

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059412.D
 Acq On : 25 Jun 2018 21:27
 Operator : VA/AP
 Sample : J3663-03MS
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Quant Time: Jun 26 06:49:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	828480	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	1045197	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	821311	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	405678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	370930	43.78	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	5.53	113	377119	44.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.60%	
50) Toluene-d8	8.70	98	837455	42.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	84.16%	
62) 4-Bromofluorobenzene	11.92	95	368605	44.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	348546	47.285	ug/l	99
3) Chloromethane	1.47	50	172435	44.957	ug/l #	86
4) Vinyl Chloride	1.54	62	192692	48.425	ug/l	93
5) Bromomethane	1.78	94	80574	59.637	ug/l	97
6) Chloroethane	1.87	64	87053	51.645	ug/l	98
7) Trichlorofluoromethane	2.07	101	301794	52.597	ug/l	96
8) Diethyl Ether	2.33	74	70115	54.005	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.54	101	183520	51.469	ug/l	95
10) Methyl Iodide	2.67	142	210610	50.568	ug/l	96
11) Tert butyl alcohol	3.26	59	81801	279.087	ug/l	98
12) 1,1-Dichloroethene	2.53	96	136704	50.078	ug/l	92
13) Acrolein	2.46	56	58125	221.829	ug/l	98
14) Allyl chloride	2.90	41	314143	50.276	ug/l	98
15) Acrylonitrile	3.34	53	216948	241.173	ug/l	95
16) Acetone	2.60	43	1175477	1099.306	ug/l	94
17) Carbon Disulfide	2.74	76	421202	50.378	ug/l	98
18) Methyl Acetate	2.92	43	135504	59.020	ug/l	99
19) Methyl tert-butyl Ether	3.38	73	517928	38.545	ug/l	99
20) Methylene Chloride	3.05	84	180016	61.266	ug/l	97
21) trans-1,2-Dichloroethene	3.36	96	168661	34.943	ug/l #	77
22) Diisopropyl ether	4.05	45	1112347	47.314	ug/l	96
23) Vinyl Acetate	3.99	43	3144458	256.711	ug/l	99
24) 1,1-Dichloroethane	3.95	63	661179	49.149	ug/l	99
25) 2-Butanone	4.82	43	1170046	522.352	ug/l	99
26) 2,2-Dichloropropane	4.78	77	523753	50.204	ug/l	95
27) cis-1,2-Dichloroethene	4.78	96	742394	91.529	ug/l	93
28) Bromochloromethane	5.13	49	251501	43.123	ug/l	95
29) Tetrahydrofuran	5.17	42	296671	242.136	ug/l	95
30) Chloroform	5.30	83	754002	51.424	ug/l	95
31) Cyclohexane	5.58	56	453969	51.237	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	620698	52.276	ug/l	97
36) 1,1-Dichloropropene	5.73	75	469355	49.503	ug/l	99
37) Ethyl Acetate	4.91	43	288578	49.978	ug/l	99
38) Carbon Tetrachloride	5.71	117	522869	53.488	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	469338	52.192	ug/l	97
40) Benzene	5.99	78	1182649	51.978	ug/l	97
41) Methacrylonitrile	5.11	41	142633	51.286	ug/l	89
42) 1,2-Dichloroethane	6.11	62	532848	53.001	ug/l	93
43) Isopropyl Acetate	7.61	43	378303	52.171	ug/l #	99
44) Trichloroethene	6.97	130	394560	52.962	ug/l	95
45) 1,2-Dichloropropane	7.33	63	313540	49.754	ug/l	97
46) Dibromomethane	7.45	93	231443	51.068	ug/l	89
47) Bromodichloromethane	7.72	83	538186	53.071	ug/l #	96
48) Methyl methacrylate	7.49	41	237311	53.717	ug/l	94
49) 1,4-Dioxane	7.48	88	48838	1102.290	ug/l #	78
51) 4-Methyl-2-Pentanone	8.58	43	1935732	400.608	ug/l	99
52) Toluene	8.79	92	758899	55.847	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	453000	53.457	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	509874	51.964	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	269157	54.556	ug/l	96
56) Ethyl methacrylate	9.30	69	303830	53.969	ug/l	97
57) 1,3-Dichloropropane	9.65	76	419947	52.045	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	734372	253.396	ug/l	99
59) 2-Hexanone	9.77	43	1027835	299.290	ug/l	98
60) Dibromochloromethane	9.95	129	375008	54.280	ug/l	93
61) 1,2-Dibromoethane	10.08	107	286806	52.204	ug/l	98
64) Tetrachloroethene	9.50	164	404963	56.206	ug/l	98
65) Chlorobenzene	10.72	112	3653934	243.306	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	309152	53.629	ug/l	96
67) Ethyl Benzene	10.85	91	1387279	54.744	ug/l	98
68) m/p-Xylenes	11.00	106	1030759	122.597	ug/l	96
69) o-Xylene	11.40	106	446316	53.694	ug/l	100
70) Styrene	11.43	104	740302	51.956	ug/l	98
71) Bromoform	11.59	173	271718	56.897	ug/l	96
73) Isopropylbenzene	11.76	105	1267276	55.356	ug/l	98
74) N-amyl acetate	11.64	43	593233	68.109	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	313549	58.380	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	323572	57.825	ug/l	96
77) Bromobenzene	12.04	156	387446	53.772	ug/l	82
78) n-propylbenzene	12.15	91	1757053	60.600	ug/l	98
79) 2-Chlorotoluene	12.21	91	970566	57.001	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	1365423	74.920	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	74381	58.482	ug/l	99
82) 4-Chlorotoluene	12.32	91	1002845	51.940	ug/l	94
83) tert-Butylbenzene	12.57	119	1015000	52.357	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	2105719	109.176	ug/l	93
85) sec-Butylbenzene	12.76	105	1378116	57.932	ug/l	95
86) p-Isopropyltoluene	12.88	119	1091427	56.922	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	1833195	154.649	ug/l	93
88) 1,4-Dichlorobenzene	12.92	146	2951695	252.333	ug/l	99
89) n-Butylbenzene	13.19	91	557373	29.449	ug/l	98
90) Hexachloroethane	13.40	117	301629	63.053	ug/l	87
91) 1,2-Dichlorobenzene	13.21	146	7514819	747.709	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	57855	65.327	ug/l	78

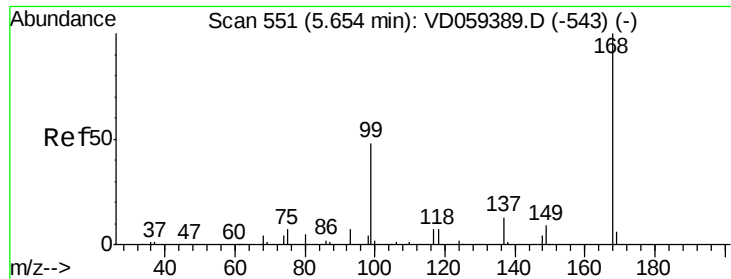
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	611430	65.802	µg/l	94
94) Hexachlorobutadiene	14.43	225	393954	56.342	µg/l	99
95) Naphthalene	14.51	128	1407874	108.713	µg/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	473691	56.698	µg/l	98

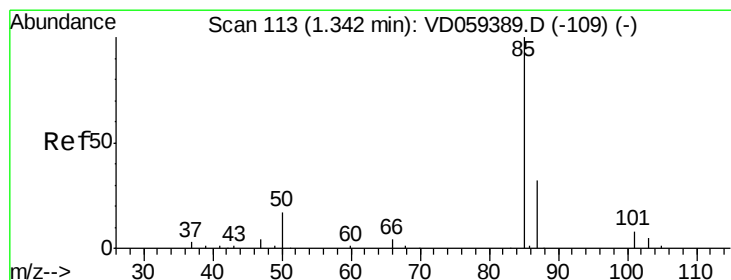
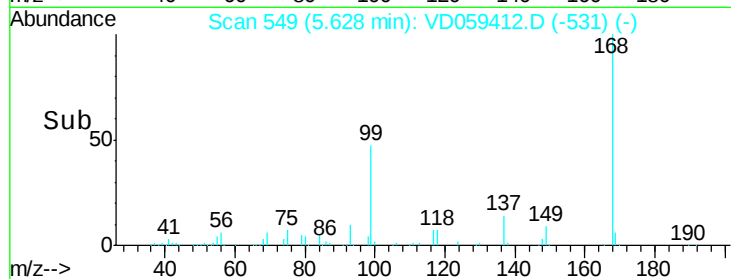
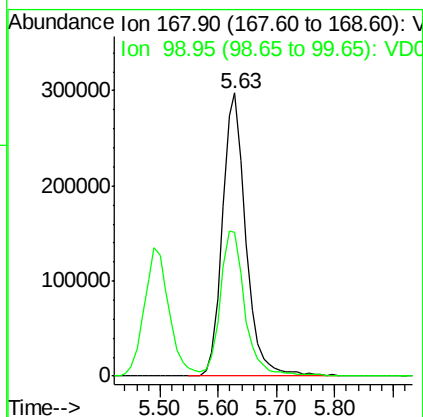
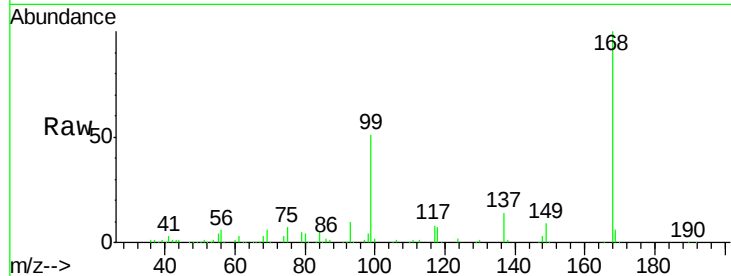
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

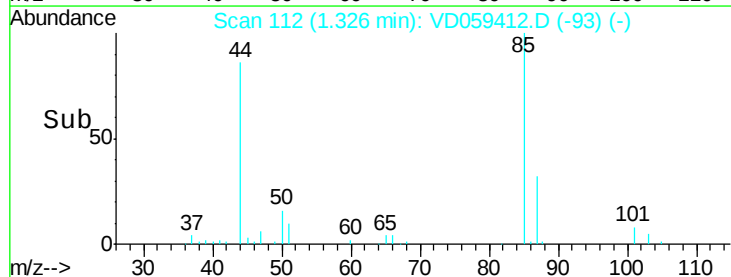
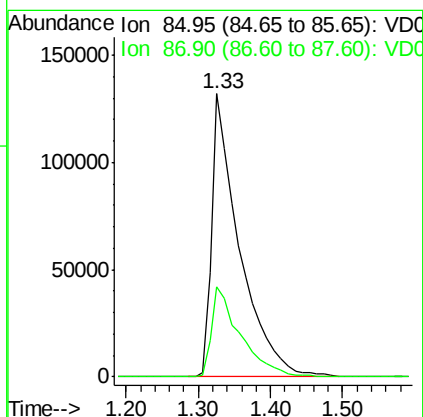
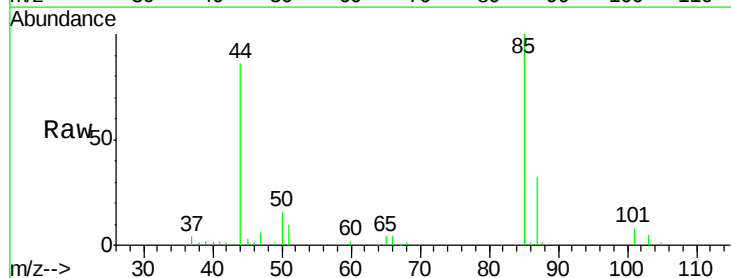
Instrument :
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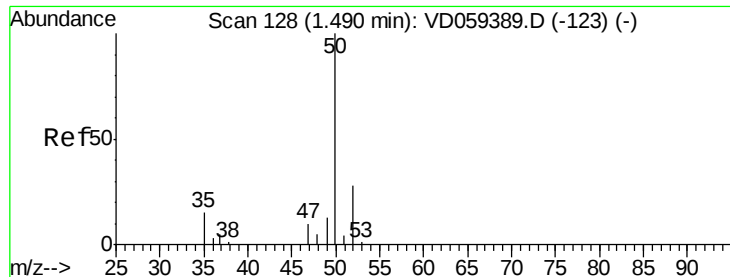
Tot Ion:168 Resp: 828480
Ion Ratio Lower Upper
168 100
99 50.6 41.0 61.6



#2
Dichlorodifluoromethane
Concen: 47.285 ug/l
RT: 1.33 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 85 Resp: 348546
Ion Ratio Lower Upper
85 100
87 32.1 16.2 48.6





#3

Chloromethane

Concen: 44.957 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

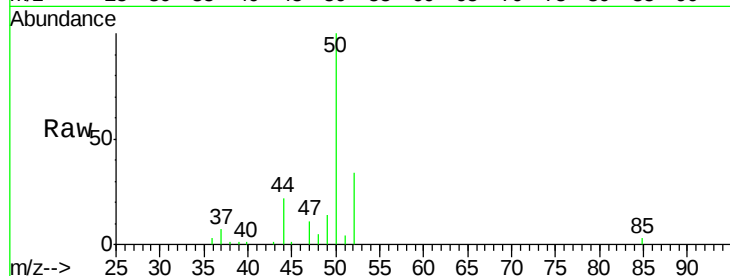
WP021SB472-13-15-180618MS

Tot Ion: 50 Resp: 172435

Ion Ratio Lower Upper

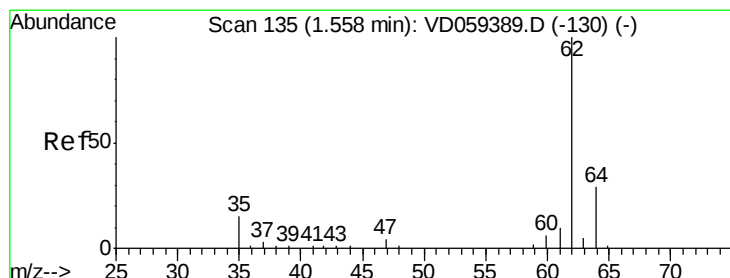
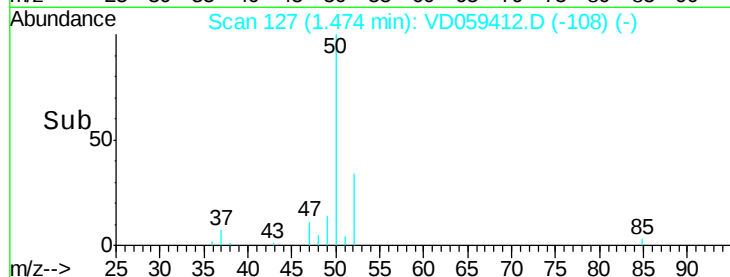
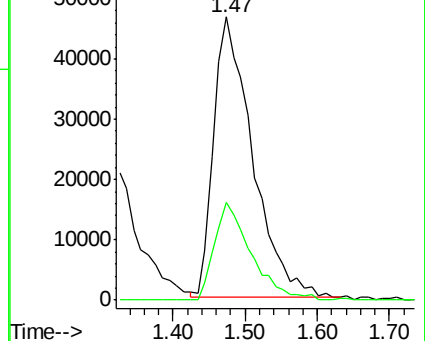
50 100

52 34.4 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.425 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.02 min

Lab File: VD059412.D

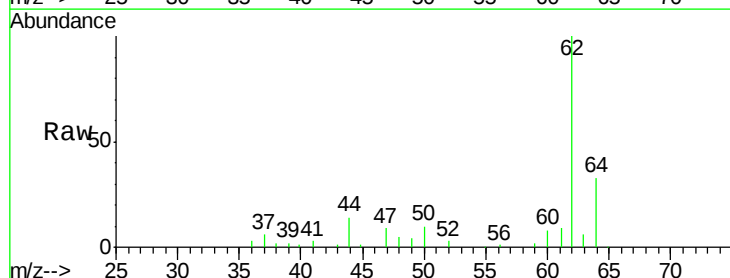
Acq: 25 Jun 2018 21:27

Tgt Ion: 62 Resp: 192692

Ion Ratio Lower Upper

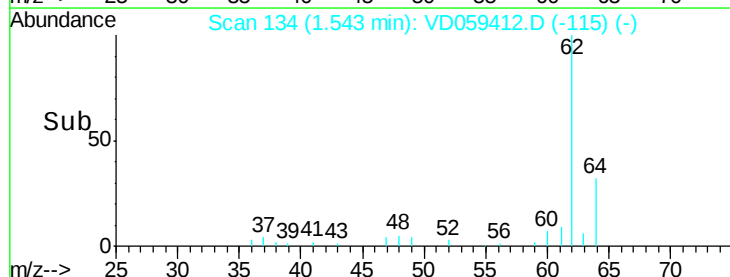
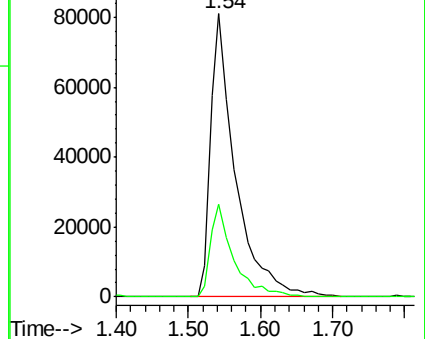
62 100

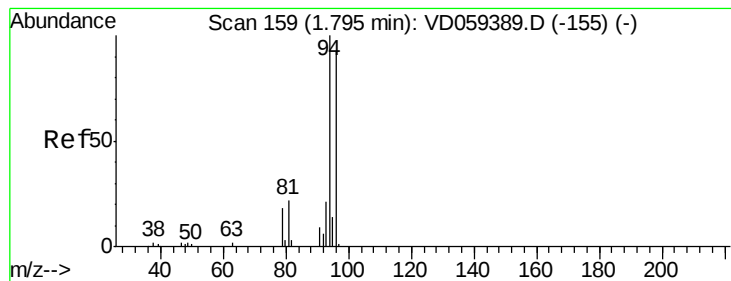
64 32.7 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.637 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

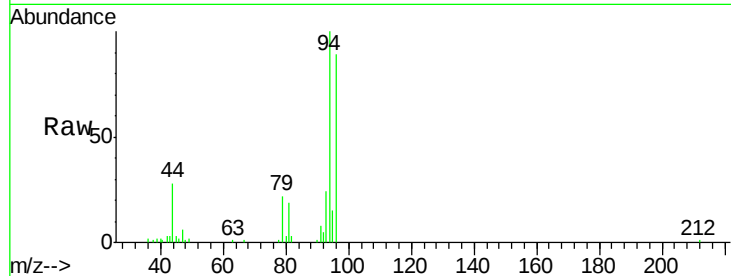
WP021SB472-13-15-180618MS

Tot Ion: 94 Resp: 80574

Ion Ratio Lower Upper

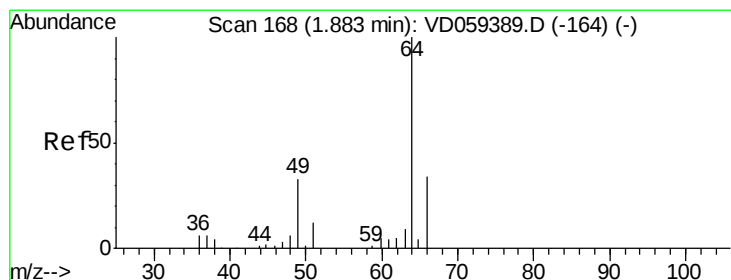
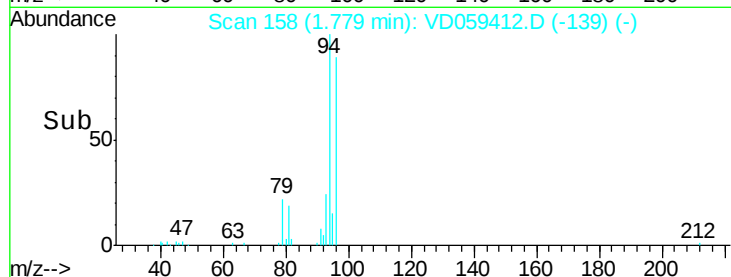
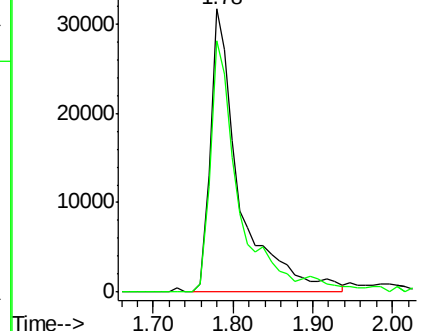
94 100

96 88.6 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.645 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD059412.D

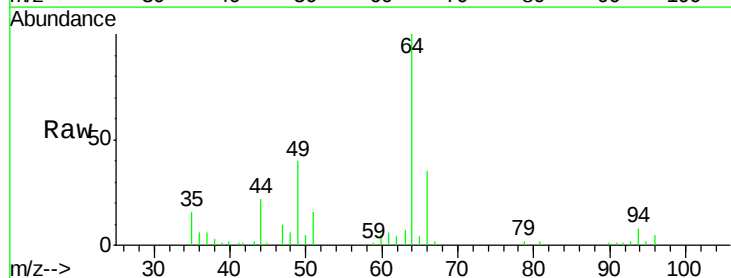
Acq: 25 Jun 2018 21:27

Tgt Ion: 64 Resp: 87053

Ion Ratio Lower Upper

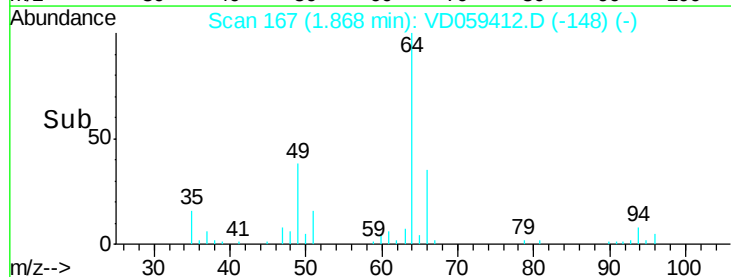
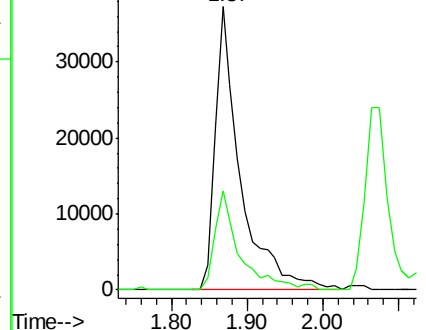
64 100

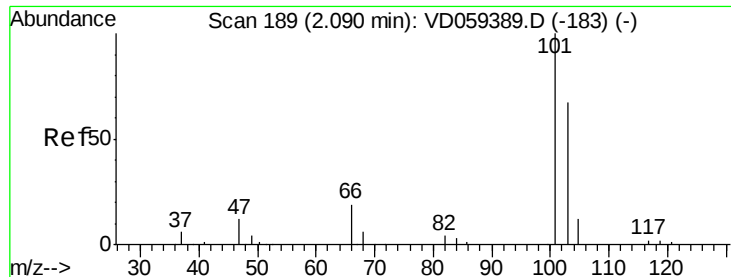
66 35.0 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



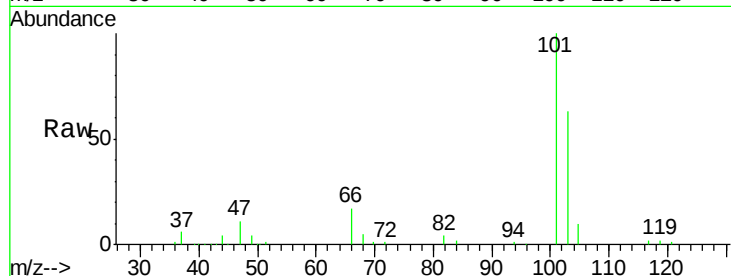


#7

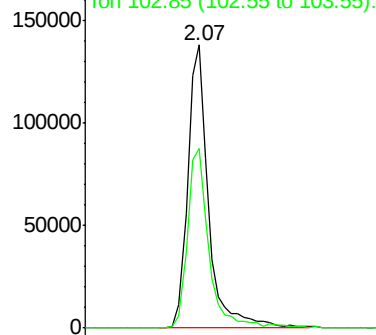
Trichlorofluoromethane
 Concen: 52.597 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

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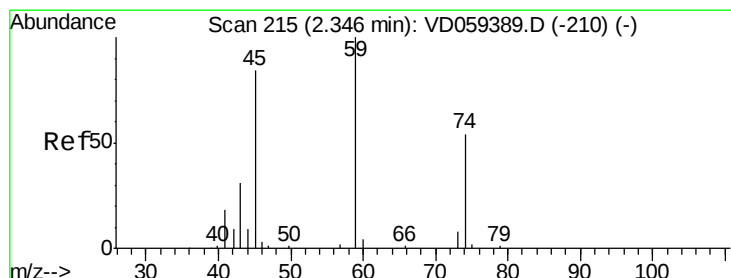
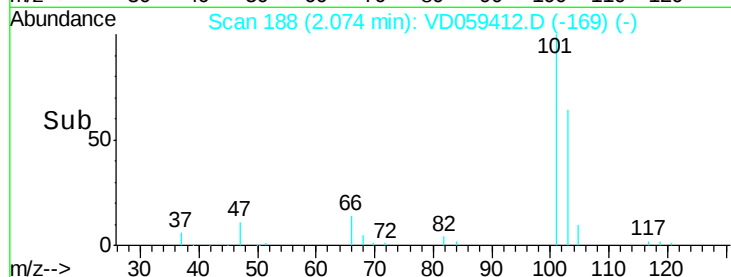
Tot Ion:101 Resp: 301794
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.4 80.0



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



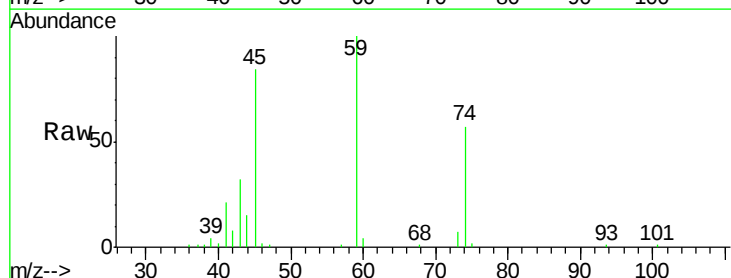
Time-->



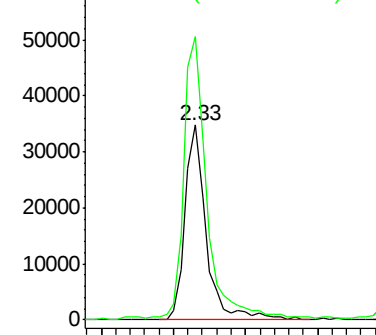
#8

Diethyl Ether
 Concen: 54.005 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

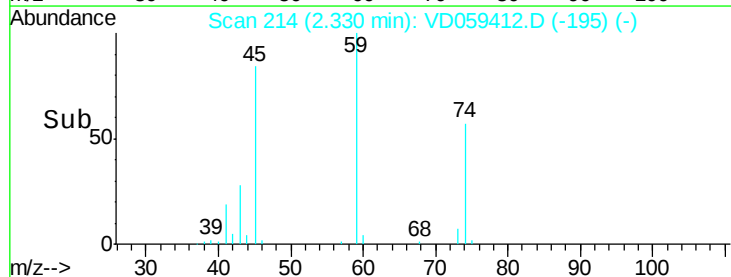
Tgt Ion: 74 Resp: 70115
 Ion Ratio Lower Upper
 74 100
 45 145.4 78.0 233.8

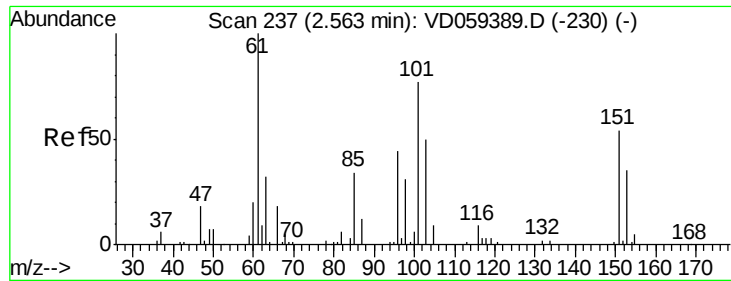


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.469 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

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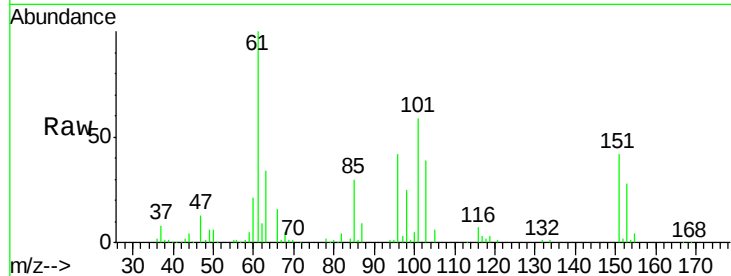
Tot Ion:101 Resp: 183520

Ion Ratio Lower Upper

101 100

85 50.9 35.7 53.5

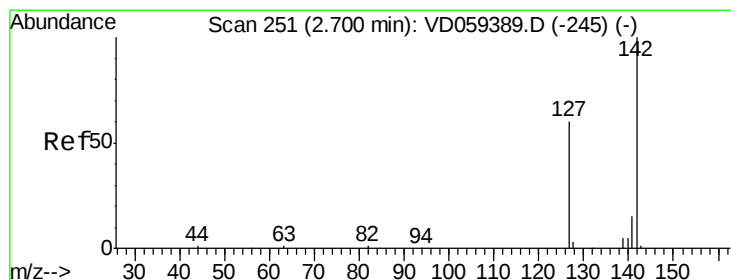
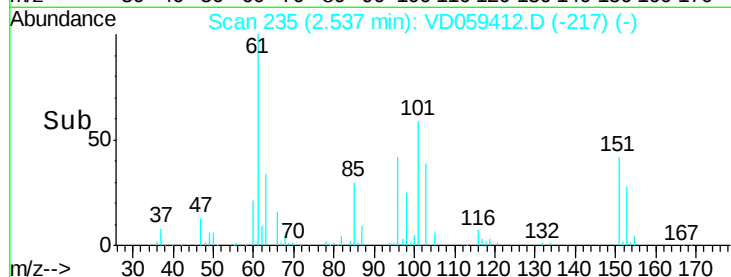
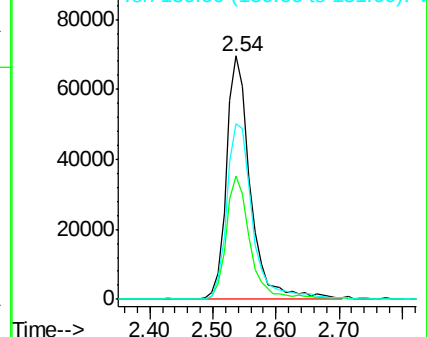
151 72.1 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.568 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

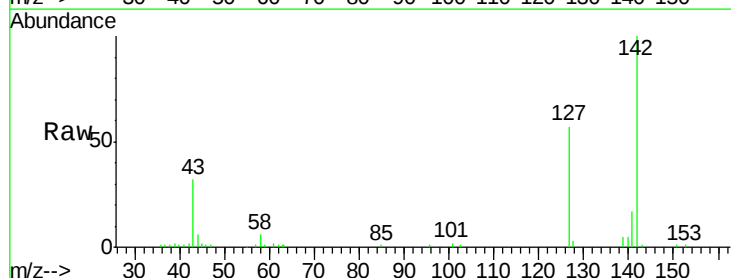
Tgt Ion:142 Resp: 210610

Ion Ratio Lower Upper

142 100

127 57.1 48.4 72.6

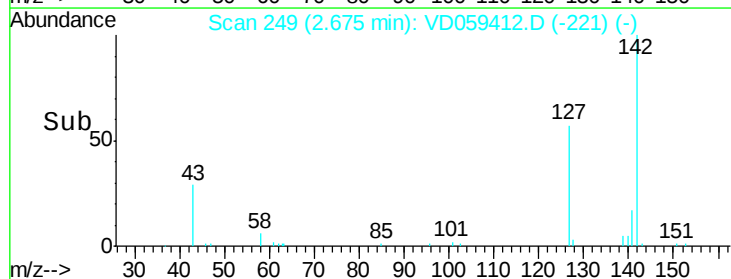
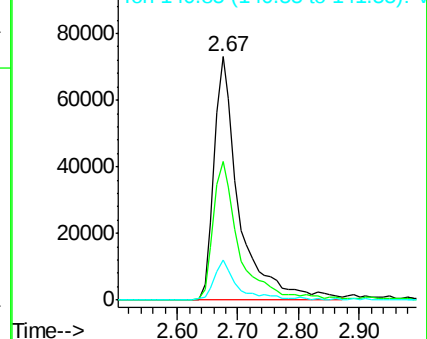
141 16.5 12.1 18.1

