

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059512.D
 Acq On : 2 Jul 2018 19:29
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 03 00:55:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	631564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	924881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	727660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	377856	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	819704	119.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	238.58%	
35) Dibromofluoromethane	5.52	113	766377	100.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.92%	
50) Toluene-d8	8.69	98	1743012	97.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.04%	
62) 4-Bromofluorobenzene	11.92	95	744411	100.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.72%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.32	85	870823	137.75	ug/l	95
3) Chloromethane	1.47	50	398415	125.79	ug/l	98
4) Vinyl Chloride	1.53	62	425743	129.11	ug/l	98
5) Bromomethane	1.76	94	125858	99.39	ug/l	93
6) Chloroethane	1.85	64	138428	99.42	ug/l	100
7) Trichlorofluoromethane	2.05	101	613763	127.28	ug/l	96
8) Diethyl Ether	2.32	74	128689	122.59	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	385539	129.04	ug/l	98
10) Methyl Iodide	2.66	142	462418	134.99	ug/l	96
11) Tert butyl alcohol	3.24	59	129294	561.58	ug/l	97
12) 1,1-Dichloroethene	2.51	96	303444	131.33	ug/l	92
13) Acrolein	2.45	56	62672	331.46	ug/l	92
14) Allyl chloride	2.89	41	674533	129.39	ug/l	99
15) Acrylonitrile	3.32	53	390170	549.71	ug/l	96
16) Acetone	2.59	43	516166	584.42	ug/l	97
17) Carbon Disulfide	2.72	76	1057477	146.44	ug/l	99
18) Methyl Acetate	2.91	43	214973	100.73	ug/l	92
19) Methyl tert-butyl Ether	3.37	73	748259	75.24	ug/l	96
20) Methylene Chloride	3.04	84	325940	115.93	ug/l	99
21) trans-1,2-Dichloroethene	3.35	96	328290	88.89	ug/l	91
22) Diisopropyl ether	4.04	45	2281093	117.61	ug/l	99
23) Vinyl Acetate	3.98	43	6516165	632.72	ug/l	99
24) 1,1-Dichloroethane	3.93	63	1261548	113.16	ug/l	99
25) 2-Butanone	4.81	43	1114204	606.52	ug/l	97
26) 2,2-Dichloropropane	4.76	77	1043611	120.03	ug/l	100
27) cis-1,2-Dichloroethene	4.77	96	636883	96.76	ug/l	99
28) Bromochloromethane	5.12	49	461213	101.82	ug/l	95
29) Tetrahydrofuran	5.15	42	586801	590.31	ug/l	98
30) Chloroform	5.29	83	1385341	115.45	ug/l	96
31) Cyclohexane	5.56	56	899188	106.80	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	1144882	118.73	ug/l	97
36) 1,1-Dichloropropene	5.72	75	903222	102.18	ug/l	99
37) Ethyl Acetate	4.90	43	559634	106.41	ug/l	97
38) Carbon Tetrachloride	5.70	117	985050	108.38	ug/l	99

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Instrument :
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 ClientSampleId :
 VSTDICC100

Quant Time: Jul 03 00:55:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	897071	106.81	ug/l	98
40) Benzene	5.98	78	2049567	96.73	ug/l	100
41) Methacrylonitrile	5.10	41	278032	108.63	ug/l	96
42) 1,2-Dichloroethane	6.10	62	1004439	108.05	ug/l	97
43) Isopropyl Acetate	7.60	43	763121	114.01	ug/l #	100
44) Trichloroethene	6.96	130	683781	99.52	ug/l	98
45) 1,2-Dichloropropane	7.32	63	606314	103.87	ug/l	98
46) Dibromomethane	7.44	93	426522	103.18	ug/l	95
47) Bromodichloromethane	7.71	83	1007645	108.31	ug/l	98
48) Methyl methacrylate	7.48	41	476265	115.76	ug/l	92
49) 1,4-Dioxane	7.47	88	84980	2076.57	ug/l #	85
51) 4-Methyl-2-Pentanone	8.58	43	2286264	514.97	ug/l	96
52) Toluene	8.78	92	1122301	89.85	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	881889	111.22	ug/l	96
54) cis-1,3-Dichloropropene	8.33	75	1016696	110.65	ug/l	92
55) 1,1,2-Trichloroethane	9.44	97	436476	97.49	ug/l	98
56) Ethyl methacrylate	9.30	69	570633	109.65	ug/l	94
57) 1,3-Dichloropropane	9.64	76	798376	107.08	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.17	63	1279603	478.27	ug/l #	91
59) 2-Hexanone	9.77	43	1714571	545.59	ug/l	98
60) Dibromochloromethane	9.94	129	673699	106.58	ug/l	100
61) 1,2-Dibromoethane	10.08	107	499494	99.27	ug/l	98
64) Tetrachloroethene	9.50	164	621258	95.49	ug/l	95
65) Chlorobenzene	10.71	112	1297134	94.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.83	131	548831	106.12	ug/l	96
67) Ethyl Benzene	10.84	91	2246372	97.90	ug/l	96
68) m/p-Xylenes	11.00	106	1413270	184.43	ug/l	97
69) o-Xylene	11.40	106	710844	94.28	ug/l	98
70) Styrene	11.43	104	1164278	90.86	ug/l	99
71) Bromoform	11.58	173	480166	111.61	ug/l	99
73) Isopropylbenzene	11.76	105	2090032	94.79	ug/l	96
74) N-amyl acetate	11.63	43	960185	112.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	538314	102.08	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	576721	105.52	ug/l	98
77) Bromobenzene	12.03	156	673453	97.46	ug/l	93
78) n-propylbenzene	12.14	91	2769060	97.90	ug/l	97
79) 2-Chlorotoluene	12.20	91	1678651	101.70	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	1638340	92.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	167659	131.80	ug/l	96
82) 4-Chlorotoluene	12.31	91	1758410	93.11	ug/l	94
83) tert-Butylbenzene	12.57	119	1869833	98.28	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	1803712	96.76	ug/l	96
85) sec-Butylbenzene	12.74	105	2129430	94.05	ug/l	98
86) p-Isopropyltoluene	12.87	119	1782611	95.62	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	1126594	97.90	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	1068911	94.38	ug/l	95
89) n-Butylbenzene	13.19	91	1845773	99.28	ug/l	99
90) Hexachloroethane	13.39	117	513452	109.69	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	878967	90.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	103477	119.47	ug/l #	58

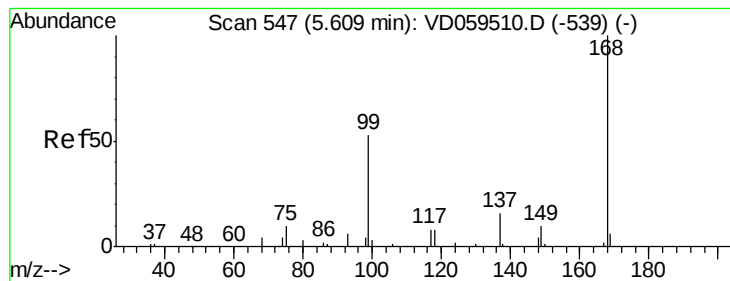
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
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Quant Title : SW846 8260
QLast Update : Tue Jul 03 00:52:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	866484	97.75	ug/l	97
94) Hexachlorobutadiene	14.43	225	679647	101.79	ug/l	100
95) Naphthalene	14.51	128	1288874	101.93	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	785337	98.34	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

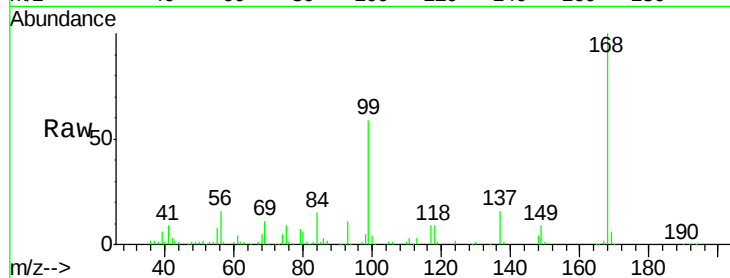
VSTDIC100

Tot Ion:168 Resp: 631564

Ion Ratio Lower Upper

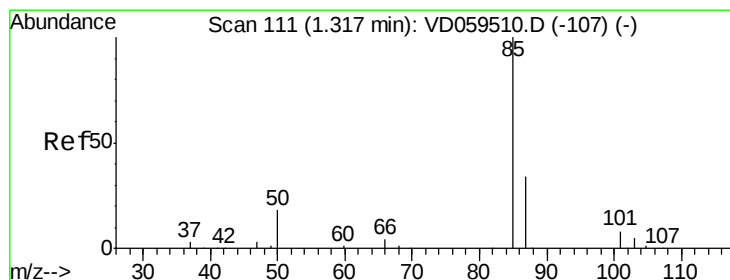
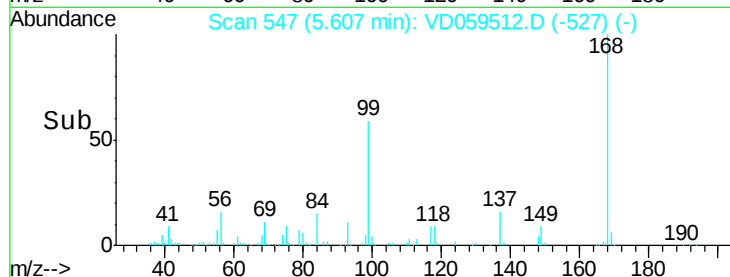
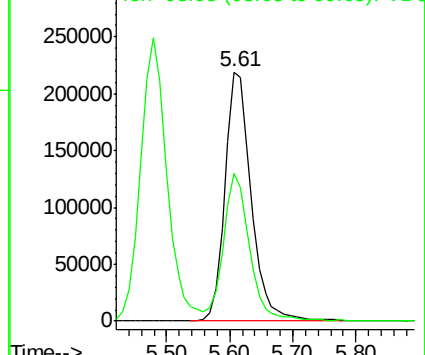
168 100

99 59.1 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 137.75 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059512.D

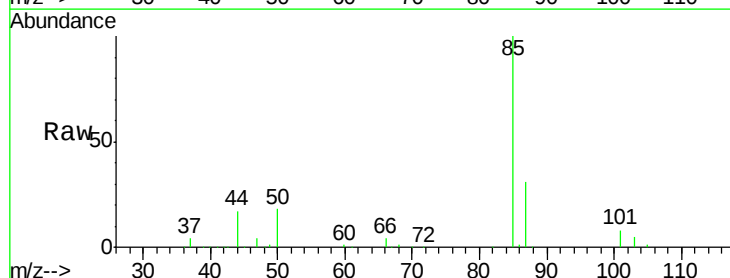
Acq: 2 Jul 2018 19:29

Tgt Ion: 85 Resp: 870823

Ion Ratio Lower Upper

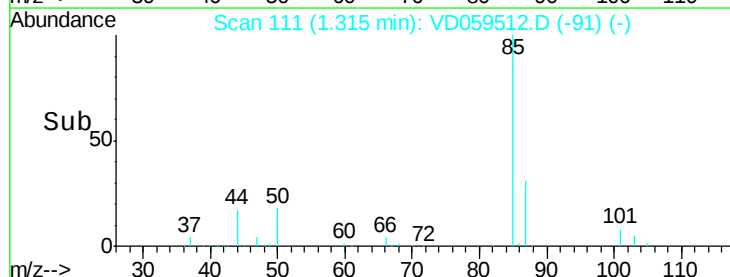
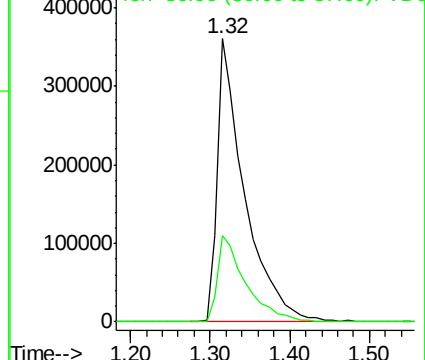
85 100

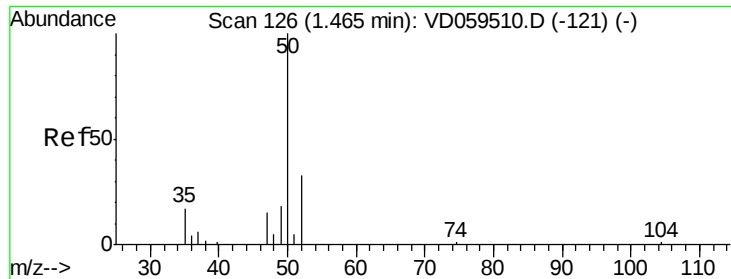
87 30.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 125.79 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

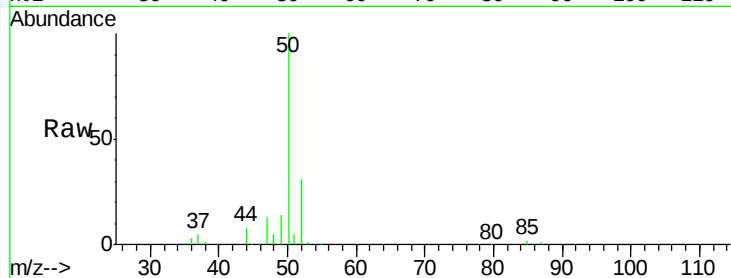
VSTDIC100

Tot Ion: 50 Resp: 398415

Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.47

100000

80000

60000

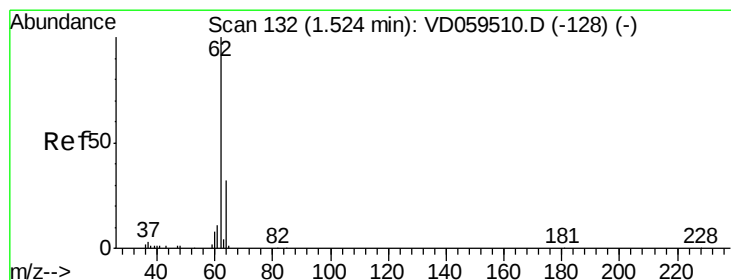
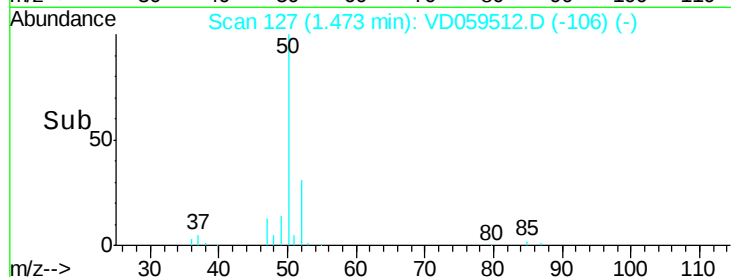
40000

20000

0

1.40 1.50 1.60

Time-->



#4

Vinyl Chloride

Concen: 129.11 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059512.D

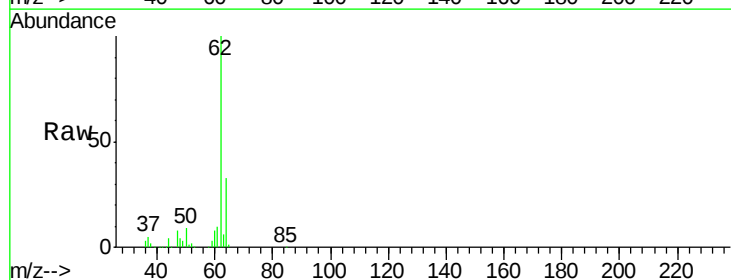
Acq: 2 Jul 2018 19:29

Tgt Ion: 62 Resp: 425743

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.53

200000

150000

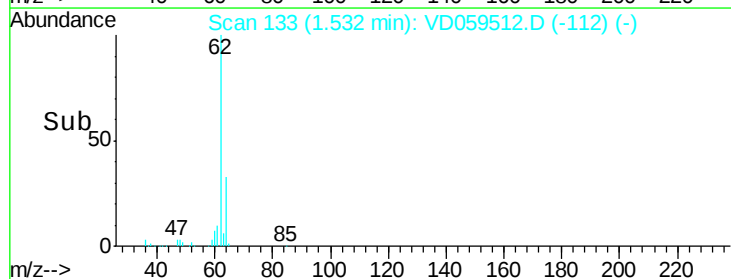
100000

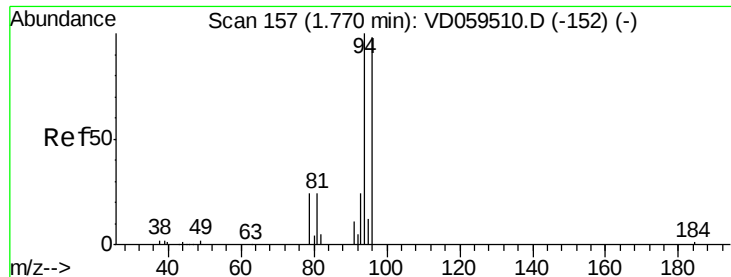
50000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 99.39 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

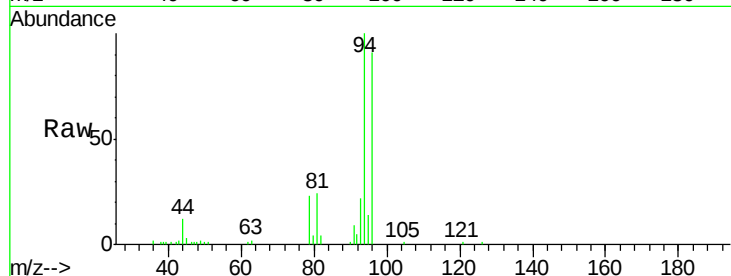
VSTDIC100

Tot Ion: 94 Resp: 125858

Ion Ratio Lower Upper

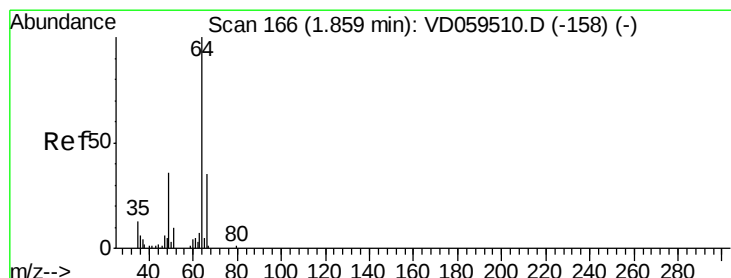
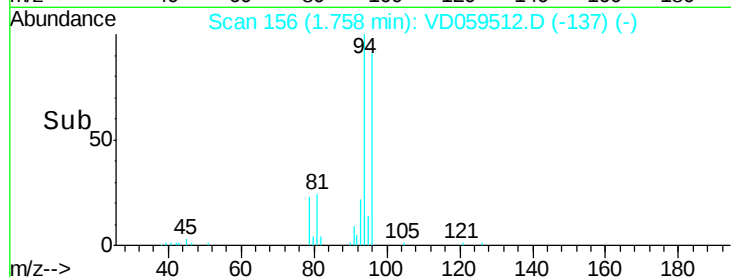
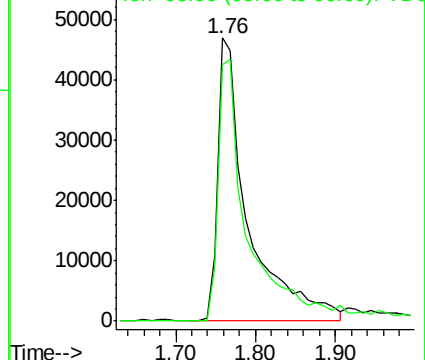
94 100

96 90.5 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 99.42 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059512.D

