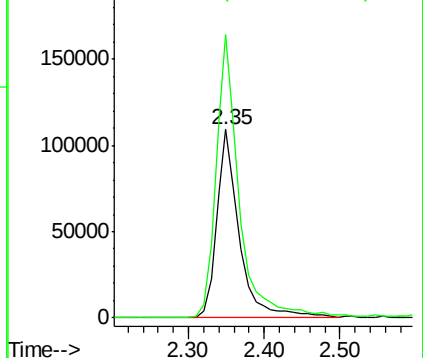
#8

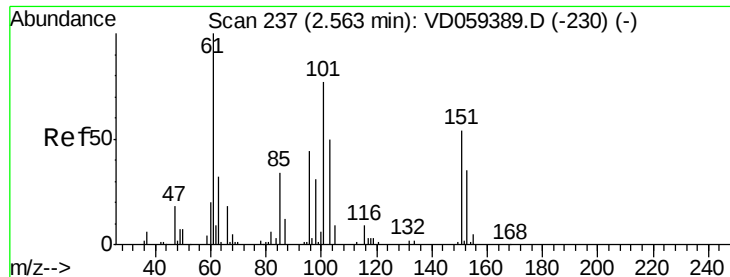
Diethyl Ether
 Concen: 160.02 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion: 74 Resp: 226060
 Ion Ratio Lower Upper
 74 100
 45 150.5 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: 134.17 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

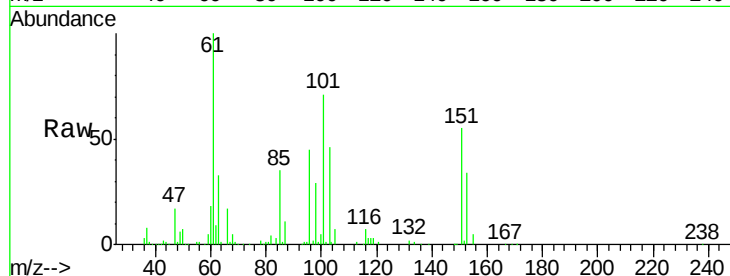
Tot Ion:101 Resp: 567395

Ion Ratio Lower Upper

101 100

85 49.9 35.7 53.5

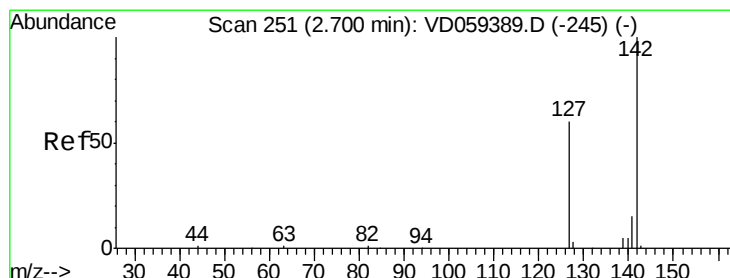
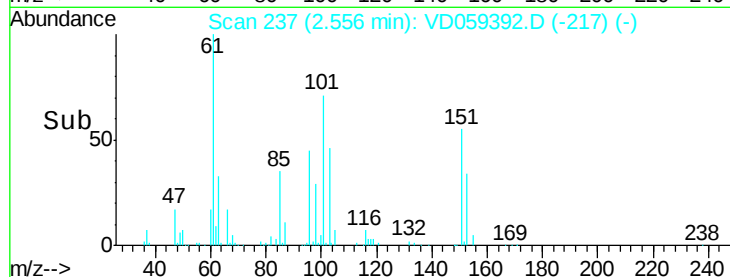
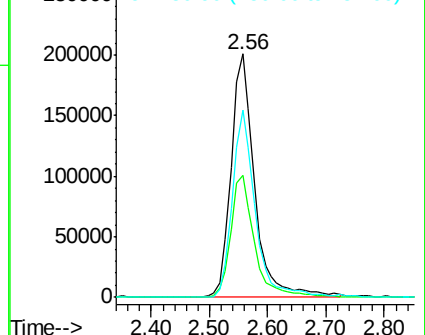
151 77.2 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 173.71 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

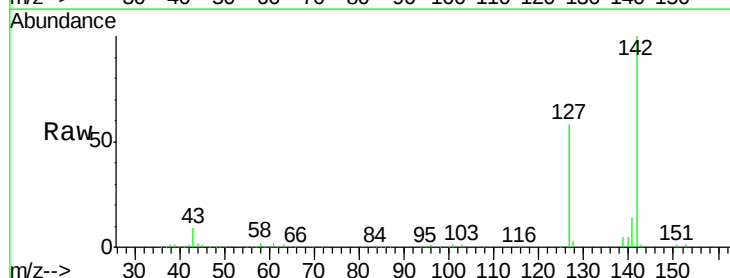
Tgt Ion:142 Resp: 841889

Ion Ratio Lower Upper

142 100

127 58.4 48.4 72.6

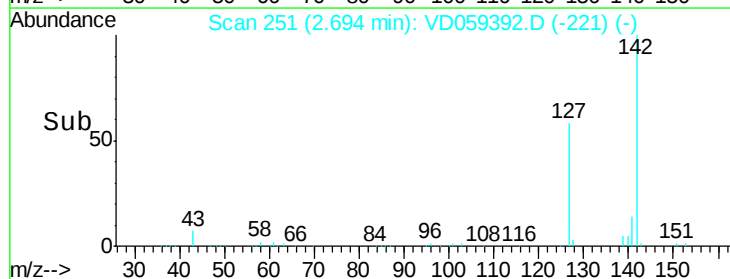
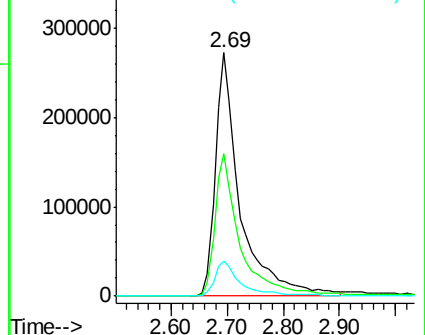
141 14.4 12.1 18.1

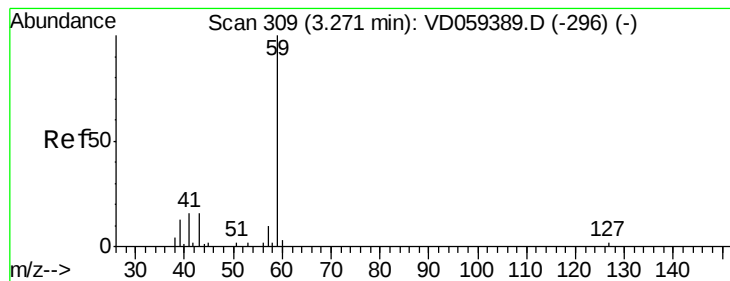


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



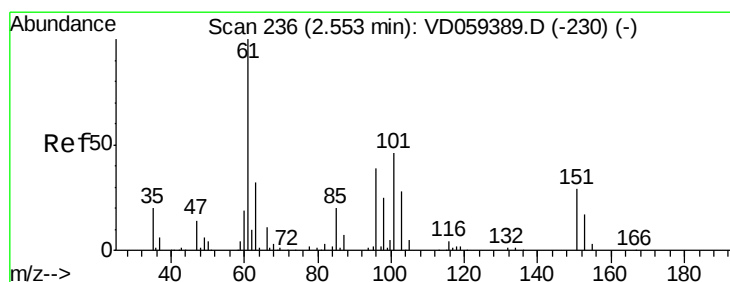
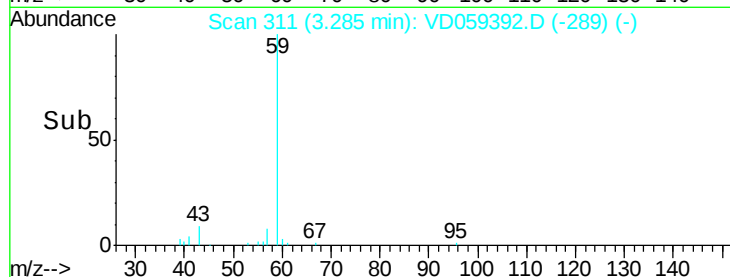
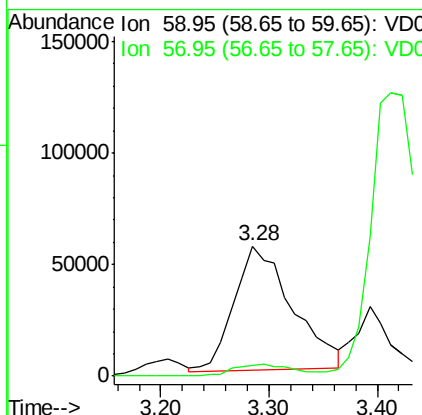
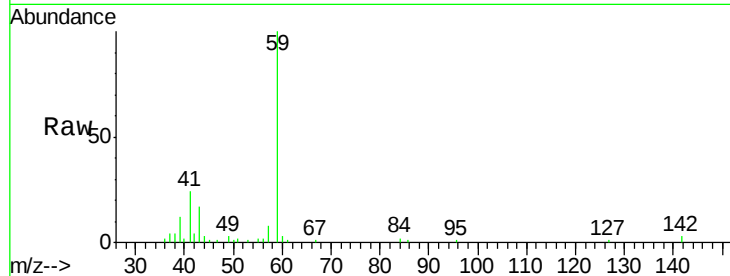


#11

Tert butyl alcohol
 Concen: 660.66 ug/l
 RT: 3.28 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

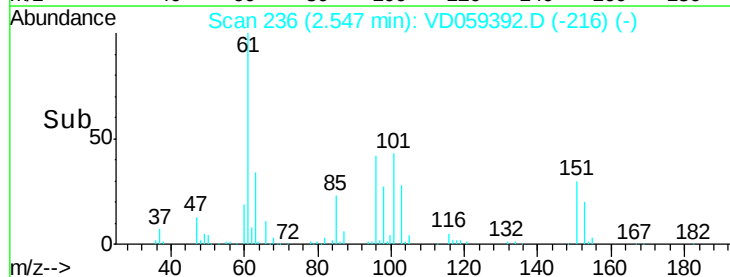
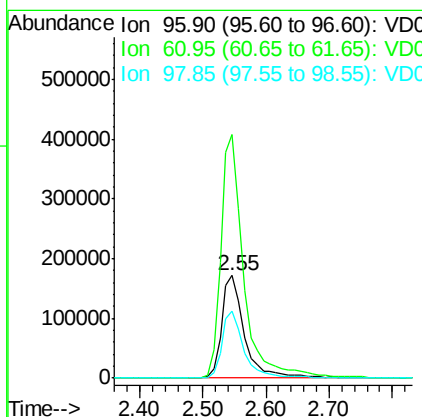
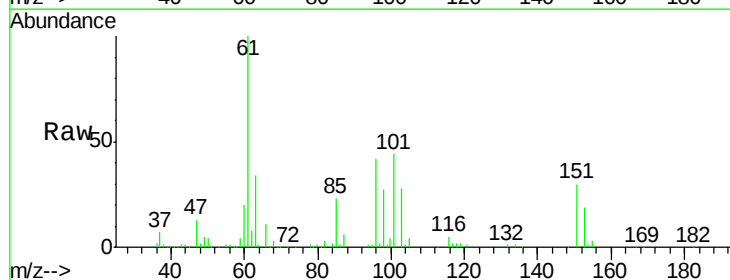
Tot Ion: 59 Resp: 209414
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.3 12.5

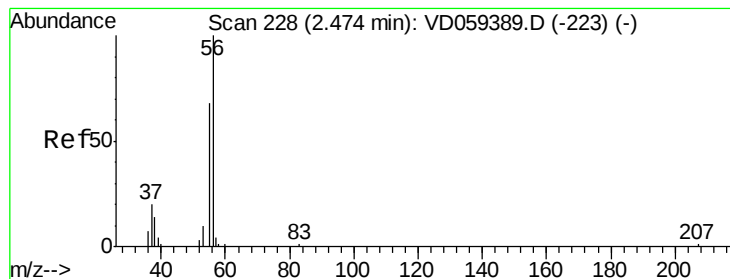


#12

1,1-Dichloroethene
 Concen: 136.39 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion: 96 Resp: 431409
 Ion Ratio Lower Upper
 96 100
 61 237.4 205.4 308.0
 98 64.8 51.0 76.4





#13

Acrolein

Concen: 1008.33 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

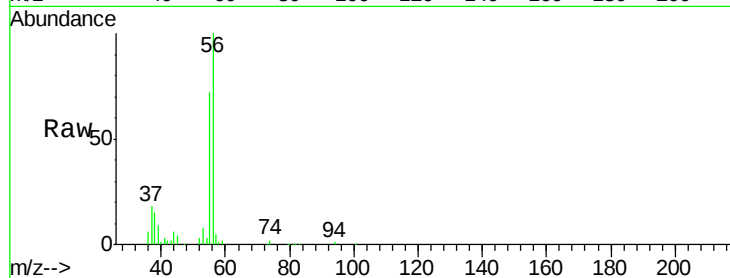
VSTDIC150

Tot Ion: 56 Resp: 204421

Ion Ratio Lower Upper

56 100

55 71.6 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

80000

60000

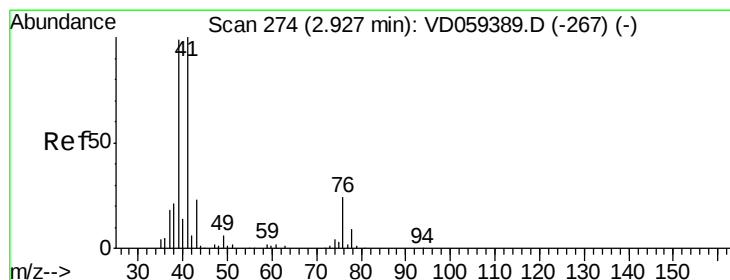
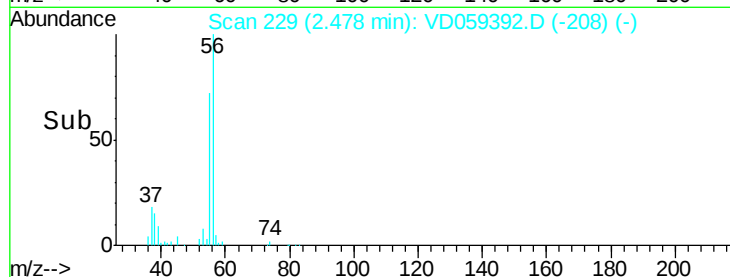
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#14

Allyl chloride

Concen: 151.66 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

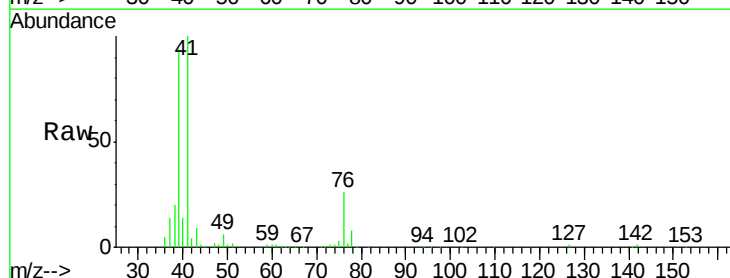
Tgt Ion: 41 Resp: 1107875

Ion Ratio Lower Upper

41 100

39 93.6 79.1 118.7

76 26.3 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

600000

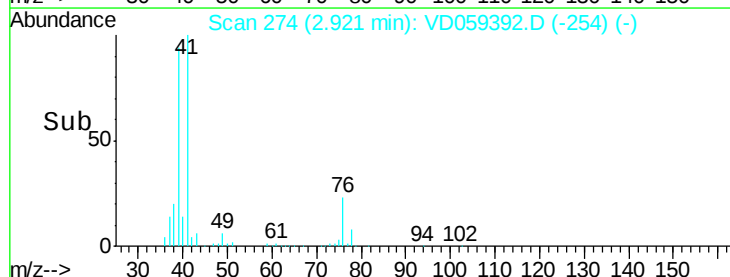
400000

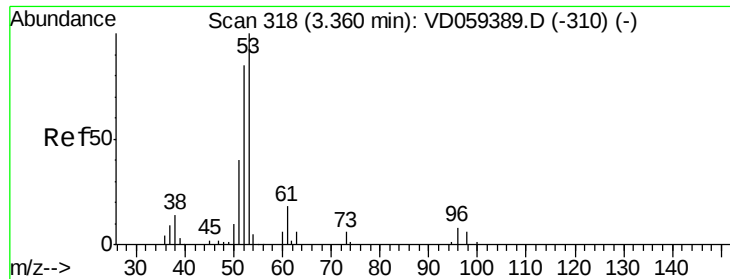
200000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 860.72 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

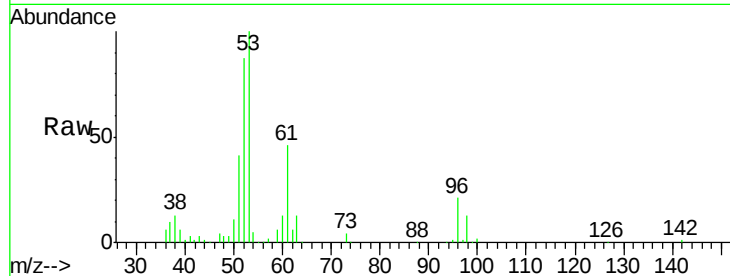
Tot Ion: 53 Resp: 728409

Ion Ratio Lower Upper

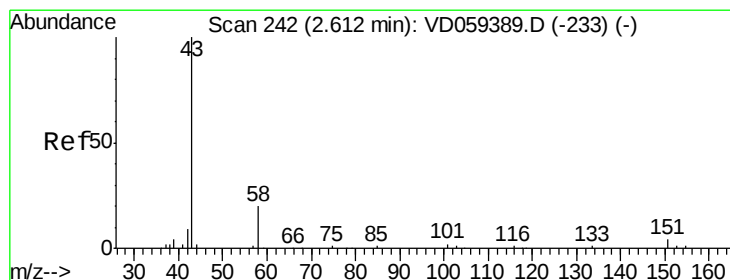
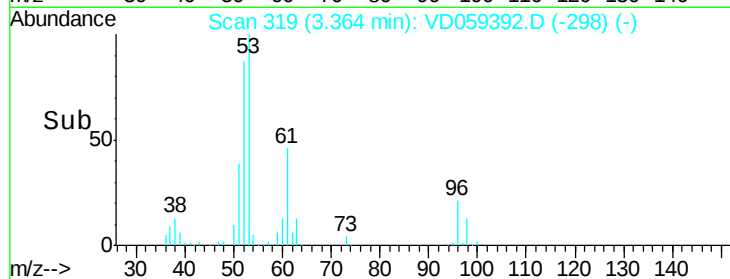
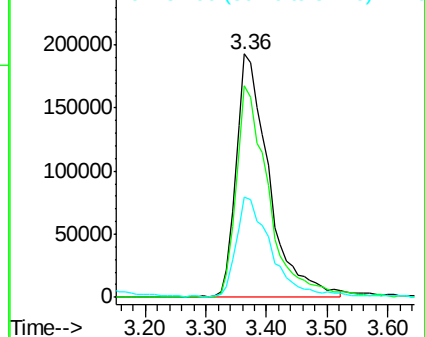
53 100

52 87.1 67.9 101.9

51 41.2 32.2 48.4



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



#16

Acetone

Concen: 630.52 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD059392.D

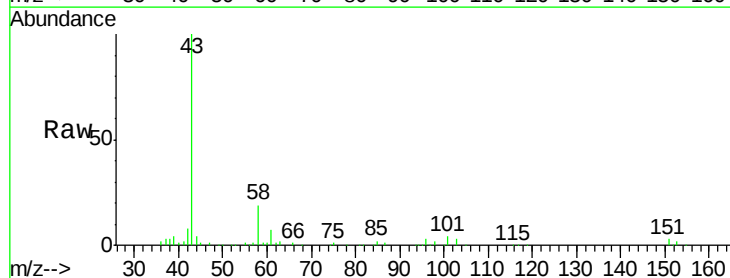
Acq: 25 Jun 2018 2:43

Tgt Ion: 43 Resp: 787971

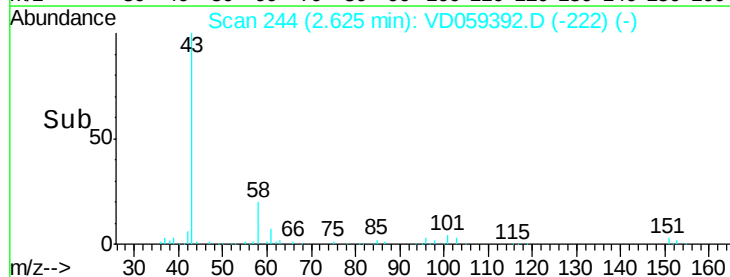
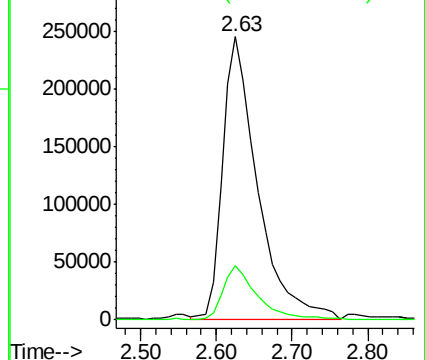
Ion Ratio Lower Upper

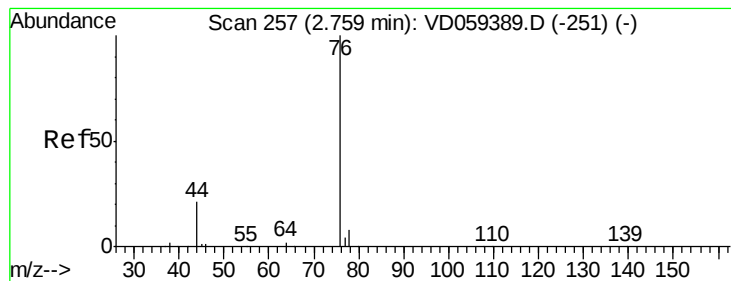
43 100

58 19.2 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: 132.39 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

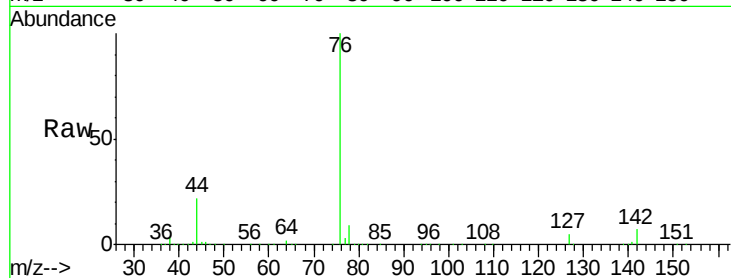
VSTDIC150

Tot Ion: 76 Resp: 1410920

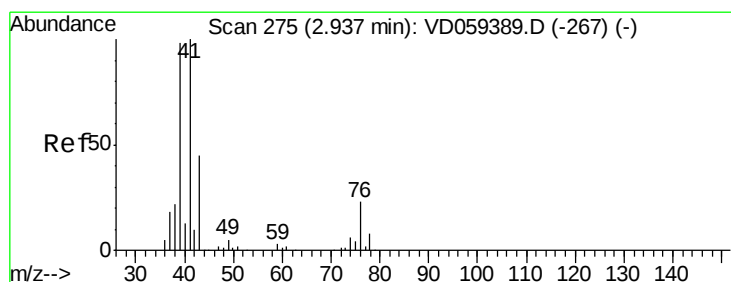
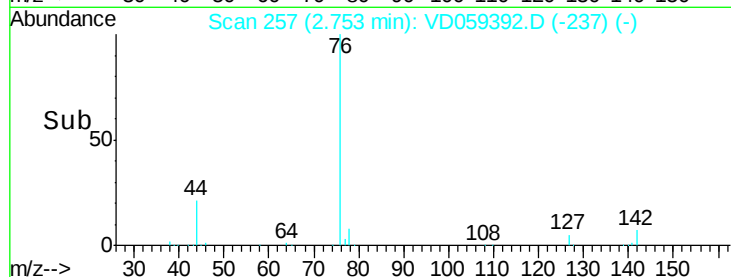
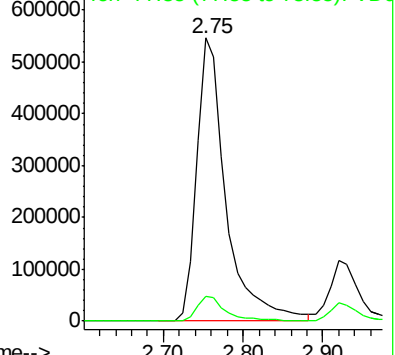
Ion Ratio Lower Upper

76 100

78 8.7 6.6 9.8



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



#18

Methyl Acetate

Concen: 149.63 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD059392.D

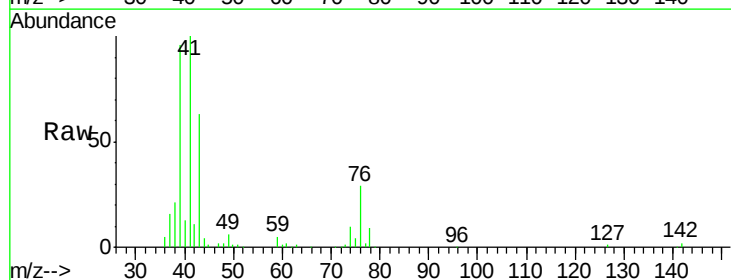
Acq: 25 Jun 2018 2:43

Tgt Ion: 43 Resp: 410700

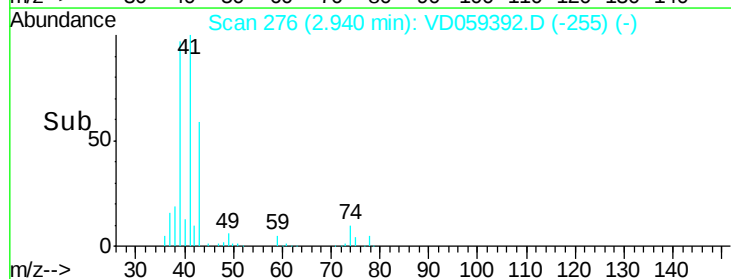
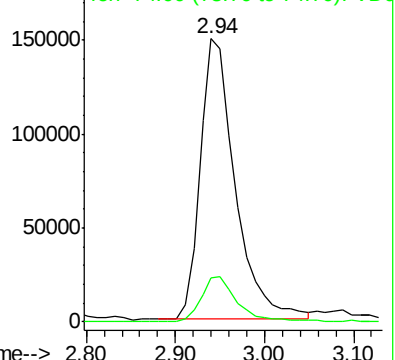
Ion Ratio Lower Upper

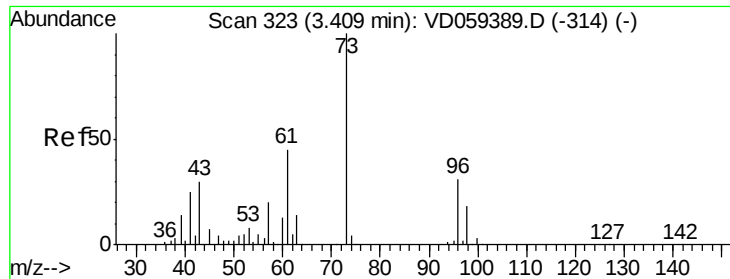
43 100

74 15.7 11.0 16.4



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

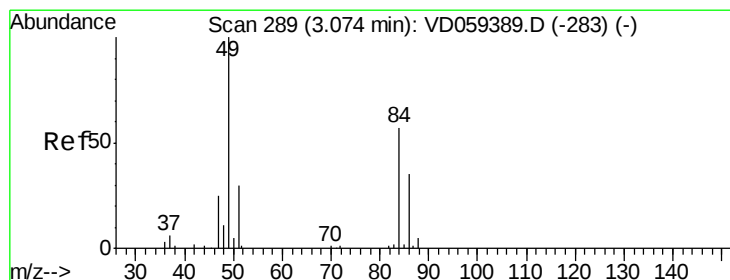
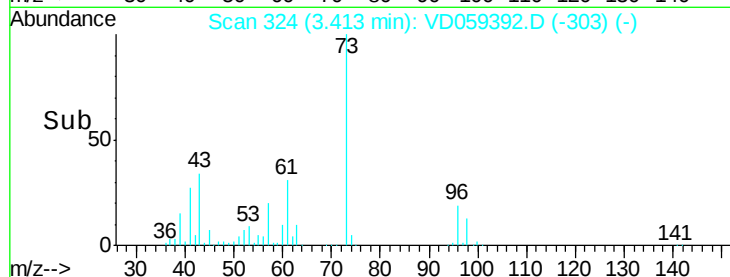
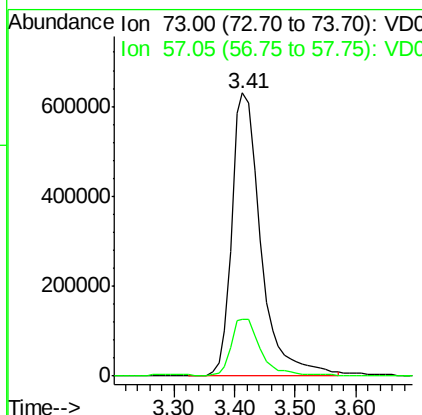
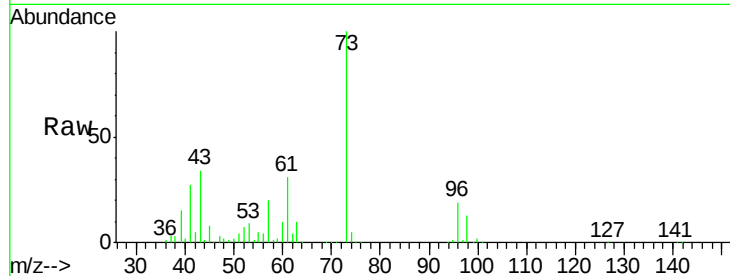




