

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057960.D
 Acq On : 6 Jun 2018 19:18
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 07 08:21:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	921603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1244459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	974340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	499686	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	448767	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	5.56	113	466059	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.71	98	1083651	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	11.93	95	477571	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.35	85	603876	48.82	ug/l	100
3) Chloromethane	1.49	50	278576	45.73	ug/l	100
4) Vinyl Chloride	1.56	62	287624	48.78	ug/l	100
5) Bromomethane	1.81	94	127845	55.32	ug/l	100
6) Chloroethane	1.90	64	129848	55.81	ug/l	100
7) Trichlorofluoromethane	2.09	101	413610	51.31	ug/l	100
8) Diethyl Ether	2.35	74	79265	52.94	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.57	101	250607	52.12	ug/l	100
10) Methyl Iodide	2.70	142	318001	51.26	ug/l	100
11) Tert butyl alcohol	3.27	59	70818	286.92	ug/l	100
12) 1,1-Dichloroethene	2.56	96	189768	51.34	ug/l	100
13) Acrolein	2.48	56	84700	239.61	ug/l	100
14) Allyl chloride	2.93	41	421789	49.47	ug/l	100
15) Acrylonitrile	3.36	53	353991	245.15	ug/l	100
16) Acetone	2.62	43	338090	254.69	ug/l	100
17) Carbon Disulfide	2.76	76	679916	50.78	ug/l	100
18) Methyl Acetate	2.94	43	117440	45.73	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	824140	50.67	ug/l	100
20) Methylene Chloride	3.08	84	193302	42.61	ug/l	100
21) trans-1,2-Dichloroethene	3.39	96	417639	50.73	ug/l	100
22) Diisopropyl ether	4.08	45	1735884	51.39	ug/l	100
23) Vinyl Acetate	4.02	43	4678109	268.04	ug/l	100
24) 1,1-Dichloroethane	3.98	63	921040	49.61	ug/l	100
25) 2-Butanone	4.84	43	779615	258.42	ug/l	100
26) 2,2-Dichloropropane	4.80	77	769382	50.31	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	489482	50.13	ug/l	100
28) Bromochloromethane	5.16	49	408171	50.80	ug/l	100
29) Tetrahydrofuran	5.19	42	402107	254.27	ug/l	100
30) Chloroform	5.33	83	941816	50.41	ug/l	100
31) Cyclohexane	5.60	56	743301	46.39	ug/l	100
32) 1,1,1-Trichloroethane	5.52	97	788039	50.37	ug/l	100
36) 1,1-Dichloropropene	5.76	75	675591	49.27	ug/l	100
37) Ethyl Acetate	4.94	43	370241	49.49	ug/l	100
38) Carbon Tetrachloride	5.73	117	674659	49.93	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057960.D
 Acq On : 6 Jun 2018 19:18
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 07 08:21:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	692644	50.96	ug/l	100
40) Benzene	6.02	78	1589610	49.63	ug/l	100
41) Methacrylonitrile	5.14	41	175351	51.26	ug/l	100
42) 1,2-Dichloroethane	6.14	62	662783	51.18	ug/l	100
43) Isopropyl Acetate	7.62	43	506770	51.72	ug/l	100
44) Trichloroethene	6.99	130	480648	51.38	ug/l	100
45) 1,2-Dichloropropane	7.35	63	452549	50.84	ug/l	100
46) Dibromomethane	7.47	93	291707	51.01	ug/l	100
47) Bromodichloromethane	7.74	83	702667	52.48	ug/l	100
48) Methyl methacrylate	7.51	41	304560	50.50	ug/l	100
49) 1,4-Dioxane	7.50	88	50644	1013.59	ug/l	100
51) 4-Methyl-2-Pentanone	8.60	43	1605166	255.38	ug/l	100
52) Toluene	8.81	92	903312	49.14	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	586510	50.84	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	713046	52.47	ug/l	100
55) 1,1,2-Trichloroethane	9.46	97	297740	50.05	ug/l	100
56) Ethyl methacrylate	9.32	69	377413	51.72	ug/l	100
57) 1,3-Dichloropropane	9.66	76	529180	50.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	911933	247.34	ug/l	100
59) 2-Hexanone	9.79	43	1172020	254.45	ug/l	100
60) Dibromochloromethane	9.96	129	441219	52.59	ug/l	100
61) 1,2-Dibromoethane	10.10	107	346343	50.62	ug/l	100
64) Tetrachloroethene	9.52	164	434294	49.86	ug/l	100
65) Chlorobenzene	10.73	112	980466	49.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	392823	51.84	ug/l	100
67) Ethyl Benzene	10.86	91	1768856	49.64	ug/l	100
68) m/p-Xylenes	11.01	106	1111634	95.69	ug/l	100
69) o-Xylene	11.41	106	573265	49.71	ug/l	100
70) Styrene	11.44	104	958350	50.20	ug/l	100
71) Bromoform	11.60	173	309782	54.34	ug/l	100
73) Isopropylbenzene	11.77	105	1651332	49.89	ug/l	100
74) N-amyl acetate	11.64	43	664397	52.02	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.08	83	361770	50.13	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	380984	50.76	ug/l	100
77) Bromobenzene	12.04	156	497364	50.77	ug/l	100
78) n-propylbenzene	12.15	91	2087435	48.47	ug/l	100
79) 2-Chlorotoluene	12.21	91	1227475	49.96	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1238605	39.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	106735	57.41	ug/l	100
82) 4-Chlorotoluene	12.32	91	1259316	46.92	ug/l	100
83) tert-Butylbenzene	12.58	119	1467352	50.35	ug/l	100
84) 1,2,4-Trimethylbenzene	12.63	105	1399908	50.44	ug/l	100
85) sec-Butylbenzene	12.75	105	1744601	49.60	ug/l	100
86) p-Isopropyltoluene	12.88	119	1415547	49.93	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	822663	49.64	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	780094	48.31	ug/l	100
89) n-Butylbenzene	13.20	91	1370332	46.97	ug/l	100
90) Hexachloroethane	13.40	117	381678	52.75	ug/l	100
91) 1,2-Dichlorobenzene	13.20	146	625856	46.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.77	75	60854	54.64	ug/l	100

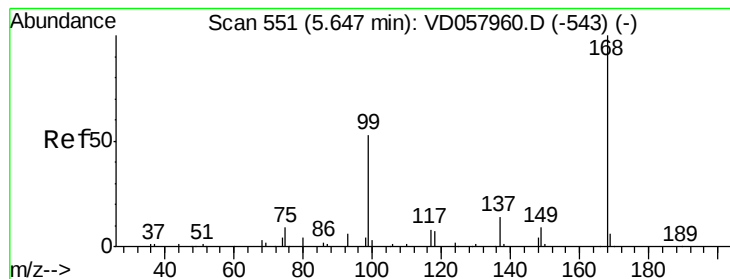
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
Data File : VD057960.D
Acq On : 6 Jun 2018 19:18
Operator : JC/SY
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Jun 07 08:21:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:19:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	642421	51.34	ug/l	100
94) Hexachlorobutadiene	14.44	225	511785	52.00	ug/l	100
95) Naphthalene	14.52	128	814503	50.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	546655	51.27	ug/l	100

(#) = 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. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

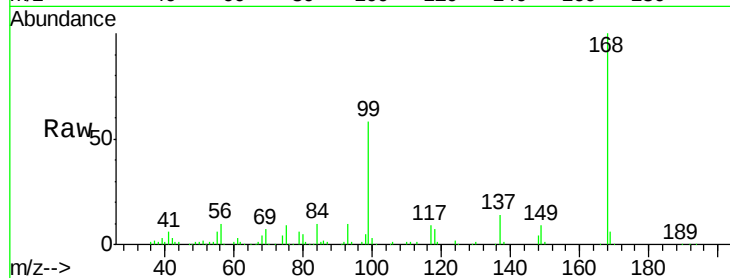
VSTDICCC050

Tgt Ion:168 Resp: 921603

Ion Ratio Lower Upper

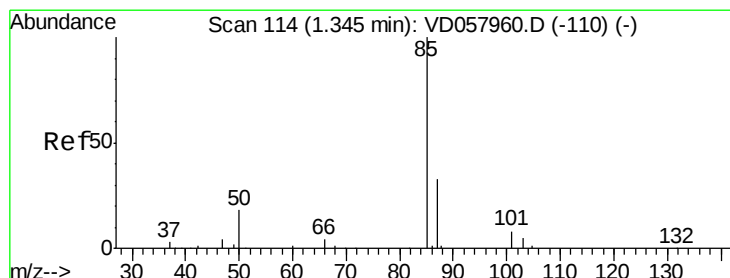
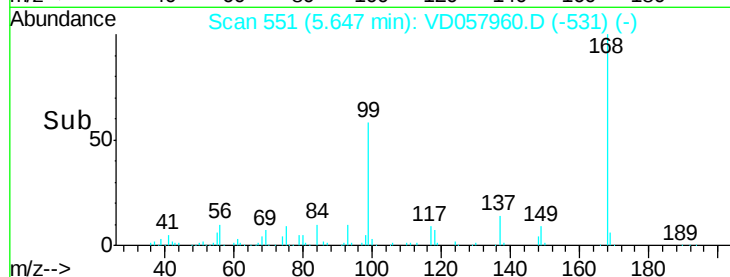
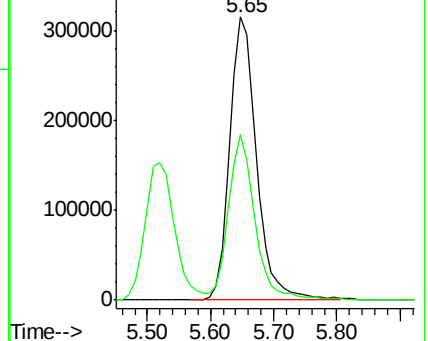
168 100

99 58.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.82 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD057960.D

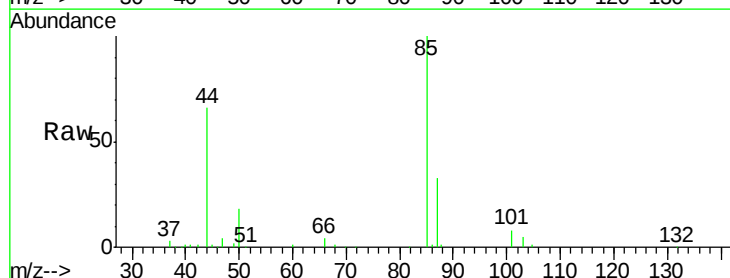
Acq: 6 Jun 2018 19:18

Tgt Ion: 85 Resp: 603876

Ion Ratio Lower Upper

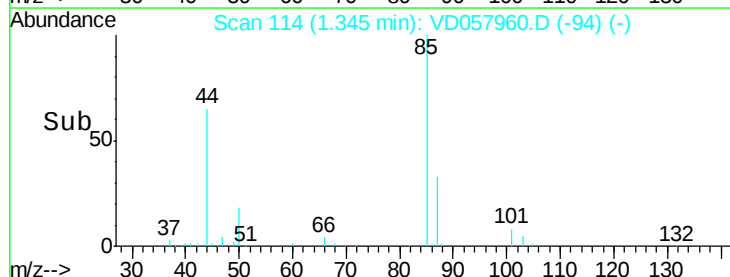
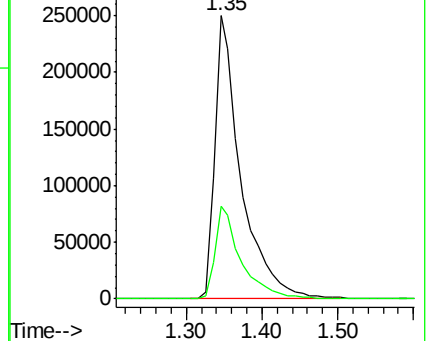
85 100

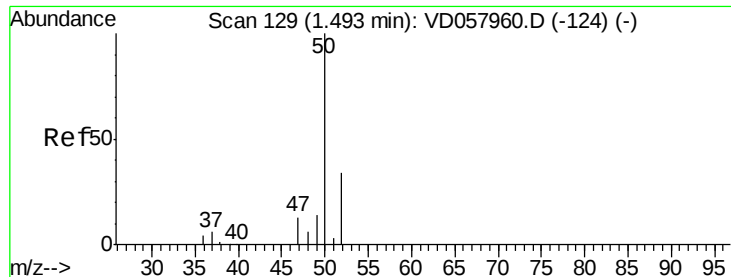
87 32.8 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.73 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

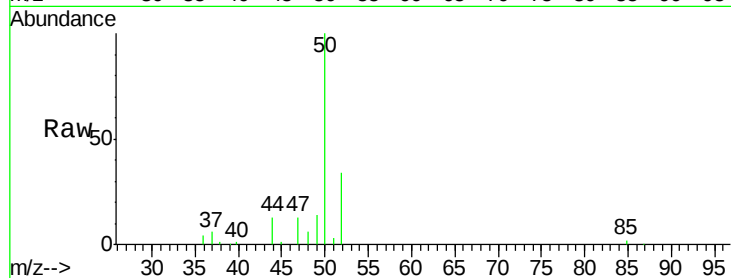
VSTDICCC050

Tgt Ion: 50 Resp: 278576

Ion Ratio Lower Upper

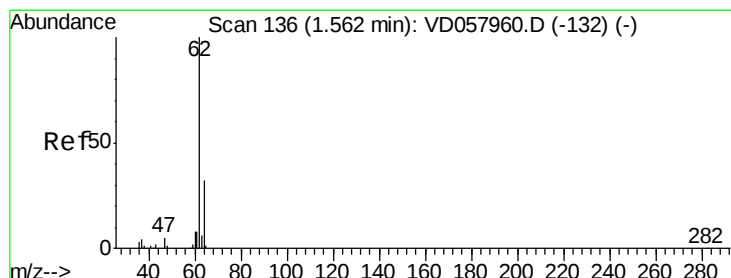
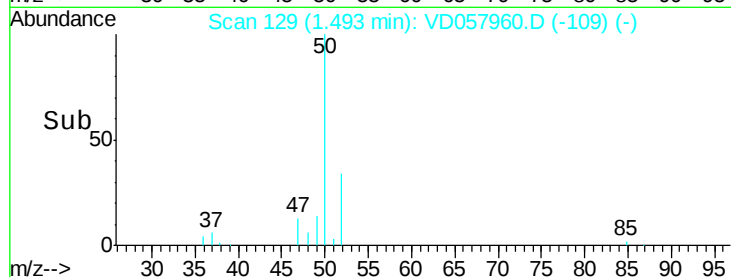
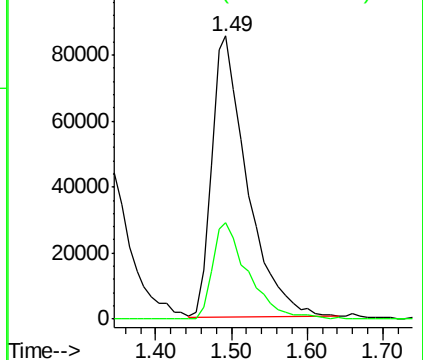
50 100

52 34.0 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.78 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD057960.D

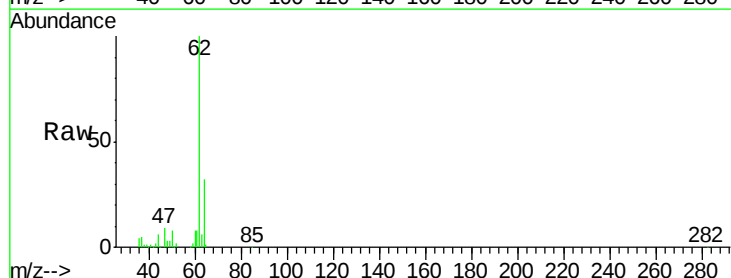
Acq: 6 Jun 2018 19:18

Tgt Ion: 62 Resp: 287624

Ion Ratio Lower Upper

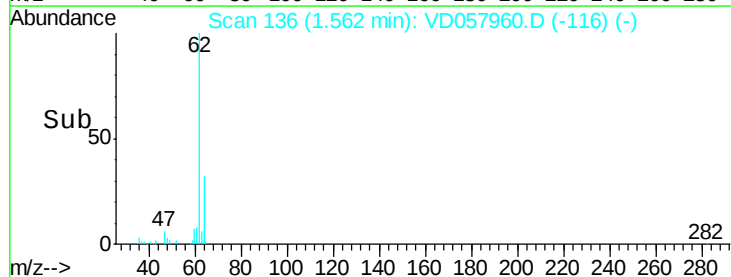
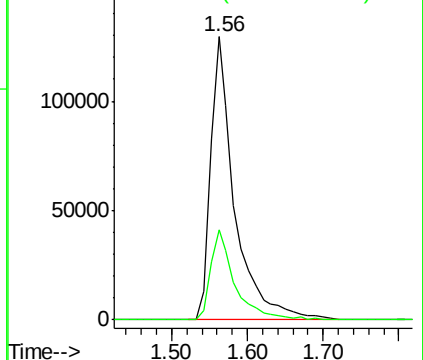
62 100

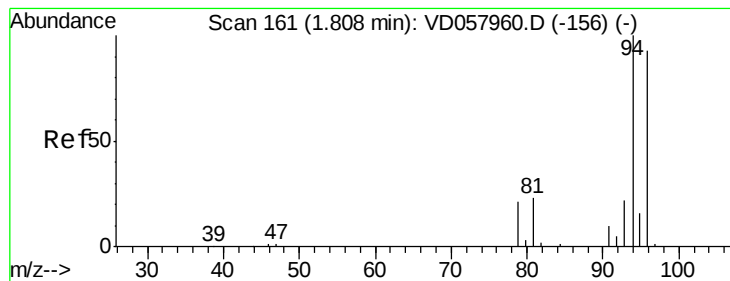
64 31.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.32 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

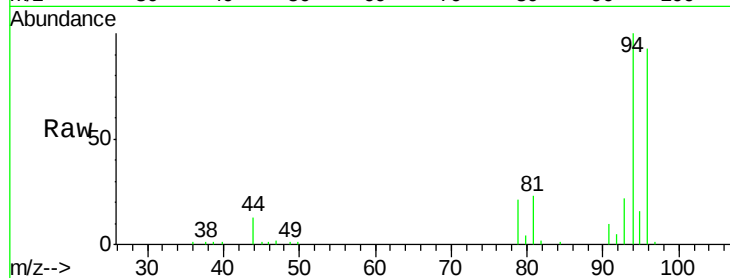
VSTDICCC050

Tgt Ion: 94 Resp: 127845

Ion Ratio Lower Upper

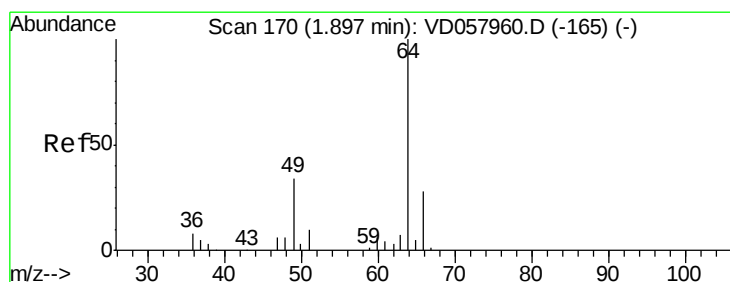
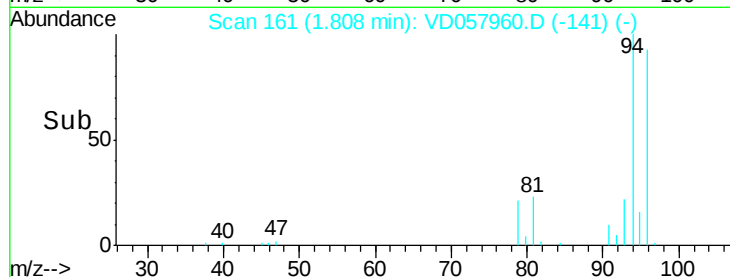
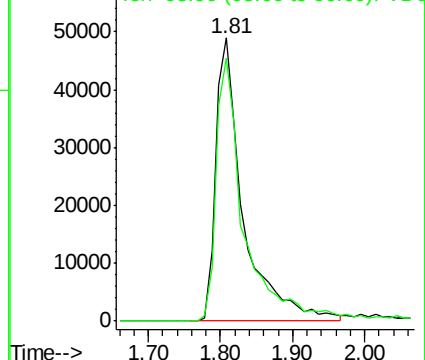
94 100

96 92.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.81 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD057960.D

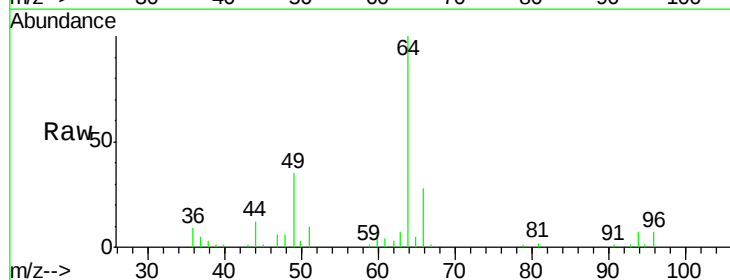
Acq: 6 Jun 2018 19:18

Tgt Ion: 64 Resp: 129848

Ion Ratio Lower Upper

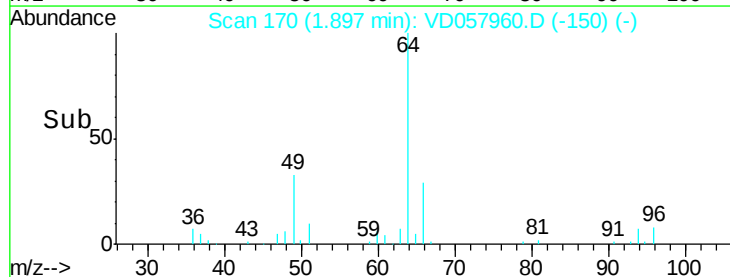
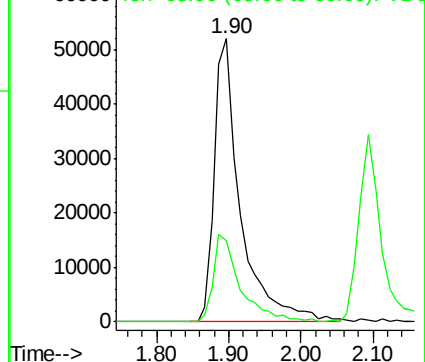
64 100

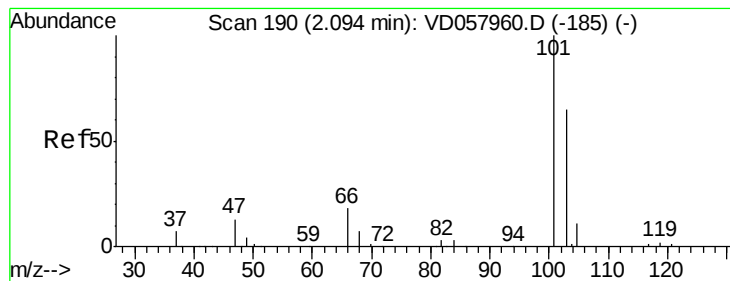
66 28.5 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 51.31 ug/l

RT: 2.09 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

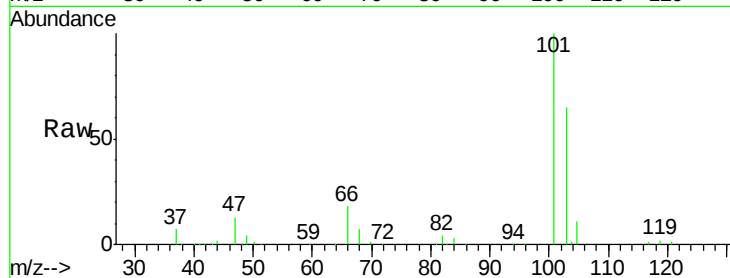
VSTDICCC050

Tgt Ion: 101 Resp: 413610

Ion Ratio Lower Upper

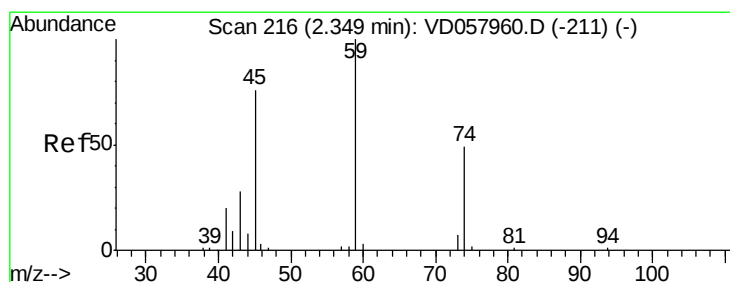
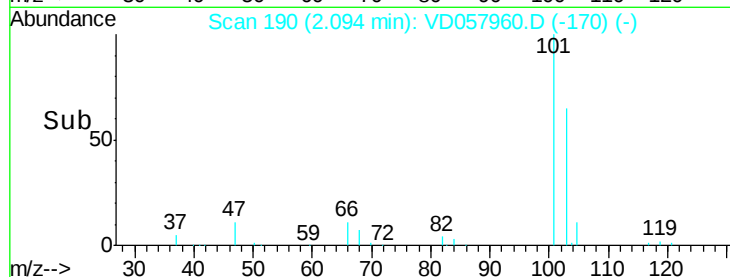
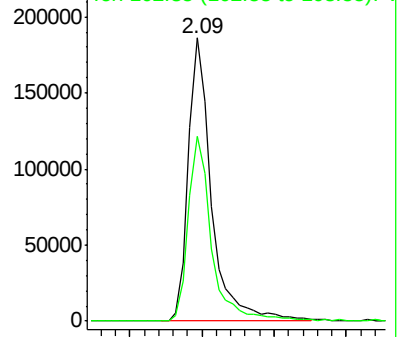
101 100

103 65.5 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 52.94 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD057960.D

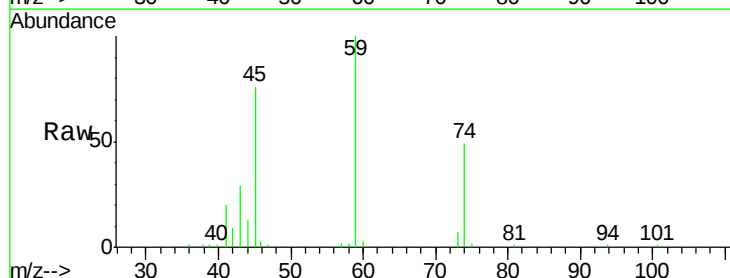
Acq: 6 Jun 2018 19:18

Tgt Ion: 74 Resp: 79265

Ion Ratio Lower Upper

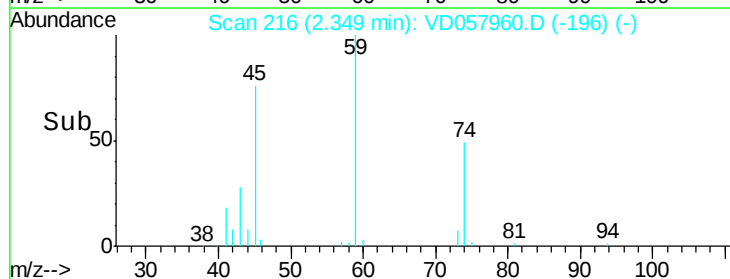
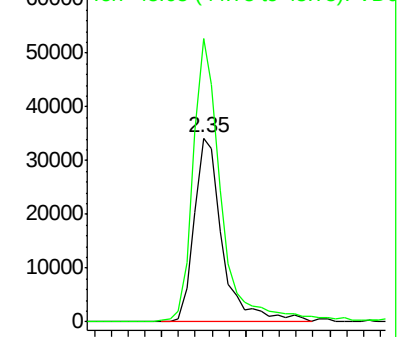
74 100

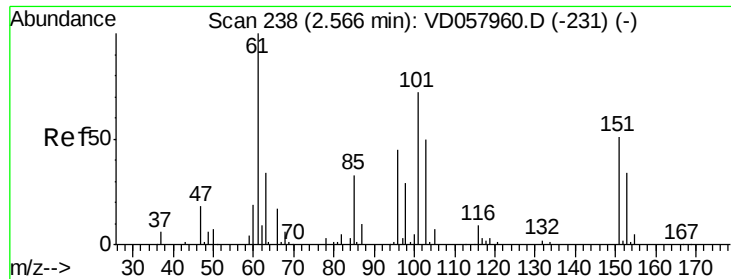
45 154.2 77.1 231.3



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: 52.12 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

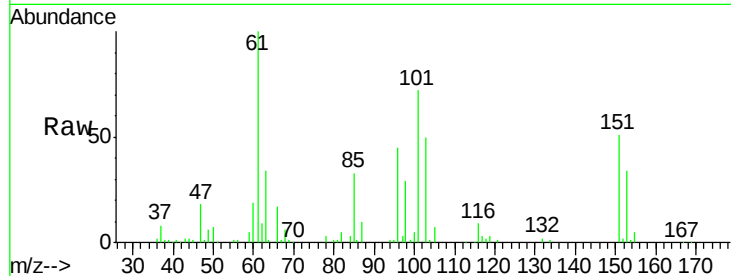
Tgt Ion:101 Resp: 250607

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

151 71.3 57.0 85.6

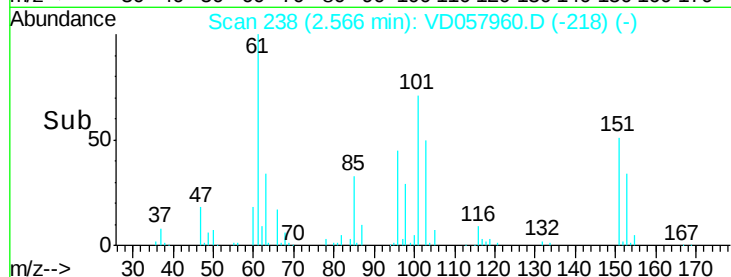


Abundance Ion 100.85 (100.55 to 101.55): V

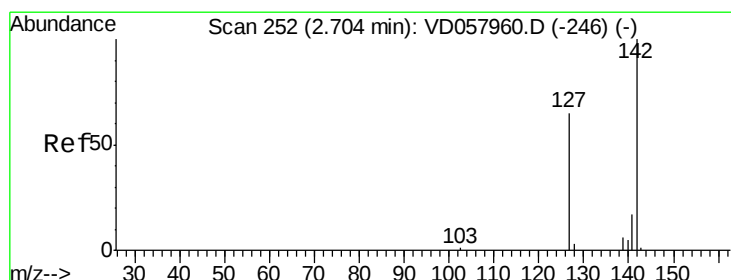
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 51.26 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

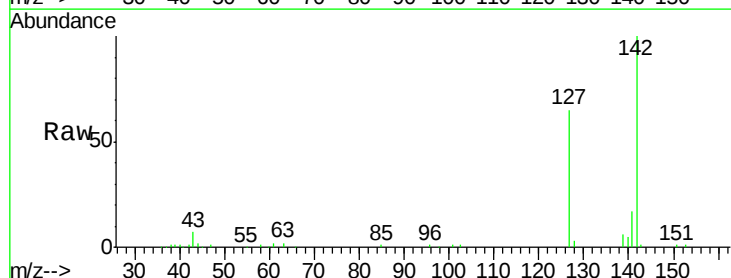
Tgt Ion:142 Resp: 318001

Ion Ratio Lower Upper

142 100

127 65.0 52.0 78.0

141 16.5 13.2 19.8

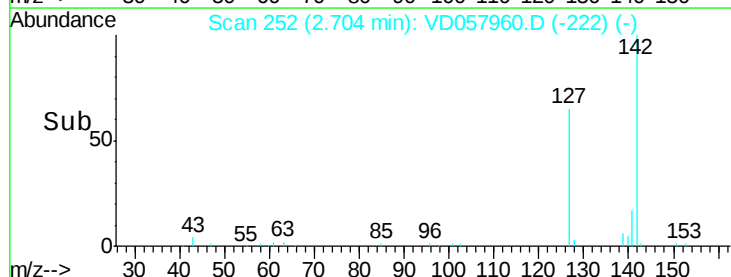


Abundance Ion 141.85 (141.55 to 142.55): V

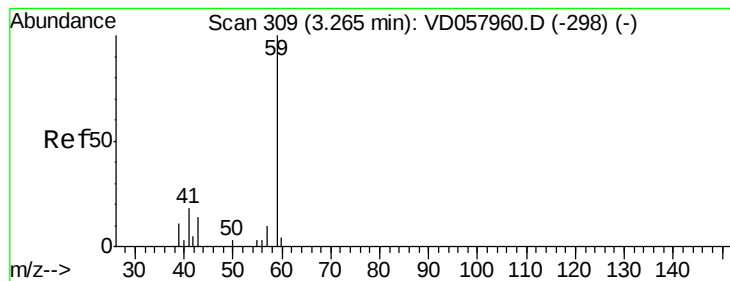
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