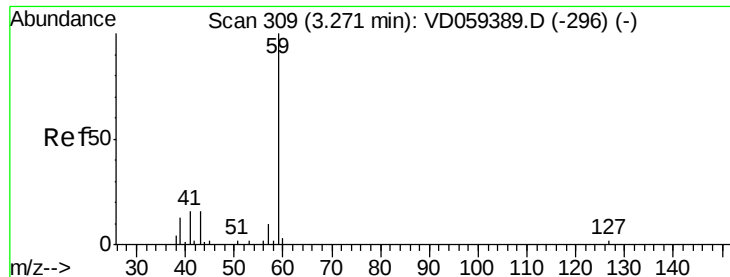


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



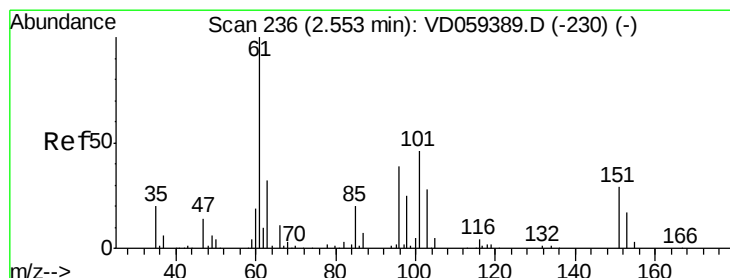
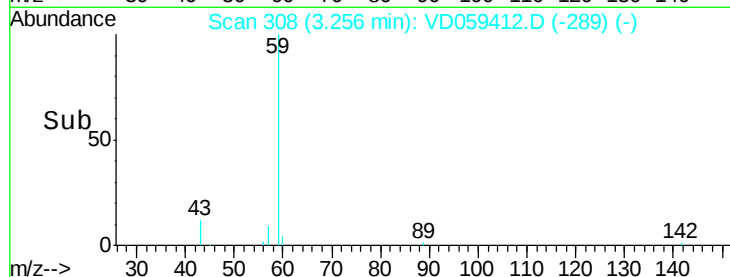
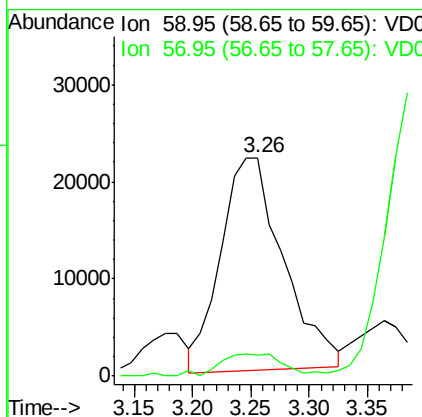
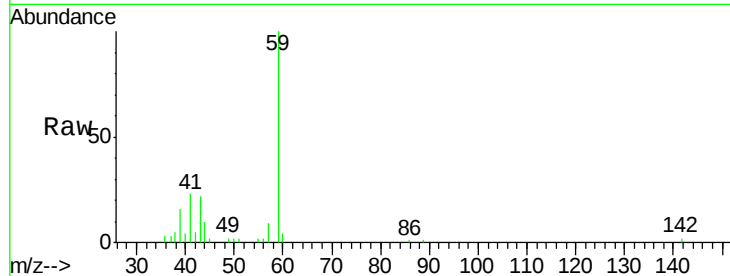


#11

Tert butyl alcohol
 Concen: 279.087 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

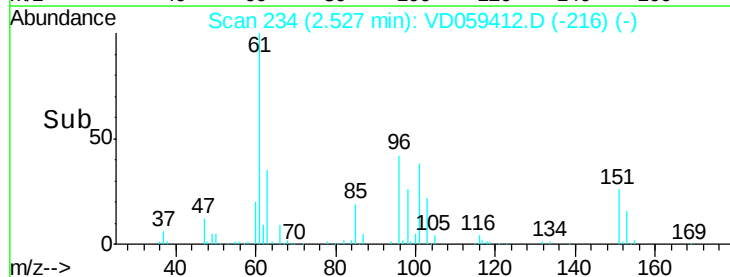
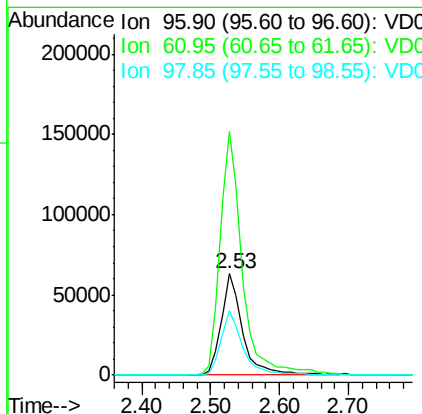
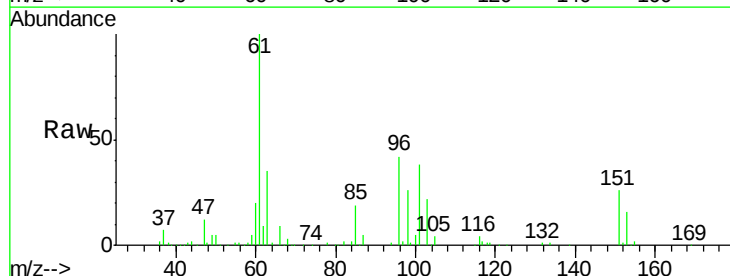
Tot Ion: 59 Resp: 81801
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.3 12.5

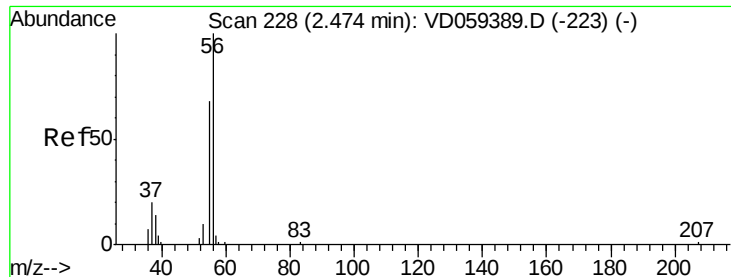


#12

1,1-Dichloroethene
 Concen: 50.078 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 96 Resp: 136704
 Ion Ratio Lower Upper
 96 100
 61 239.9 205.4 308.0
 98 63.2 51.0 76.4





#13

Acrolein

Concen: 221.829 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

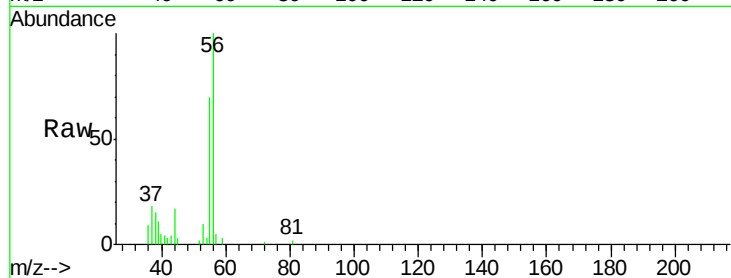
WP021SB472-13-15-180618MS

Tot Ion: 56 Resp: 58125

Ion Ratio Lower Upper

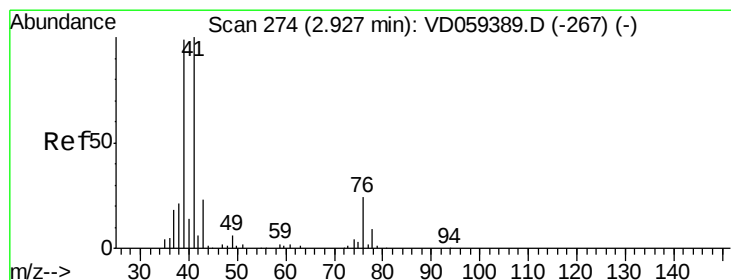
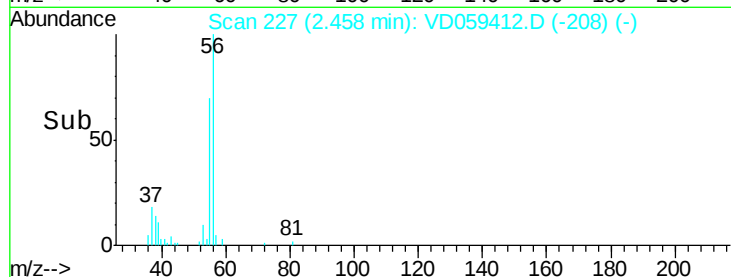
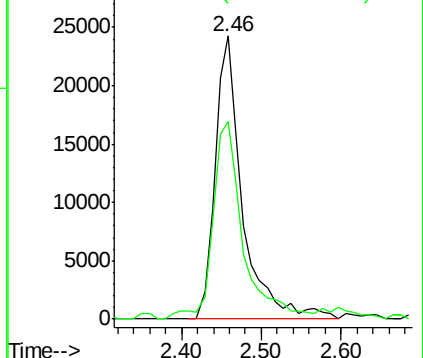
56 100

55 70.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.276 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

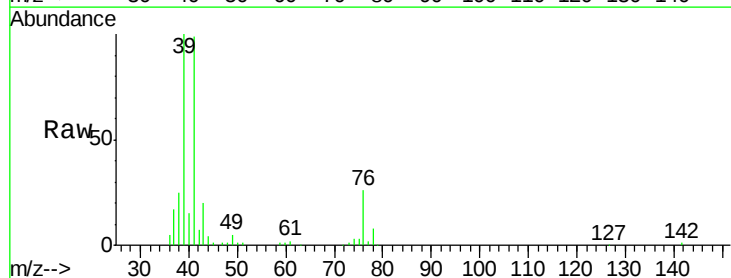
Tgt Ion: 41 Resp: 314143

Ion Ratio Lower Upper

41 100

39 101.2 79.1 118.7

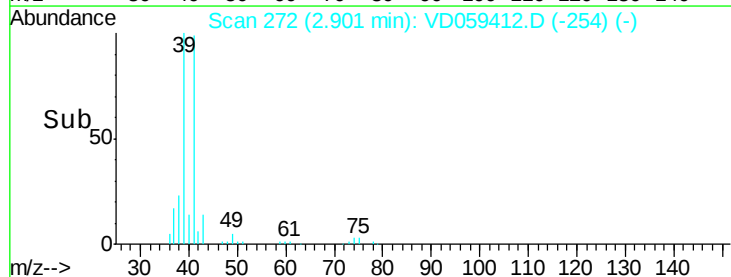
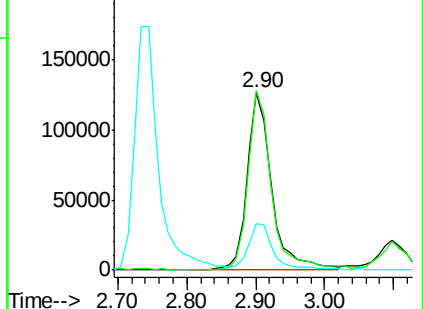
76 26.5 21.9 32.9

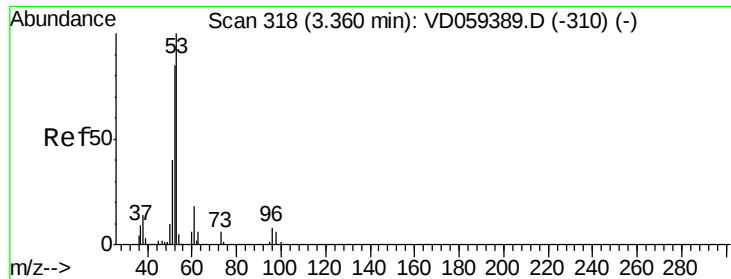


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 241.173 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

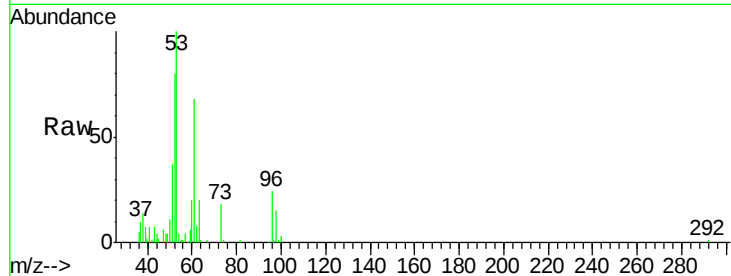
Tot Ion: 53 Resp: 216948

Ion Ratio Lower Upper

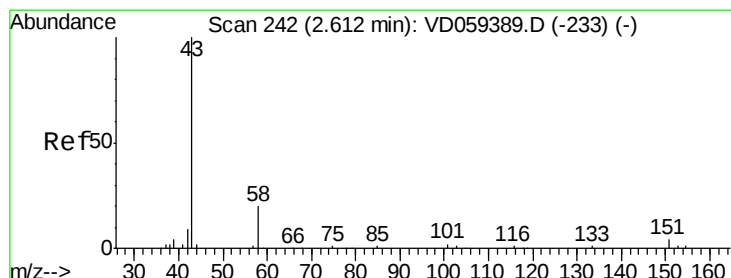
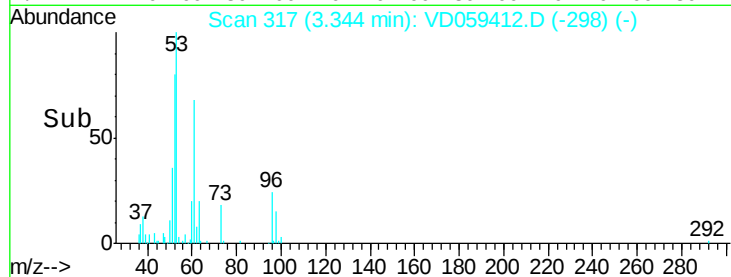
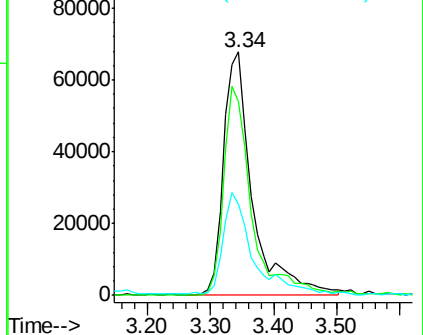
53 100

52 79.7 67.9 101.9

51 37.5 32.2 48.4



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



#16

Acetone

Concen: 1099.306 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059412.D

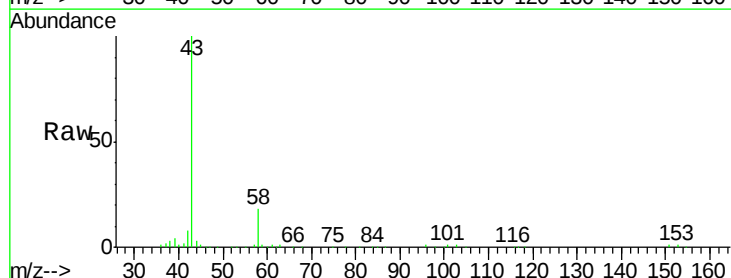
Acq: 25 Jun 2018 21:27

Tgt Ion: 43 Resp: 1175477

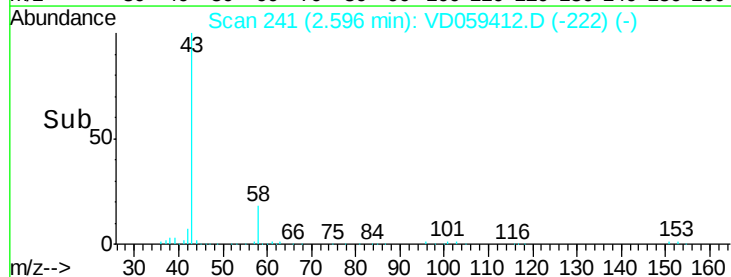
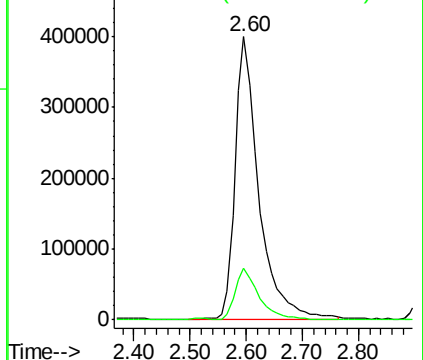
Ion Ratio Lower Upper

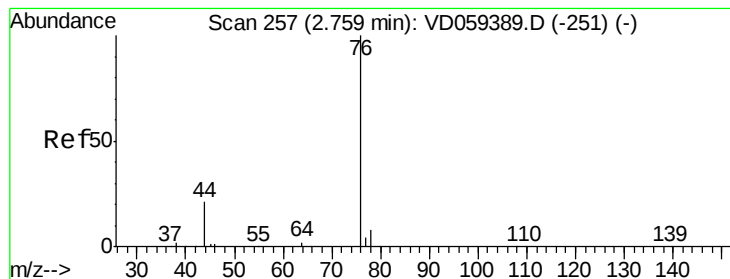
43 100

58 18.4 16.8 25.2



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





#17

Carbon Disulfide

Concen: 50.378 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

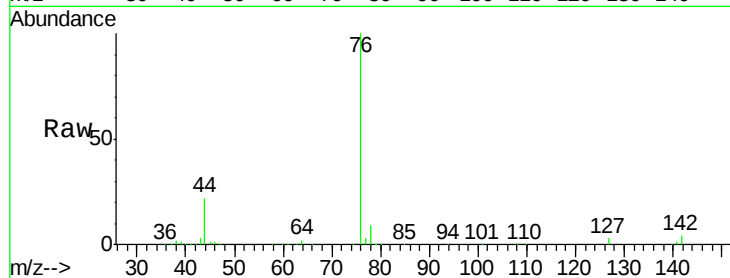
WP021SB472-13-15-180618MS

Tot Ion: 76 Resp: 421202

Ion Ratio Lower Upper

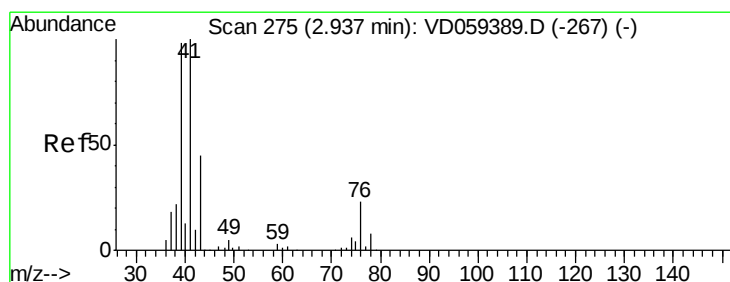
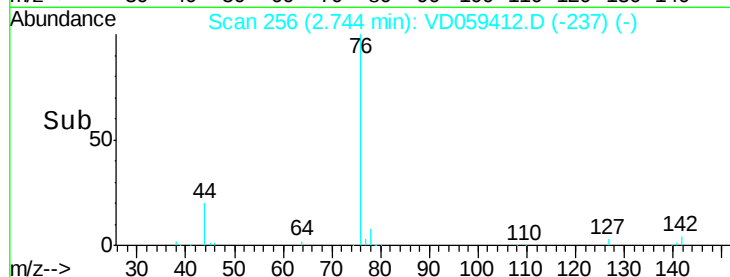
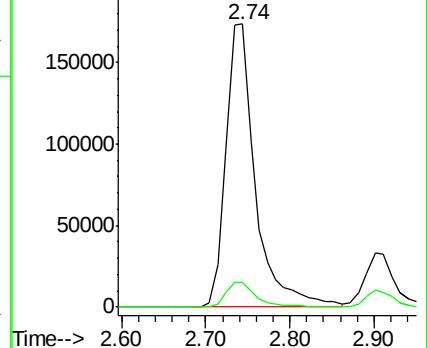
76 100

78 8.8 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 59.020 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.02 min

Lab File: VD059412.D

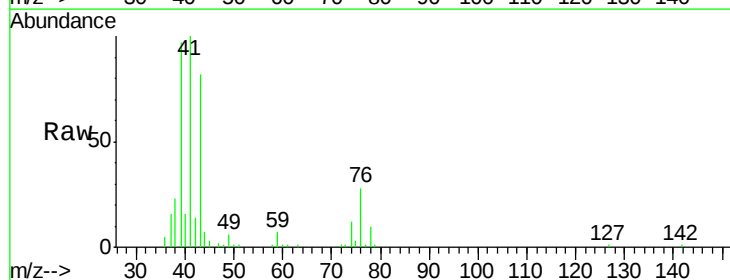
Acq: 25 Jun 2018 21:27

Tgt Ion: 43 Resp: 135504

Ion Ratio Lower Upper

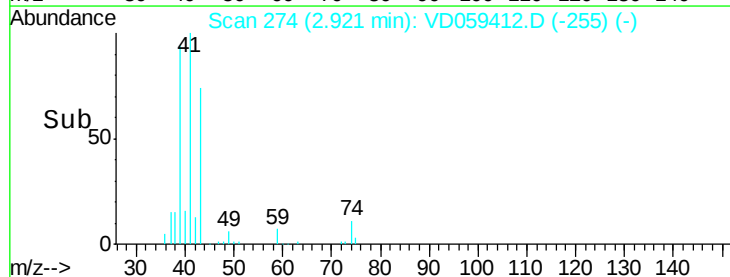
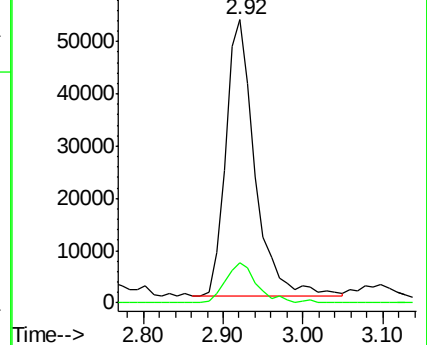
43 100

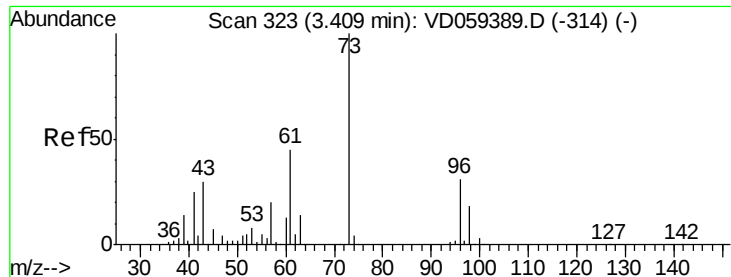
74 14.3 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

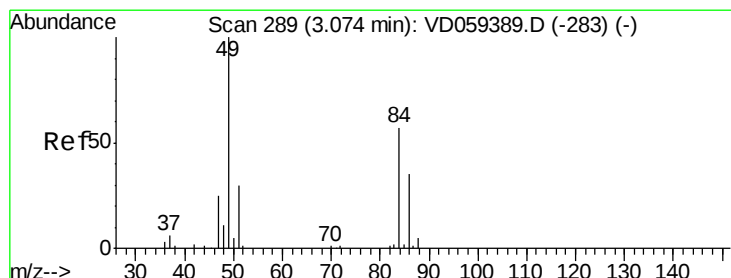
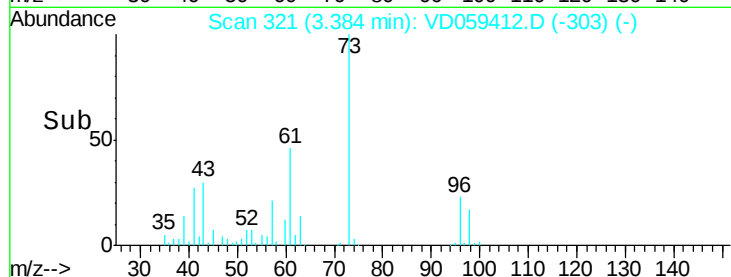
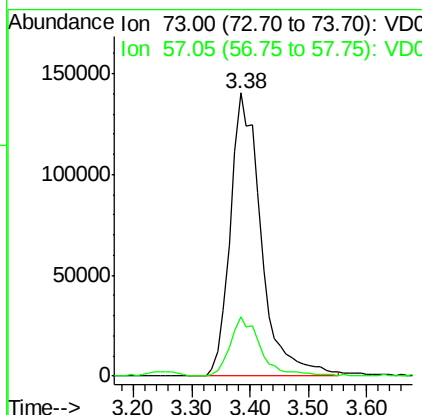
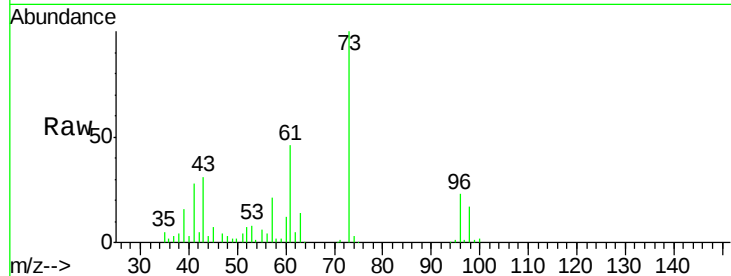




#19
Methvl tert-butvl Ether
Concen: 38.545 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

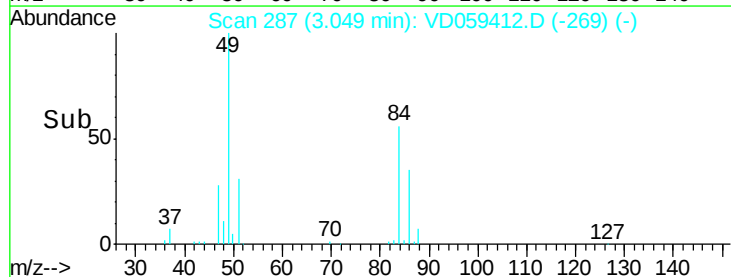
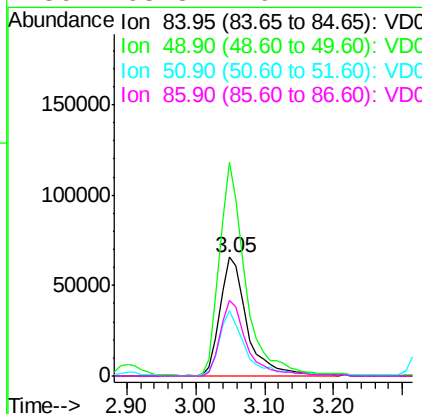
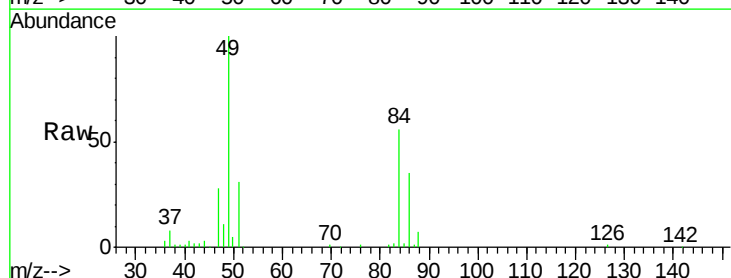
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

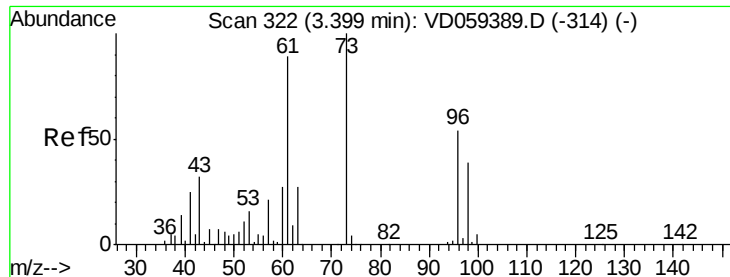
Tot Ion: 73 Resp: 517928
Ion Ratio Lower Upper
73 100
57 20.8 16.1 24.1



#20
Methylene Chloride
Concen: 61.266 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 84 Resp: 180016
Ion Ratio Lower Upper
84 100
49 179.5 140.3 210.5
51 55.0 41.6 62.4
86 63.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 34.943 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.04 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

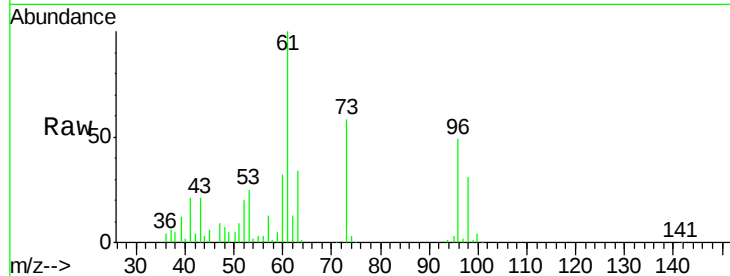
Tot Ion: 96 Resp: 168661

Ion Ratio Lower Upper

96 100

61 202.1 131.0 196.4#

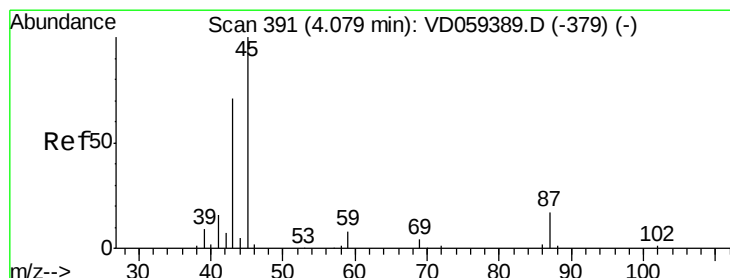
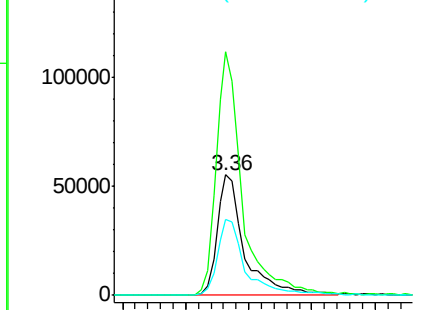
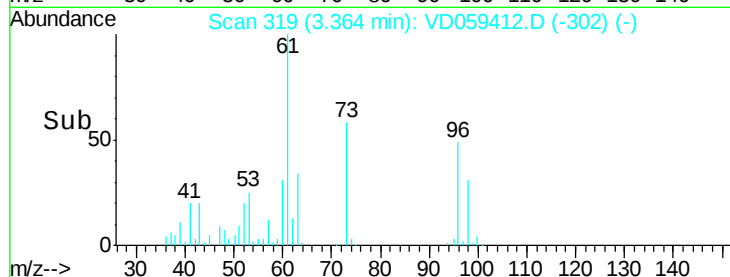
98 63.4 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 47.314 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Tgt Ion: 45 Resp: 1112347

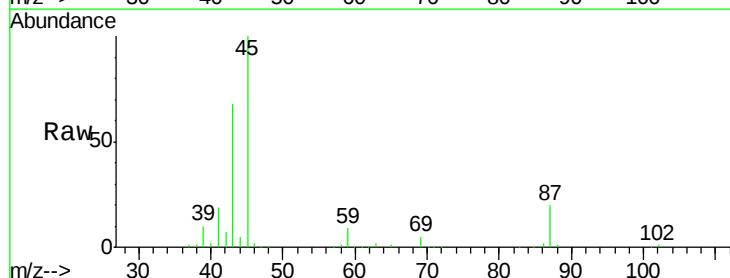
Ion Ratio Lower Upper

45 100

43 67.9 56.9 85.3

87 19.7 14.2 21.4

59 8.8 7.0 10.4

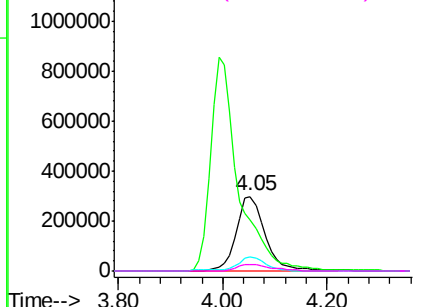
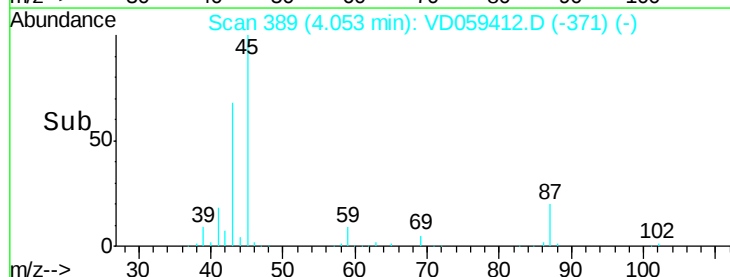