#19
Methvl tert-butvl Ether
Concen: 222.45 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

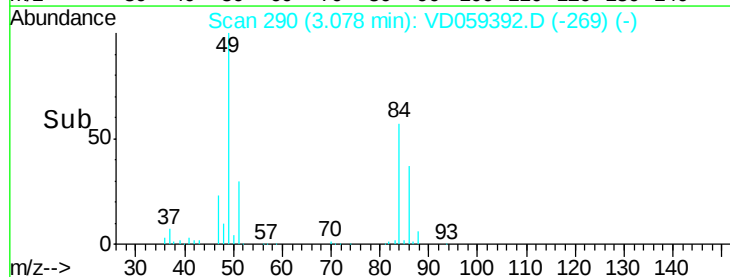
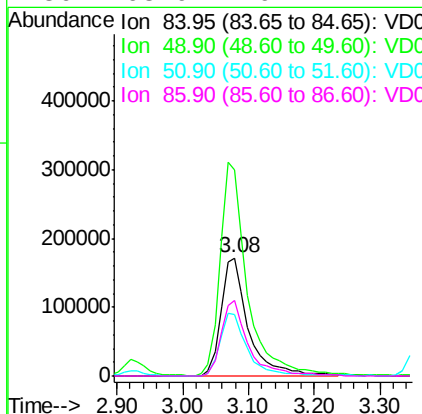
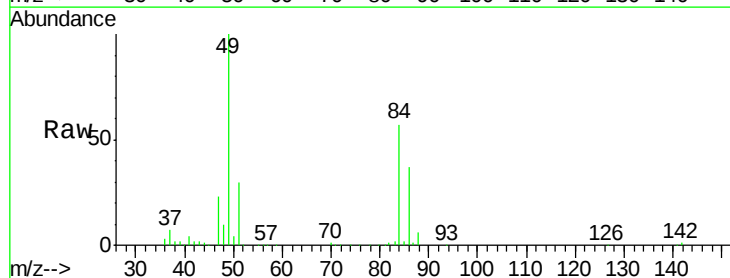
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

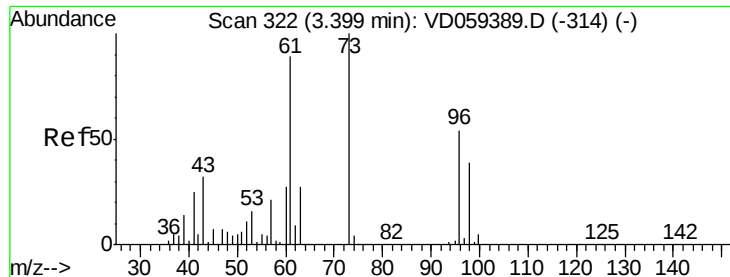
Tot Ion: 73 Resp: 2110265
Ion Ratio Lower Upper
73 100
57 20.2 16.1 24.1



#20
Methylene Chloride
Concen: 125.47 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 84 Resp: 497392
Ion Ratio Lower Upper
84 100
49 174.7 140.3 210.5
51 51.9 41.6 62.4
86 63.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 187.11 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

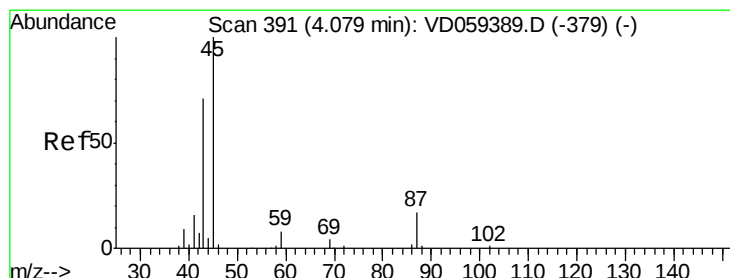
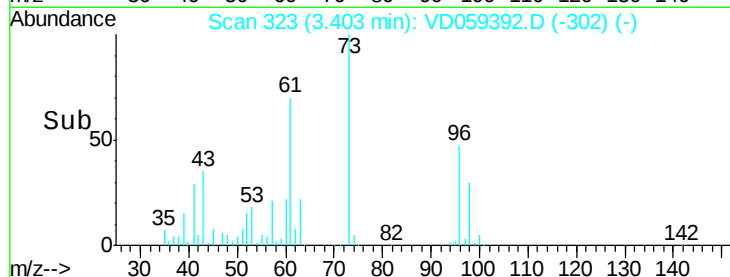
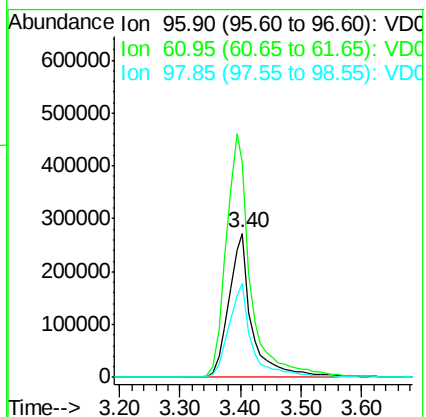
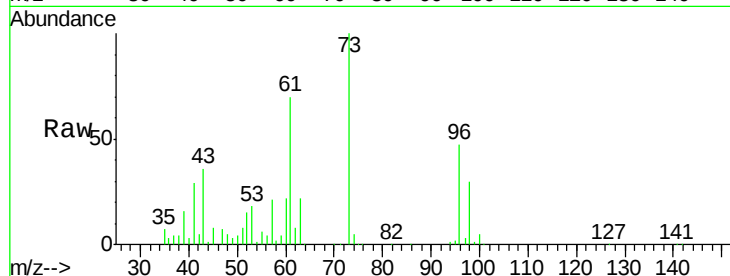
Tot Ion: 96 Resp: 718304

Ion Ratio Lower Upper

96 100

61 148.9 131.0 196.4

98 65.0 56.8 85.2



#22

Diisopropyl ether

Concen: 125.25 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Tgt Ion: 45 Resp: 3625804

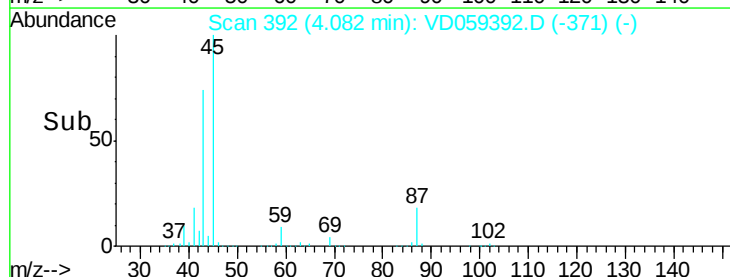
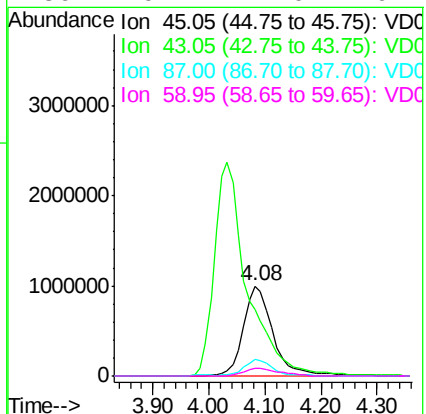
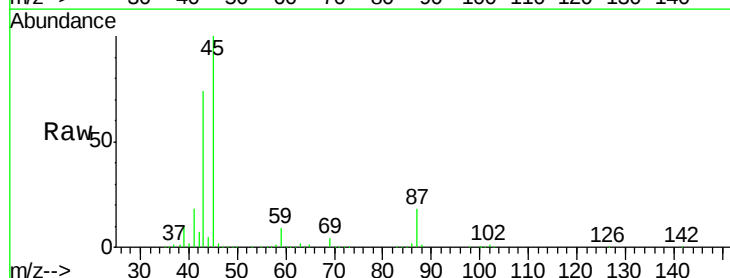
Ion Ratio Lower Upper

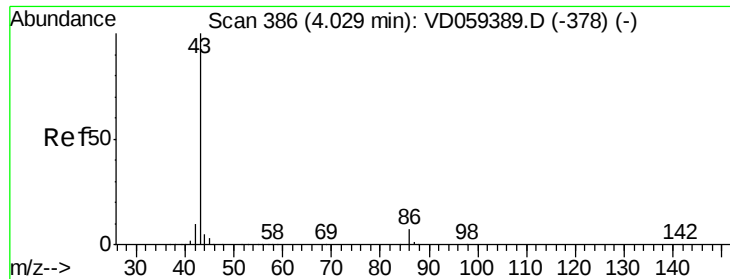
45 100

43 73.6 56.9 85.3

87 18.1 14.2 21.4

59 9.2 7.0 10.4





#23

Vinyl Acetate

Concen: 623.01 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

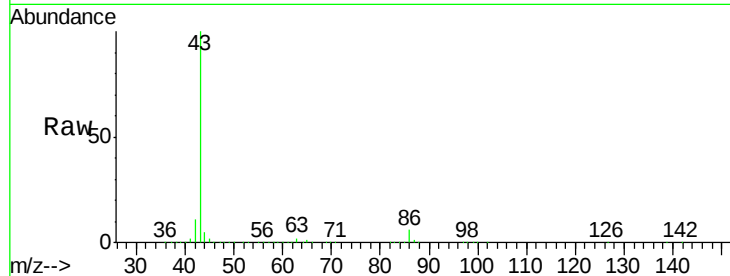
VSTDIC150

Tot Ion: 43 Resp: 9571452

Ion Ratio Lower Upper

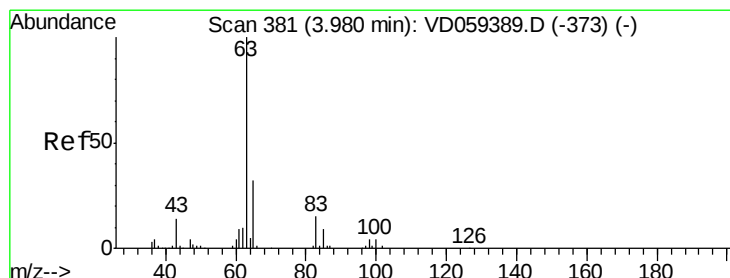
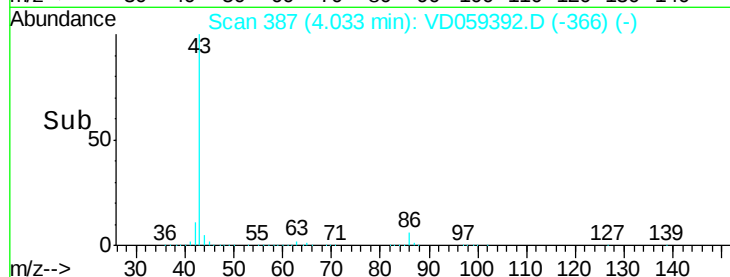
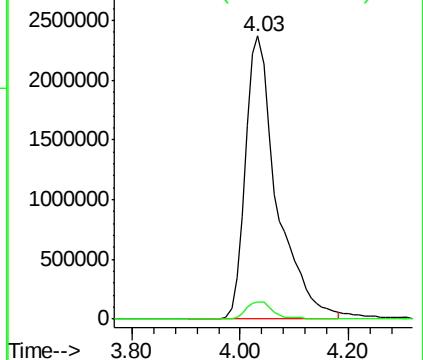
43 100

86 6.3 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: 134.20 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

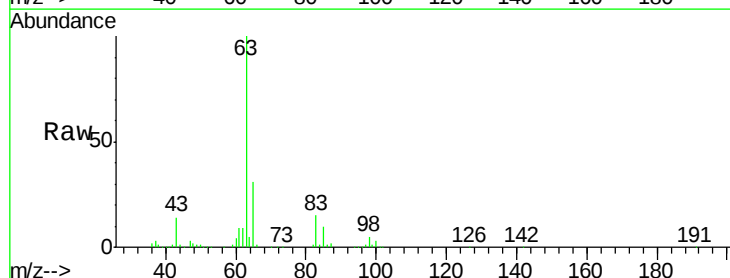
Tgt Ion: 63 Resp: 2106176

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

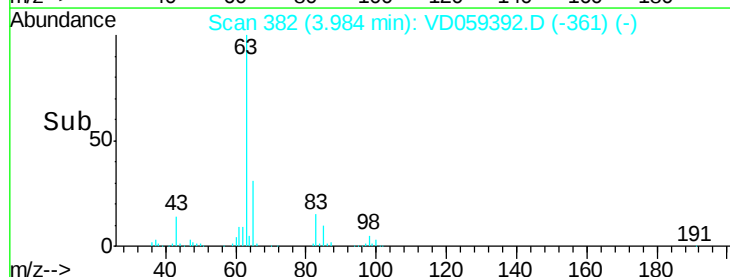
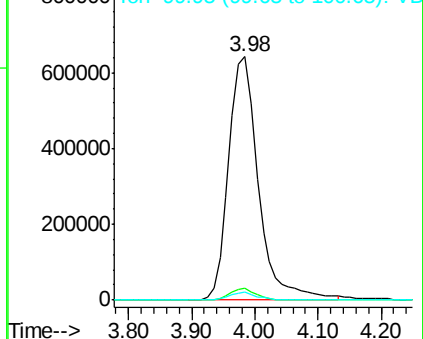
100 3.2 1.8 5.5

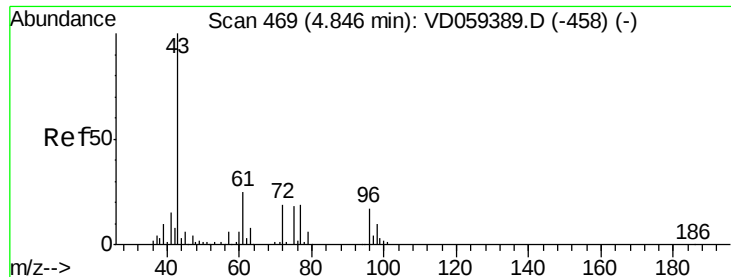


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 615.22 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

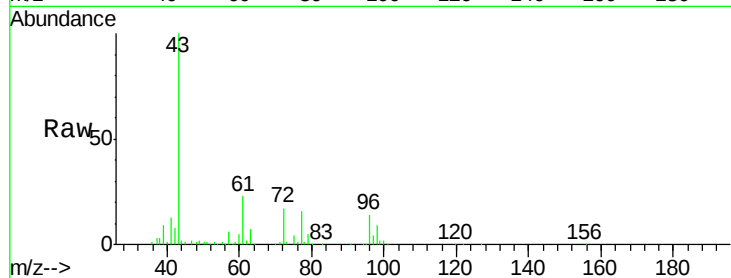
VSTDIC150

Tot Ion: 43 Resp: 1670226

Ion Ratio Lower Upper

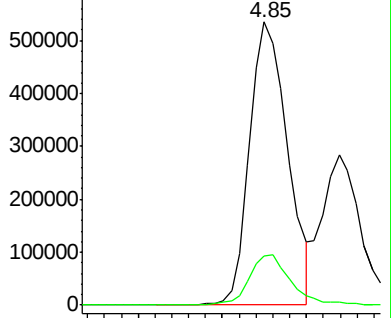
43 100

72 17.1 15.4 23.2

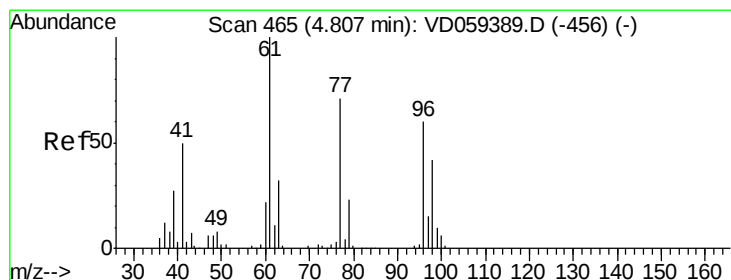
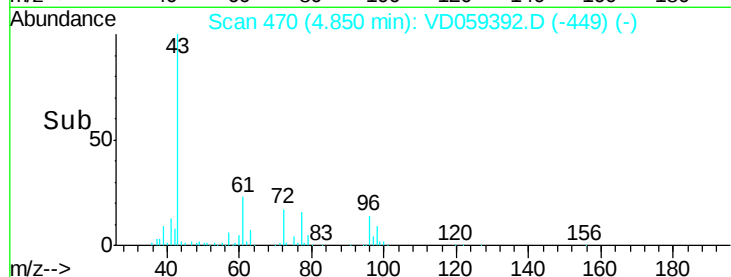


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 125.07 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059392.D

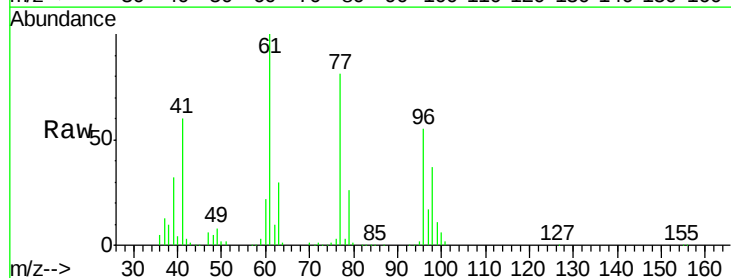
Acq: 25 Jun 2018 2:43

Tgt Ion: 77 Resp: 1633484

Ion Ratio Lower Upper

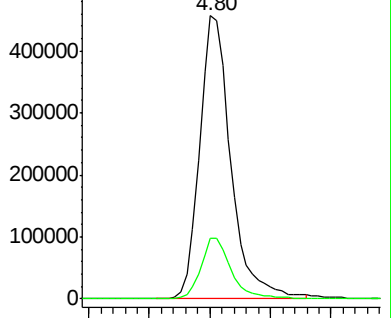
77 100

97 21.3 10.7 32.1

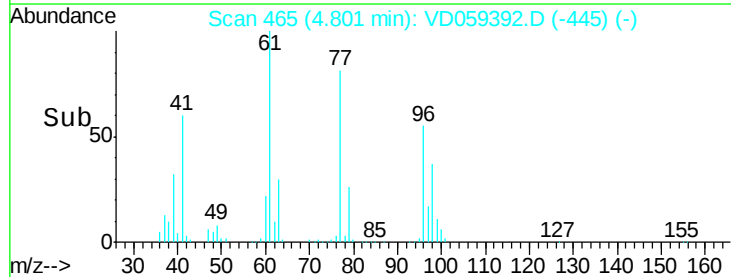


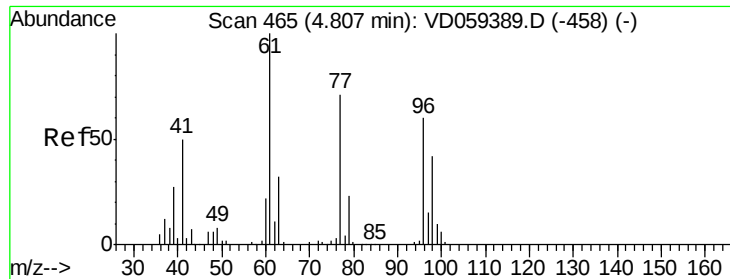
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 131.01 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

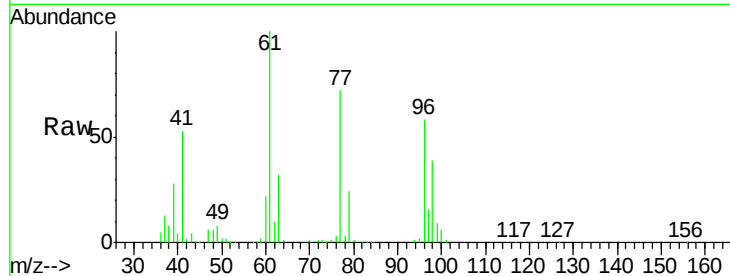
Tot Ion: 96 Resp: 1138236

Ion Ratio Lower Upper

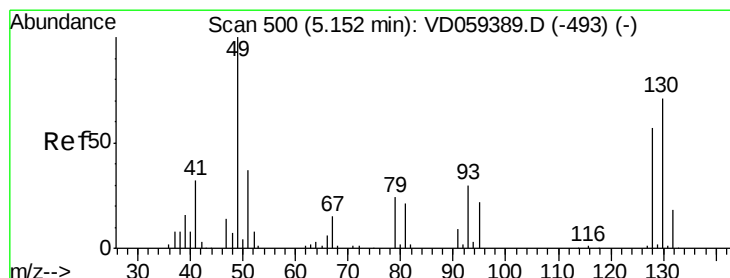
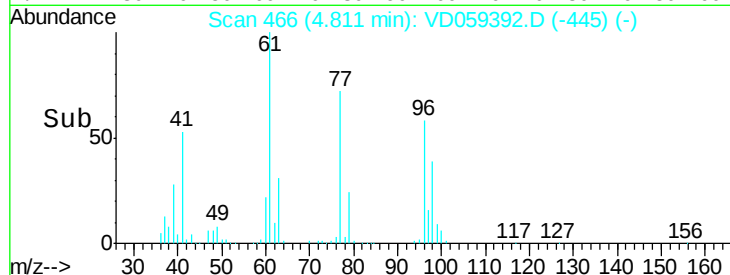
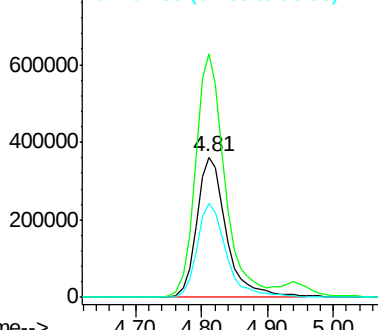
96 100

61 173.3 0.0 335.8

98 66.8 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: 130.44 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

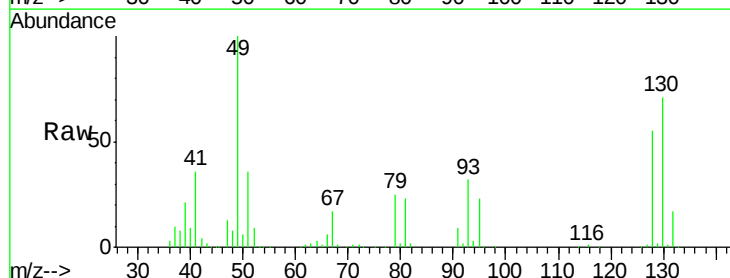
Tgt Ion: 49 Resp: 914967

Ion Ratio Lower Upper

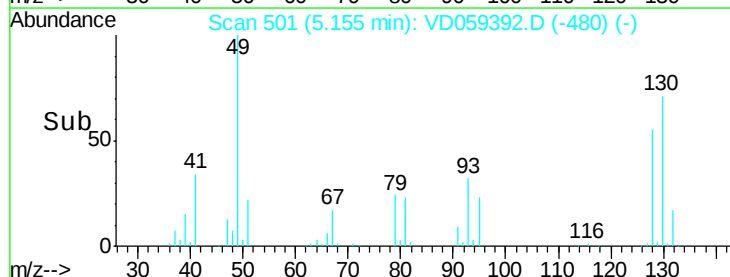
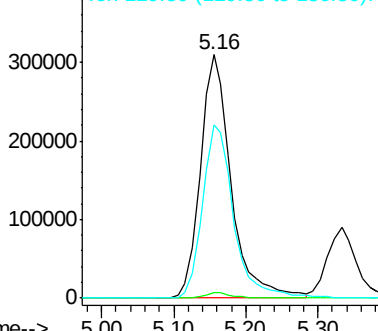
49 100

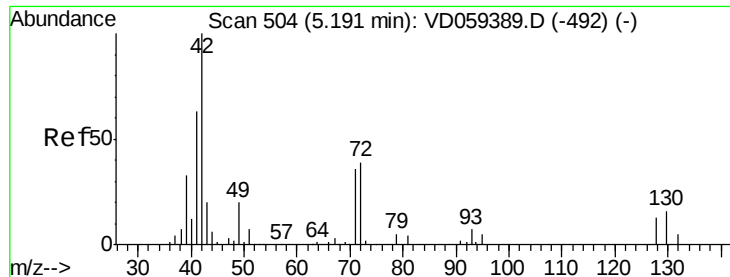
129 2.0 0.0 4.4

130 71.3 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

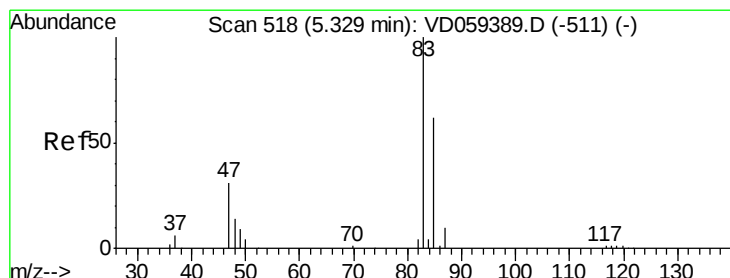
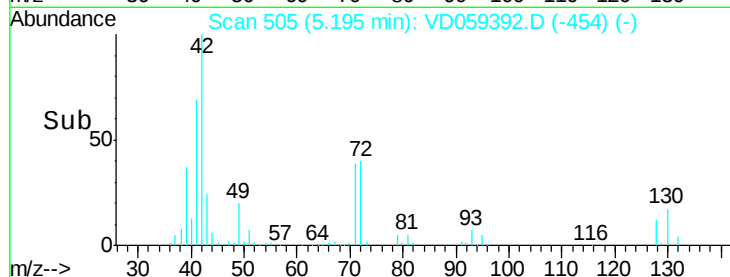
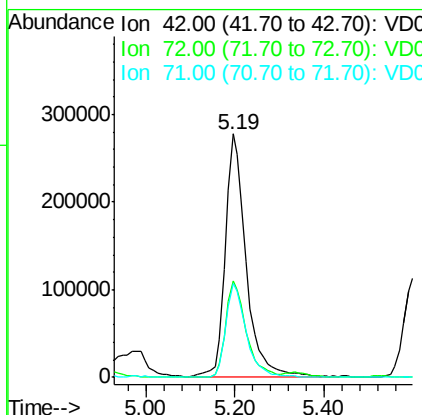
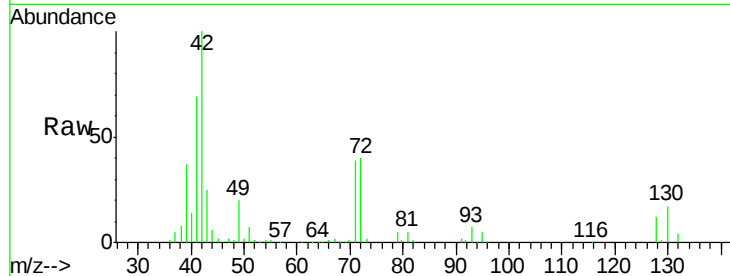




#29
Tetrahydrofuran
Concen: 617.27 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