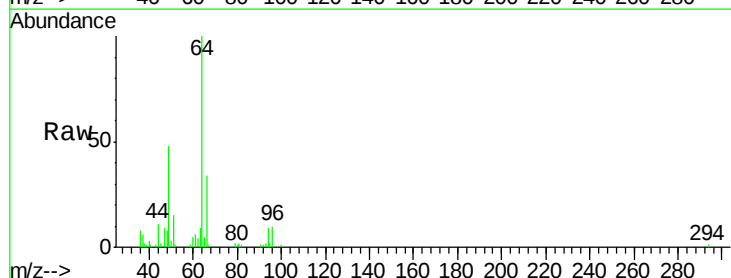
Acq: 2 Jul 2018 19:29

Tgt Ion: 64 Resp: 138428

Ion Ratio Lower Upper

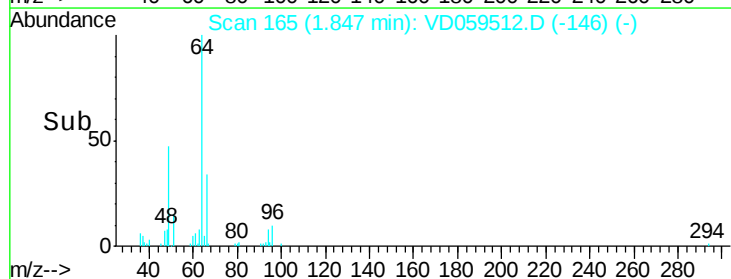
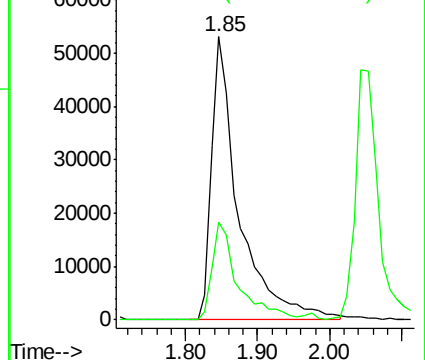
64 100

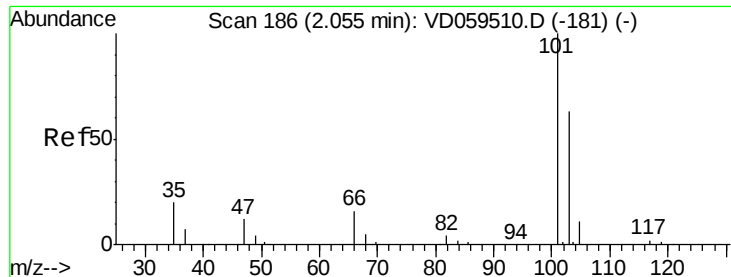
66 34.4 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



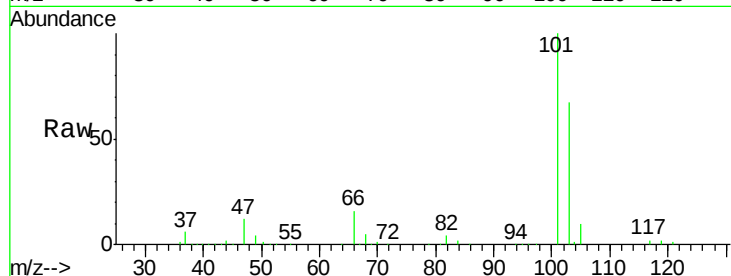


#7

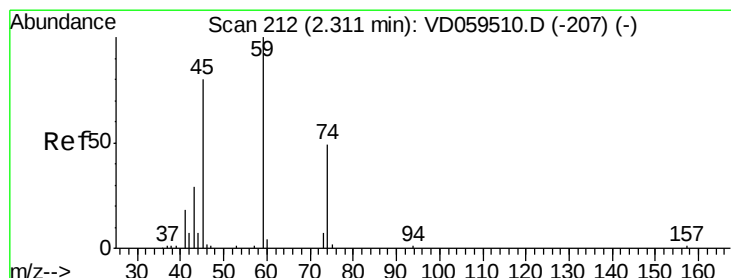
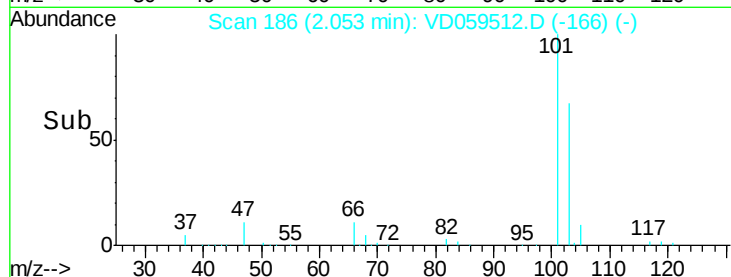
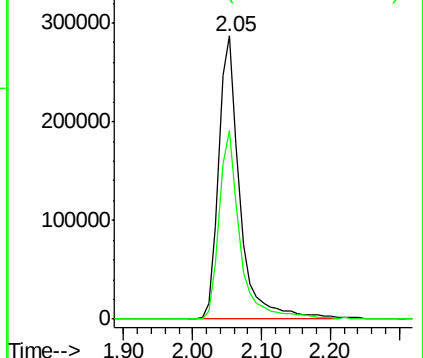
Trichlorofluoromethane
 Concen: 127.28 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 613763
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.6 76.0



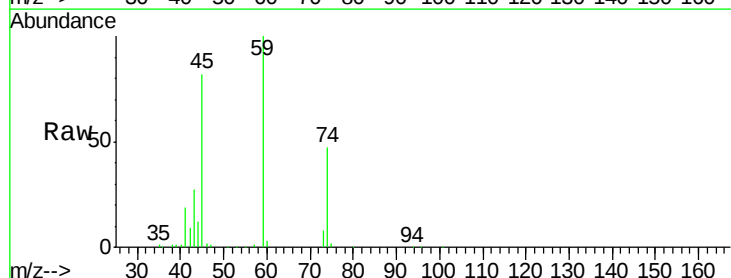
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



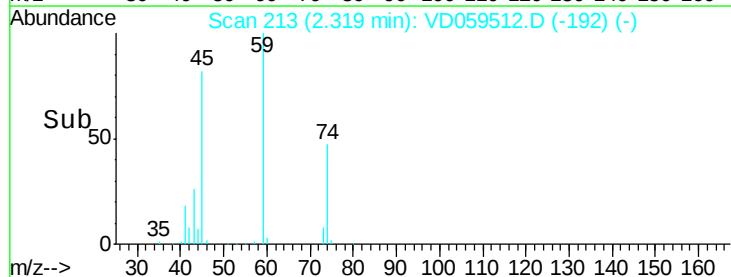
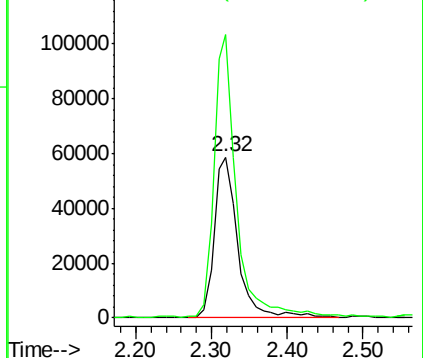
#8

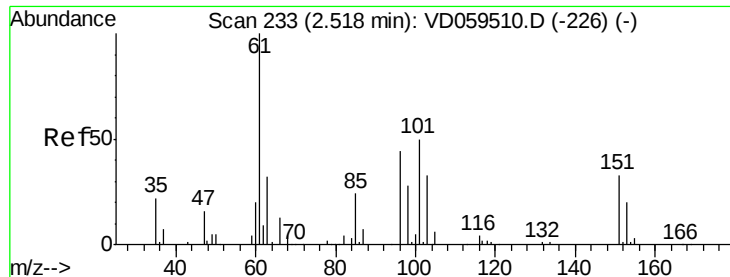
Diethyl Ether
 Concen: 122.59 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 74 Resp: 128689
 Ion Ratio Lower Upper
 74 100
 45 175.9 83.5 250.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 129.04 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

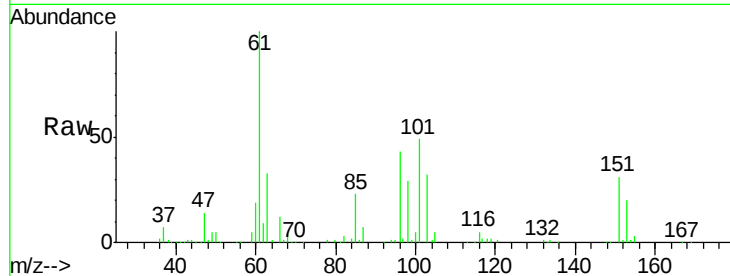
Tot Ion:101 Resp: 385539

Ion Ratio Lower Upper

101 100

85 47.2 38.8 58.2

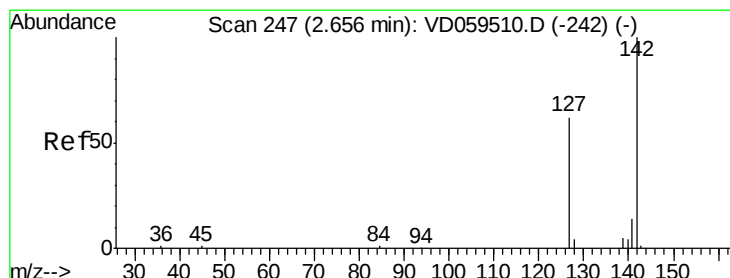
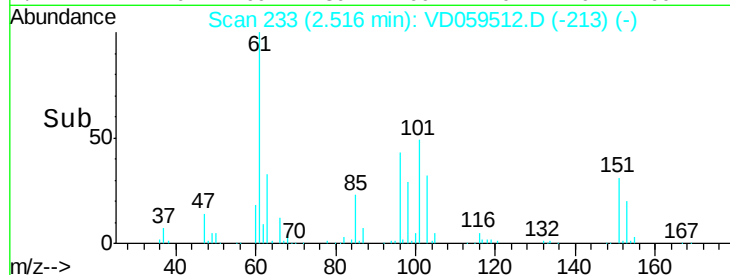
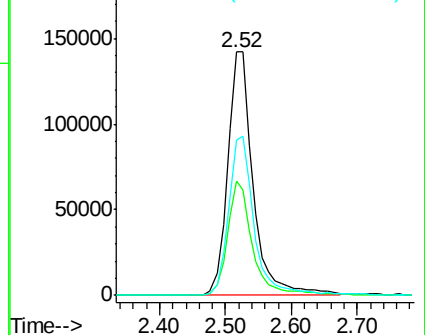
151 63.5 52.6 79.0



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: 134.99 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

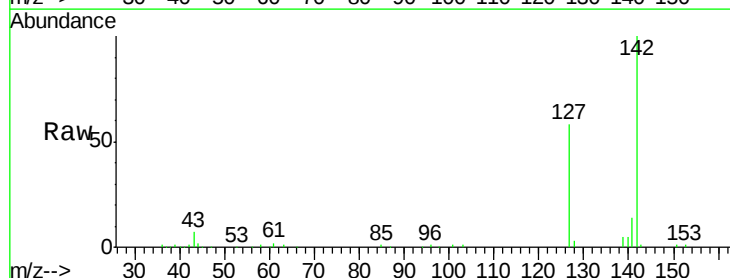
Tgt Ion:142 Resp: 462418

Ion Ratio Lower Upper

142 100

127 58.4 49.8 74.8

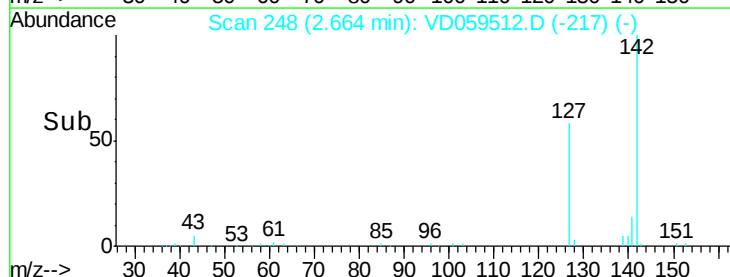
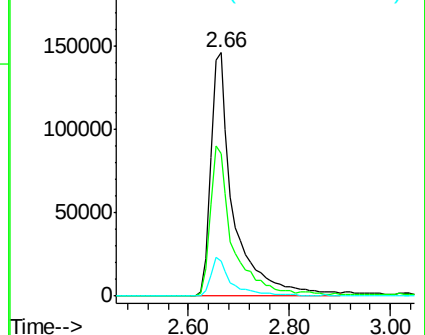
141 14.4 11.1 16.7

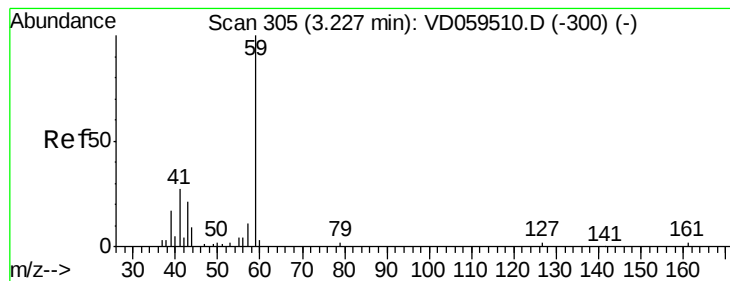


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



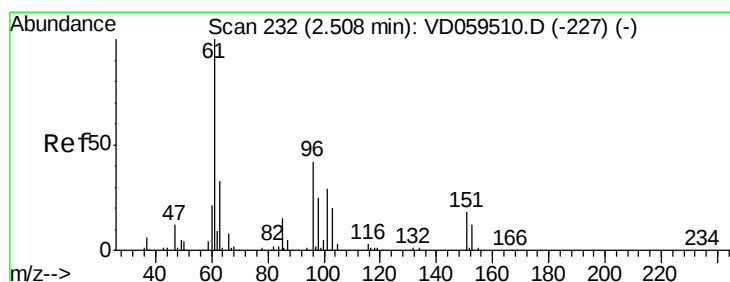
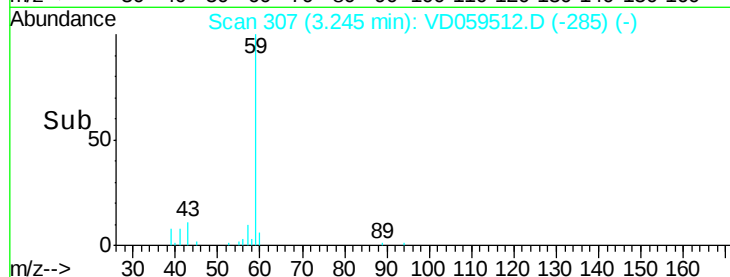
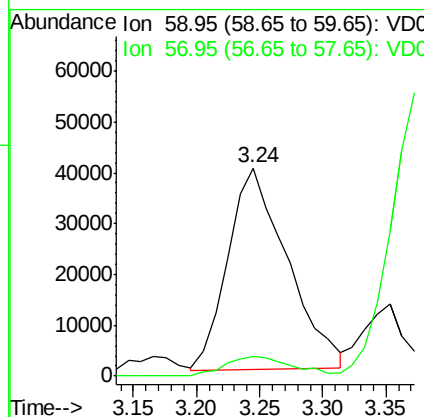
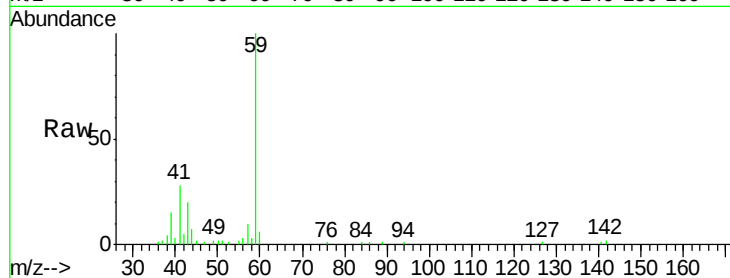


#11

Tert butyl alcohol
 Concen: 561.58 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

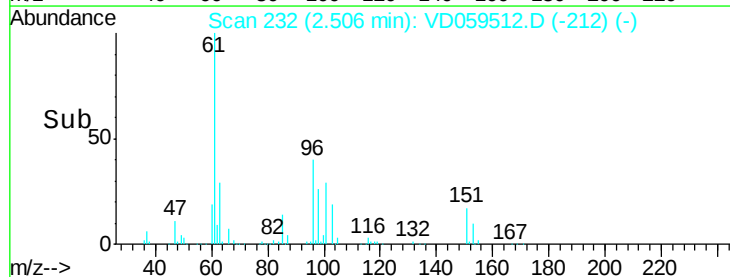
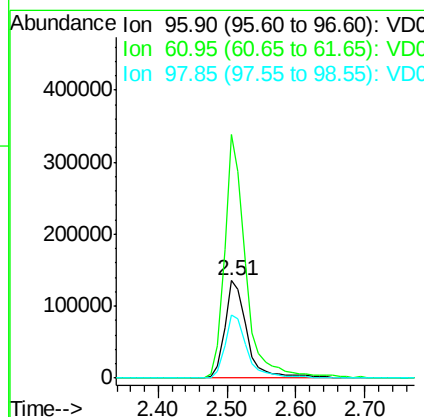
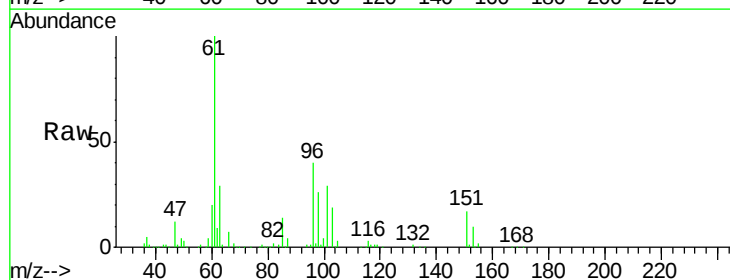
Tot Ion: 59 Resp: 129294
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.6 12.8

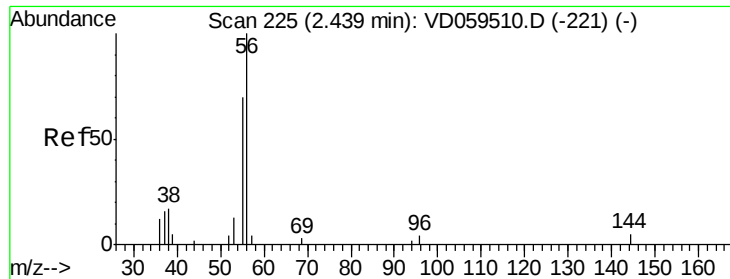


#12

1,1-Dichloroethene
 Concen: 131.33 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 96 Resp: 303444
 Ion Ratio Lower Upper
 96 100
 61 249.9 189.4 284.0
 98 65.3 47.9 71.9





#13

Acrolein

Concen: 331.46 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

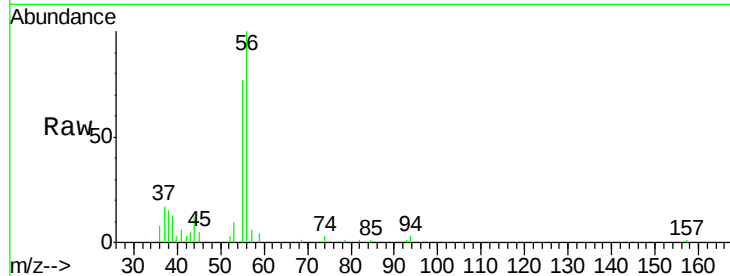
VSTDIC100

Tot Ion: 56 Resp: 62672

Ion Ratio Lower Upper

56 100

55 76.8 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.45

25000

20000

15000

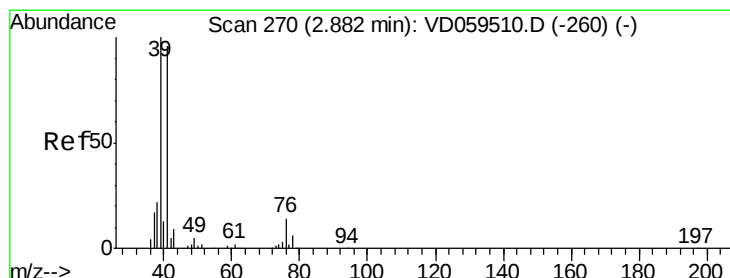
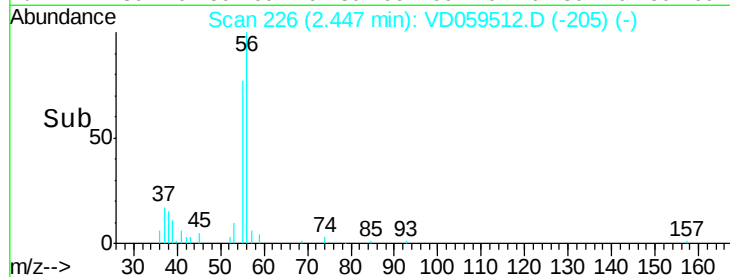
10000