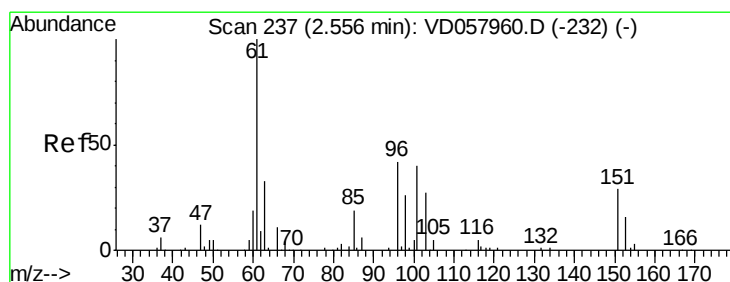
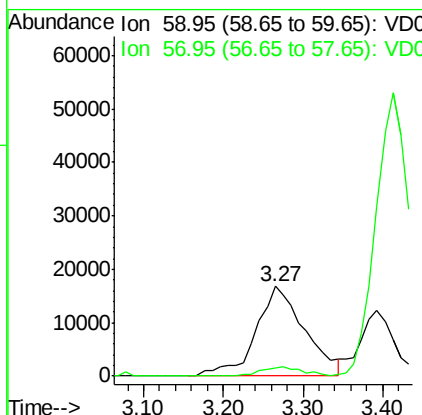
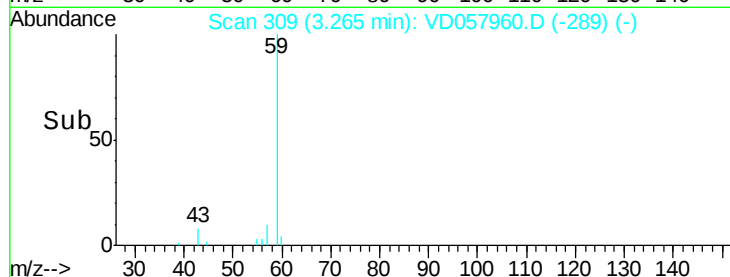
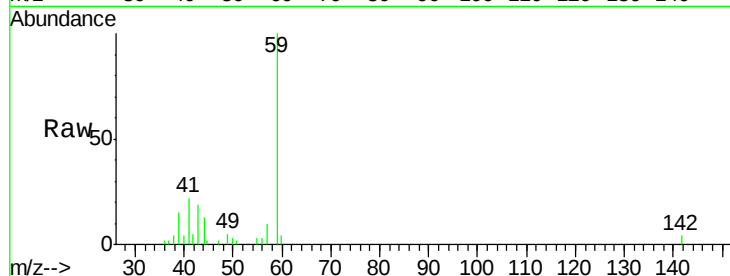


#11

Tert butyl alcohol
Concen: 286.92 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

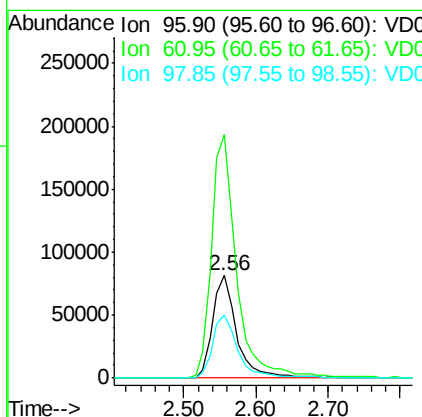
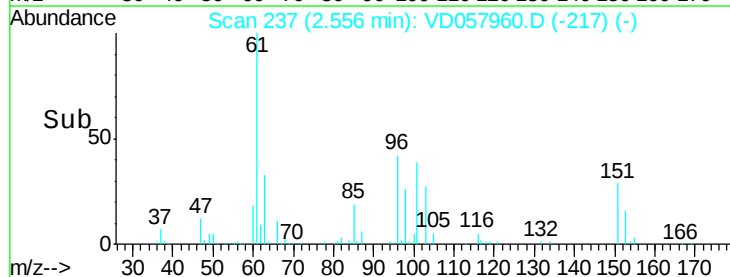
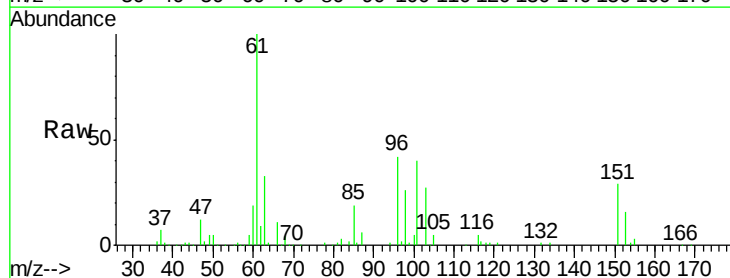
Tgt Ion: 59 Resp: 70818
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

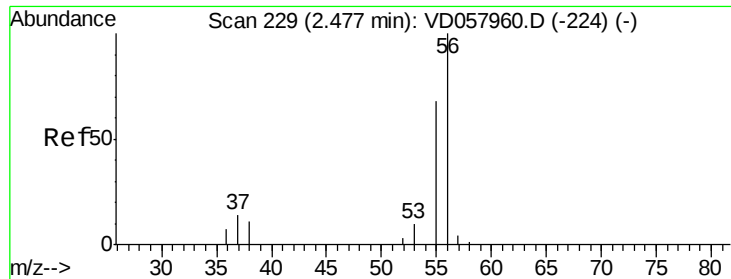


#12

1,1-Dichloroethene
Concen: 51.34 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 96 Resp: 189768
Ion Ratio Lower Upper
96 100
61 237.8 190.2 285.4
98 62.0 49.6 74.4

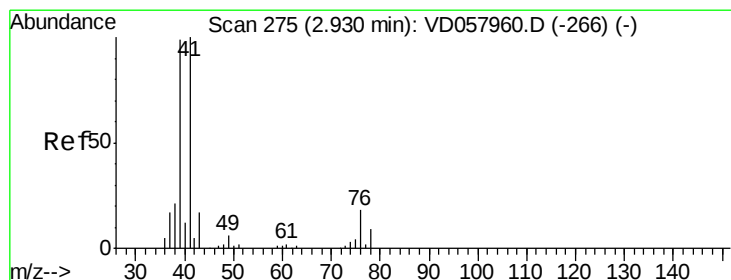
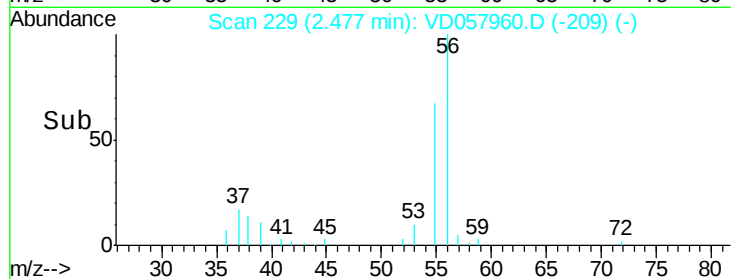
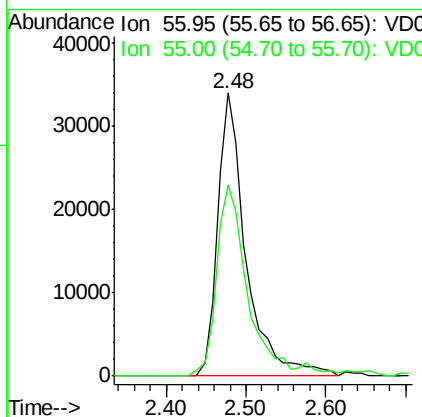
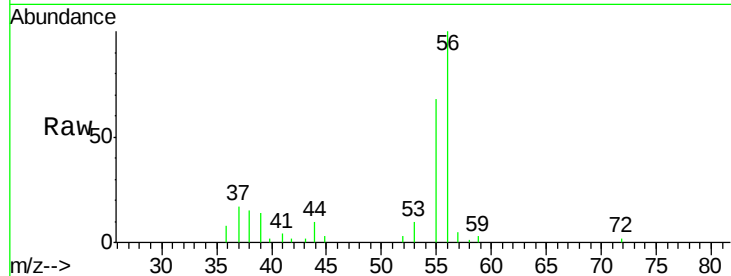




#13
 Acrolein
 Concen: 239.61 ug/l
 RT: 2.48 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

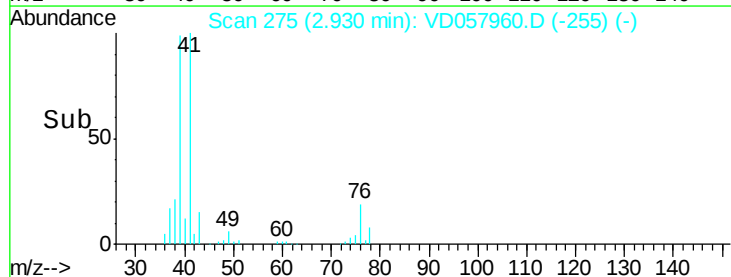
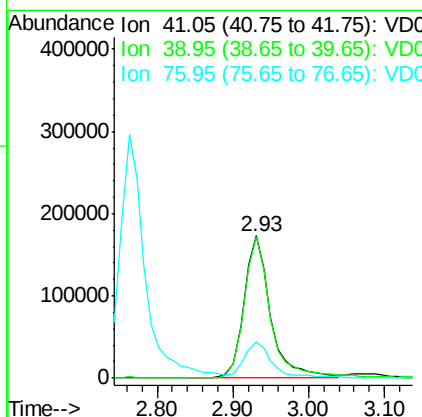
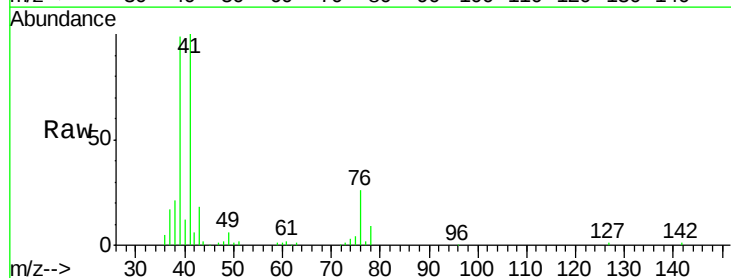
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

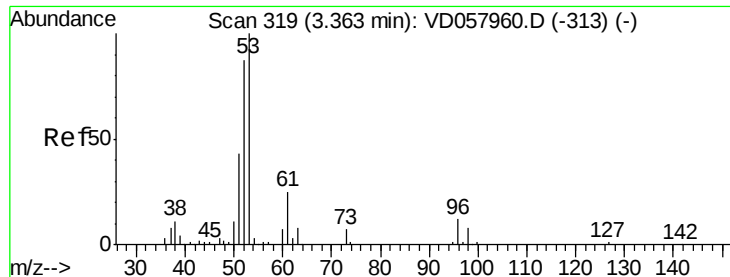
Tgt Ion: 56 Resp: 84700
 Ion Ratio Lower Upper
 56 100
 55 67.5 54.0 81.0



#14
 Allyl chloride
 Concen: 49.47 ug/l
 RT: 2.93 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 41 Resp: 421789
 Ion Ratio Lower Upper
 41 100
 39 99.4 79.5 119.3
 76 25.9 20.7 31.1





#15

Acrylonitrile

Concen: 245.15 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

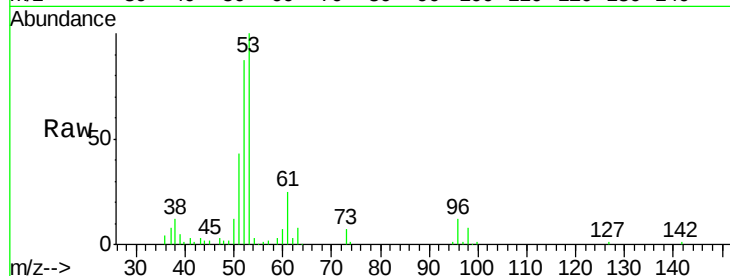
Tgt Ion: 53 Resp: 353991

Ion Ratio Lower Upper

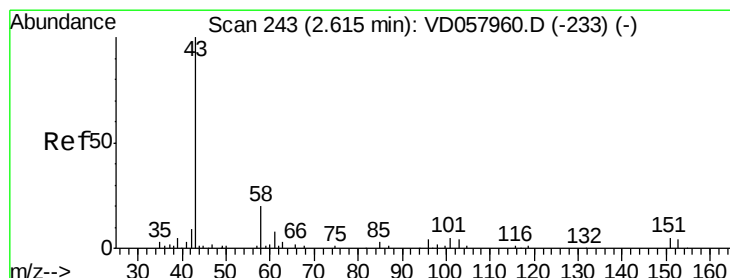
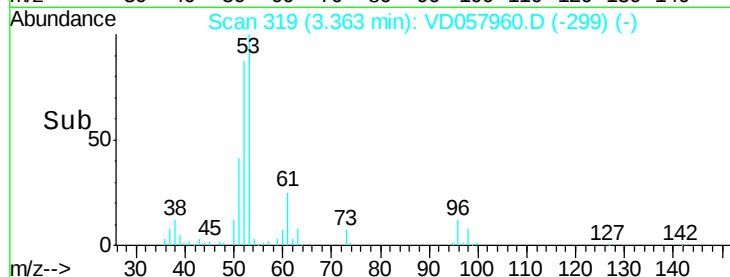
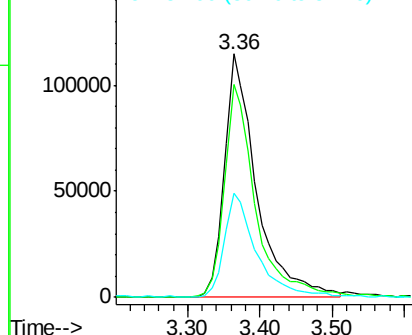
53 100

52 87.4 69.9 104.9

51 42.9 34.3 51.5



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: 254.69 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD057960.D

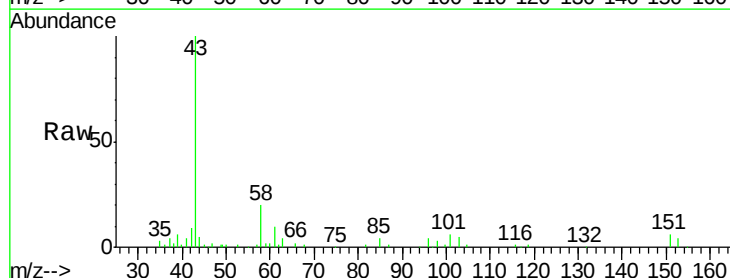
Acq: 6 Jun 2018 19:18

Tgt Ion: 43 Resp: 338090

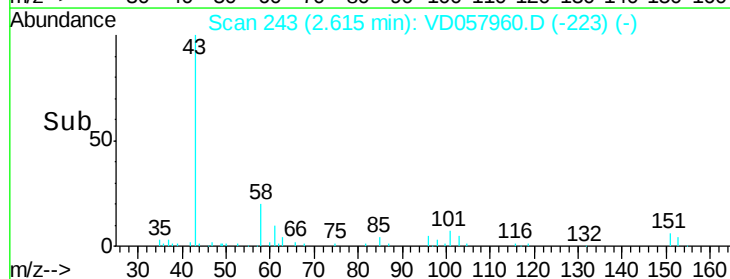
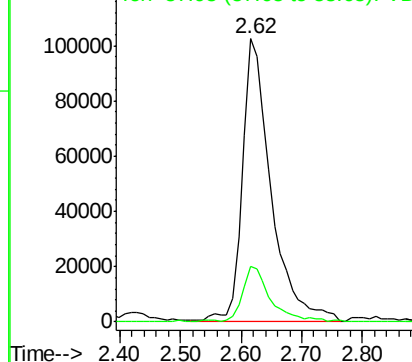
Ion Ratio Lower Upper

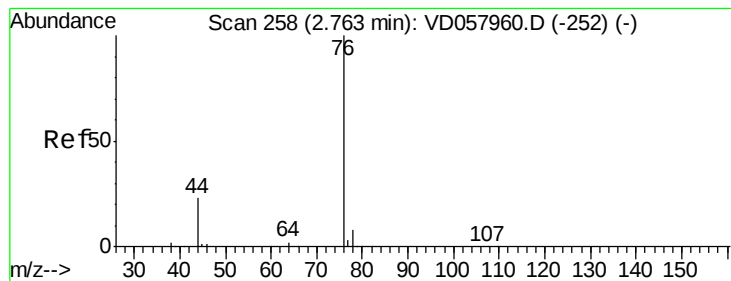
43 100

58 19.8 15.8 23.8



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





#17

Carbon Disulfide

Concen: 50.78 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

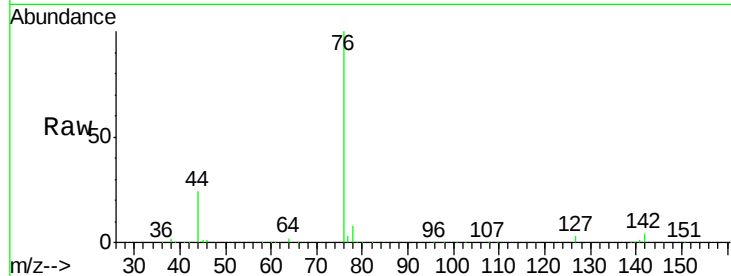
VSTDICCC050

Tgt Ion: 76 Resp: 679916

Ion Ratio Lower Upper

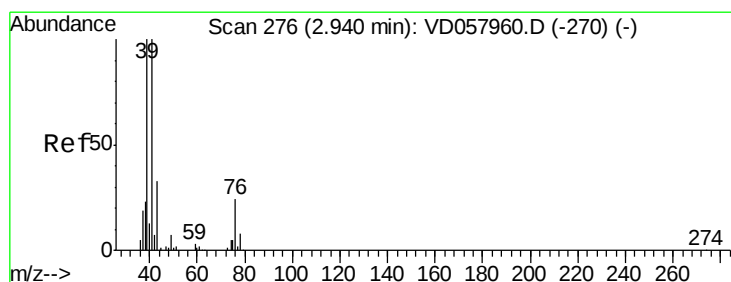
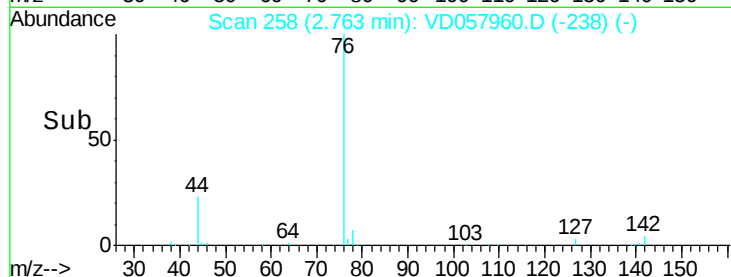
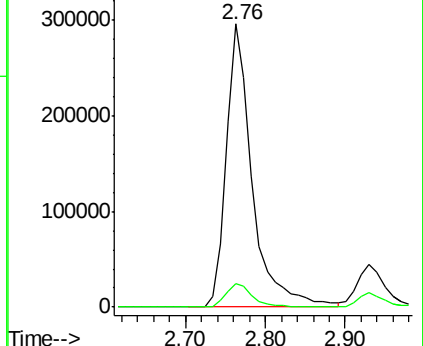
76 100

78 8.4 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 45.73 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD057960.D

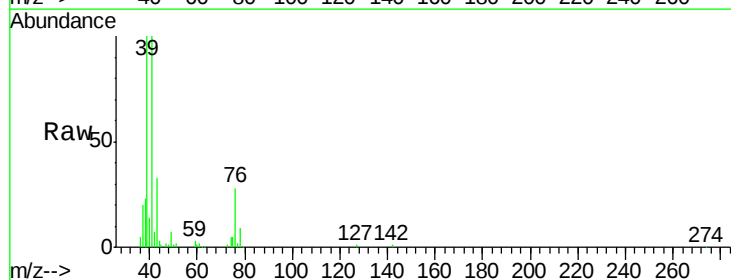
Acq: 6 Jun 2018 19:18

Tgt Ion: 43 Resp: 117440

Ion Ratio Lower Upper

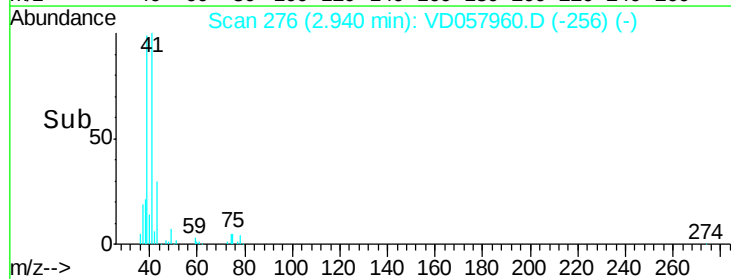
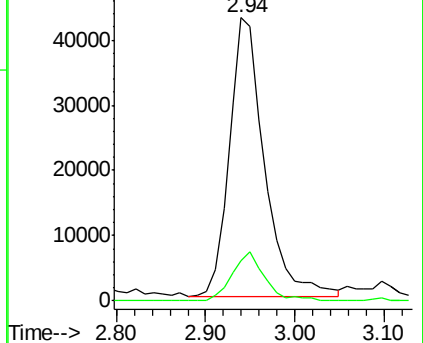
43 100

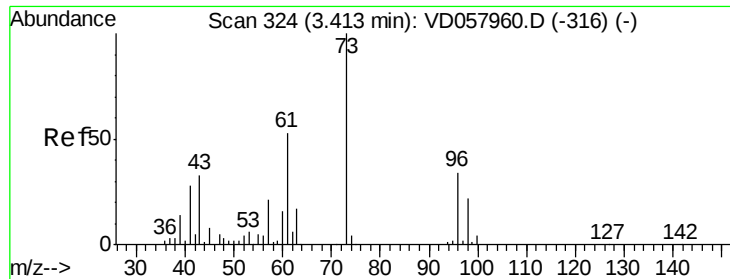
74 14.0 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

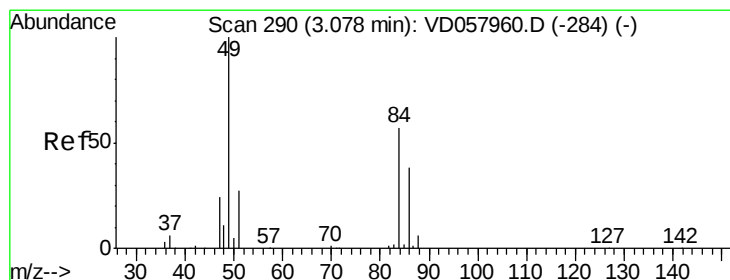
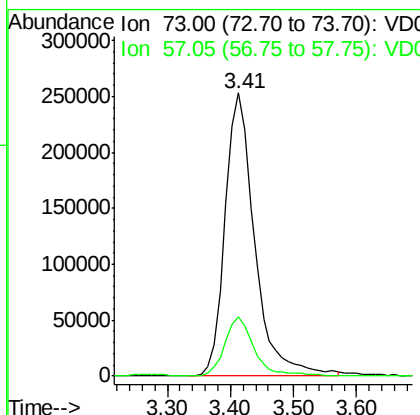
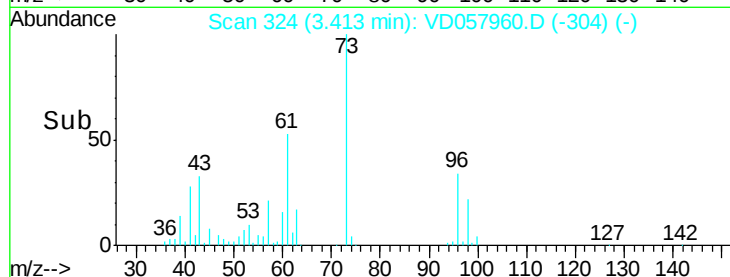
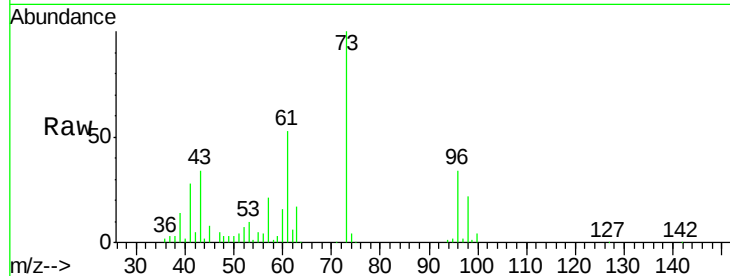




#19
Methyl tert-butyl Ether
Concen: 50.67 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

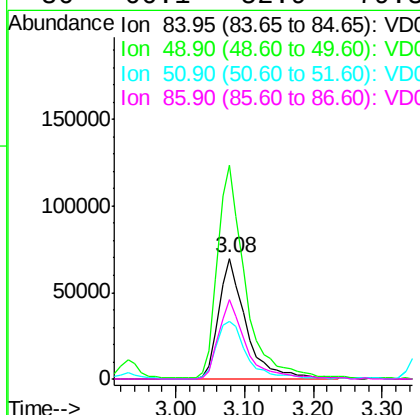
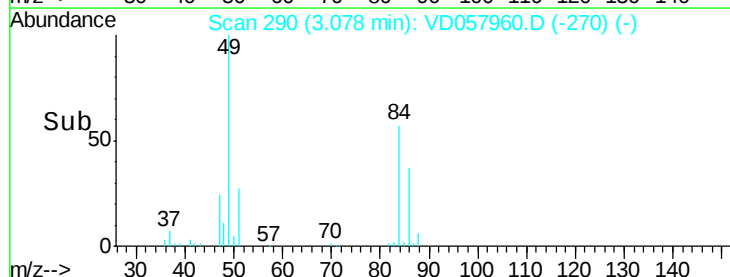
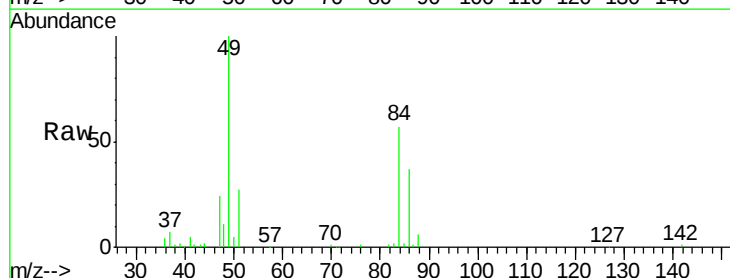
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

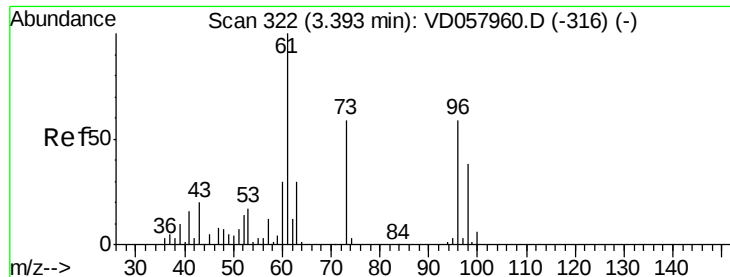
Tgt Ion: 73 Resp: 824140
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1



#20
Methylene Chloride
Concen: 42.61 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 84 Resp: 193302
Ion Ratio Lower Upper
84 100
49 176.7 141.4 212.0
51 47.9 38.3 57.5
86 66.1 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 50.73 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

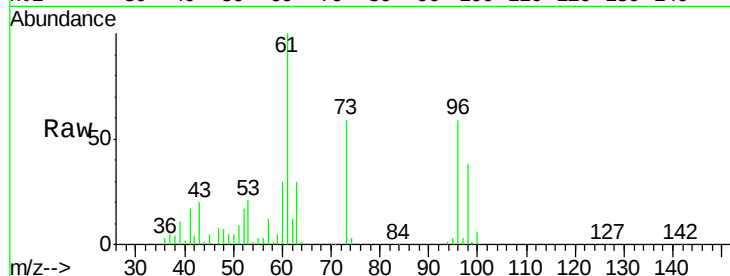
Tgt Ion: 96 Resp: 417639

Ion Ratio Lower Upper

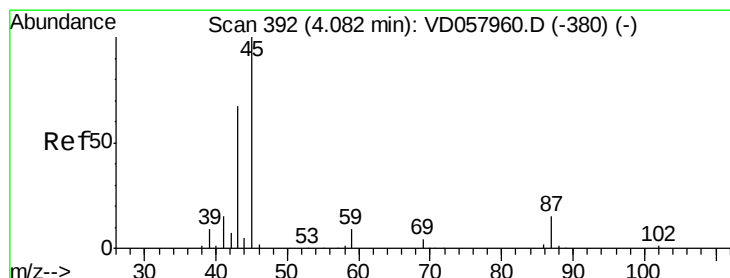
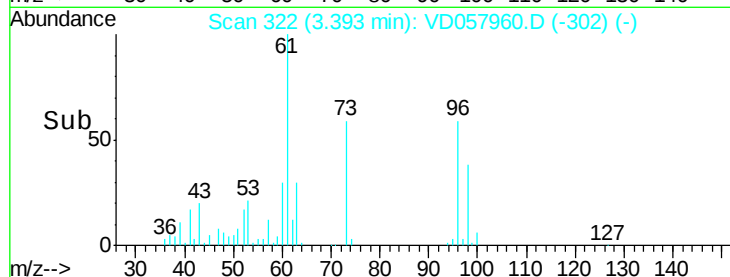
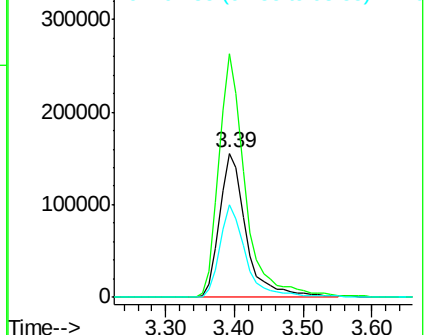
96 100

61 169.0 135.2 202.8

98 64.6 51.7 77.5



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



#22

Diisopropyl ether

Concen: 51.39 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Tgt Ion: 45 Resp: 1735884

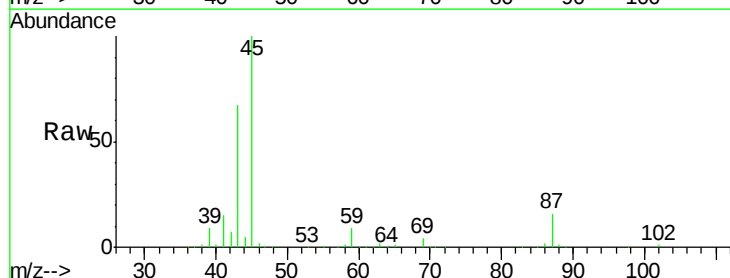
Ion Ratio Lower Upper

45 100

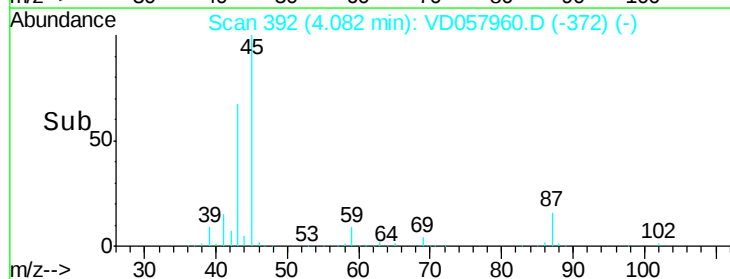
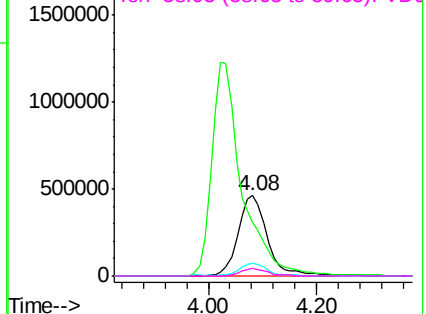
43 67.3 53.8 80.8