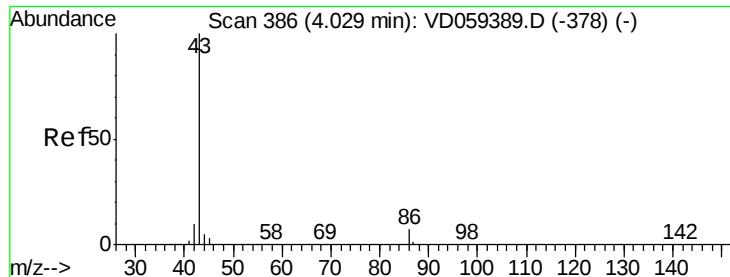
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 256.711 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

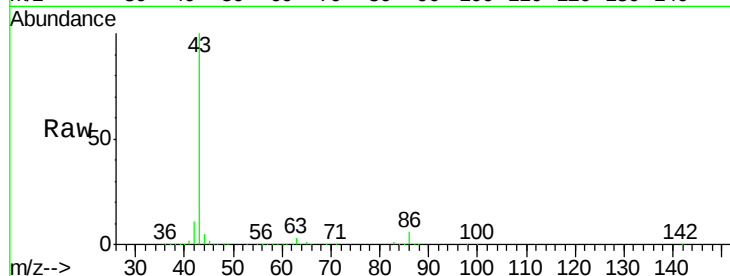
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 3144458

Ion Ratio Lower Upper

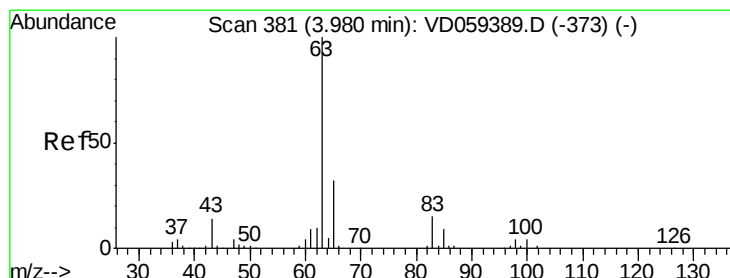
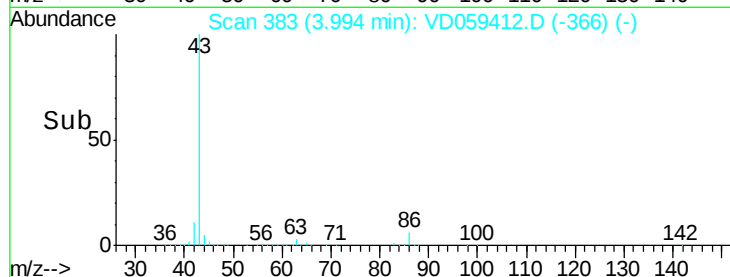
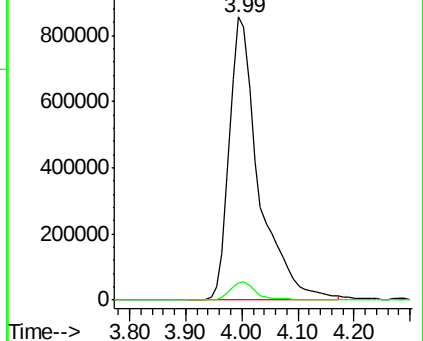
43 100

86 6.2 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.149 ug/l

RT: 3.95 min Scan# 379

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

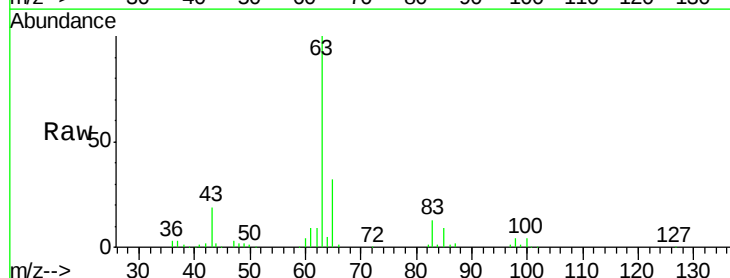
Tgt Ion: 63 Resp: 661179

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

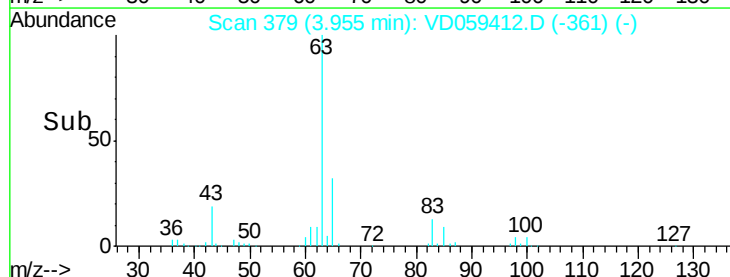
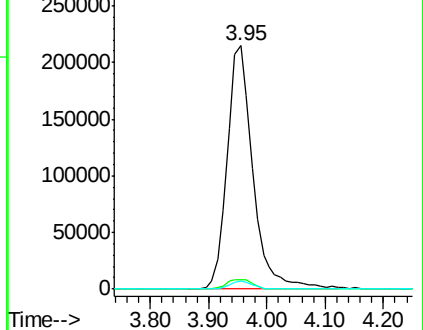
100 3.7 1.8 5.5

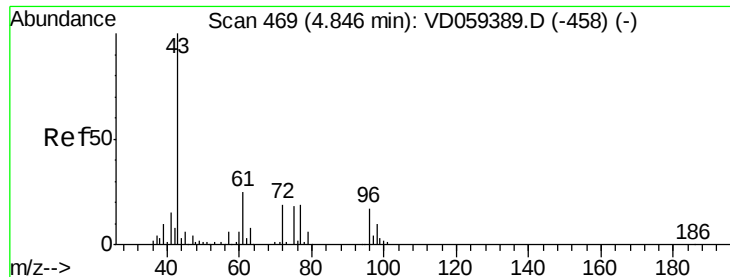


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 522.352 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

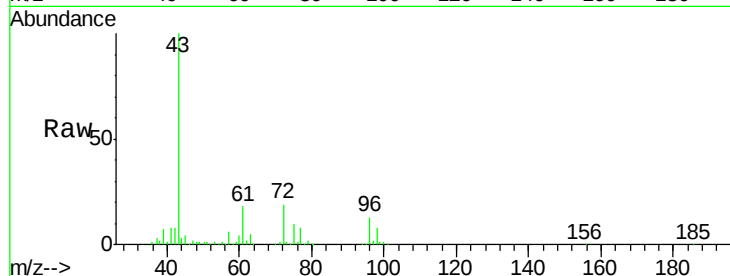
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 1170046

Ion Ratio Lower Upper

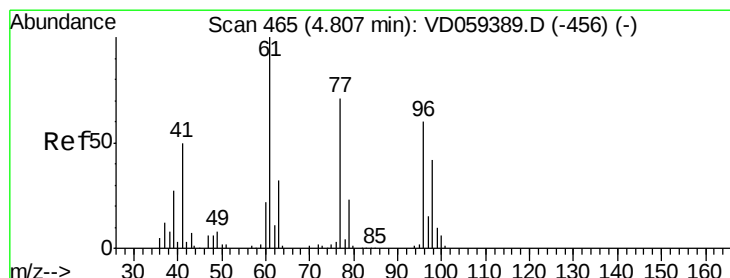
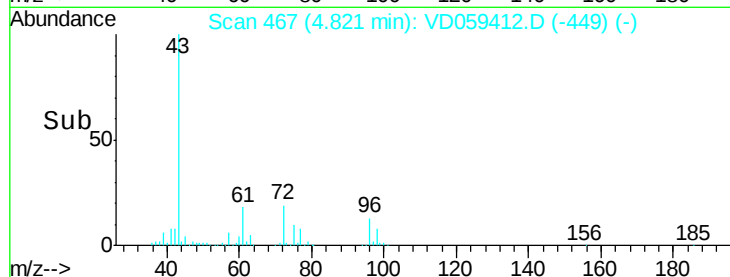
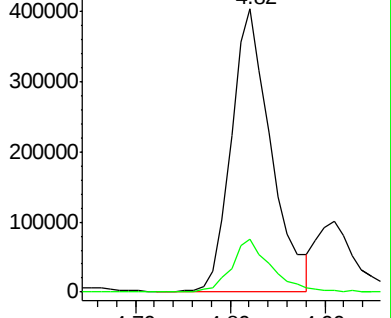
43 100

72 18.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.204 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059412.D

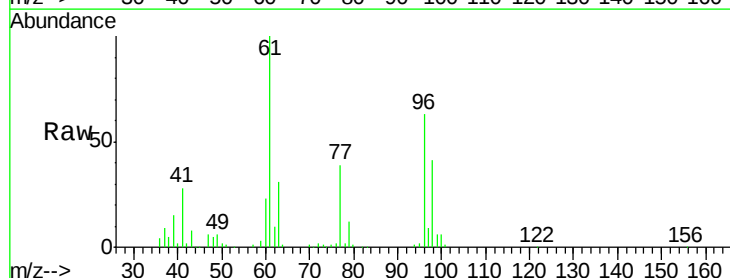
Acq: 25 Jun 2018 21:27

Tgt Ion: 77 Resp: 523753

Ion Ratio Lower Upper

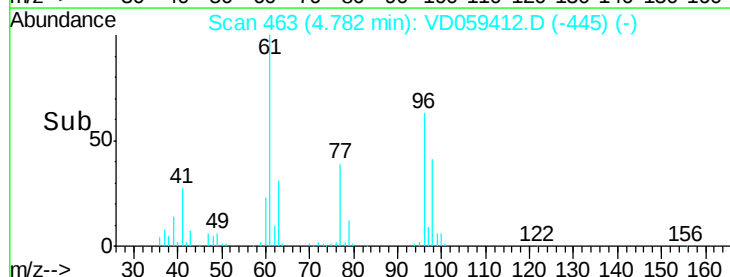
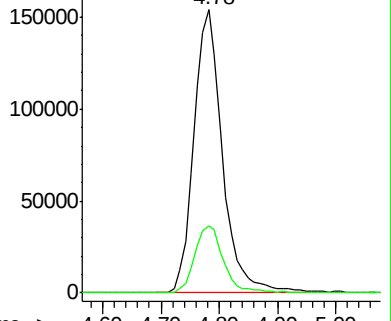
77 100

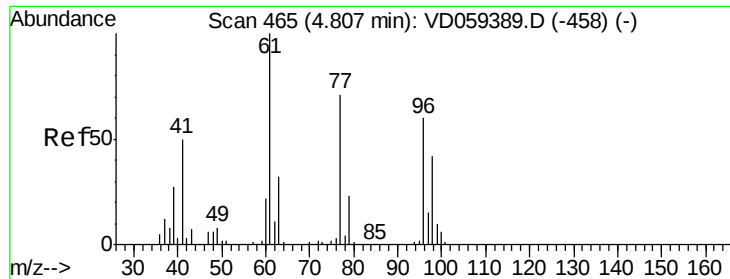
97 23.9 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



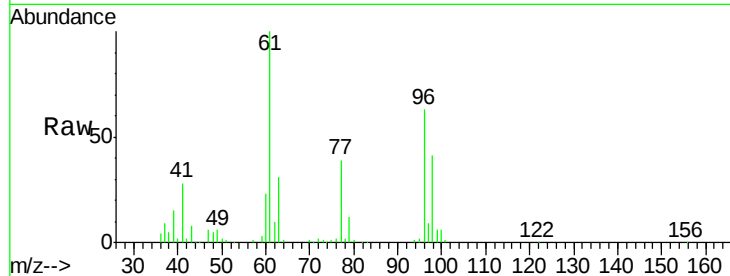


#27

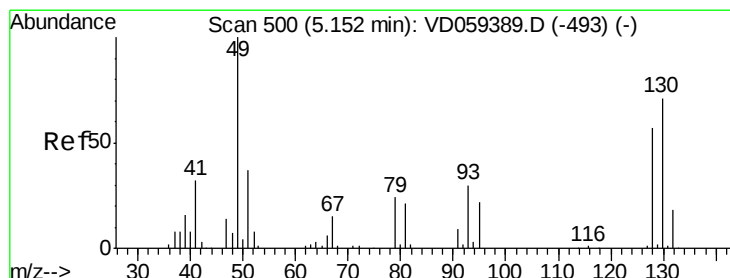
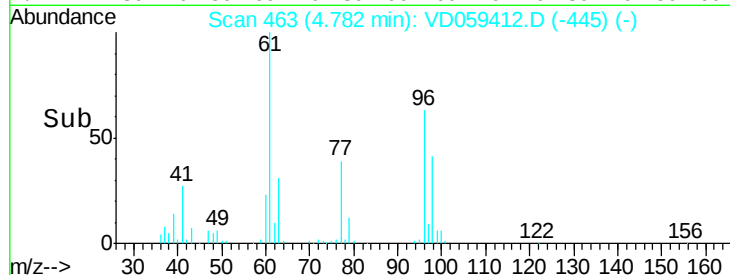
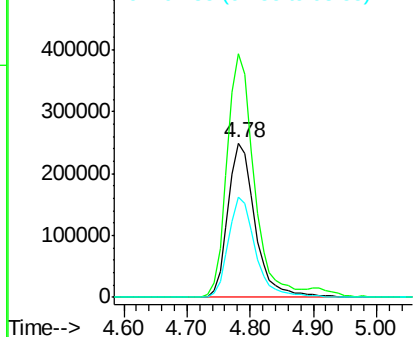
cis-1,2-Dichloroethene
 Concen: 91.529 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion: 96 Resp: 742394
 Ion Ratio Lower Upper
 96 100
 61 157.5 0.0 335.8
 98 65.1 0.0 141.0



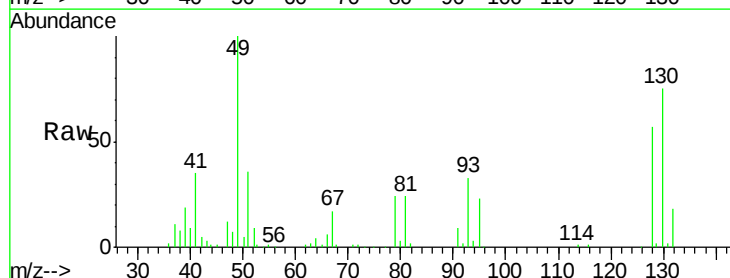
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



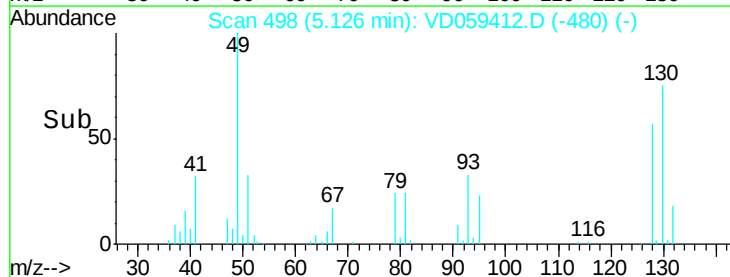
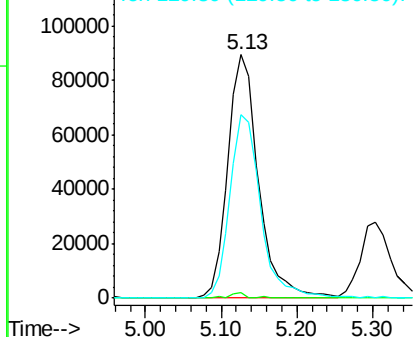
#28

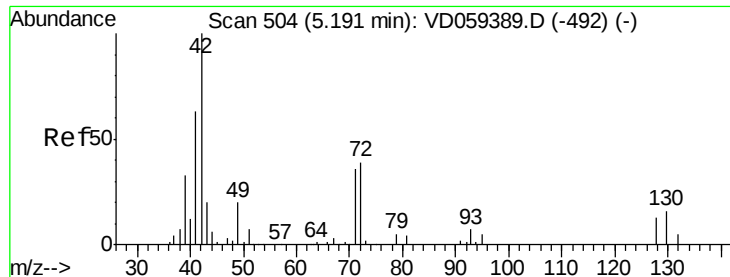
Bromochloromethane
 Concen: 43.123 ug/l
 RT: 5.13 min Scan# 498
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 49 Resp: 251501
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 75.3 57.0 85.6



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

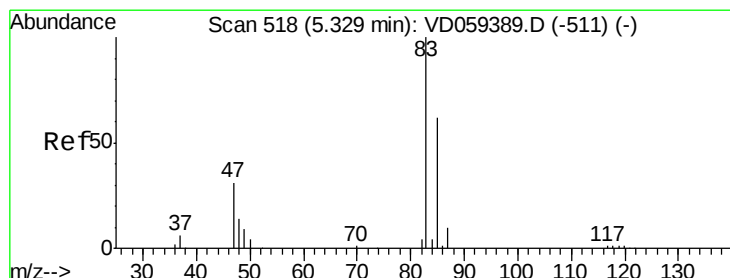
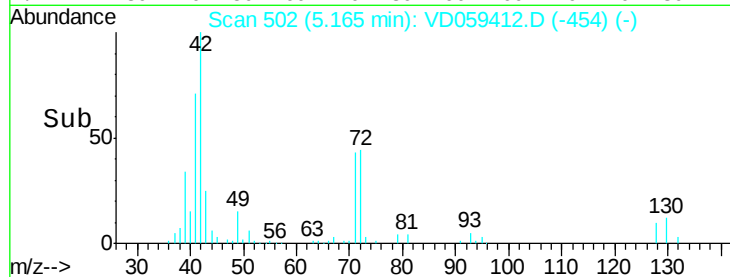
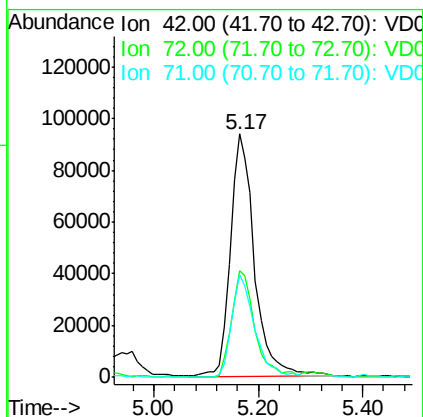
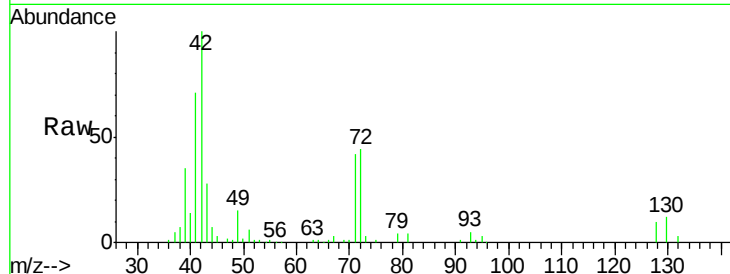




#29
Tetrahydrofuran
Concen: 242.136 ug/l
RT: 5.17 min Scan# 502
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

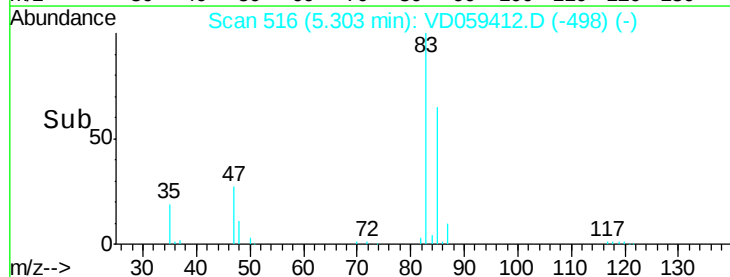
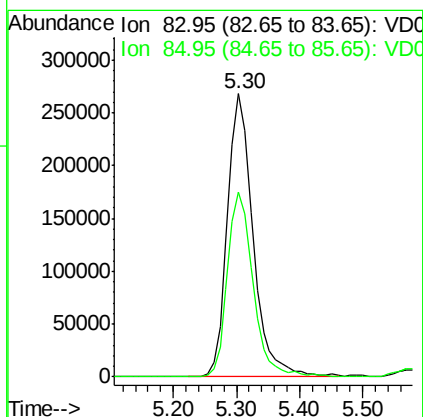
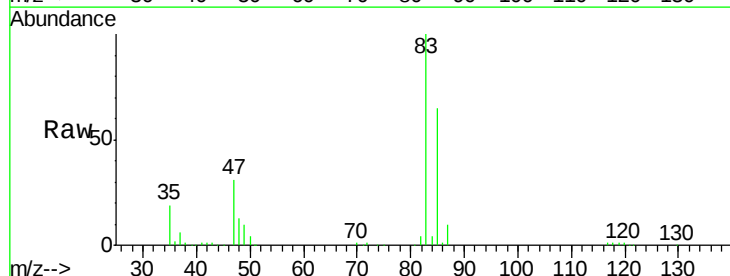
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

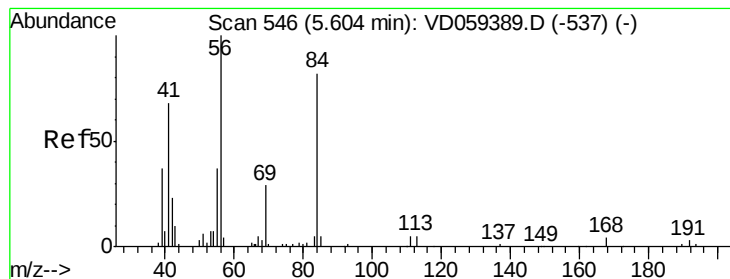
Tot Ion: 42 Resp: 296671
Ion Ratio Lower Upper
42 100
72 42.3 31.4 47.2
71 40.3 29.7 44.5



#30
Chloroform
Concen: 51.424 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 83 Resp: 754002
Ion Ratio Lower Upper
83 100
85 65.4 49.3 73.9





#31

Cyclohexane

Concen: 51.237 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

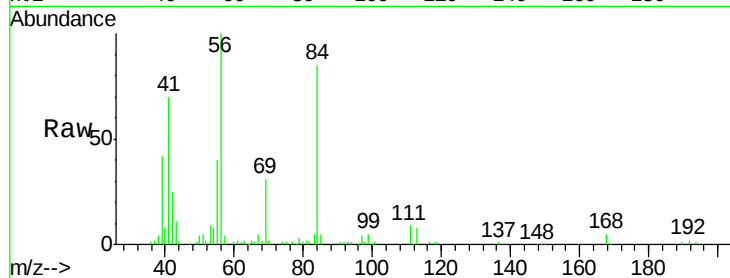
Tot Ion: 56 Resp: 453969

Ion Ratio Lower Upper

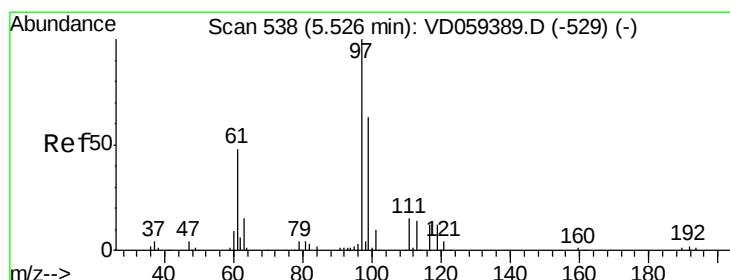
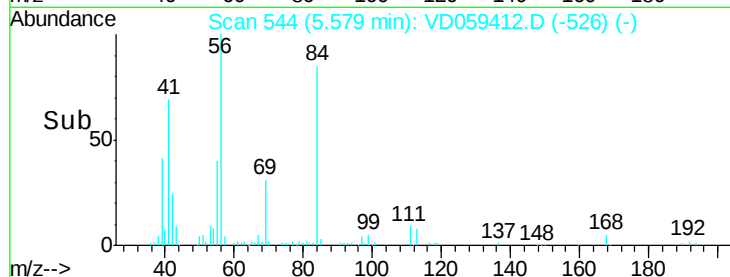
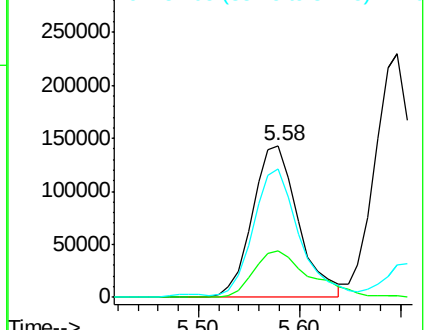
56 100

69 30.6 22.9 34.3

84 84.8 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 52.276 ug/l

RT: 5.49 min Scan# 535

Delta R.T. -0.04 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

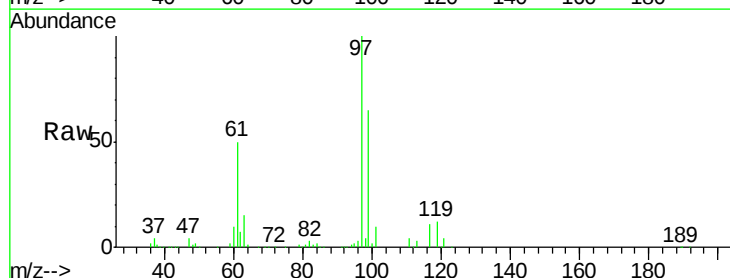
Tgt Ion: 97 Resp: 620698

Ion Ratio Lower Upper

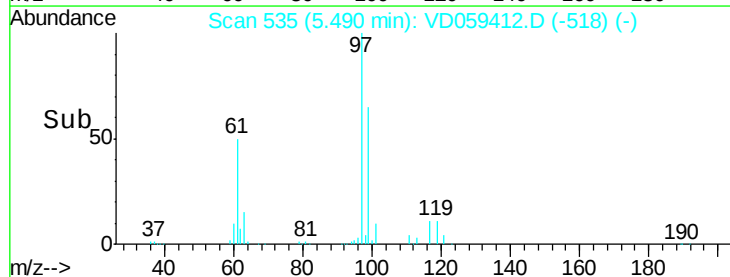
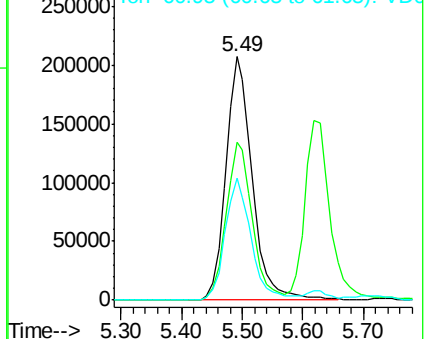
97 100

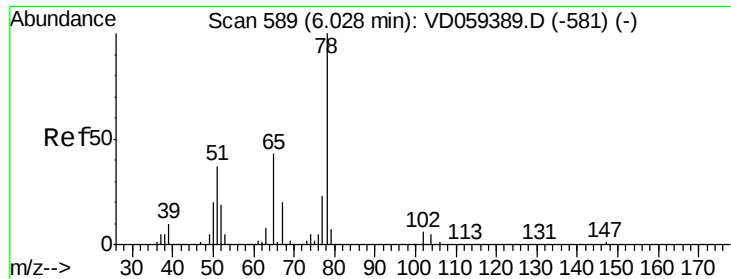
99 65.1 50.2 75.4

61 50.1 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 52.276 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

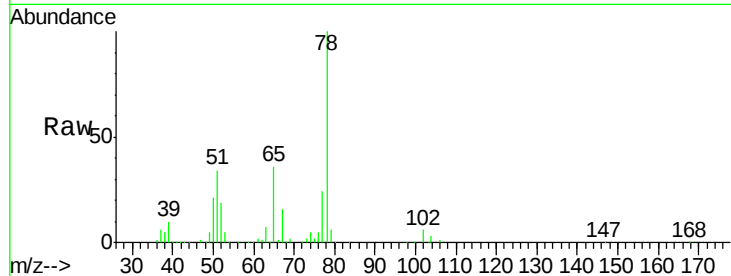
WP021SB472-13-15-180618MS

Tot Ion: 65 Resp: 370930

Ion Ratio Lower Upper

65 100

67 45.3 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

100000

50000

0

6.00

6.00

6.00

6.00

6.00

6.00

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6.00

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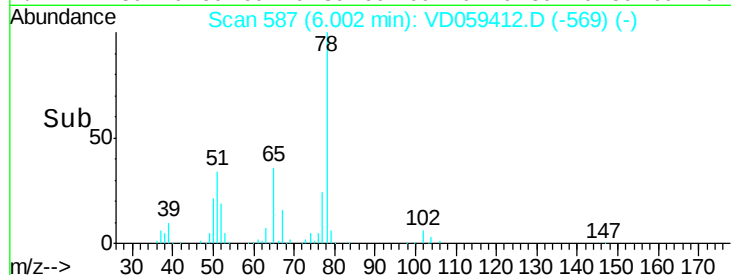
6.00

6.00

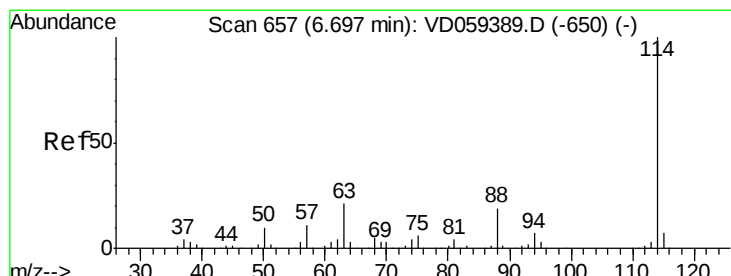
6.00

6.00

6.00



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 655

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

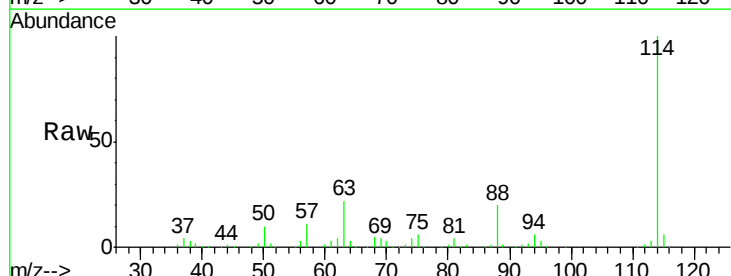
Tgt Ion: 114 Resp: 1045197

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 20.4 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