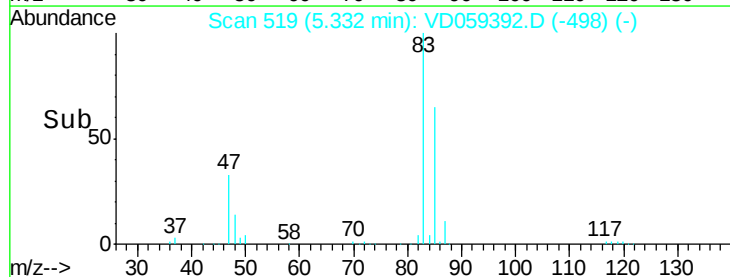
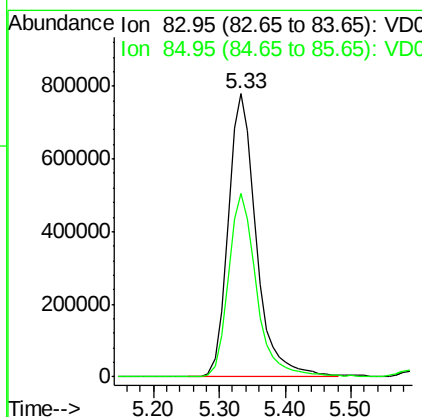
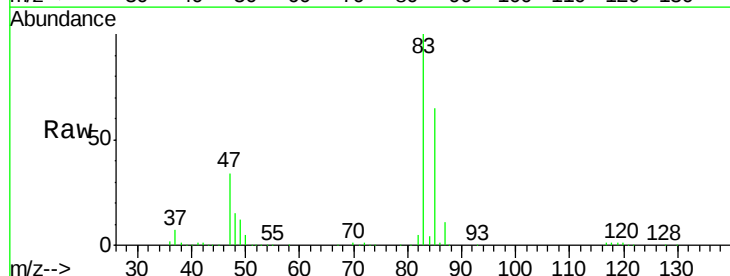
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

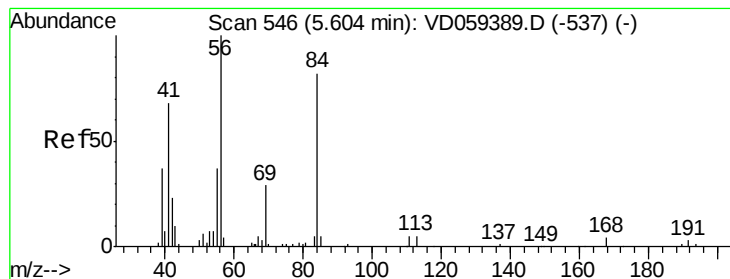
Tot Ion: 42 Resp: 892254
Ion Ratio Lower Upper
42 100
72 39.5 31.4 47.2
71 38.6 29.7 44.5



#30
Chloroform
Concen: 139.76 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 83 Resp: 2329987
Ion Ratio Lower Upper
83 100
85 64.8 49.3 73.9





#31

Cyclohexane

Concen: 104.67 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

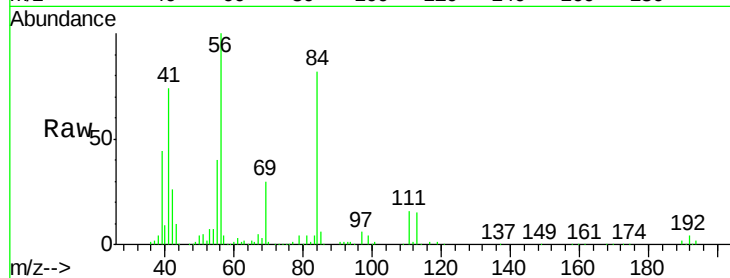
Tot Ion: 56 Resp: 1389709

Ion Ratio Lower Upper

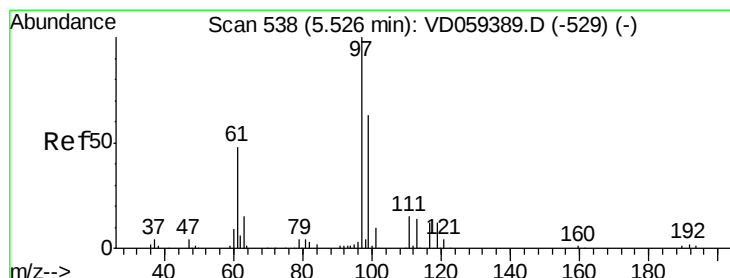
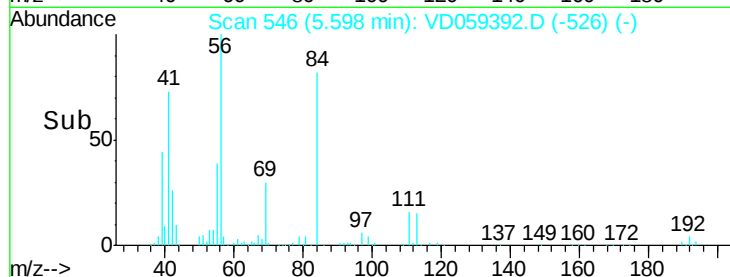
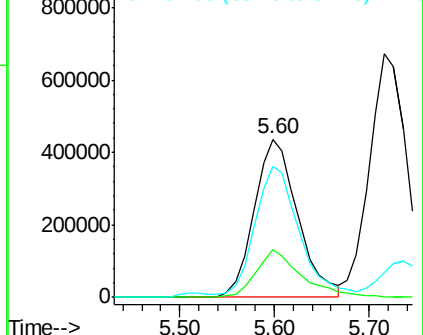
56 100

69 30.1 22.9 34.3

84 82.3 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: 148.77 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

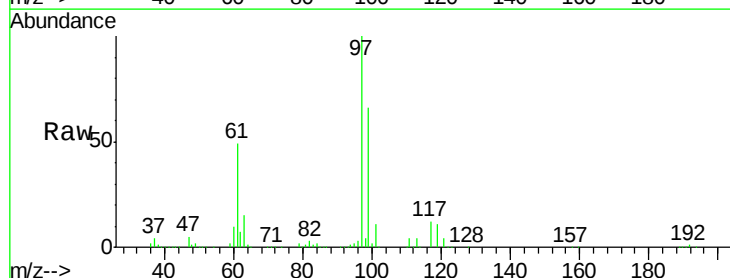
Tgt Ion: 97 Resp: 2051162

Ion Ratio Lower Upper

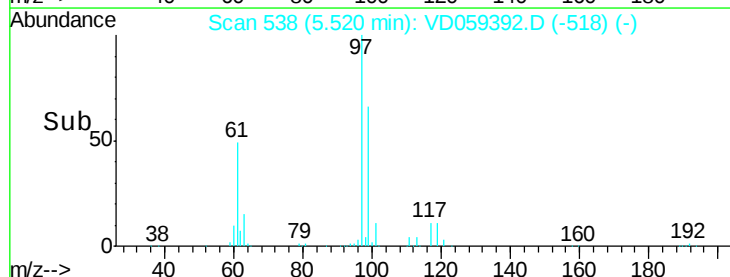
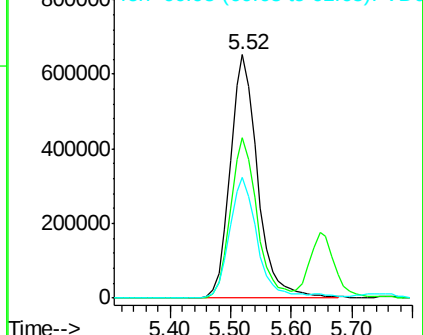
97 100

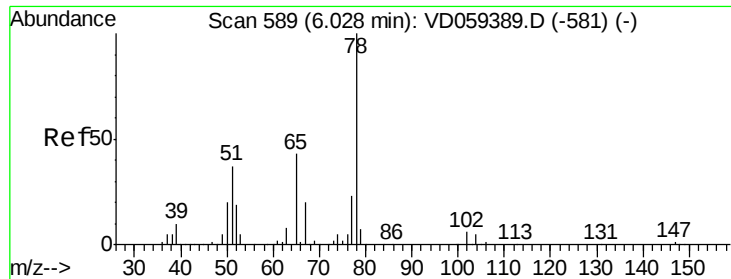
99 65.7 50.2 75.4

61 49.5 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: 148.77 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

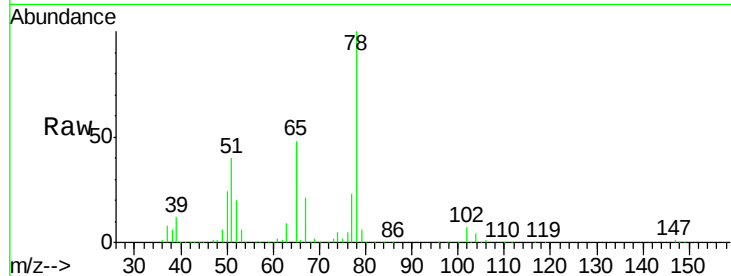
VSTDIC150

Tot Ion: 65 Resp: 1223241

Ion Ratio Lower Upper

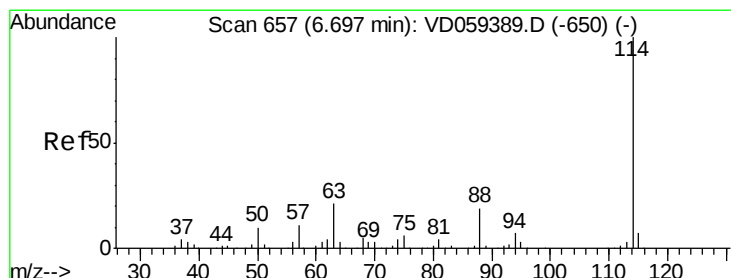
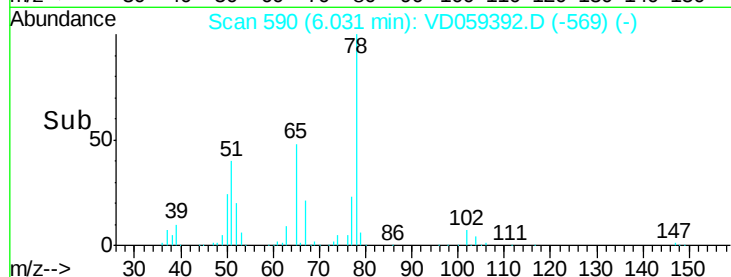
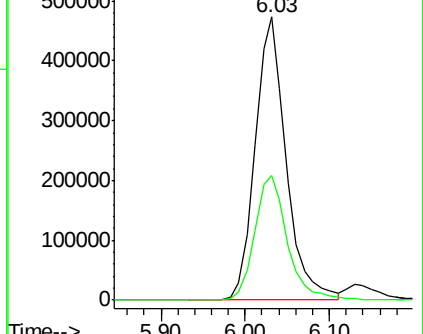
65 100

67 44.0 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: VD059392.D

Acq: 25 Jun 2018 2:43

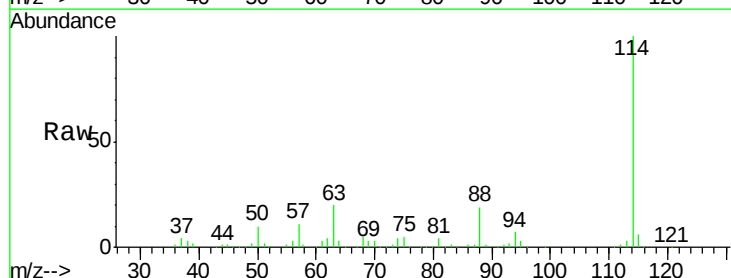
Tgt Ion: 114 Resp: 1258435

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

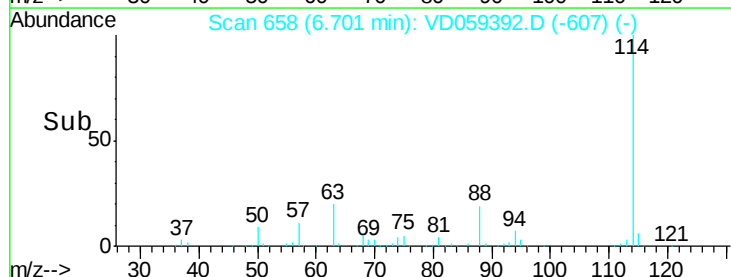
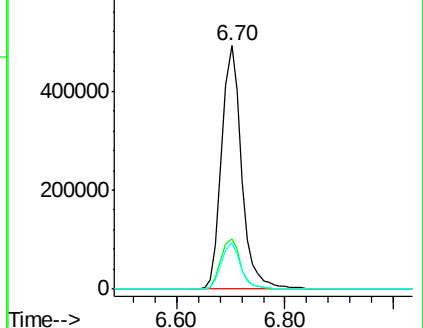
88 19.1 0.0 38.0

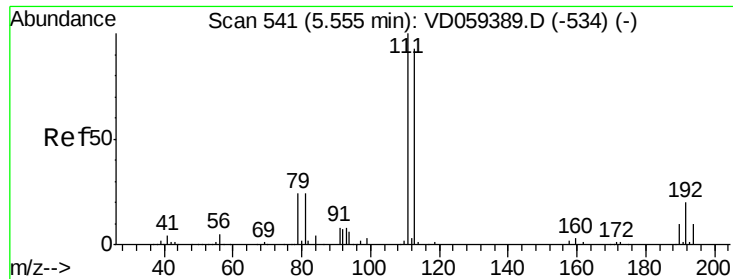


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

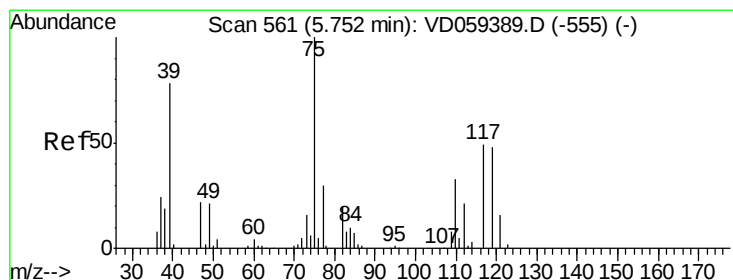
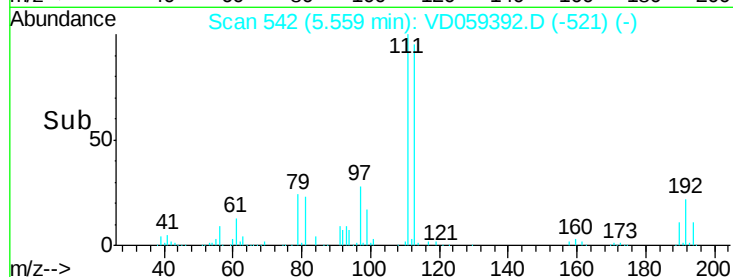
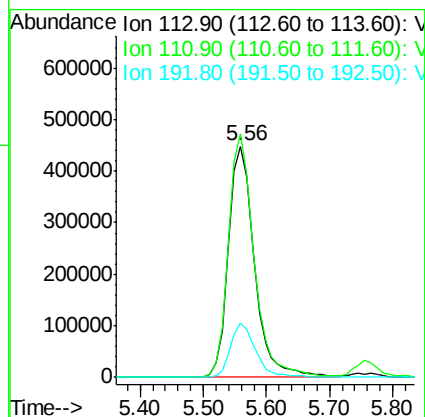
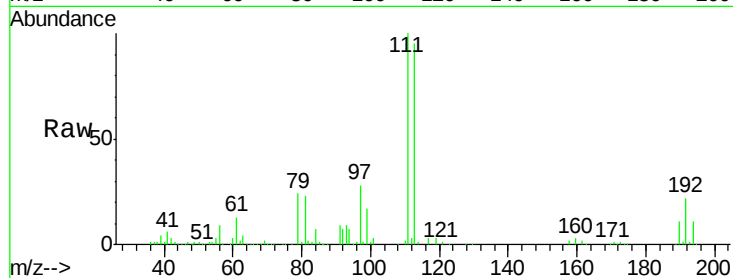




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

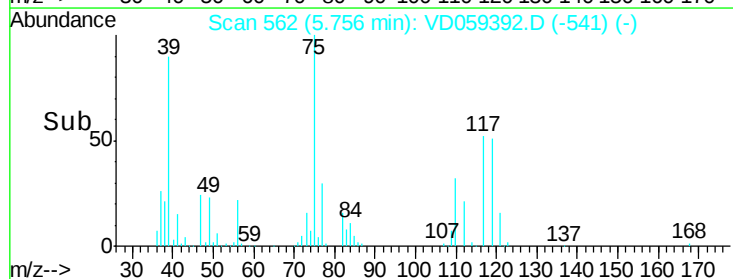
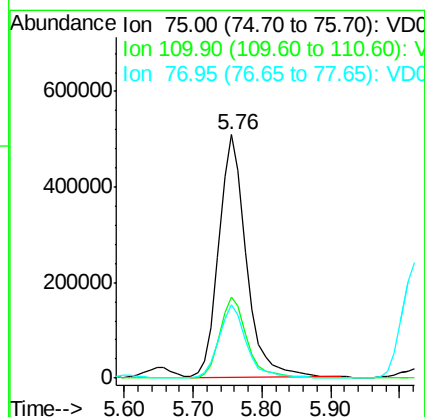
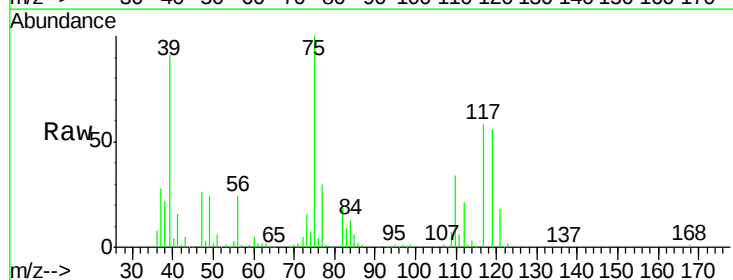
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

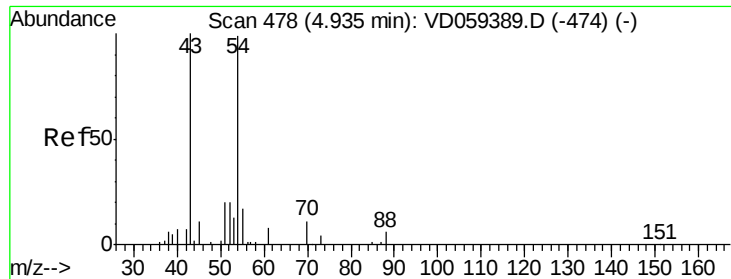
Tot Ion:113 Resp: 1282330
Ion Ratio Lower Upper
113 100
111 105.2 85.7 128.5
192 23.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 113.96 ug/l
RT: 5.76 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 75 Resp: 1396281
Ion Ratio Lower Upper
75 100
110 33.5 16.1 48.2
77 30.1 23.4 35.2

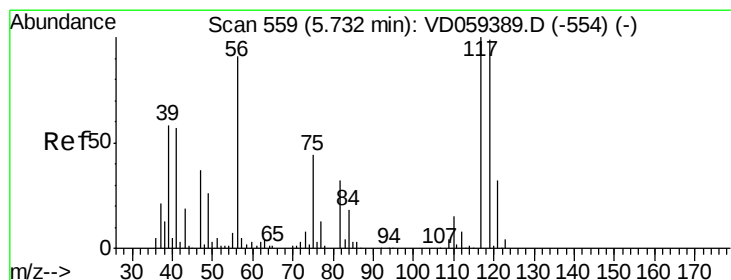
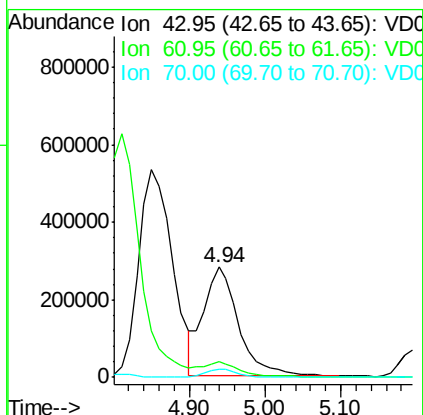
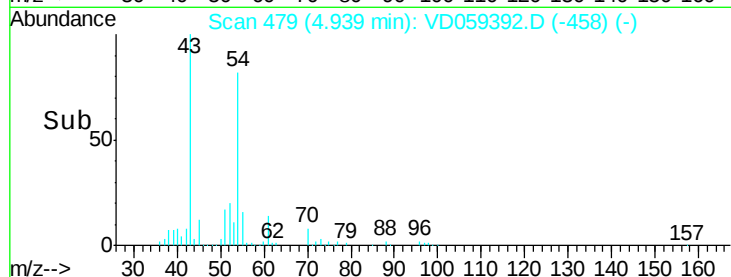
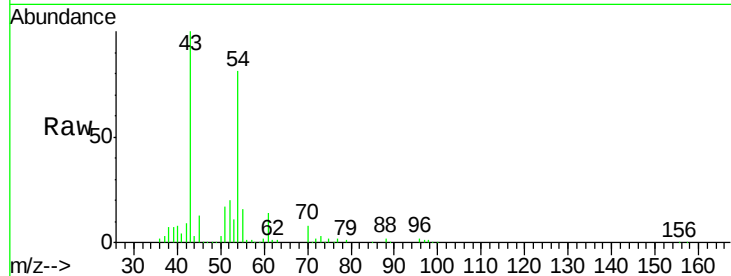




#37
Ethyl Acetate
Concen: 132.56 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

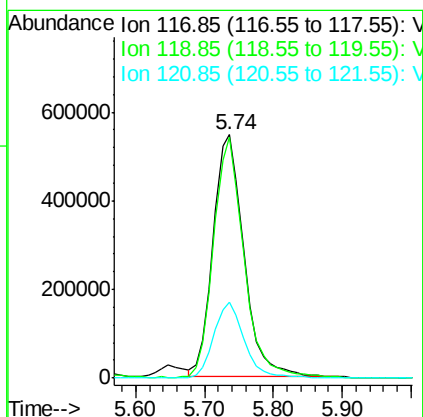
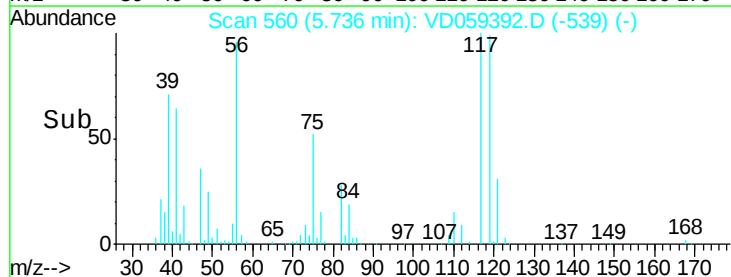
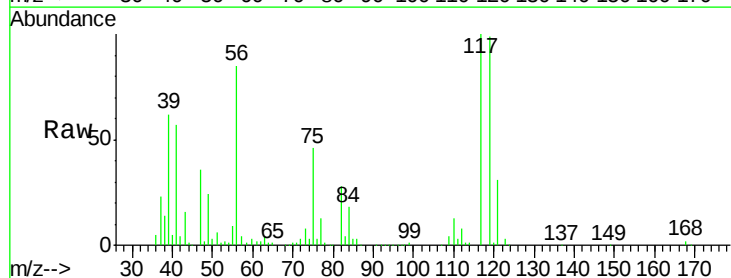
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

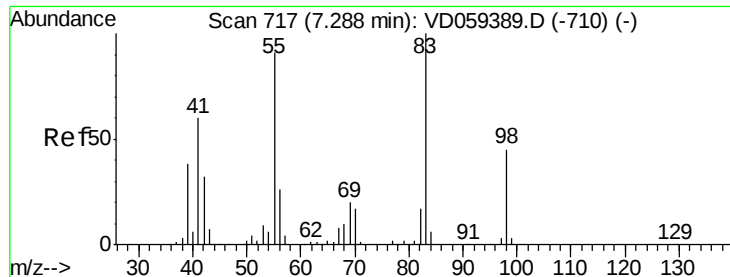
Tot Ion: 43 Resp: 915984
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 7.7 6.1 9.1



#38
Carbon Tetrachloride
Concen: 139.33 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 117 Resp: 1701342
Ion Ratio Lower Upper
117 100
119 99.1 76.6 115.0
121 31.2 25.0 37.4

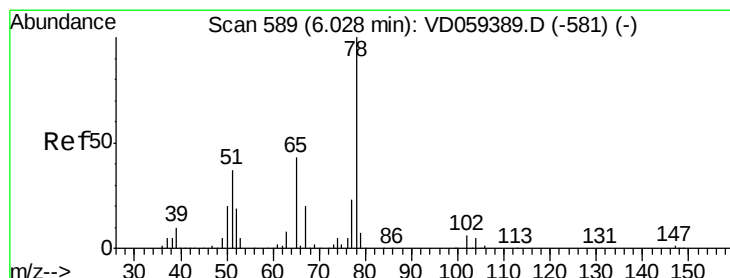
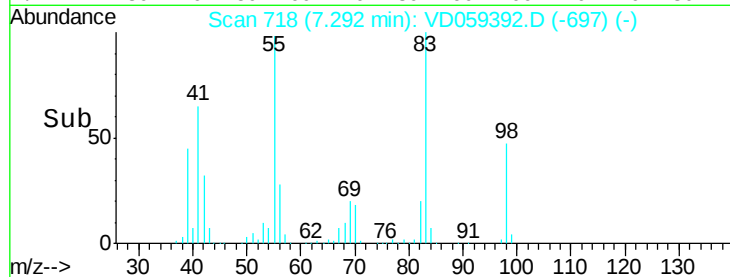
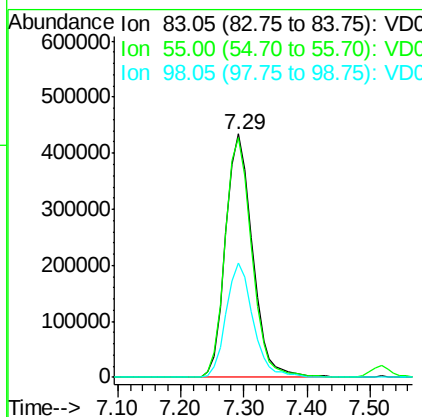
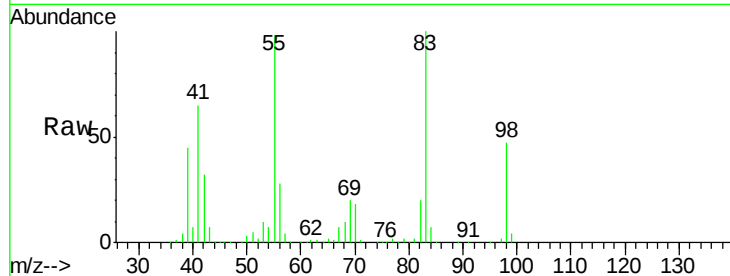




#39
Methylcyclohexane
Concen: 108.42 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

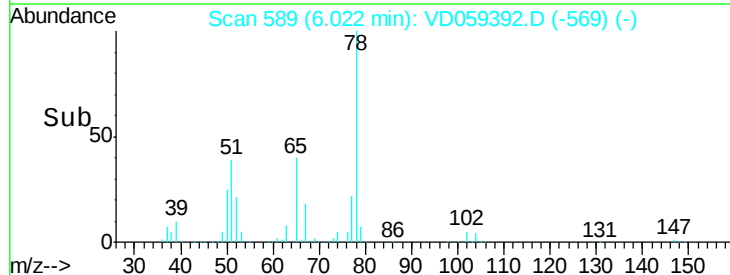
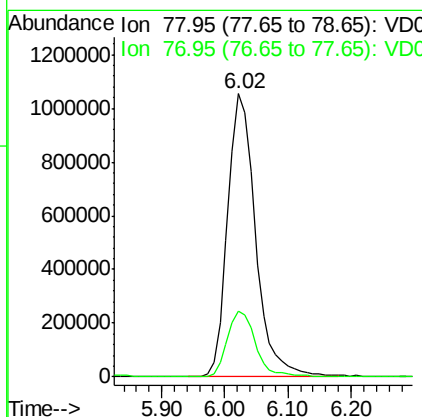
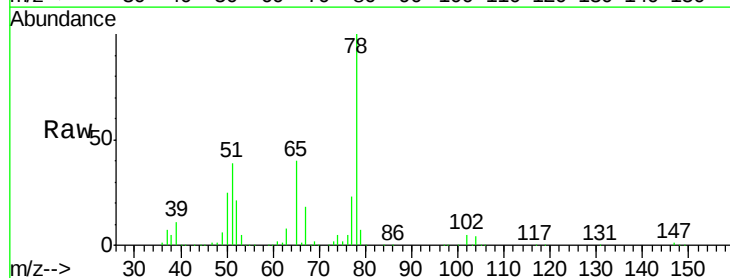
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