5000

0

Time-->

2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 129.39 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

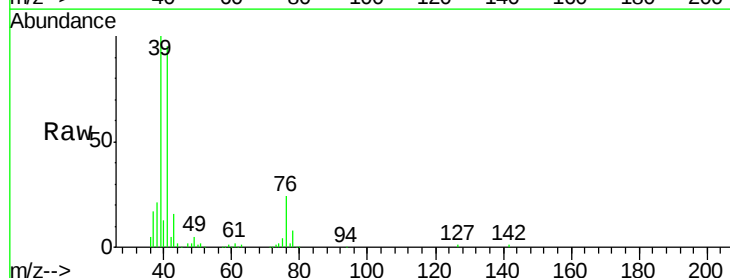
Tgt Ion: 41 Resp: 674533

Ion Ratio Lower Upper

41 100

39 105.5 83.8 125.8

76 25.1 18.4 27.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

600000

500000

400000

300000

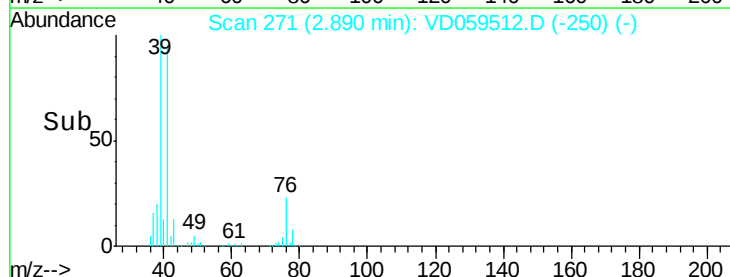
200000

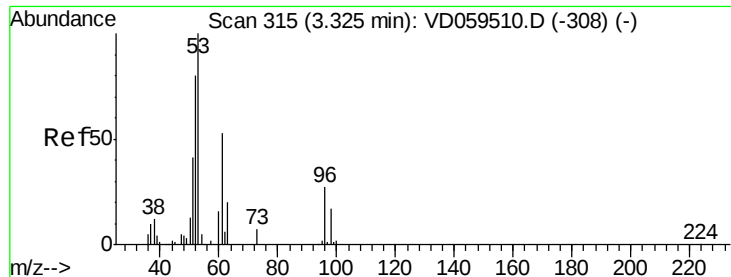
100000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 549.71 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

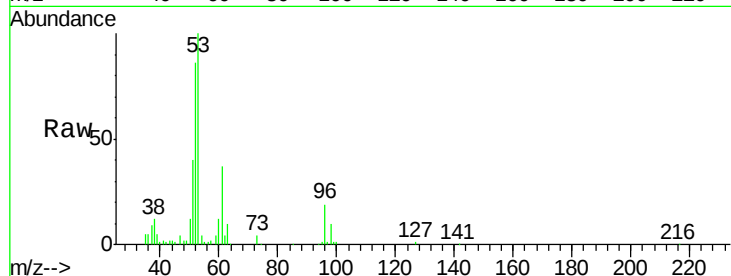
Tot Ion: 53 Resp: 390170

Ion Ratio Lower Upper

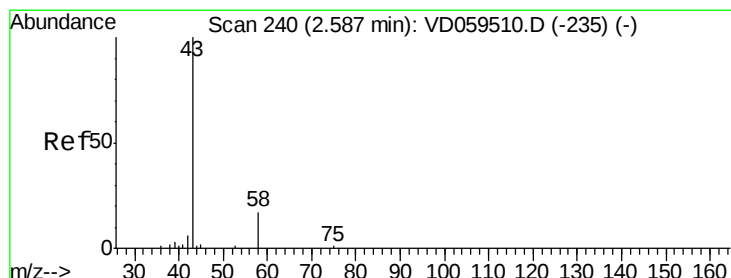
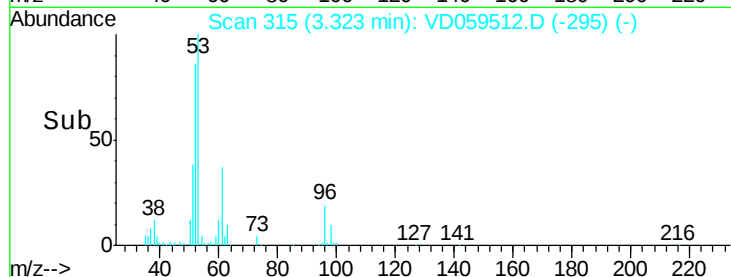
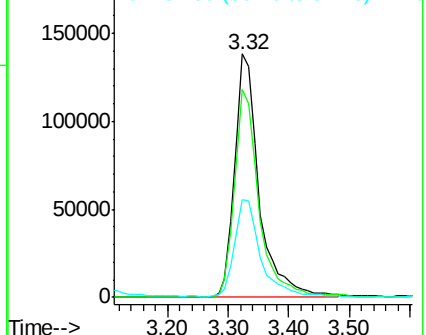
53 100

52 85.5 64.3 96.5

51 40.1 33.0 49.4



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: 584.42 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059512.D

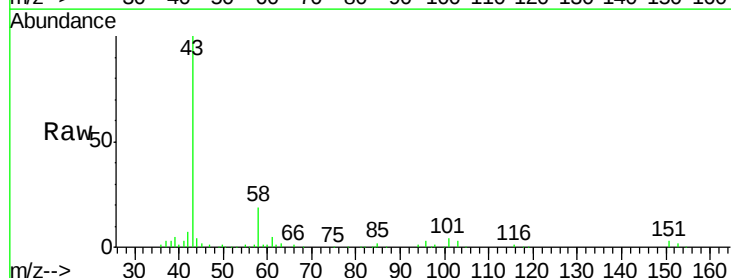
Acq: 2 Jul 2018 19:29

Tgt Ion: 43 Resp: 516166

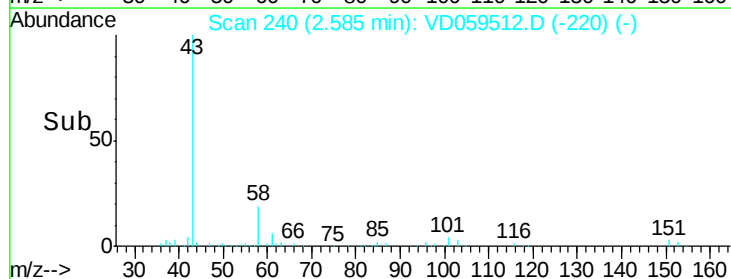
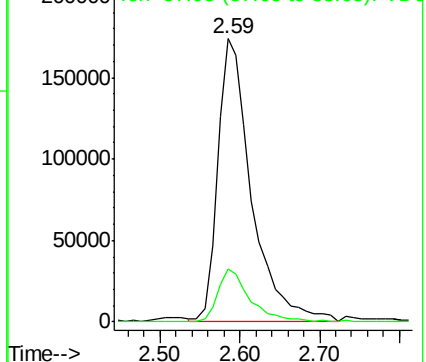
Ion Ratio Lower Upper

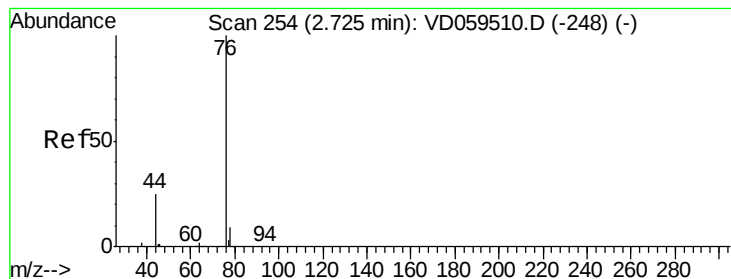
43 100

58 18.8 13.8 20.8



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





#17

Carbon Disulfide

Concen: 146.44 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

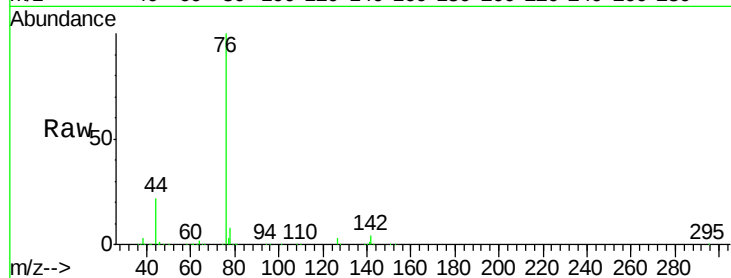
VSTDIC100

Tot Ion: 76 Resp: 1057477

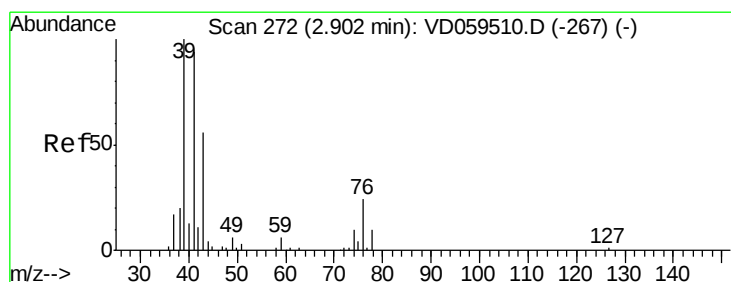
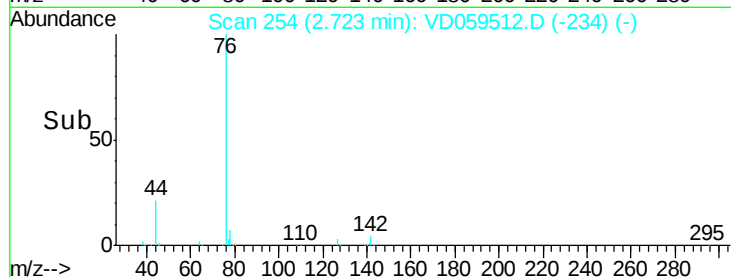
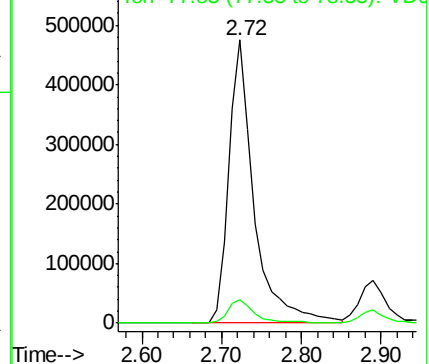
Ion Ratio Lower Upper

76 100

78 8.4 6.9 10.3



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



#18

Methyl Acetate

Concen: 100.73 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059512.D

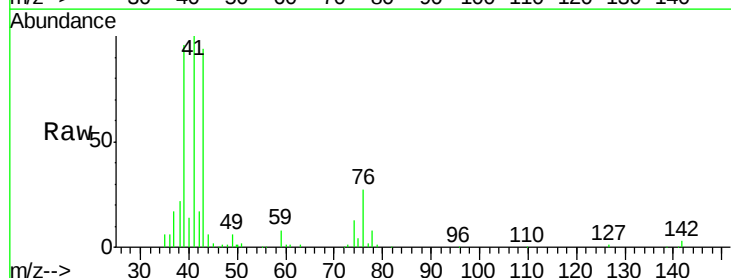
Acq: 2 Jul 2018 19:29

Tgt Ion: 43 Resp: 214973

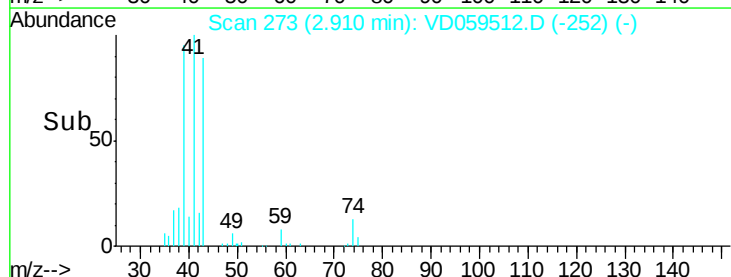
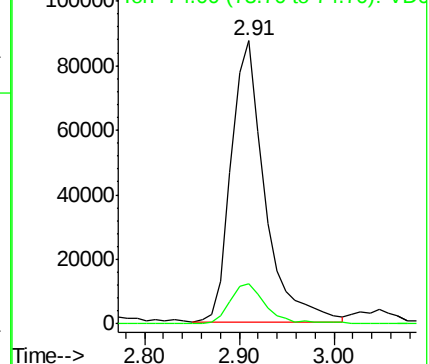
Ion Ratio Lower Upper

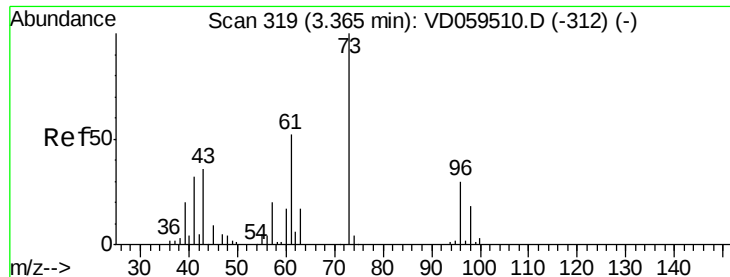
43 100

74 14.0 13.8 20.8



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



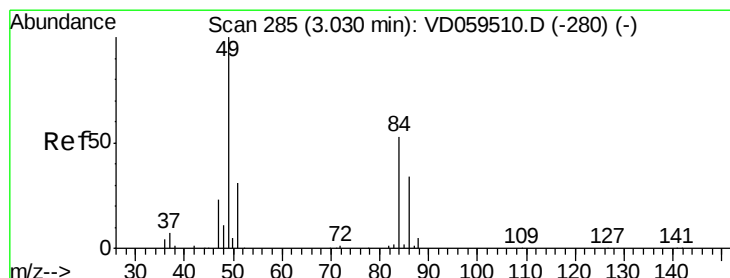
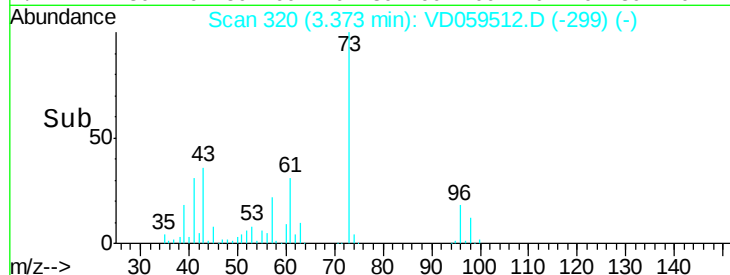
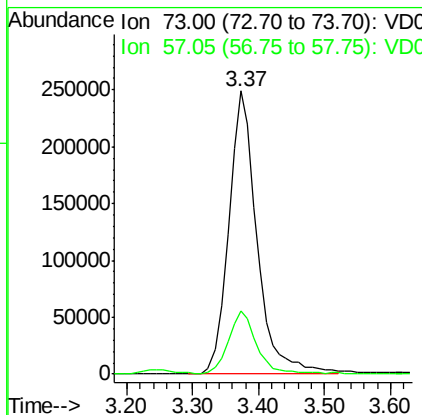
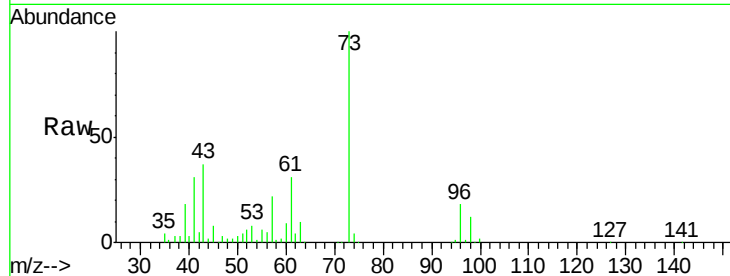


#19

Methyl tert-butyl Ether
 Concen: 75.24 ug/l
 RT: 3.37 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

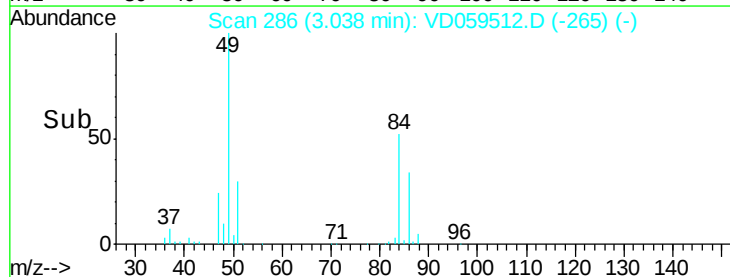
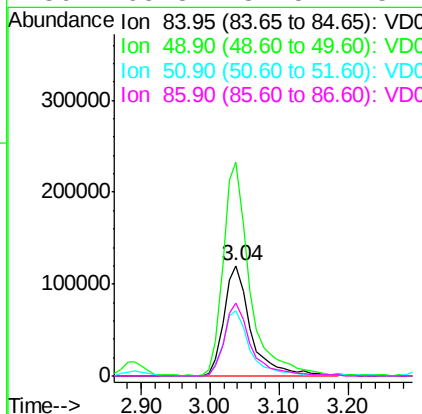
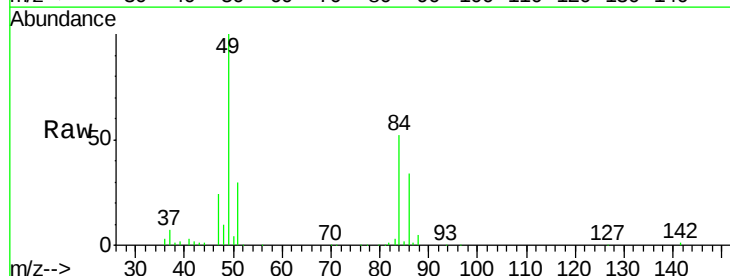
Tot Ion: 73 Resp: 748259
 Ion Ratio Lower Upper
 73 100
 57 22.4 16.5 24.7

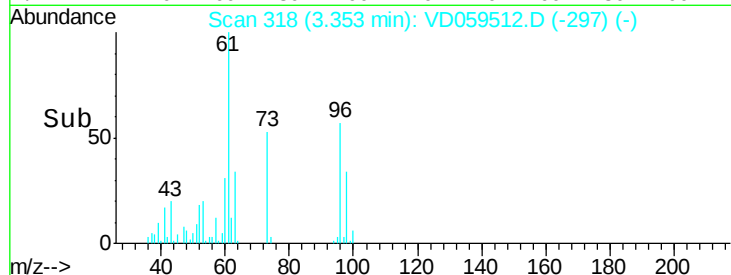
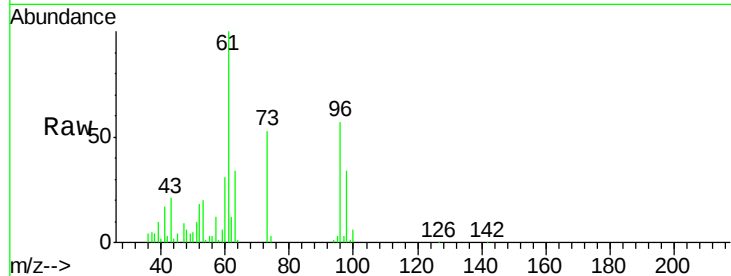
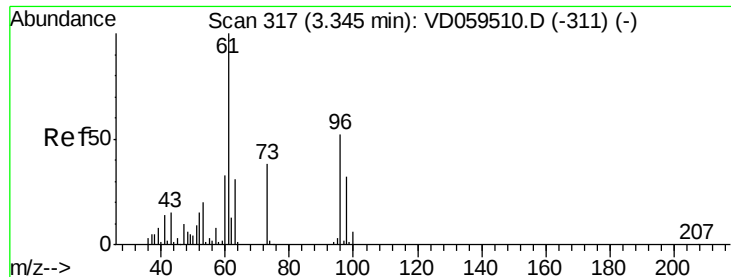