200000

100000

0

6.67

6.67

6.67

6.67

6.67

6.67

6.67

6.67

6.67

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6.67

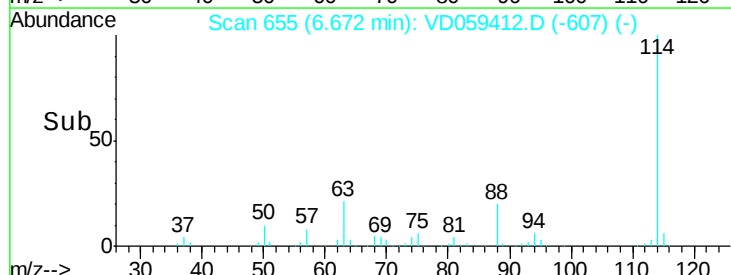
6.67

6.67

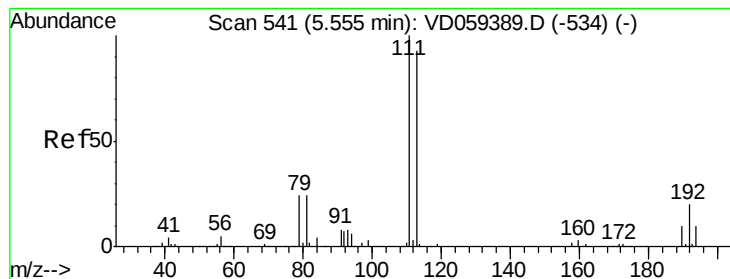
6.67

6.67

6.67



Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

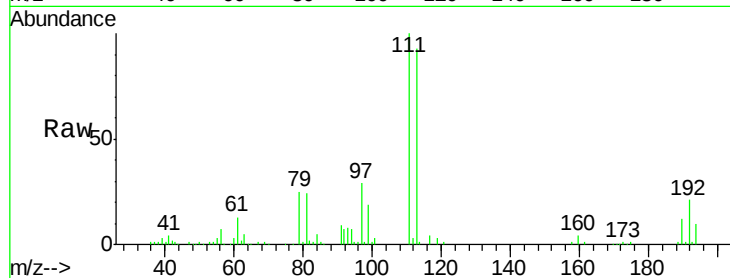
Tot Ion:113 Resp: 377119

Ion Ratio Lower Upper

113 100

111 107.2 85.7 128.5

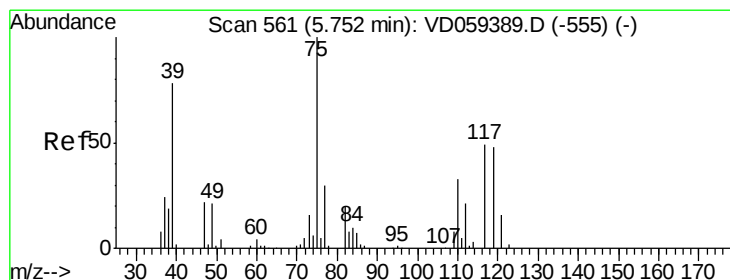
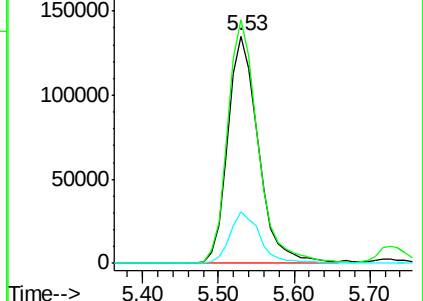
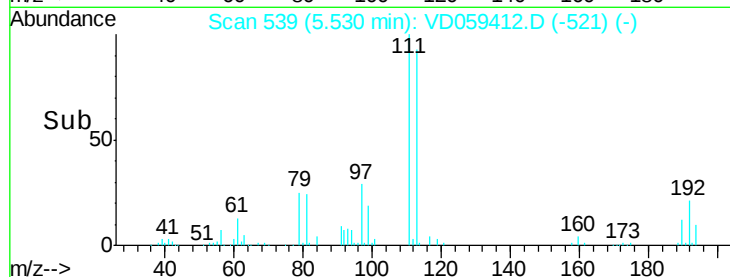
192 22.6 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.503 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

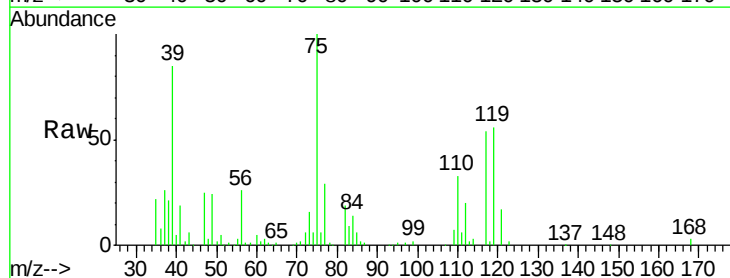
Tgt Ion: 75 Resp: 469355

Ion Ratio Lower Upper

75 100

110 33.3 16.1 48.2

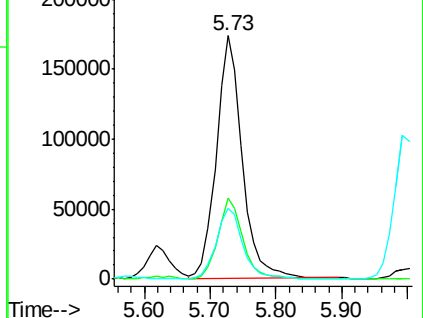
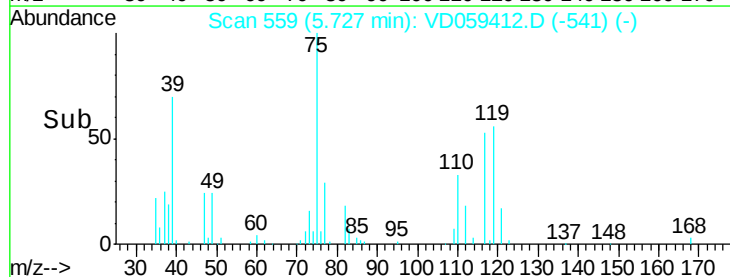
77 29.3 23.4 35.2

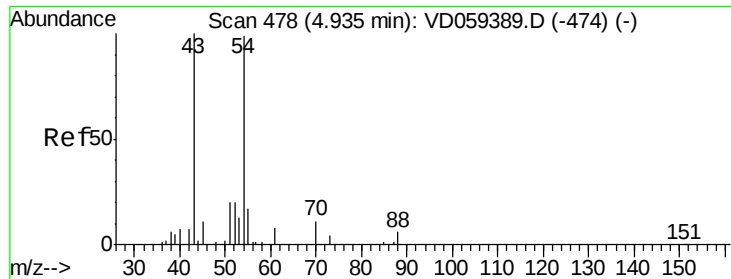


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

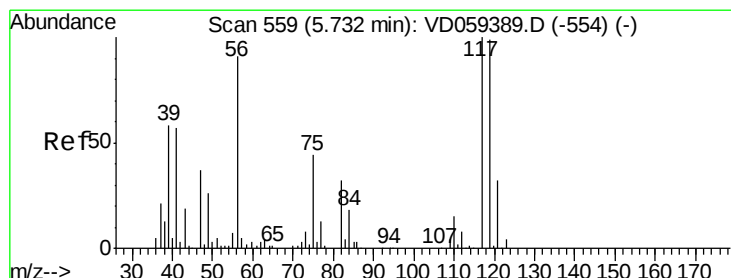
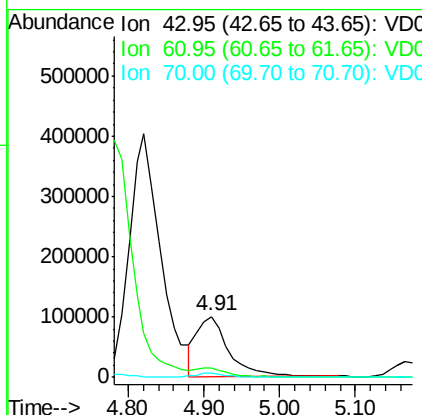
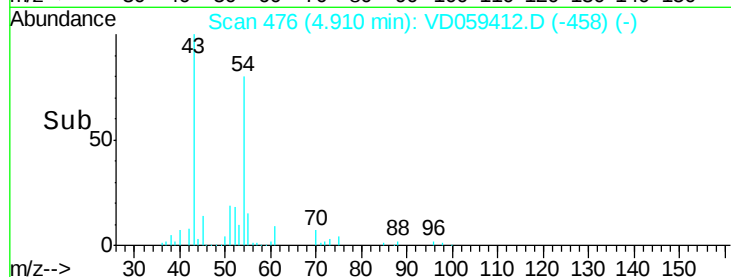
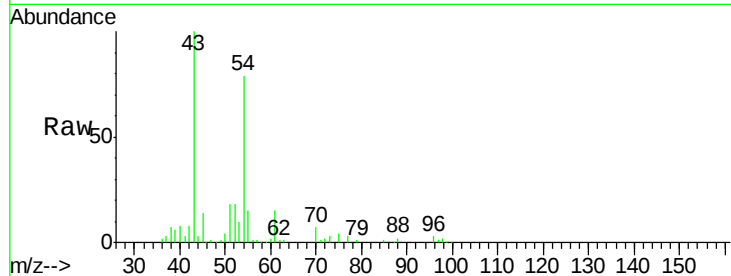




#37
Ethyl Acetate
Concen: 49.978 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

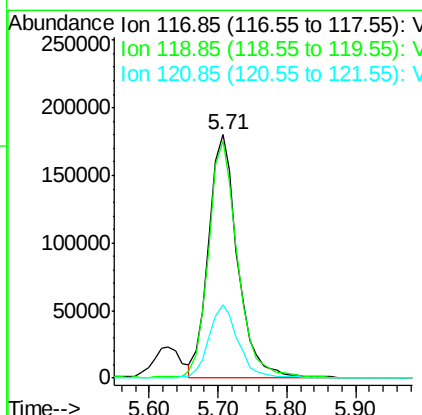
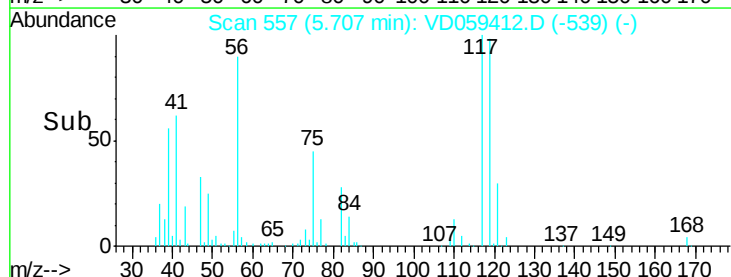
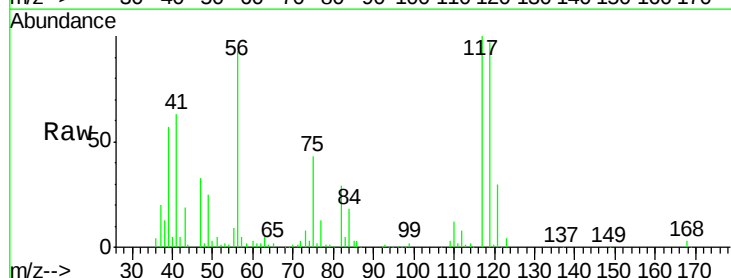
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

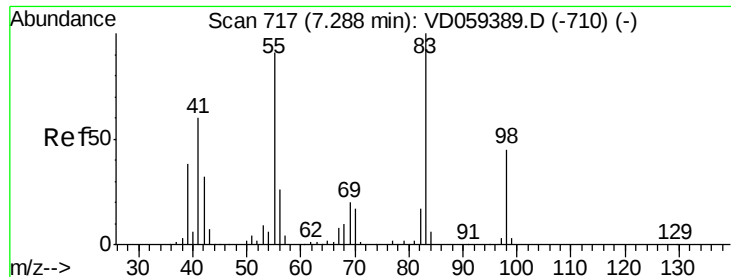
Tot Ion: 43 Resp: 288578
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 7.2 6.1 9.1



#38
Carbon Tetrachloride
Concen: 53.488 ug/l
RT: 5.71 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 117 Resp: 522869
Ion Ratio Lower Upper
117 100
119 97.4 76.6 115.0
121 30.4 25.0 37.4





#39

Methvlcvclohexane

Concen: 52.192 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

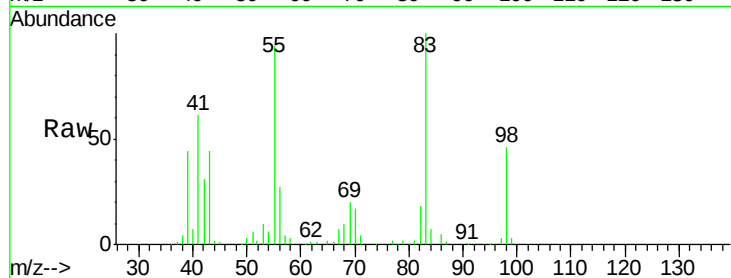
Tot Ion: 83 Resp: 469338

Ion Ratio Lower Upper

83 100

55 93.8 72.6 109.0

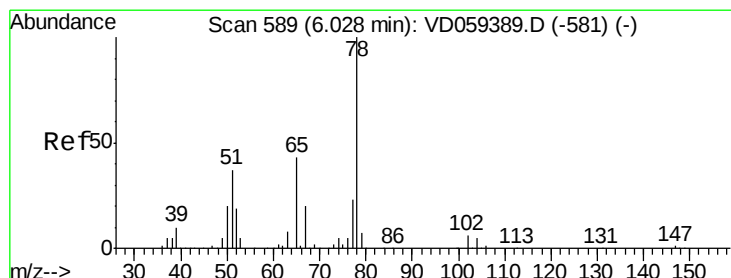
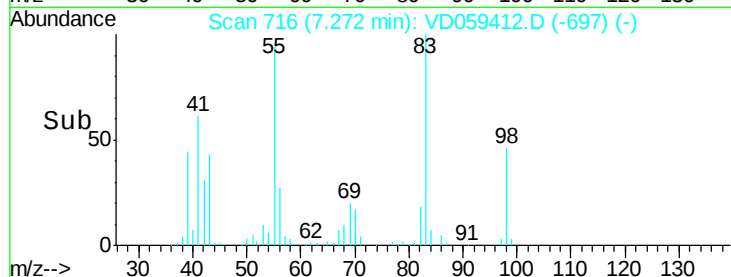
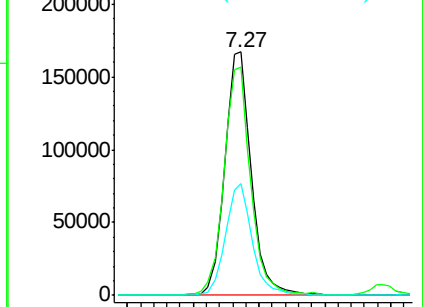
98 46.0 35.8 53.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.978 ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.04 min

Lab File: VD059412.D

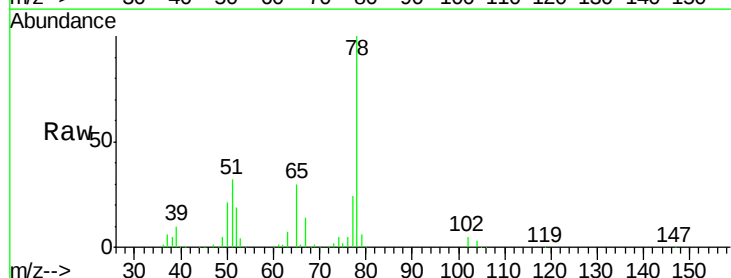
Acq: 25 Jun 2018 21:27

Tgt Ion: 78 Resp: 1182649

Ion Ratio Lower Upper

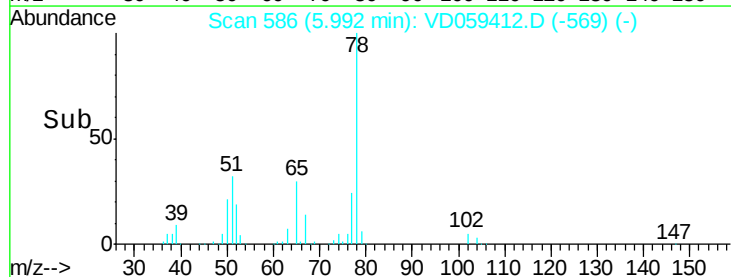
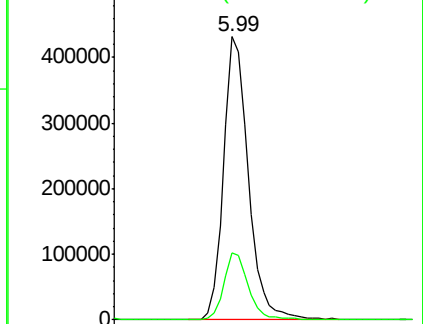
78 100

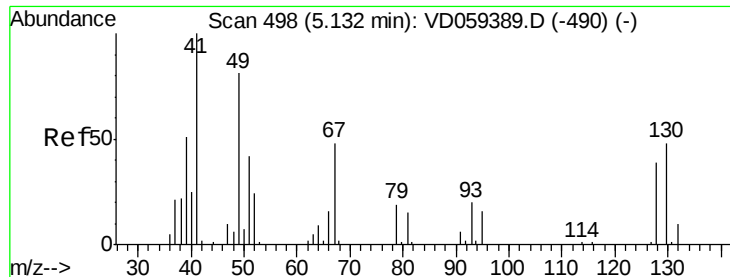
77 23.9 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

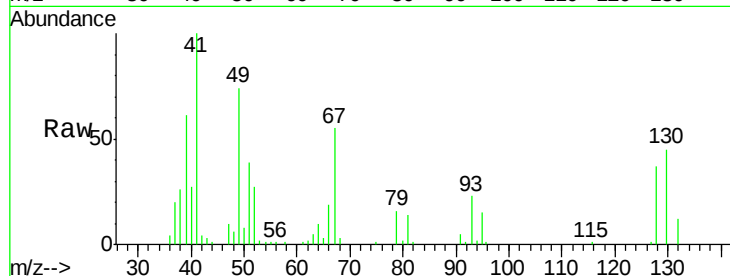




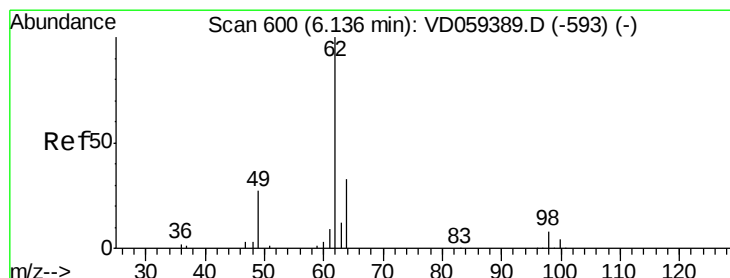
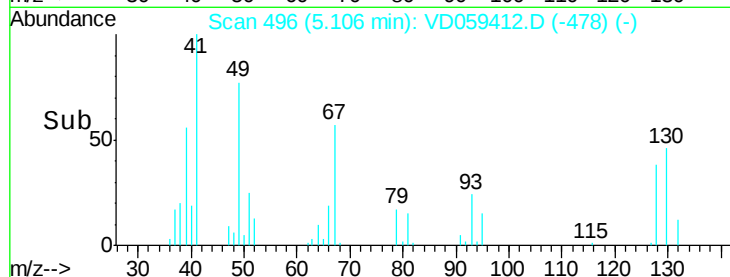
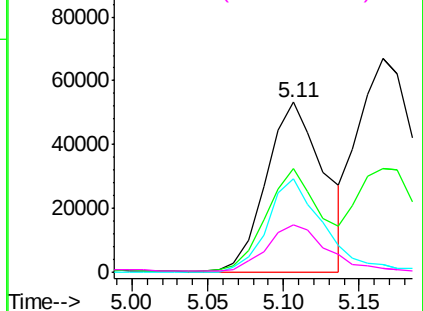
#41
Methacrylonitrile
Concen: 51.286 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:	41	Resp:	142633
Ion	Ratio	Lower	Upper
41	100		
39	61.1	41.5	62.3
67	55.3	38.7	58.1
52	27.5	19.4	29.2

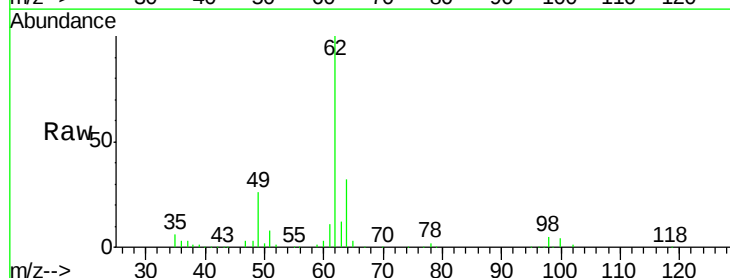


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

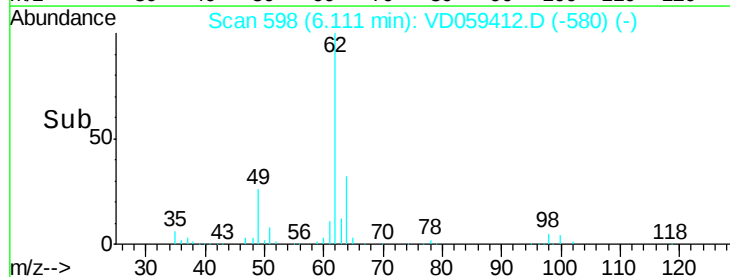
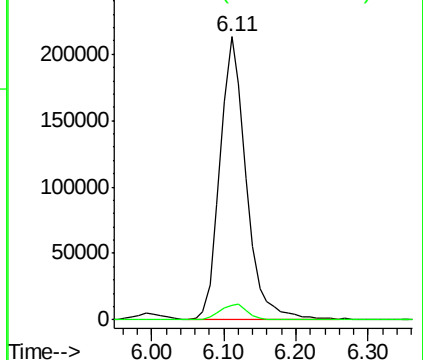


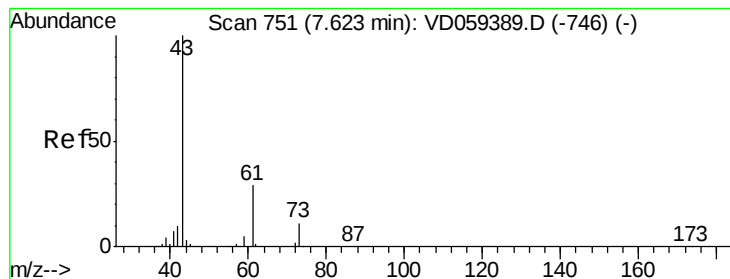
#42
1,2-Dichloroethane
Concen: 53.001 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:	62	Resp:	532848
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 52.171 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

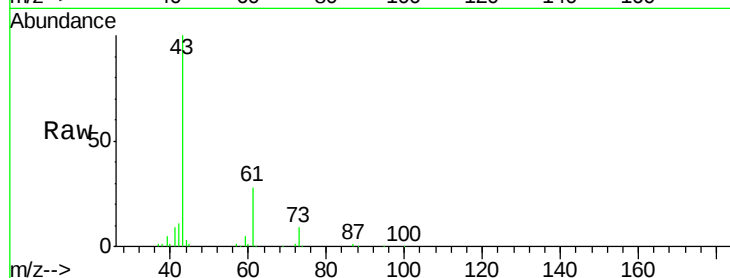
Tot Ion: 43 Resp: 378303

Ion Ratio Lower Upper

43 100

61 28.4 23.1 34.7

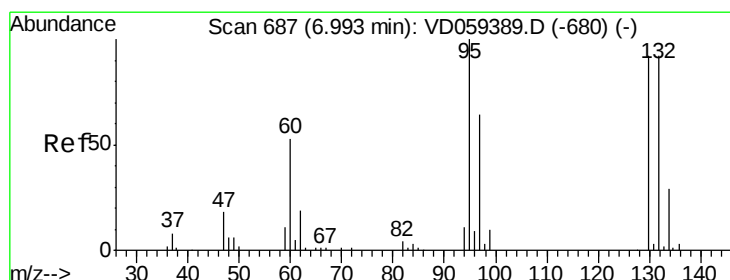
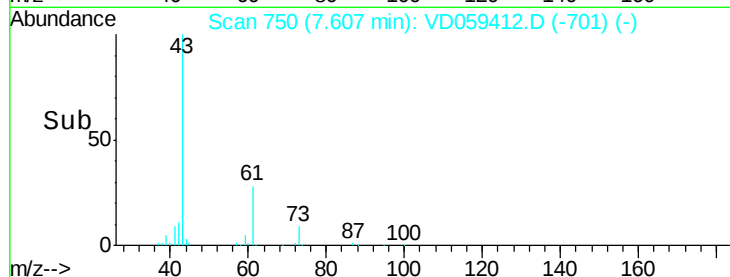
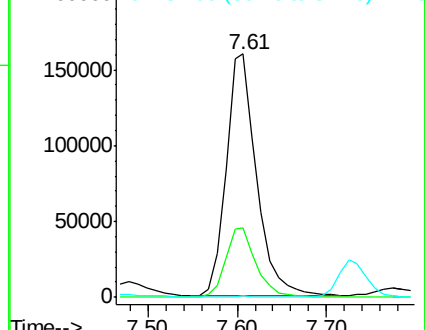
87 0.6 0.2 0.4#



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: 52.962 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD059412.D

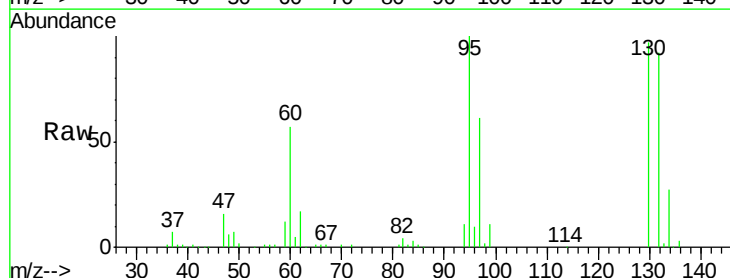
Acq: 25 Jun 2018 21:27

Tgt Ion:130 Resp: 394560

Ion Ratio Lower Upper

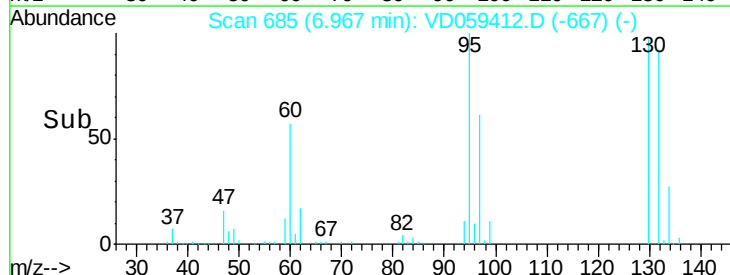
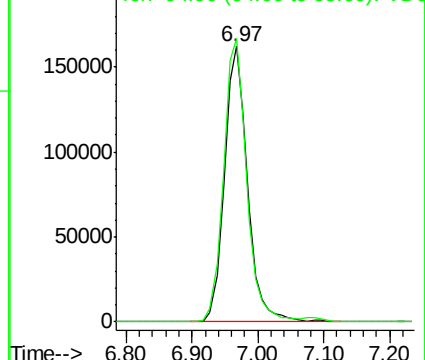
130 100

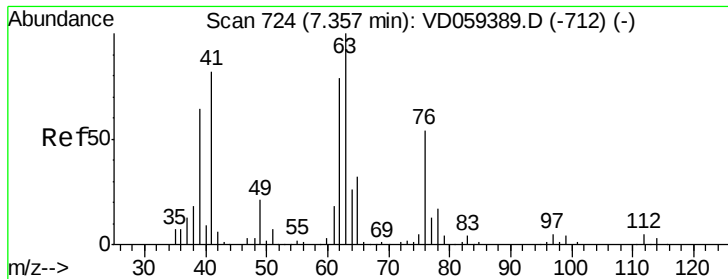
95 102.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.754 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

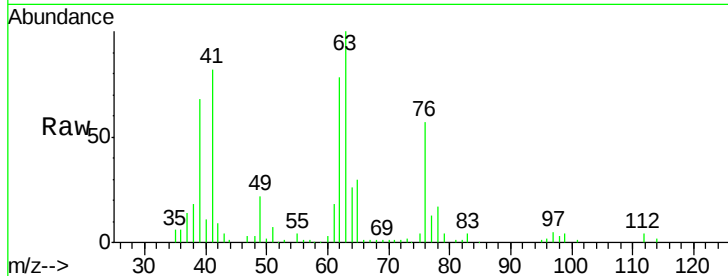
WP021SB472-13-15-180618MS

Tot Ion: 63 Resp: 313540

Ion Ratio Lower Upper

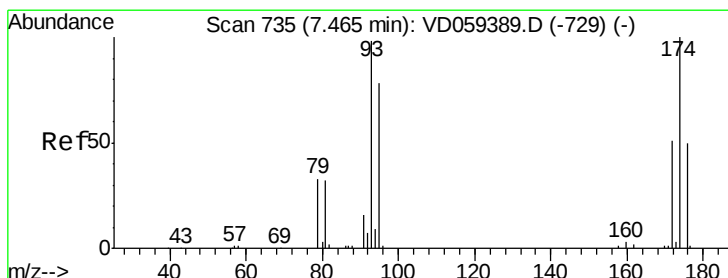
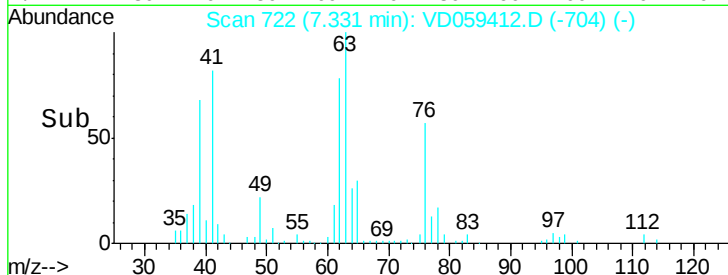
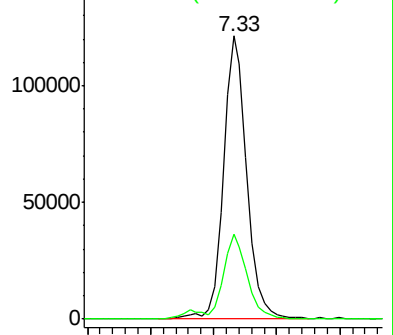
63 100

65 30.3 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.068 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

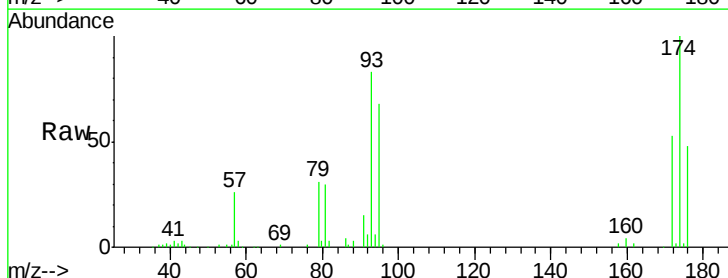
Tgt Ion: 93 Resp: 231443

Ion Ratio Lower Upper

93 100

95 81.3 63.4 95.0

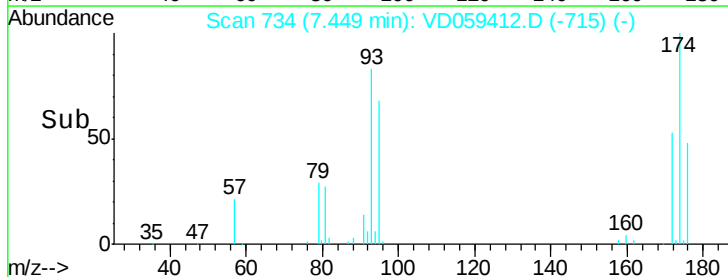
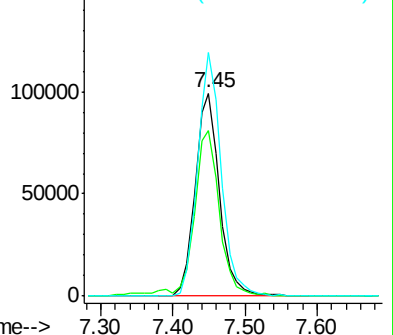
174 119.8 81.4 122.2

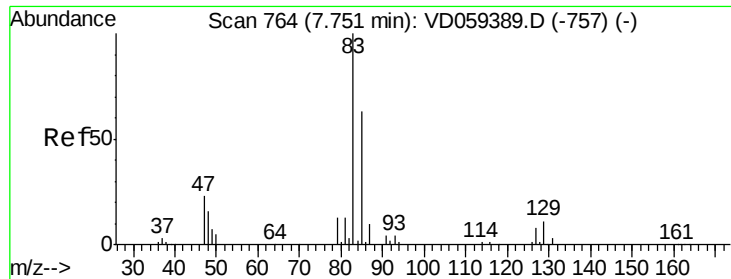


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.071 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