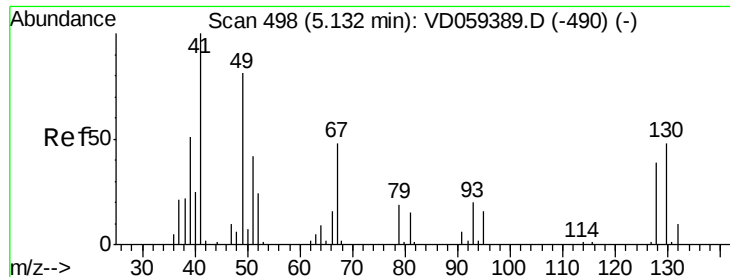
Tot Ion: 83 Resp: 1287609
Ion Ratio Lower Upper
83 100
55 98.4 72.6 109.0
98 46.9 35.8 53.6



#40
Benzene
Concen: 110.46 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 78 Resp: 3237808
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1





#41

Methacrylonitrile

Concen: 126.42 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 432579

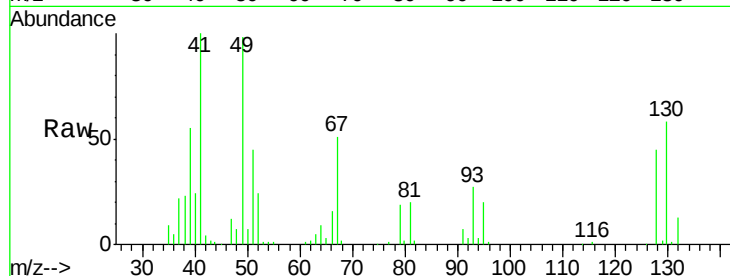
Ion Ratio Lower Upper

41 100

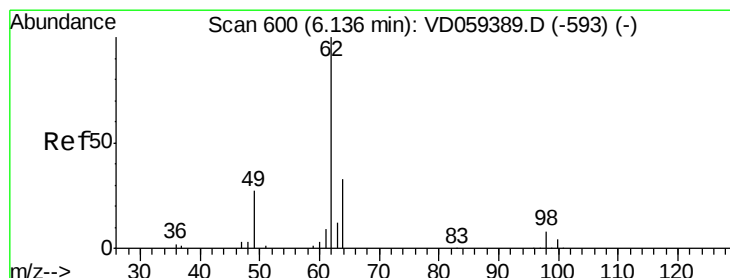
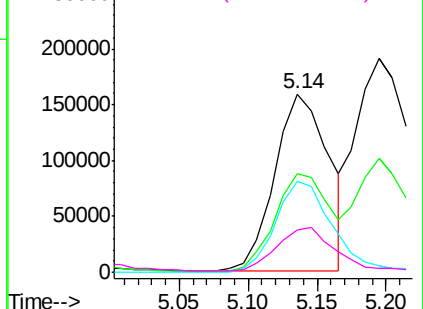
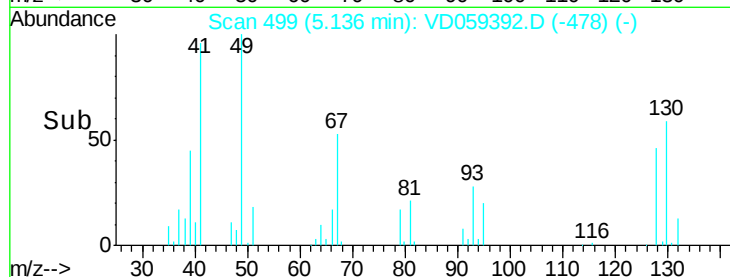
39 55.4 41.5 62.3

67 50.9 38.7 58.1

52 23.7 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: 140.96 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD059392.D

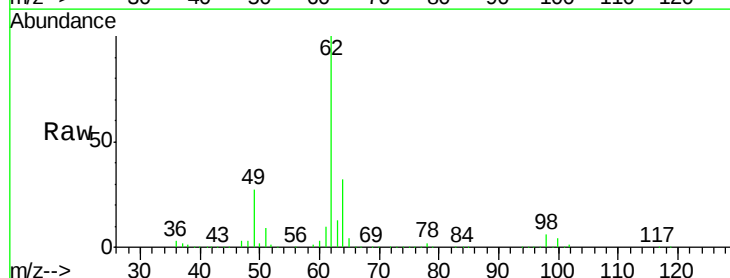
Acq: 25 Jun 2018 2:43

Tgt Ion: 62 Resp: 1677571

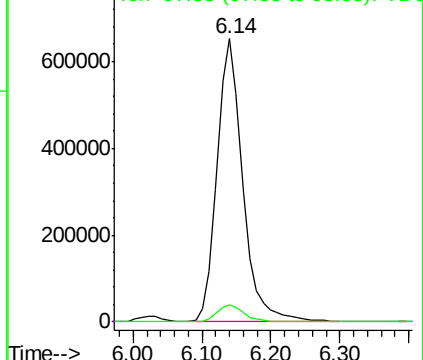
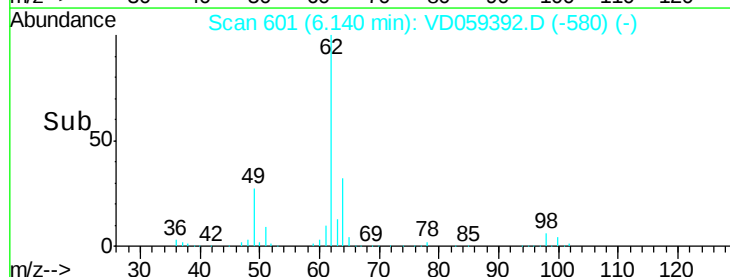
Ion Ratio Lower Upper

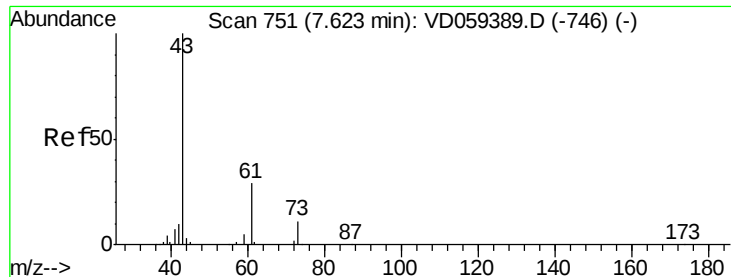
62 100

98 6.3 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



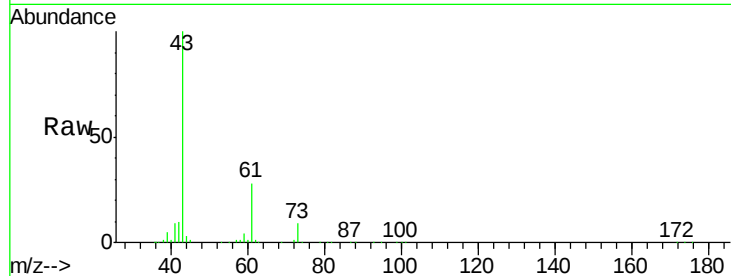


#43

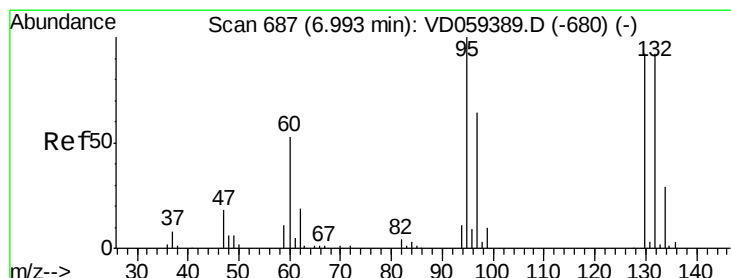
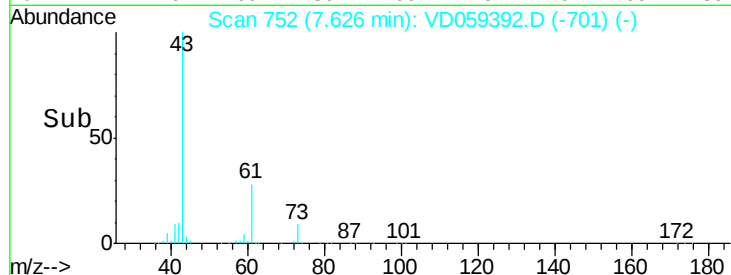
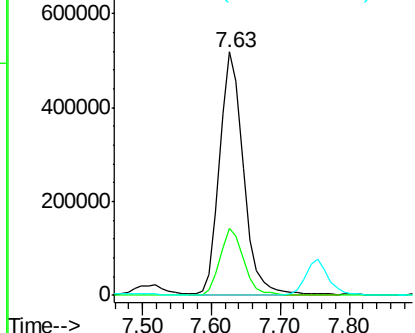
Isopropyl Acetate
 Concen: 135.83 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1241842
 Ion Ratio Lower Upper
 43 100
 61 27.5 23.1 34.7
 87 0.3 0.2 0.4



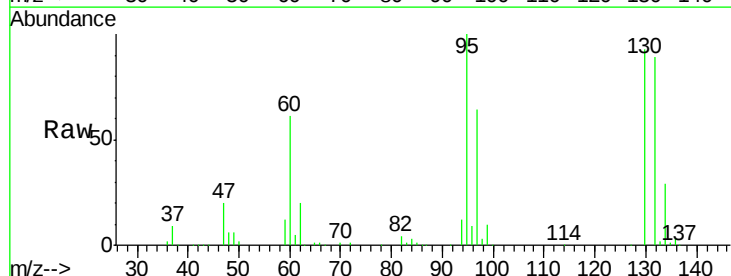
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



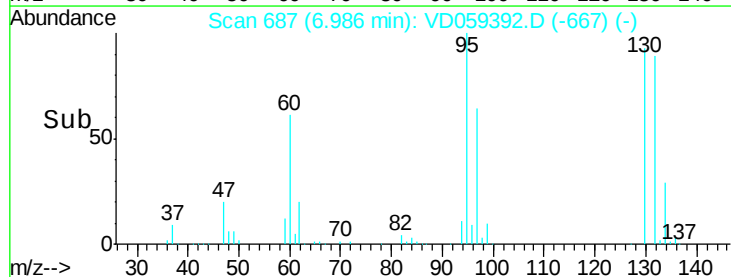
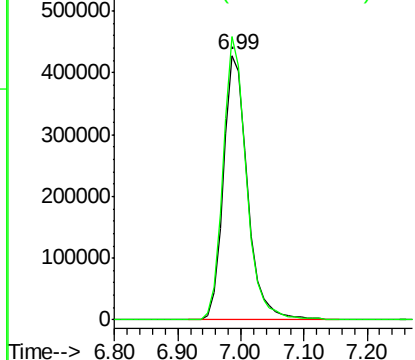
#44

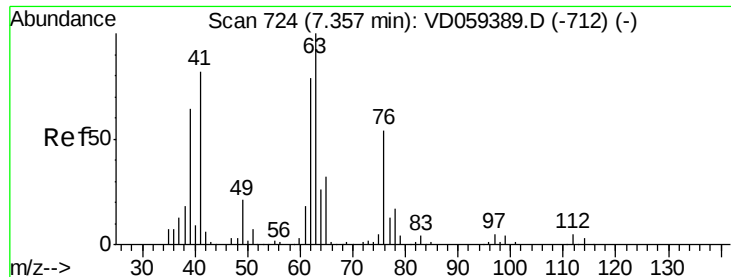
Trichloroethene
 Concen: 127.67 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion:130 Resp: 1129474
 Ion Ratio Lower Upper
 130 100
 95 107.2 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: 126.61 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

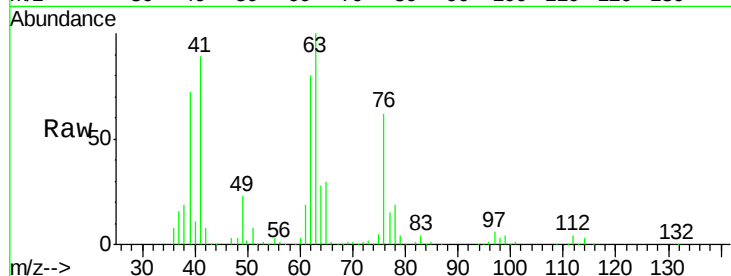
VSTDIC150

Tot Ion: 63 Resp: 989807

Ion Ratio Lower Upper

63 100

65 30.3 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

400000

300000

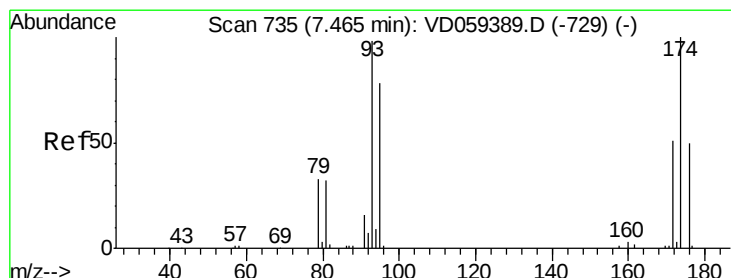
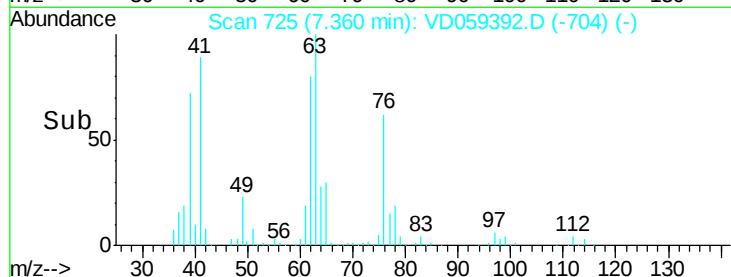
200000

100000

0

7.20 7.40 7.60

Time-->



#46

Dibromomethane

Concen: 137.15 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

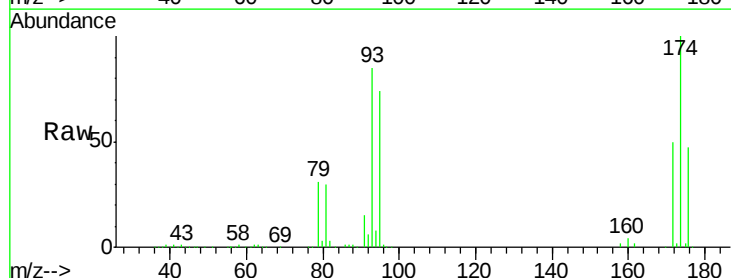
Tgt Ion: 93 Resp: 738740

Ion Ratio Lower Upper

93 100

95 86.5 63.4 95.0

174 117.5 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

400000

300000

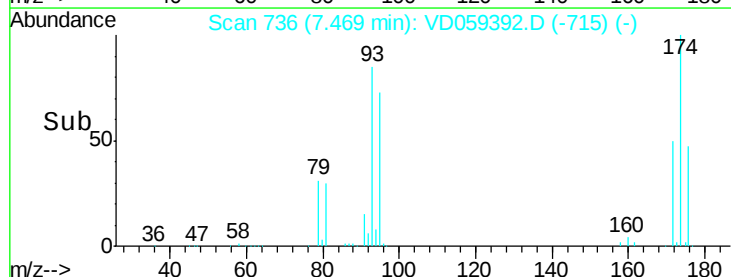
200000

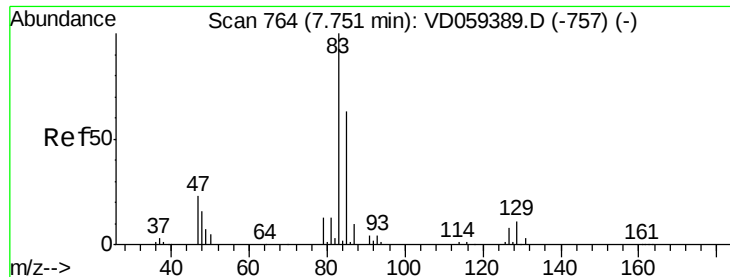
100000

0

7.40 7.50 7.60

Time-->





#47

Bromodichloromethane

Concen: 142.78 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

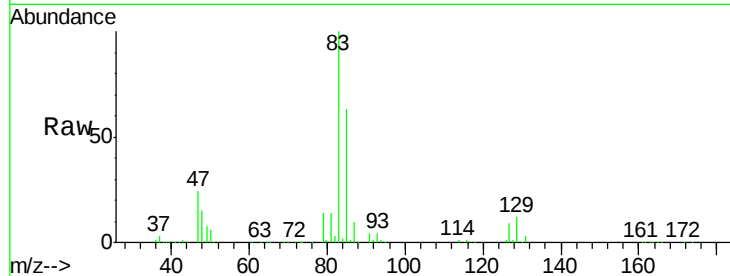
Tot Ion: 83 Resp: 1777940

Ion Ratio Lower Upper

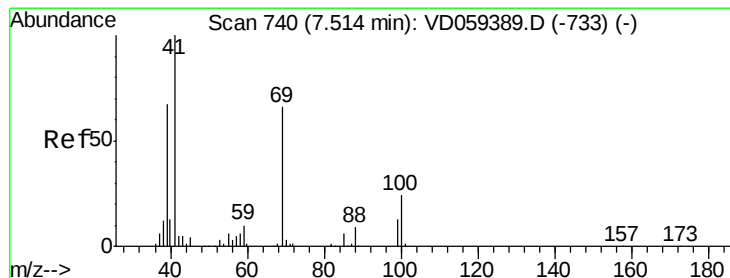
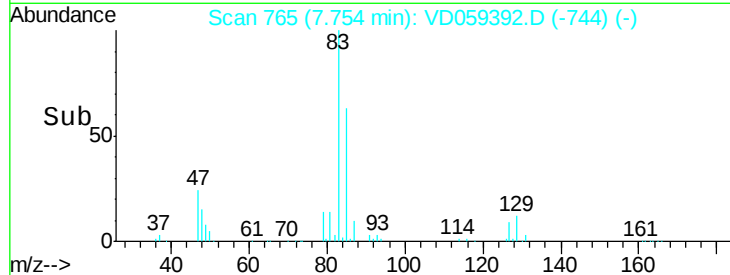
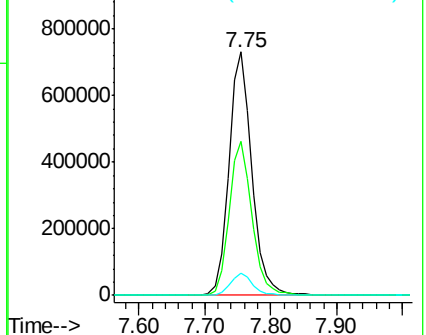
83 100

85 63.3 50.1 75.1

127 9.3 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: 139.32 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

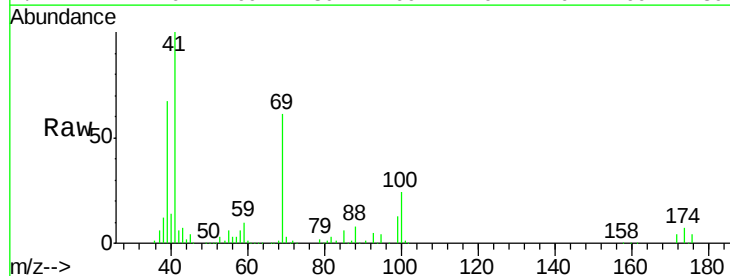
Tgt Ion: 41 Resp: 775598

Ion Ratio Lower Upper

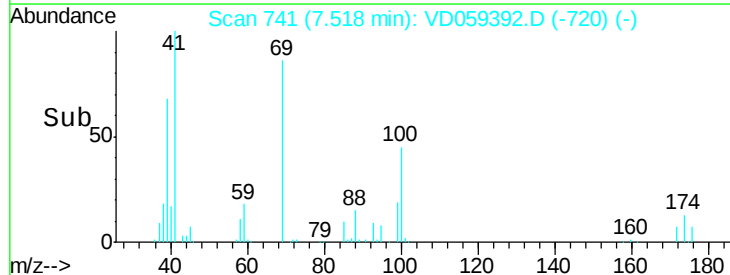
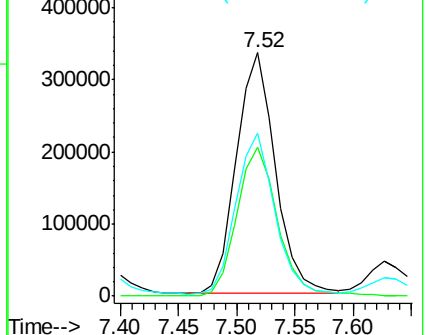
41 100

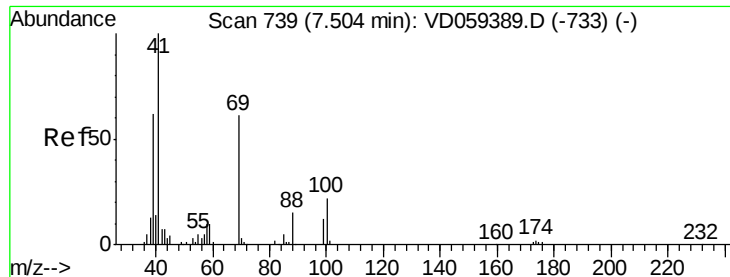
69 61.4 52.6 79.0

39 66.8 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: 2938.95 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

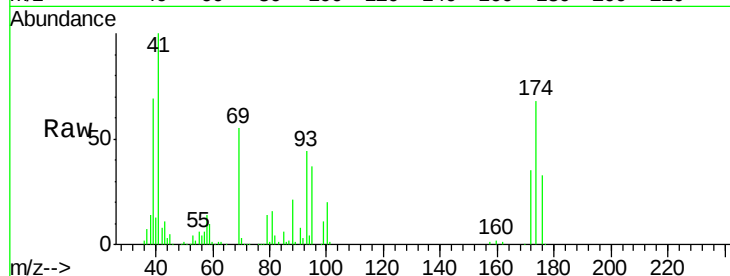
Tot Ion: 88 Resp: 147953

Ion Ratio Lower Upper

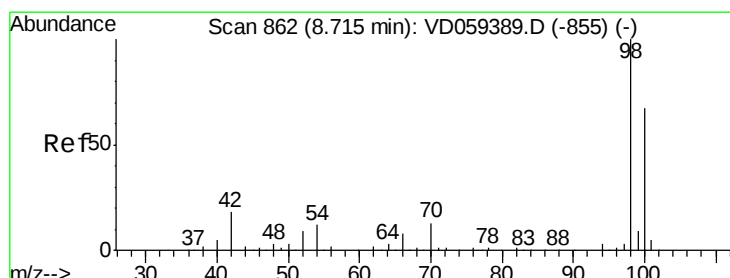
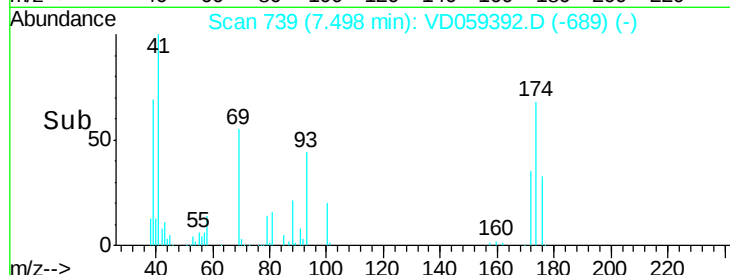
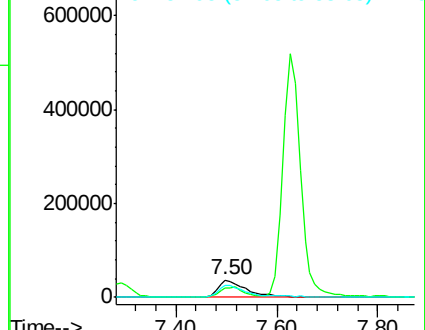
88 100

43 54.2 41.0 61.4

58 65.6 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: 2938.95 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059392.D

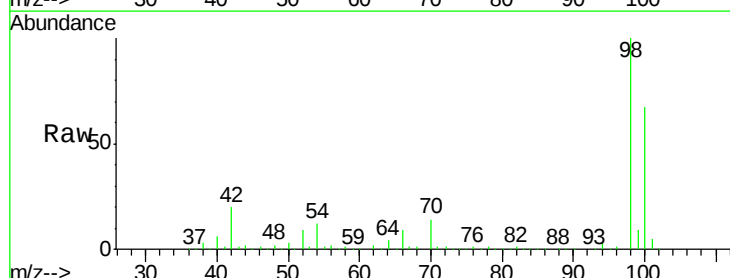
Acq: 25 Jun 2018 2:43

Tgt Ion: 98 Resp: 2817054

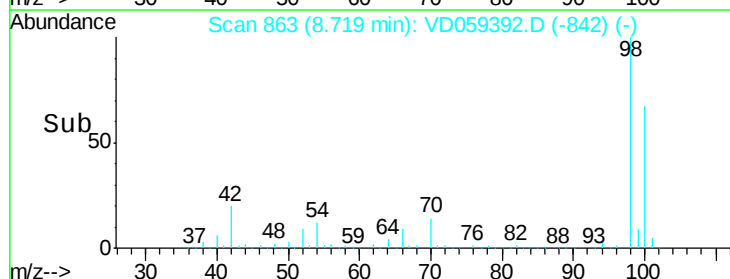
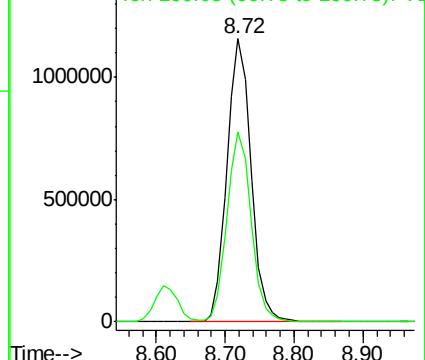
Ion Ratio Lower Upper

98 100

100 67.3 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: 589.71 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

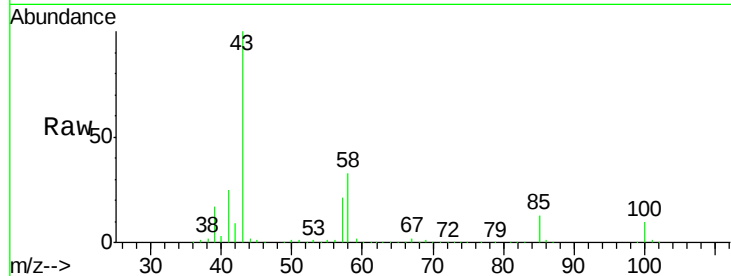
VSTDIC150

Tot Ion: 43 Resp: 3537011

Ion Ratio Lower Upper

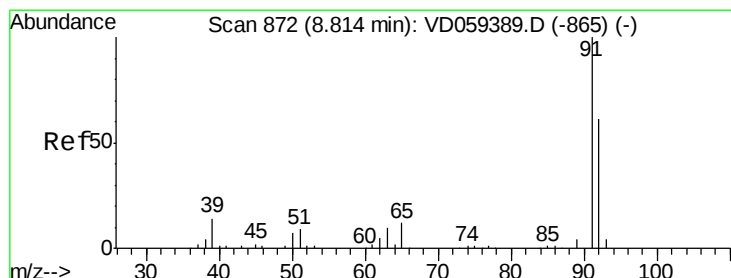
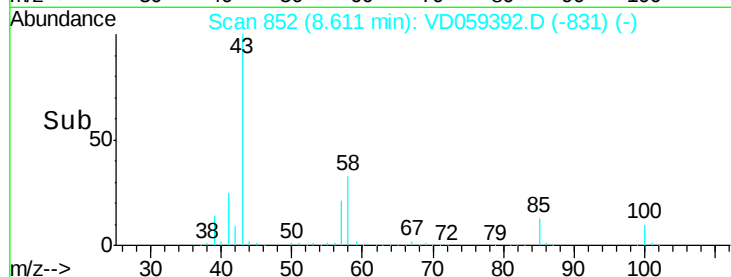
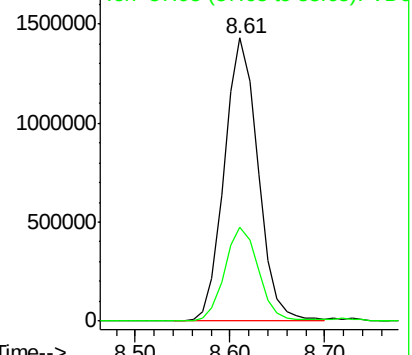
43 100

58 33.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 119.76 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD059392.D