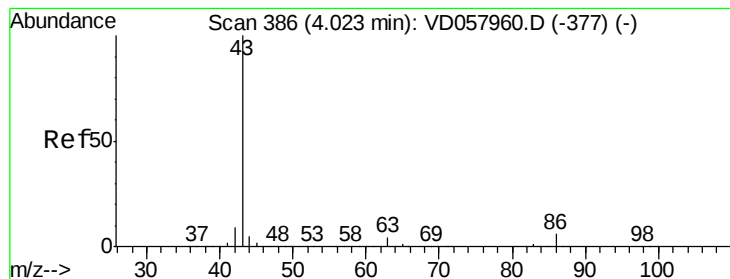
87 15.6 12.5 18.7

59 9.1 7.3 10.9



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





#23

Vinyl Acetate

Concen: 268.04 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

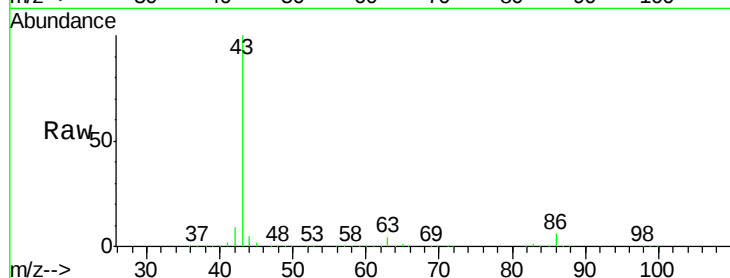
VSTDICCC050

Tgt Ion: 43 Resp: 4678109

Ion Ratio Lower Upper

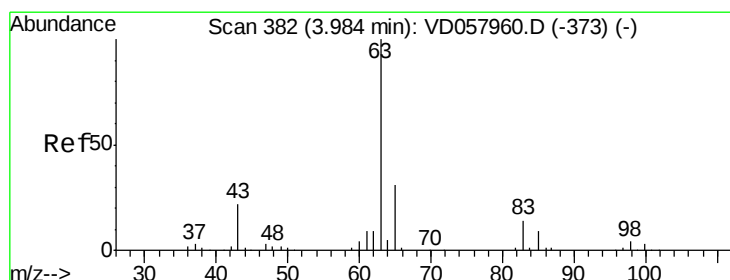
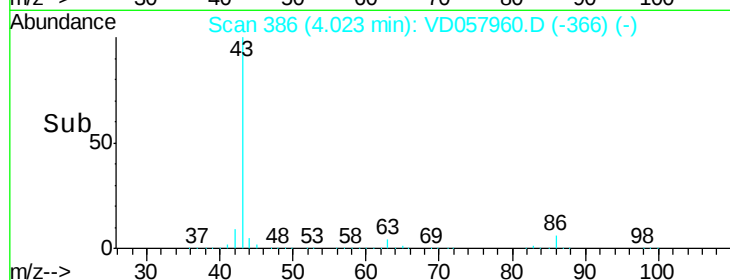
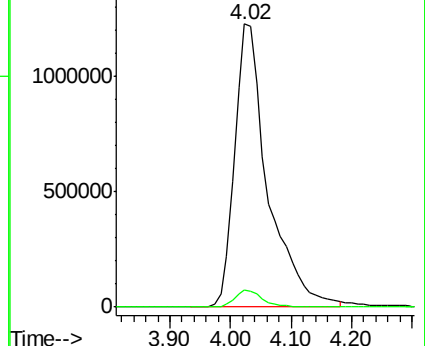
43 100

86 5.9 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.61 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

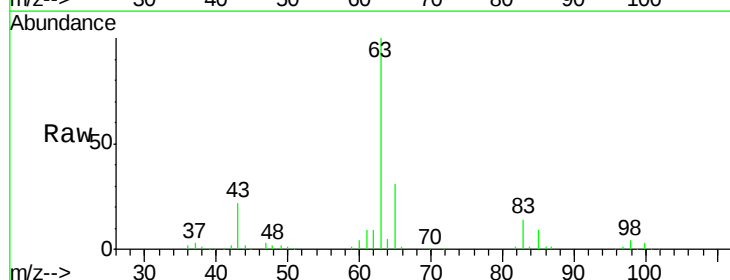
Tgt Ion: 63 Resp: 921040

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

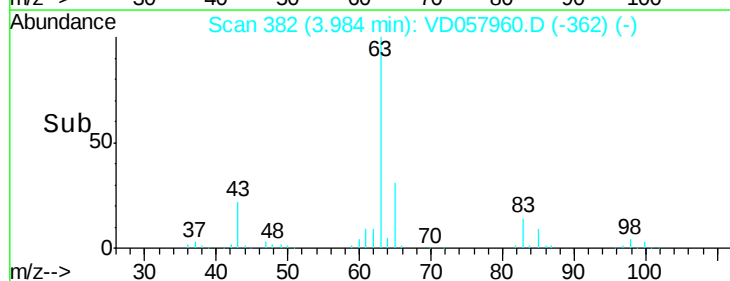
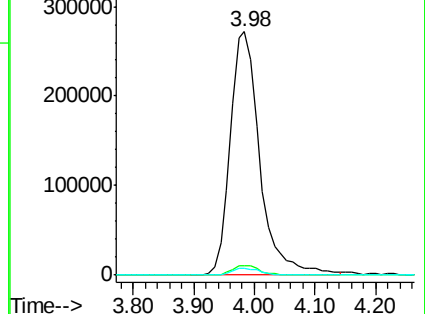
100 2.8 1.4 4.2

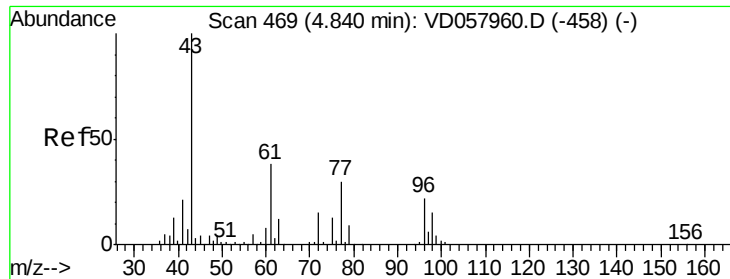


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

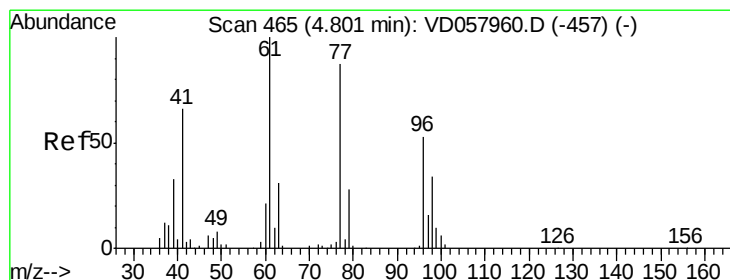
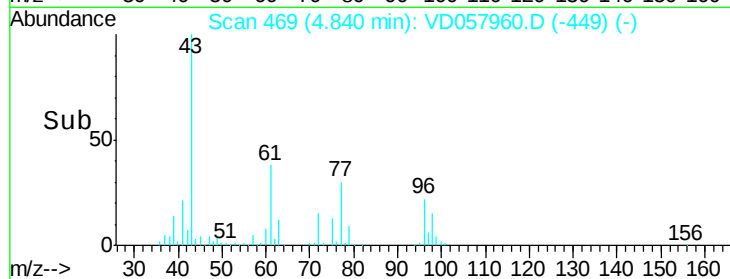
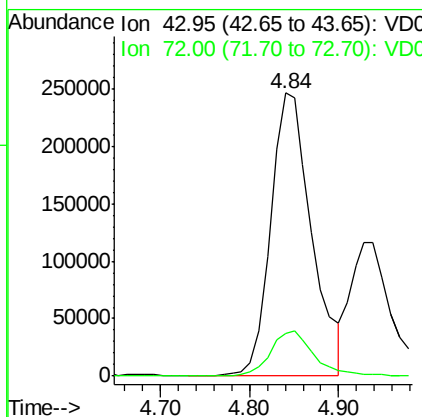
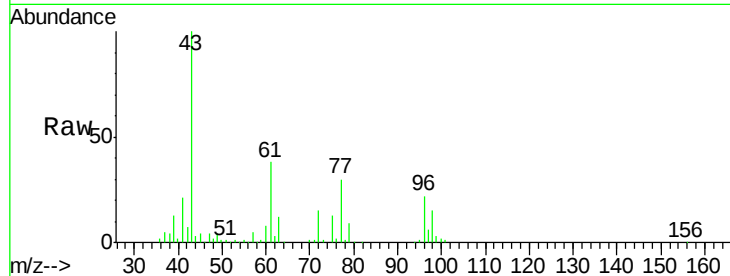




#25
 2-Butanone
 Concen: 258.42 ug/l
 RT: 4.84 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

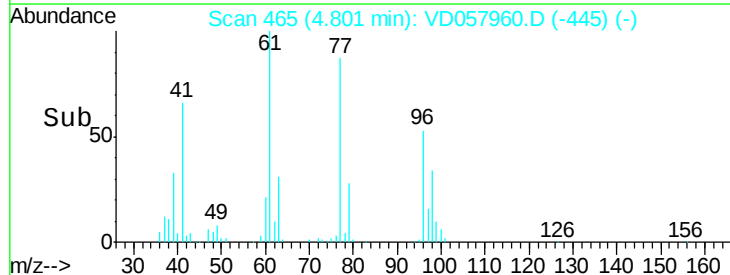
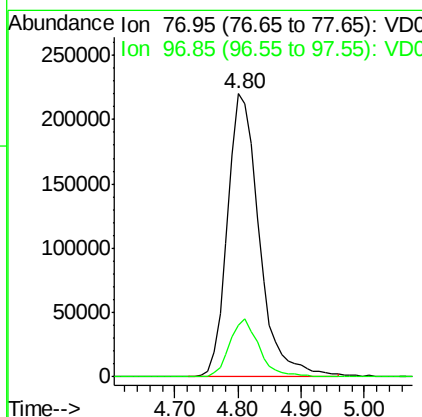
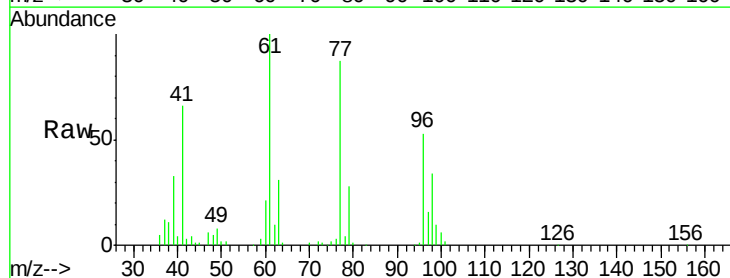
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

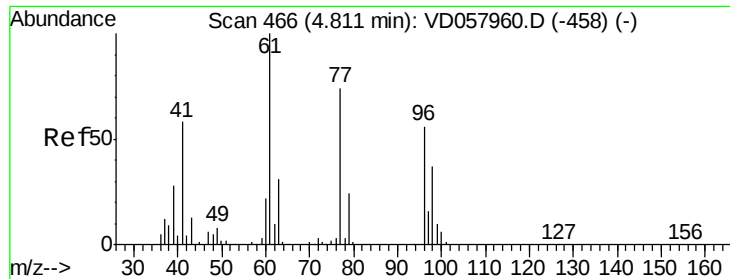
Tgt Ion: 43 Resp: 779615
 Ion Ratio Lower Upper
 43 100
 72 15.0 12.0 18.0



#26
 2,2-Dichloropropane
 Concen: 50.31 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 77 Resp: 769382
 Ion Ratio Lower Upper
 77 100
 97 18.4 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 50.13 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

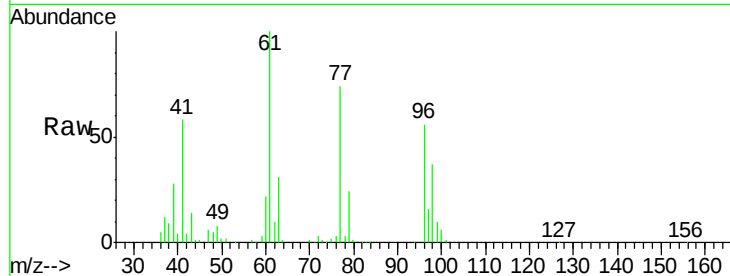
Tgt Ion: 96 Resp: 489482

Ion Ratio Lower Upper

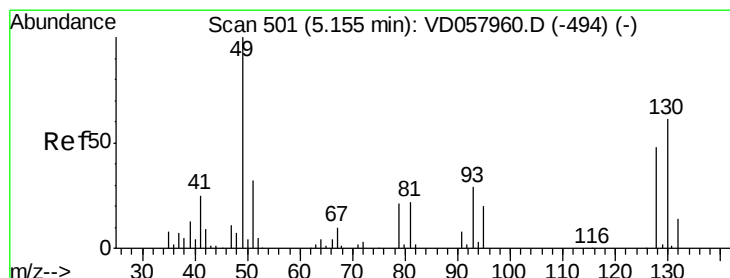
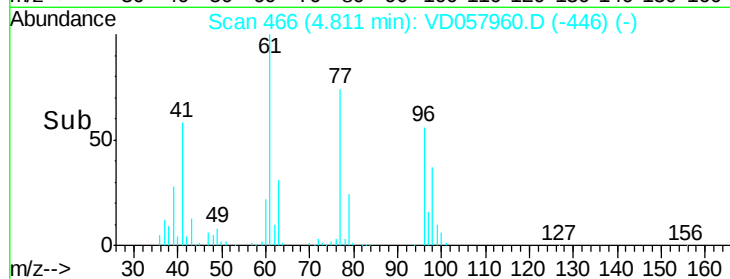
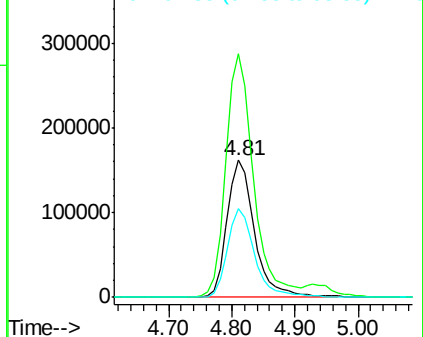
96 100

61 177.5 0.0 355.0

98 64.8 0.0 129.6



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: 50.80 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

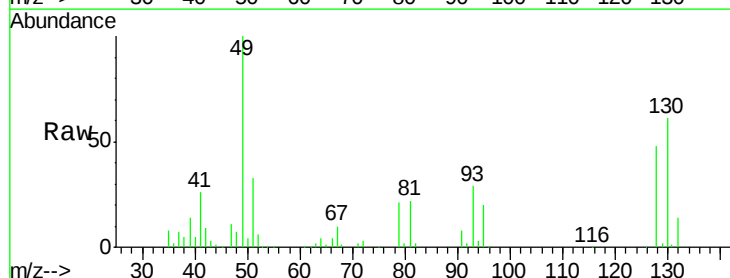
Tgt Ion: 49 Resp: 408171

Ion Ratio Lower Upper

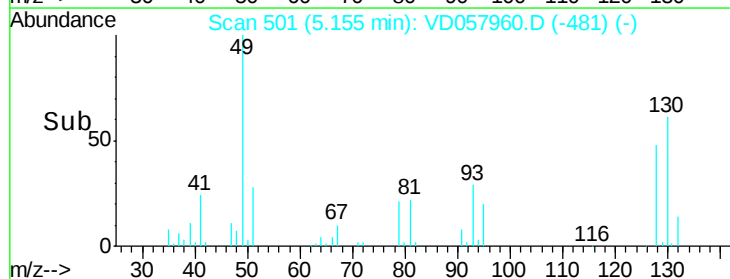
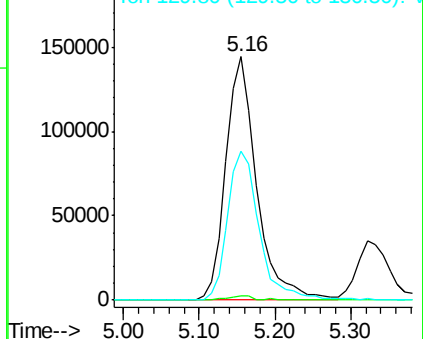
49 100

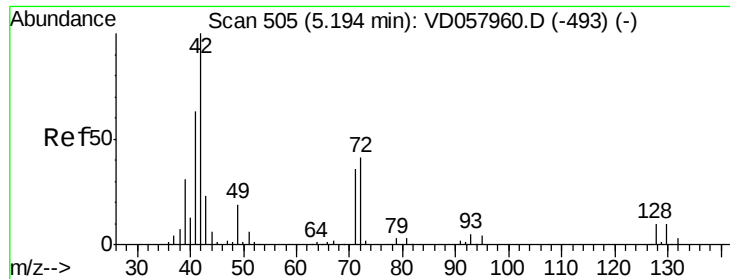
129 1.8 0.0 3.6

130 61.0 48.8 73.2



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

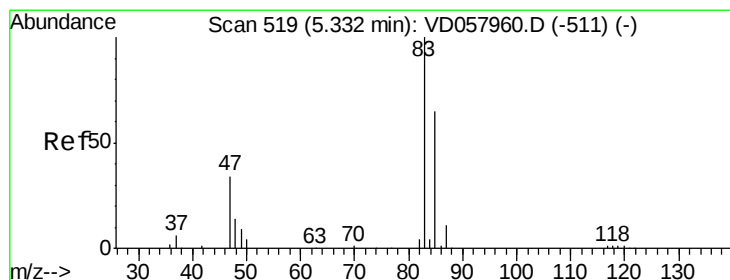
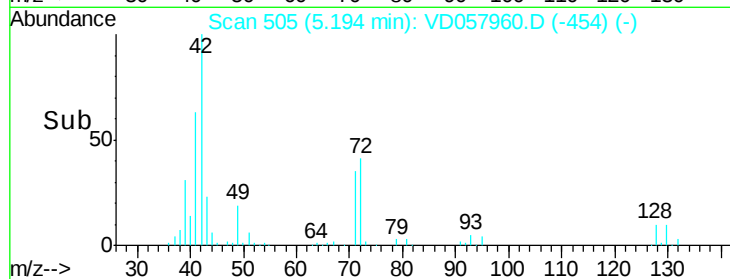
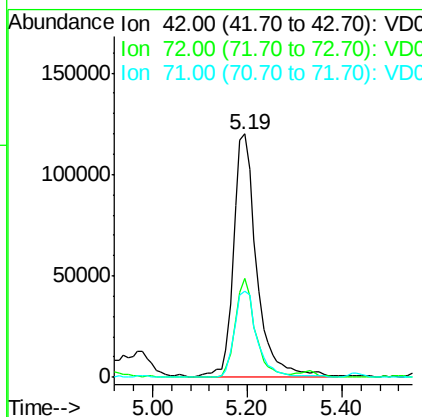
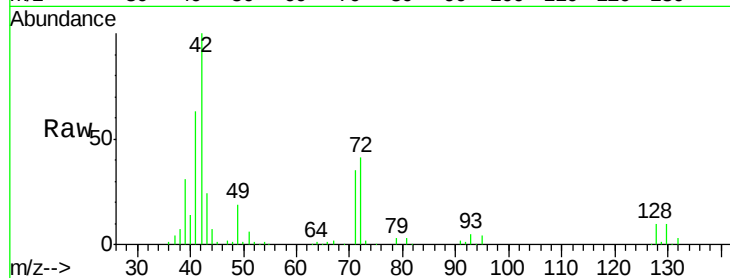




#29
Tetrahydrofuran
Concen: 254.27 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

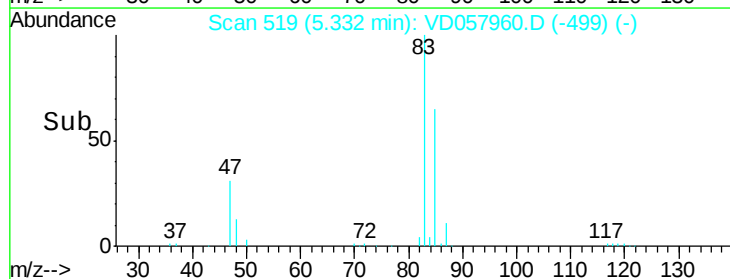
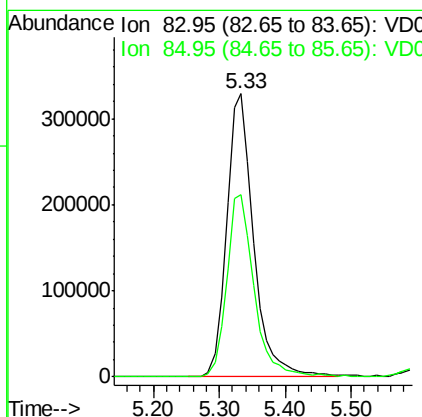
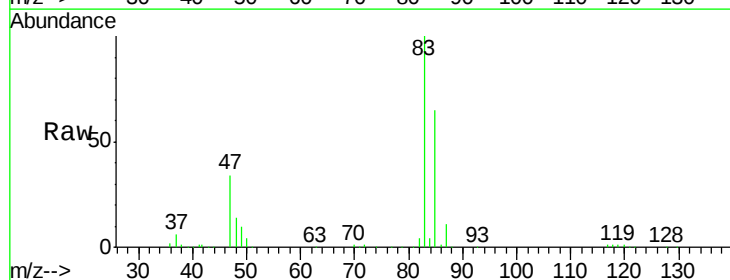
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

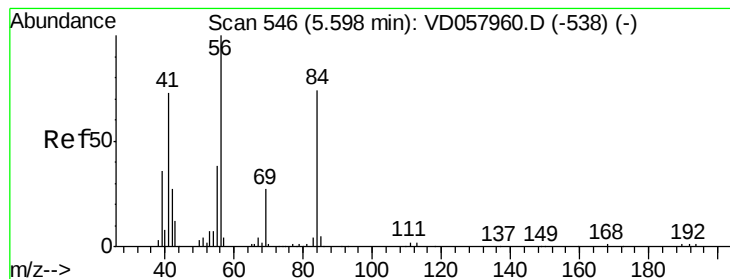
Tgt Ion: 42 Resp: 402107
Ion Ratio Lower Upper
42 100
72 35.6 28.5 42.7
71 34.9 27.9 41.9



#30
Chloroform
Concen: 50.41 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 83 Resp: 941816
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4





#31

Cyclohexane

Concen: 46.39 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

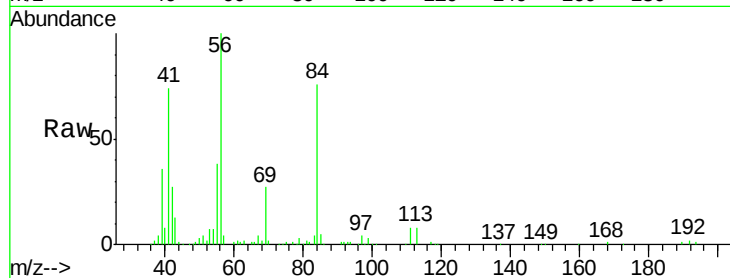
Tgt Ion: 56 Resp: 743301

Ion Ratio Lower Upper

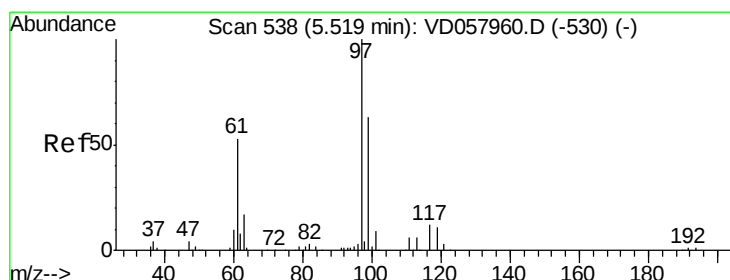
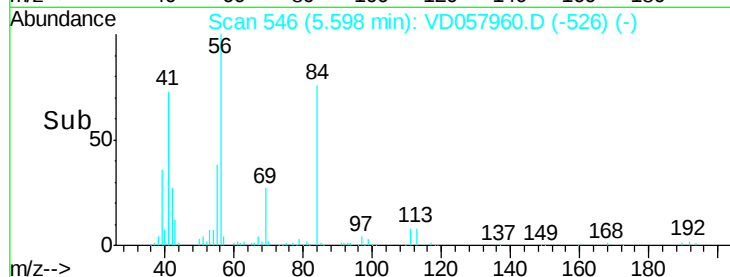
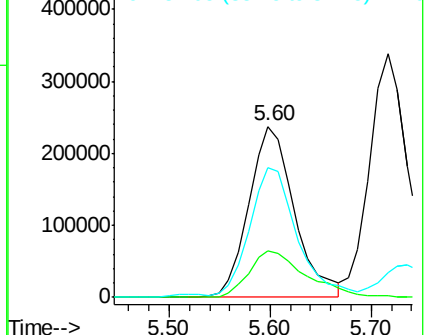
56 100

69 26.9 21.5 32.3

84 76.3 61.0 91.6



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: 50.37 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

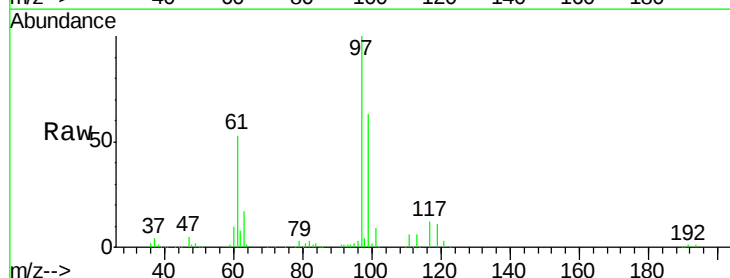
Tgt Ion: 97 Resp: 788039

Ion Ratio Lower Upper

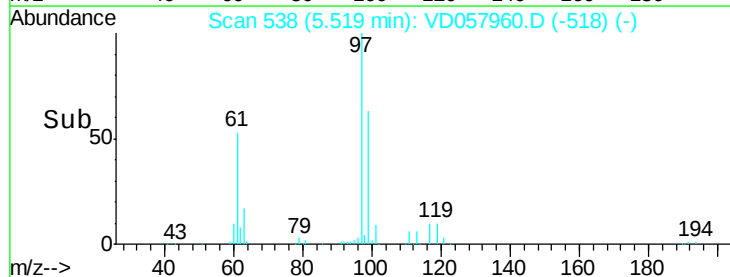
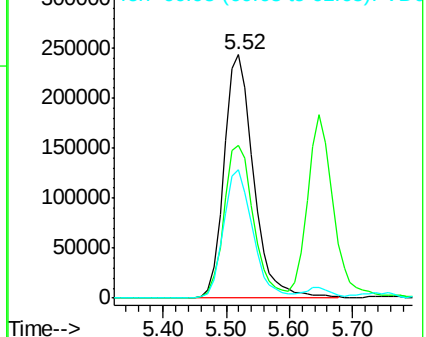
97 100

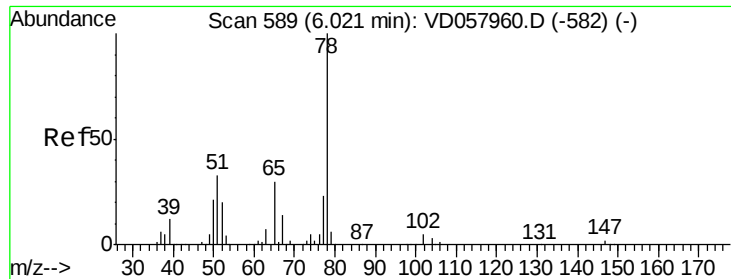
99 62.6 50.1 75.1

61 52.8 42.2 63.4



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: 50.37 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

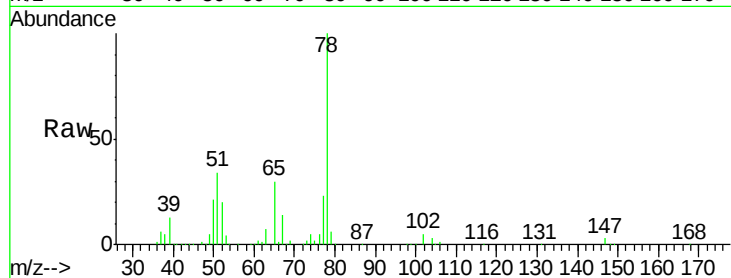
VSTDICCC050

Tgt Ion: 65 Resp: 448767

Ion Ratio Lower Upper

65 100

67 47.0 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

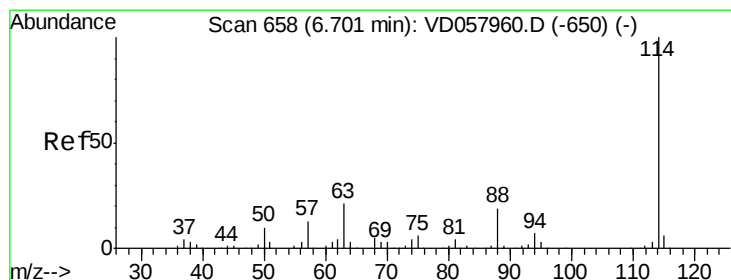
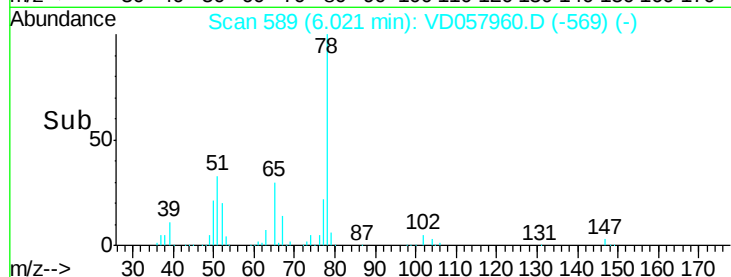
50000