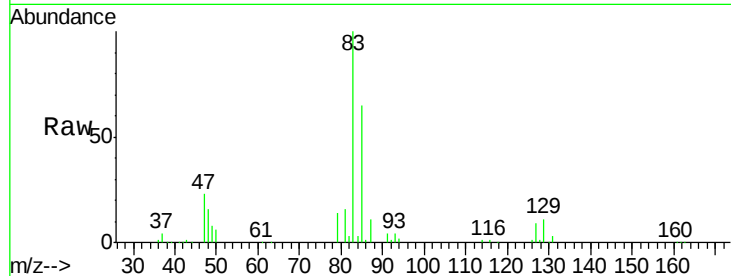
Tot Ion: 83 Resp: 538186

Ion Ratio Lower Upper

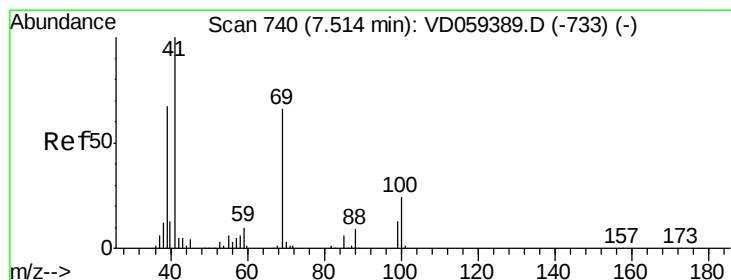
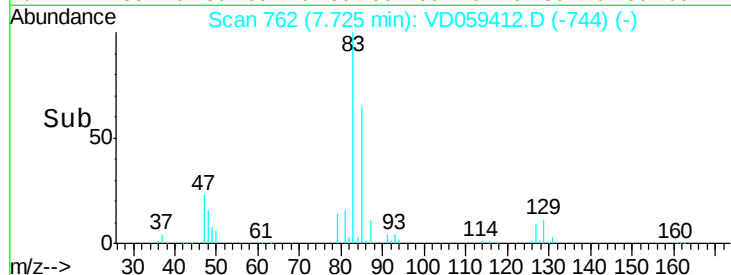
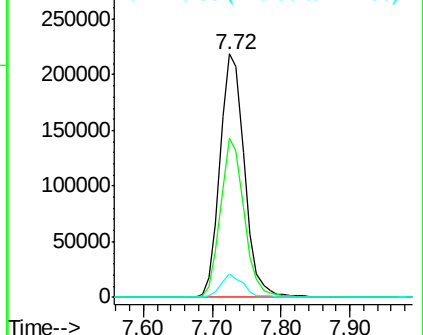
83 100

85 65.3 50.1 75.1

127 9.4 6.1 9.1#



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



#48

Methyl methacrylate

Concen: 53.717 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

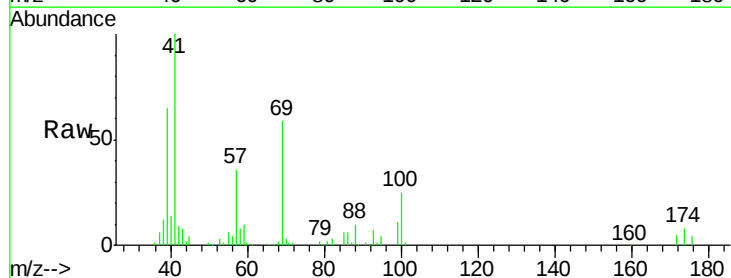
Tgt Ion: 41 Resp: 237311

Ion Ratio Lower Upper

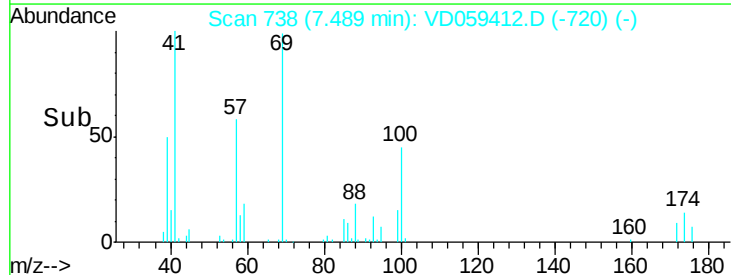
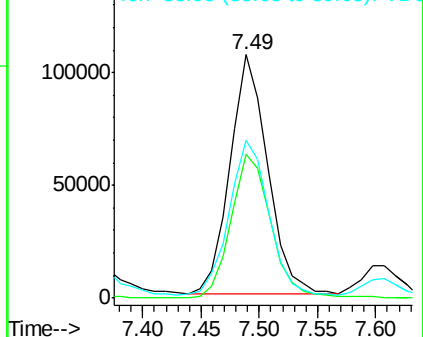
41 100

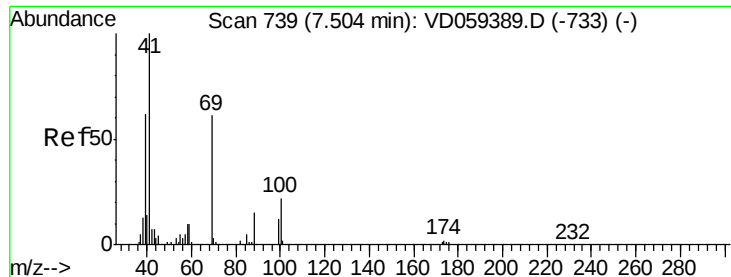
69 58.8 52.6 79.0

39 64.6 53.6 80.4



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

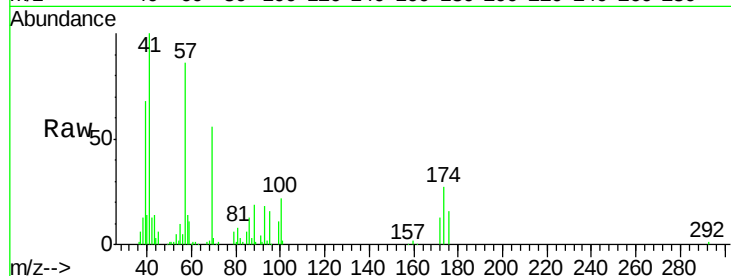




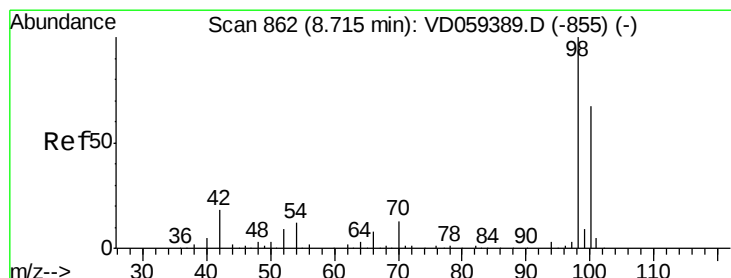
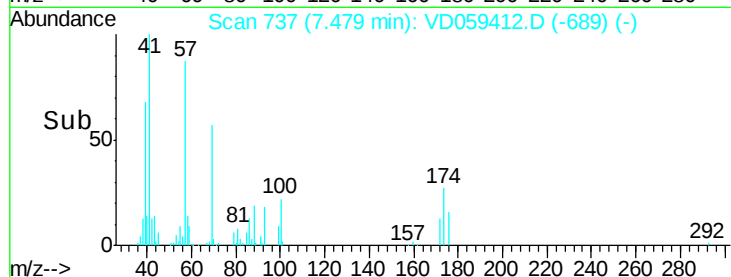
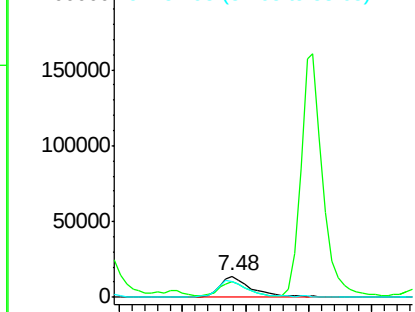
#49
1,4-Dioxane
Concen: 1102.290 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion: 88 Resp: 48838
Ion Ratio Lower Upper
88 100
43 76.4 41.0 61.4#
58 76.2 53.4 80.0

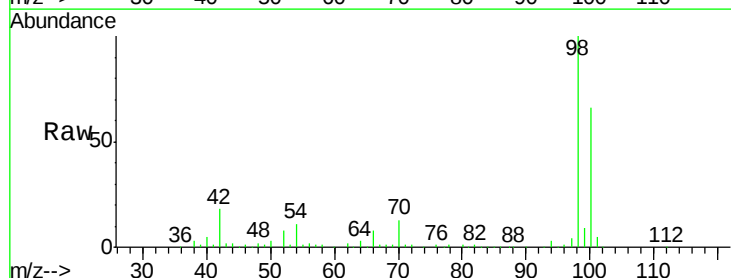


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

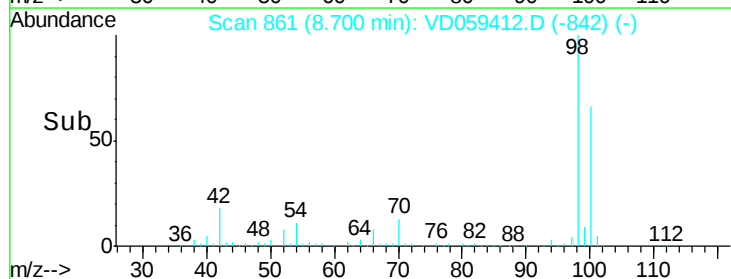
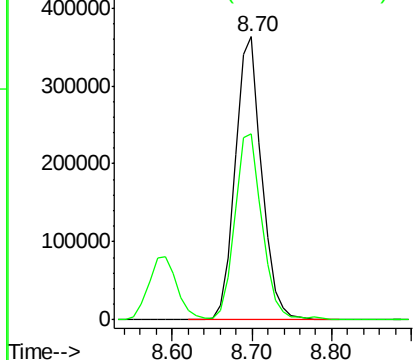


#50
Toluene-d8
Concen: 1102.290 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 98 Resp: 837455
Ion Ratio Lower Upper
98 100
100 65.8 54.4 81.6



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





#51

4-Methyl-2-Pentanone

Concen: 400.608 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

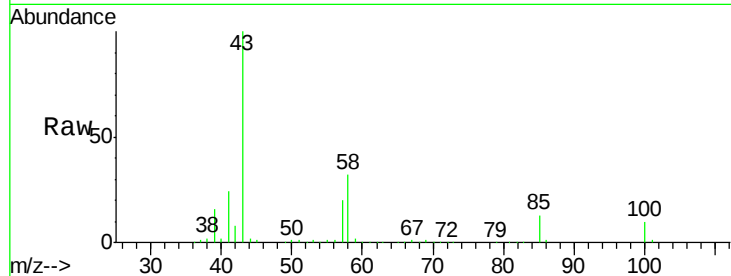
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 1935732

Ion Ratio Lower Upper

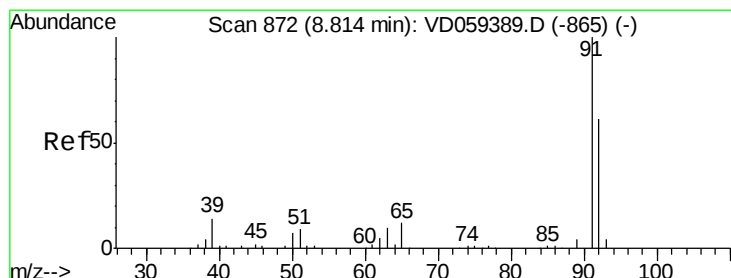
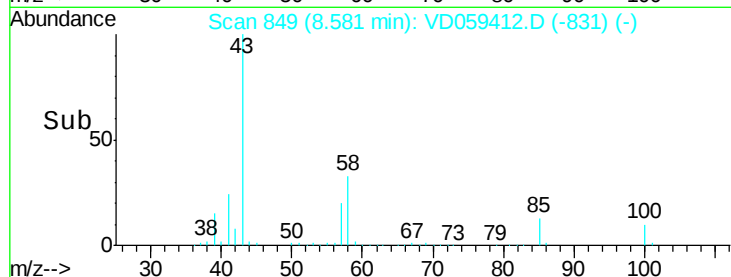
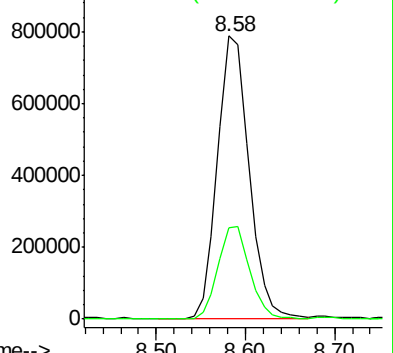
43 100

58 32.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 55.847 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.03 min

Lab File: VD059412.D

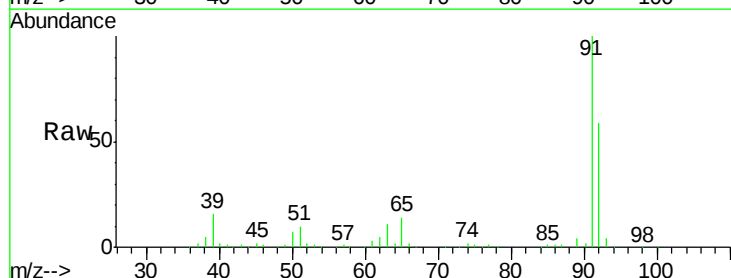
Acq: 25 Jun 2018 21:27

Tgt Ion: 92 Resp: 758899

Ion Ratio Lower Upper

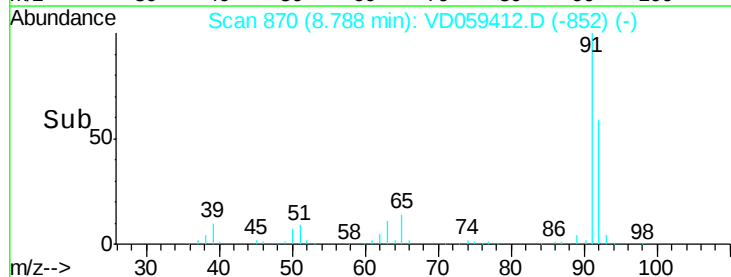
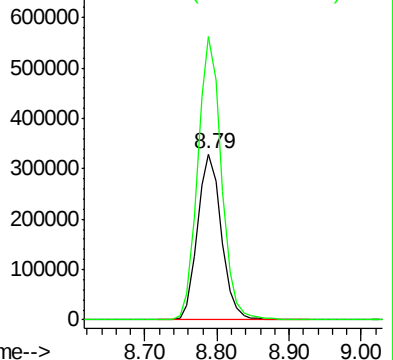
92 100

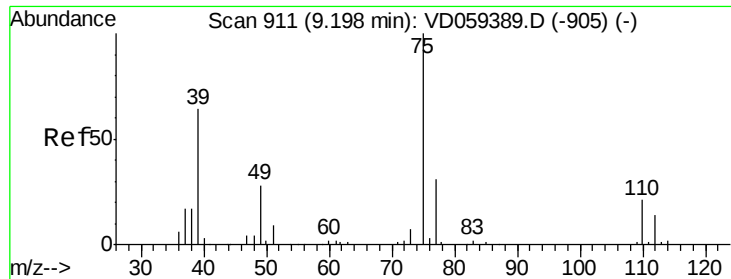
91 170.7 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

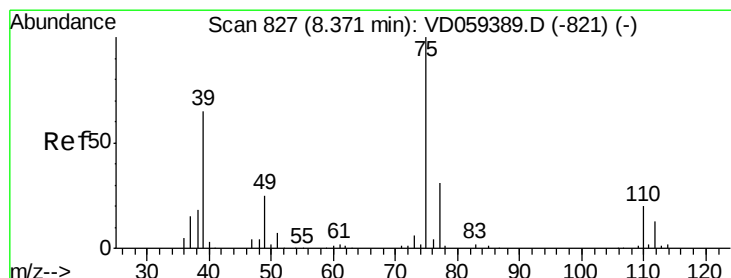
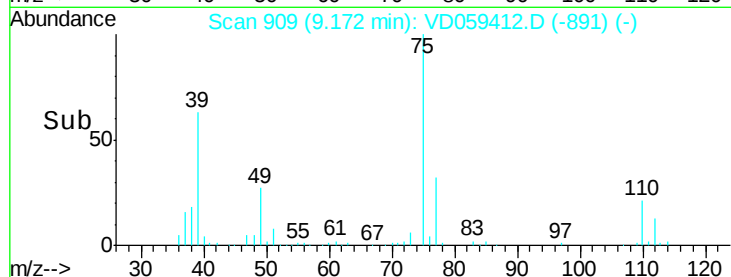
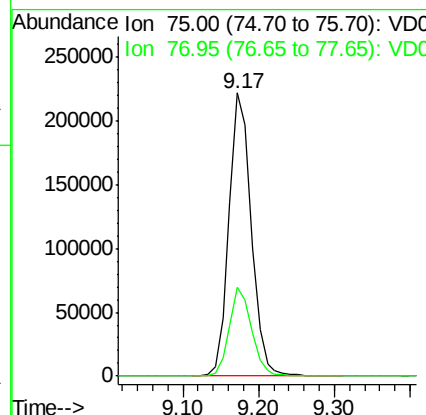
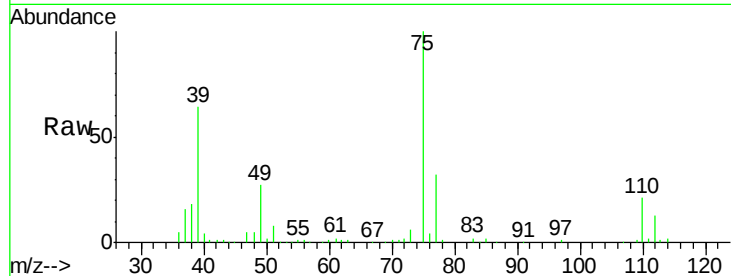




#53
 t-1,3-Dichloropropene
 Concen: 53.457 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

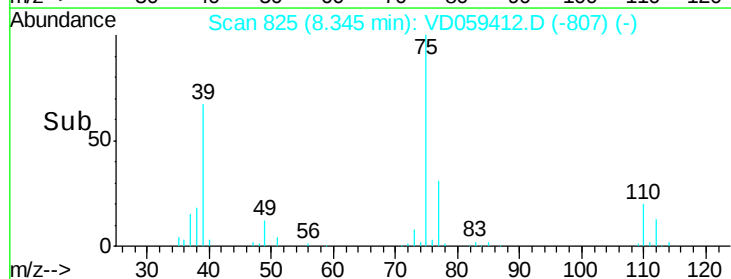
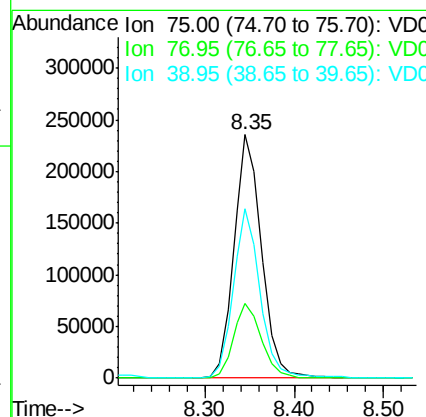
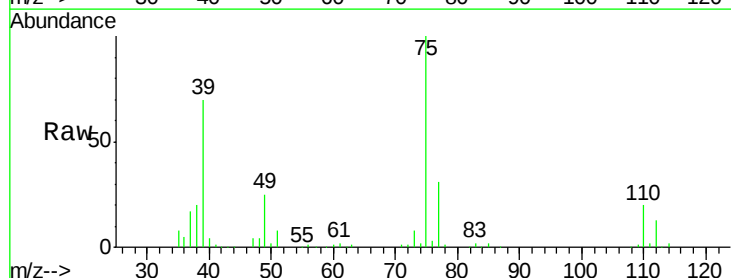
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

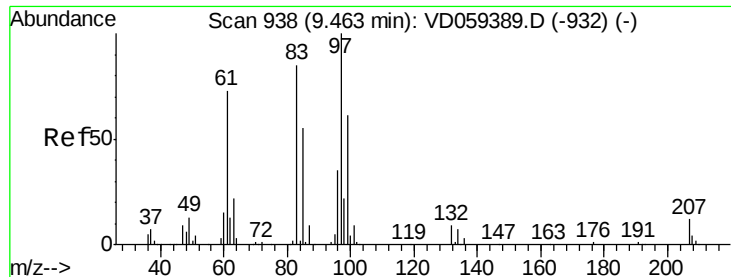
Tot Ion: 75 Resp: 453000
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 51.964 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 75 Resp: 509874
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1
 39 69.8 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 54.556 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 97 Resp: 269157

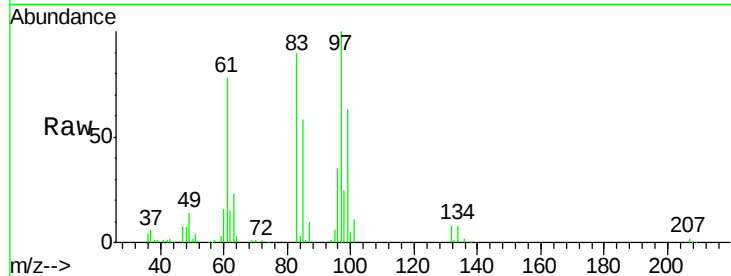
Ion Ratio Lower Upper

97 100

83 89.7 67.7 101.5

85 57.8 44.3 66.5

99 62.5 48.6 73.0

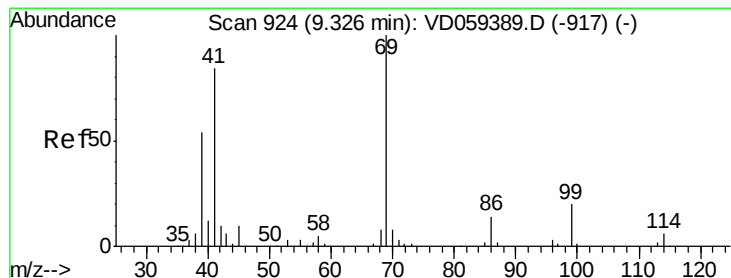
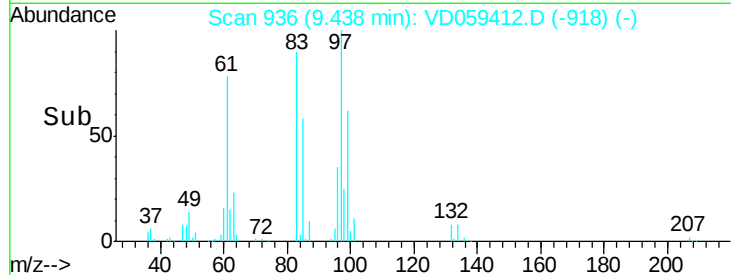
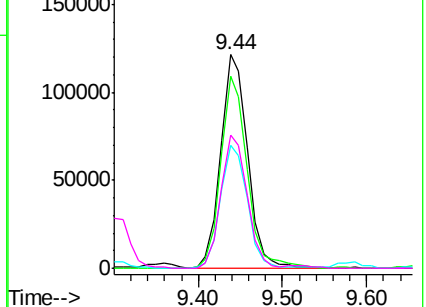


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.969 ug/l

RT: 9.30 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

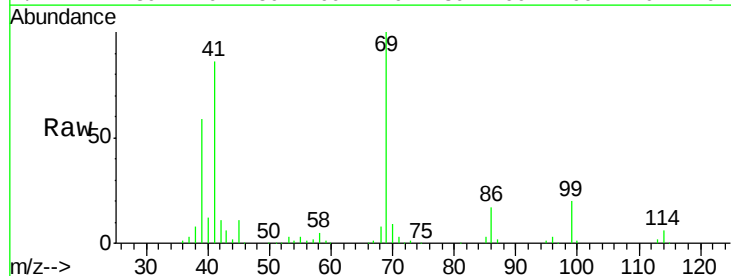
Tgt Ion: 69 Resp: 303830

Ion Ratio Lower Upper

69 100

41 85.6 67.4 101.0

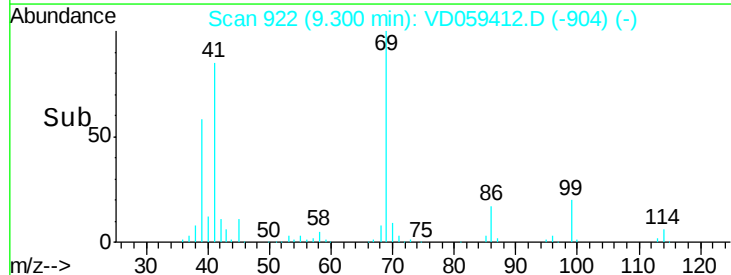
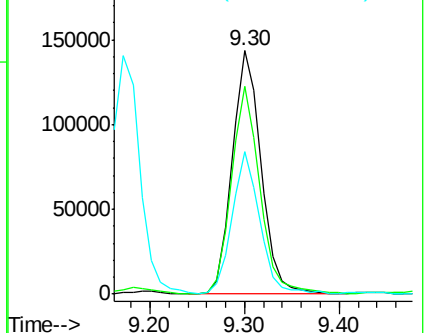
39 58.6 43.7 65.5

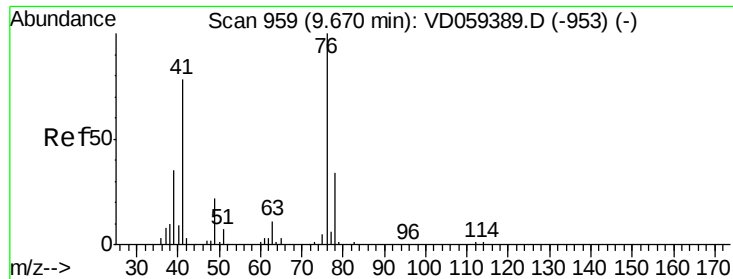


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

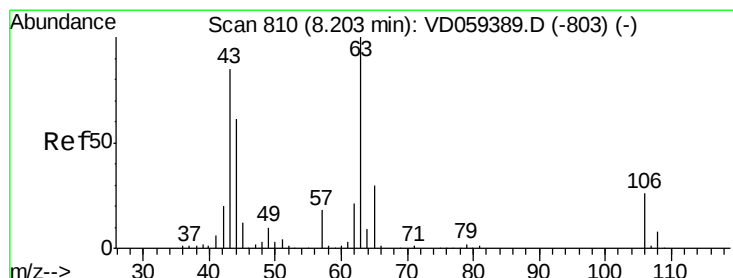
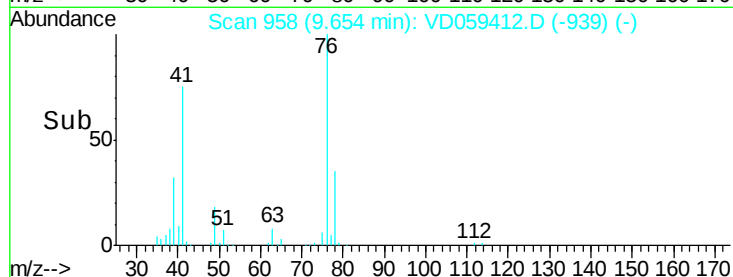
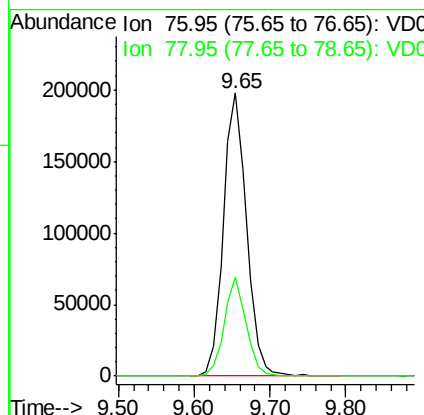
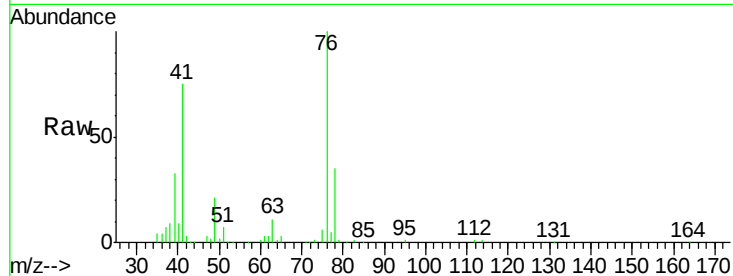




#57
 1,3-Dichloropropane
 Concen: 52.045 ug/l
 RT: 9.65 min Scan# 958
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

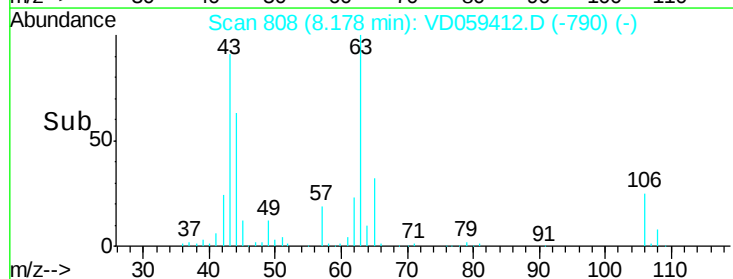
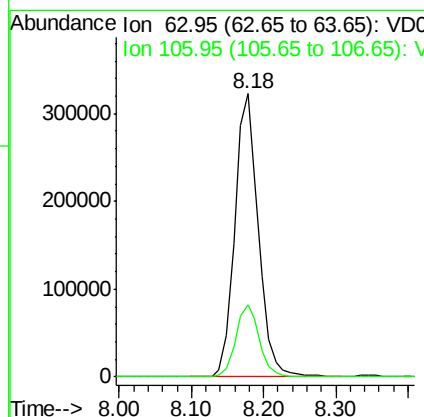
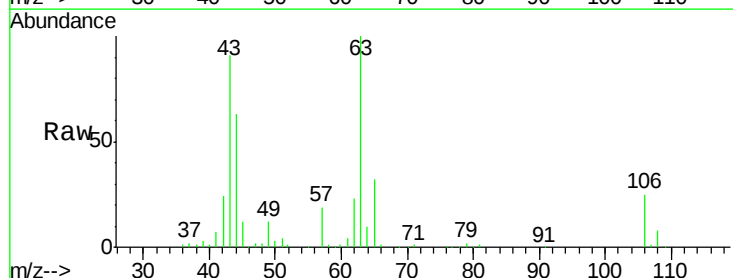
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

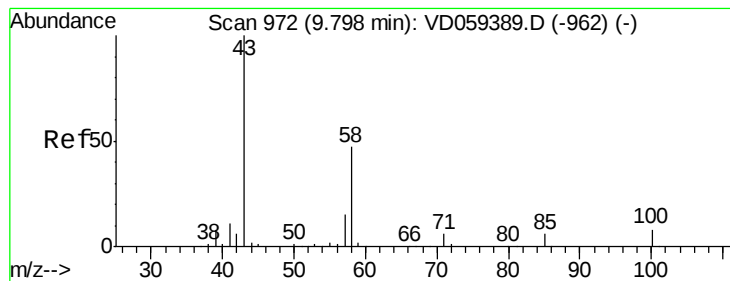
Tot Ion: 76 Resp: 419947
 Ion Ratio Lower Upper
 76 100
 78 35.2 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.396 ug/l
 RT: 8.18 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 63 Resp: 734372
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.6 31.0





#59

2-Hexanone

Concen: 299.290 ug/l

RT: 9.77 min Scan# 970

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

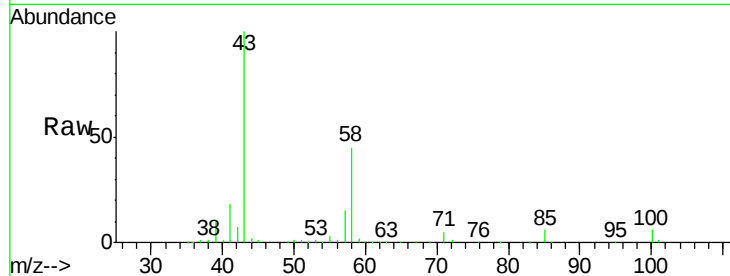
WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 1027835

Ion Ratio Lower Upper

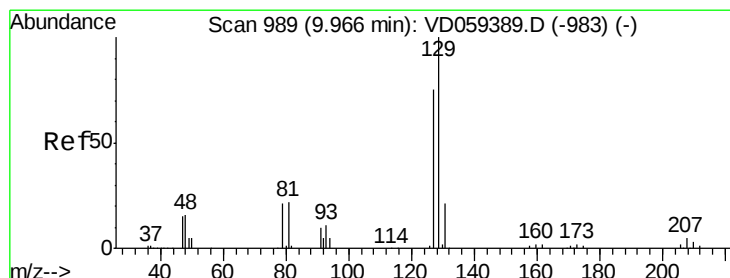
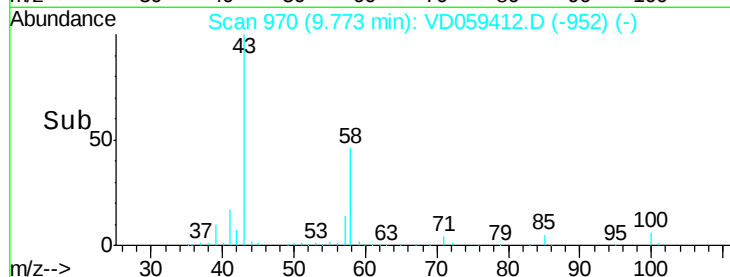
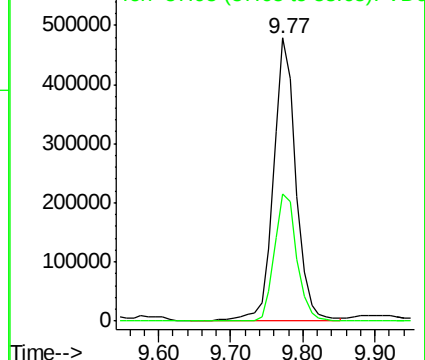
43 100