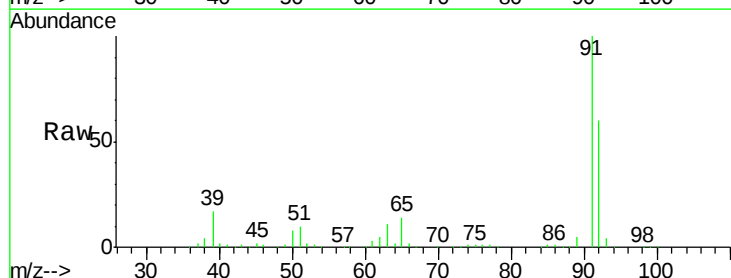
Acq: 25 Jun 2018 2:43

Tgt Ion: 92 Resp: 2004533

Ion Ratio Lower Upper

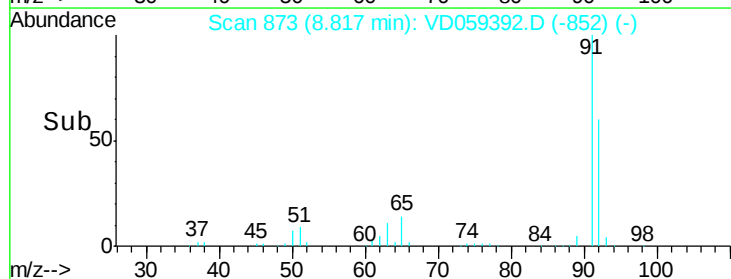
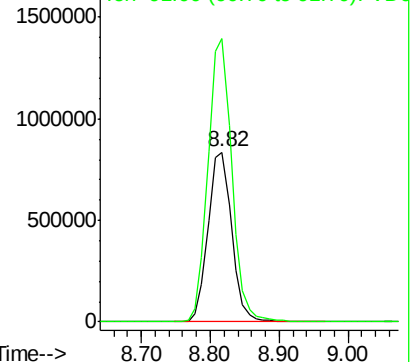
92 100

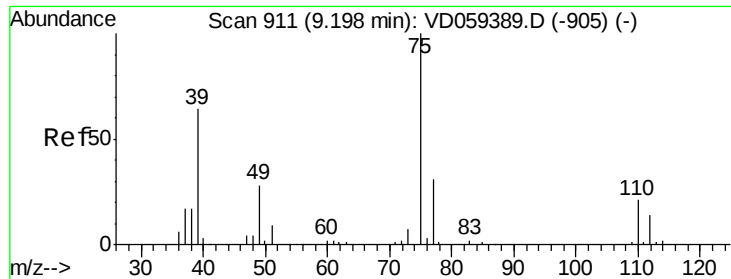
91 166.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

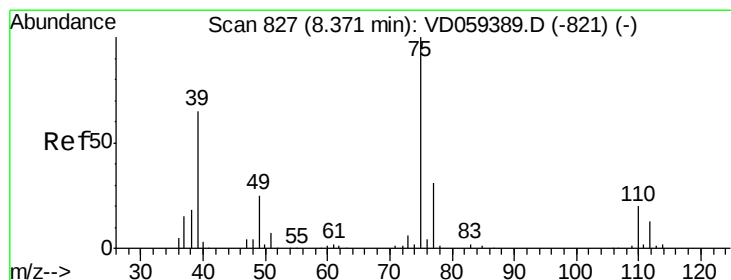
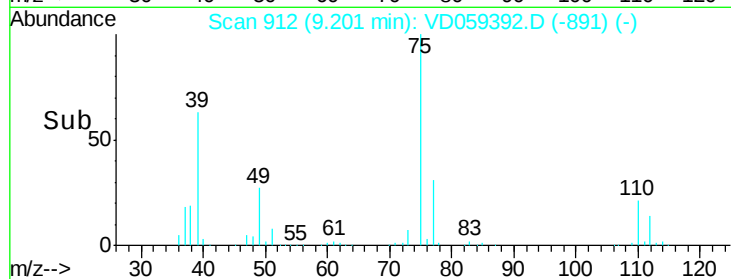
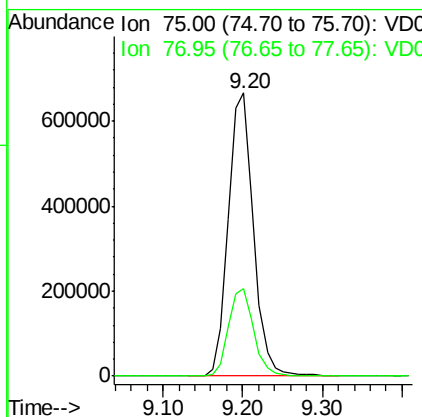
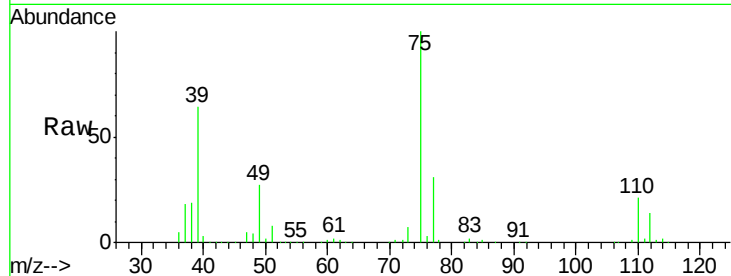




#53
 t-1,3-Dichloropropene
 Concen: 138.43 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

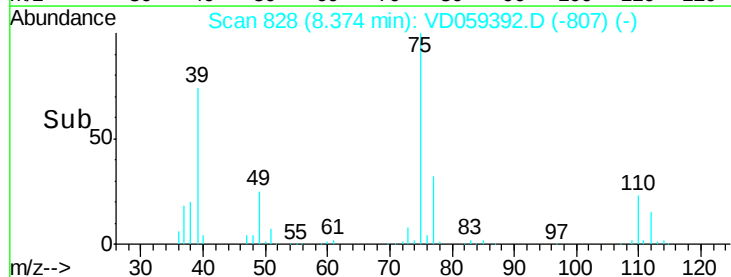
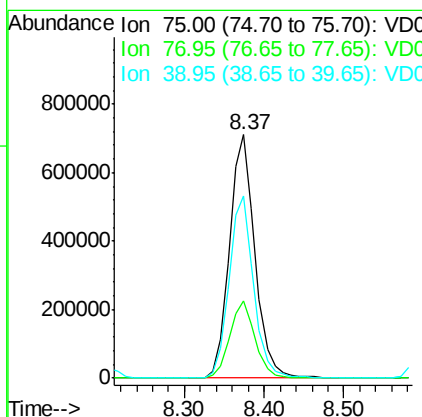
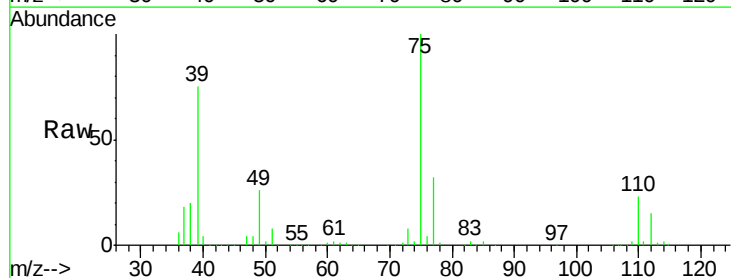
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

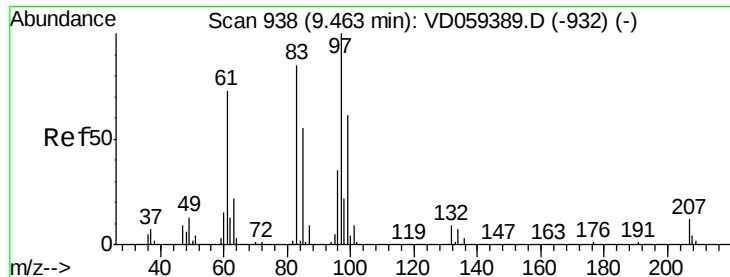
Tot Ion: 75 Resp: 1474213
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 128.11 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion: 75 Resp: 1587153
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.7 37.1
 39 74.7 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 129.46 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 767455

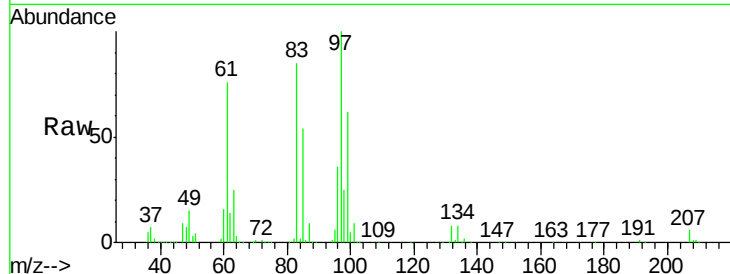
Ion Ratio Lower Upper

97 100

83 84.5 67.7 101.5

85 54.1 44.3 66.5

99 62.1 48.6 73.0

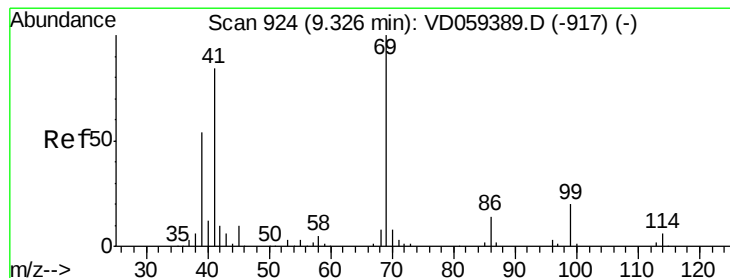
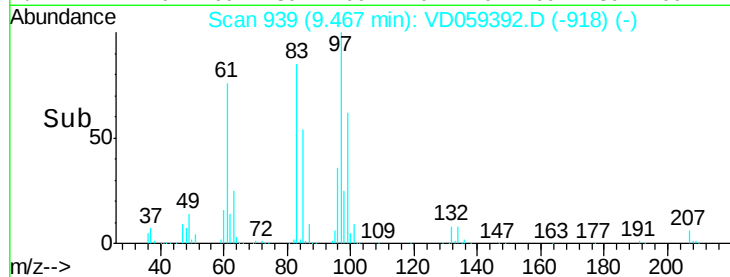
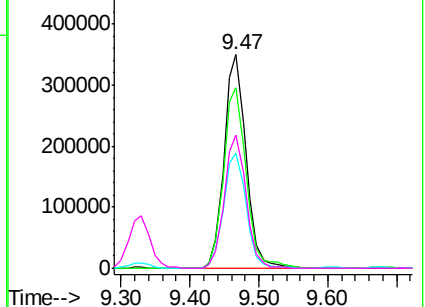


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 129.58 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

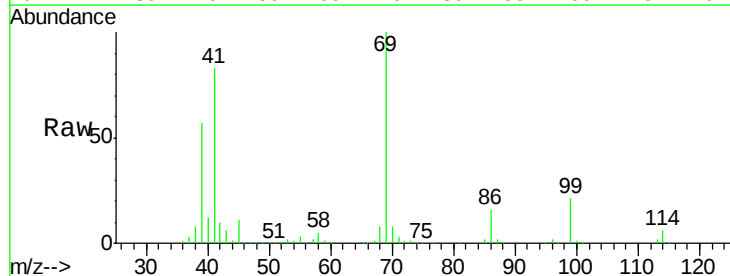
Tgt Ion: 69 Resp: 905374

Ion Ratio Lower Upper

69 100

41 82.9 67.4 101.0

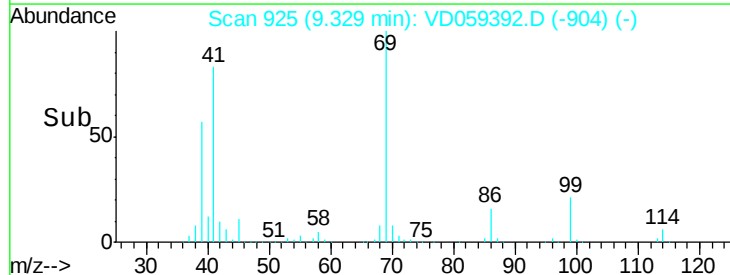
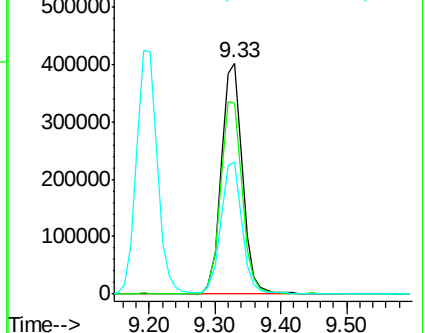
39 57.3 43.7 65.5

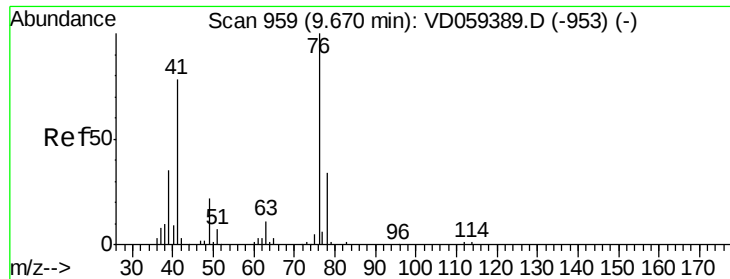


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 128.65 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

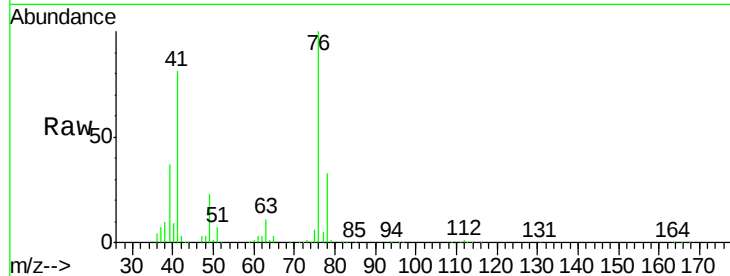
VSTDIC150

Tot Ion: 76 Resp: 1285494

Ion Ratio Lower Upper

76 100

78 32.9 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

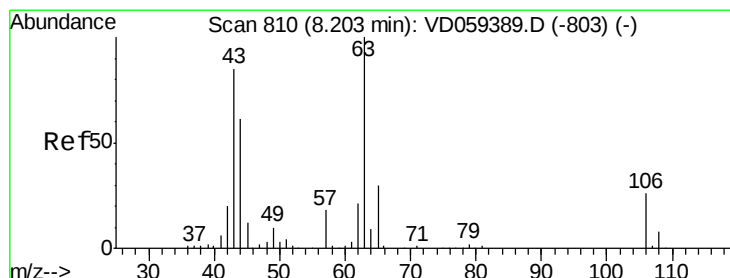
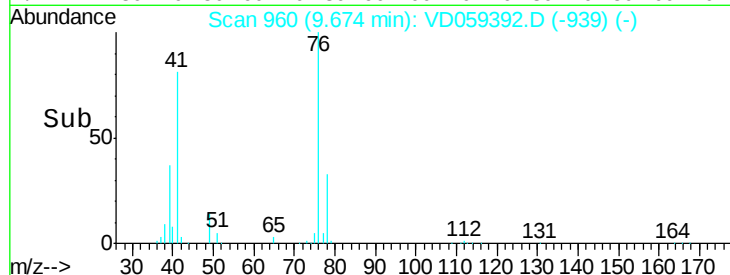
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 576.39 ug/l

RT: 8.21 min Scan# 811

Delta R.T. 0.00 min

Lab File: VD059392.D

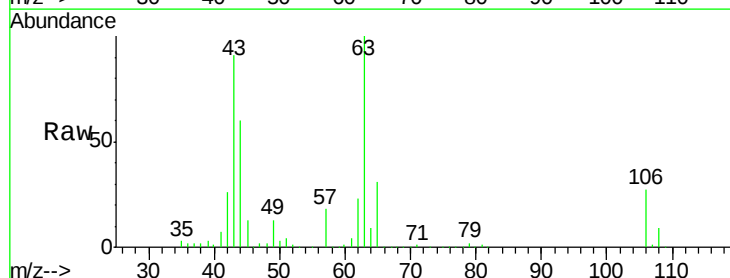
Acq: 25 Jun 2018 2:43

Tgt Ion: 63 Resp: 1997434

Ion Ratio Lower Upper

63 100

106 26.9 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.21

800000

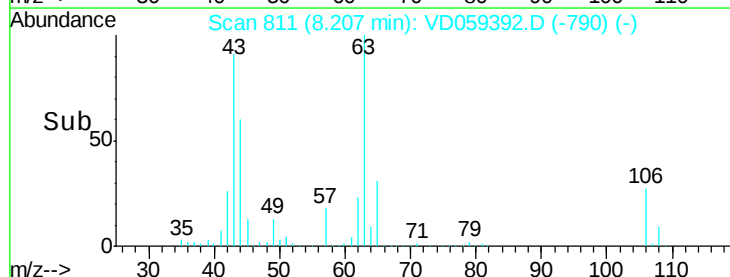
600000

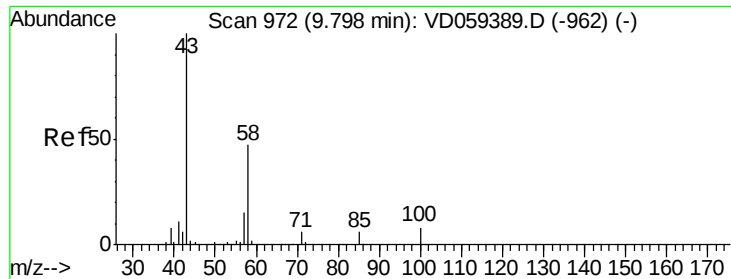
400000

200000

0

Time-->

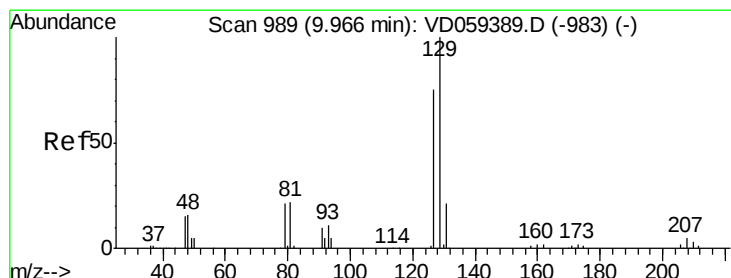
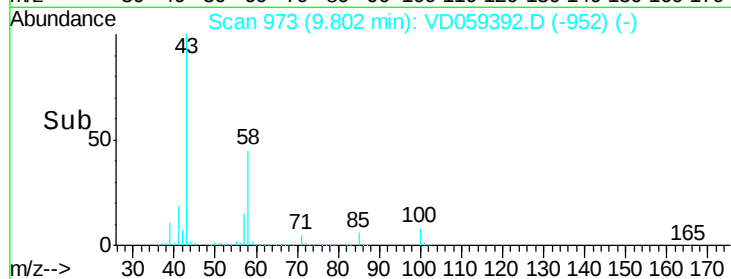
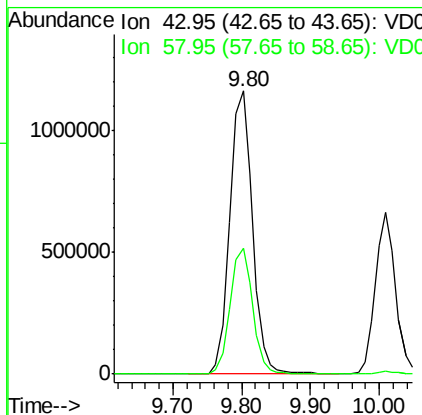
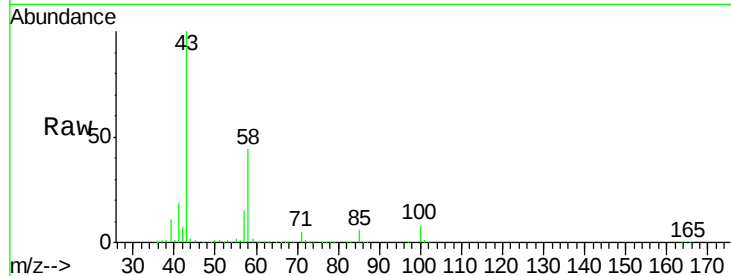




#59
2-Hexanone
Concen: 606.93 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

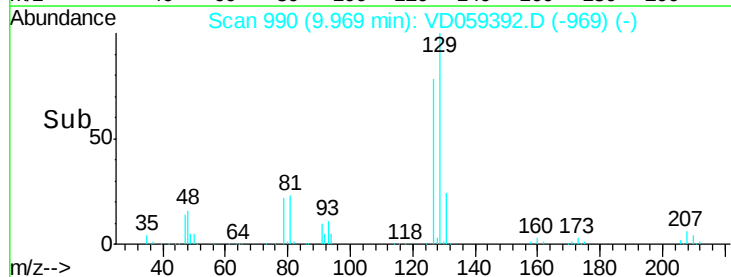
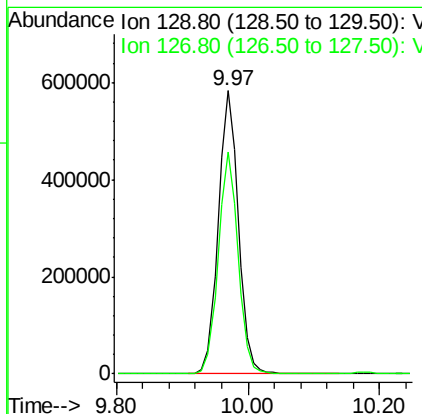
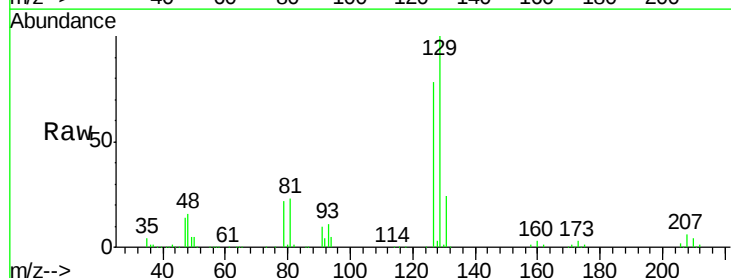
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

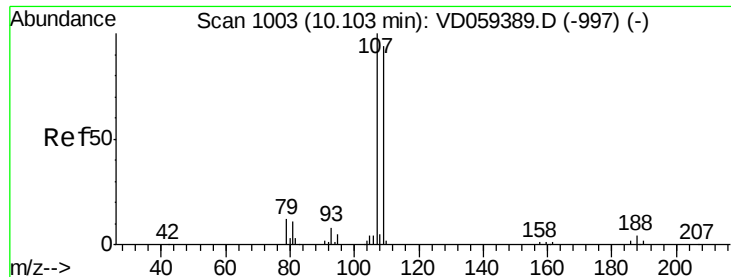
Tot Ion: 43 Resp: 2646032
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.9



#60
Dibromochloromethane
Concen: 153.00 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:129 Resp: 1233523
Ion Ratio Lower Upper
129 100
127 78.3 37.3 111.8





#61

1,2-Dibromoethane

Concen: 140.94 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

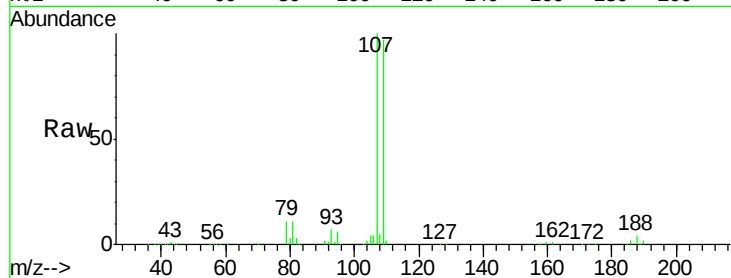
VSTDIC150

Tot Ion:107 Resp: 908504

Ion Ratio Lower Upper

107 100

109 97.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.11

400000

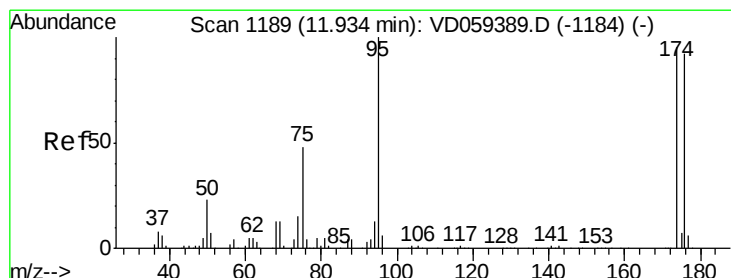
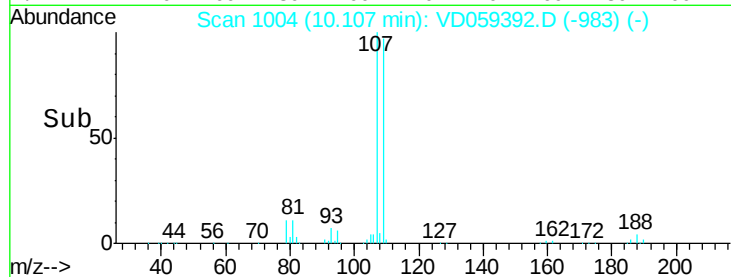
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 140.94 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

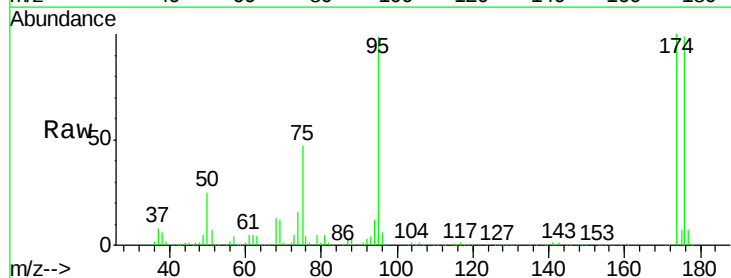
Tgt Ion: 95 Resp: 1137991

Ion Ratio Lower Upper

95 100

174 101.4 0.0 190.4

176 100.6 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

11.94

1000000

800000

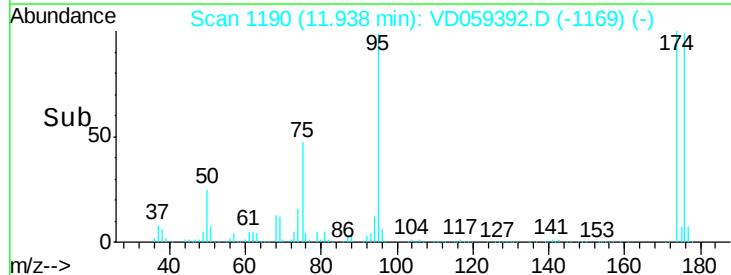
600000

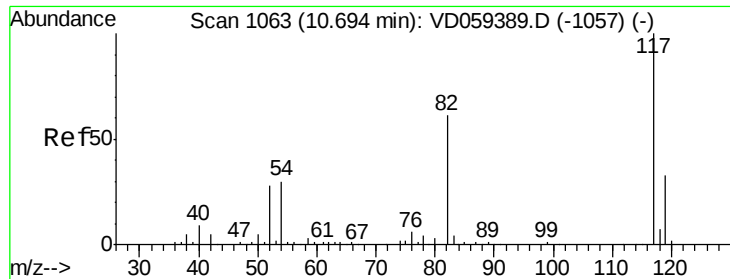
400000

200000

0

Time-->

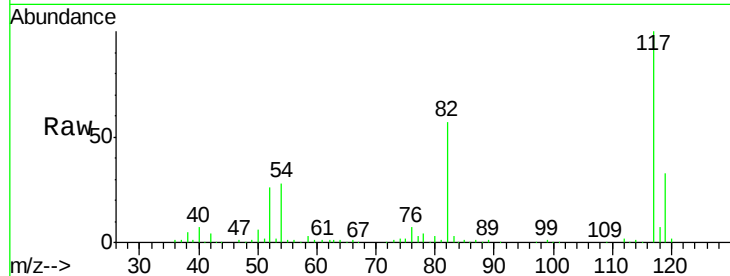




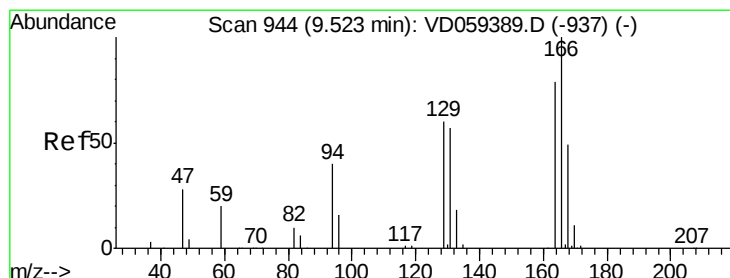
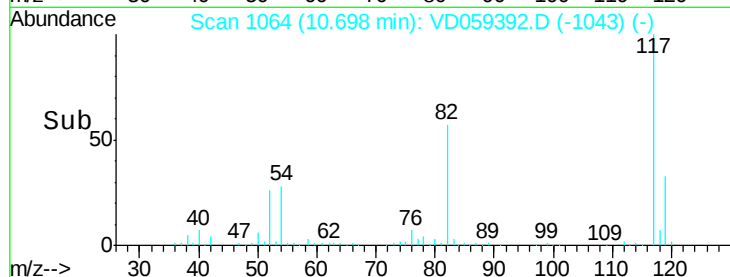
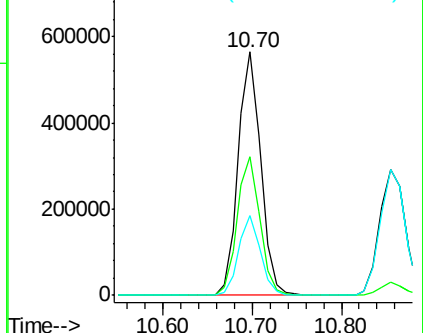
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1002170
Ion Ratio Lower Upper
117 100
82 56.9 49.0 73.6
119 32.8 26.2 39.4