0

6.02

6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

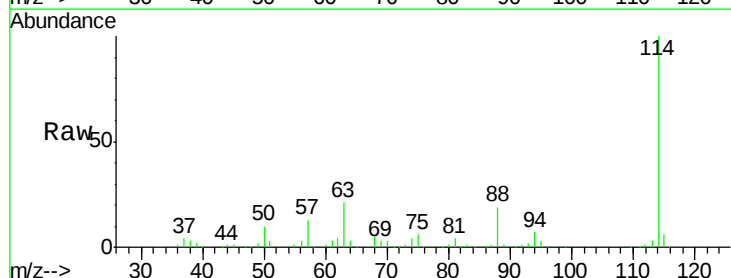
Tgt Ion: 114 Resp: 1244459

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

88 18.9 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

200000

100000

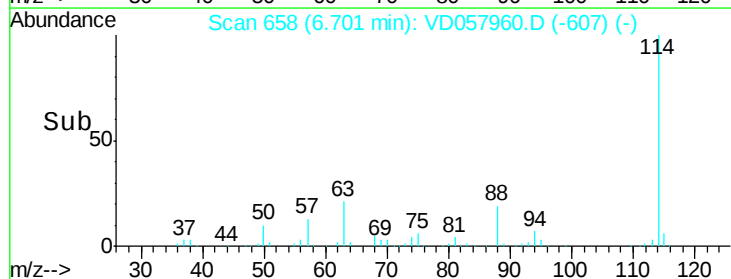
0

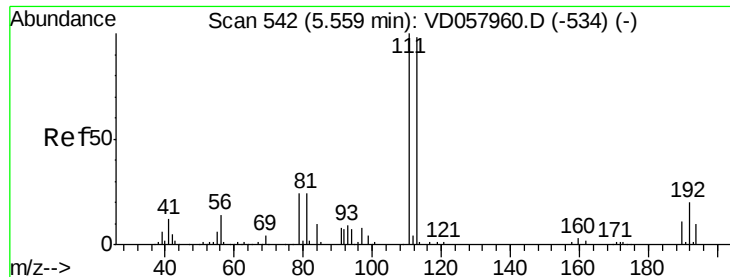
6.70

6.80

7.00

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

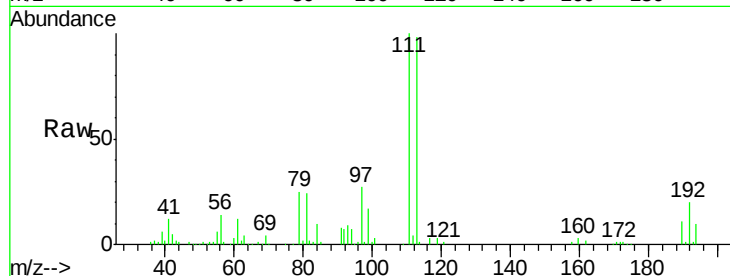
Tgt Ion:113 Resp: 466059

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

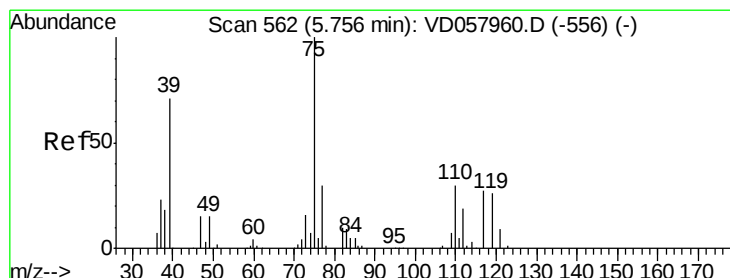
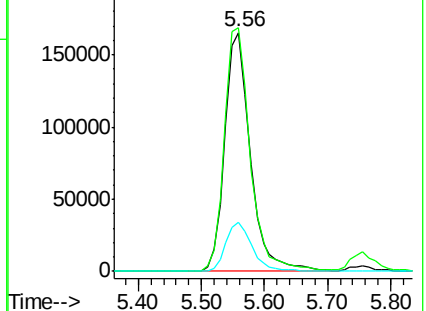
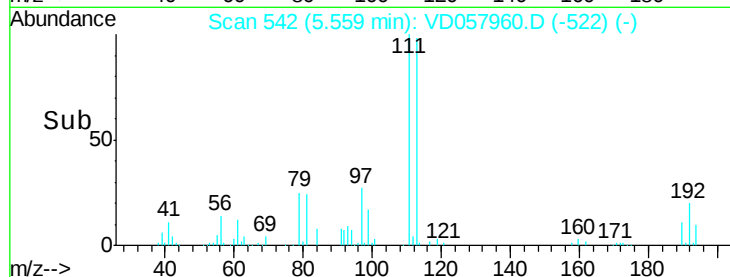
192 20.5 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.27 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

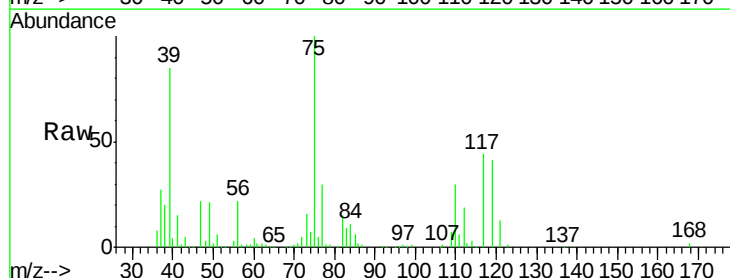
Tgt Ion: 75 Resp: 675591

Ion Ratio Lower Upper

75 100

110 29.5 14.8 44.3

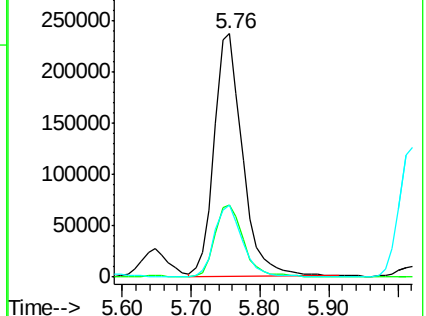
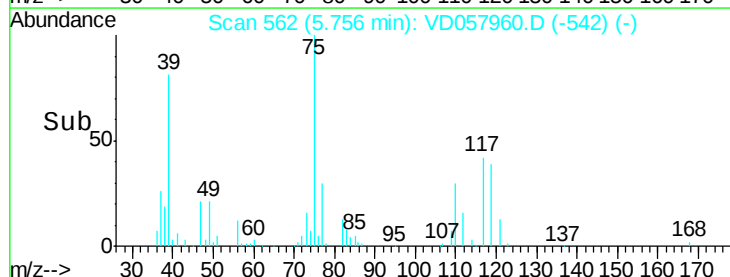
77 29.9 23.9 35.9

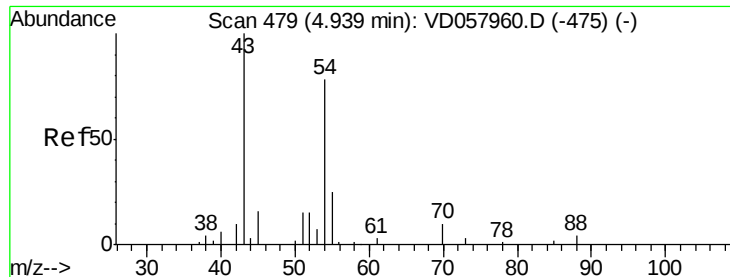


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

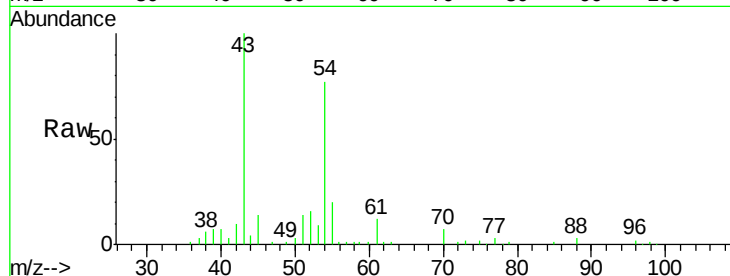




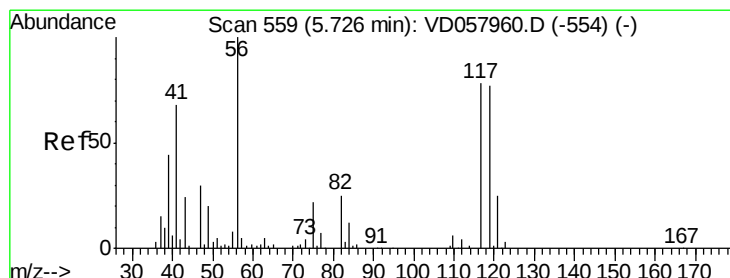
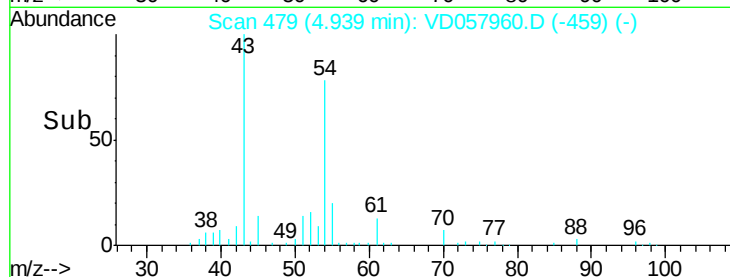
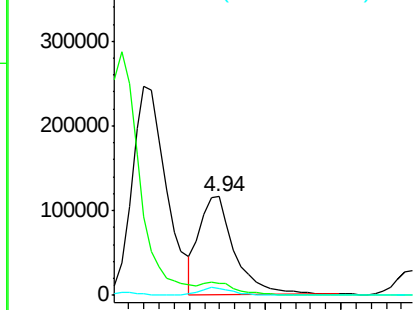
#37
Ethyl Acetate
Concen: 49.49 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 370241
Ion Ratio Lower Upper
43 100
61 12.4 9.9 14.9
70 7.1 5.7 8.5

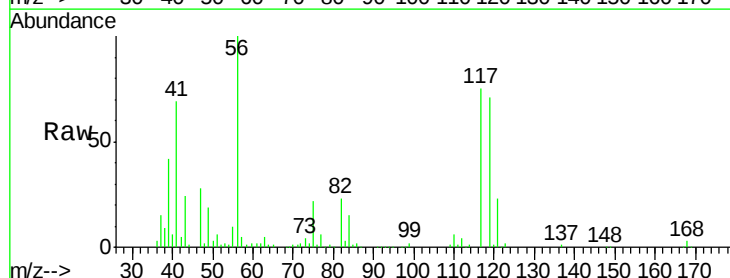


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

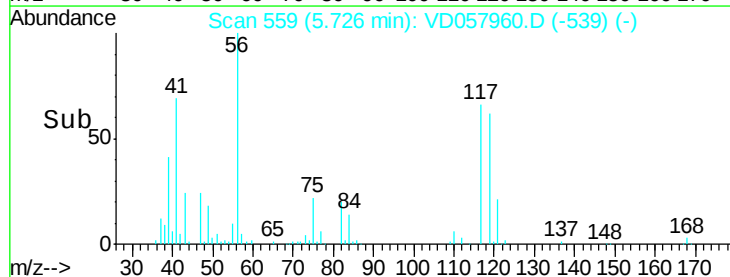
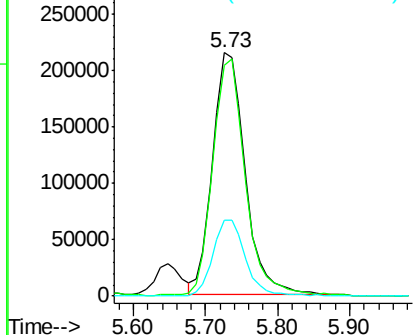


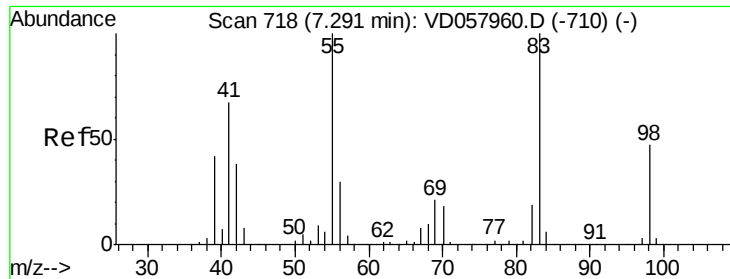
#38
Carbon Tetrachloride
Concen: 49.93 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 117 Resp: 674659
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1
121 31.1 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

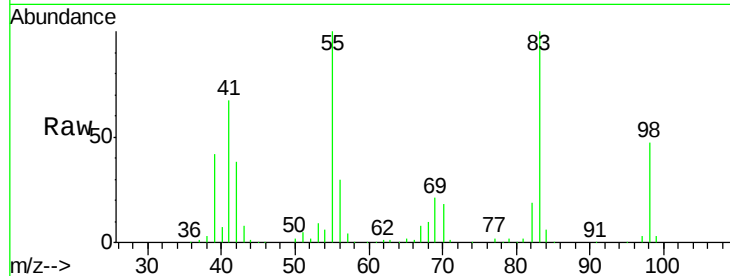




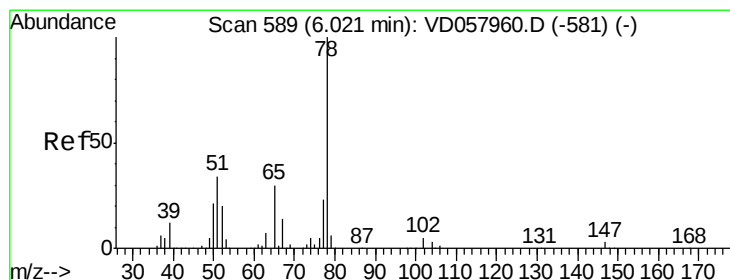
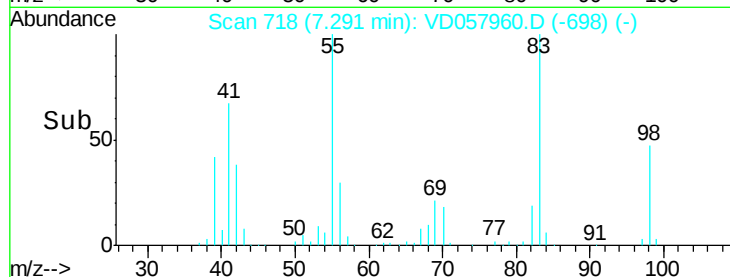
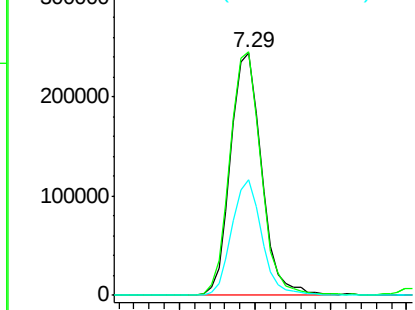
#39
Methylcyclohexane
Concen: 50.96 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 692644
Ion Ratio Lower Upper
83 100
55 100.4 80.3 120.5
98 47.5 38.0 57.0

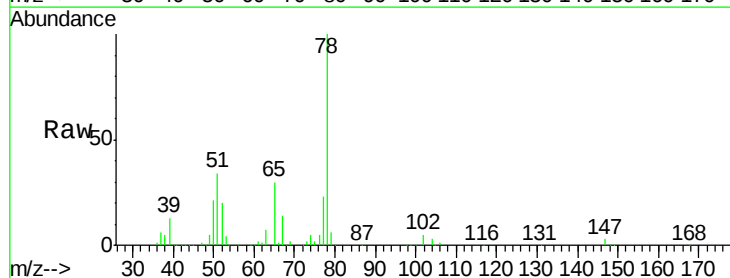


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

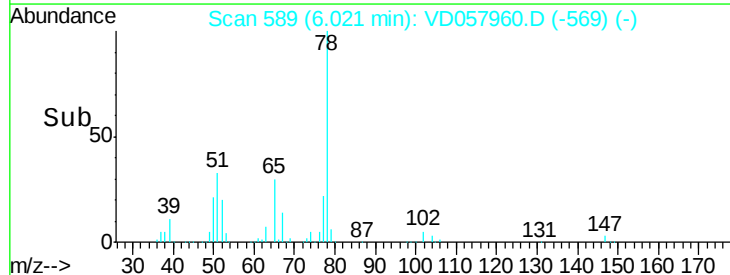
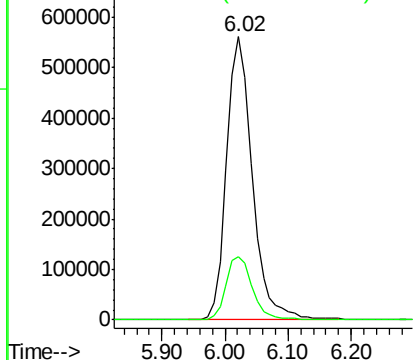


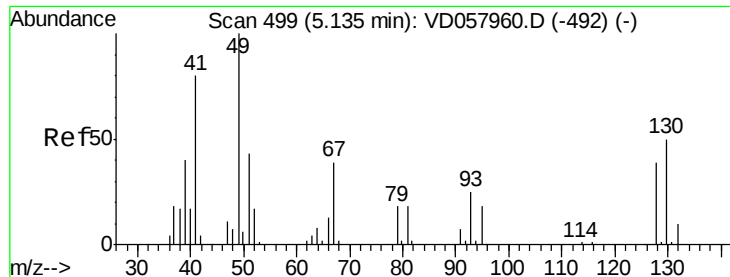
#40
Benzene
Concen: 49.63 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 78 Resp: 1589610
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1



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





#41

Methacrylonitrile

Concen: 51.26 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 175351

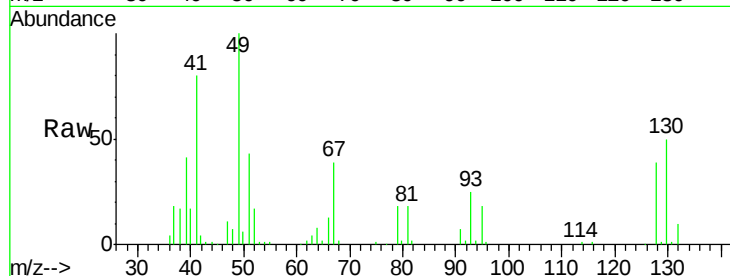
Ion Ratio Lower Upper

41 100

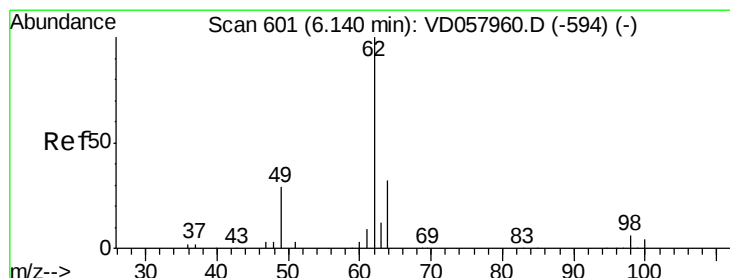
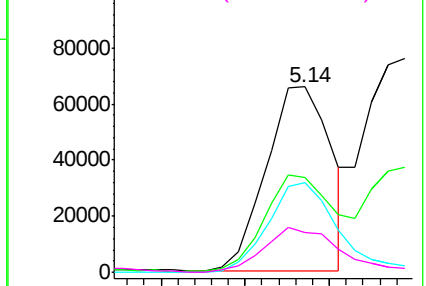
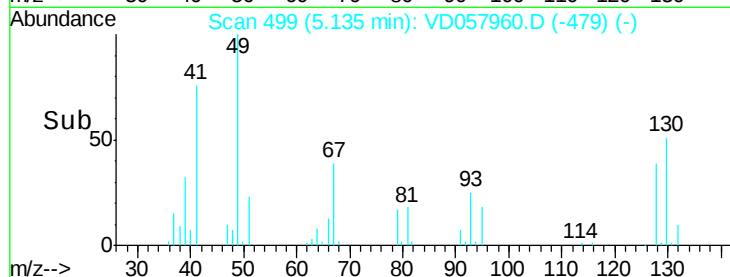
39 50.9 40.7 61.1

67 48.5 38.8 58.2

52 21.6 17.3 25.9



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: 51.18 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD057960.D

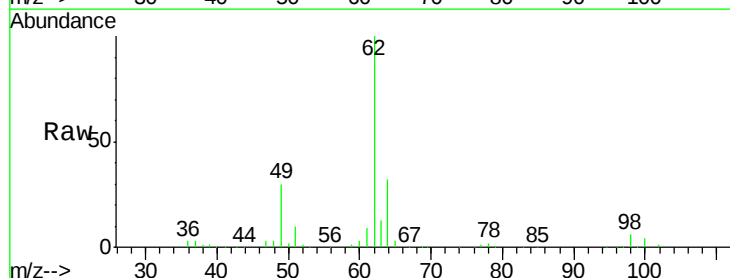
Acq: 6 Jun 2018 19:18

Tgt Ion: 62 Resp: 662783

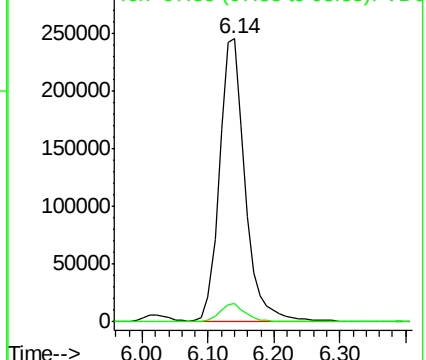
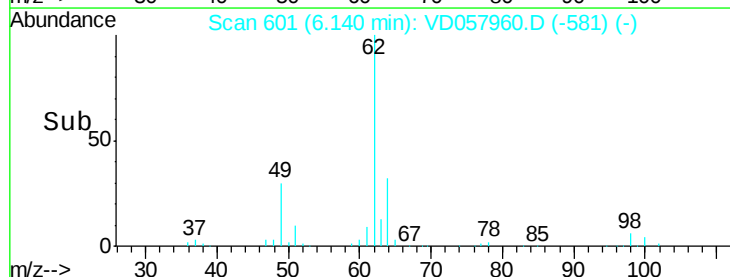
Ion Ratio Lower Upper

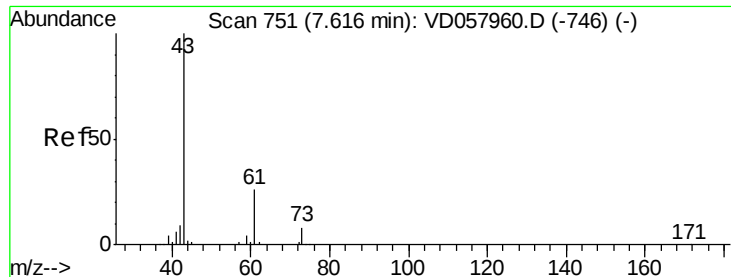
62 100

98 6.4 0.0 12.8



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





#43

Isopropyl Acetate

Concen: 51.72 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

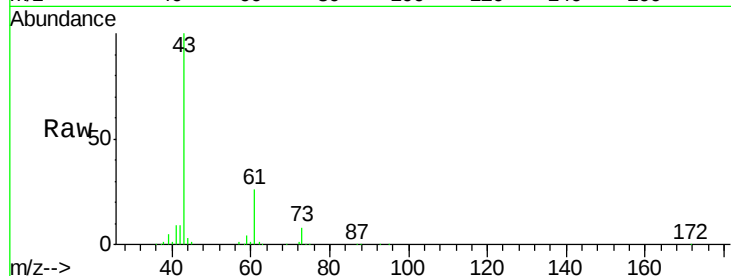
Tgt Ion: 43 Resp: 506770

Ion Ratio Lower Upper

43 100

61 25.7 20.6 30.8

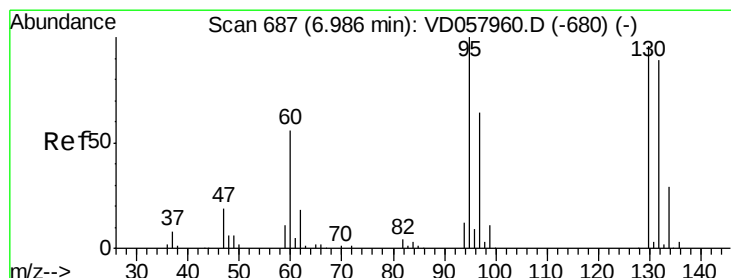
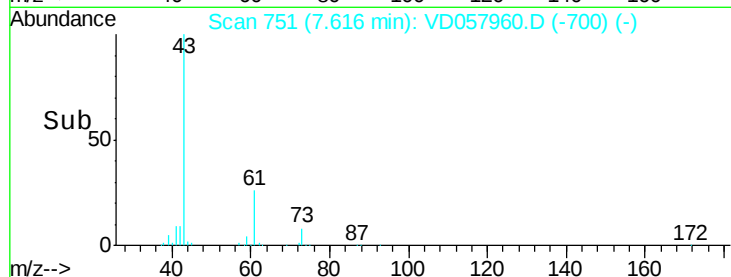
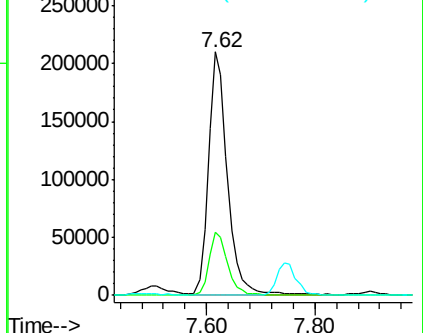
87 0.3 0.2 0.4



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: 51.38 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD057960.D

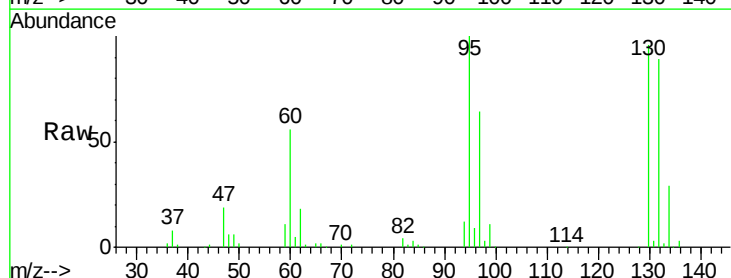
Acq: 6 Jun 2018 19:18

Tgt Ion: 130 Resp: 480648

Ion Ratio Lower Upper

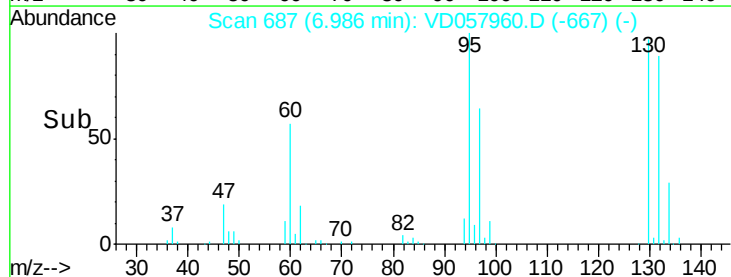
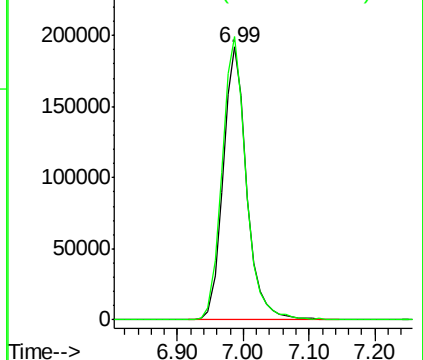
130 100

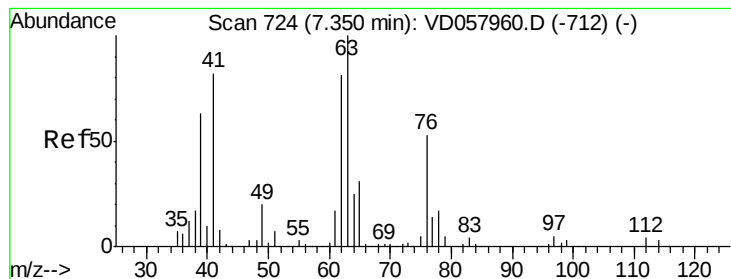
95 103.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.84 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

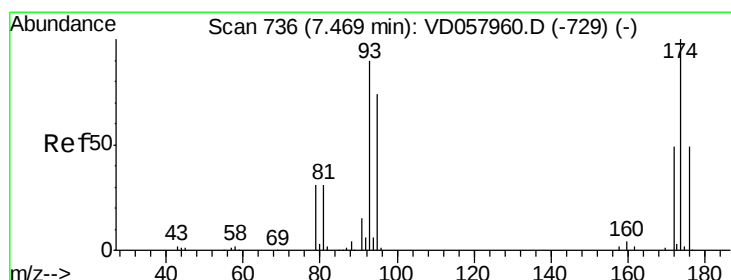
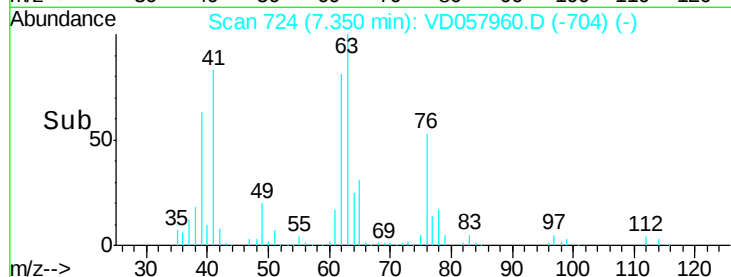
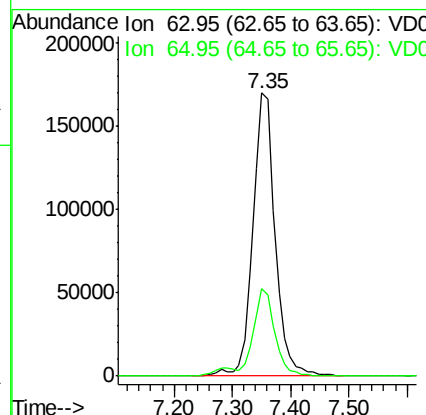
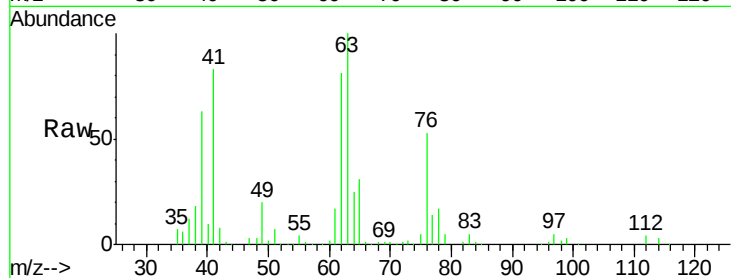
VSTDICCC050

Tgt Ion: 63 Resp: 452549

Ion Ratio Lower Upper

63 100

65 31.1 24.9 37.3



#46

Dibromomethane

Concen: 51.01 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

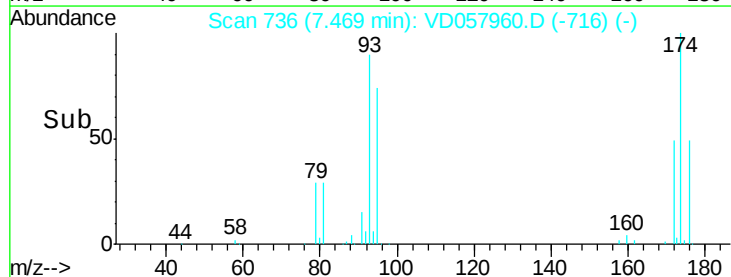
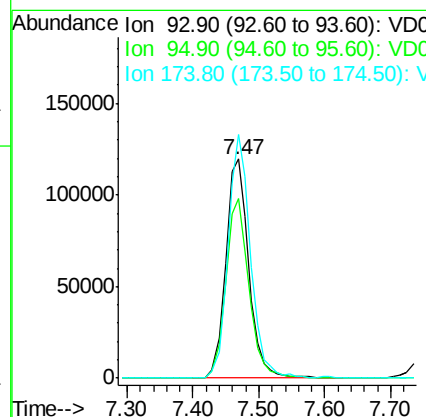
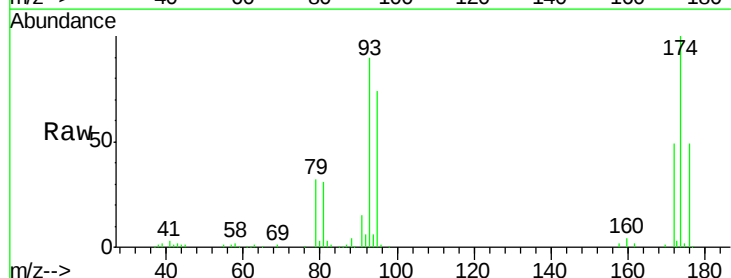
Tgt Ion: 93 Resp: 291707