58 45.0 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 54.280 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.02 min

Lab File: VD059412.D

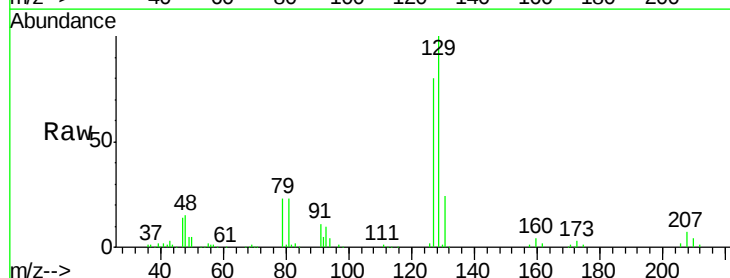
Acq: 25 Jun 2018 21:27

Tgt Ion:129 Resp: 375008

Ion Ratio Lower Upper

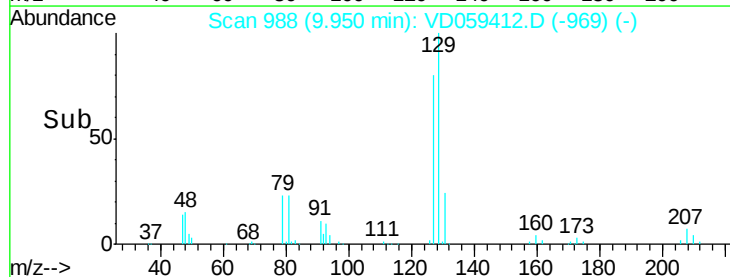
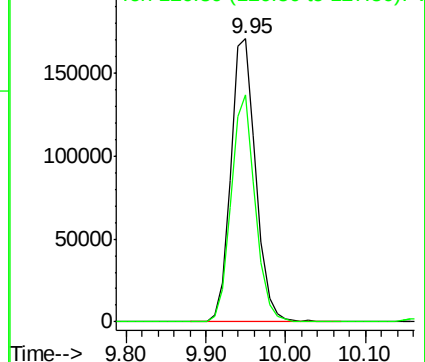
129 100

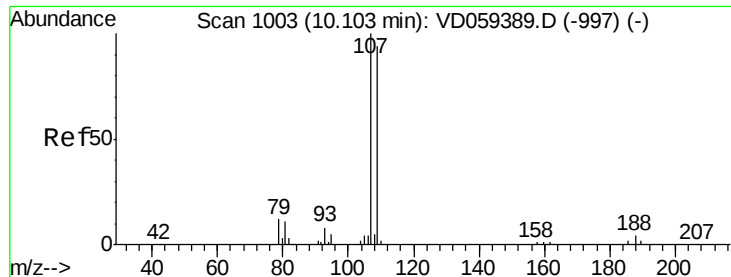
127 80.3 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.204 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.03 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

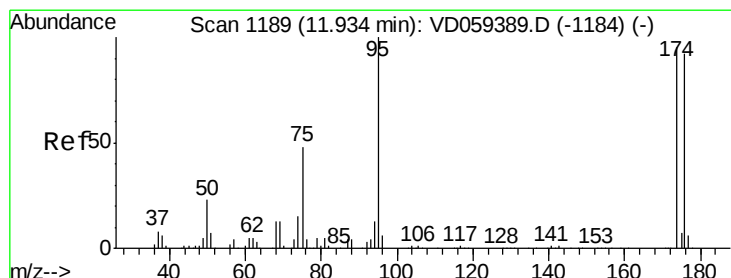
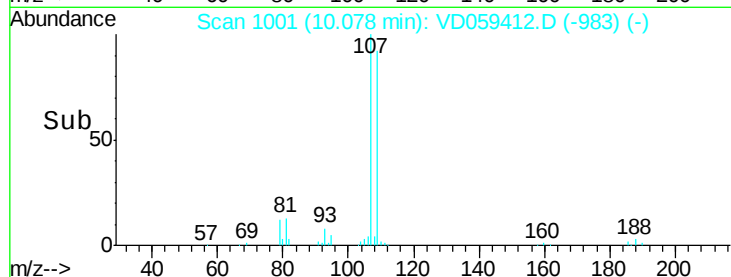
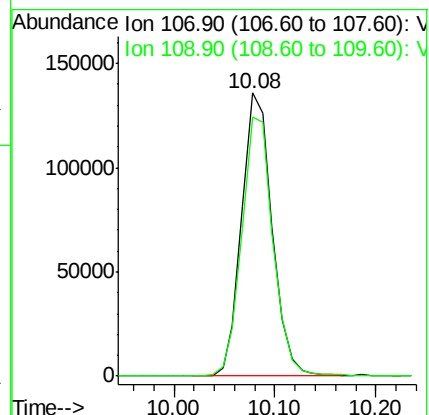
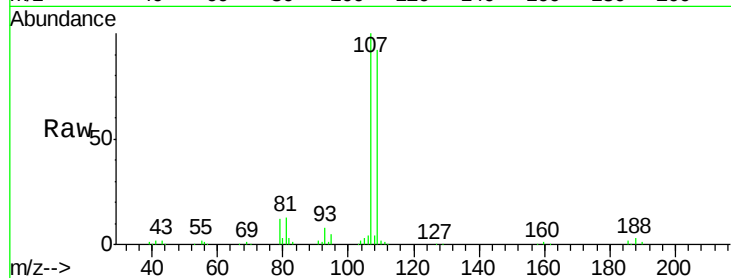
WP021SB472-13-15-180618MS

Tot Ion:107 Resp: 286806

Ion Ratio Lower Upper

107 100

109 91.7 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 52.204 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

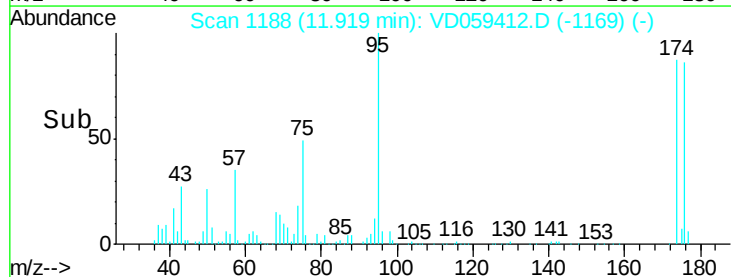
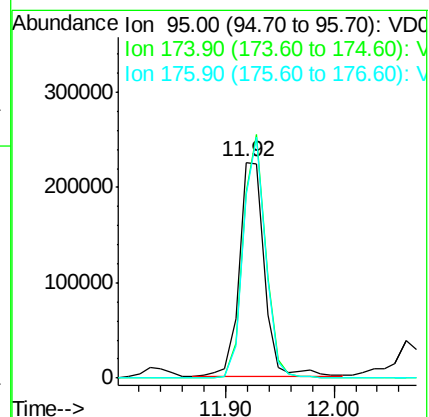
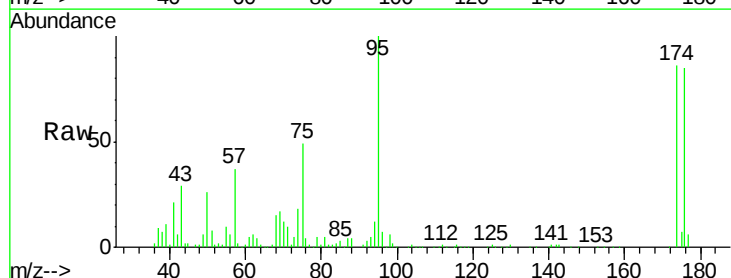
Tgt Ion: 95 Resp: 368605

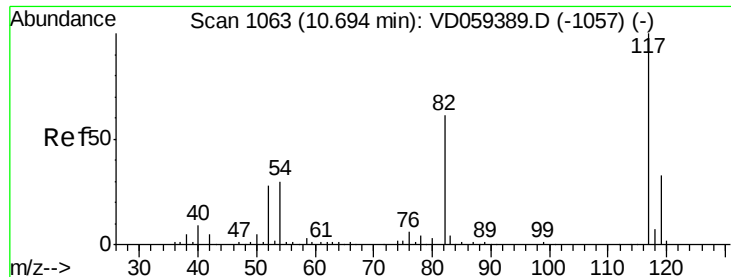
Ion Ratio Lower Upper

95 100

174 86.2 0.0 190.4

176 85.1 0.0 183.2

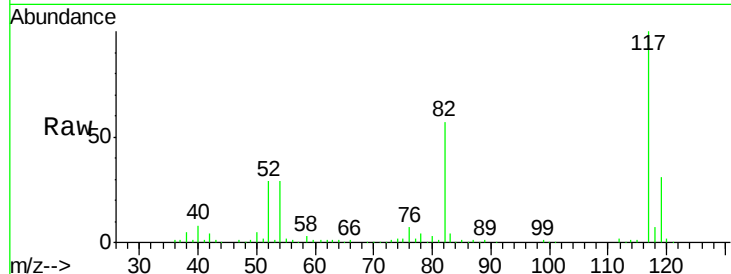




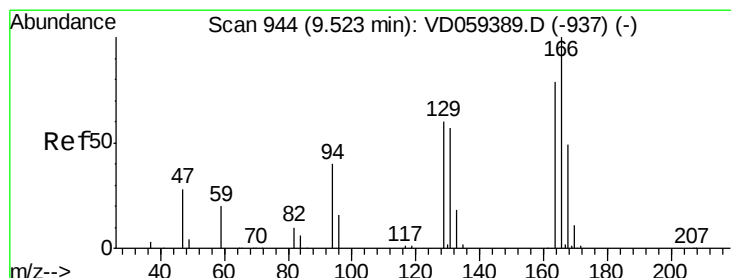
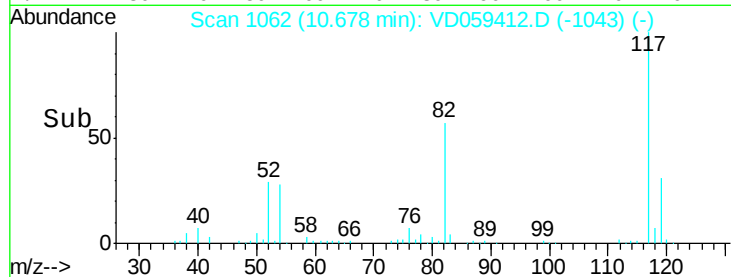
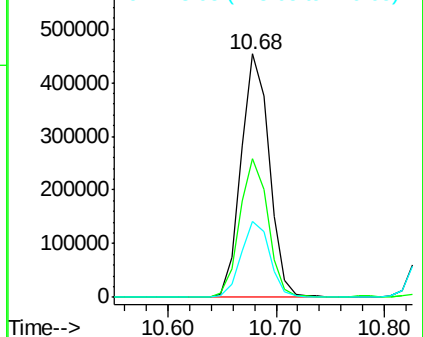
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:117 Resp: 821311
Ion Ratio Lower Upper
117 100
82 57.1 49.0 73.6
119 31.5 26.2 39.4

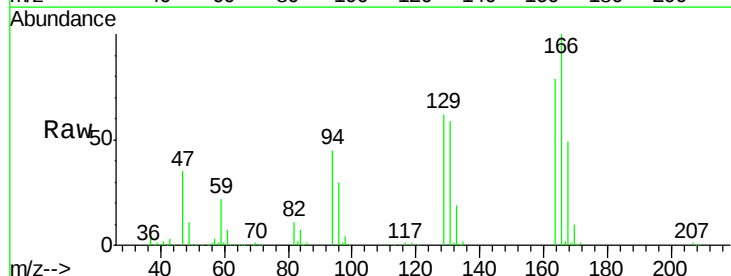


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

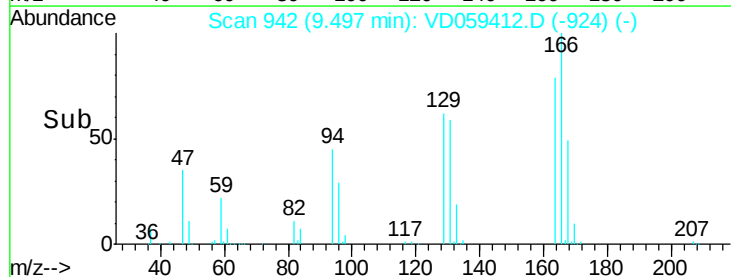
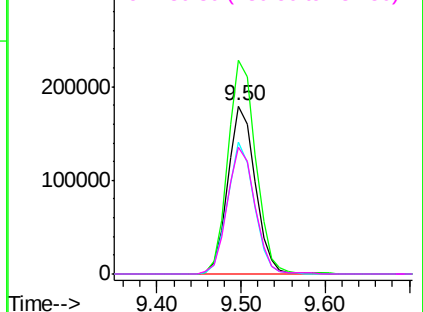


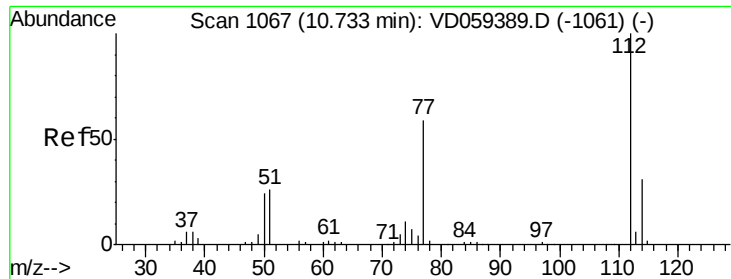
#64
Tetrachloroethene
Concen: 56.206 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.03 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:164 Resp: 404963
Ion Ratio Lower Upper
164 100
166 127.0 101.4 152.2
129 78.3 60.9 91.3
131 75.1 58.2 87.4



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

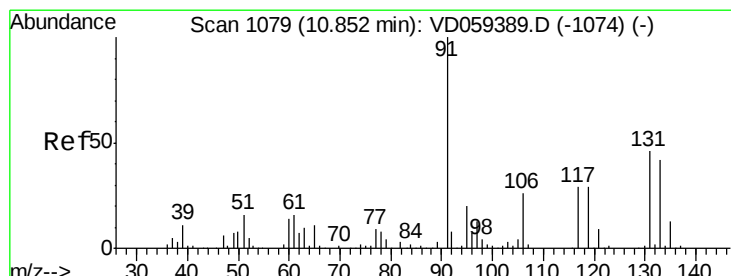
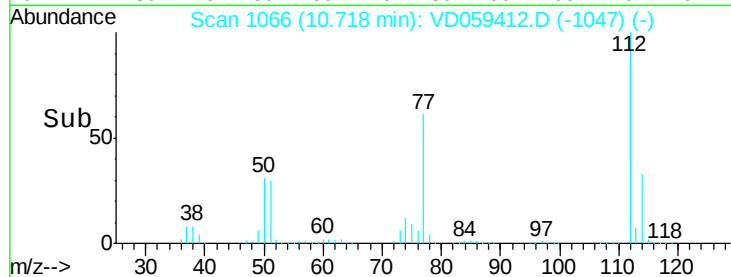
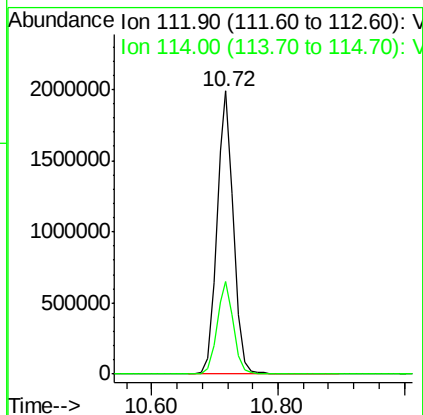
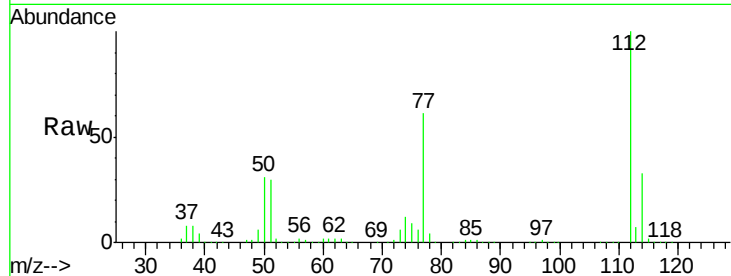




#65
Chlorobenzene
Concen: 243.306 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

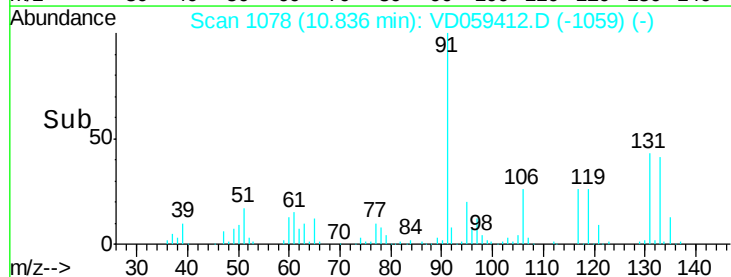
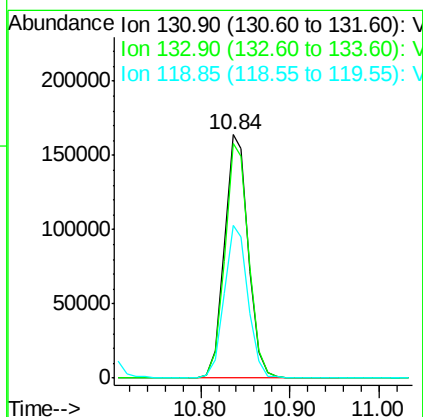
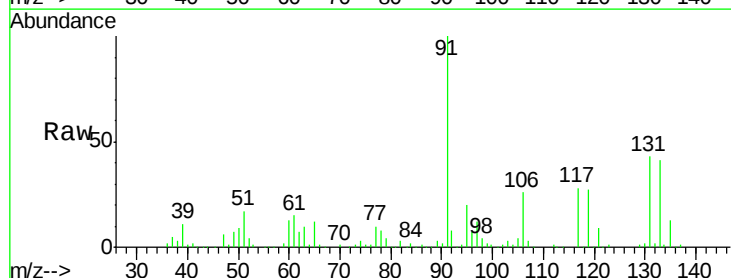
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

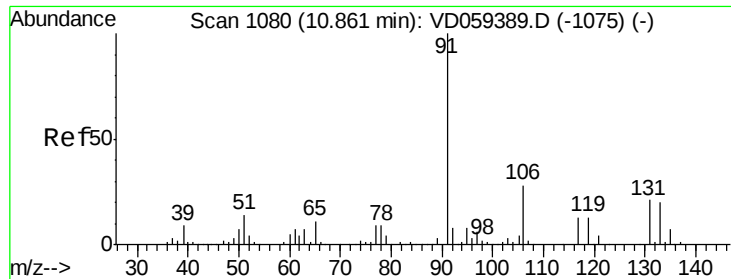
Tot Ion:112 Resp: 3653934
Ion Ratio Lower Upper
112 100
114 32.6 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.629 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:131 Resp: 309152
Ion Ratio Lower Upper
131 100
133 96.3 45.7 137.1
119 62.7 32.3 96.9

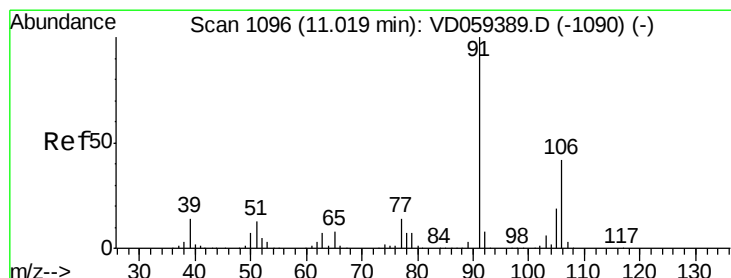
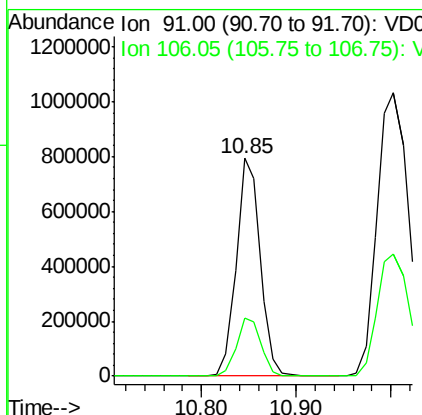
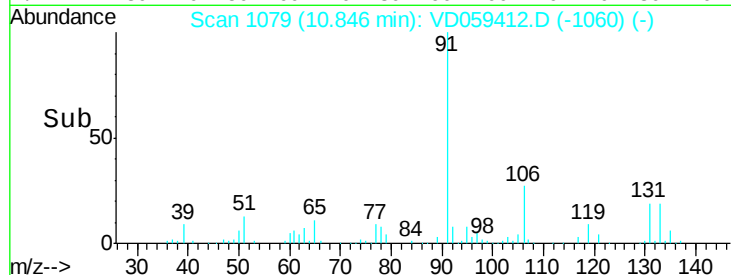
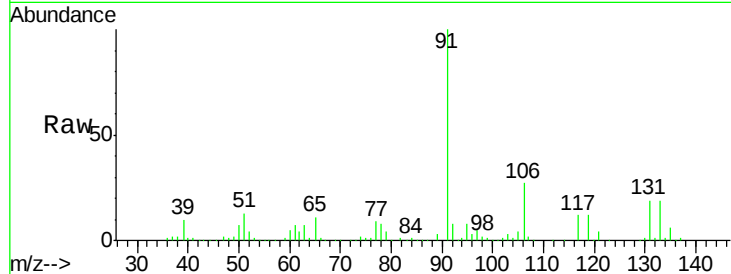




#67
Ethvl Benzene
Concen: 54.744 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

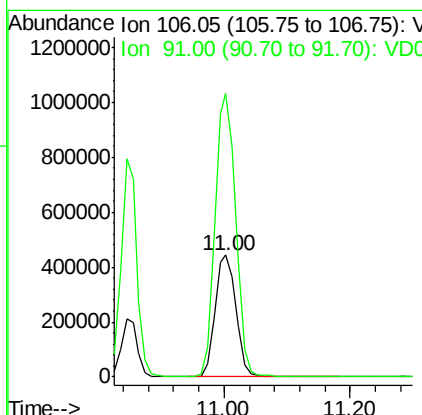
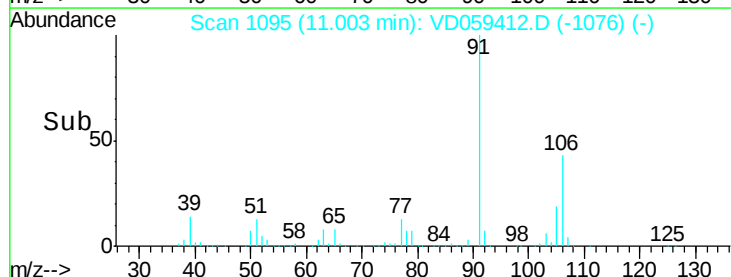
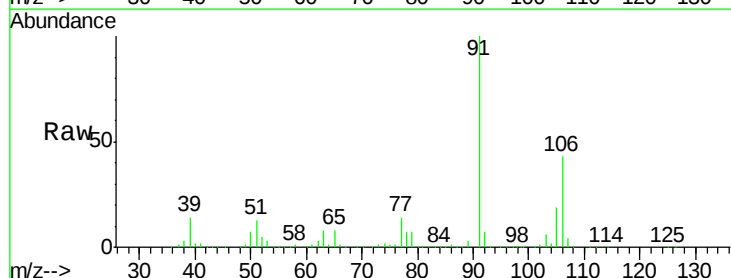
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

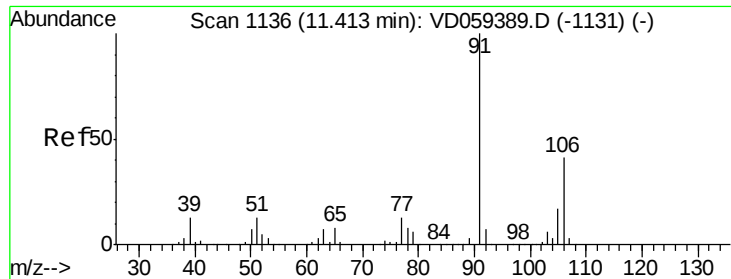
Tot Ion: 91 Resp: 1387279
Ion Ratio Lower Upper
91 100
106 26.8 22.3 33.5



#68
m/p-Xylenes
Concen: 122.597 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 106 Resp: 1030759
Ion Ratio Lower Upper
106 100
91 232.8 191.0 286.6

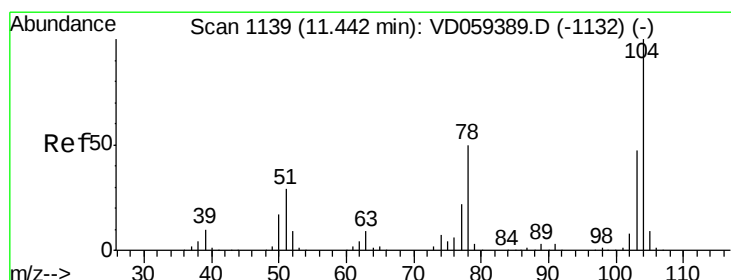
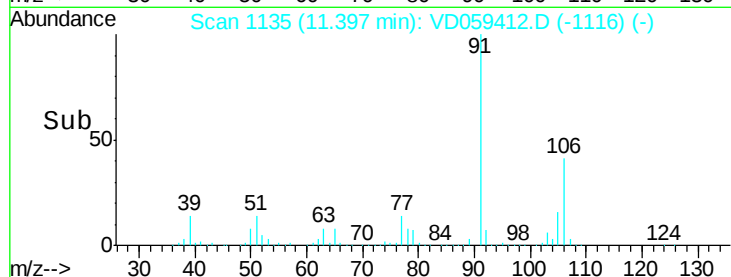
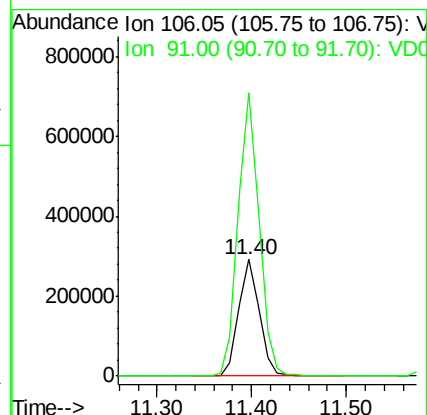
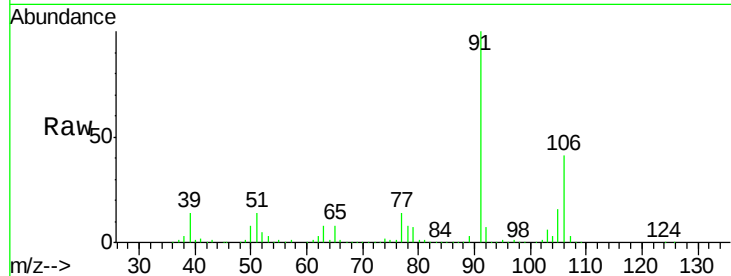




#69
o-Xylene
Concen: 53.694 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

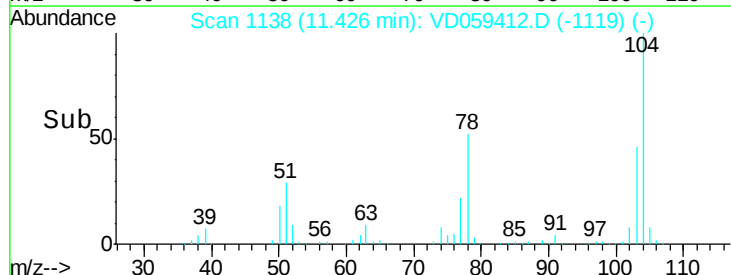
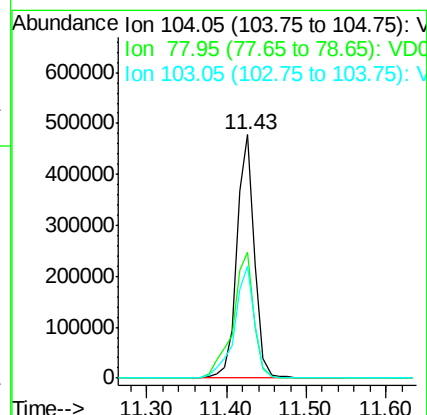
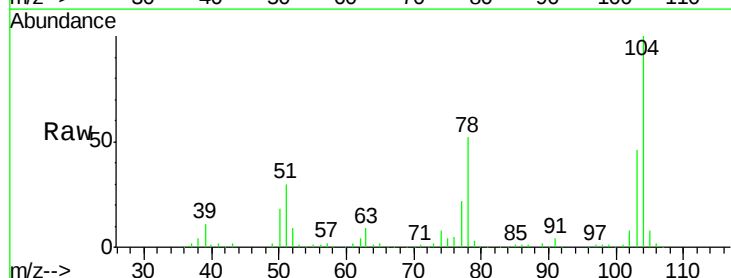
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

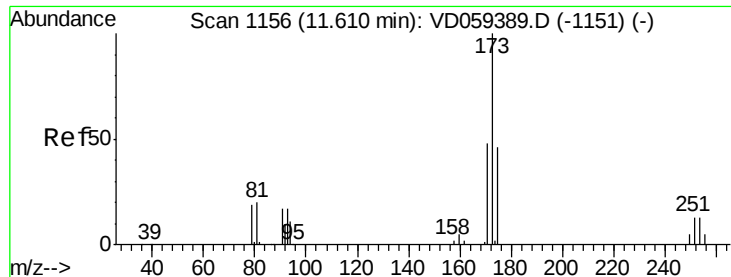
Tot Ion:106 Resp: 446316
Ion Ratio Lower Upper
106 100
91 242.3 121.0 362.8



#70
Styrene
Concen: 51.956 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:104 Resp: 740302
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 46.0 37.8 56.8





#71

Bromoform

Concen: 56.897 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

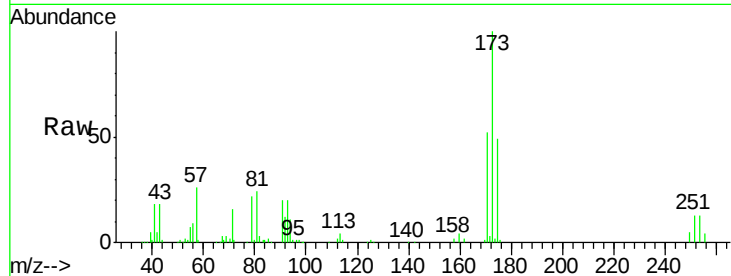
Tot Ion:173 Resp: 271718

Ion Ratio Lower Upper

173 100

175 48.6 22.8 68.4

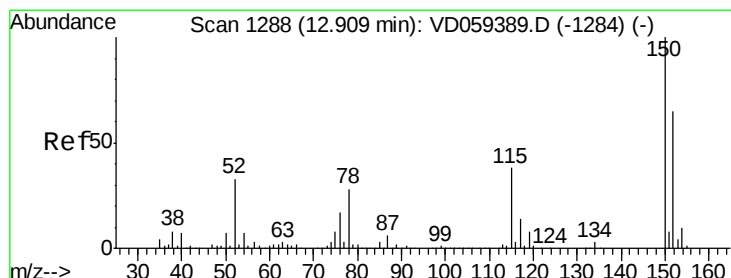
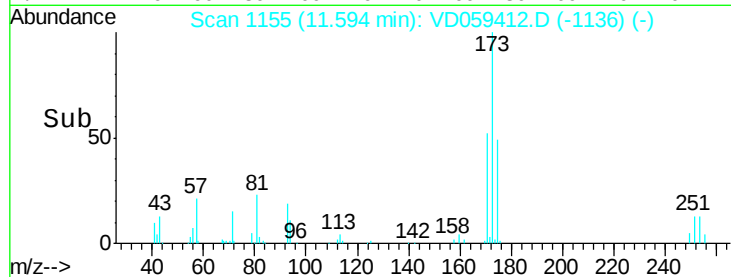
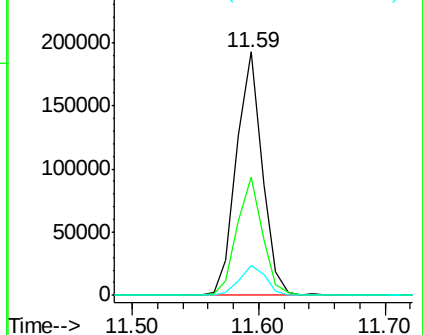
254 12.5 10.1 15.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