#20

Methylene Chloride
 Concen: 115.93 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 84 Resp: 325940
 Ion Ratio Lower Upper
 84 100
 49 193.2 152.2 228.2
 51 58.8 46.5 69.7
 86 65.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 88.89 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

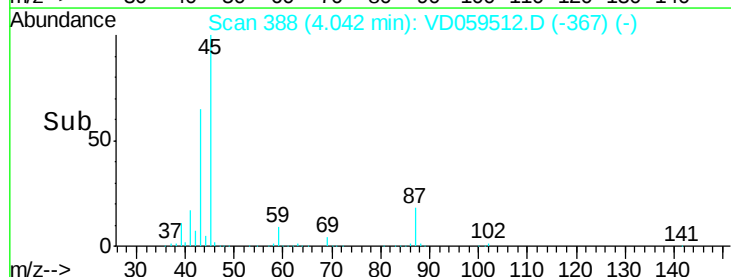
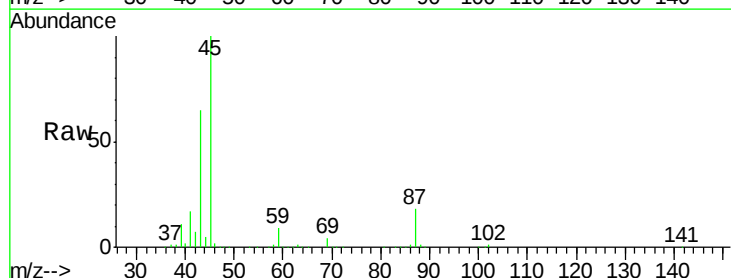
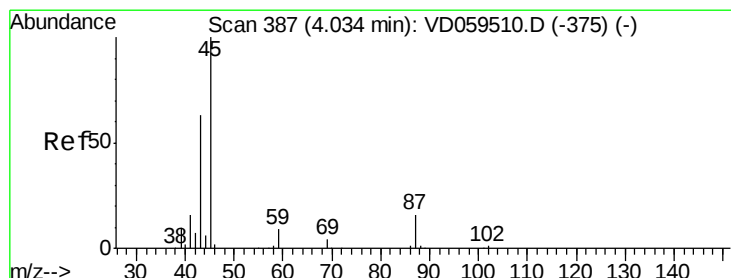
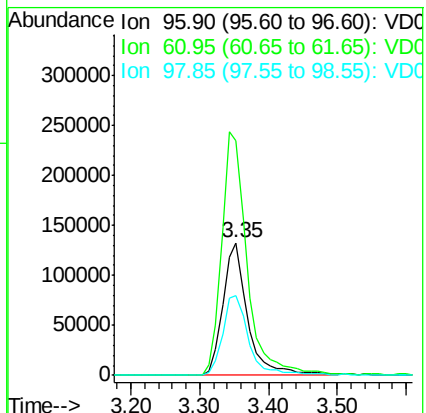
Tot Ion: 96 Resp: 328290

Ion Ratio Lower Upper

96 100

61 176.7 154.7 232.1

98 59.6 49.9 74.9



#22

Diisopropyl ether

Concen: 117.61 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Tgt Ion: 45 Resp: 2281093

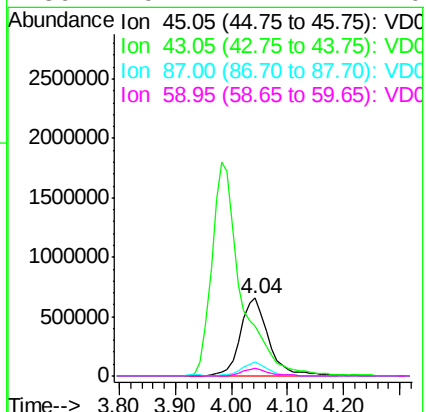
Ion Ratio Lower Upper

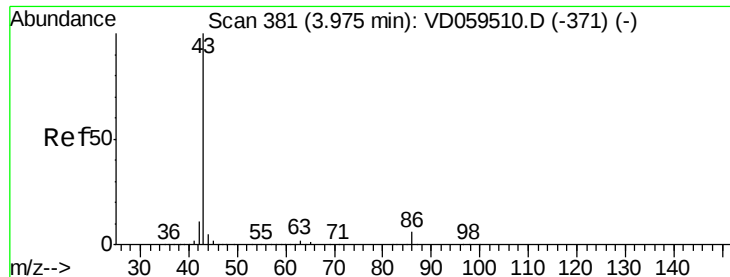
45 100

43 64.5 50.7 76.1

87 17.7 13.4 20.0

59 9.4 7.4 11.0





#23

Vinyl Acetate

Concen: 632.72 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

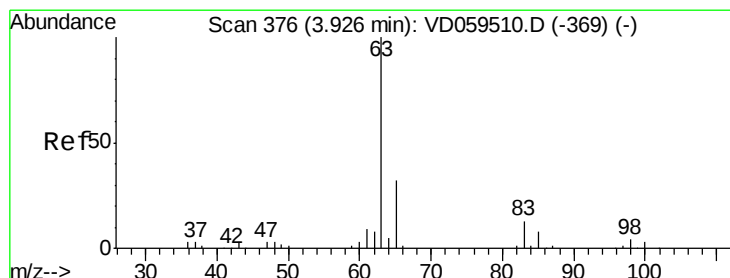
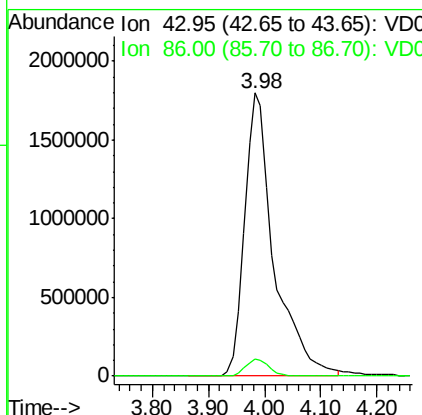
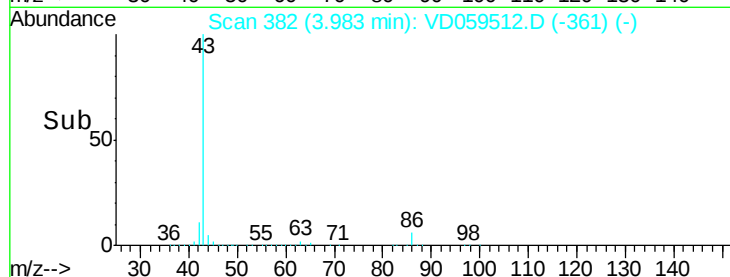
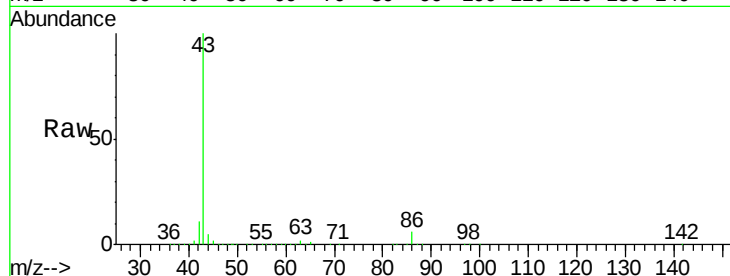
VSTDIC100

Tot Ion: 43 Resp: 6516165

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.4



#24

1,1-Dichloroethane

Concen: 113.16 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

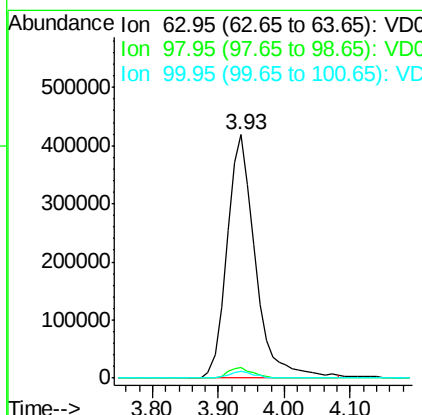
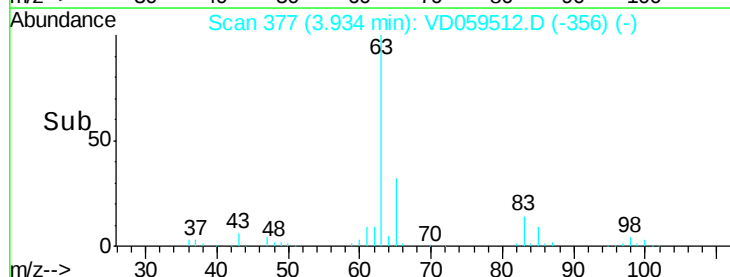
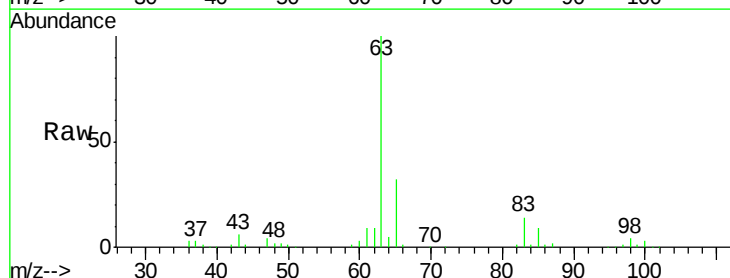
Tgt Ion: 63 Resp: 1261548

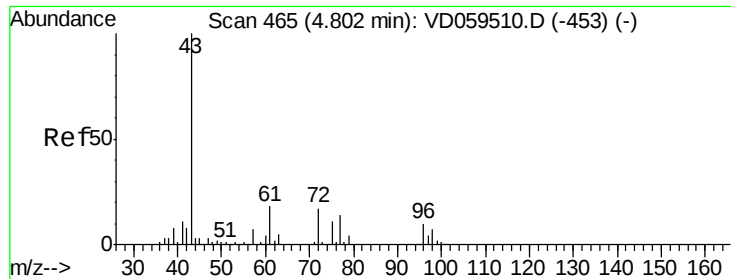
Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

100 2.7 1.5 4.4





#25

2-Butanone

Concen: 606.52 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

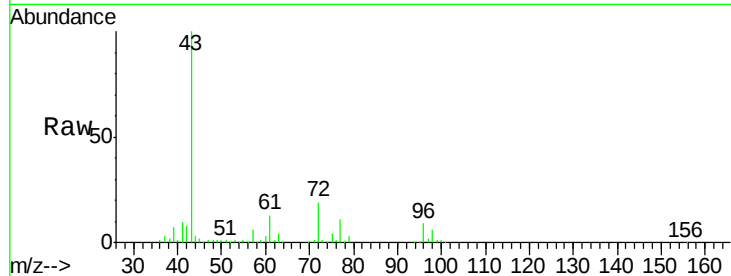
VSTDIC100

Tot Ion: 43 Resp: 1114204

Ion Ratio Lower Upper

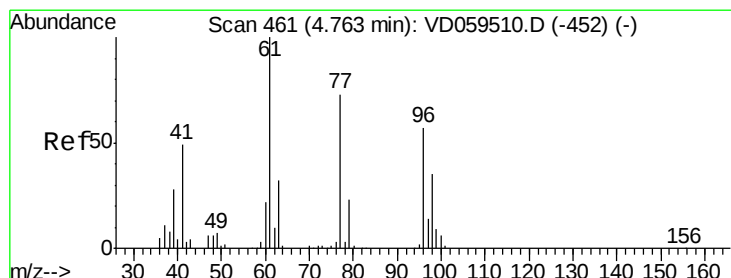
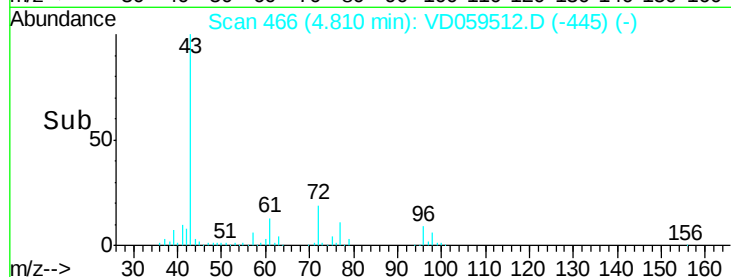
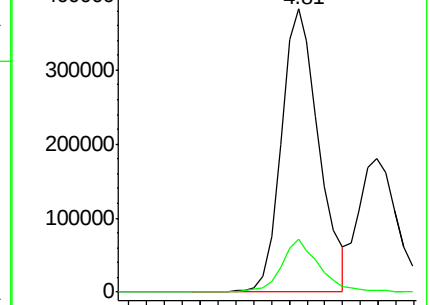
43 100

72 18.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 120.03 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059512.D

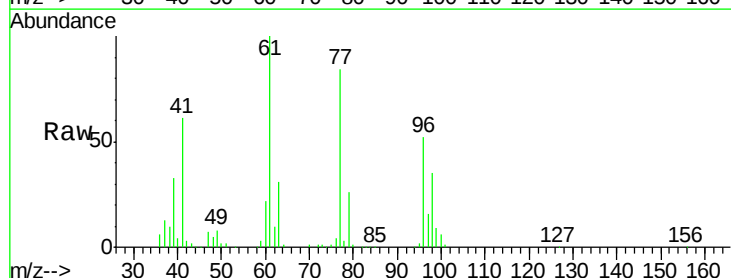
Acq: 2 Jul 2018 19:29

Tgt Ion: 77 Resp: 1043611

Ion Ratio Lower Upper

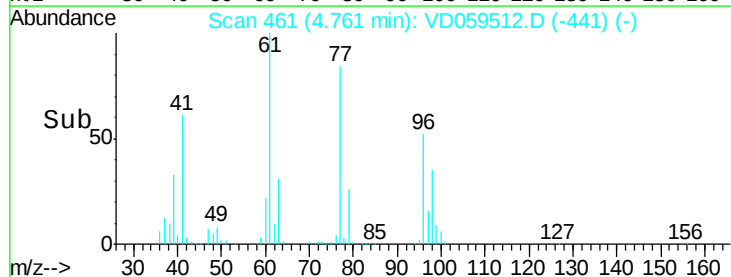
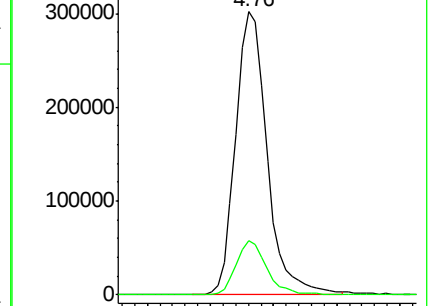
77 100

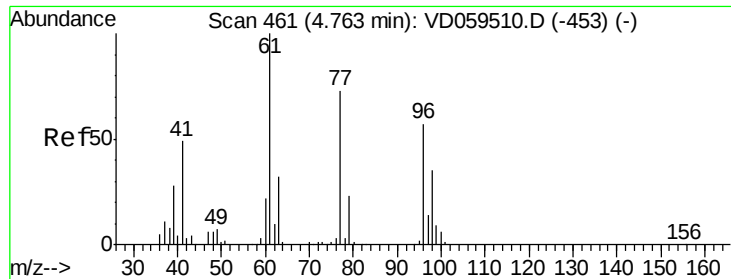
97 19.1 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



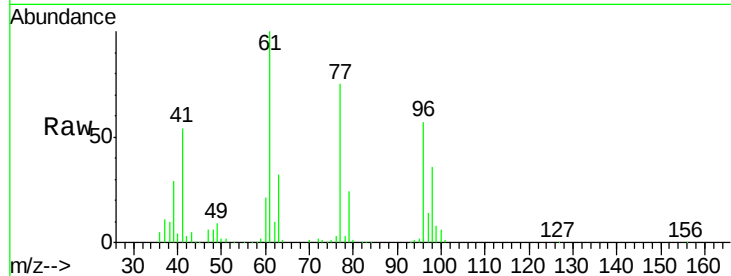


#27

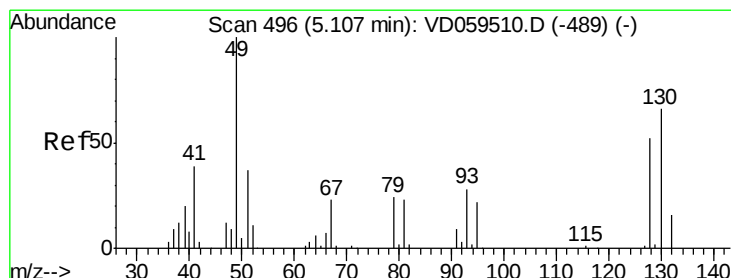
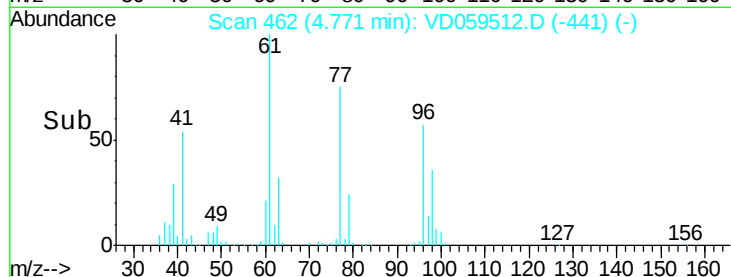
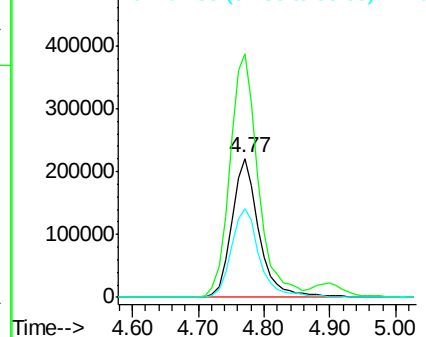
cis-1,2-Dichloroethene
Concen: 96.76 ug/l
RT: 4.77 min Scan# 462
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 96 Resp: 636883
Ion Ratio Lower Upper
96 100
61 175.5 0.0 350.8
98 64.0 0.0 123.4



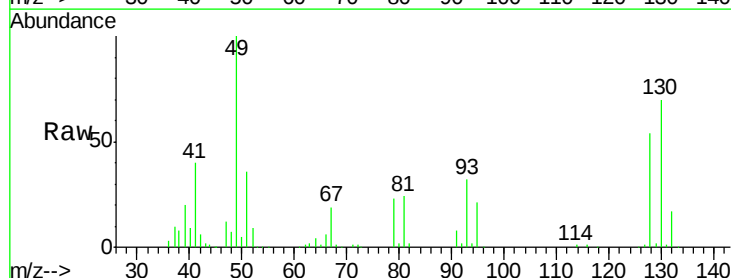
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