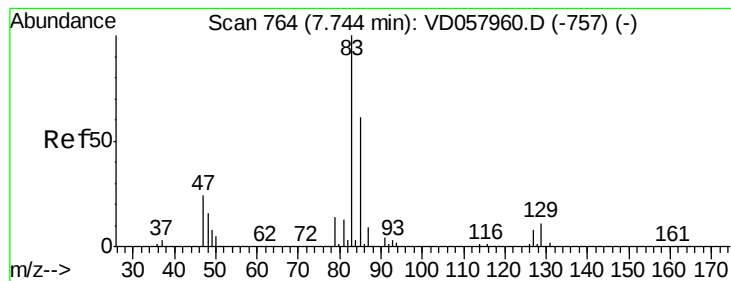
Ion Ratio Lower Upper

93 100

95 82.1 65.7 98.5

174 111.2 89.0 133.4





#47

Bromodichloromethane

Concen: 52.48 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

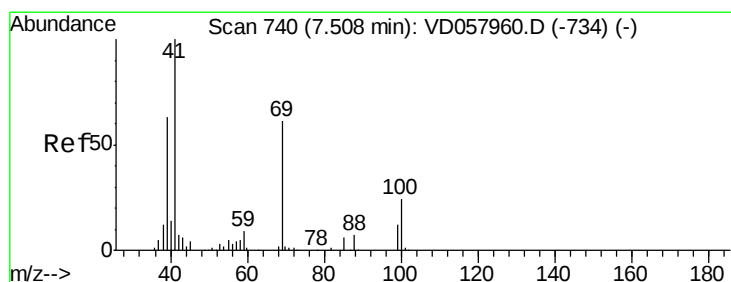
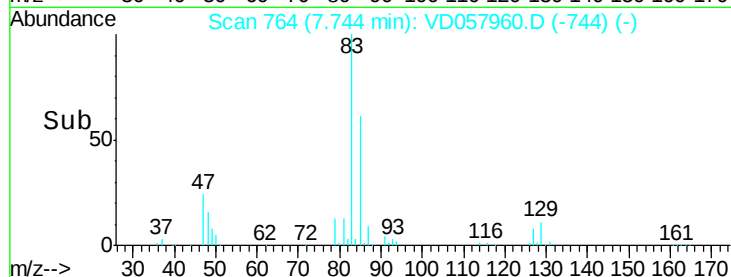
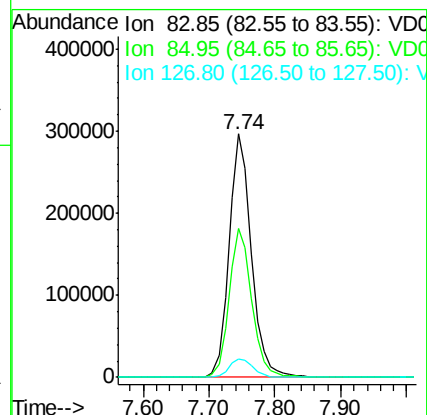
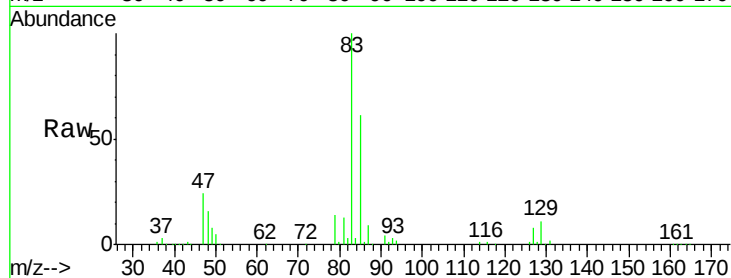
Tgt Ion: 83 Resp: 702667

Ion Ratio Lower Upper

83 100

85 61.4 49.1 73.7

127 7.7 6.2 9.2



#48

Methyl methacrylate

Concen: 50.50 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

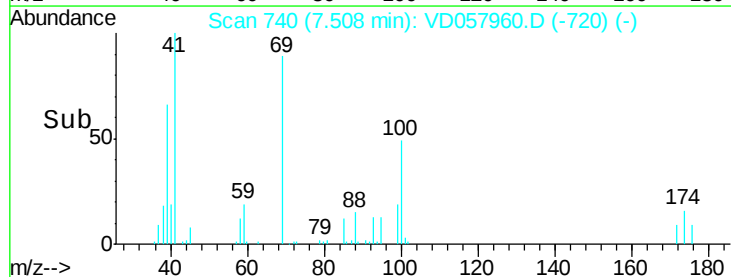
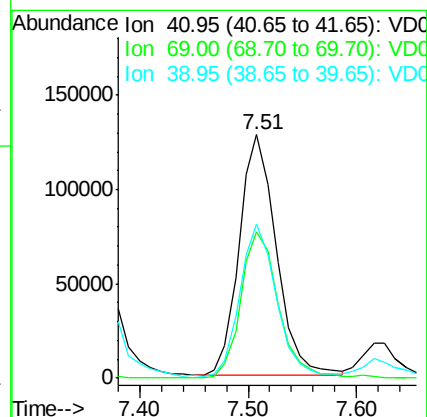
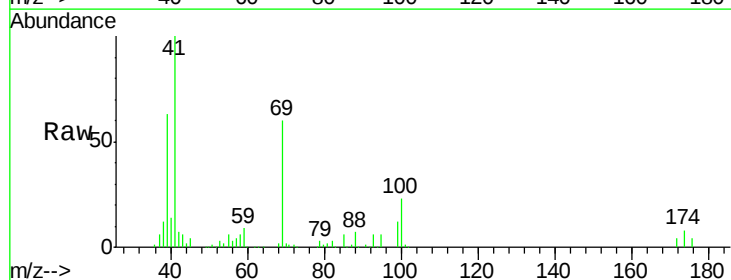
Tgt Ion: 41 Resp: 304560

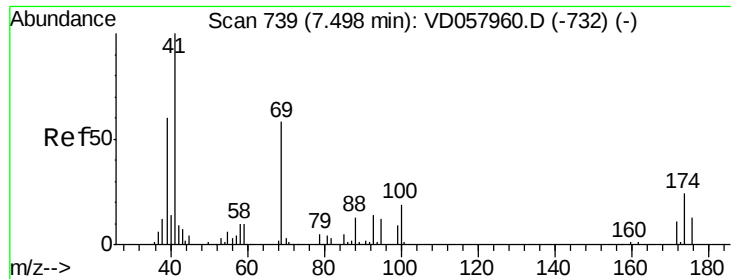
Ion Ratio Lower Upper

41 100

69 60.0 48.0 72.0

39 63.4 50.7 76.1





#49

1,4-Dioxane

Concen: 1013.59 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

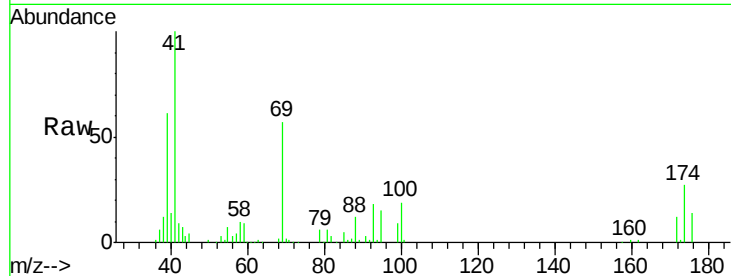
Tgt Ion: 88 Resp: 50644

Ion Ratio Lower Upper

88 100

43 58.2 46.6 69.8

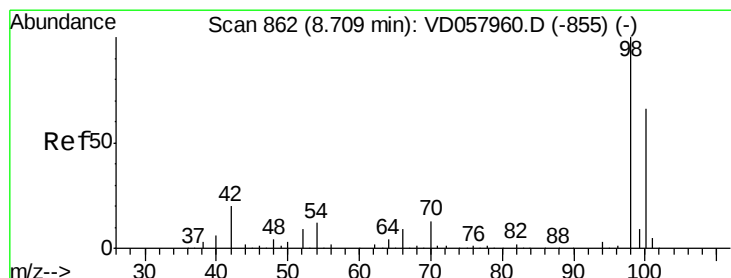
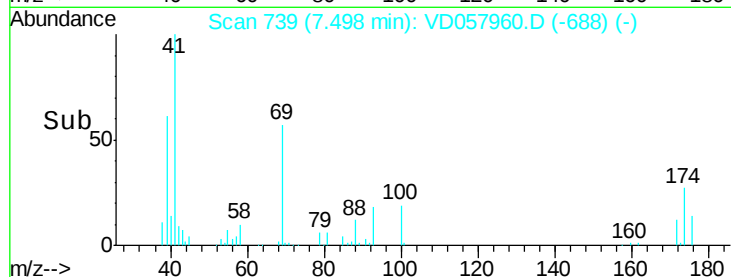
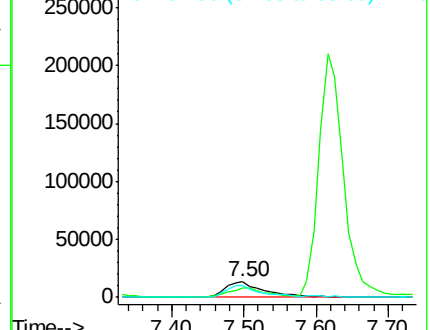
58 79.5 63.6 95.4



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: 1013.59 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD057960.D

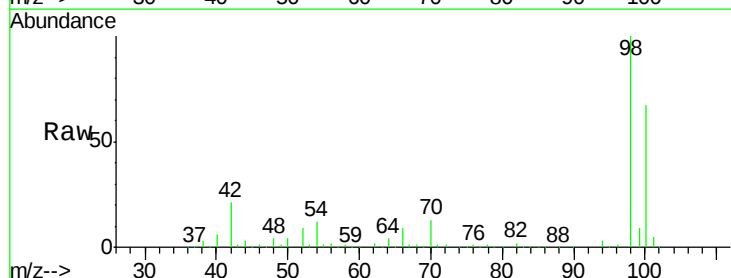
Acq: 6 Jun 2018 19:18

Tgt Ion: 98 Resp: 1083651

Ion Ratio Lower Upper

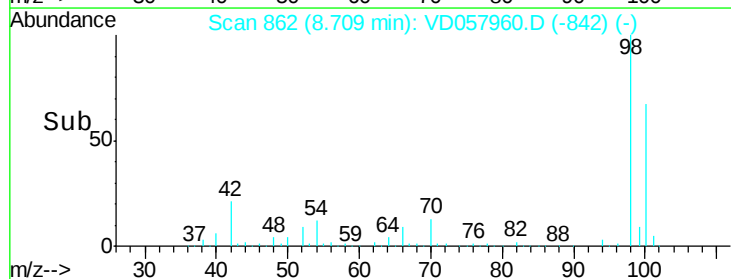
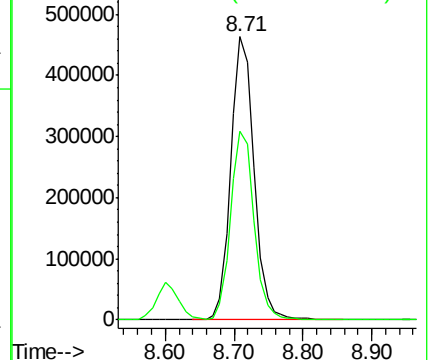
98 100

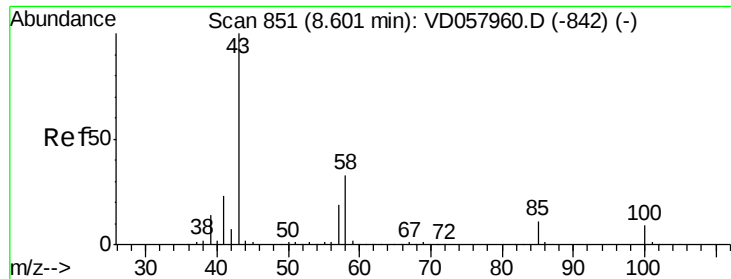
100 66.7 53.4 80.0



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: 255.38 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

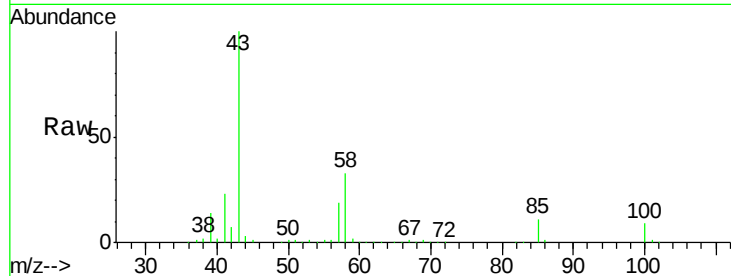
VSTDICCC050

Tgt Ion: 43 Resp: 1605166

Ion Ratio Lower Upper

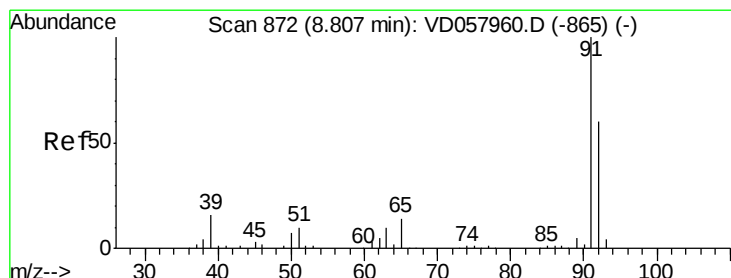
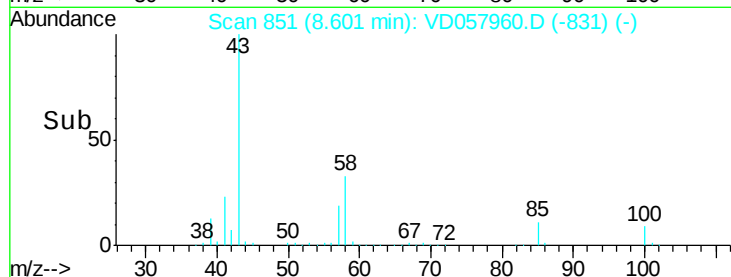
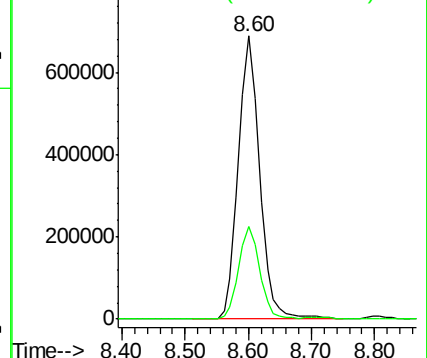
43 100

58 32.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.14 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD057960.D

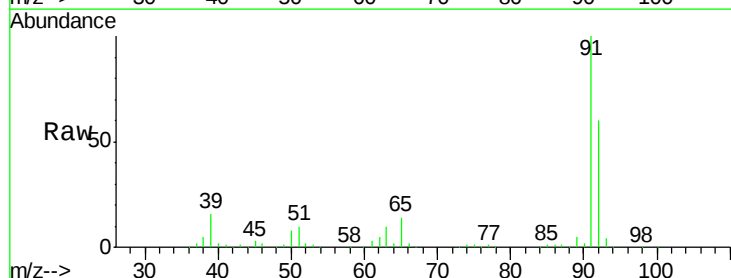
Acq: 6 Jun 2018 19:18

Tgt Ion: 92 Resp: 903312

Ion Ratio Lower Upper

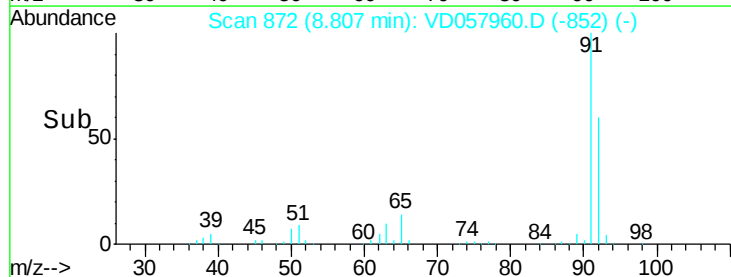
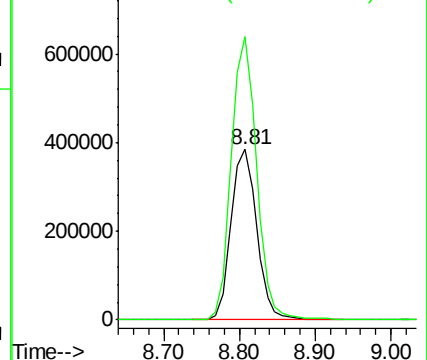
92 100

91 166.3 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

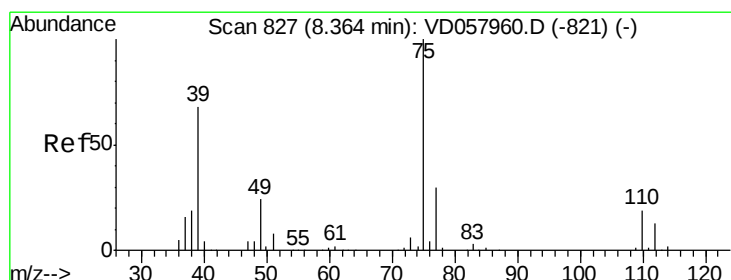
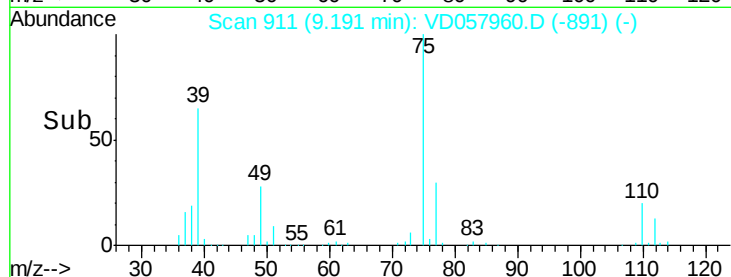
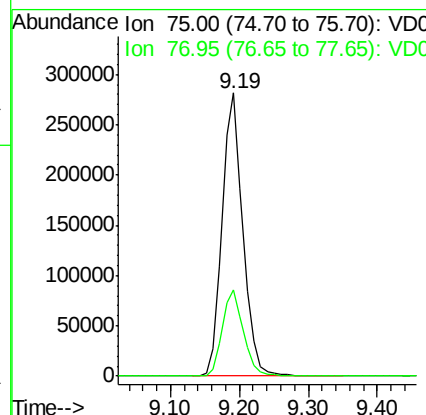
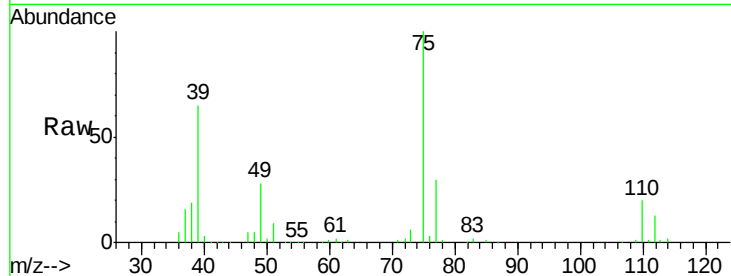




#53
t-1,3-Dichloropropene
Concen: 50.84 ug/l
RT: 9.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

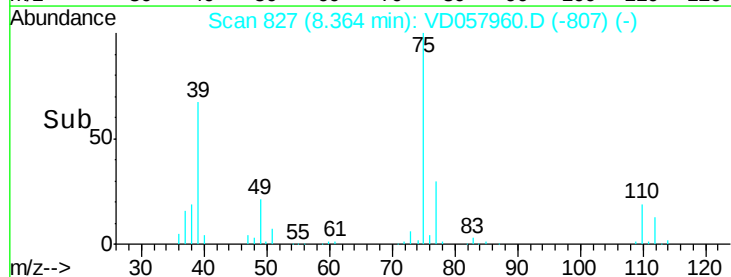
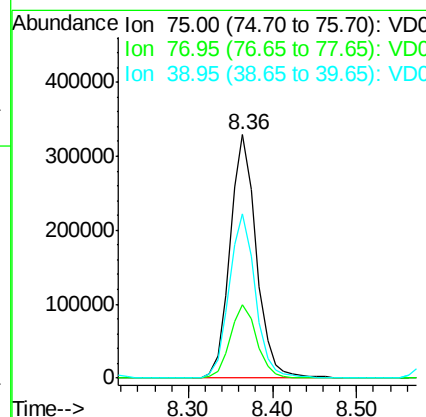
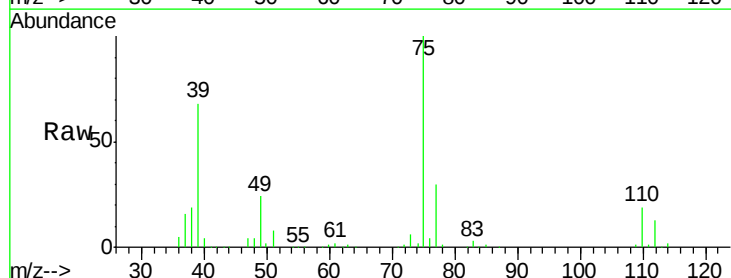
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

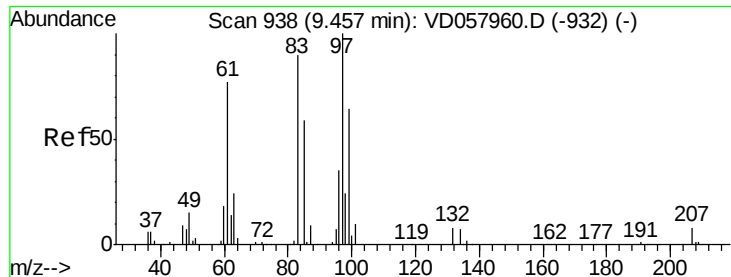
Tgt Ion: 75 Resp: 586510
Ion Ratio Lower Upper
75 100
77 30.4 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 52.47 ug/l
RT: 8.36 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 75 Resp: 713046
Ion Ratio Lower Upper
75 100
77 30.1 24.1 36.1
39 67.5 54.0 81.0

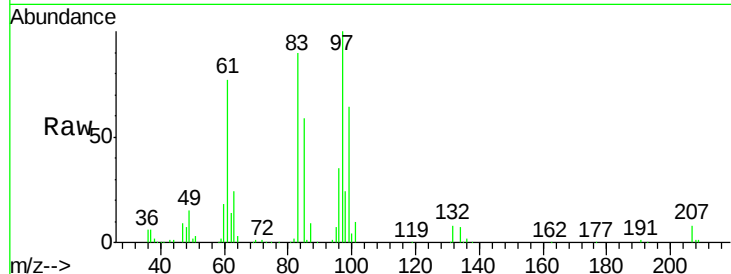




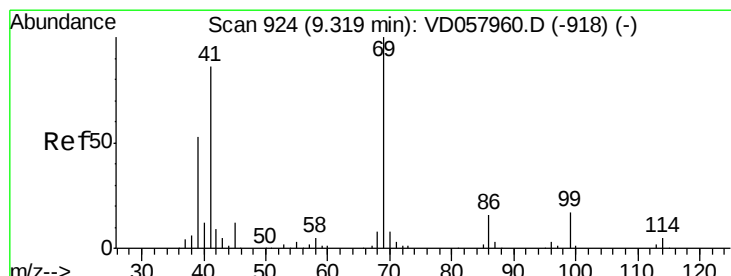
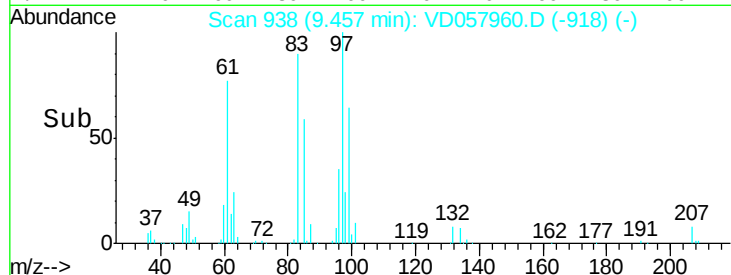
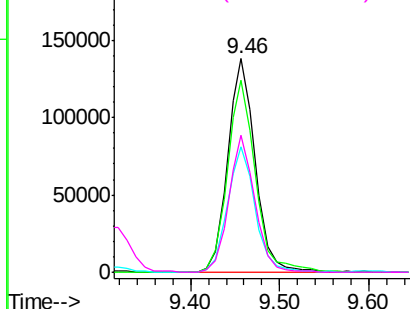
#55
 1,1,2-Trichloroethane
 Concen: 50.05 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 297740
 Ion Ratio Lower Upper
 97 100
 83 89.8 71.8 107.8
 85 59.0 47.2 70.8
 99 64.2 51.4 77.0

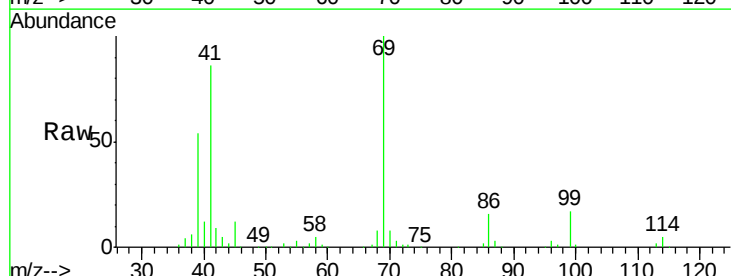


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

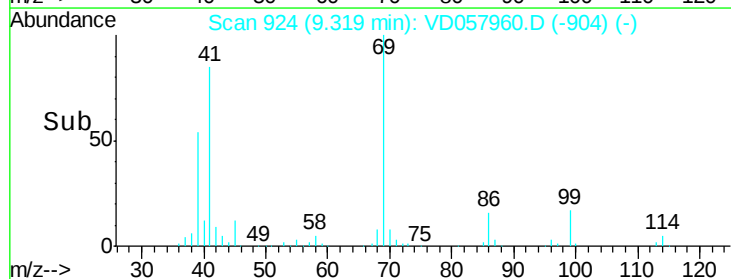
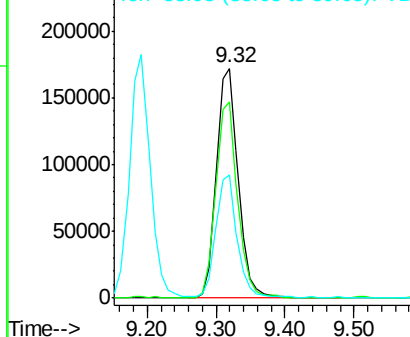


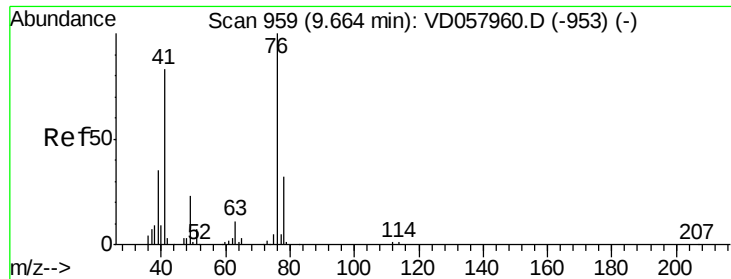
#56
 Ethyl methacrylate
 Concen: 51.72 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 69 Resp: 377413
 Ion Ratio Lower Upper
 69 100
 41 85.5 68.4 102.6
 39 53.7 43.0 64.4



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

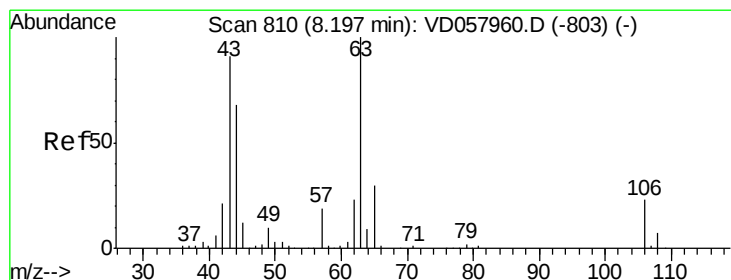
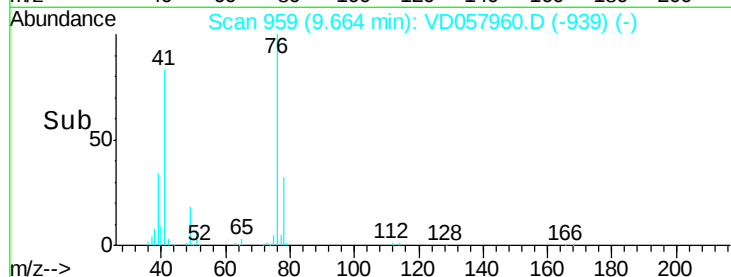
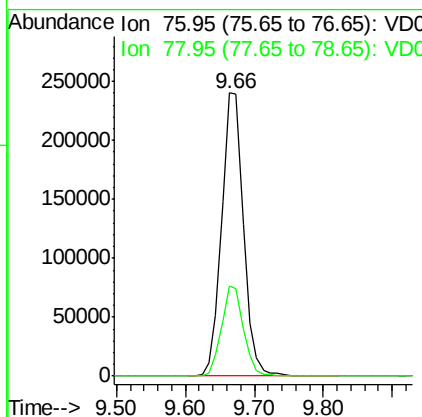
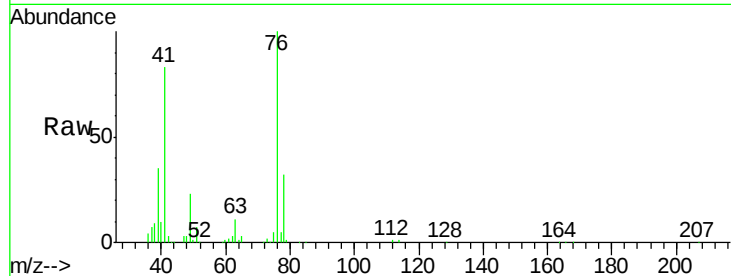




#57
 1,3-Dichloropropane
 Concen: 50.72 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

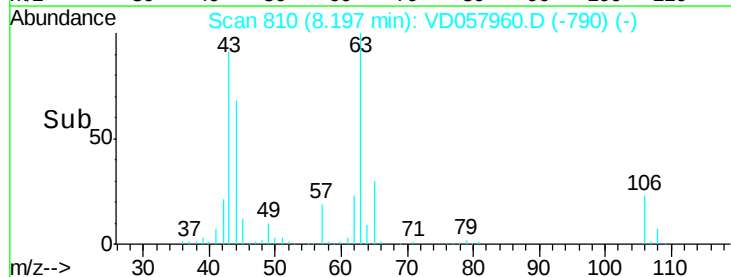
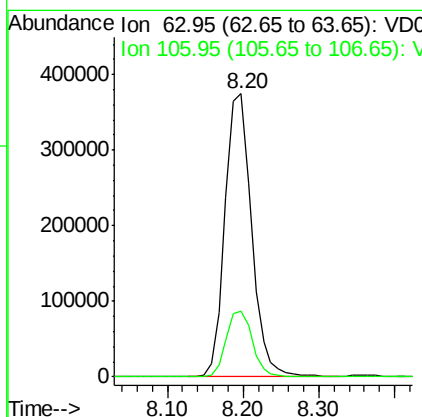
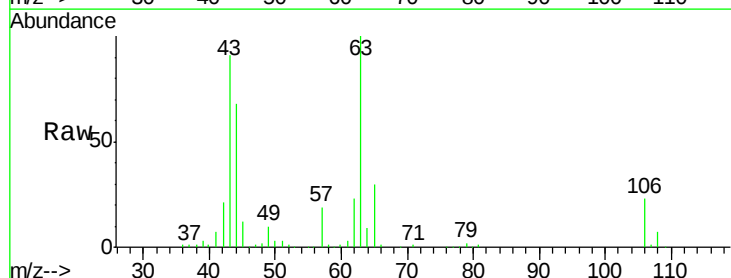
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

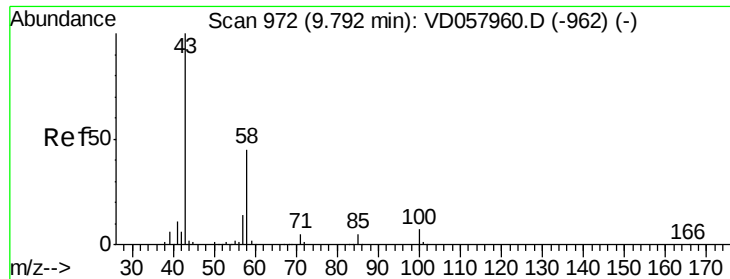
Tgt Ion: 76 Resp: 529180
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.34 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 63 Resp: 911933
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.7 28.1