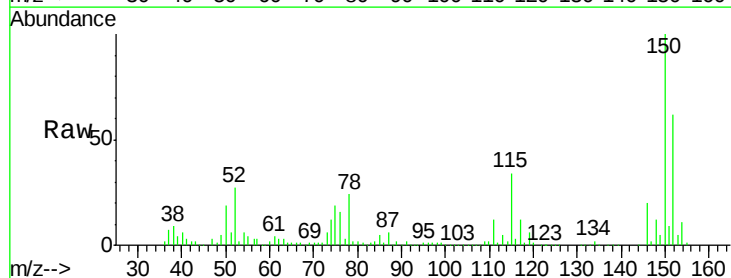
Tgt Ion:152 Resp: 405678

Ion Ratio Lower Upper

152 100

115 55.3 29.4 88.3

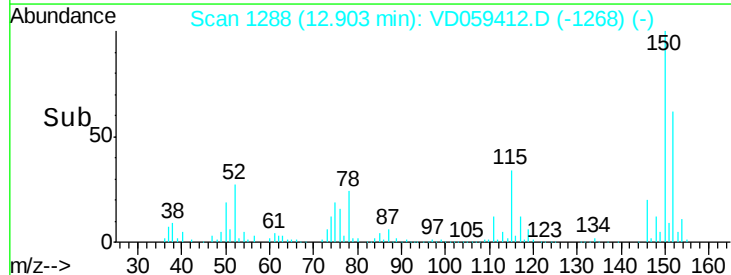
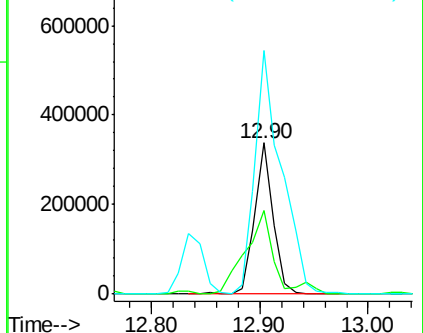
150 161.0 0.0 308.2

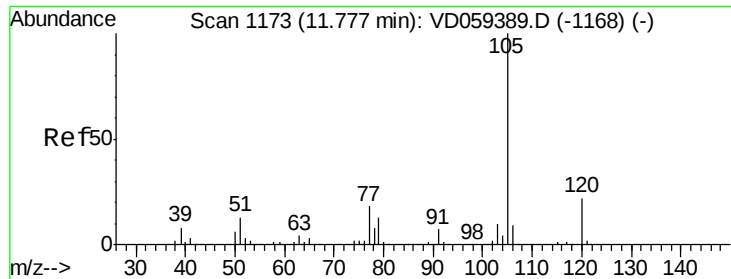


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.356 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

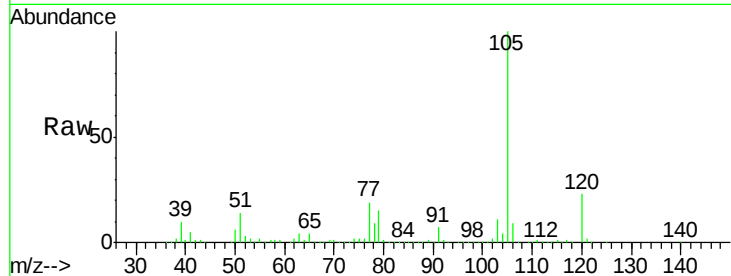
WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 1267276

Ion Ratio Lower Upper

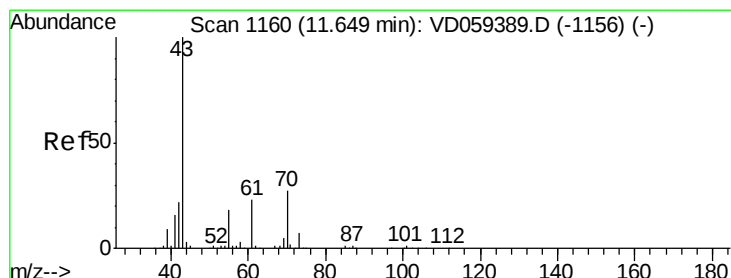
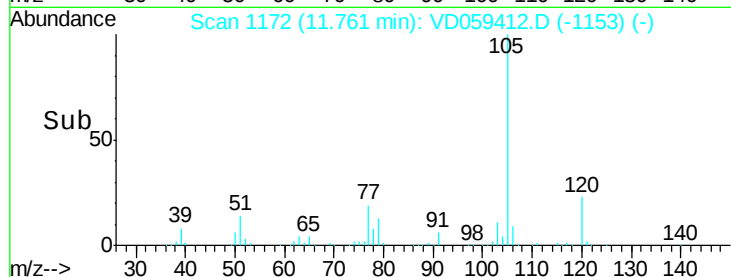
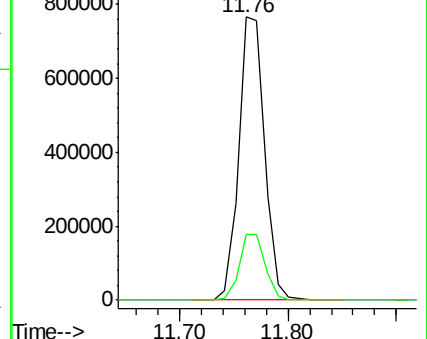
105 100

120 23.1 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 68.109 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Tgt Ion: 43 Resp: 593233

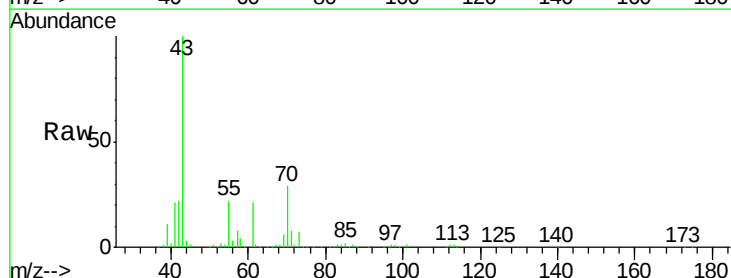
Ion Ratio Lower Upper

43 100

70 29.2 21.7 32.5

55 21.5 14.6 22.0

61 21.3 18.0 27.0

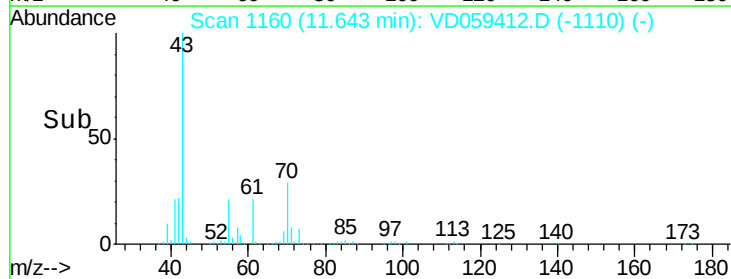
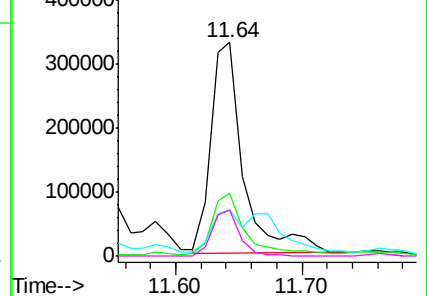


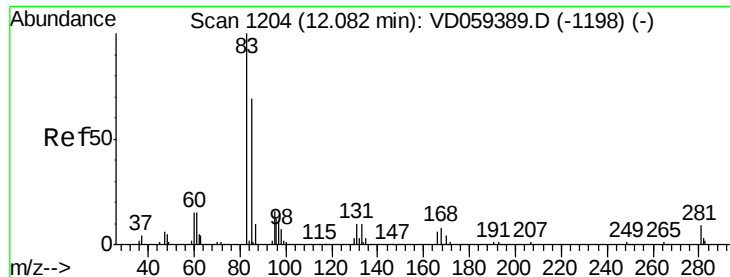
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 58.380 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

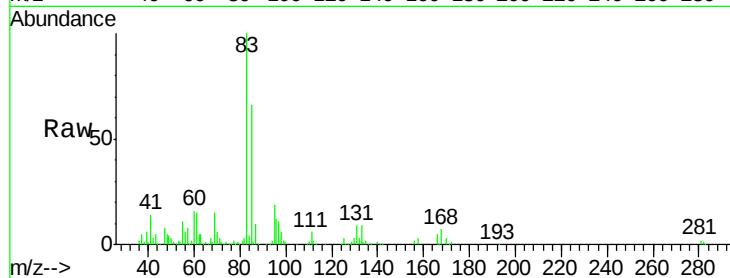
Tot Ion: 83 Resp: 313549

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.6

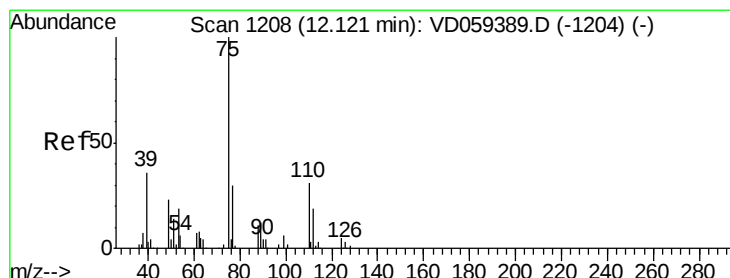
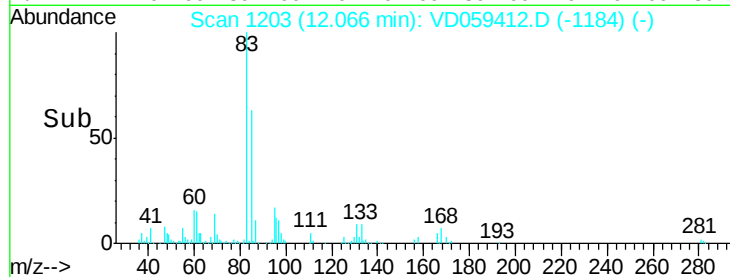
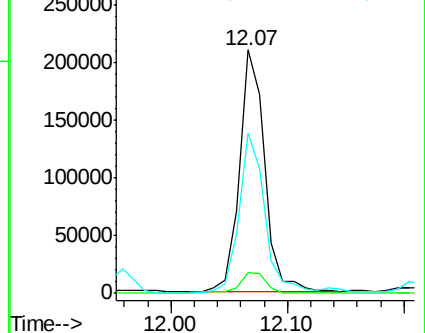
85 65.8 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 57.825 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059412.D

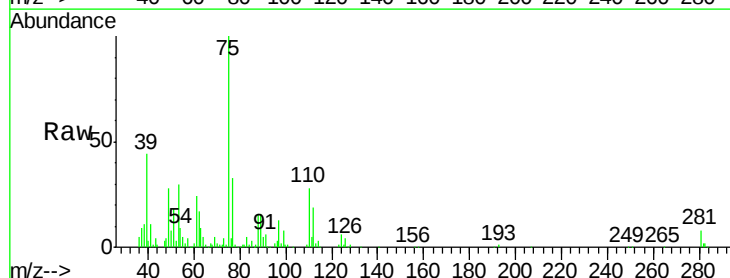
Acq: 25 Jun 2018 21:27

Tgt Ion: 75 Resp: 323572

Ion Ratio Lower Upper

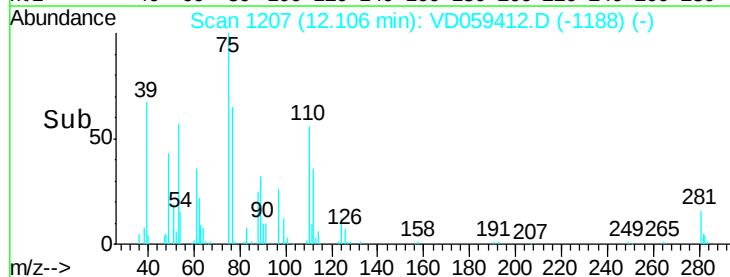
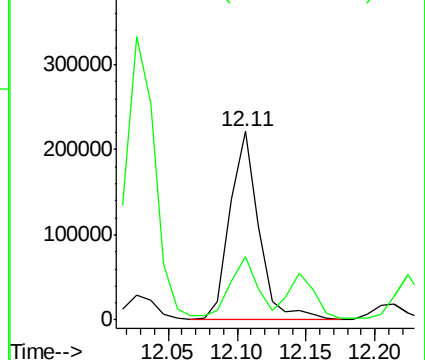
75 100

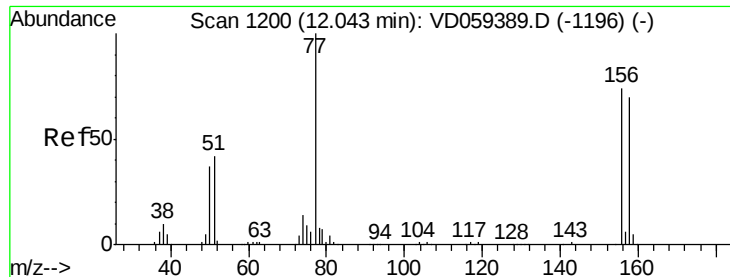
77 33.4 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

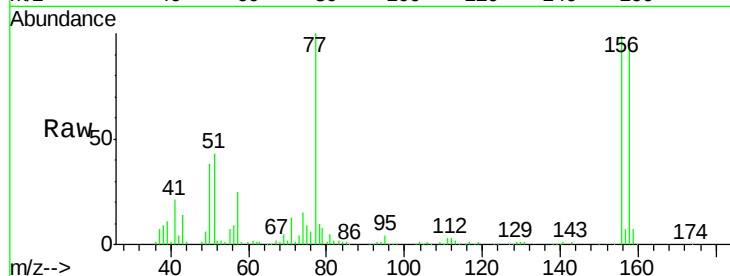




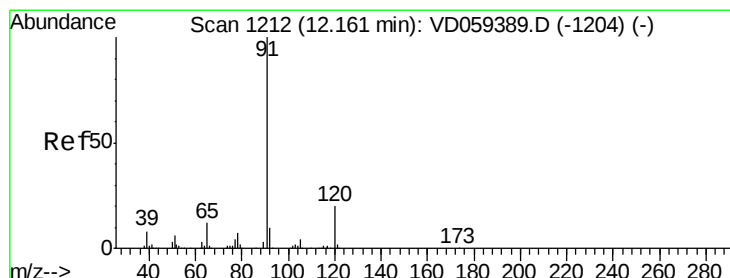
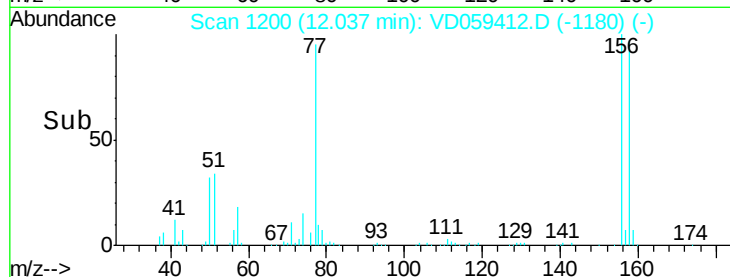
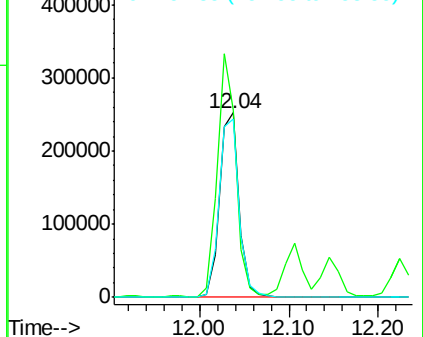
#77
Bromobenzene
Concen: 53.772 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:156 Resp: 387446
Ion Ratio Lower Upper
156 100
77 101.3 68.0 203.8
158 96.9 47.7 143.1

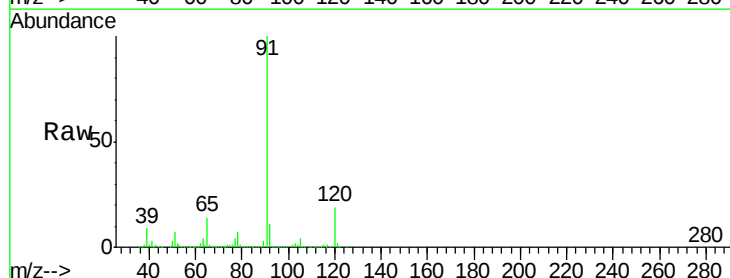


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

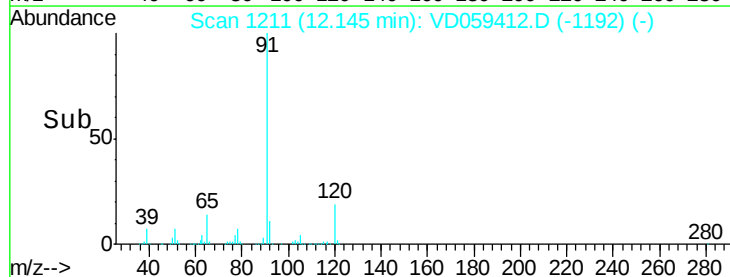
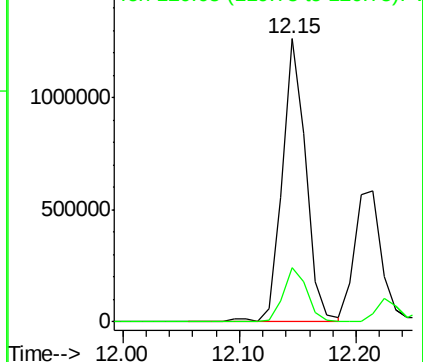


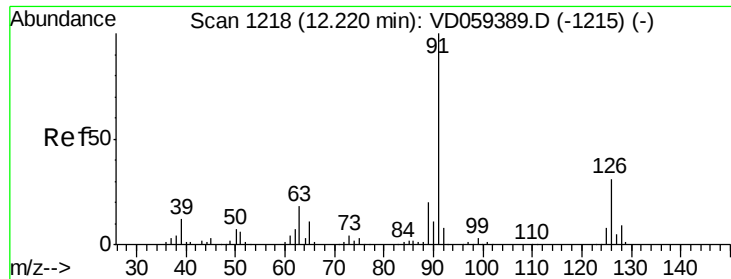
#78
n-propylbenzene
Concen: 60.600 ug/l
RT: 12.15 min Scan# 1211
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 91 Resp: 1757053
Ion Ratio Lower Upper
91 100
120 19.0 10.0 29.8



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

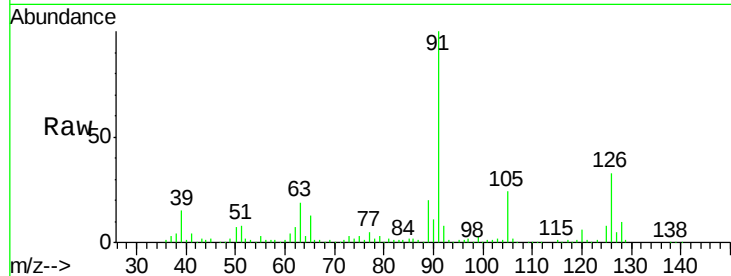




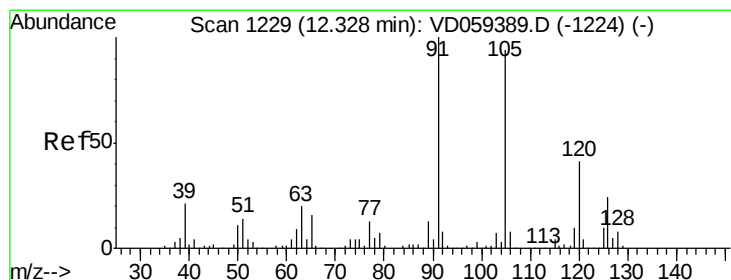
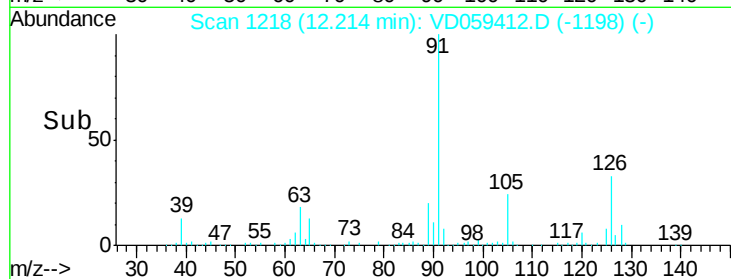
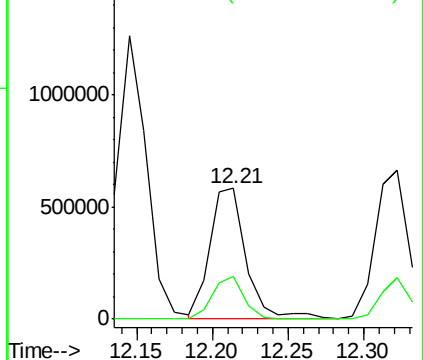
#79
 2-Chlorotoluene
 Concen: 57.001 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 970566
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.2 45.5

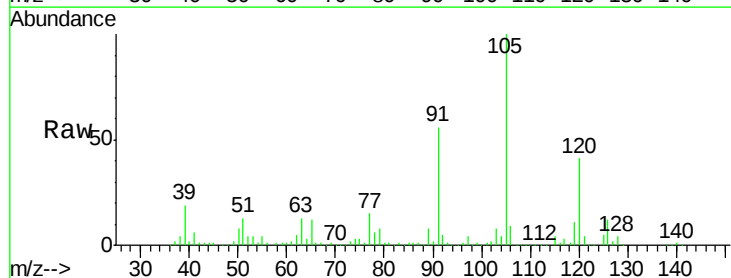


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

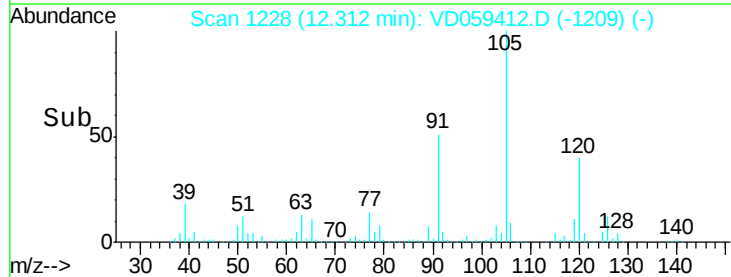
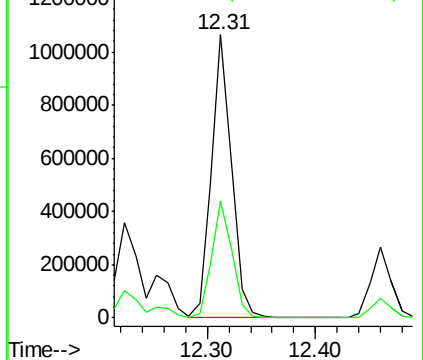


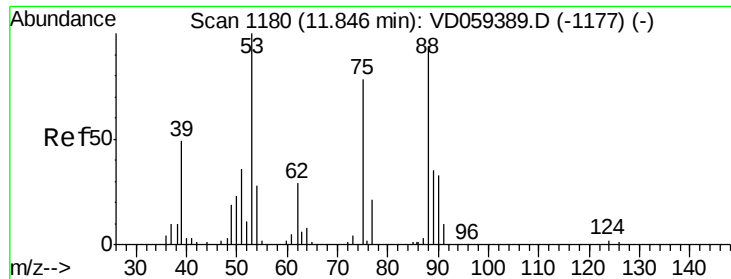
#80
 1,3,5-Trimethylbenzene
 Concen: 74.920 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 105 Resp: 1365423
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.9 65.7



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

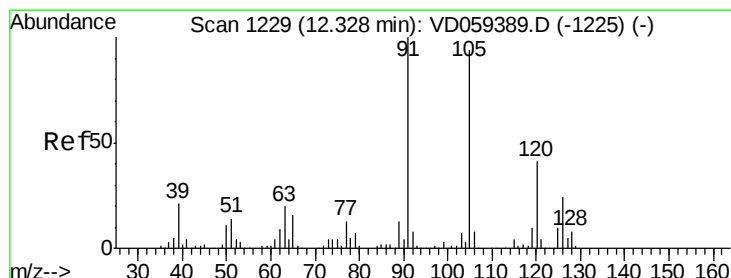
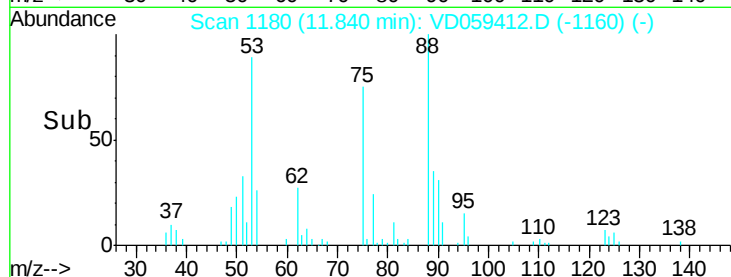
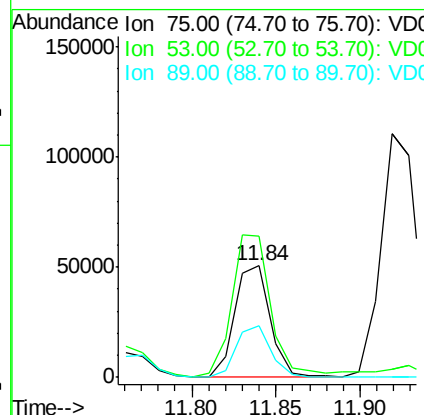
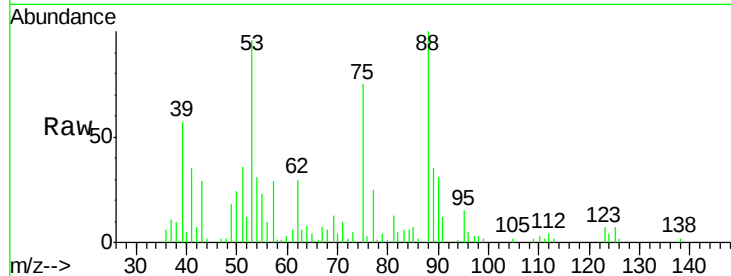




#81
trans-1,4-Dichloro-2-butene
Concen: 58.482 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

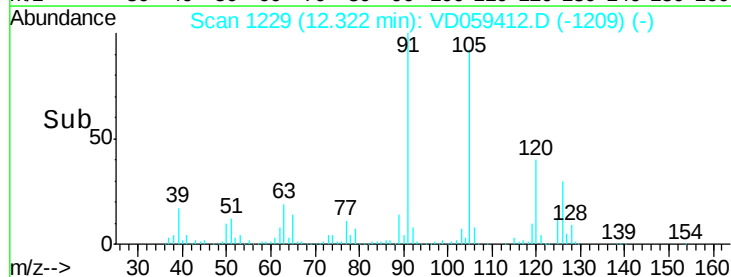
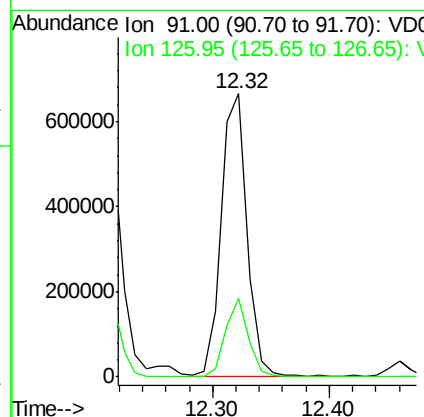
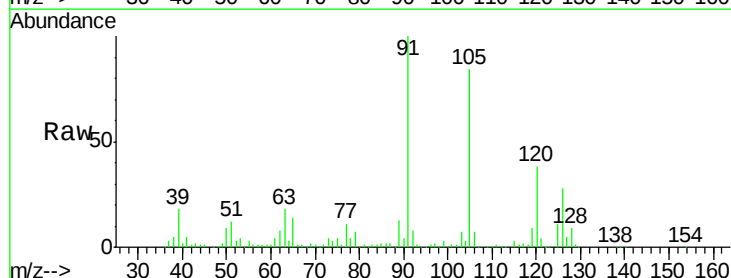
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

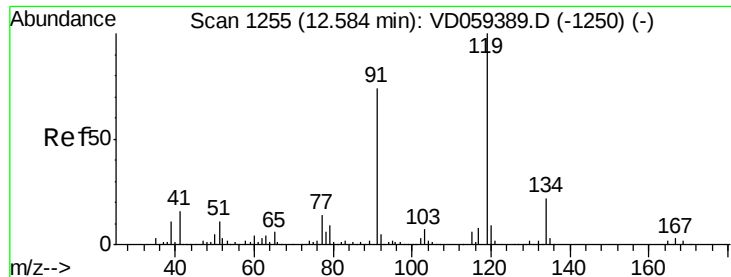
Tot Ion: 75 Resp: 74381
Ion Ratio Lower Upper
75 100
53 127.4 102.6 154.0
89 46.2 35.9 53.9



#82
4-Chlorotoluene
Concen: 51.940 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 91 Resp: 1002845
Ion Ratio Lower Upper
91 100
126 27.6 12.2 36.6

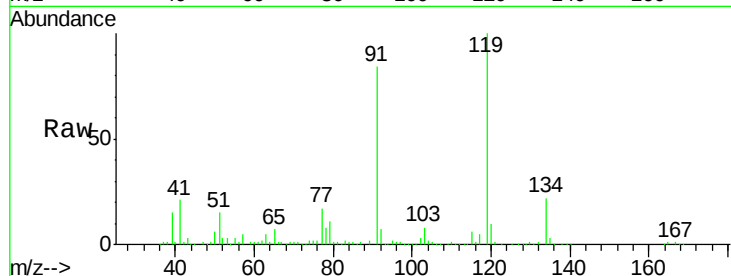




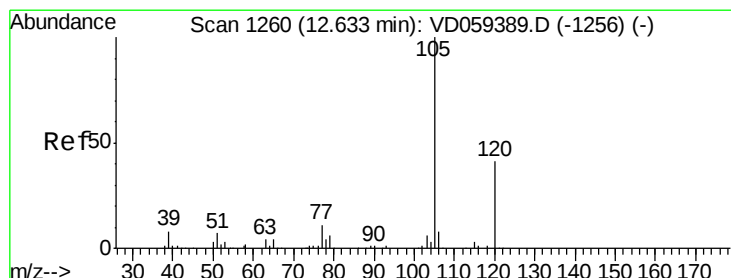
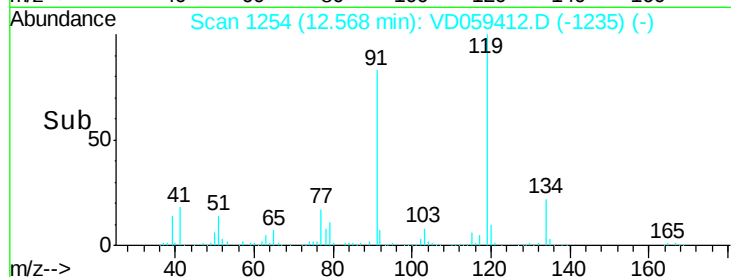
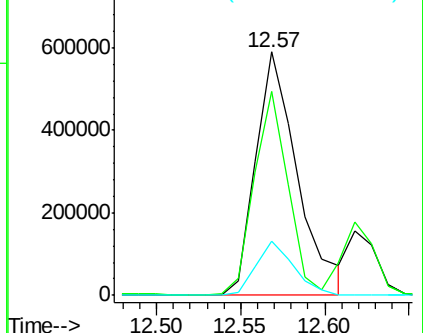
#83
tert-Butylbenzene
Concen: 52.357 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:119 Resp: 1015000
Ion Ratio Lower Upper
119 100
91 83.8 36.9 110.7
134 22.1 11.2 33.6