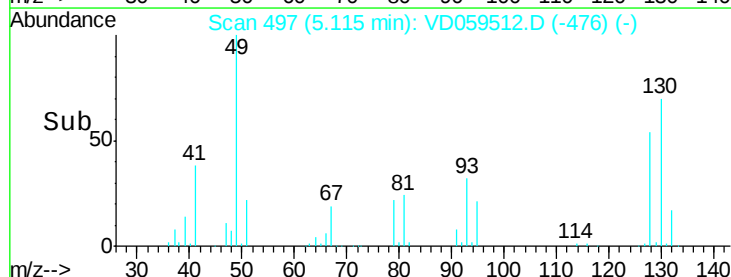
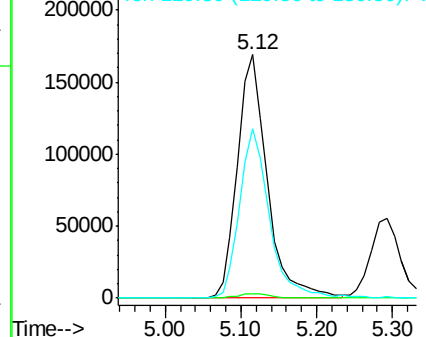
#28

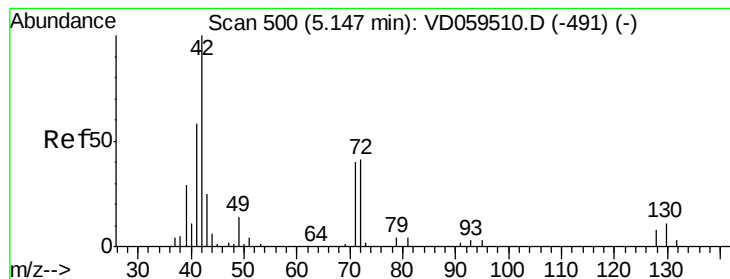
Bromochloromethane
Concen: 101.82 ug/l
RT: 5.12 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 49 Resp: 461213
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.4
130 69.5 52.6 78.8



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: 590.31 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

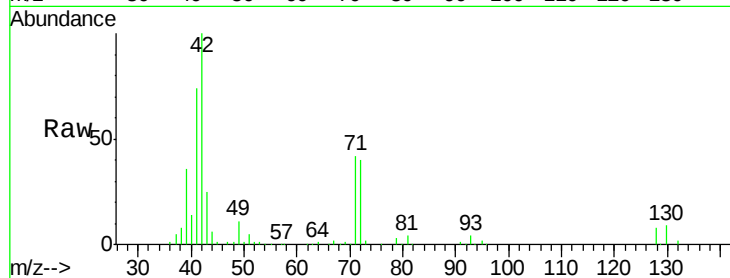
Tot Ion: 42 Resp: 586801

Ion Ratio Lower Upper

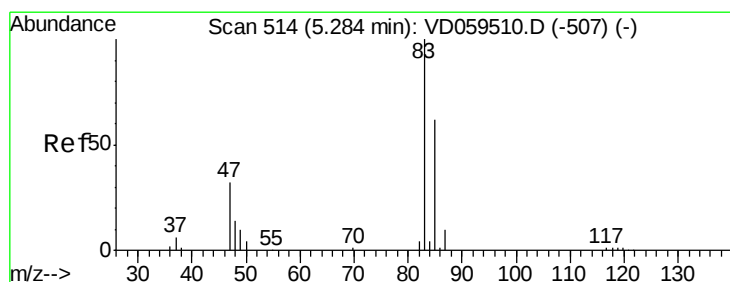
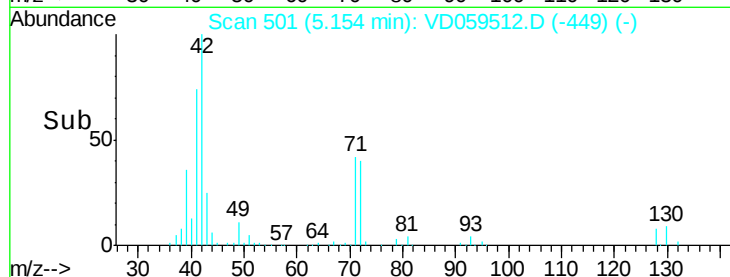
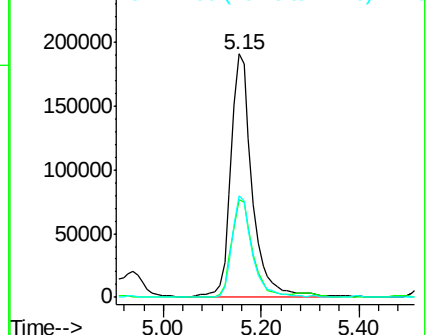
42 100

72 39.0 32.9 49.3

71 38.9 31.6 47.4



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



#30

Chloroform

Concen: 115.45 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.01 min

Lab File: VD059512.D

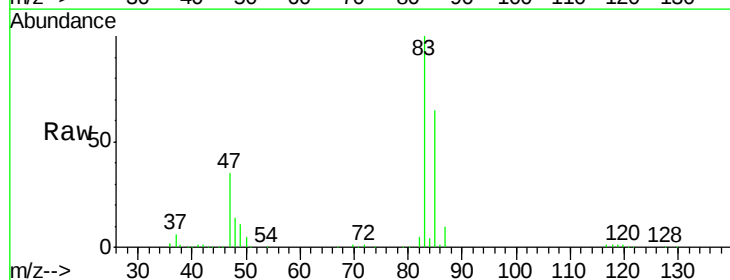
Acq: 2 Jul 2018 19:29

Tgt Ion: 83 Resp: 1385341

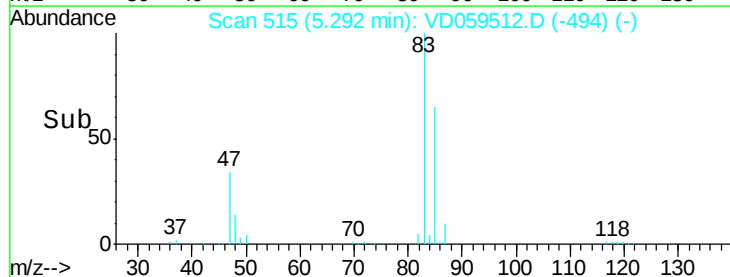
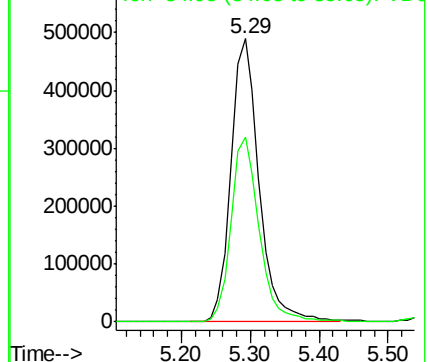
Ion Ratio Lower Upper

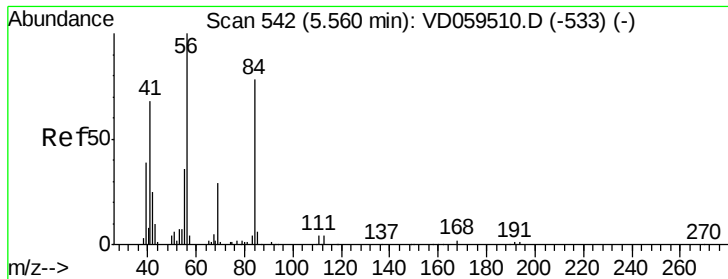
83 100

85 65.2 49.8 74.6



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





#31

Cyclohexane

Concen: 106.80 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

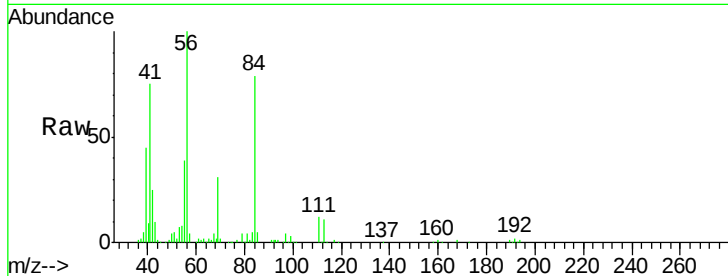
Tot Ion: 56 Resp: 899188

Ion Ratio Lower Upper

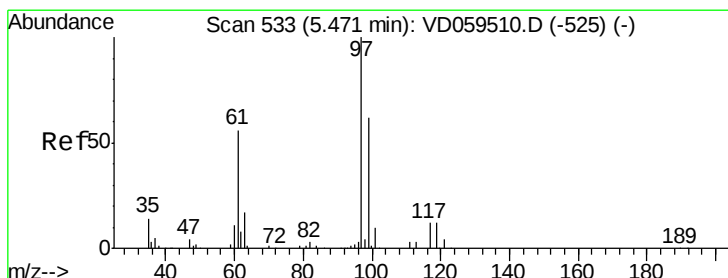
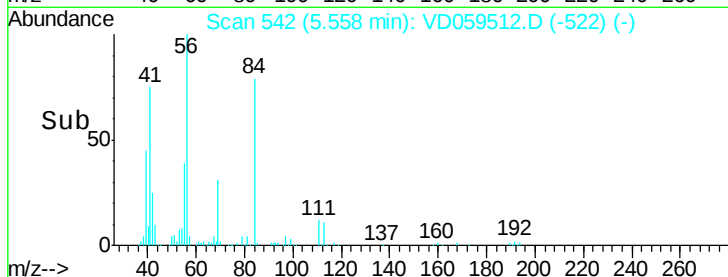
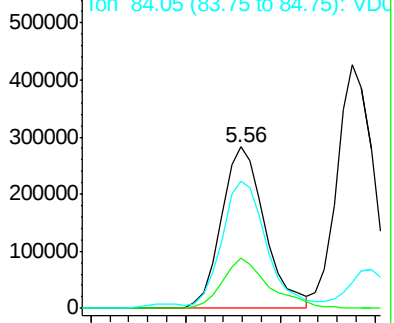
56 100

69 31.0 22.9 34.3

84 79.1 63.4 95.0



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: 118.73 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

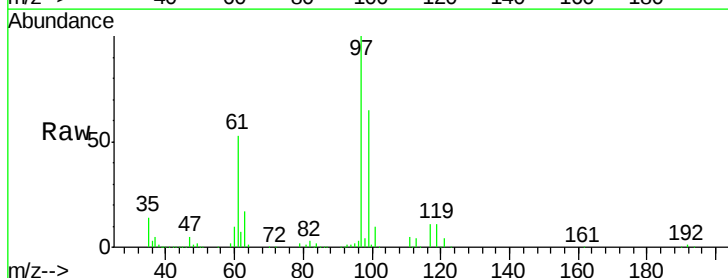
Tgt Ion: 97 Resp: 1144882

Ion Ratio Lower Upper

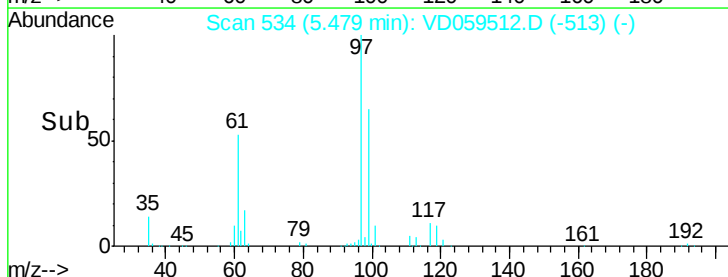
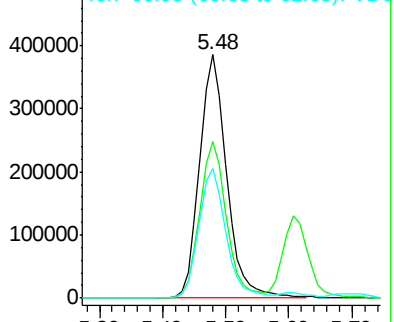
97 100

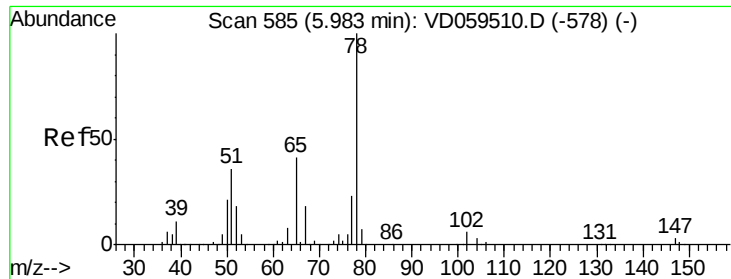
99 64.5 49.6 74.4

61 53.4 44.8 67.2



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: 118.73 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

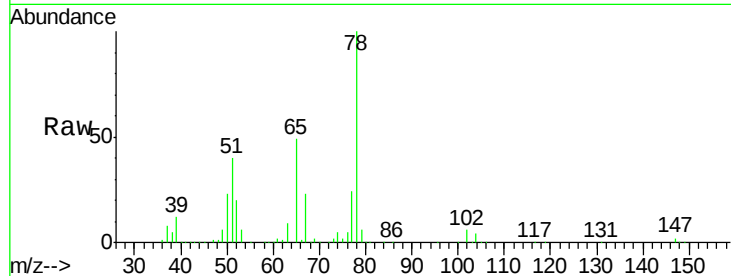
VSTDIC100

Tot Ion: 65 Resp: 819704

Ion Ratio Lower Upper

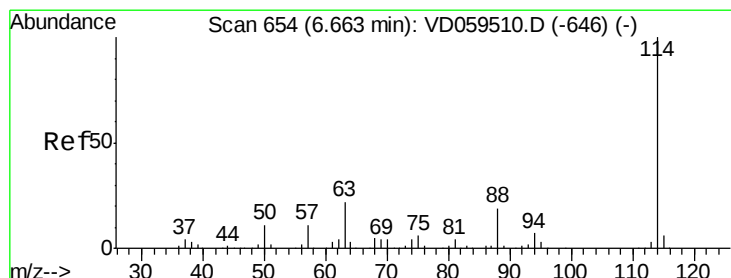
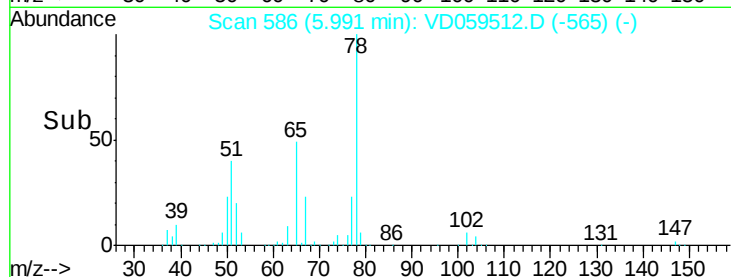
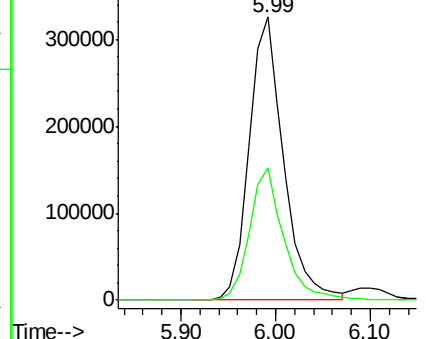
65 100

67 46.6 0.0 90.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

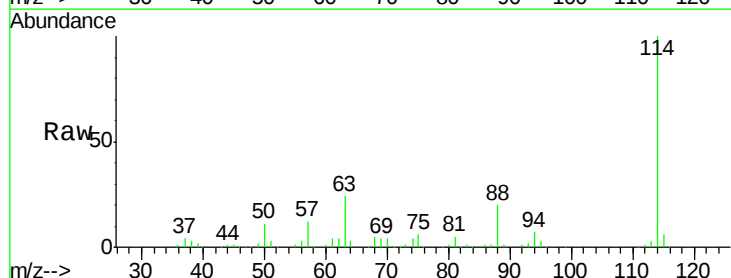
Tgt Ion: 114 Resp: 924881

Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.4

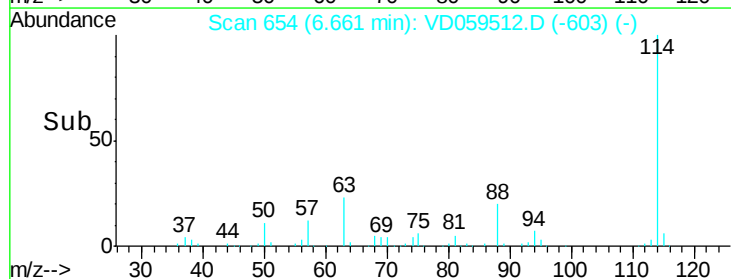
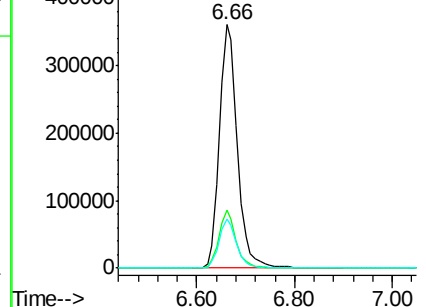
88 20.3 0.0 37.8

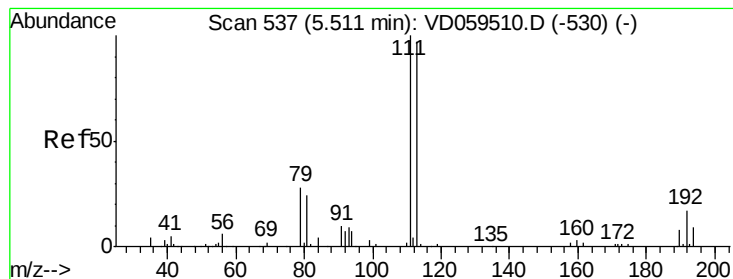


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

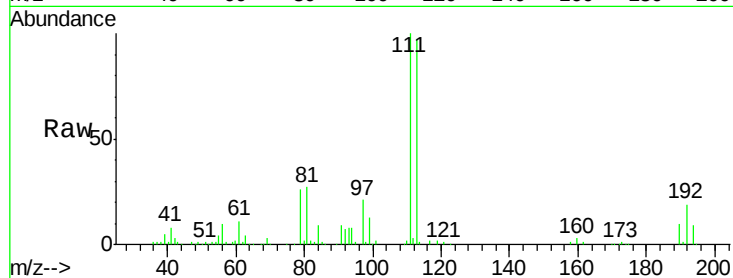
Tot Ion:113 Resp: 766377

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

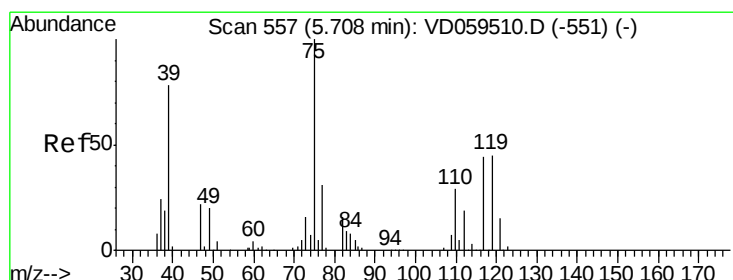
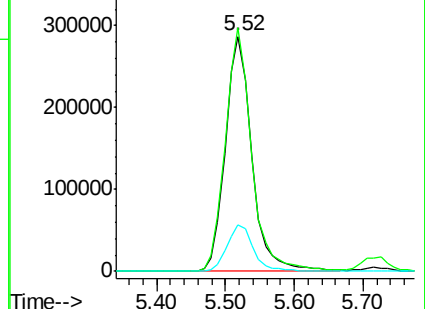
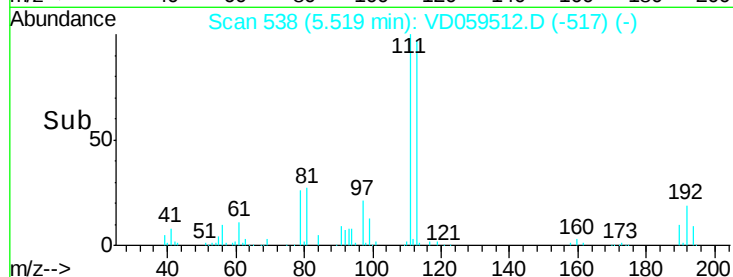
192 20.0 14.2 21.2