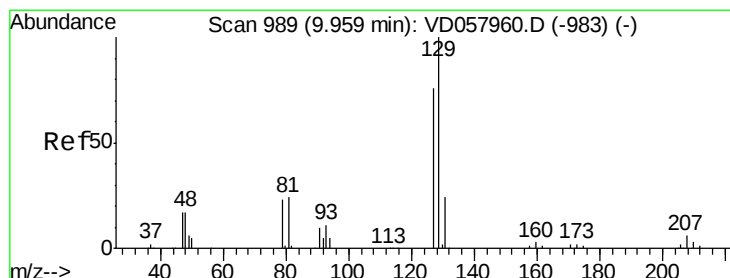
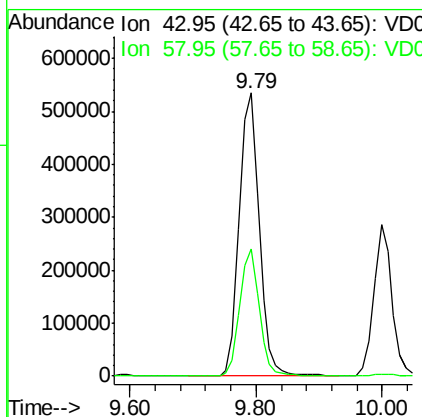
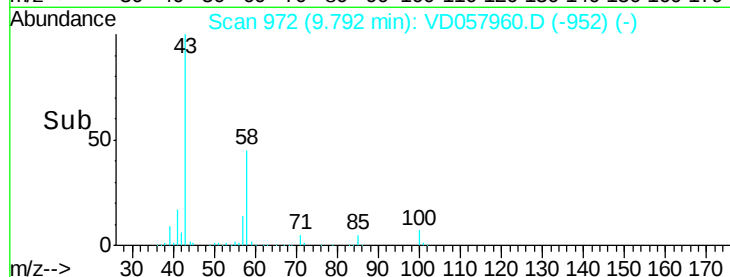
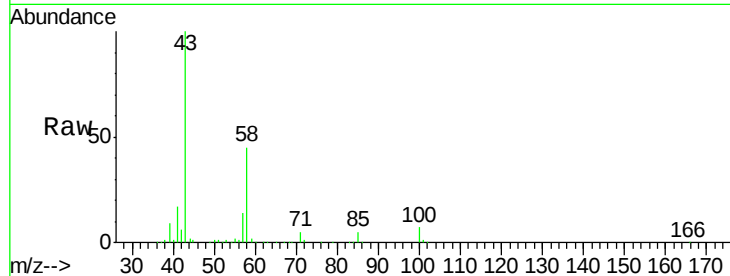




#59
2-Hexanone
Concen: 254.45 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

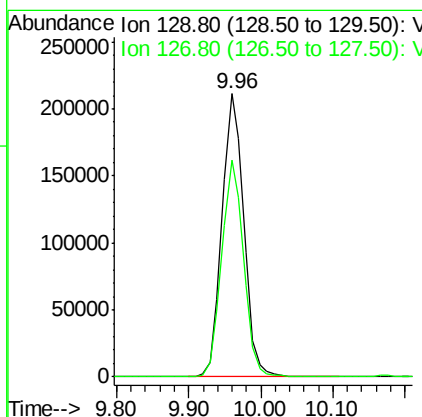
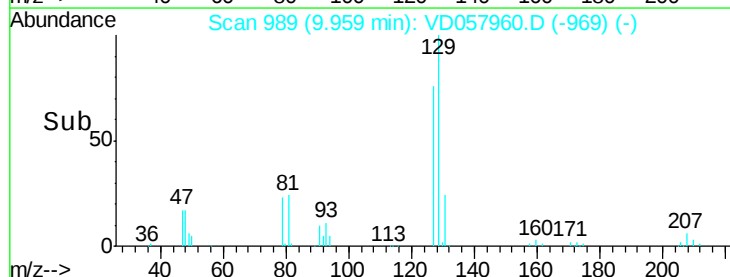
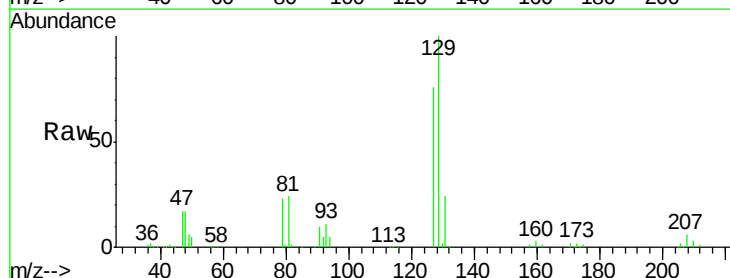
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

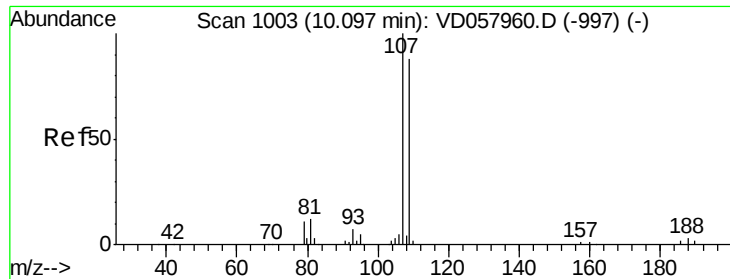
Tgt Ion: 43 Resp: 1172020
Ion Ratio Lower Upper
43 100
58 45.0 22.5 67.5



#60
Dibromochloromethane
Concen: 52.59 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion: 129 Resp: 441219
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.62 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

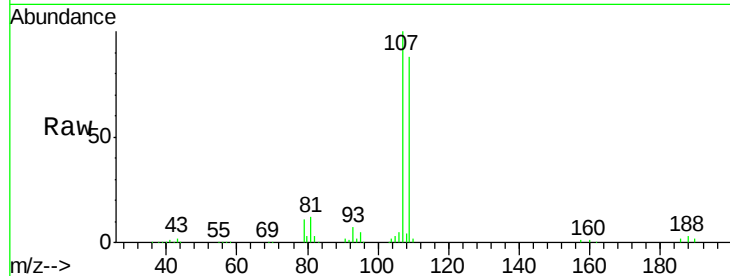
VSTDICCC050

Tgt Ion: 107 Resp: 346343

Ion Ratio Lower Upper

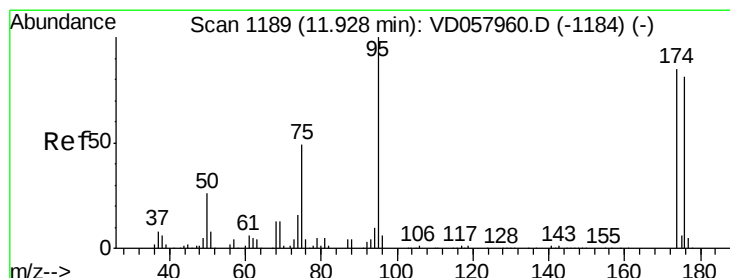
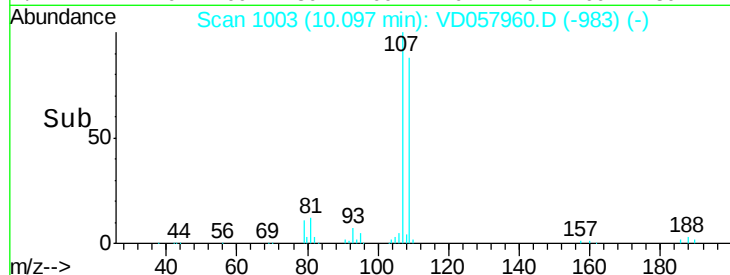
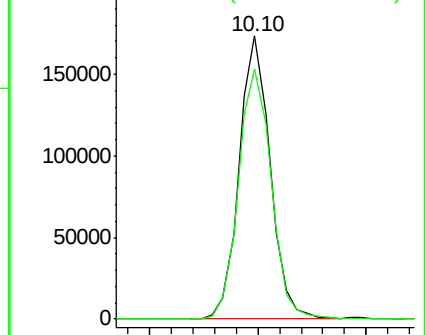
107 100

109 88.3 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.62 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

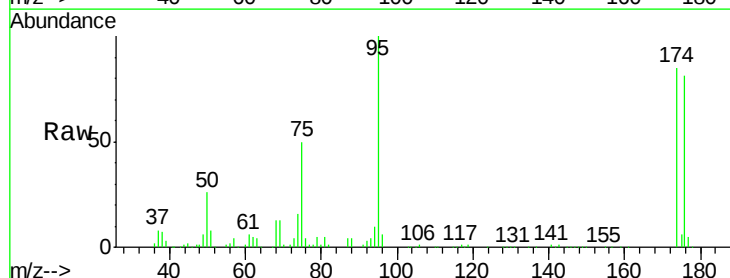
Tgt Ion: 95 Resp: 477571

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.4

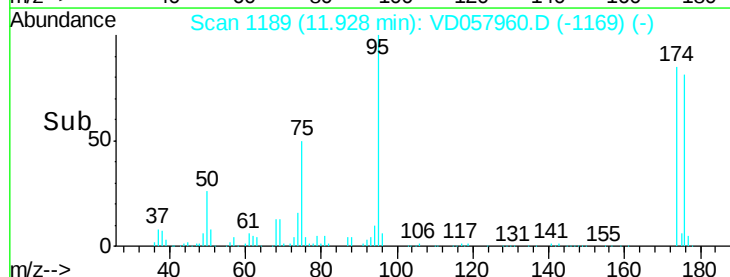
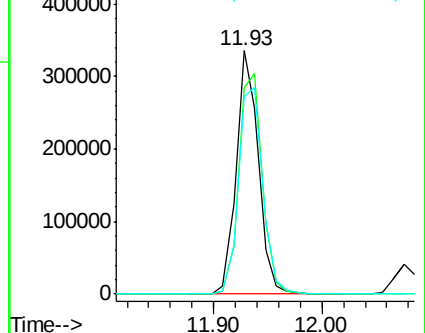
176 81.3 0.0 162.6

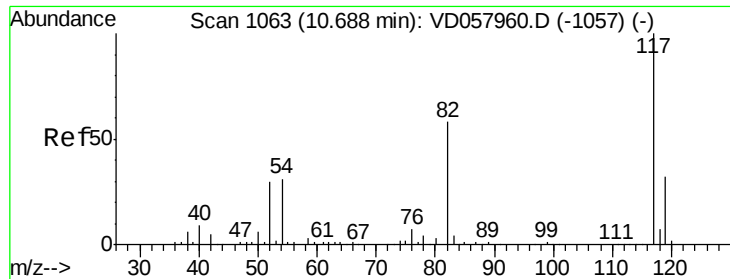


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

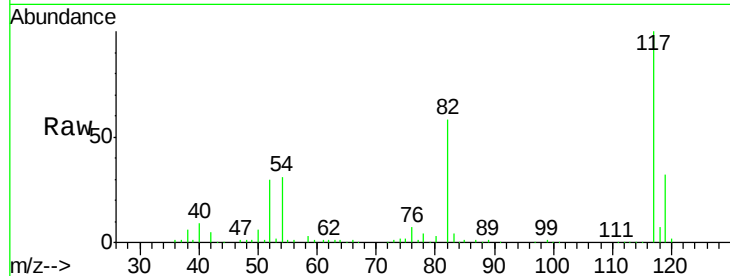




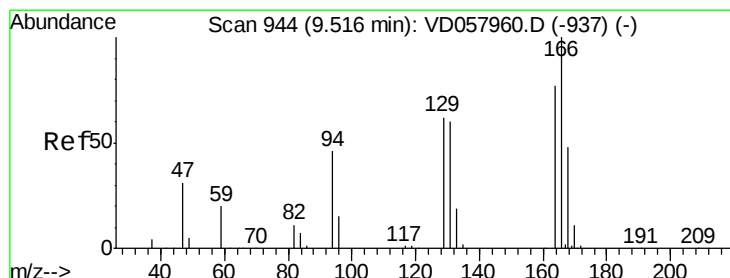
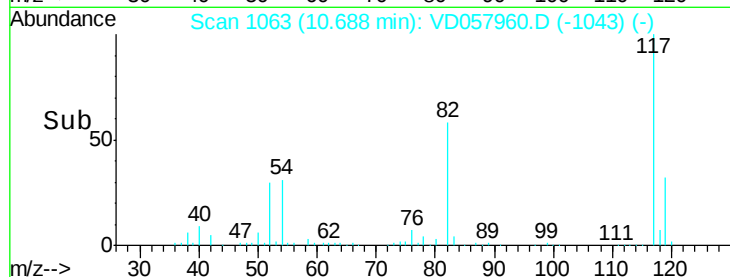
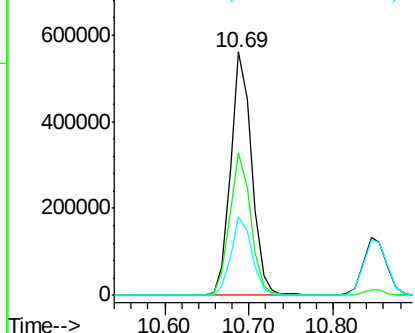
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 974340
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 32.2 25.8 38.6

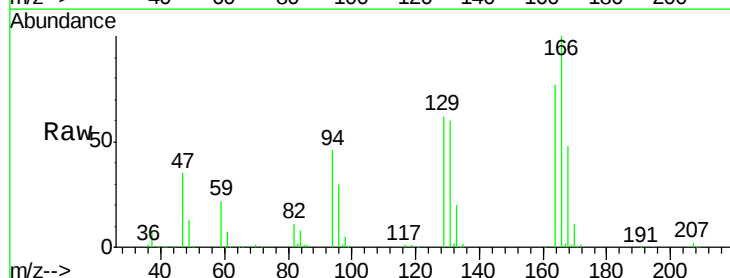


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

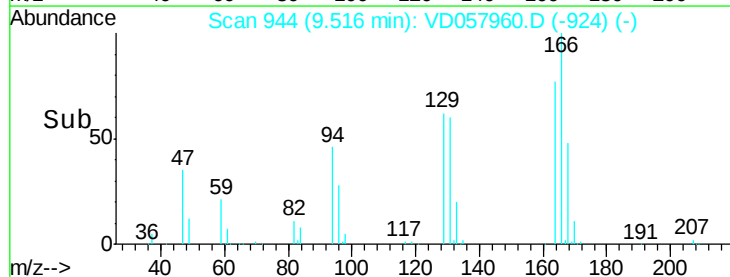
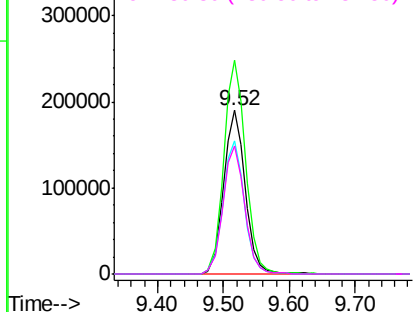


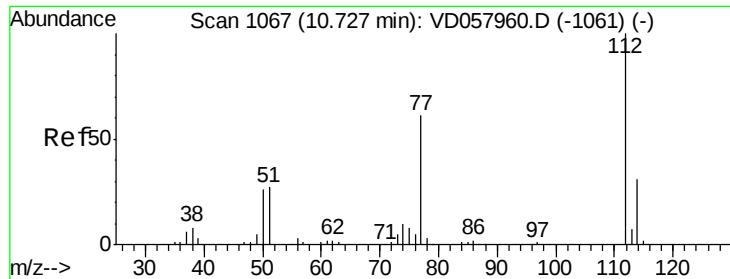
#64
Tetrachloroethene
Concen: 49.86 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion:164 Resp: 434294
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 81.3 65.0 97.6
131 78.6 62.9 94.3



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

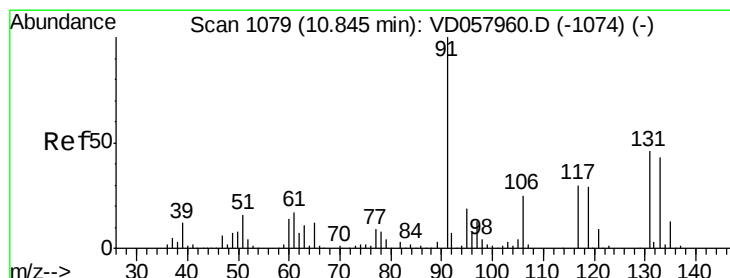
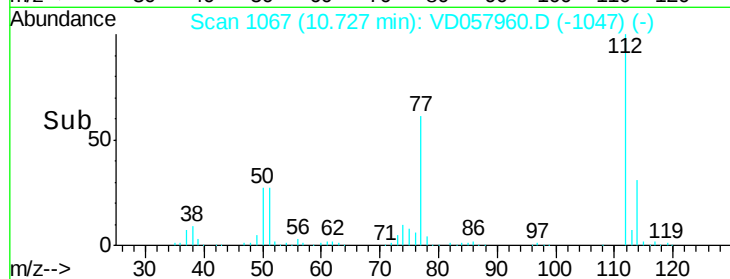
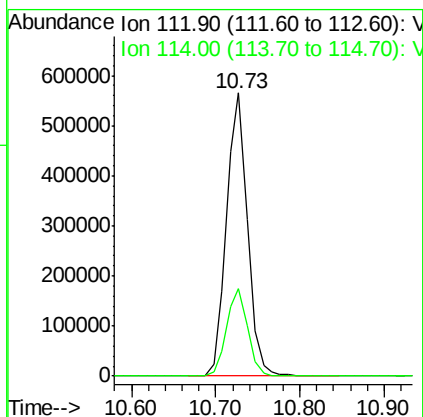
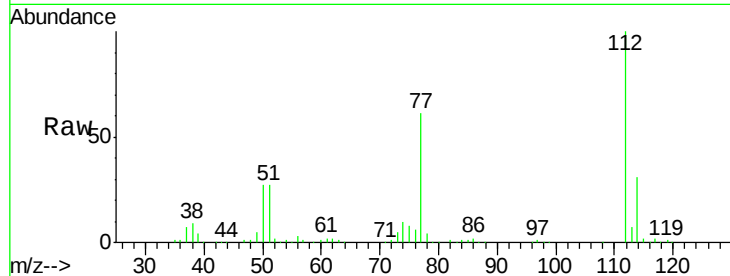




#65
Chlorobenzene
Concen: 49.71 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

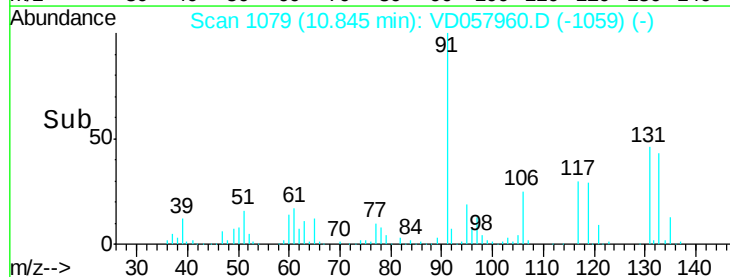
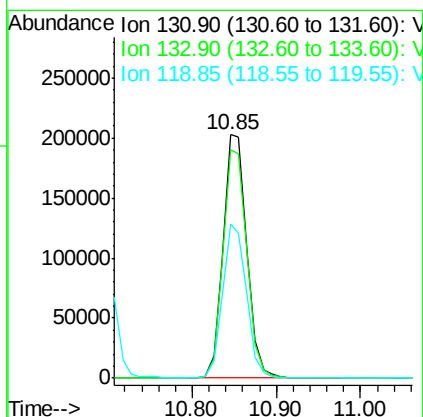
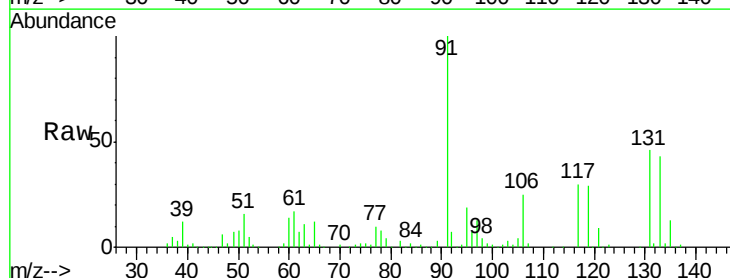
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

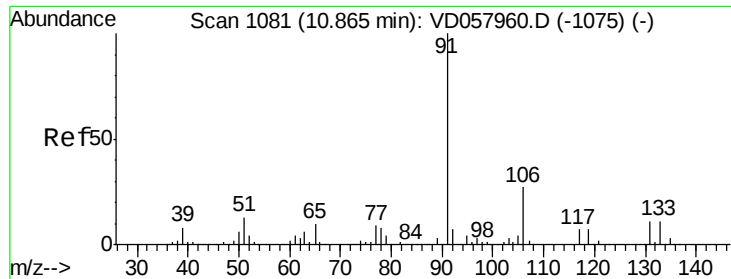
Tgt Ion:112 Resp: 980466
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.84 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion:131 Resp: 392823
Ion Ratio Lower Upper
131 100
133 93.7 46.9 140.6
119 63.5 31.8 95.3





#67

Ethyl Benzene

Concen: 49.64 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

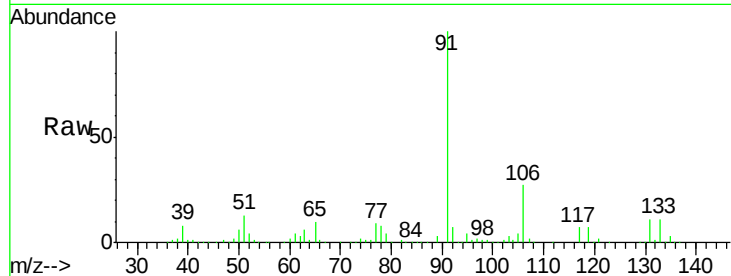
VSTDICCC050

Tgt Ion: 91 Resp: 1768856

Ion Ratio Lower Upper

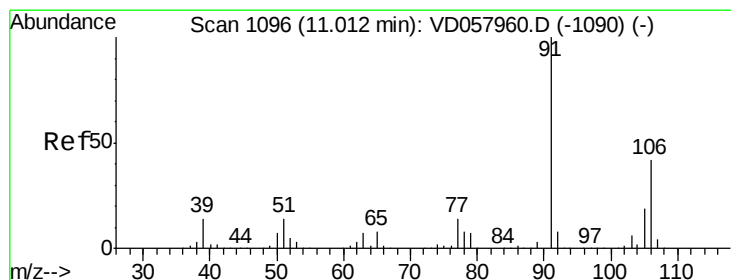
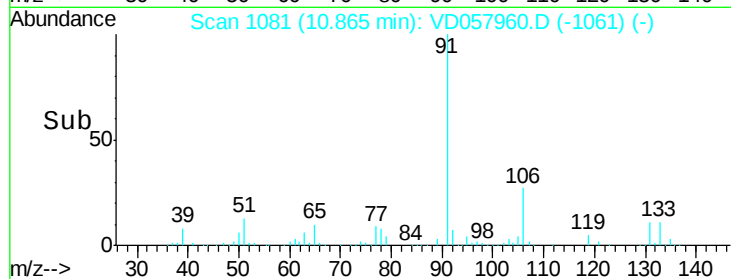
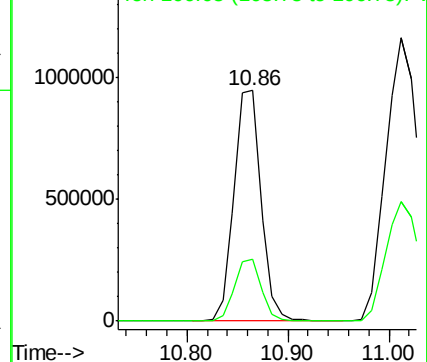
91 100

106 26.9 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 95.69 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD057960.D

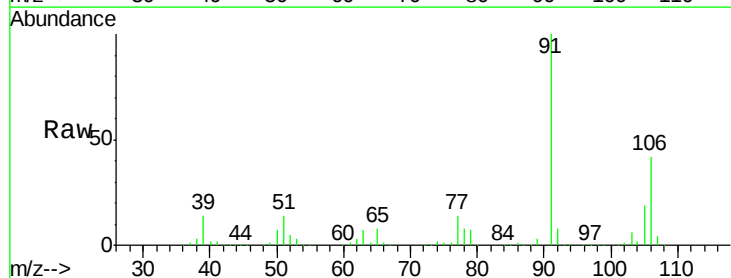
Acq: 6 Jun 2018 19:18

Tgt Ion: 106 Resp: 1111634

Ion Ratio Lower Upper

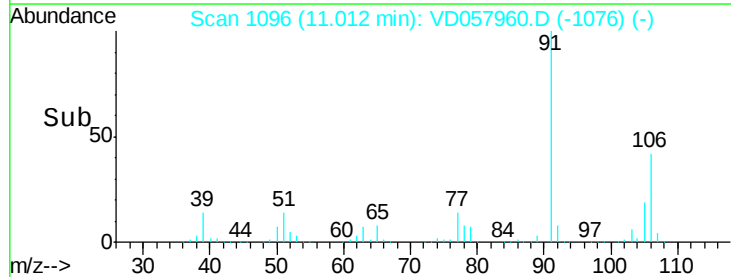
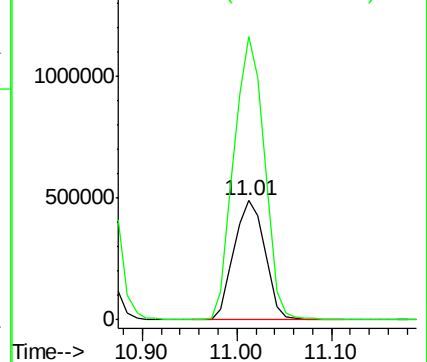
106 100

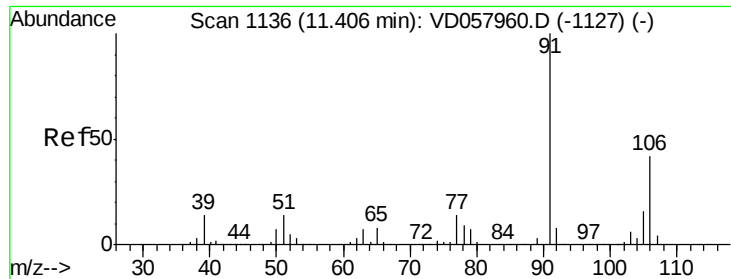
91 238.0 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

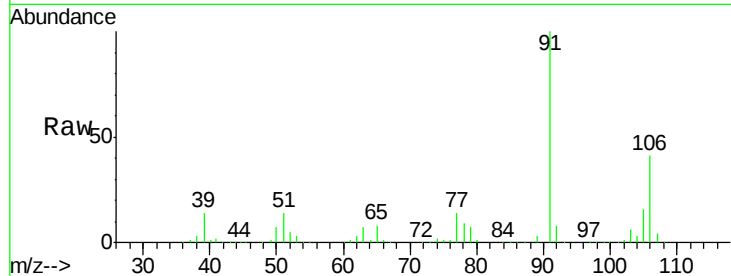




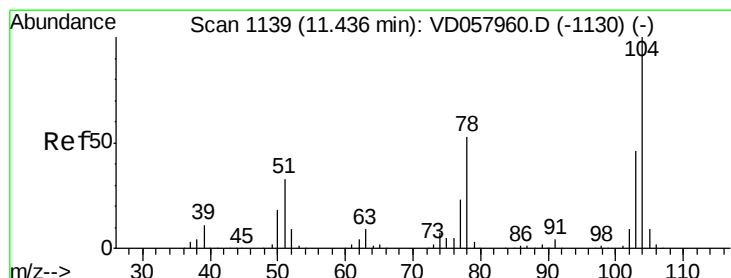
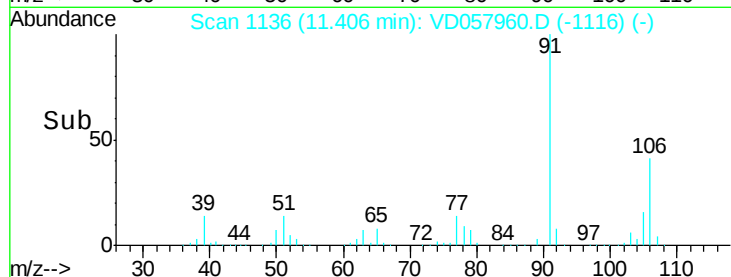
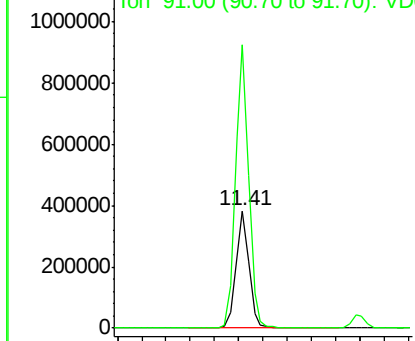
#69
o-Xylene
Concen: 49.71 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 573265
Ion Ratio Lower Upper
106 100
91 241.1 120.6 361.7

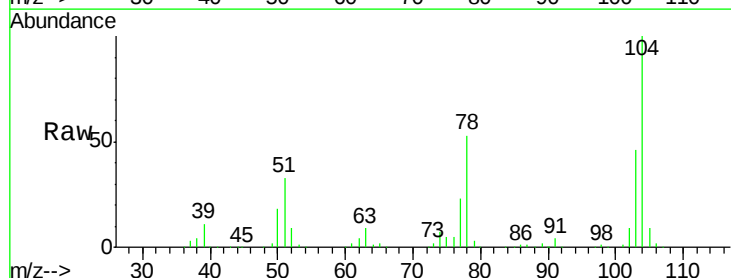


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

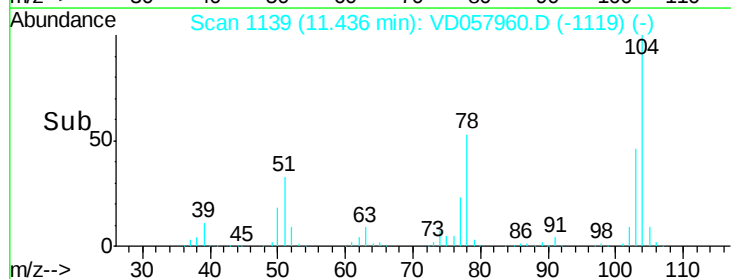
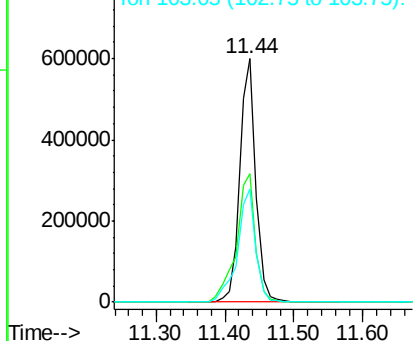


#70
Styrene
Concen: 50.20 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion:104 Resp: 958350
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 46.3 37.0 55.6