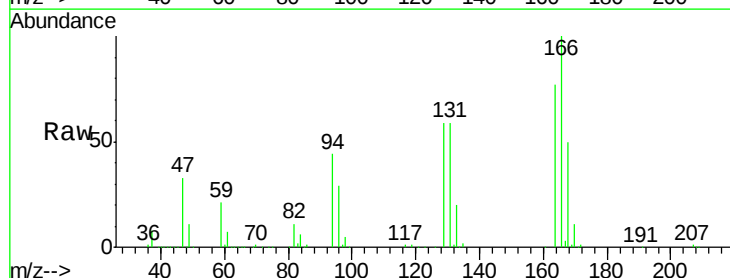


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

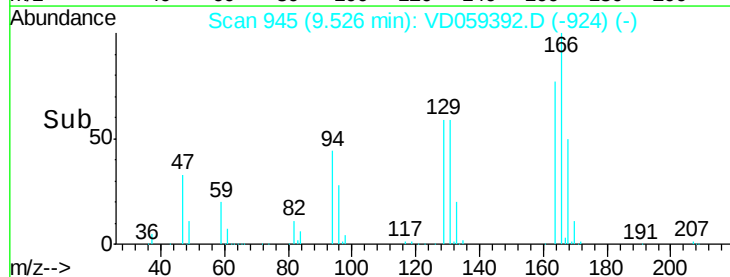
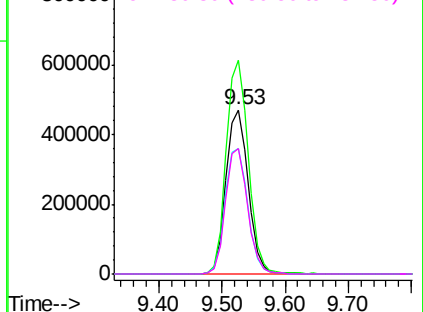


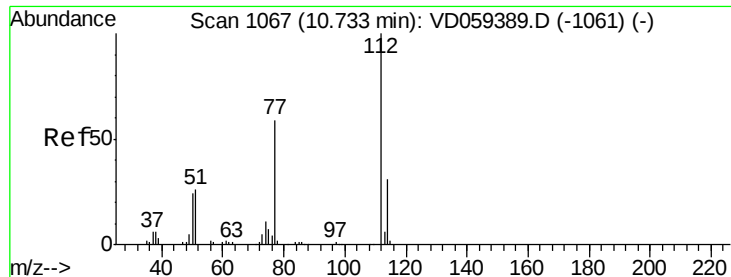
#64
Tetrachloroethene
Concen: 135.83 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:164 Resp: 1144632
Ion Ratio Lower Upper
164 100
166 130.1 101.4 152.2
129 76.5 60.9 91.3
131 76.5 58.2 87.4



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

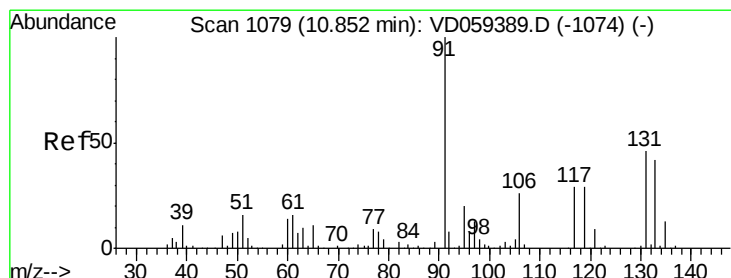
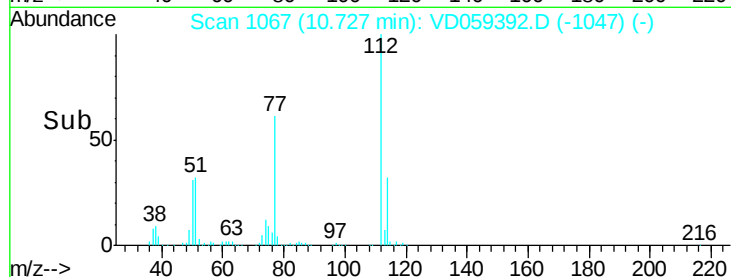
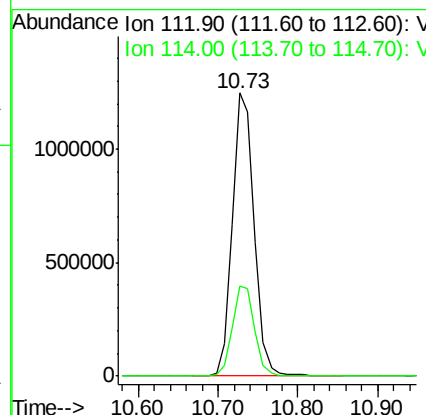
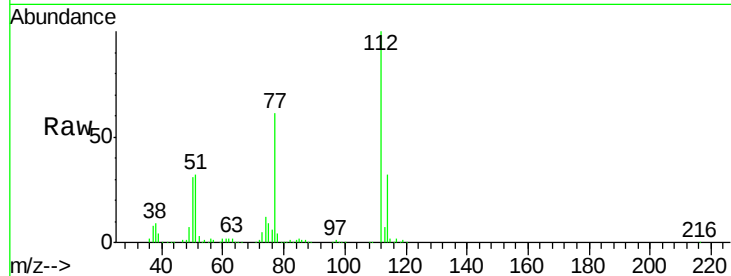




#65
Chlorobenzene
Concen: 128.51 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

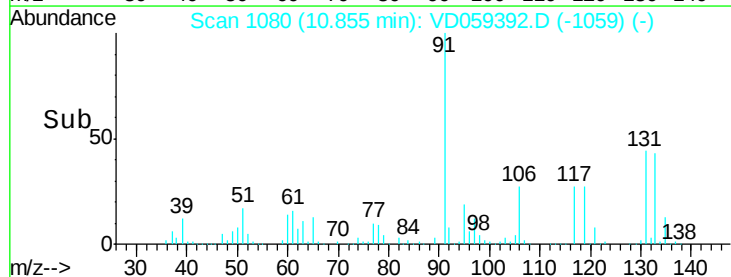
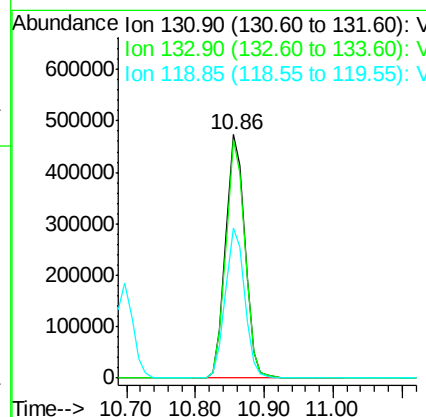
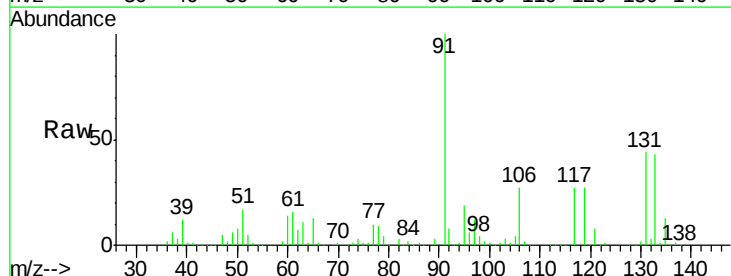
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

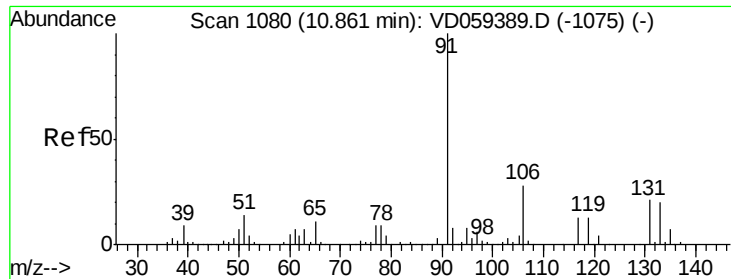
Tot Ion:112 Resp: 2394920
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 127.92 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:131 Resp: 928122
Ion Ratio Lower Upper
131 100
133 97.7 45.7 137.1
119 61.5 32.3 96.9

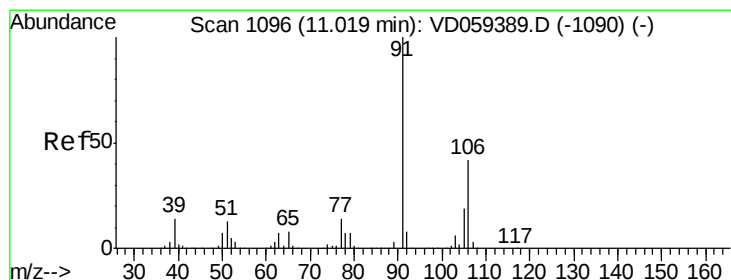
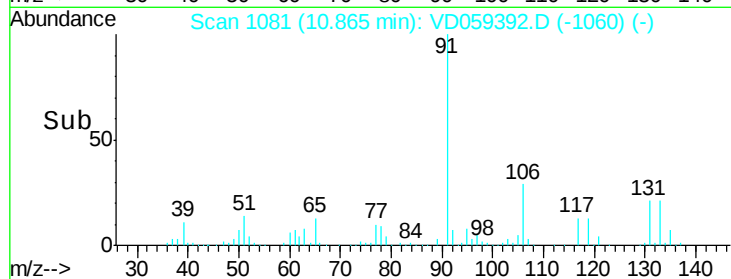
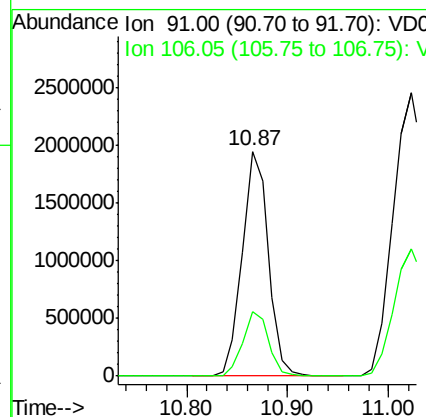
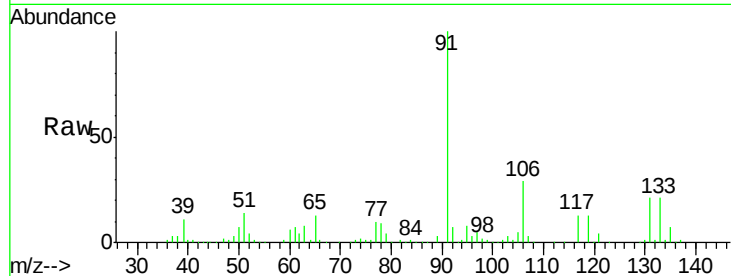




#67
Ethyl Benzene
Concen: 106.46 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

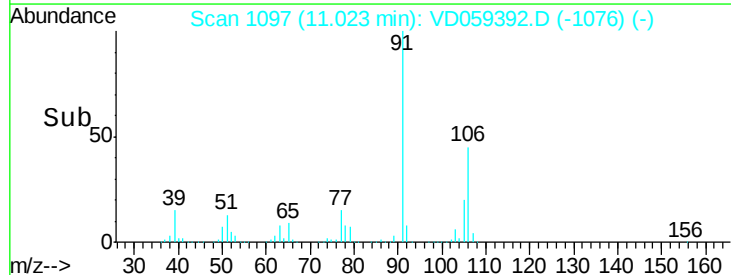
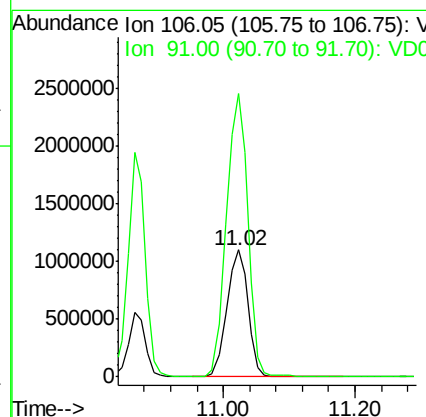
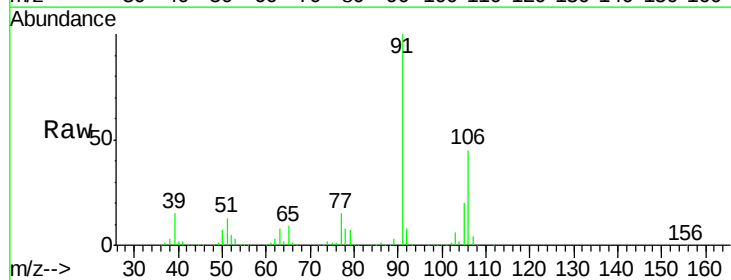
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

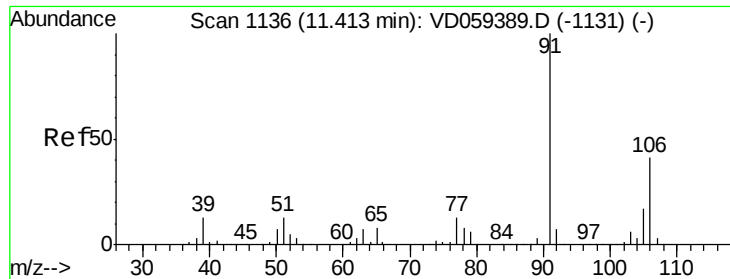
Tot Ion: 91 Resp: 3508079
Ion Ratio Lower Upper
91 100
106 28.9 22.3 33.5



#68
m/p-Xylenes
Concen: 224.27 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 106 Resp: 2454670
Ion Ratio Lower Upper
106 100
91 223.3 191.0 286.6

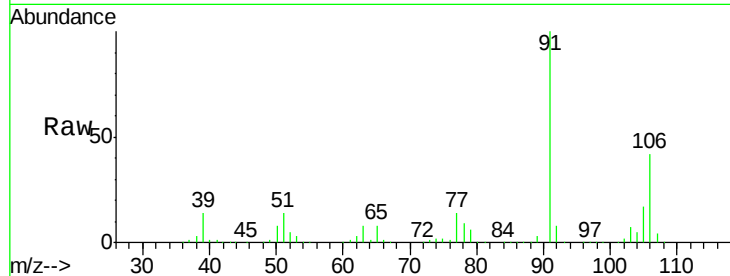




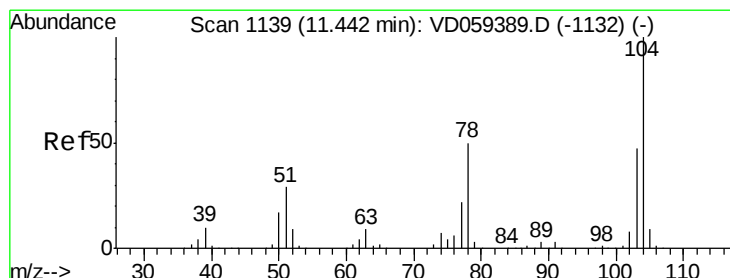
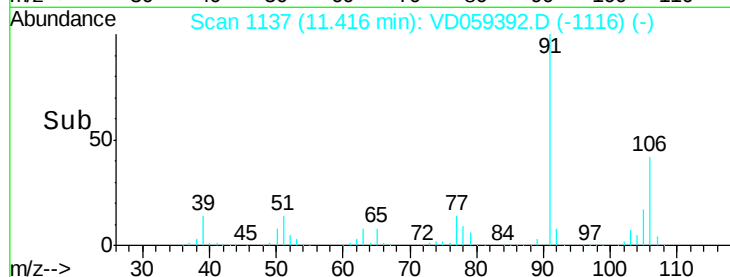
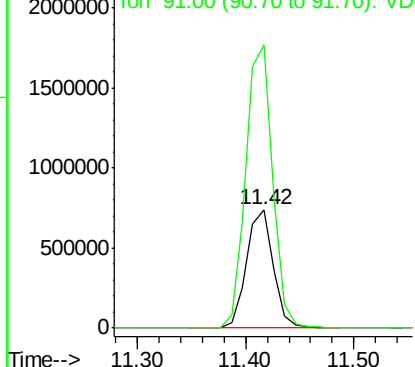
#69
o-Xylene
Concen: 119.24 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC150

Tot Ion:106 Resp: 1261538
Ion Ratio Lower Upper
106 100
91 239.1 121.0 362.8

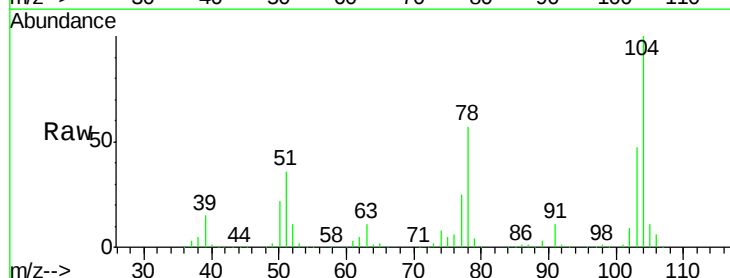


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

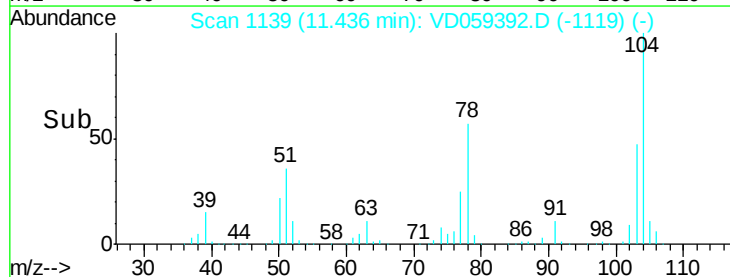
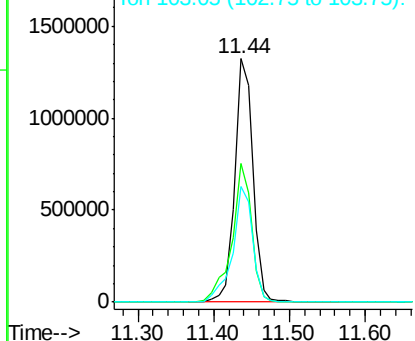


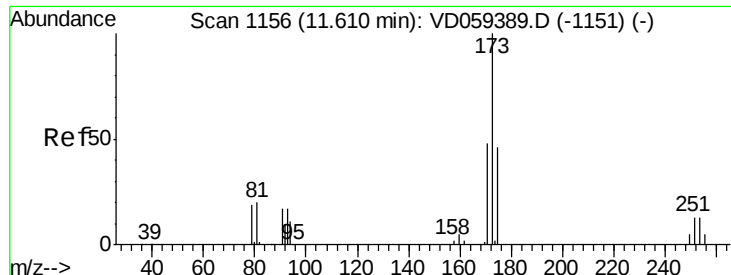
#70
Styrene
Concen: 120.02 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:104 Resp: 2162270
Ion Ratio Lower Upper
104 100
78 57.0 40.2 60.4
103 47.4 37.8 56.8



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

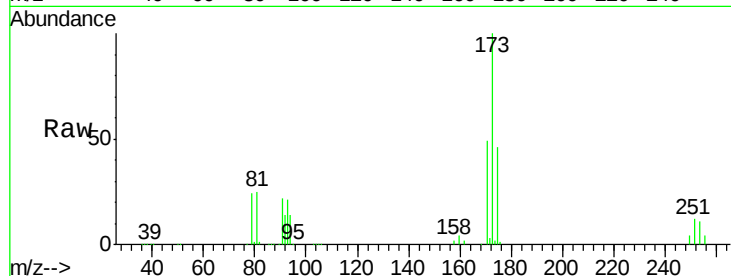




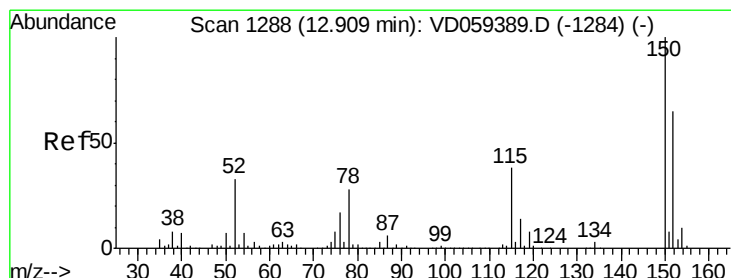
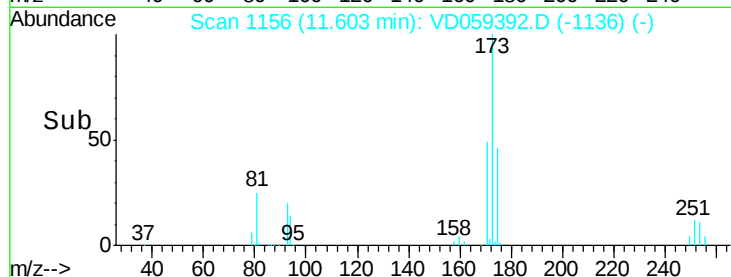
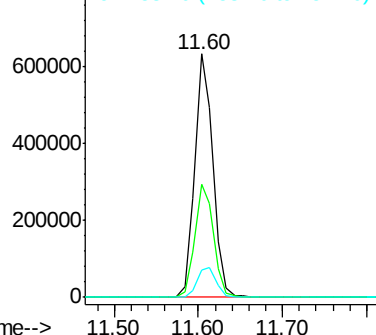
#71
Bromoform
Concen: 165.13 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:173 Resp: 944995
Ion Ratio Lower Upper
173 100
175 46.2 22.8 68.4
254 11.0 10.1 15.1

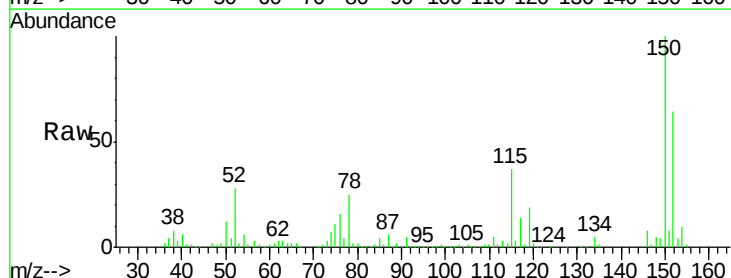


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

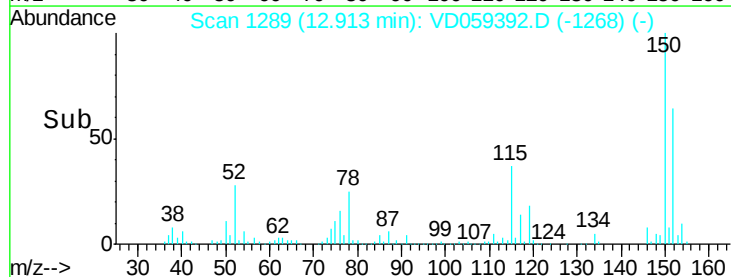
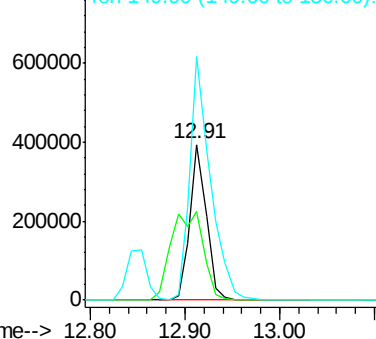


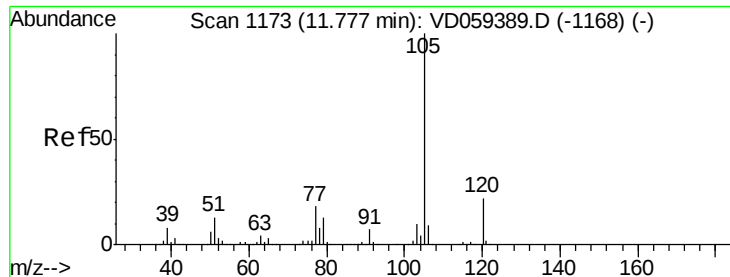
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:152 Resp: 476888
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.3
150 156.8 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 133.76 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

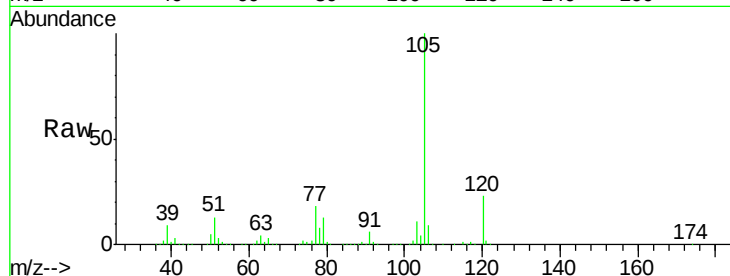
VSTDIC150

Tot Ion:105 Resp: 3783196

Ion Ratio Lower Upper

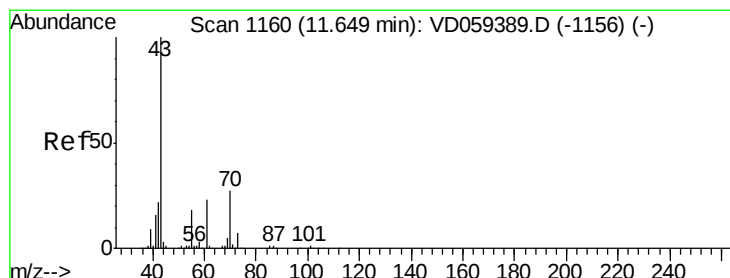
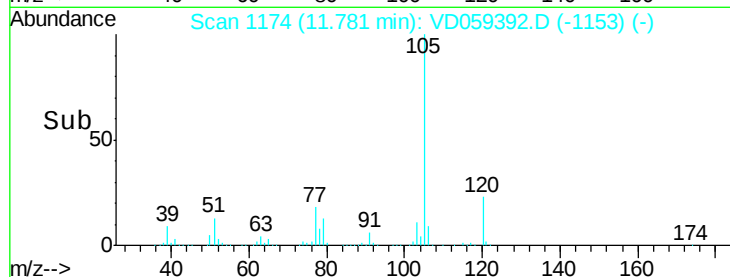
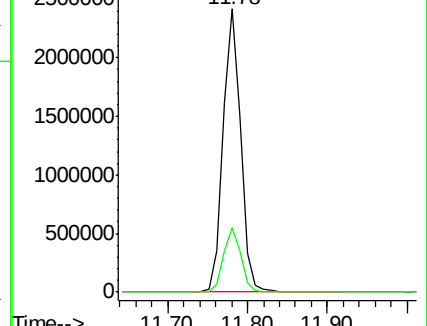
105 100

120 22.7 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: 143.98 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Tgt Ion: 43 Resp: 1536513