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: 102.18 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

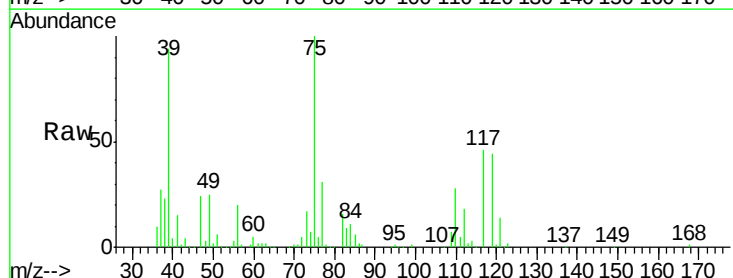
Tgt Ion: 75 Resp: 903222

Ion Ratio Lower Upper

75 100

110 28.1 14.4 43.4

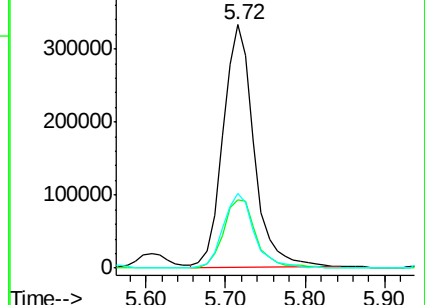
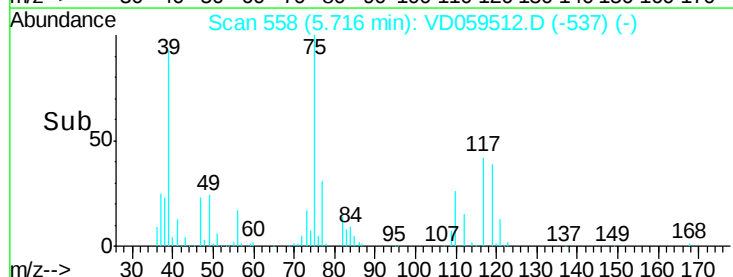
77 30.9 25.0 37.6

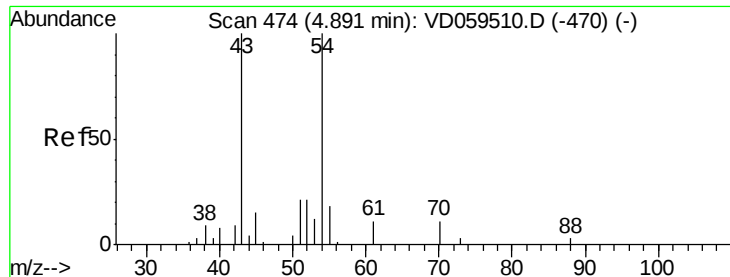


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

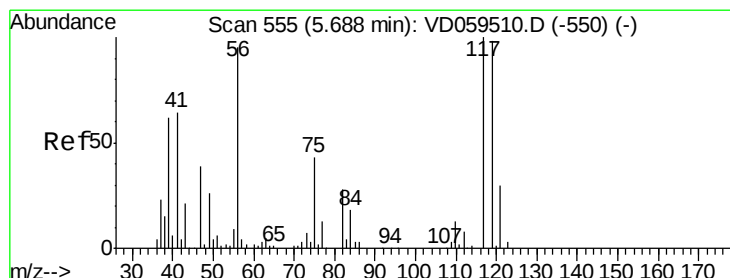
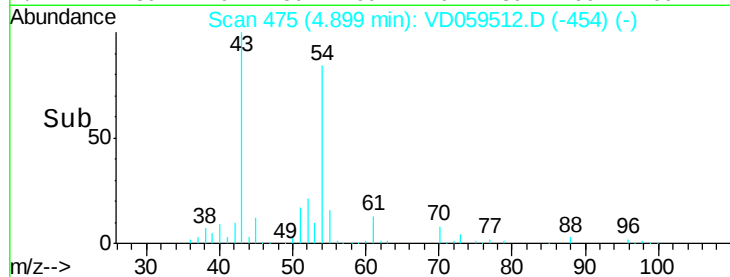
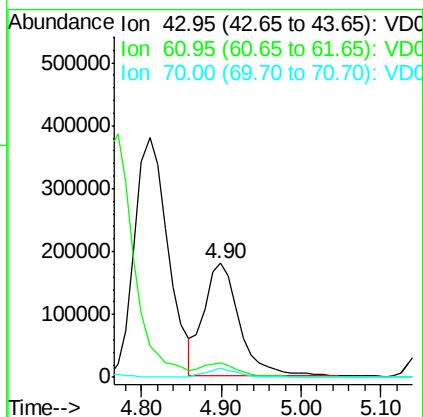
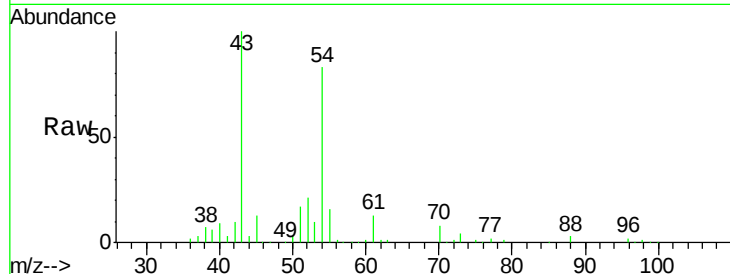




#37
Ethyl Acetate
Concen: 106.41 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

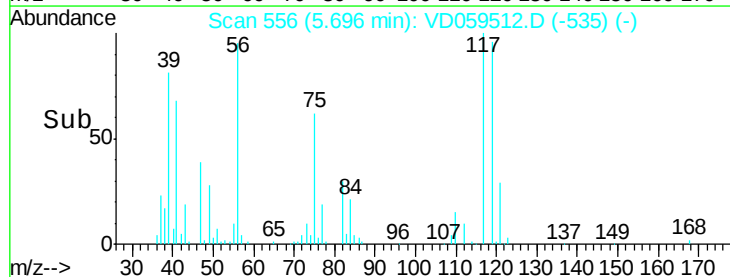
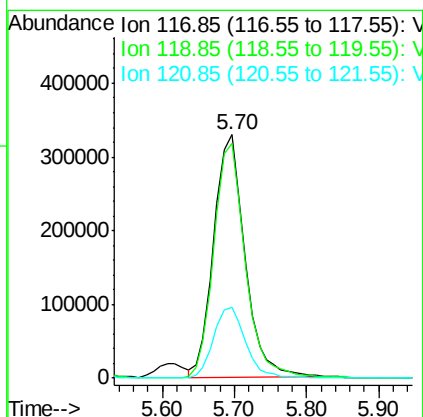
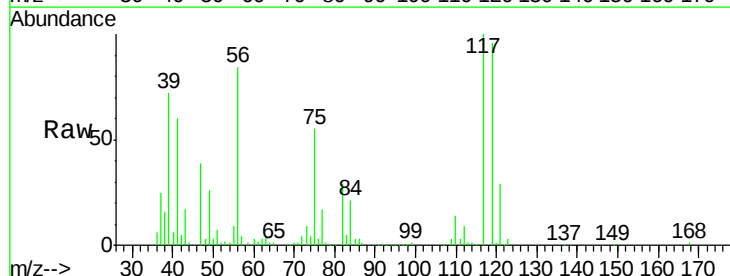
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

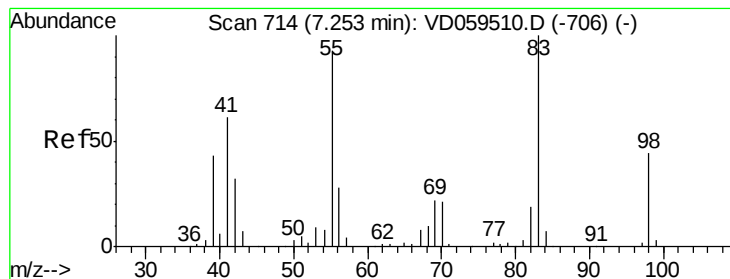
Tot Ion: 43 Resp: 559634
Ion Ratio Lower Upper
43 100
61 13.2 11.5 17.3
70 7.8 6.8 10.2



#38
Carbon Tetrachloride
Concen: 108.38 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 117 Resp: 985050
Ion Ratio Lower Upper
117 100
119 96.2 76.4 114.6
121 29.1 23.9 35.9





#39

Methvlcvclohexane

Concen: 106.81 ug/l

RT: 7.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

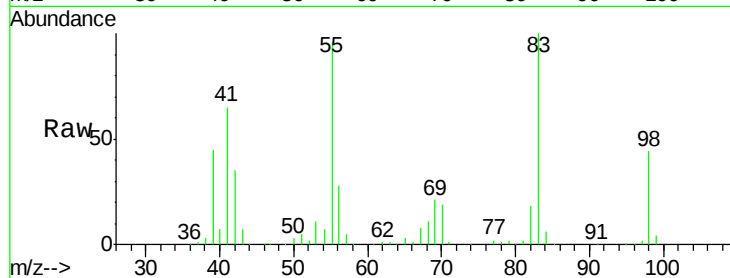
Tot Ion: 83 Resp: 897071

Ion Ratio Lower Upper

83 100

55 95.9 74.2 111.4

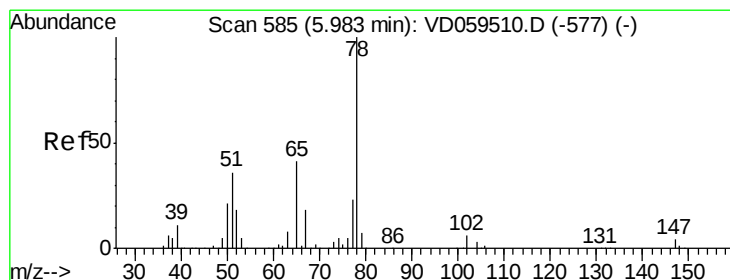
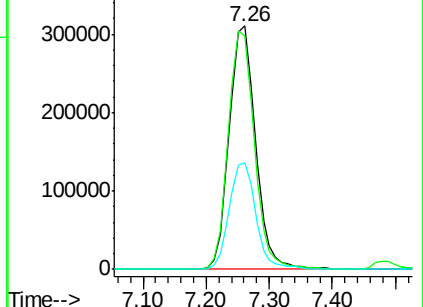
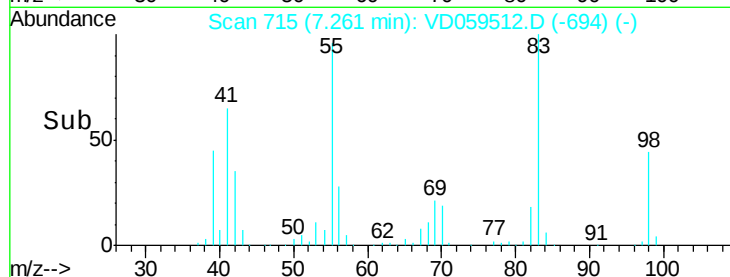
98 43.9 35.5 53.3



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: 96.73 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059512.D

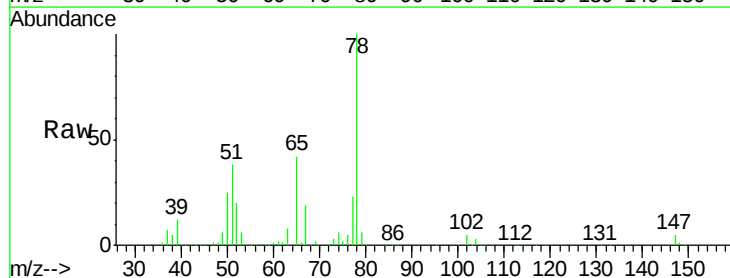
Acq: 2 Jul 2018 19:29

Tgt Ion: 78 Resp: 2049567

Ion Ratio Lower Upper

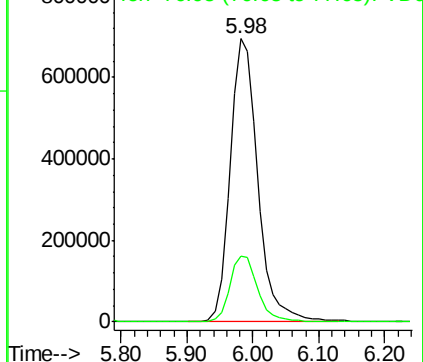
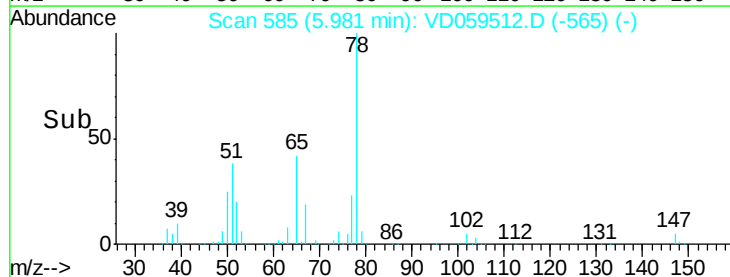
78 100

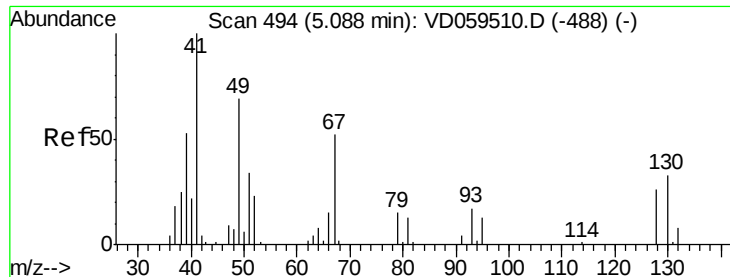
77 23.3 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

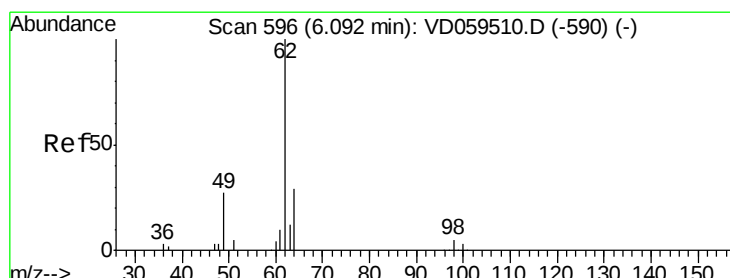
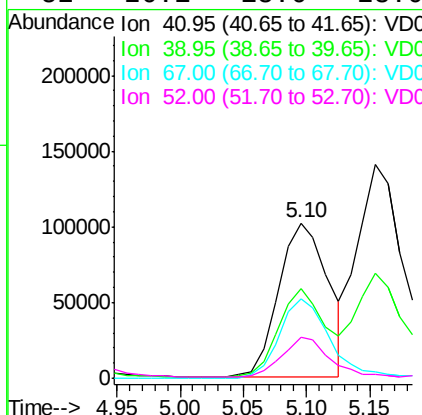
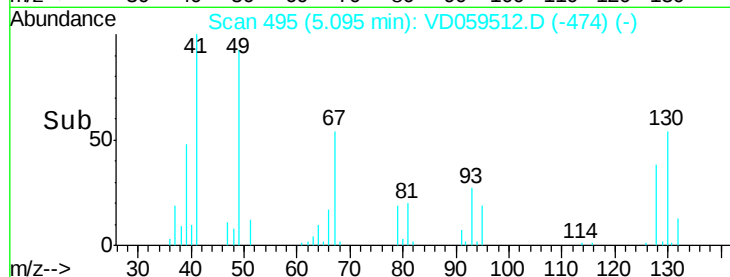
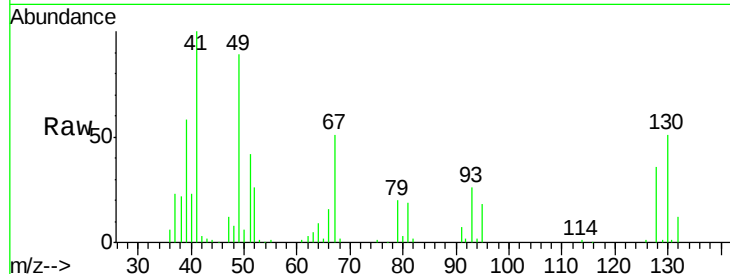




#41
Methacrylonitrile
Concen: 108.63 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

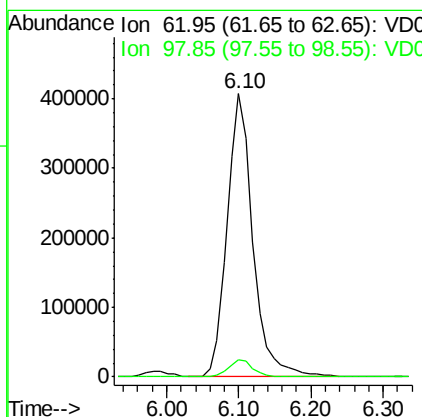
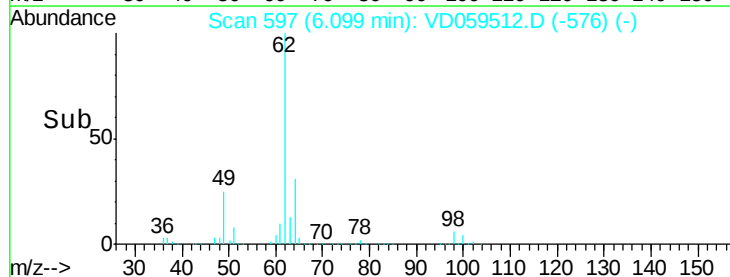
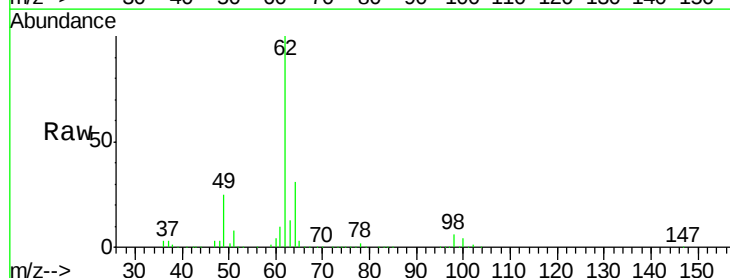
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

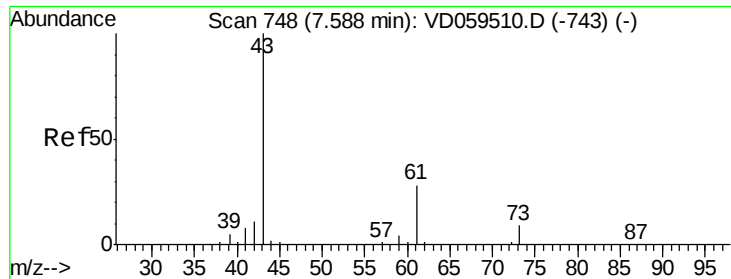
Tot Ion: 41 Resp: 278032
Ion Ratio Lower Upper
41 100
39 57.7 43.0 64.4
67 51.2 41.4 62.2
52 26.1 18.6 28.0



#42
1,2-Dichloroethane
Concen: 108.05 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 62 Resp: 1004439
Ion Ratio Lower Upper
62 100
98 6.1 0.0 10.0