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

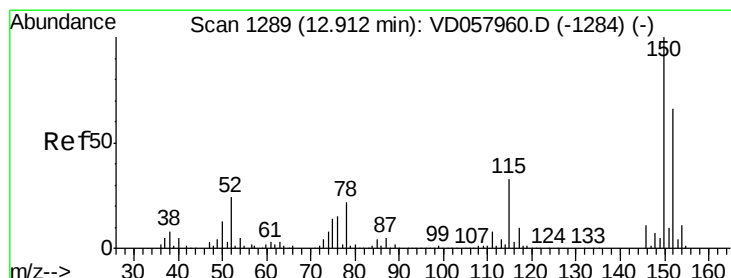
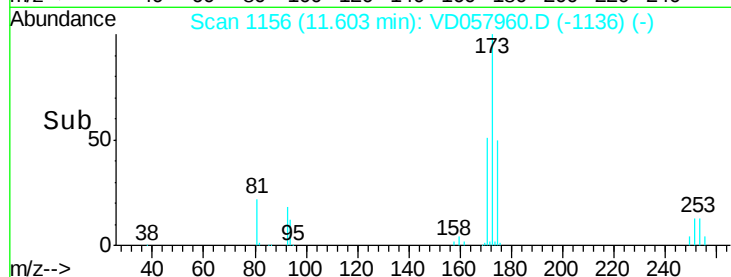
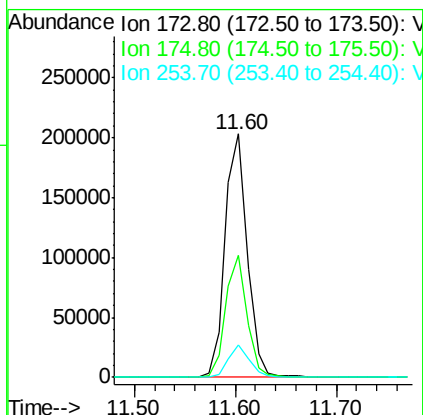
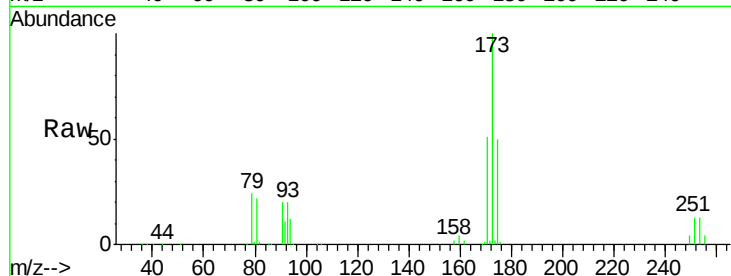




#71
Bromoform
Concen: 54.34 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

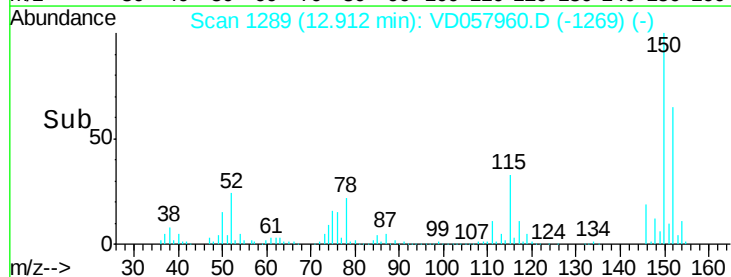
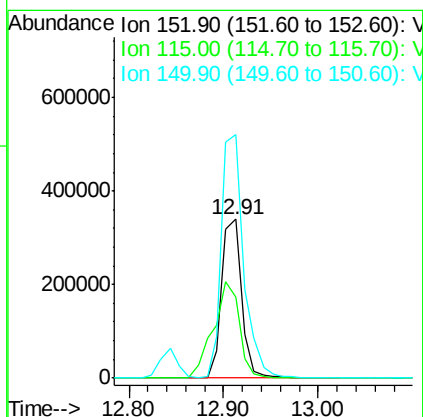
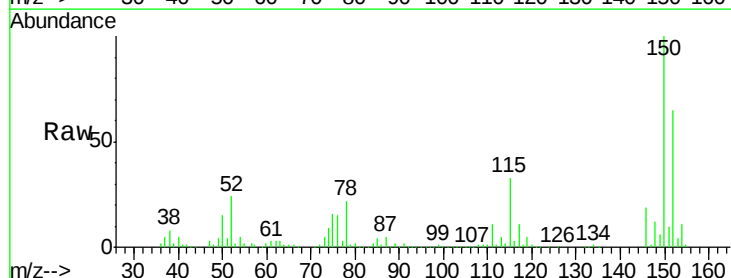
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

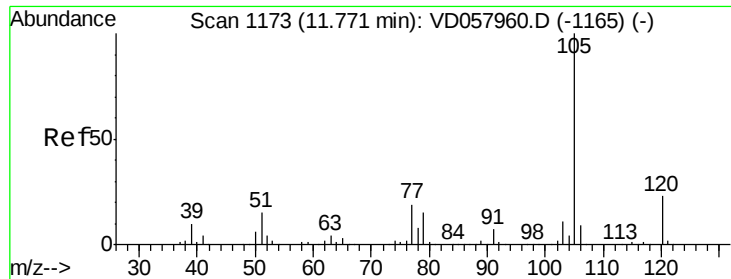
Tgt Ion:173 Resp: 309782
Ion Ratio Lower Upper
173 100
175 50.1 25.1 75.2
254 13.4 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion:152 Resp: 499686
Ion Ratio Lower Upper
152 100
115 51.1 25.6 76.6
150 153.4 0.0 306.8





#73

Isopropylbenzene

Concen: 49.89 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

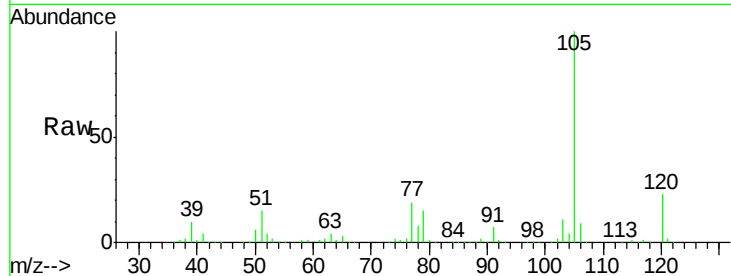
VSTDICCC050

Tgt Ion:105 Resp: 1651332

Ion Ratio Lower Upper

105 100

120 22.6 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

1200000

1000000

800000

600000

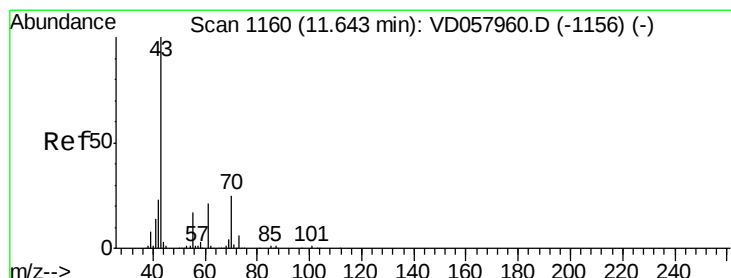
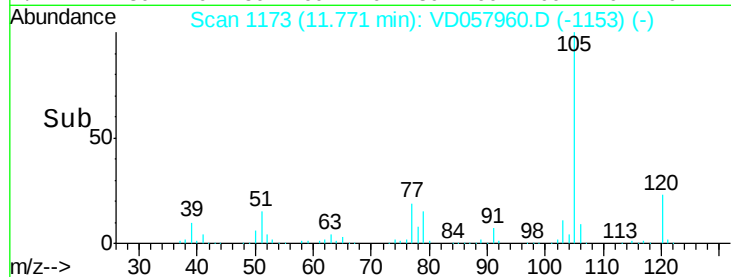
400000

200000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 52.02 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Tgt Ion: 43 Resp: 664397

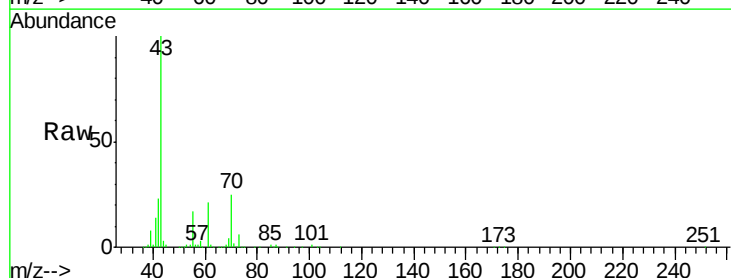
Ion Ratio Lower Upper

43 100

70 25.4 20.3 30.5

55 17.4 13.9 20.9

61 20.7 16.6 24.8



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

600000

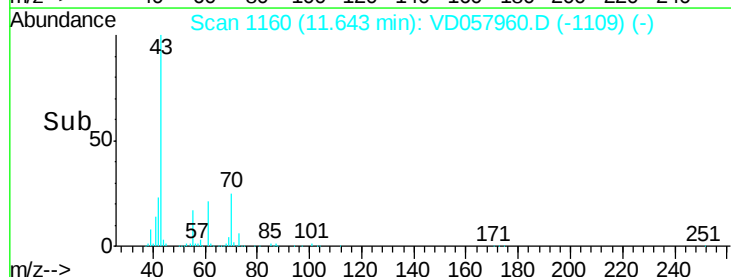
400000

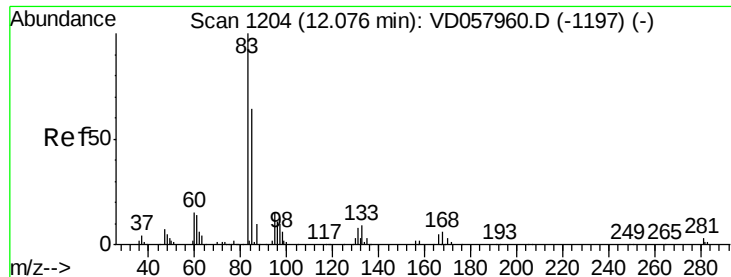
200000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 50.13 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

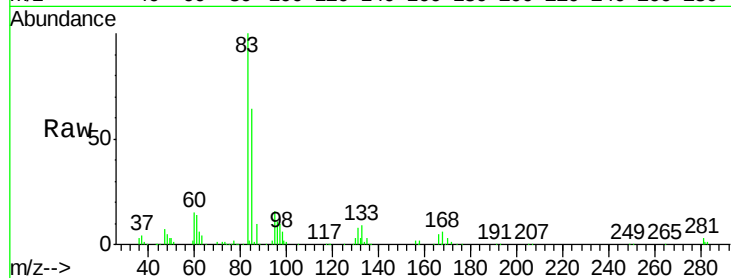
Tgt Ion: 83 Resp: 361770

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

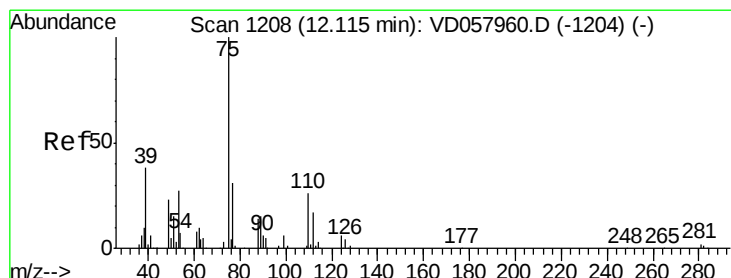
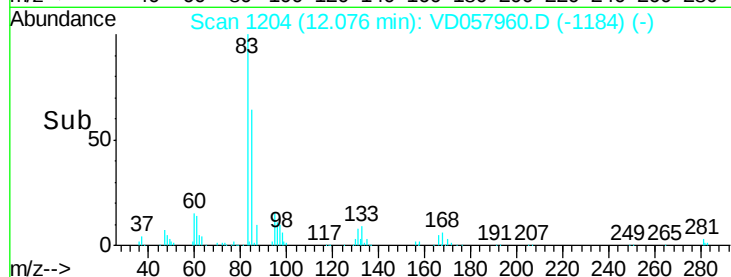
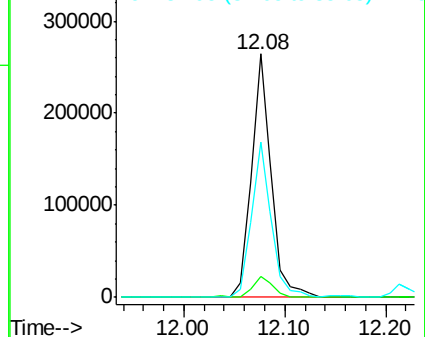
85 63.7 31.9 95.5



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: 50.76 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD057960.D

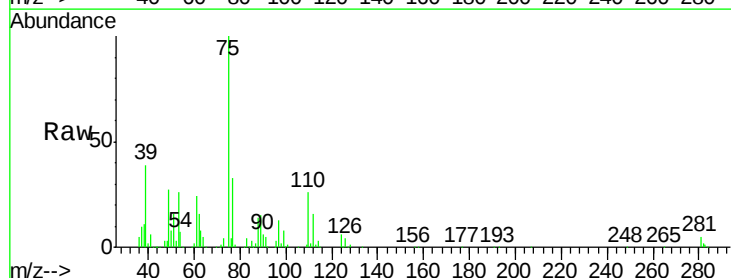
Acq: 6 Jun 2018 19:18

Tgt Ion: 75 Resp: 380984

Ion Ratio Lower Upper

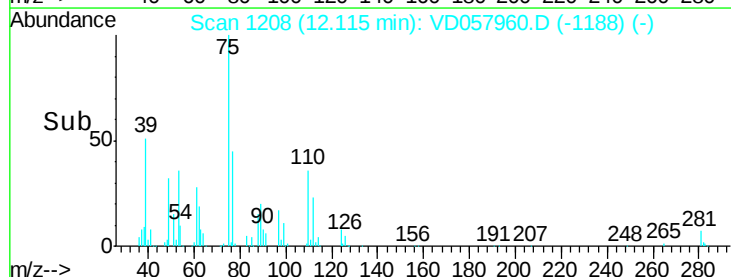
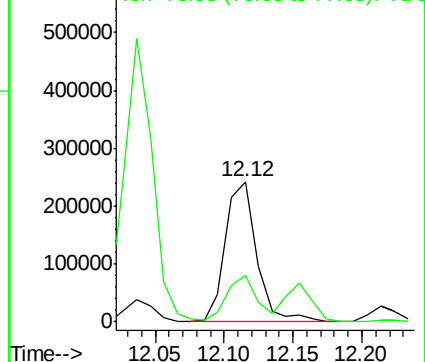
75 100

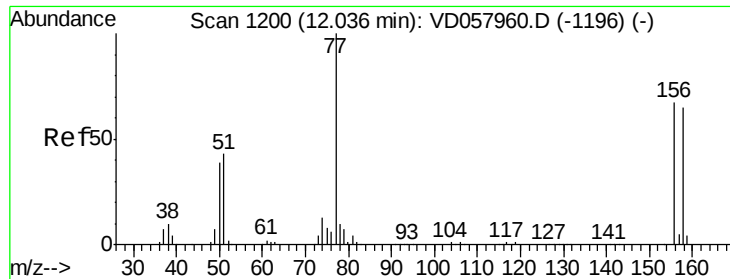
77 33.4 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.77 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

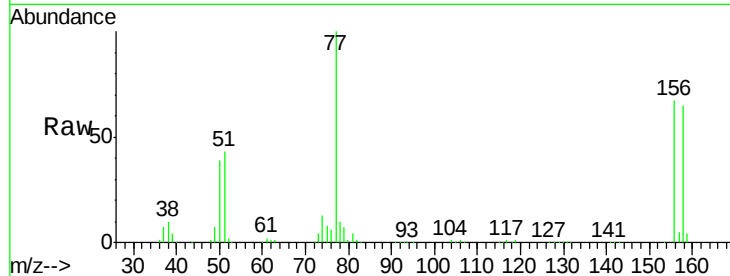
Tgt Ion:156 Resp: 497364

Ion Ratio Lower Upper

156 100

77 149.9 75.0 224.8

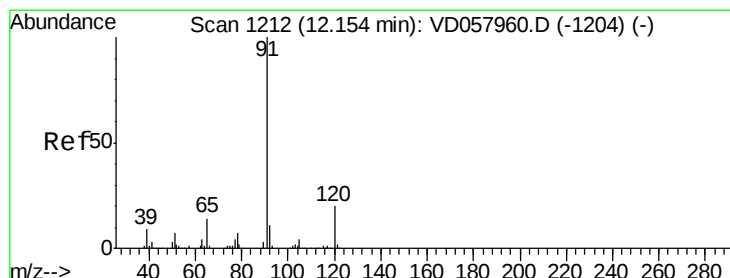
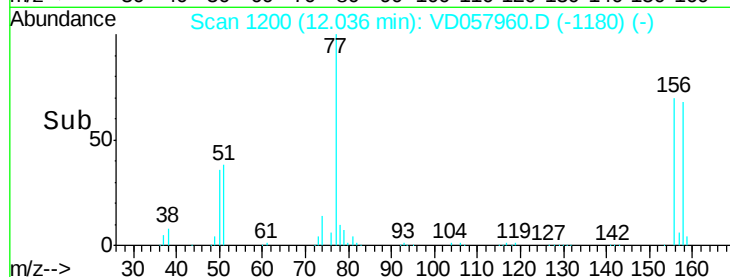
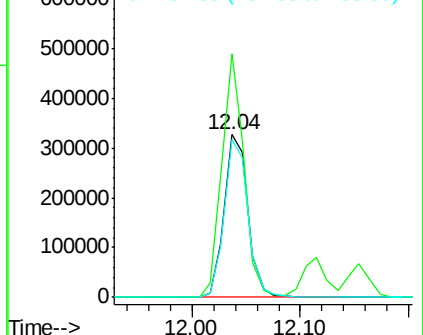
158 97.3 48.6 145.9



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: 48.47 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD057960.D

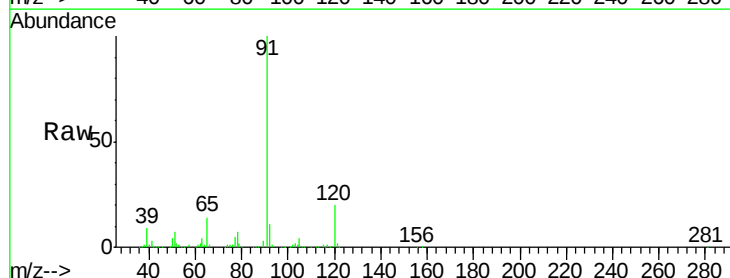
Acq: 6 Jun 2018 19:18

Tgt Ion: 91 Resp: 2087435

Ion Ratio Lower Upper

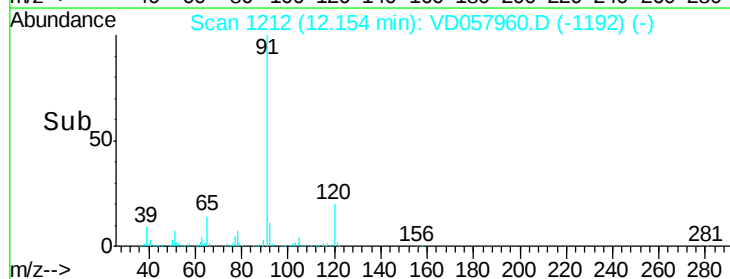
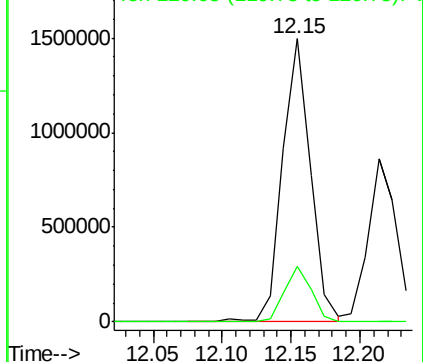
91 100

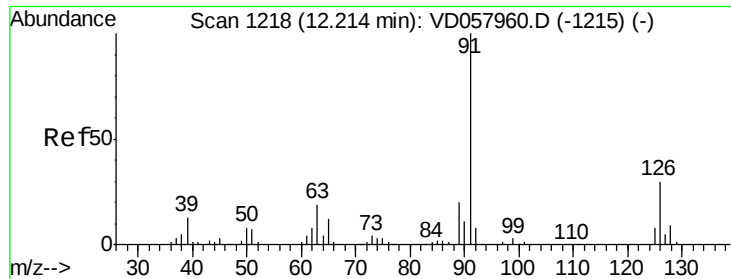
120 19.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

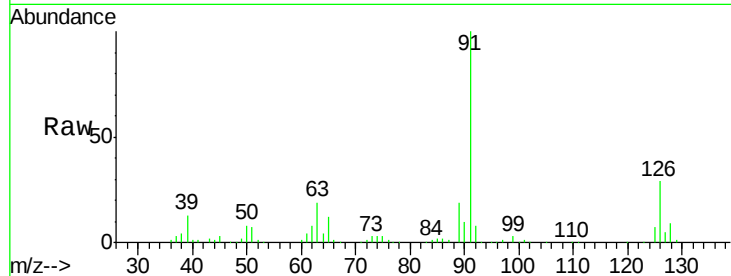




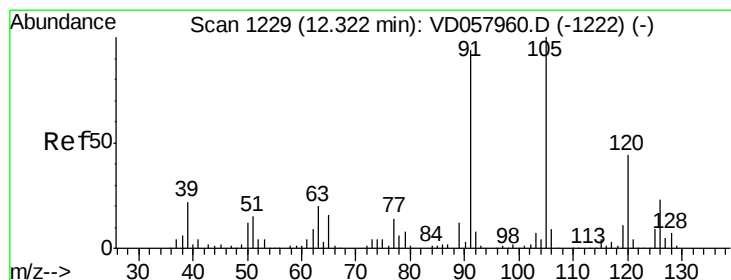
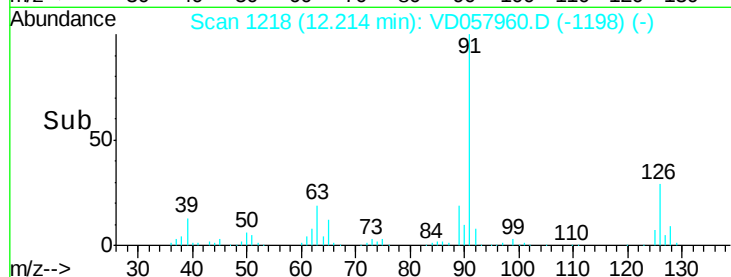
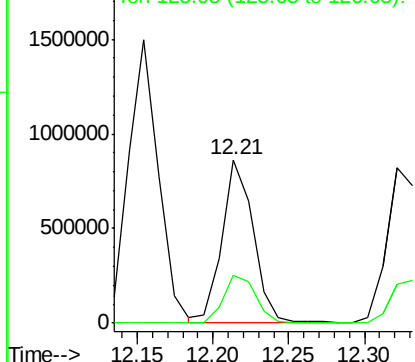
#79
 2-Chlorotoluene
 Concen: 49.96 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 91 Resp: 1227475
 Ion Ratio Lower Upper
 91 100
 126 29.3 14.6 44.0

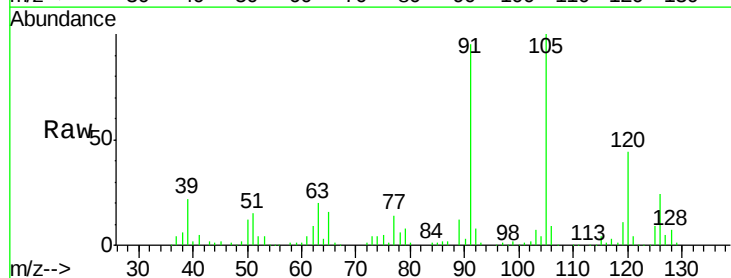


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

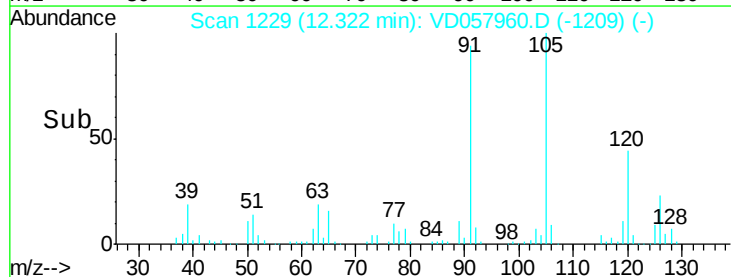
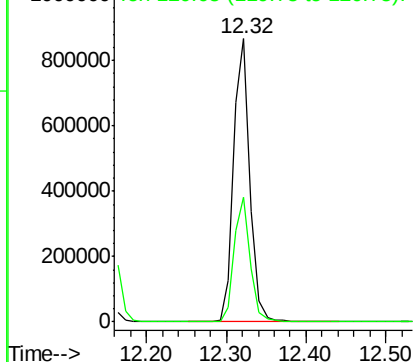


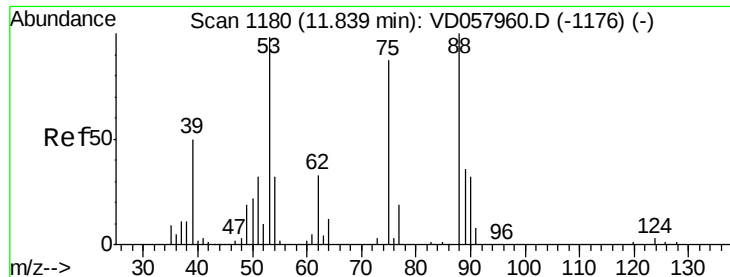
#80
 1,3,5-Trimethylbenzene
 Concen: 39.05 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 105 Resp: 1238605
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 57.41 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

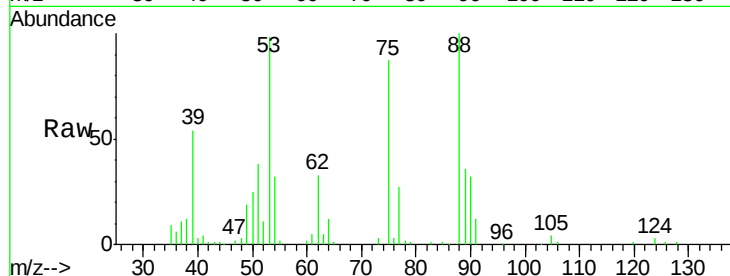
Tgt Ion: 75 Resp: 106735

Ion Ratio Lower Upper

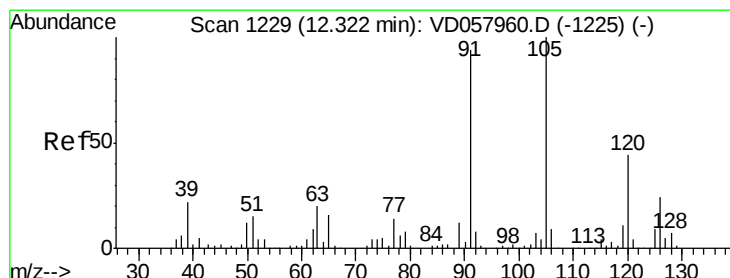
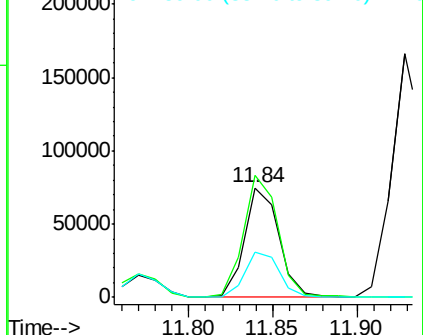
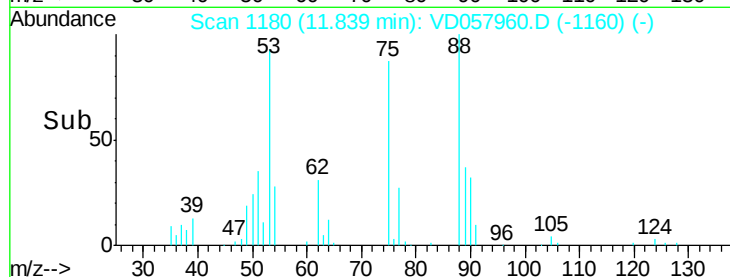
75 100

53 111.6 89.3 133.9

89 41.6 33.3 49.9



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: 46.92 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057960.D

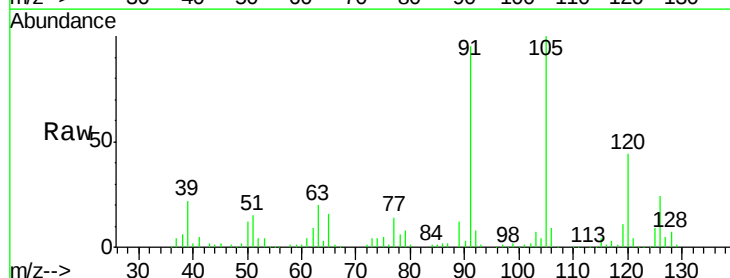
Acq: 6 Jun 2018 19:18

Tgt Ion: 91 Resp: 1259316

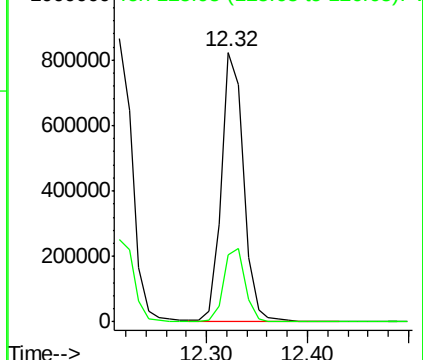
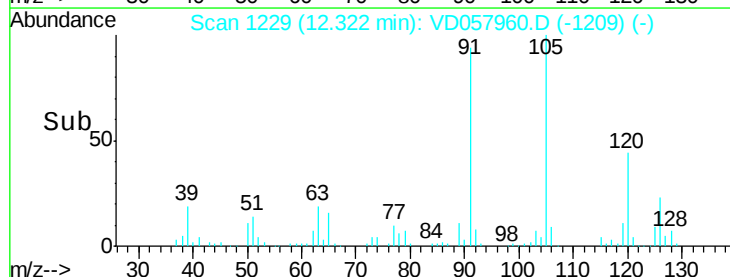
Ion Ratio Lower Upper

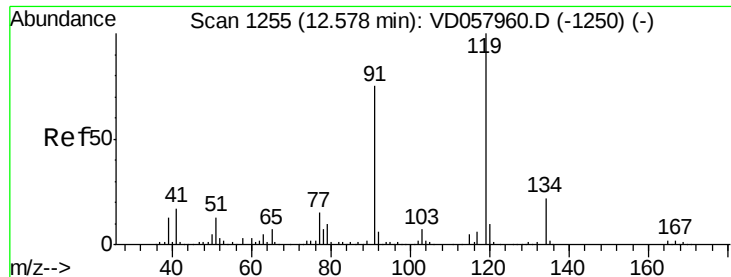
91 100

126 25.0 12.5 37.5



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

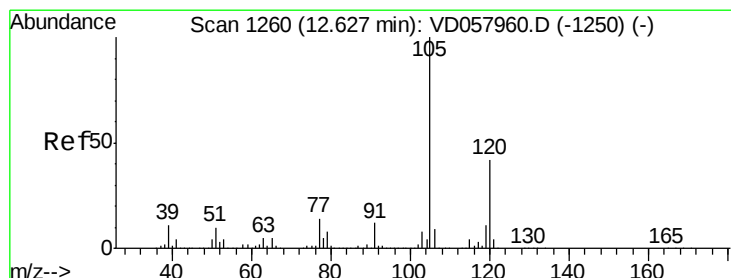
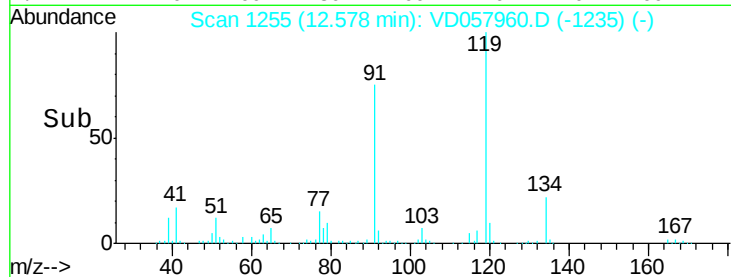
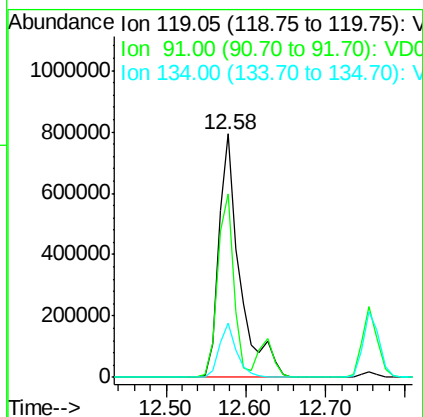
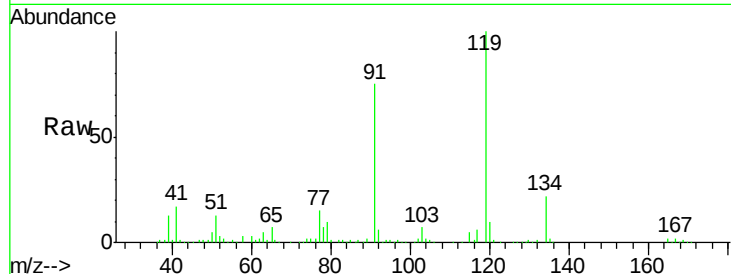