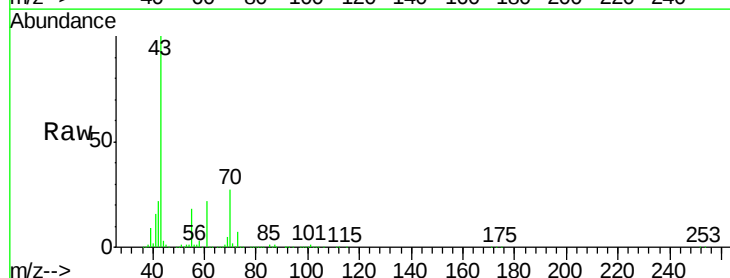
Ion Ratio Lower Upper

43 100

70 27.4 21.7 32.5

55 18.1 14.6 22.0

61 22.4 18.0 27.0

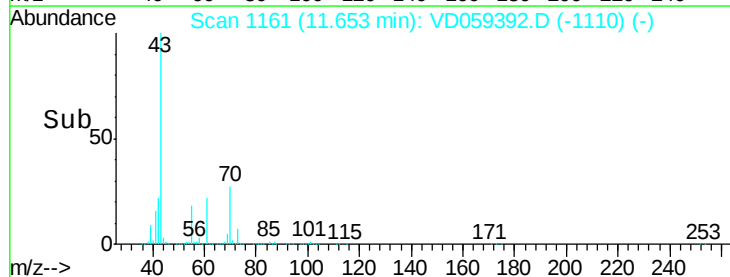
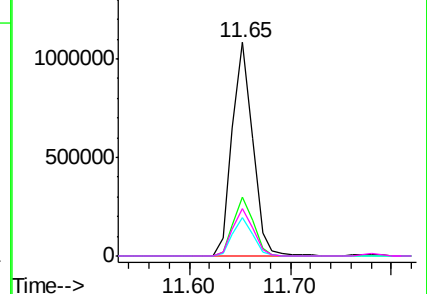


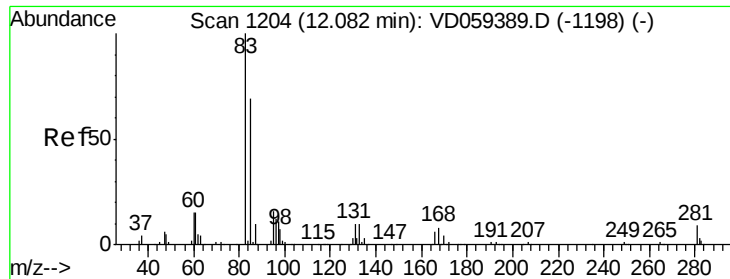
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 135.35 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

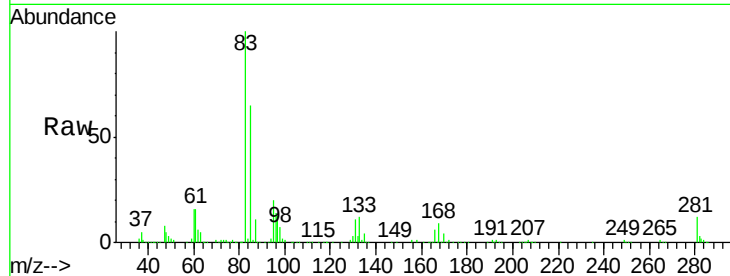
Tot Ion: 83 Resp: 878434

Ion Ratio Lower Upper

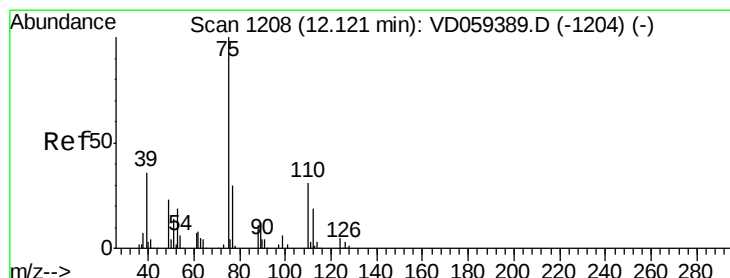
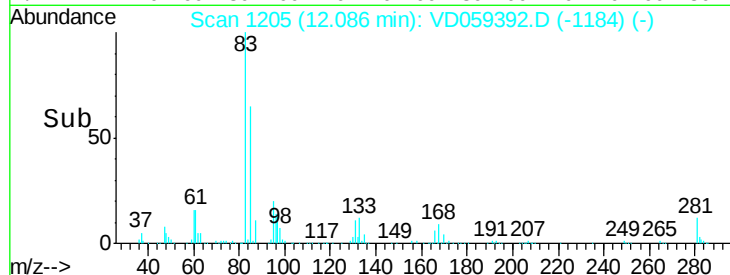
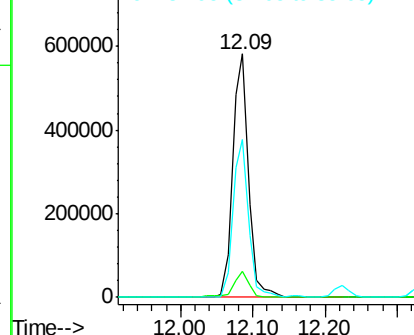
83 100

131 10.5 4.9 14.6

85 65.0 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: 135.04 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059392.D

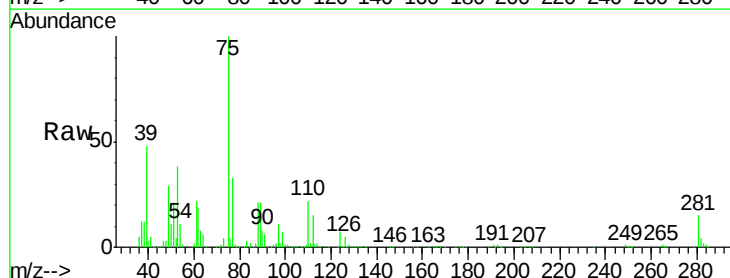
Acq: 25 Jun 2018 2:43

Tgt Ion: 75 Resp: 919520

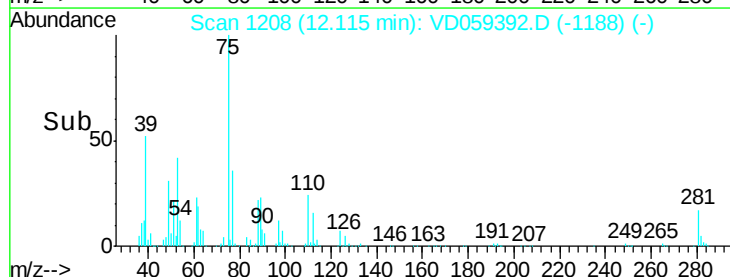
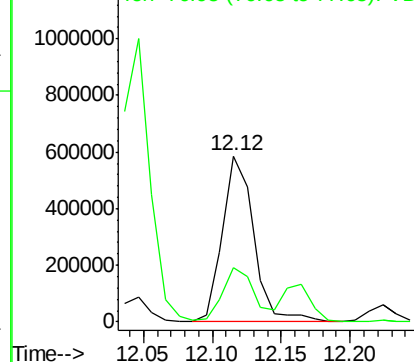
Ion Ratio Lower Upper

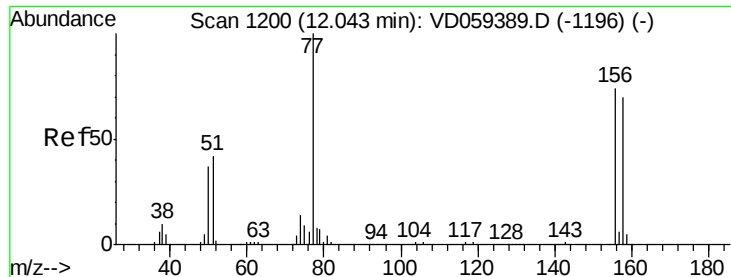
75 100

77 32.7 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

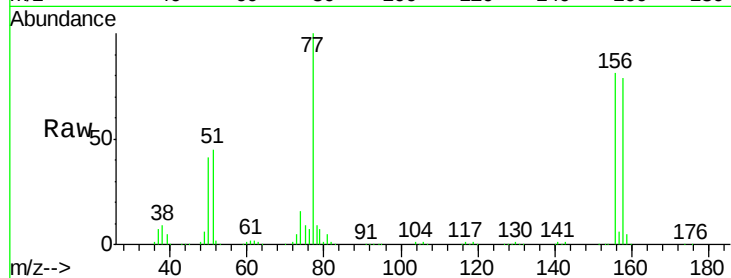




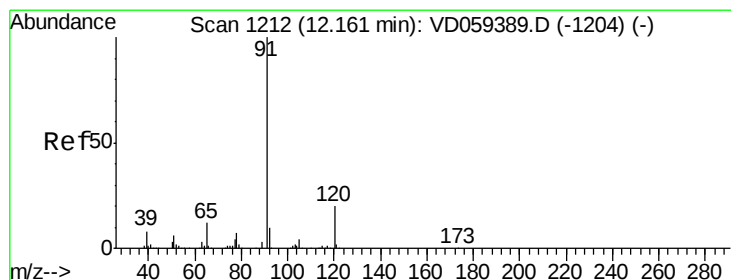
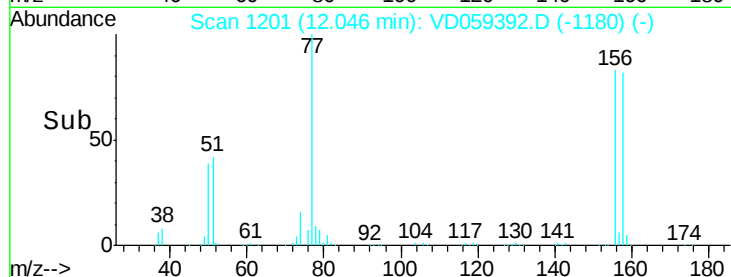
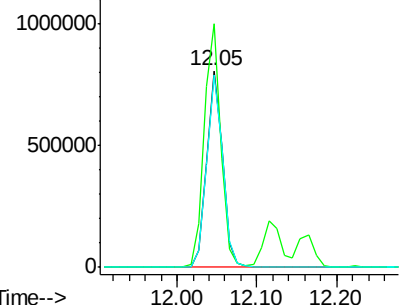
#77
Bromobenzene
Concen: 135.94 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:156 Resp: 1156132
Ion Ratio Lower Upper
156 100
77 123.8 68.0 203.8
158 98.1 47.7 143.1

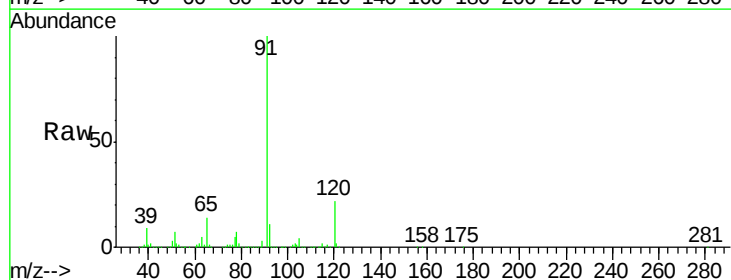


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

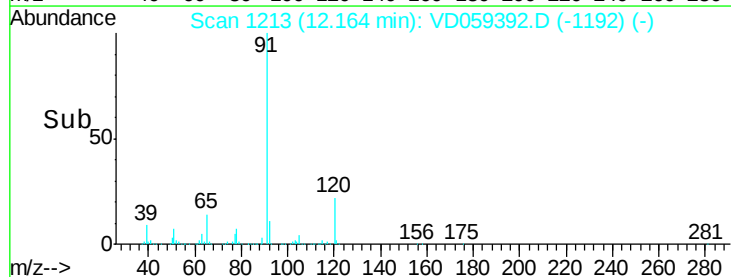
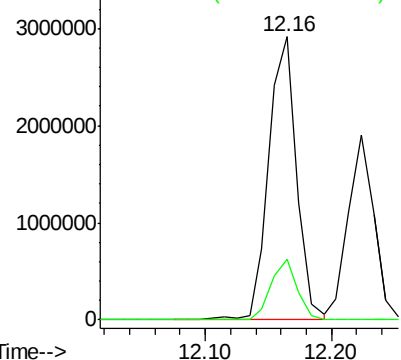


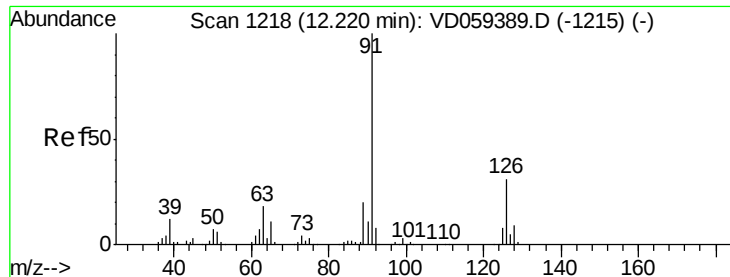
#78
n-propylbenzene
Concen: 123.90 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 91 Resp: 4495960
Ion Ratio Lower Upper
91 100
120 21.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

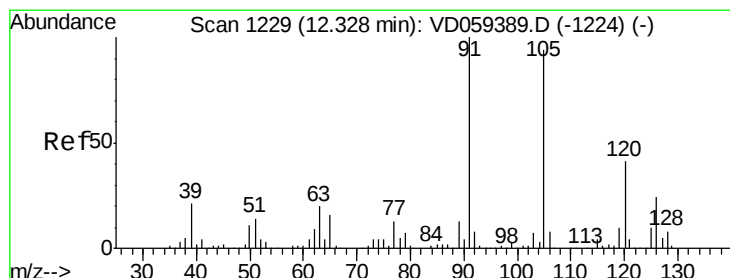
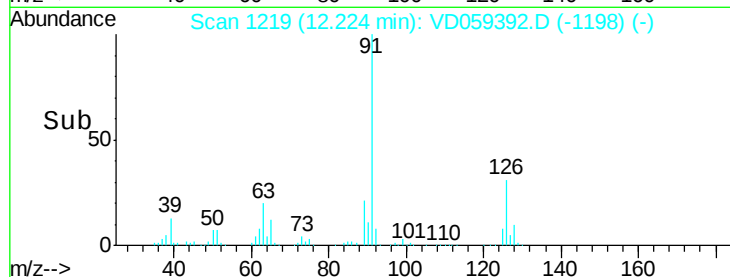
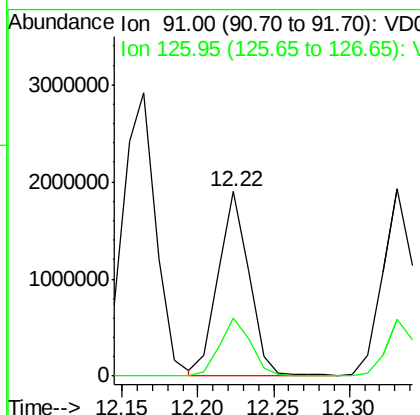
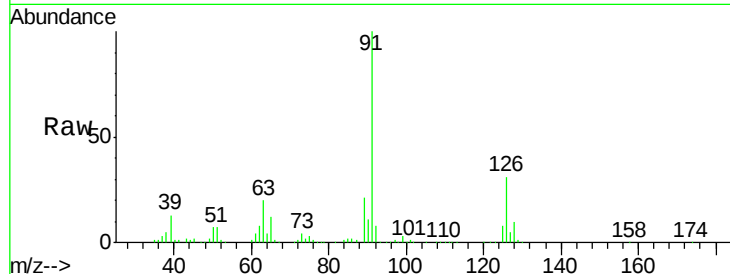




#79
 2-Chlorotoluene
 Concen: 128.54 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

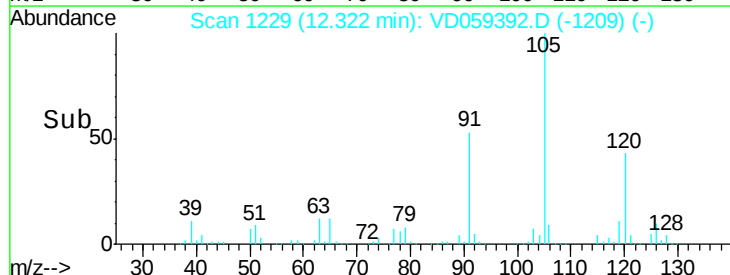
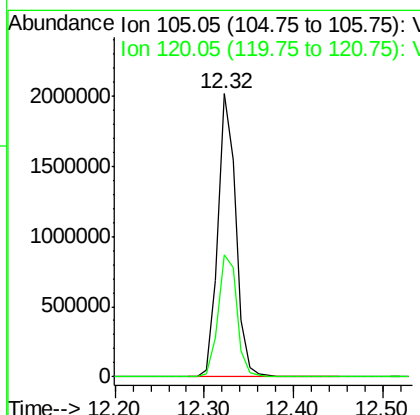
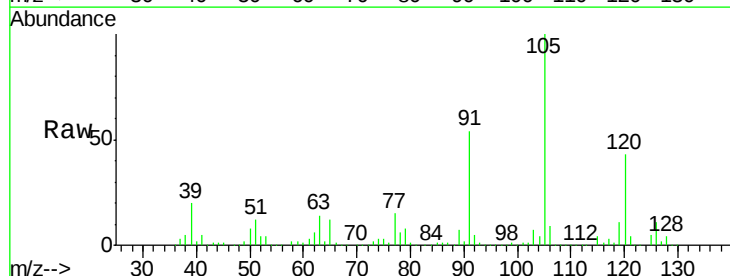
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

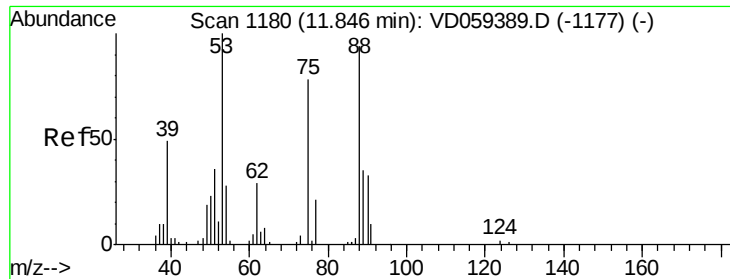
Tot Ion: 91 Resp: 2677061
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 129.26 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion: 105 Resp: 2836904
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 153.63 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

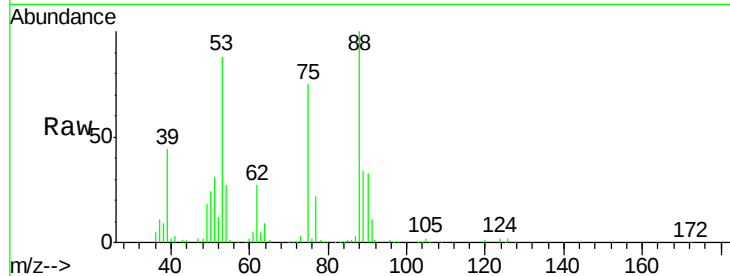
Tot Ion: 75 Resp: 250006

Ion Ratio Lower Upper

75 100

53 117.3 102.6 154.0

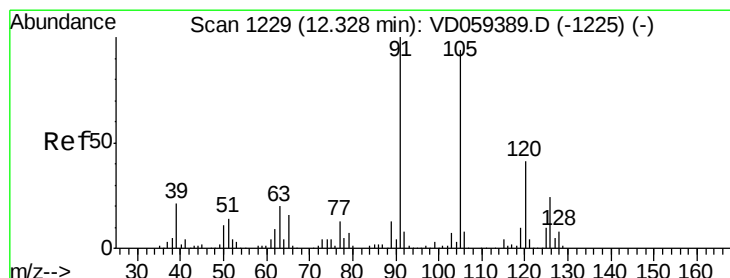
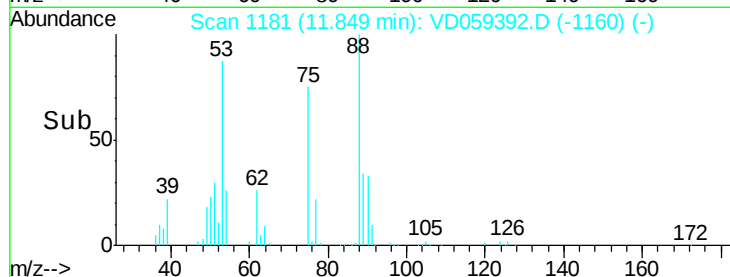
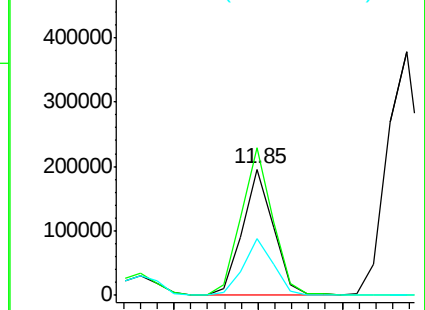
89 44.6 35.9 53.9



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: 117.85 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059392.D

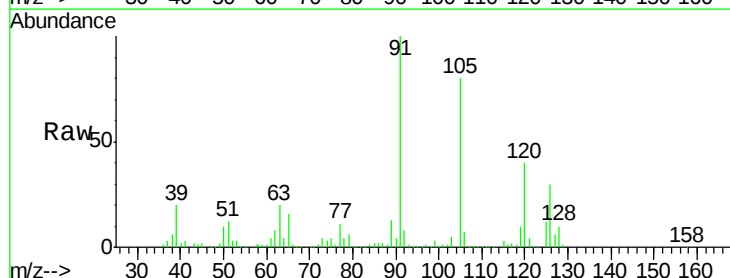
Acq: 25 Jun 2018 2:43

Tgt Ion: 91 Resp: 2754928

Ion Ratio Lower Upper

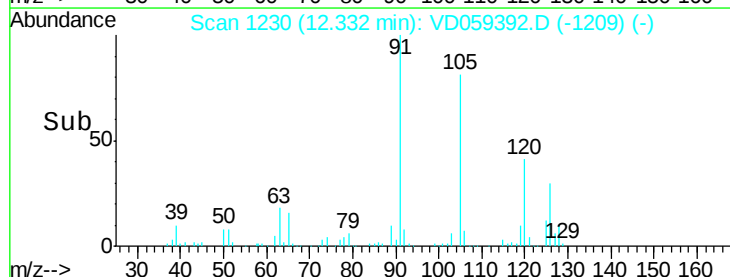
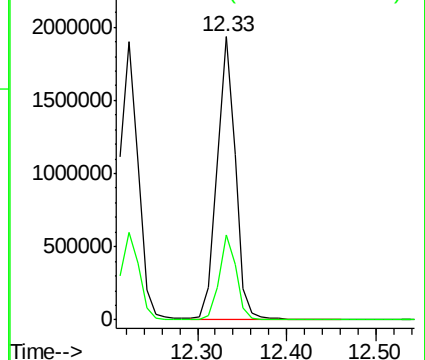
91 100

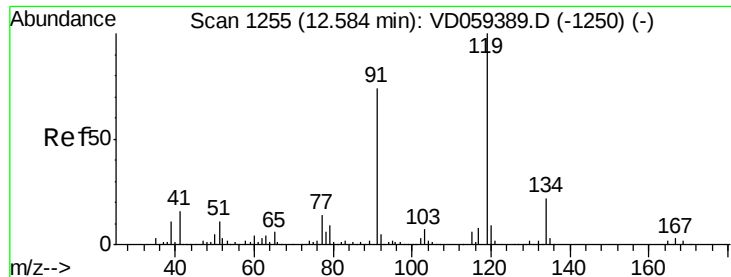
126 30.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 130.95 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

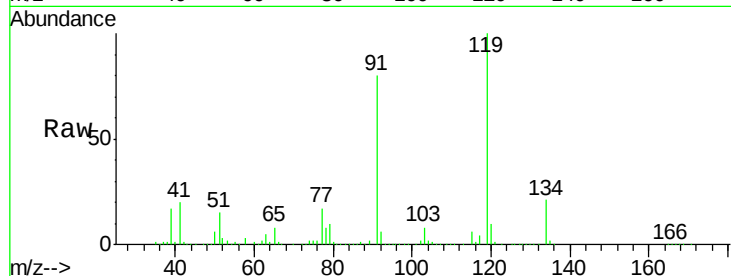
Tot Ion:119 Resp: 3289950

Ion Ratio Lower Upper

119 100

91 80.2 36.9 110.7

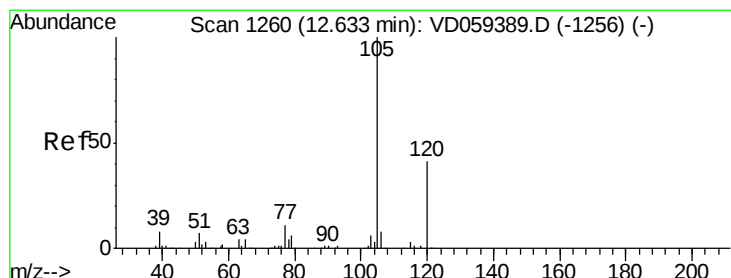
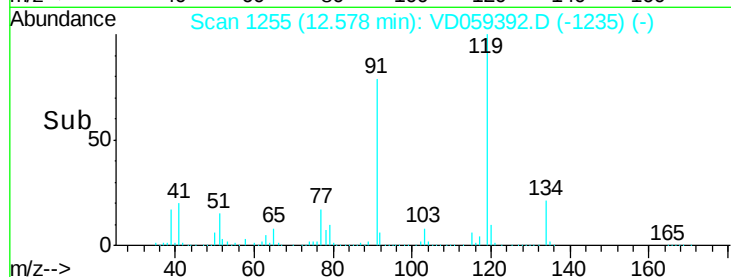
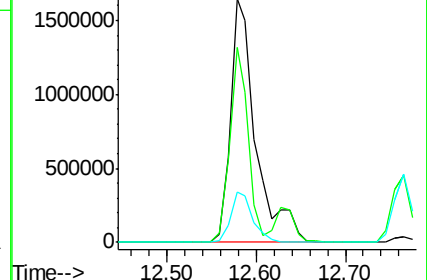
134 20.5 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 128.58 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059392.D

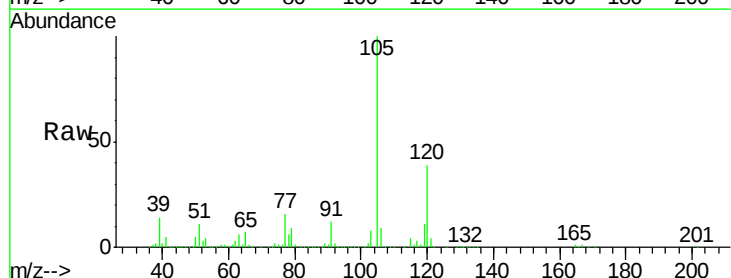
Acq: 25 Jun 2018 2:43

Tgt Ion:105 Resp: 3075381

Ion Ratio Lower Upper

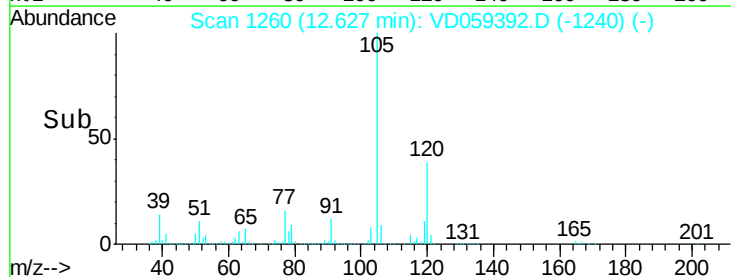
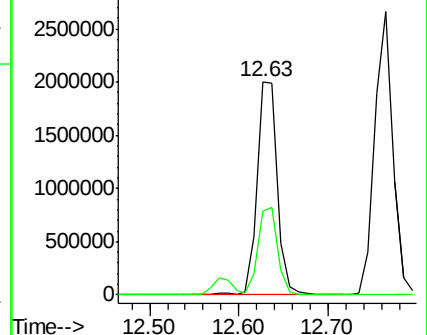
105 100

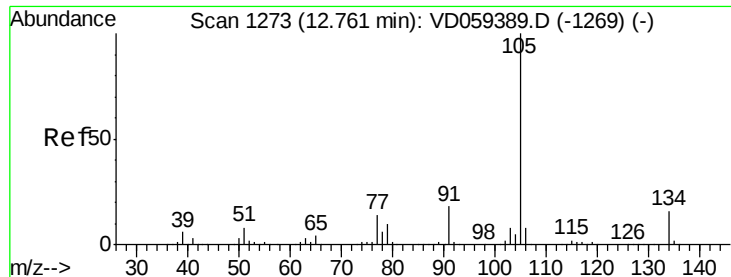
120 39.1 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 124.71 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

Instrument :

MSVOA_D

ClientSampleID :