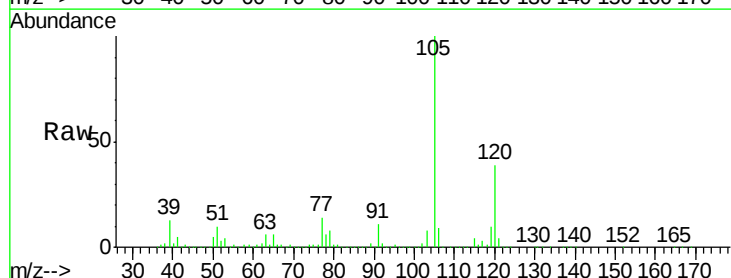


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

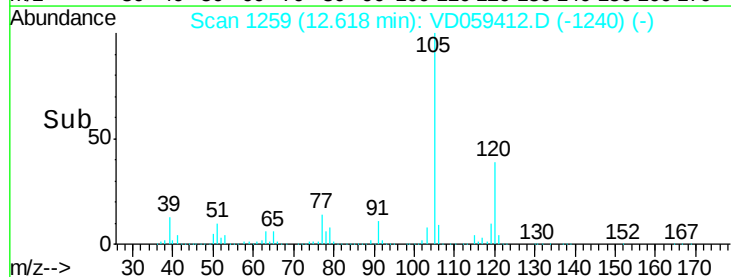
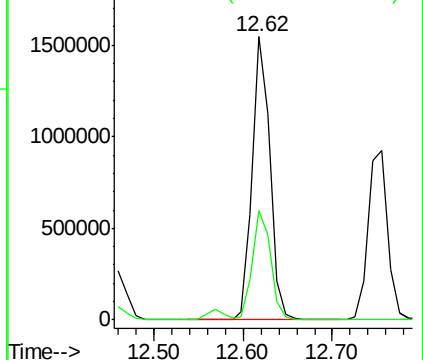


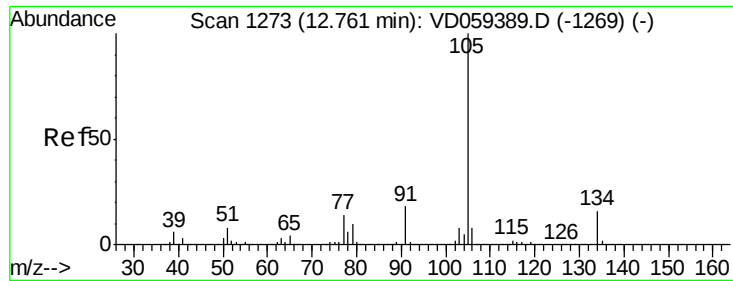
#84
1,2,4-Trimethylbenzene
Concen: 109.176 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:105 Resp: 2105719
Ion Ratio Lower Upper
105 100
120 38.8 21.5 64.5



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





#85

sec-Butylbenzene

Concen: 57.932 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

Instrument :

MSVOA_D

ClientSampleId :

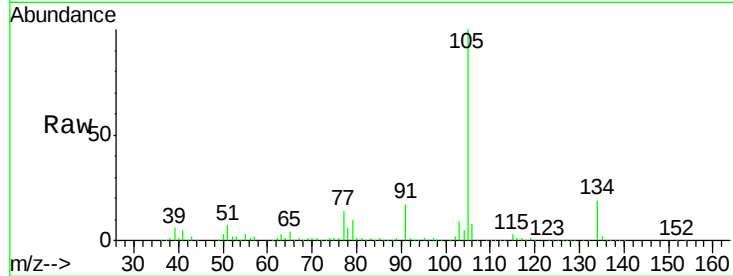
WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 1378116

Ion Ratio Lower Upper

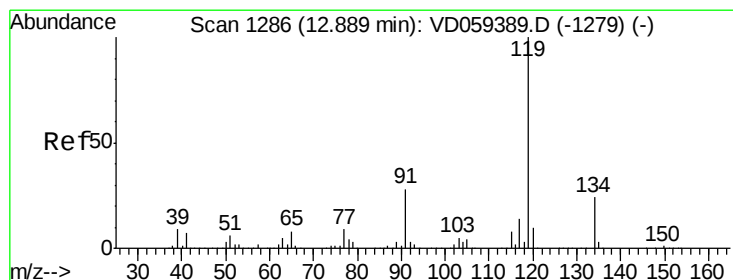
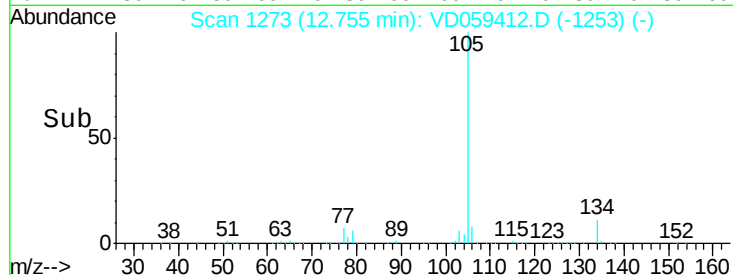
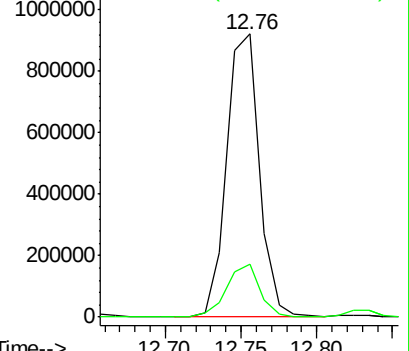
105 100

134 18.7 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 56.922 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059412.D

Acq: 25 Jun 2018 21:27

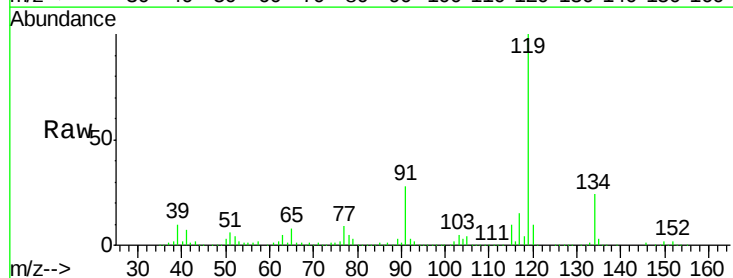
Tgt Ion:119 Resp: 1091427

Ion Ratio Lower Upper

119 100

134 23.9 11.9 35.5

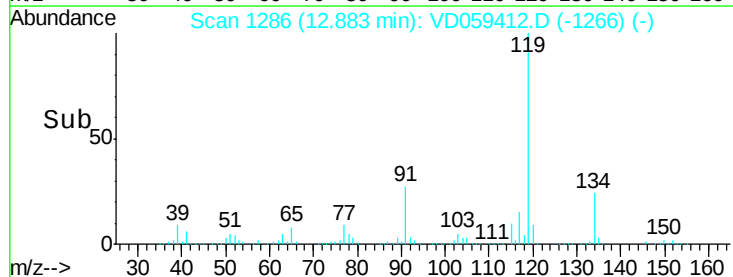
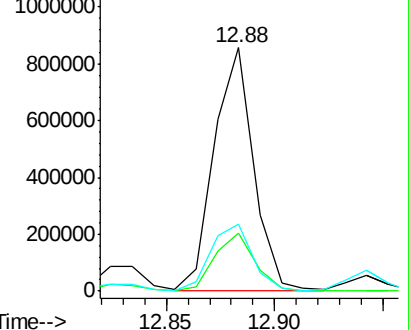
91 27.6 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

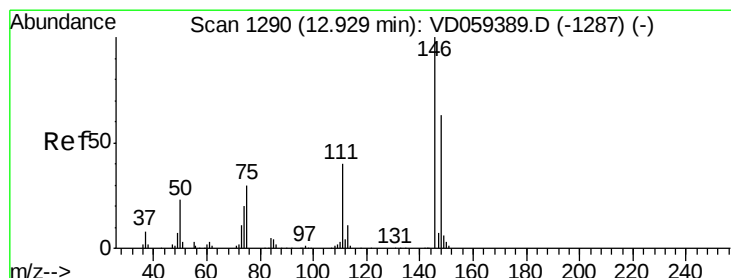
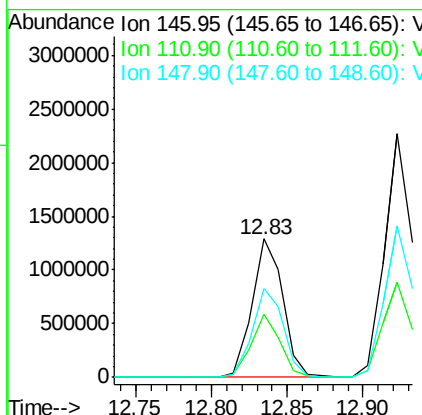
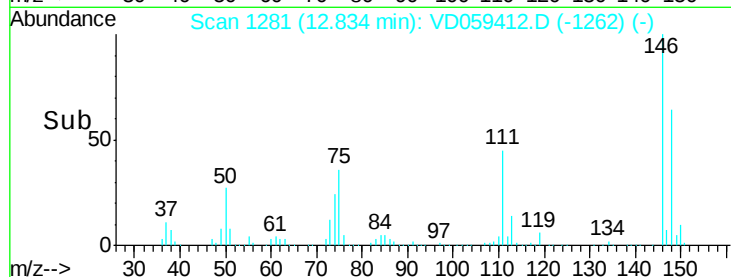
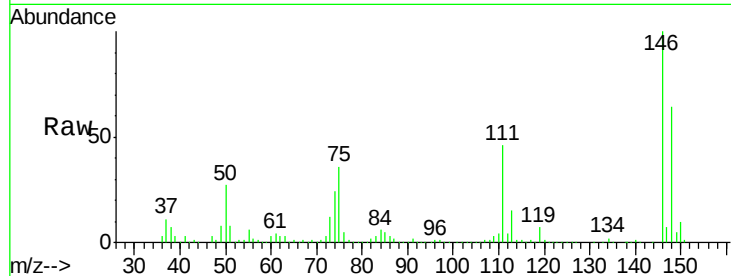




#87
 1,3-Dichlorobenzene
 Concen: 154.649 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

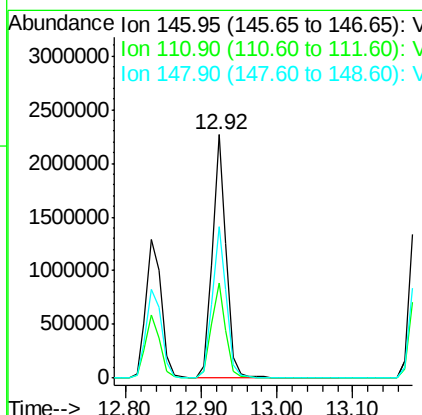
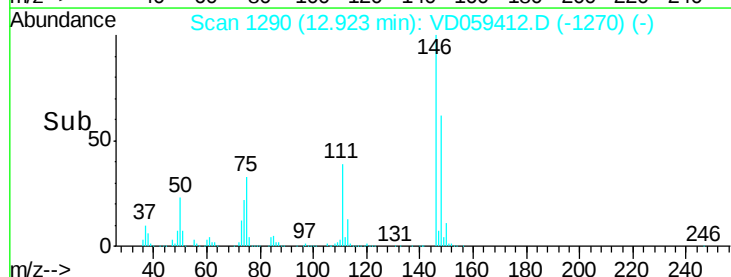
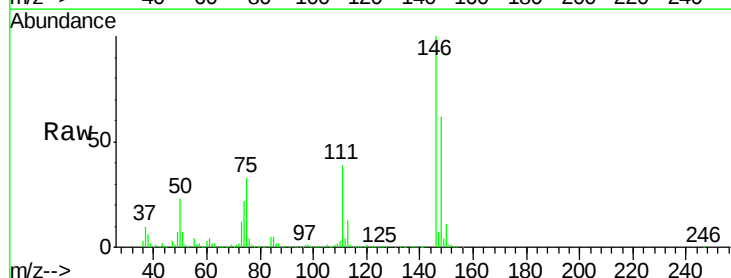
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

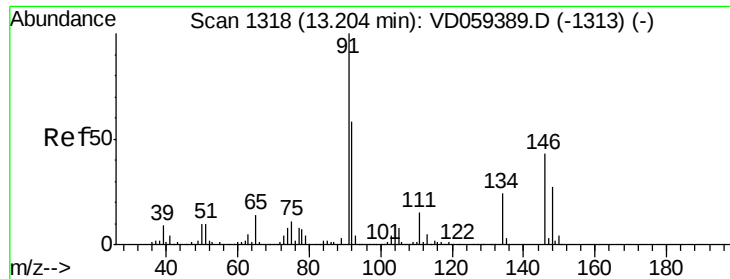
Tot Ion:146 Resp: 1833195
 Ion Ratio Lower Upper
 146 100
 111 46.0 17.6 52.8
 148 64.4 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 252.333 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion:146 Resp: 2951695
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.1 60.2
 148 62.5 31.4 94.0

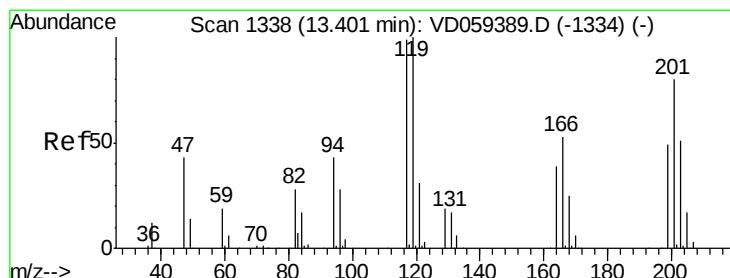
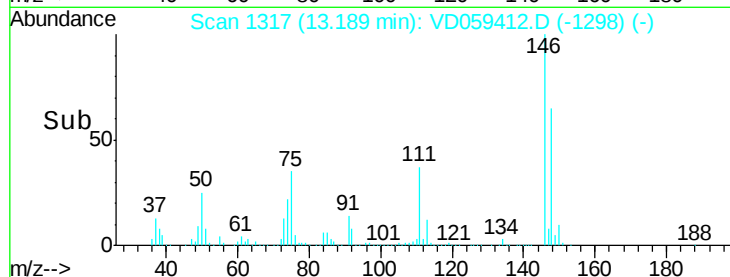
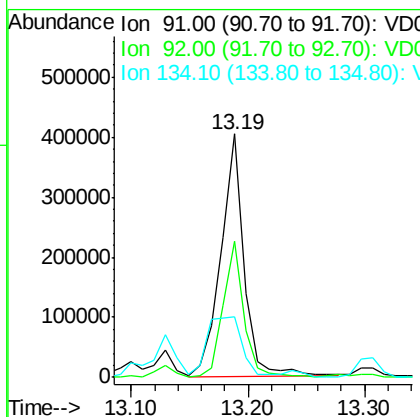
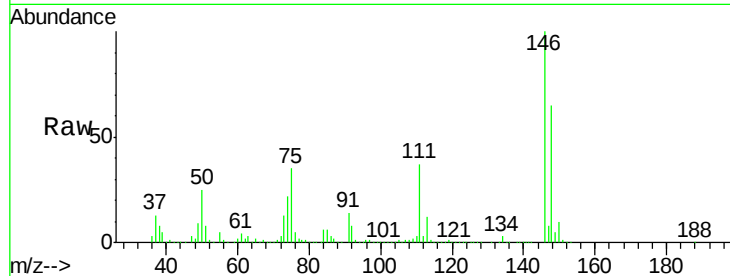




#89
n-Butylbenzene
Concen: 29.449 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

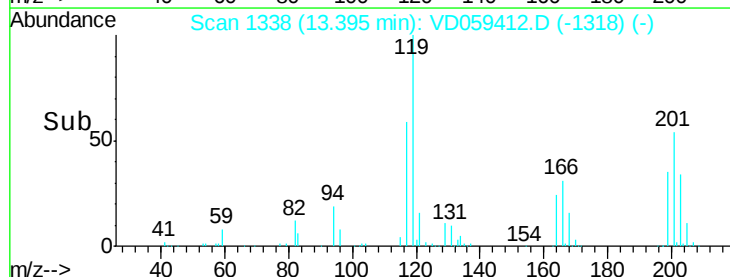
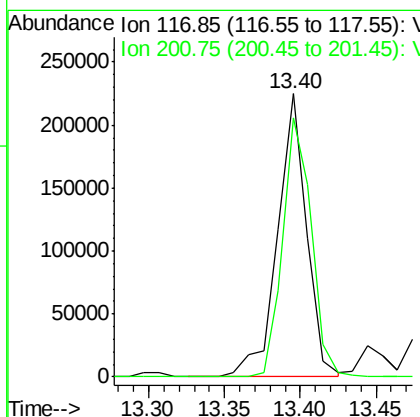
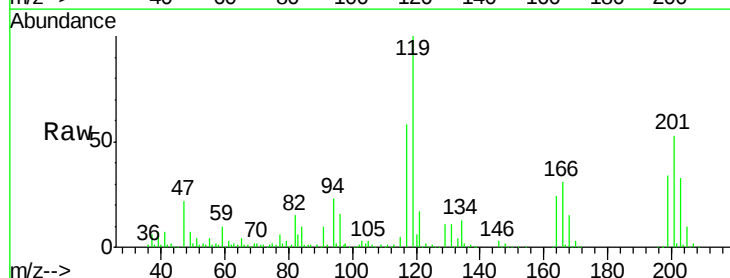
Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

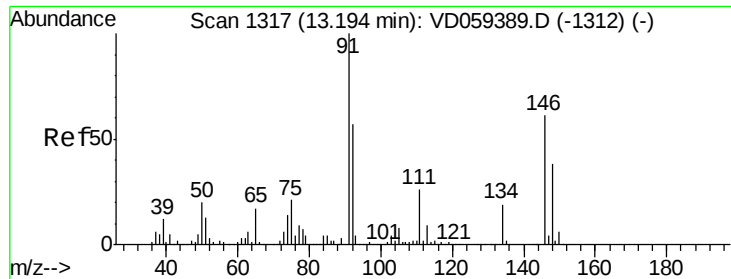
Tot Ion: 91 Resp: 557373
Ion Ratio Lower Upper
91 100
92 55.8 28.8 86.5
134 24.8 11.9 35.7



#90
Hexachloroethane
Concen: 63.053 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion: 117 Resp: 301629
Ion Ratio Lower Upper
117 100
201 91.4 40.1 120.3

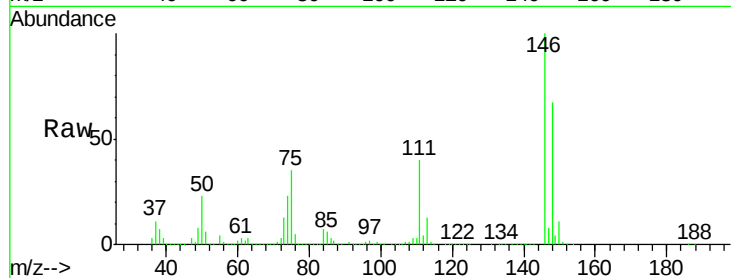




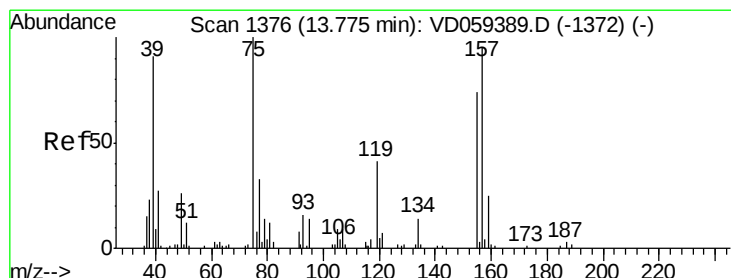
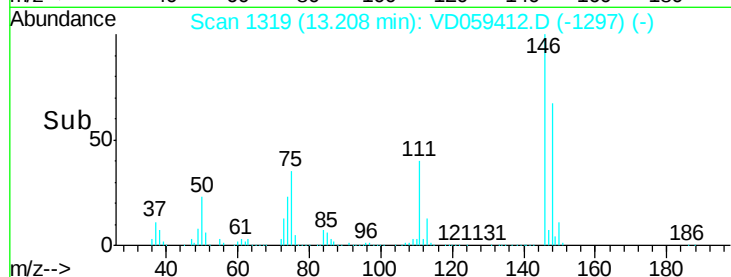
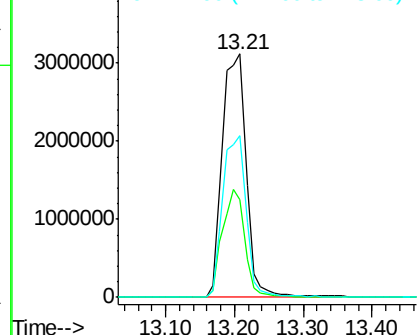
#91
 1,2-Dichlorobenzene
 Concen: 747.709 ug/l
 RT: 13.21 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:146 Resp: 7514819
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.4 64.2
 148 66.6 31.6 95.0

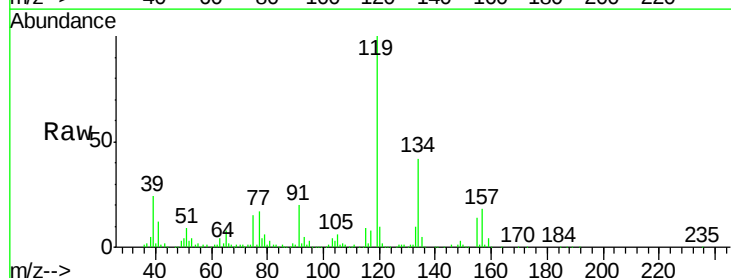


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

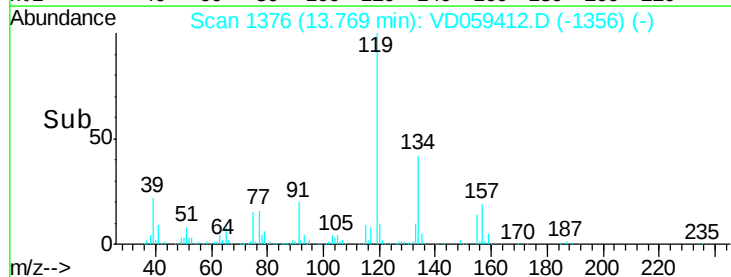
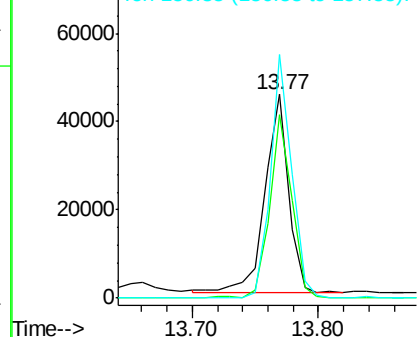


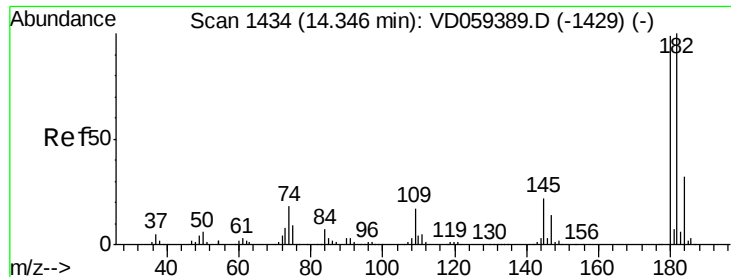
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.327 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion: 75 Resp: 57855
 Ion Ratio Lower Upper
 75 100
 155 89.8 37.2 111.6
 157 119.5 47.4 142.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

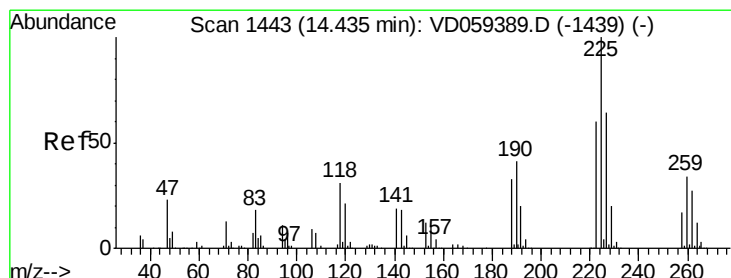
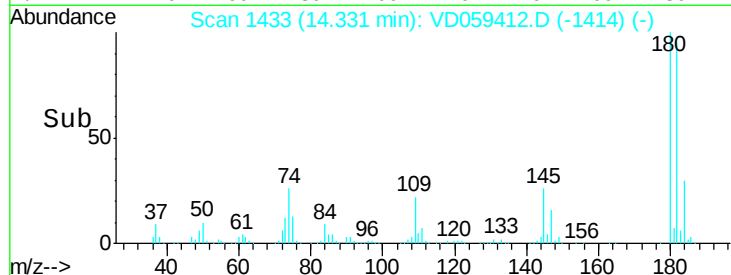
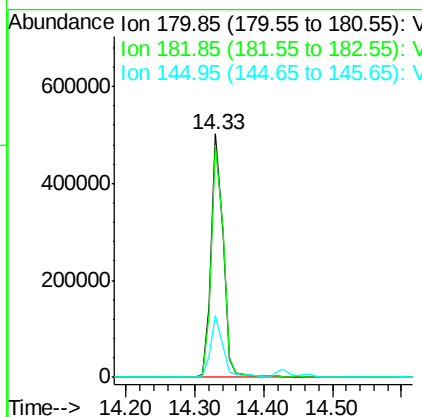
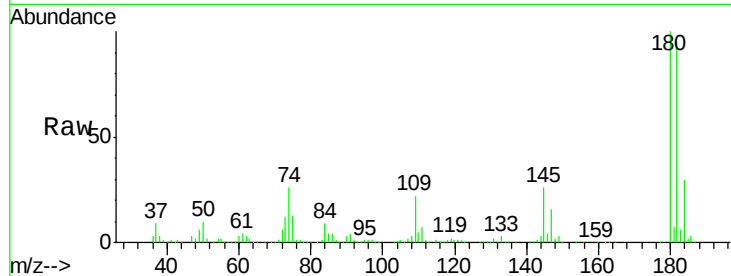




#93
 1,2,4-Trichlorobenzene
 Concen: 65.802 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

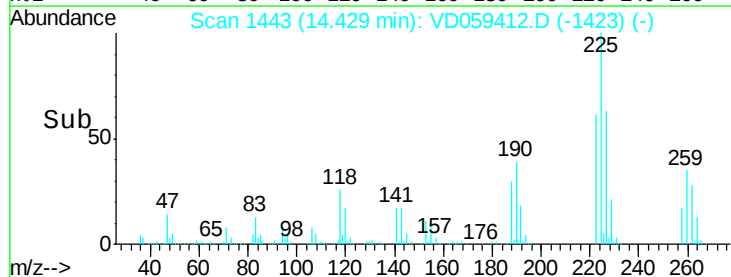
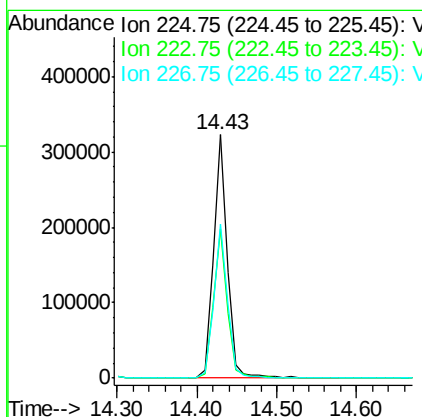
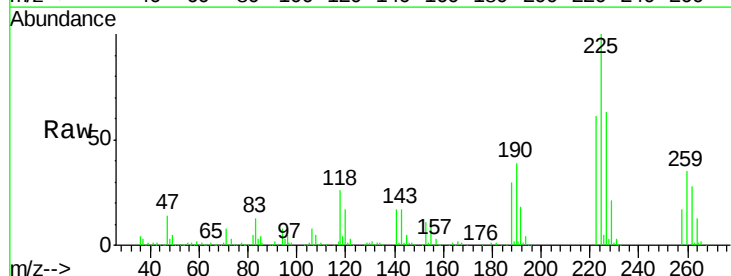
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

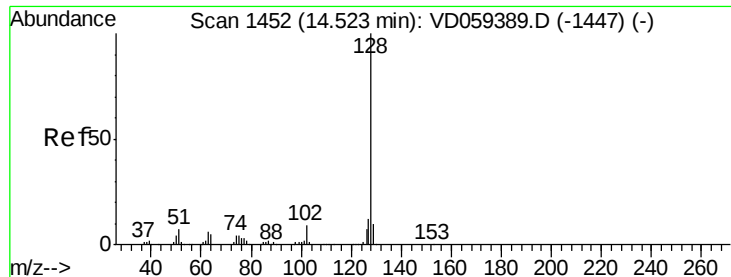
Tot Ion:180 Resp: 611430
 Ion Ratio Lower Upper
 180 100
 182 95.4 50.4 151.2
 145 25.6 11.0 33.0



#94
 Hexachlorobutadiene
 Concen: 56.342 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059412.D
 Acq: 25 Jun 2018 21:27

Tgt Ion:225 Resp: 393954
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.0 90.1
 227 63.3 32.1 96.5

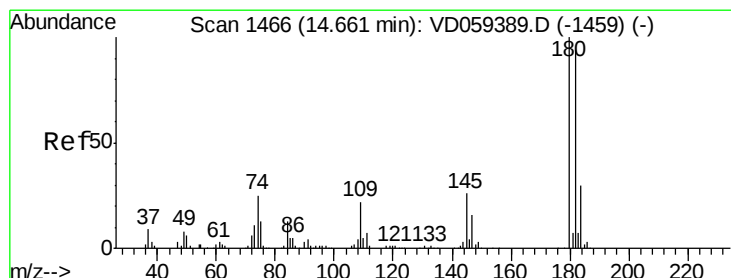
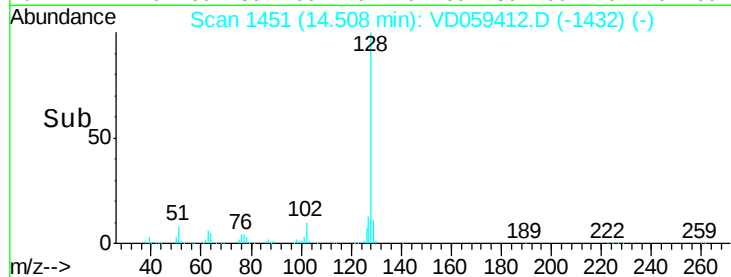
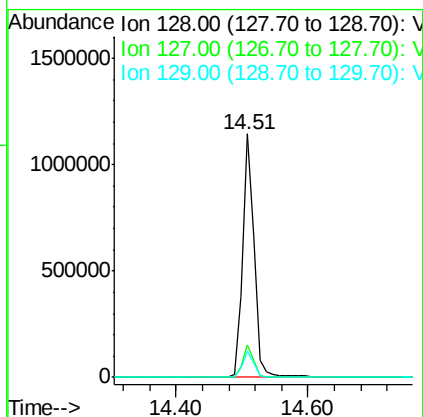
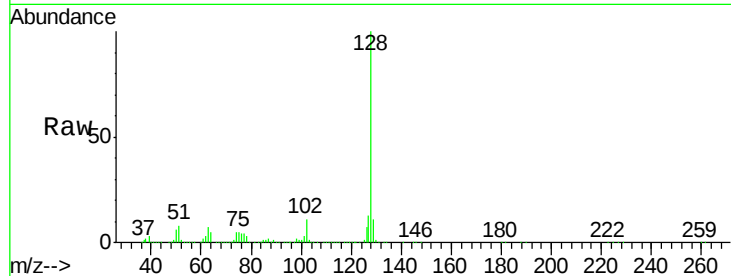




#95
Naphthalene
Concen: 108.713 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:128 Resp: 1407874
Ion Ratio Lower Upper
128 100
127 13.2 9.6 14.4
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 56.698 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059412.D
Acq: 25 Jun 2018 21:27

Tgt Ion:180 Resp: 473691
Ion Ratio Lower Upper
180 100
182 96.8 47.1 141.4
145 25.9 13.1 39.3