#83
 tert-Butylbenzene
 Concen: 50.35 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

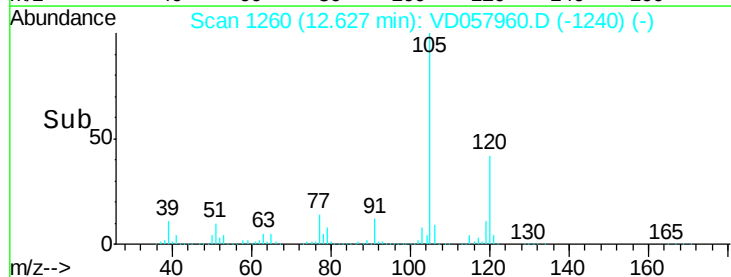
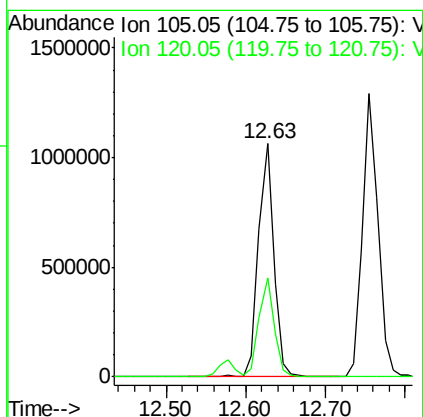
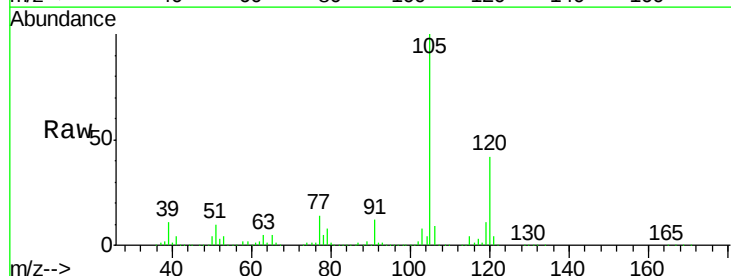
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

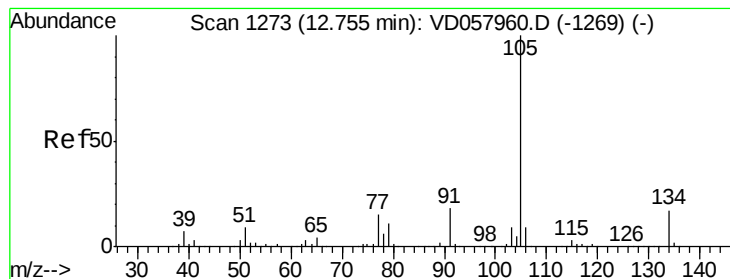
Tgt Ion:119 Resp: 1467352
 Ion Ratio Lower Upper
 119 100
 91 75.3 37.6 112.9
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.44 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion:105 Resp: 1399908
 Ion Ratio Lower Upper
 105 100
 120 42.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 49.60 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

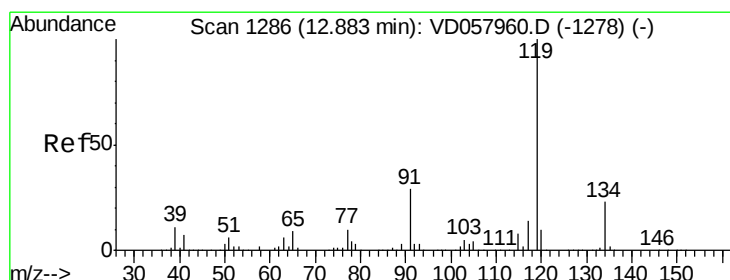
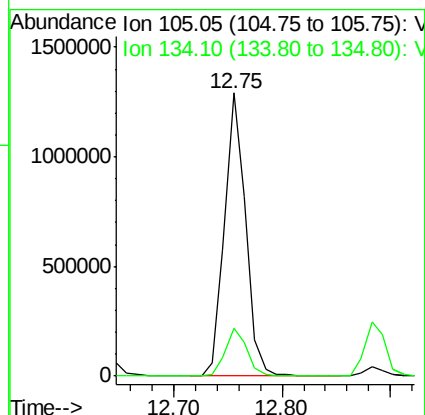
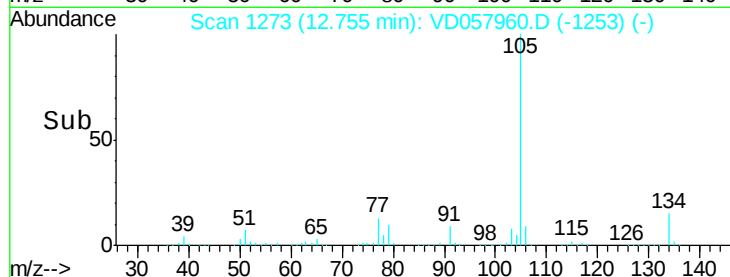
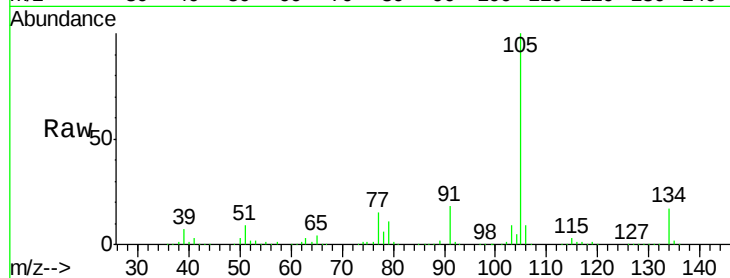
VSTDICCC050

Tgt Ion:105 Resp: 1744601

Ion Ratio Lower Upper

105 100

134 16.7 8.3 25.1



#86

p-Isopropyltoluene

Concen: 49.93 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

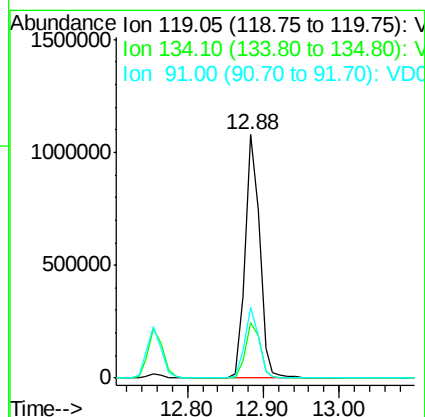
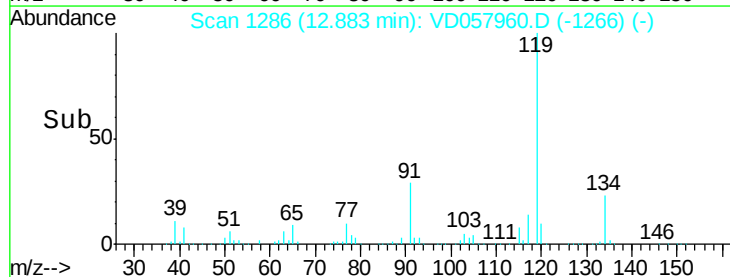
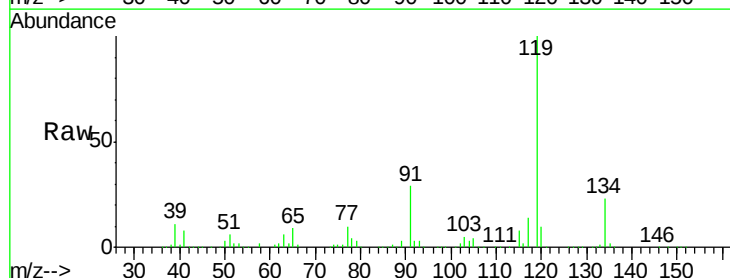
Tgt Ion:119 Resp: 1415547

Ion Ratio Lower Upper

119 100

134 22.9 11.5 34.4

91 29.1 14.5 43.6

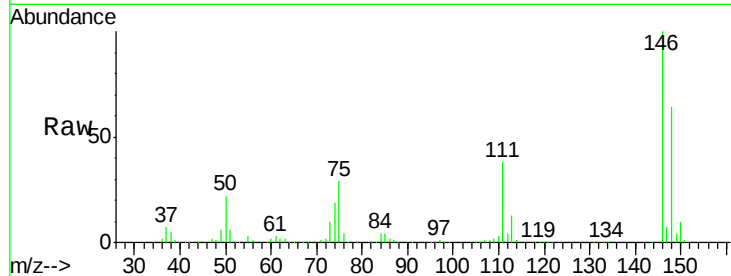




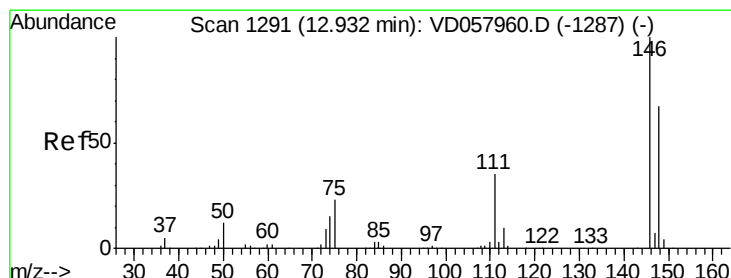
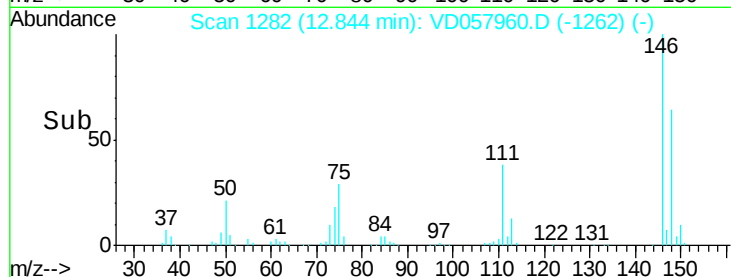
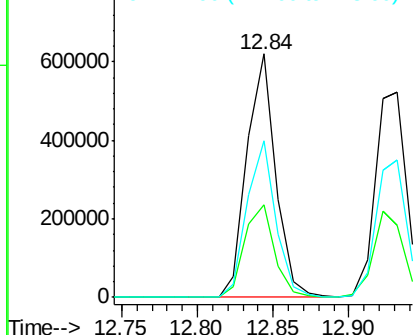
#87
 1,3-Dichlorobenzene
 Concen: 49.64 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 822663
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.3
 148 64.1 32.0 96.2

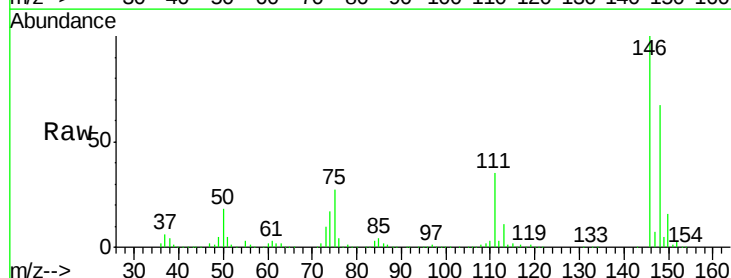


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

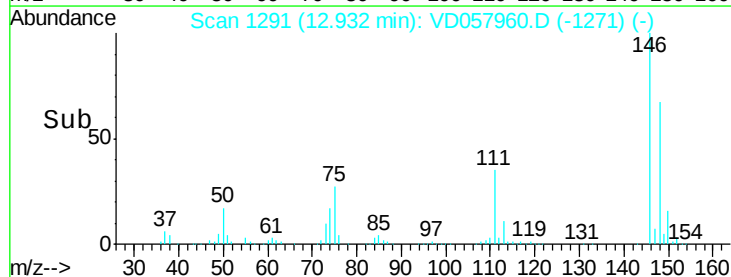
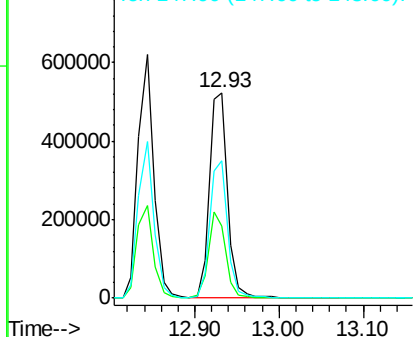


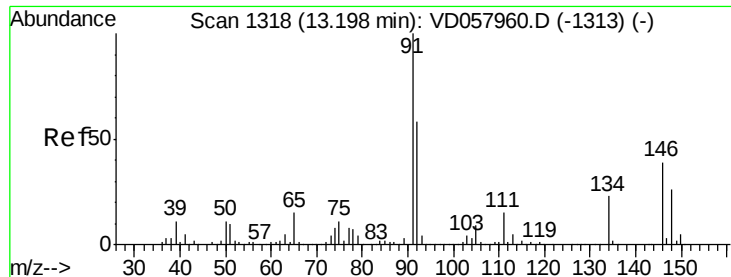
#88
 1,4-Dichlorobenzene
 Concen: 48.31 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion:146 Resp: 780094
 Ion Ratio Lower Upper
 146 100
 111 34.7 17.3 52.0
 148 66.8 33.4 100.2



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





#89

n-Butylbenzene

Concen: 46.97 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD057960.D

Acq: 6 Jun 2018 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

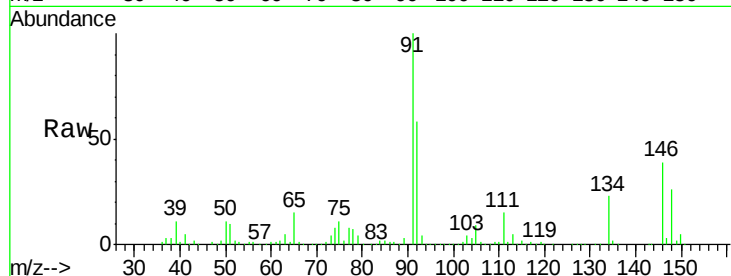
Tgt Ion: 91 Resp: 1370332

Ion Ratio Lower Upper

91 100

92 58.4 29.2 87.6

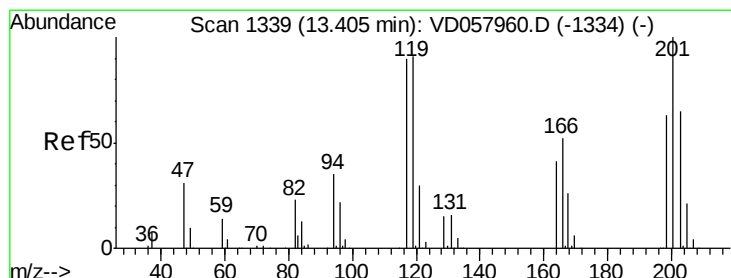
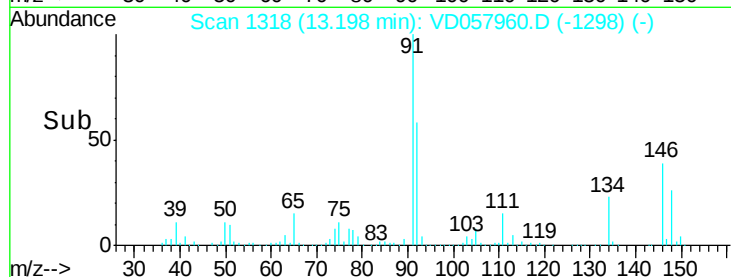
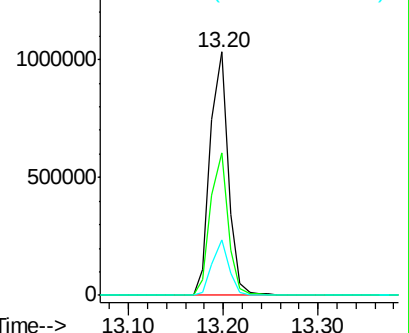
134 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 52.75 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD057960.D

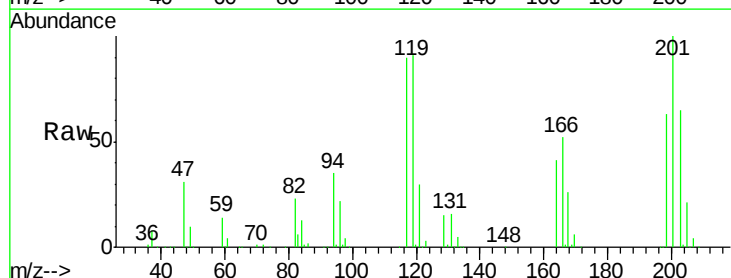
Acq: 6 Jun 2018 19:18

Tgt Ion: 117 Resp: 381678

Ion Ratio Lower Upper

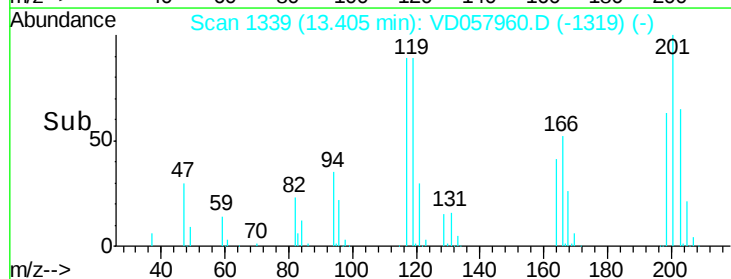
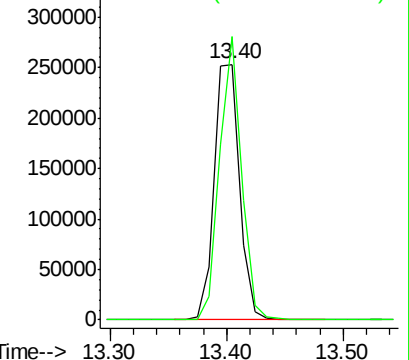
117 100

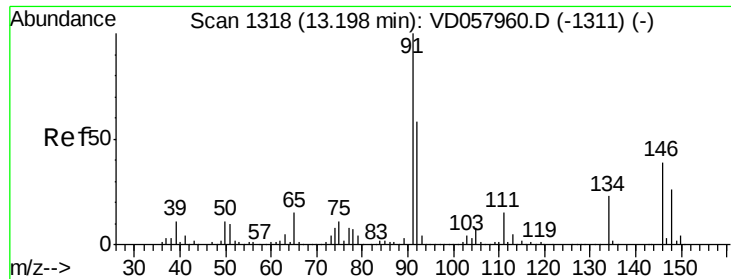
201 110.7 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

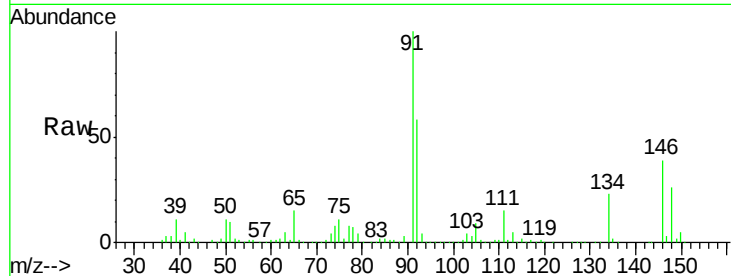




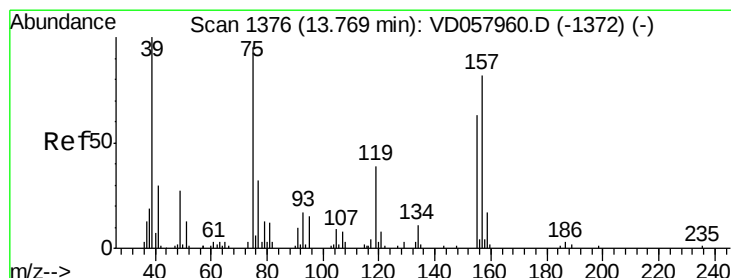
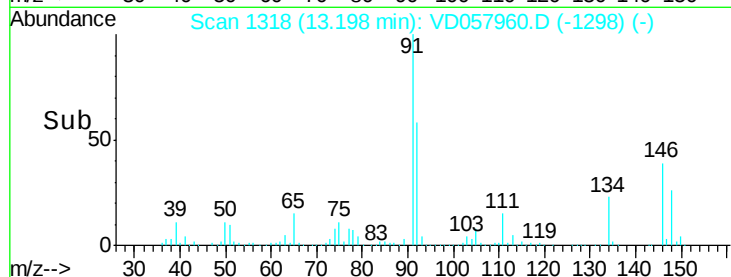
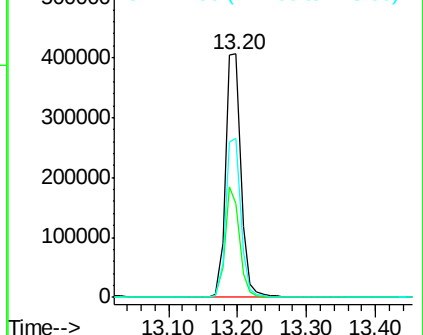
#91
 1,2-Dichlorobenzene
 Concen: 46.73 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tgt Ion:146 Resp: 625856
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 65.3 32.6 98.0

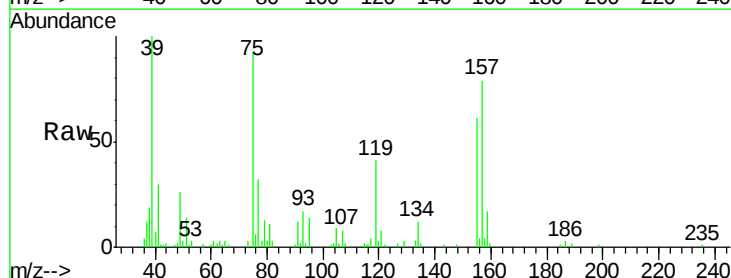


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

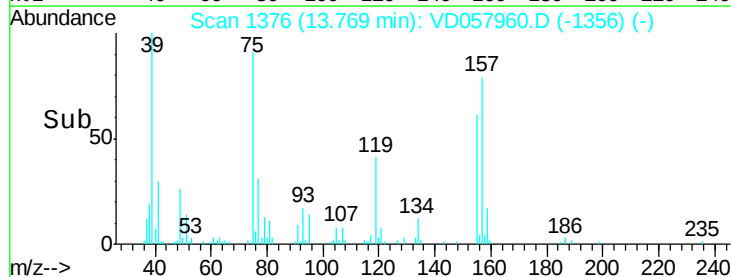
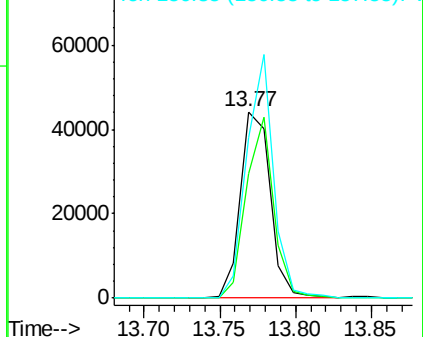


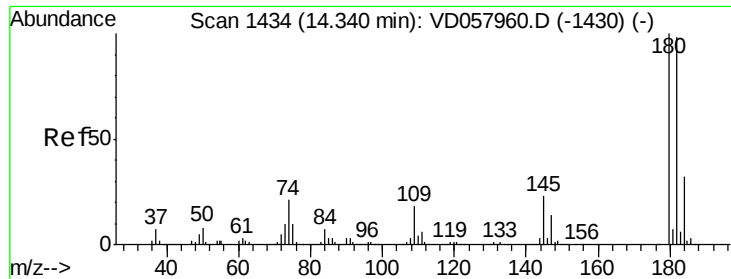
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.64 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion: 75 Resp: 60854
 Ion Ratio Lower Upper
 75 100
 155 66.7 33.4 100.1
 157 85.7 42.9 128.5



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

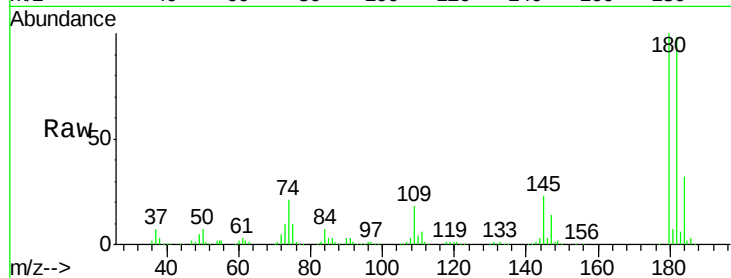




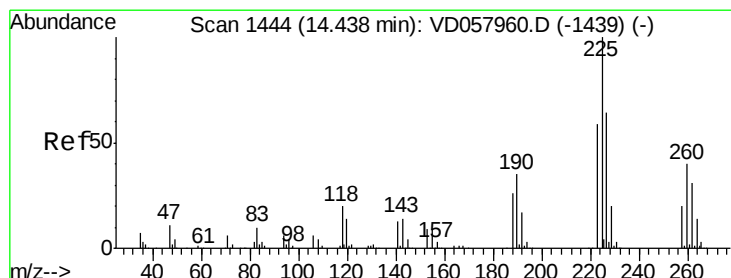
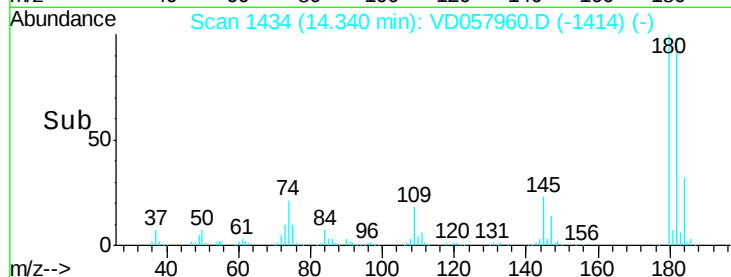
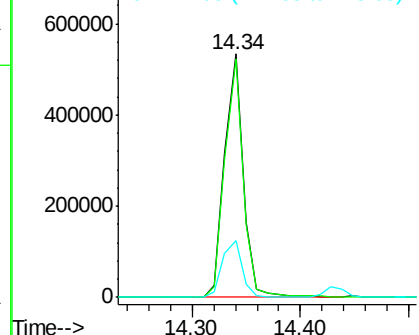
#93
 1,2,4-Trichlorobenzene
 Concen: 51.34 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 642421
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.0 147.2
 145 23.5 11.8 35.3

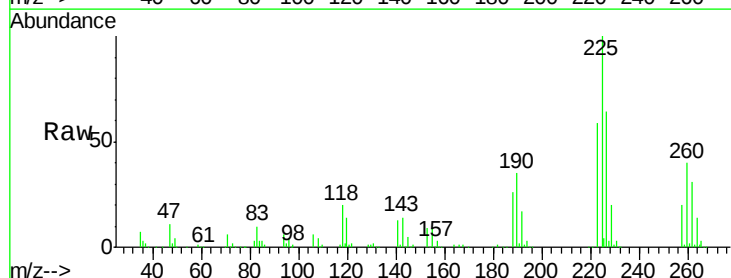


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

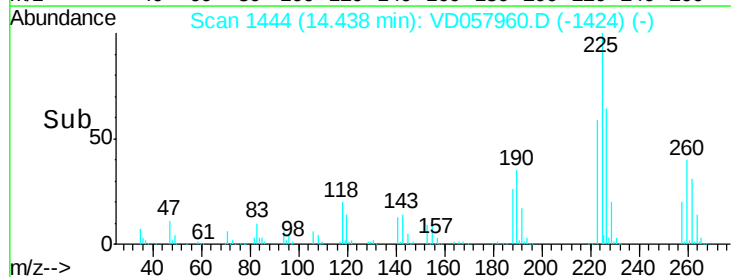
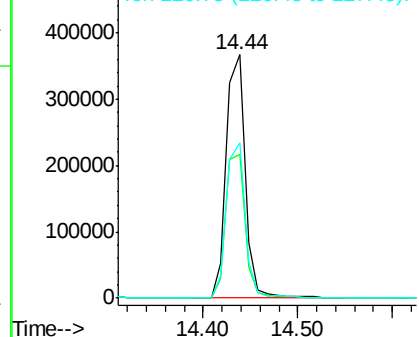


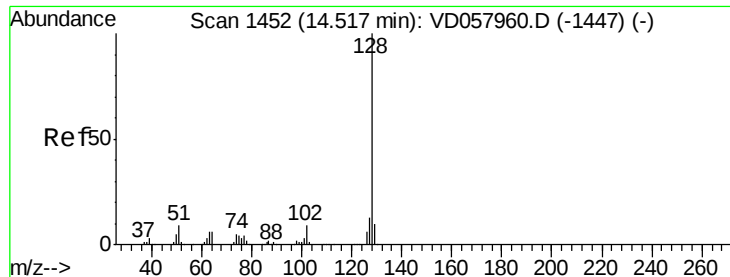
#94
 Hexachlorobutadiene
 Concen: 52.00 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD057960.D
 Acq: 6 Jun 2018 19:18

Tgt Ion:225 Resp: 511785
 Ion Ratio Lower Upper
 225 100
 223 59.1 29.5 88.6
 227 64.0 32.0 96.0



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

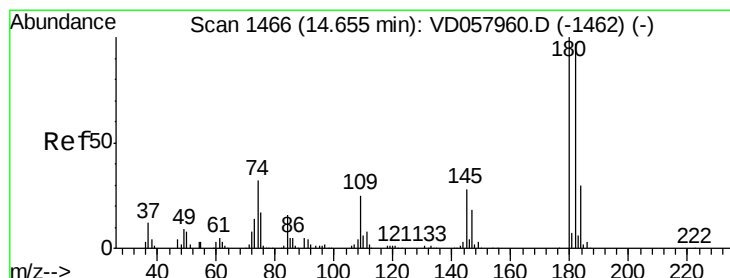
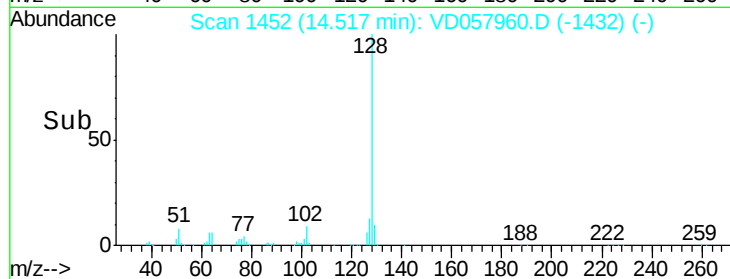
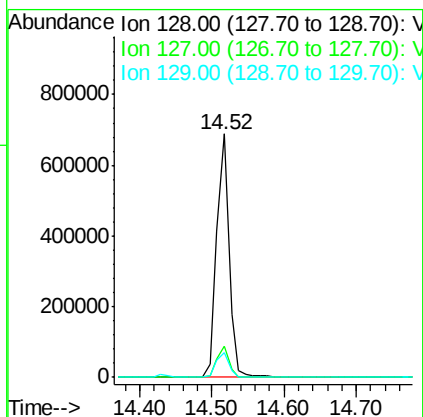
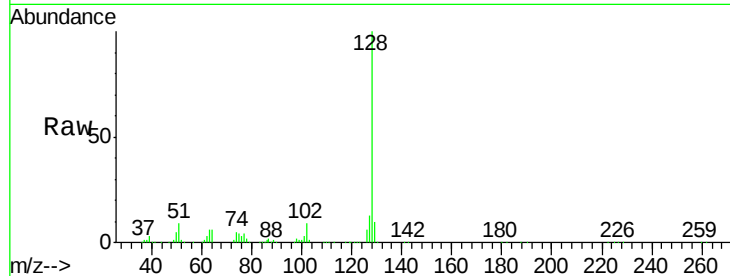




#95
Naphthalene
Concen: 50.49 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 814503
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 51.27 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD057960.D
Acq: 6 Jun 2018 19:18

Tgt Ion:180 Resp: 546655
Ion Ratio Lower Upper
180 100
182 97.0 48.5 145.5
145 28.5 14.2 42.8