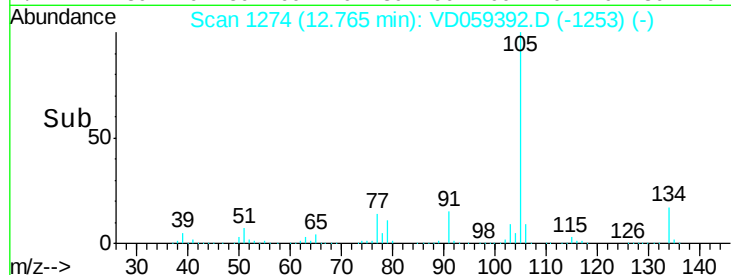
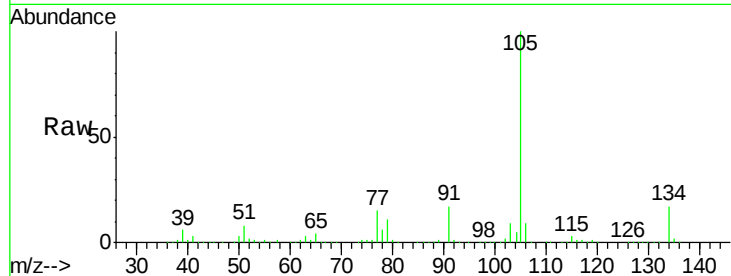
VSTDIC150

Tot Ion:105 Resp: 3685573

Ion Ratio Lower Upper

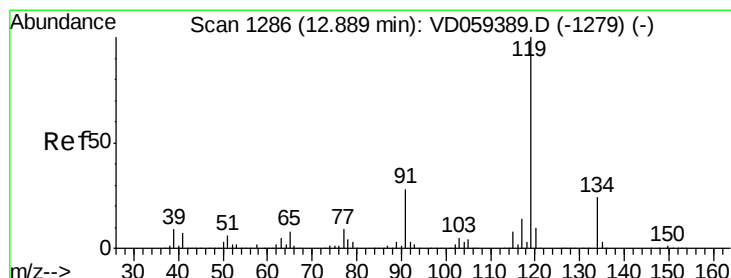
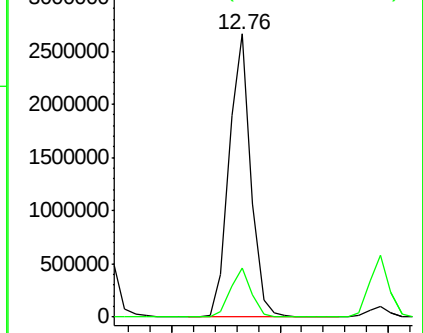
105 100

134 17.3 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 134.41 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059392.D

Acq: 25 Jun 2018 2:43

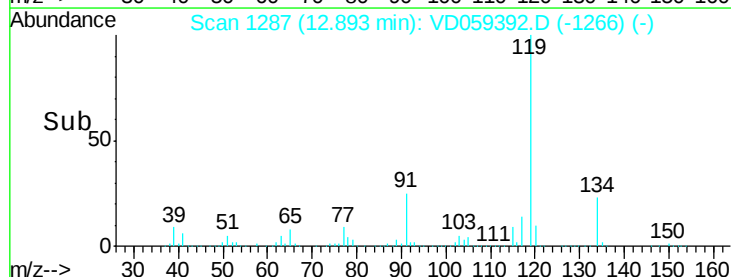
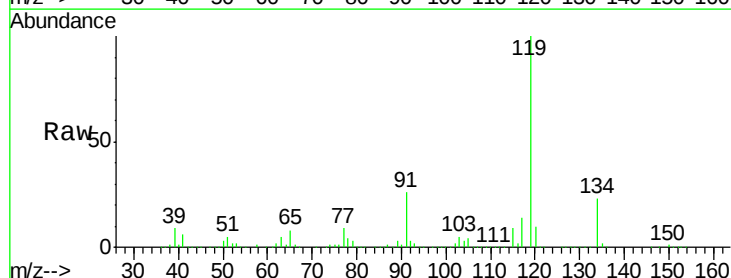
Tgt Ion:119 Resp: 3227371

Ion Ratio Lower Upper

119 100

134 23.2 11.9 35.5

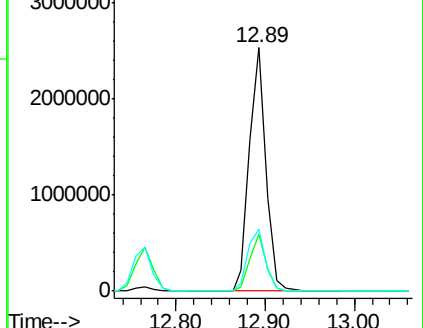
91 25.6 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

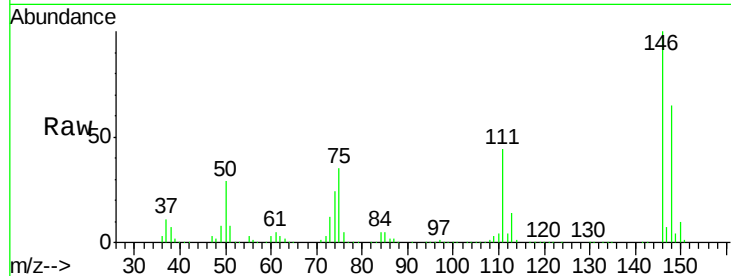




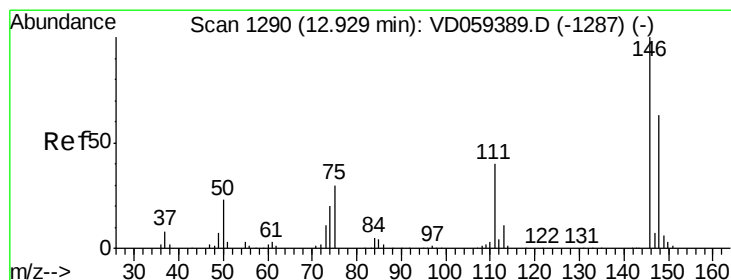
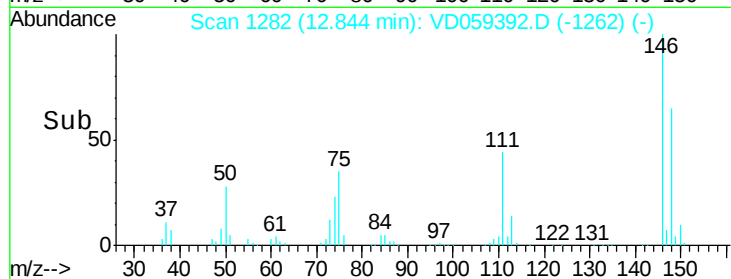
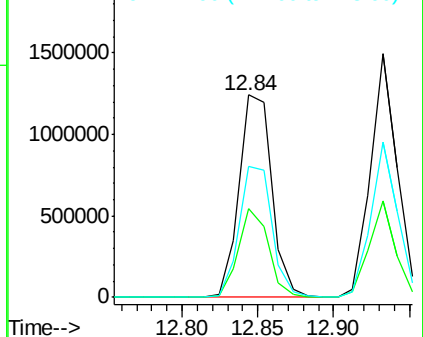
#87
 1,3-Dichlorobenzene
 Concen: 127.77 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1872433
 Ion Ratio Lower Upper
 146 100
 111 44.1 17.6 52.8
 148 64.7 32.4 97.2

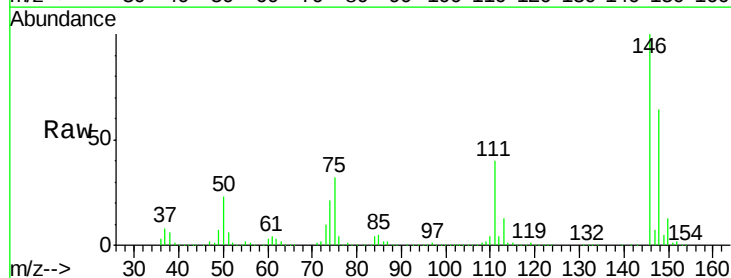


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

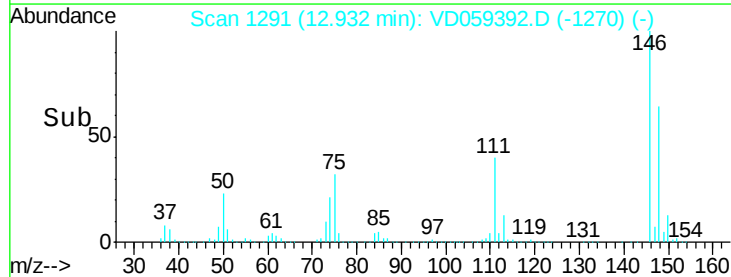
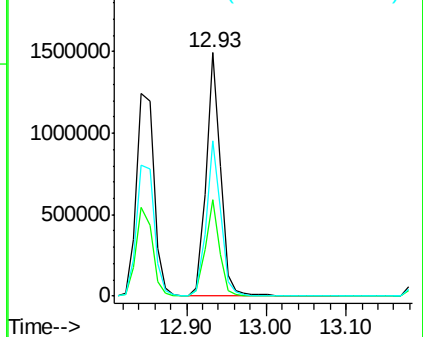


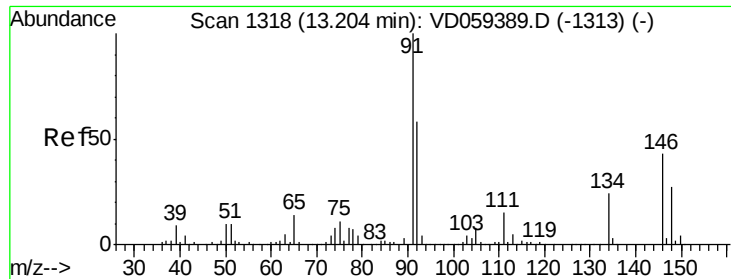
#88
 1,4-Dichlorobenzene
 Concen: 130.40 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion:146 Resp: 1865662
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.1 60.2
 148 63.7 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

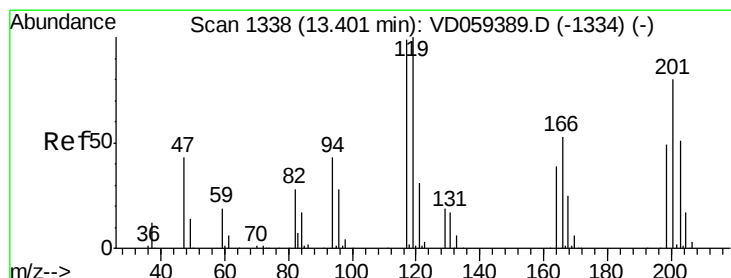
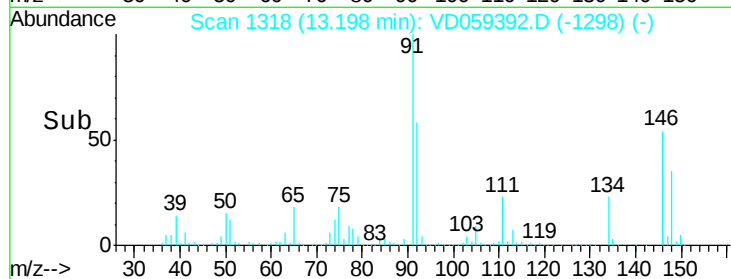
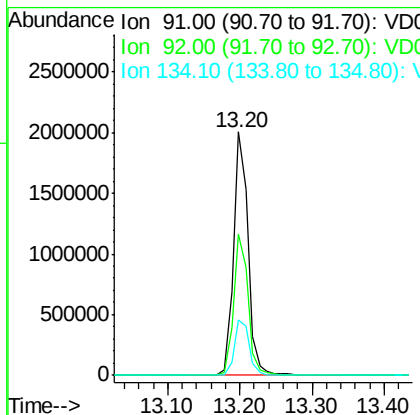
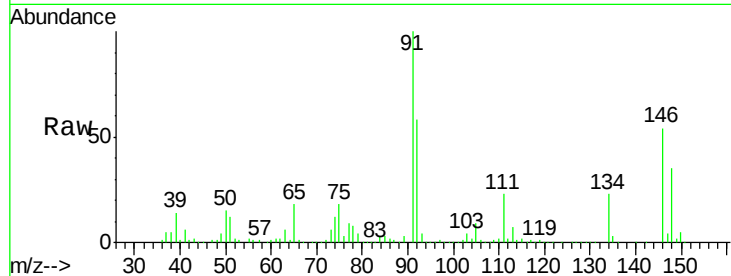




#89
n-Butylbenzene
Concen: 113.14 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

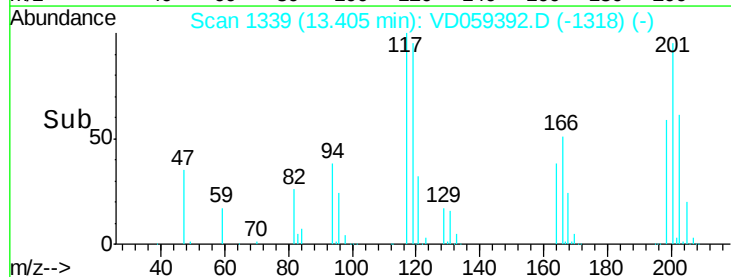
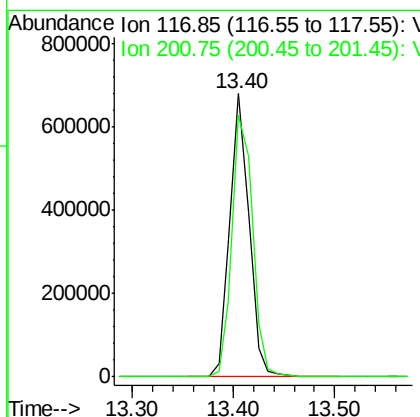
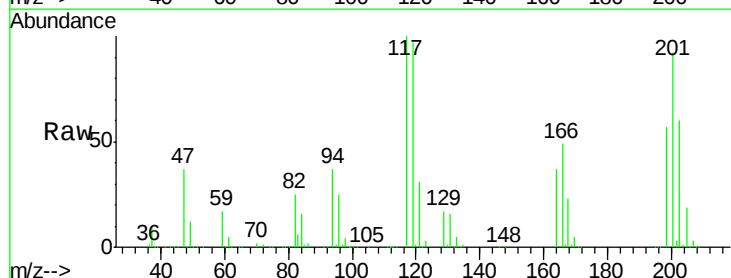
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

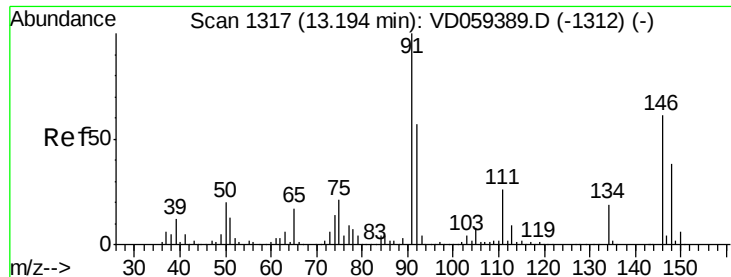
Tot Ion: 91 Resp: 2816094
Ion Ratio Lower Upper
91 100
92 58.2 28.8 86.5
134 22.6 11.9 35.7



#90
Hexachloroethane
Concen: 145.16 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion: 117 Resp: 897584
Ion Ratio Lower Upper
117 100
201 92.5 40.1 120.3

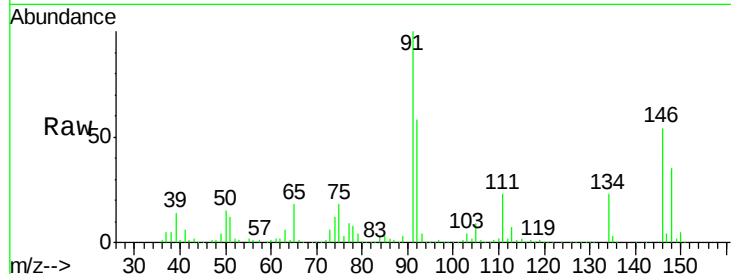




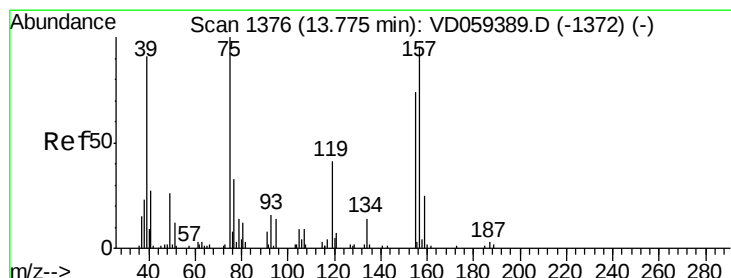
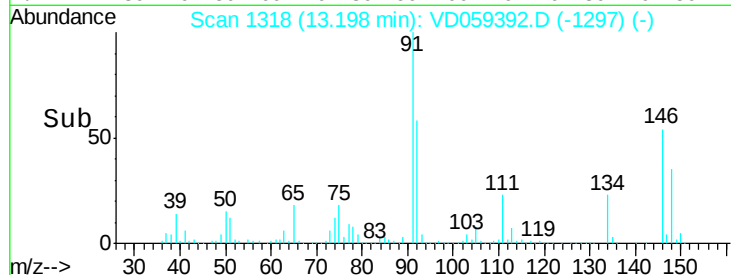
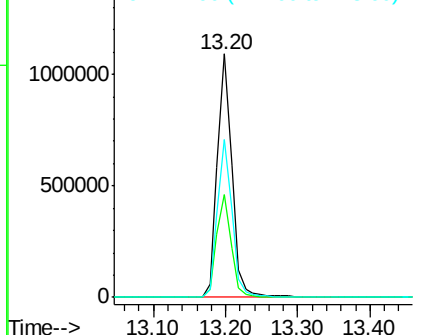
#91
 1,2-Dichlorobenzene
 Concen: 121.47 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1504086
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.4 64.2
 148 64.7 31.6 95.0

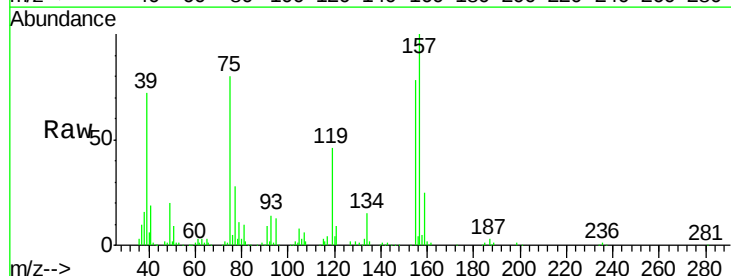


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

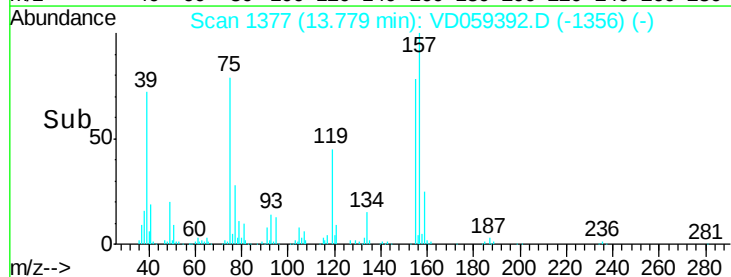
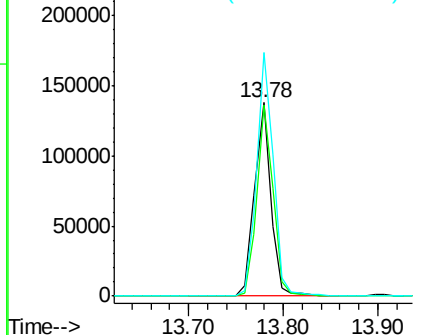


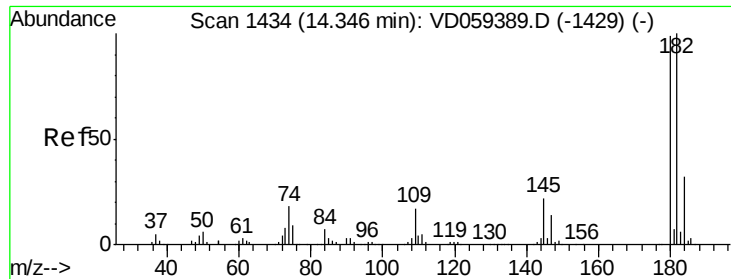
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 158.91 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion: 75 Resp: 164988
 Ion Ratio Lower Upper
 75 100
 155 98.7 37.2 111.6
 157 125.8 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

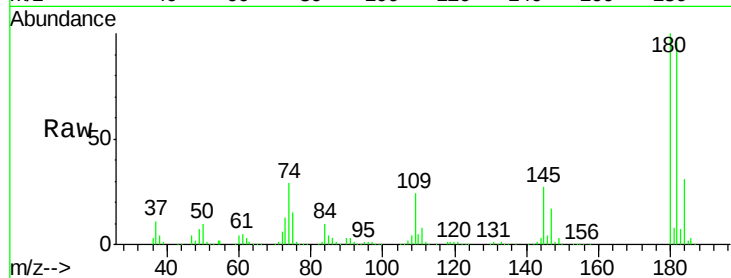




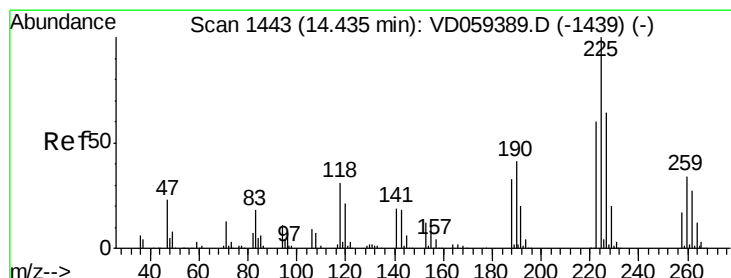
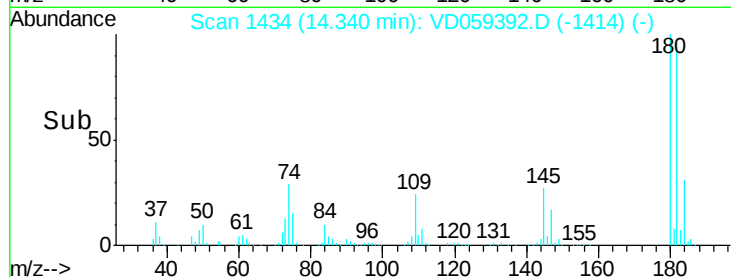
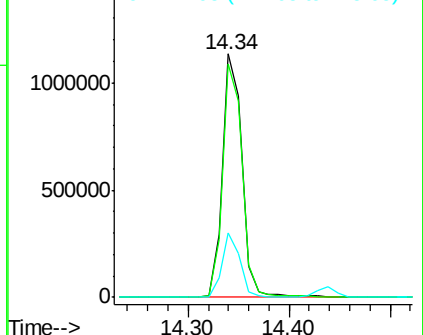
#93
 1,2,4-Trichlorobenzene
 Concen: 131.05 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1541313
 Ion Ratio Lower Upper
 180 100
 182 96.0 50.4 151.2
 145 26.6 11.0 33.0

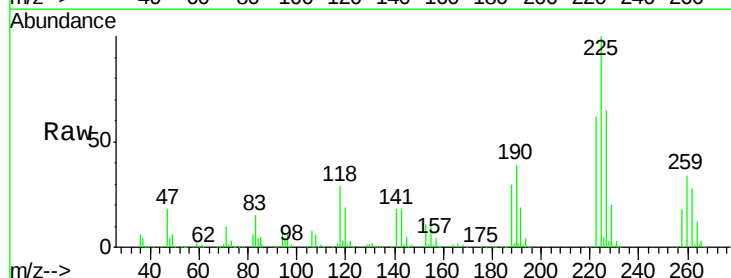


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

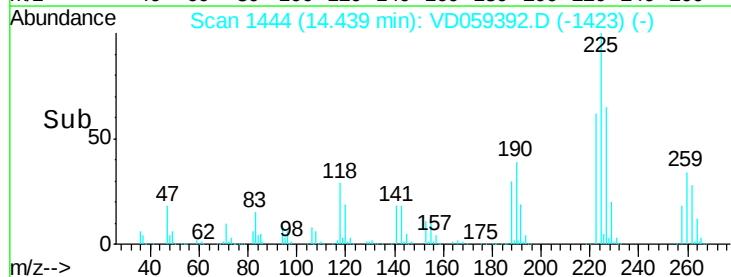
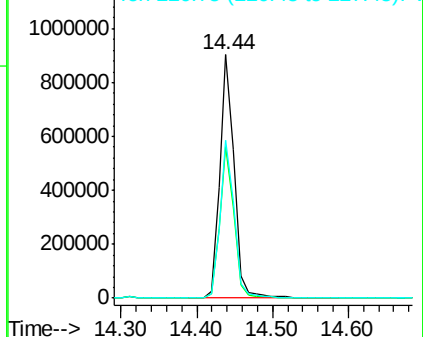


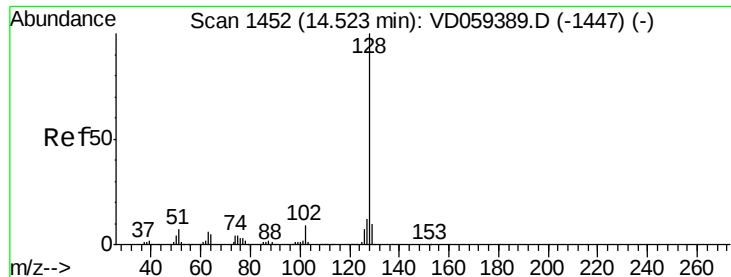
#94
 Hexachlorobutadiene
 Concen: 130.36 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059392.D
 Acq: 25 Jun 2018 2:43

Tgt Ion:225 Resp: 1210846
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.0 90.1
 227 64.6 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

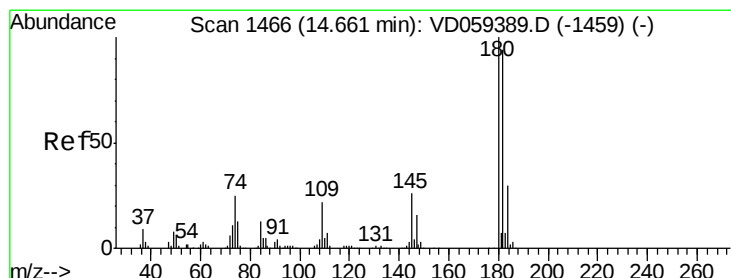
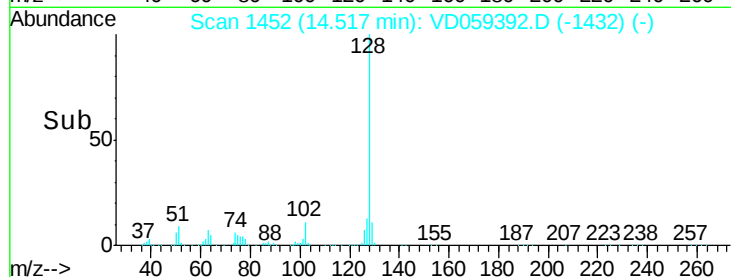
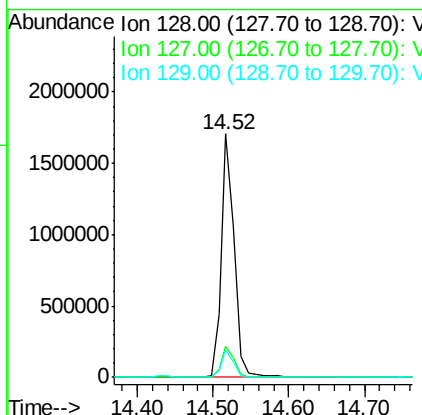
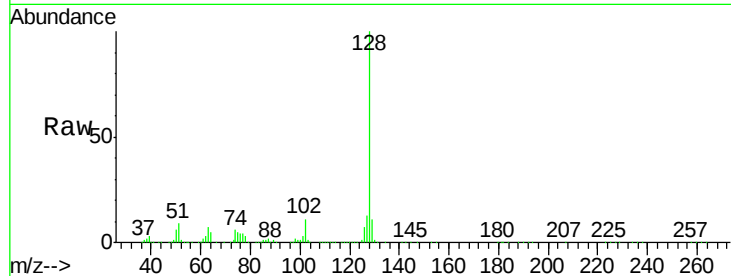




#95
Naphthalene
Concen: 133.62 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2066529
Ion Ratio Lower Upper
128 100
127 12.9 9.6 14.4
129 11.5 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 132.69 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059392.D
Acq: 25 Jun 2018 2:43

Tgt Ion:180 Resp: 1377339
Ion Ratio Lower Upper
180 100
182 97.5 47.1 141.4
145 26.1 13.1 39.3