#43

Isopropyl Acetate

Concen: 114.01 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

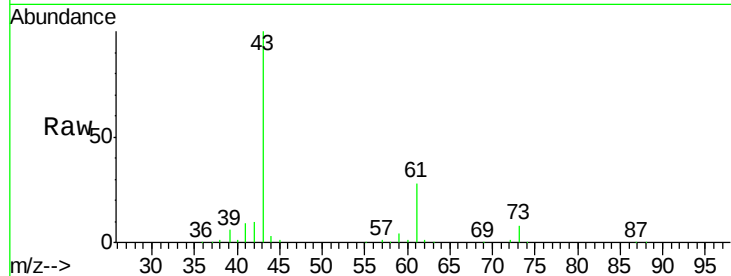
Tot Ion: 43 Resp: 763121

Ion Ratio Lower Upper

43 100

61 27.9 22.3 33.5

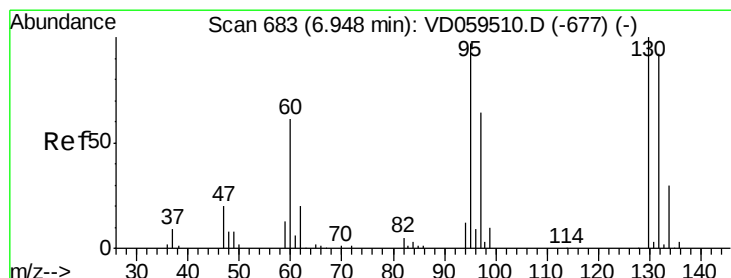
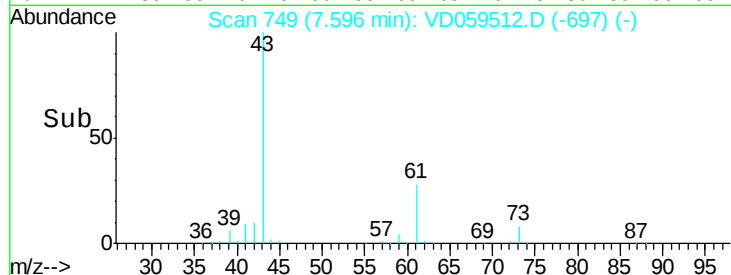
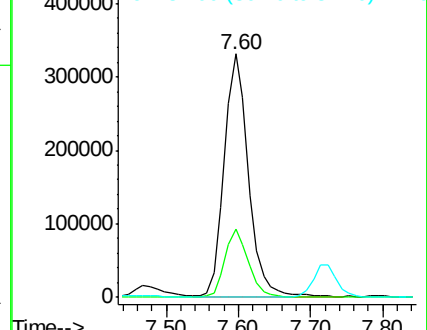
87 0.3 0.4 0.6#



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: 99.52 ug/l

RT: 6.96 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059512.D

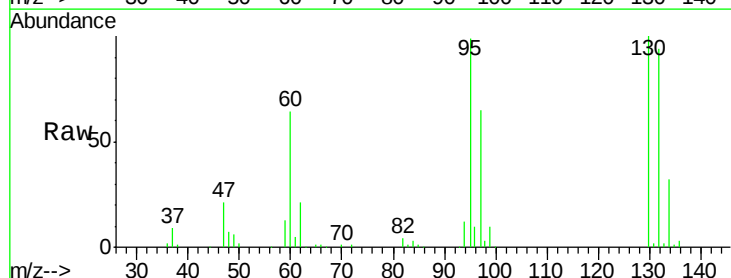
Acq: 2 Jul 2018 19:29

Tgt Ion:130 Resp: 683781

Ion Ratio Lower Upper

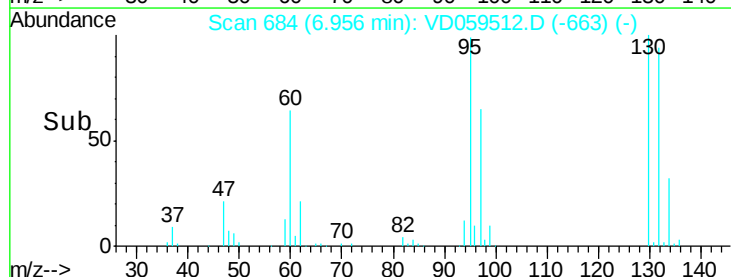
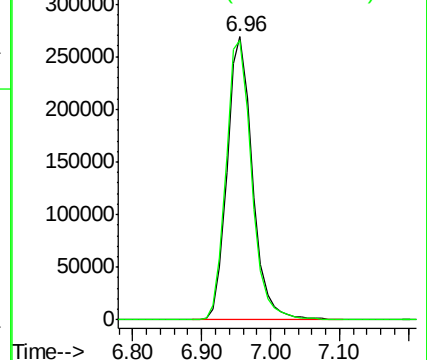
130 100

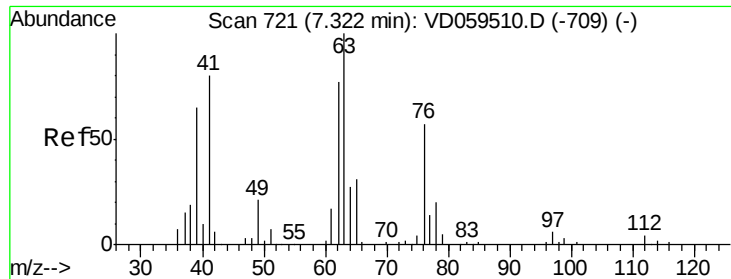
95 98.6 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

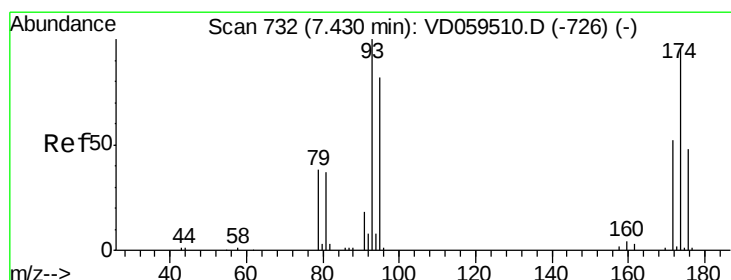
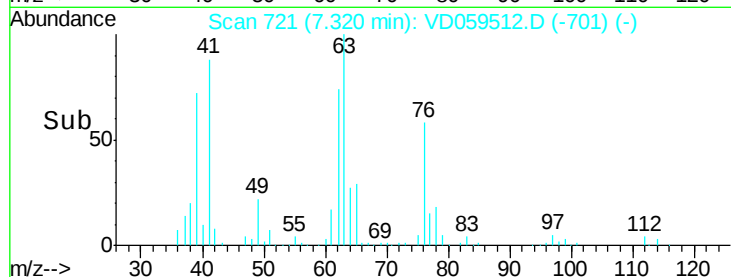
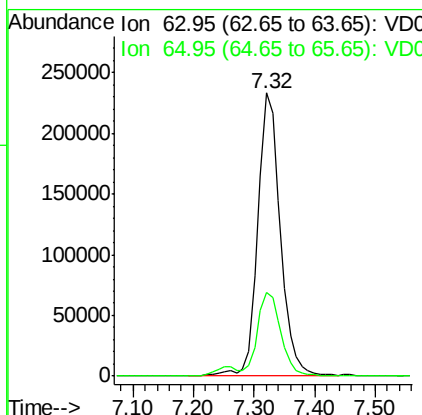
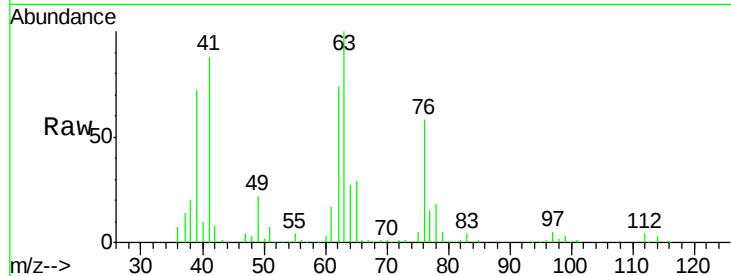




#45
 1,2-Dichloropropane
 Concen: 103.87 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

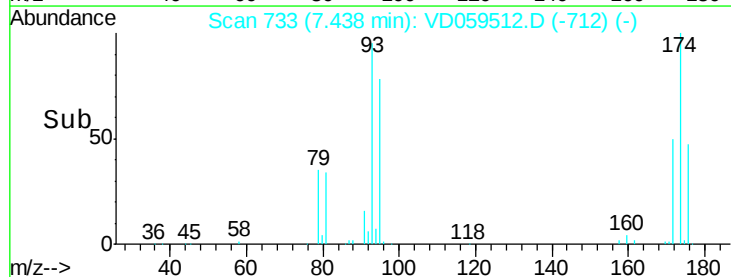
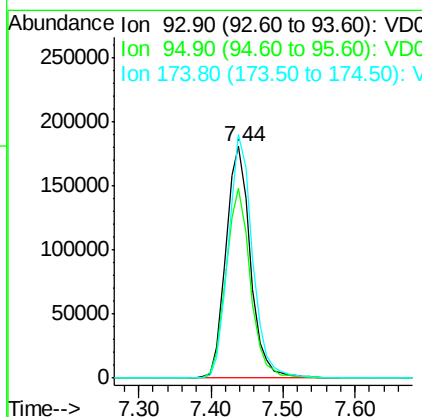
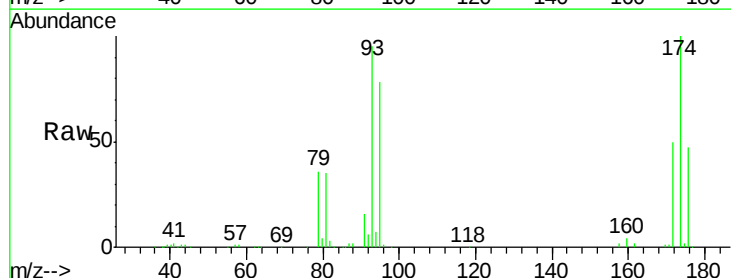
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

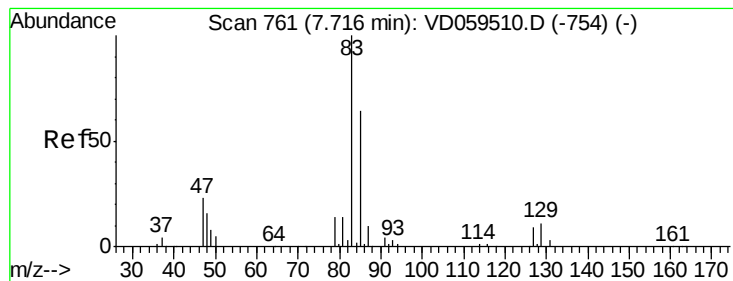
Tot Ion: 63 Resp: 606314
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6



#46
 Dibromomethane
 Concen: 103.18 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 93 Resp: 426522
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.7 98.5
 174 105.2 77.2 115.8





#47

Bromodichloromethane

Concen: 108.31 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

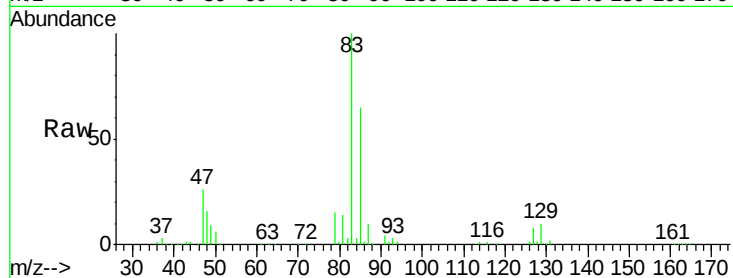
Tot Ion: 83 Resp: 1007645

Ion Ratio Lower Upper

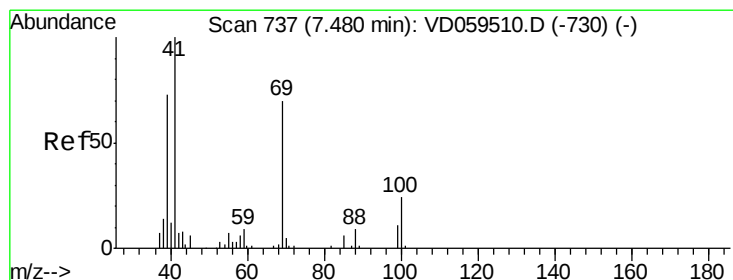
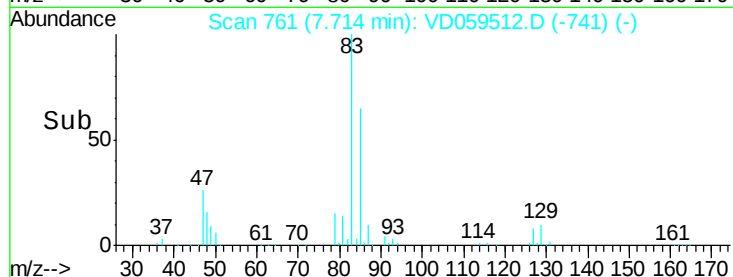
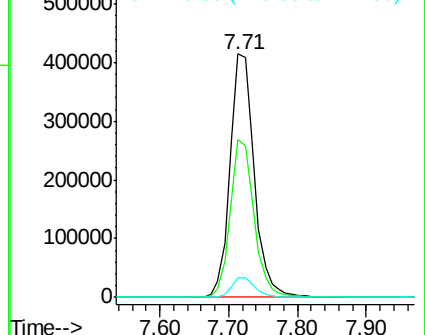
83 100

85 64.9 51.0 76.4

127 8.2 7.0 10.6



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



#48

Methyl methacrylate

Concen: 115.76 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

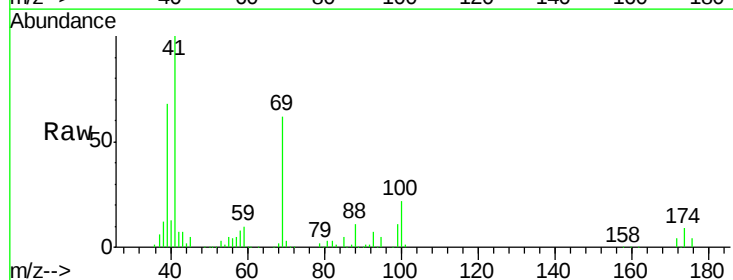
Tgt Ion: 41 Resp: 476265

Ion Ratio Lower Upper

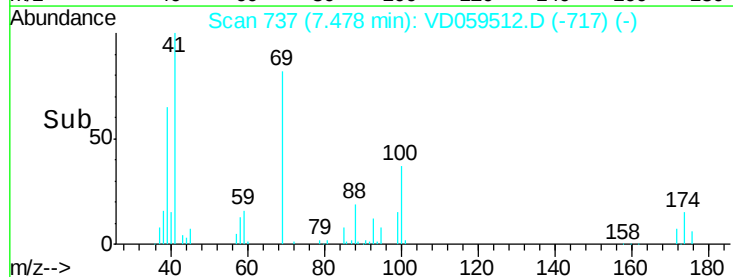
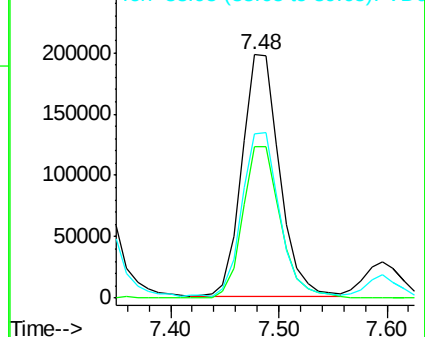
41 100

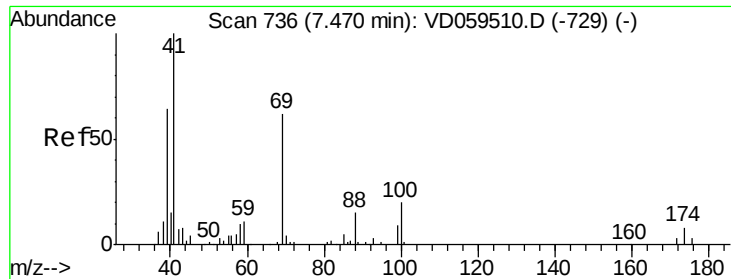
69 62.1 55.8 83.8

39 67.6 58.7 88.1



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

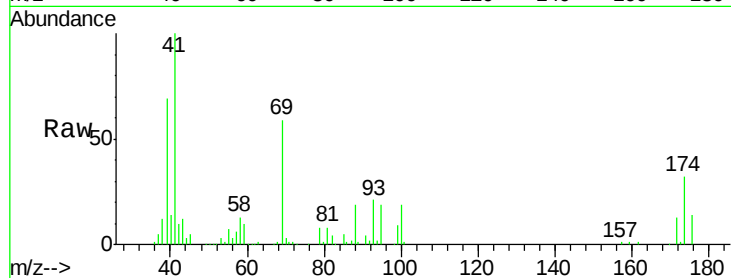




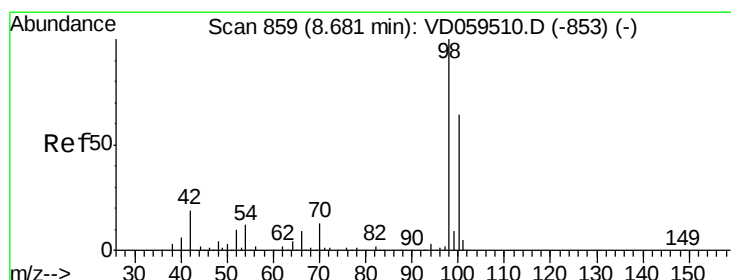
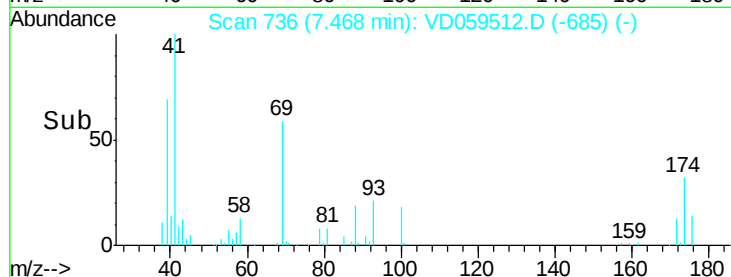
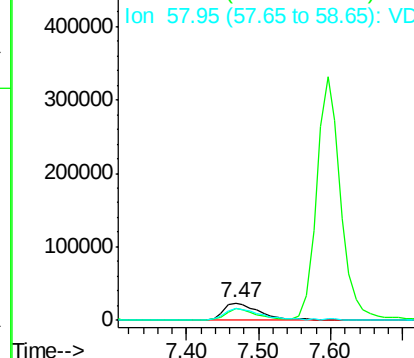
#49
1,4-Dioxane
Concen: 2076.57 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 84980
Ion Ratio Lower Upper
88 100
43 66.4 41.4 62.0#
58 69.8 49.4 74.2

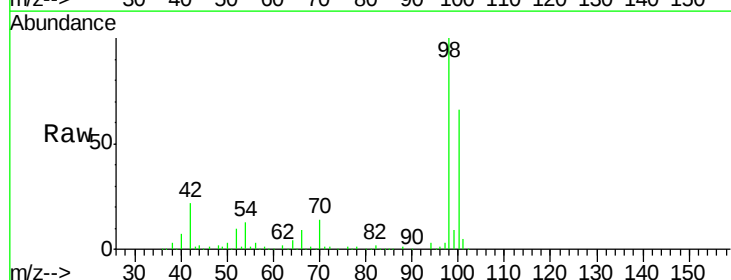


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

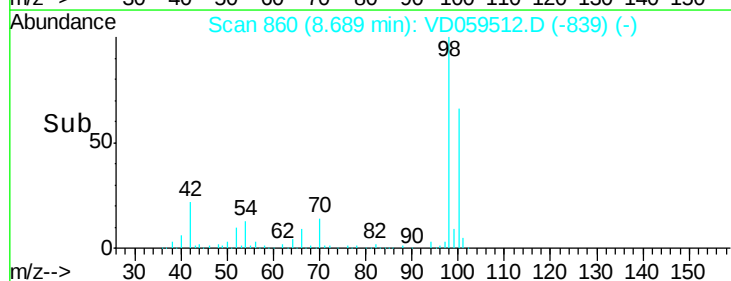
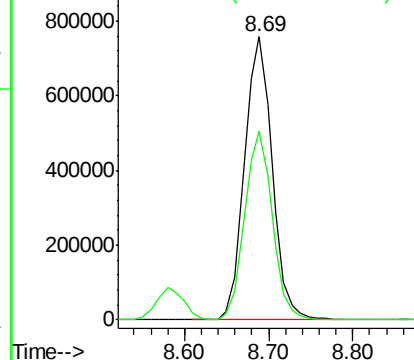


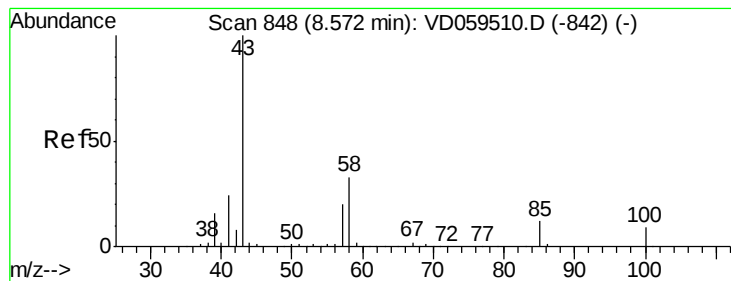
#50
Toluene-d8
Concen: 2076.57 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 98 Resp: 1743012
Ion Ratio Lower Upper
98 100
100 66.4 51.8 77.8



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: 514.97 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

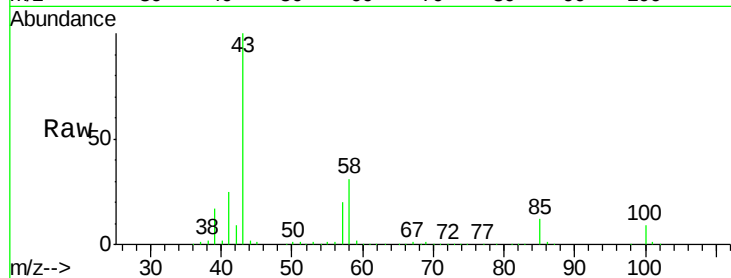
VSTDIC100

Tot Ion: 43 Resp: 2286264

Ion Ratio Lower Upper

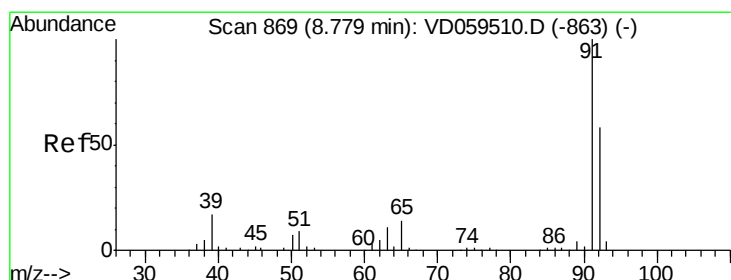
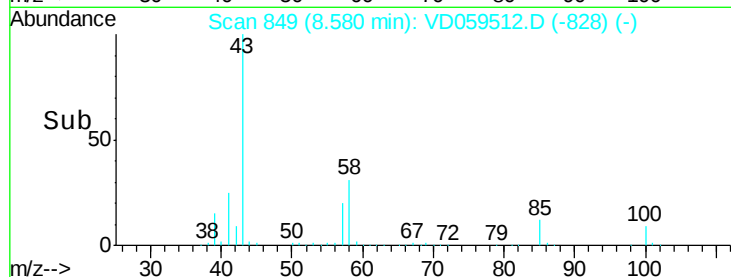
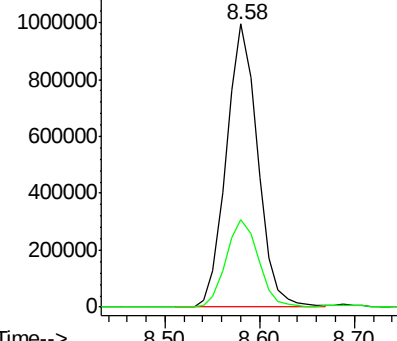
43 100

58 31.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 89.85 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059512.D

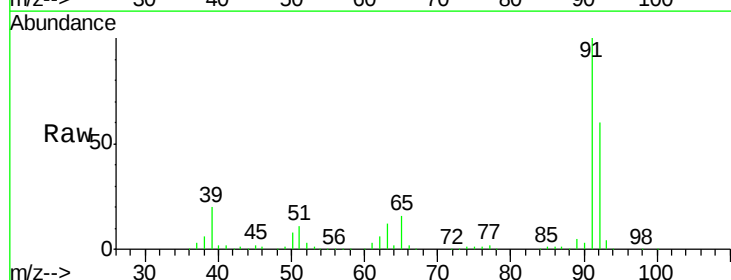
Acq: 2 Jul 2018 19:29

Tgt Ion: 92 Resp: 1122301

Ion Ratio Lower Upper

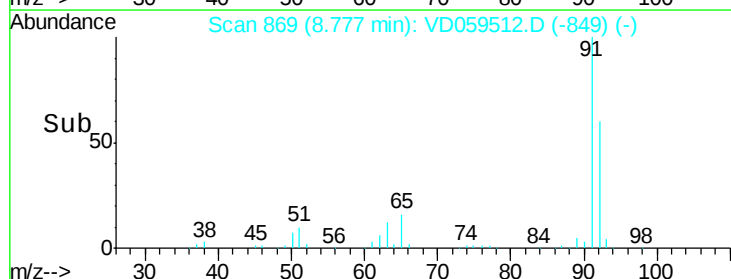
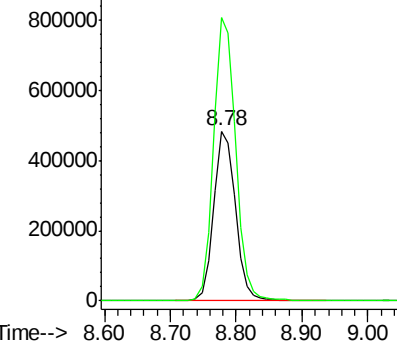
92 100

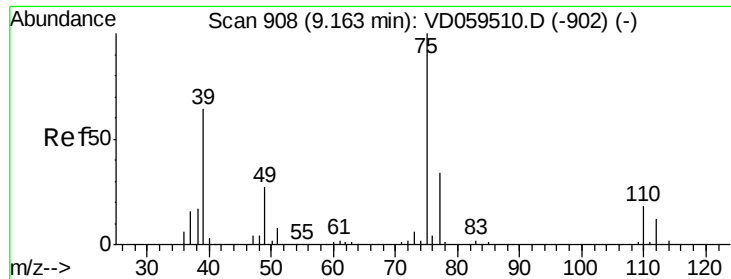
91 166.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

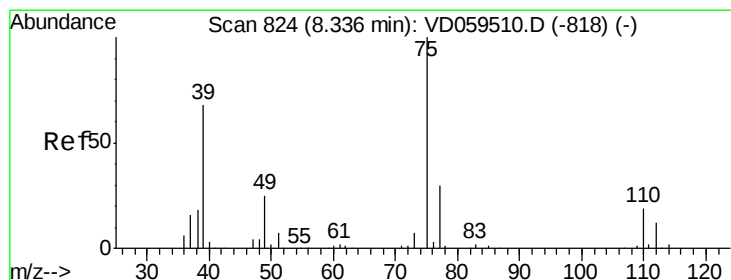
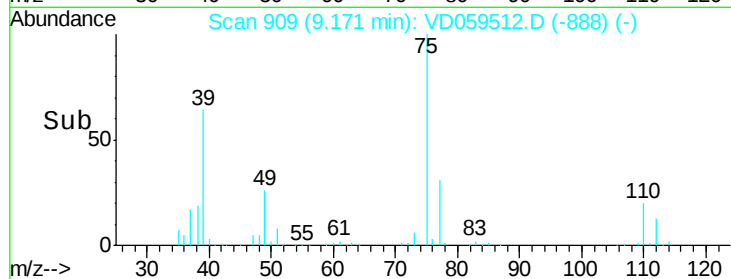
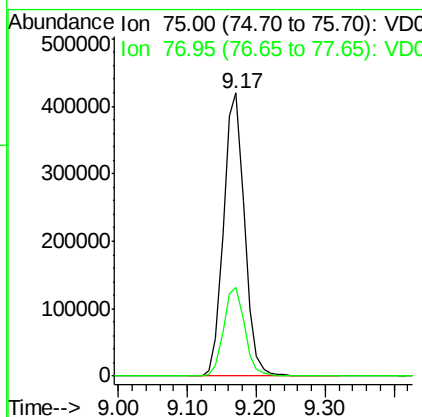
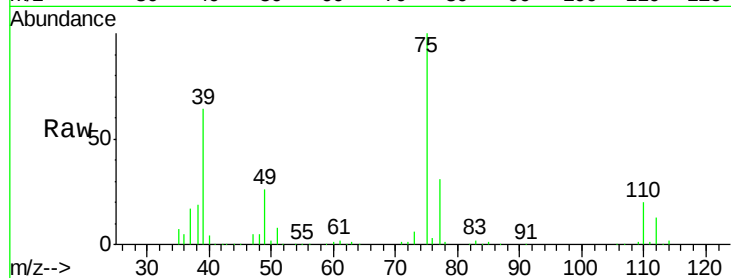




#53
 t-1,3-Dichloropropene
 Concen: 111.22 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

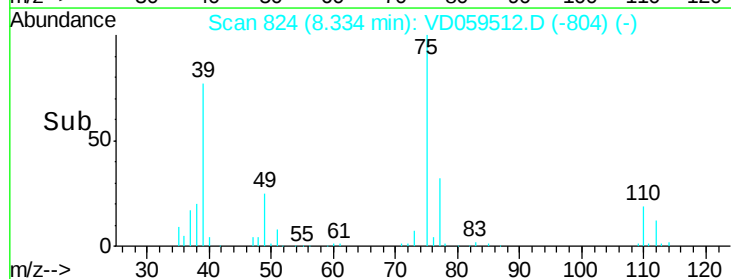
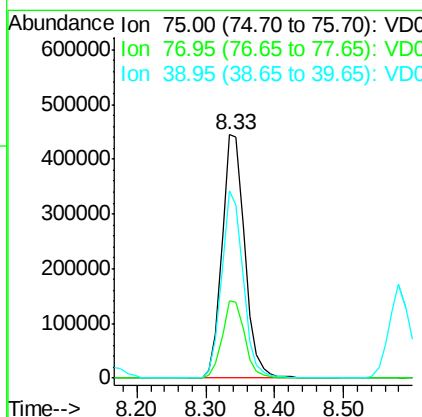
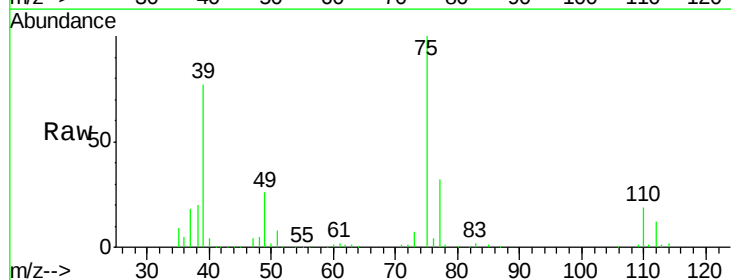
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

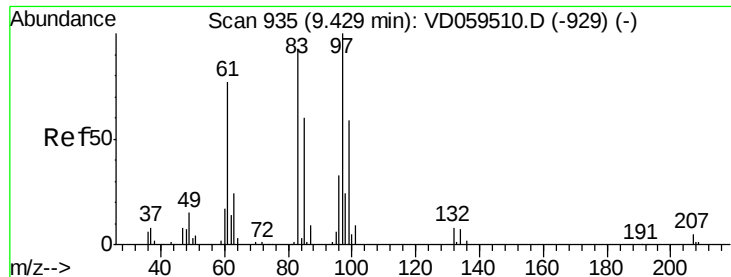
Tot Ion: 75 Resp: 881889
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 110.65 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 75 Resp: 1016696
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.4 36.6
 39 77.1 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 97.49 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 436476

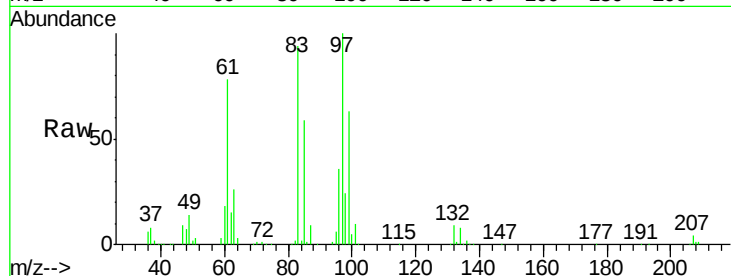
Ion Ratio Lower Upper

97 100

83 93.9 74.3 111.5

85 58.7 48.1 72.1

99 63.1 47.2 70.8

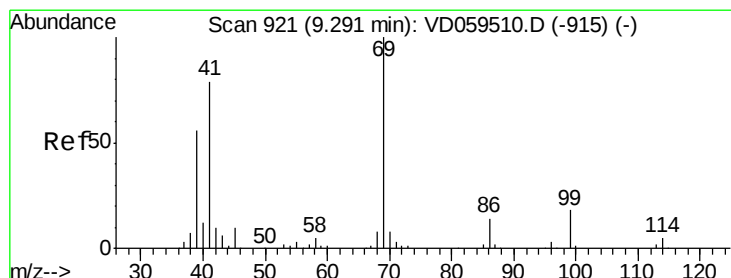
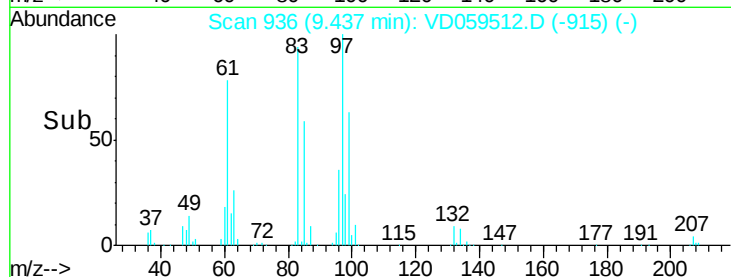
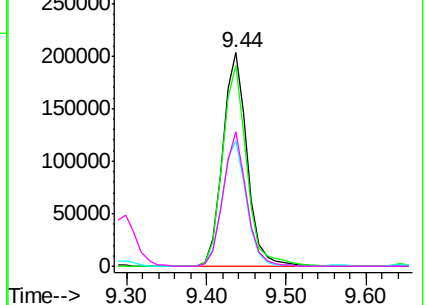


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 109.65 ug/l

RT: 9.30 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

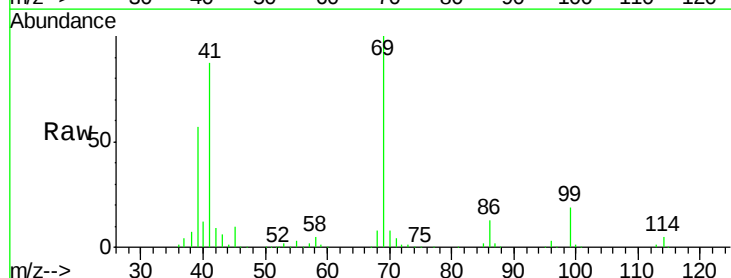
Tgt Ion: 69 Resp: 570633

Ion Ratio Lower Upper

69 100

41 87.5 63.4 95.0

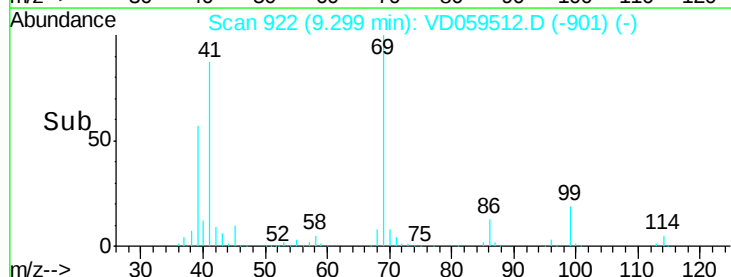
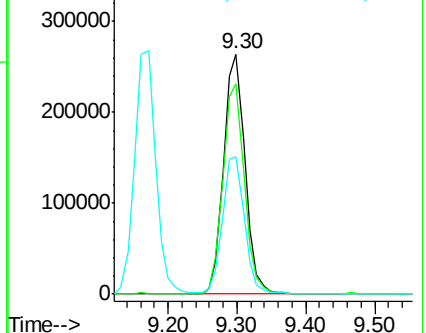
39 57.1 45.0 67.6

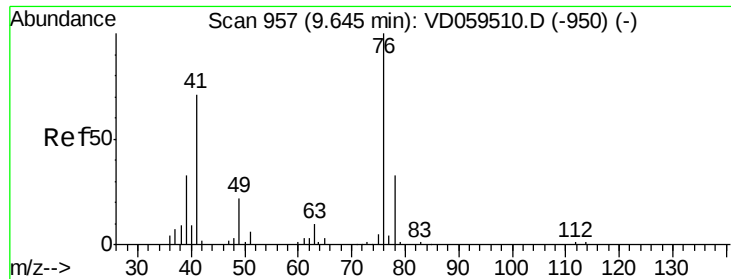


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

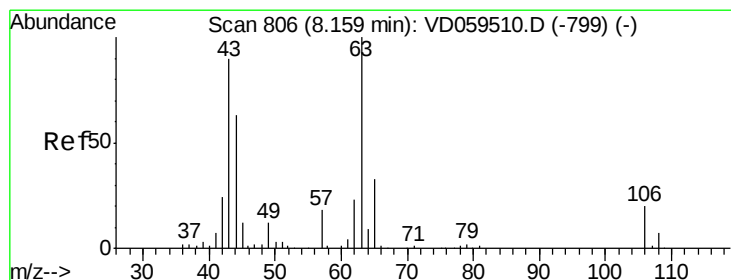
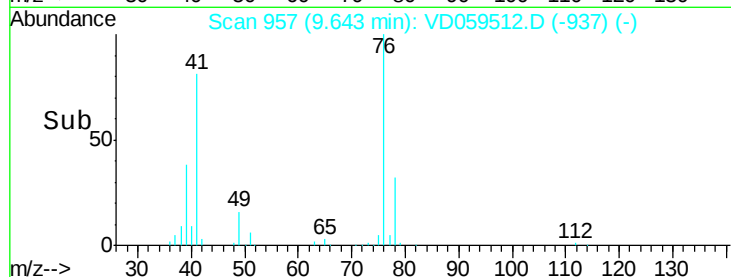
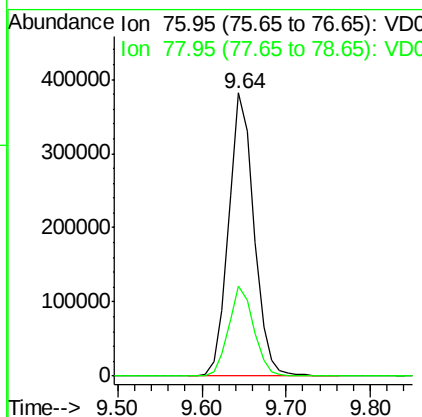
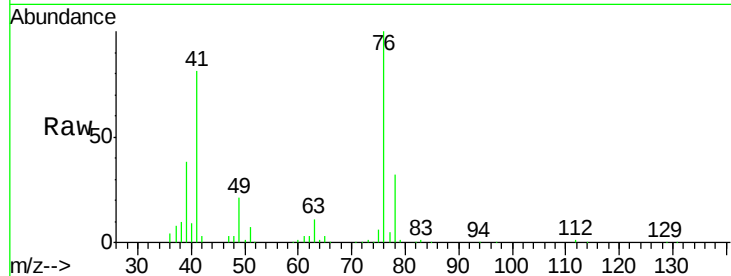




#57
 1,3-Dichloropropane
 Concen: 107.08 ug/l
 RT: 9.64 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

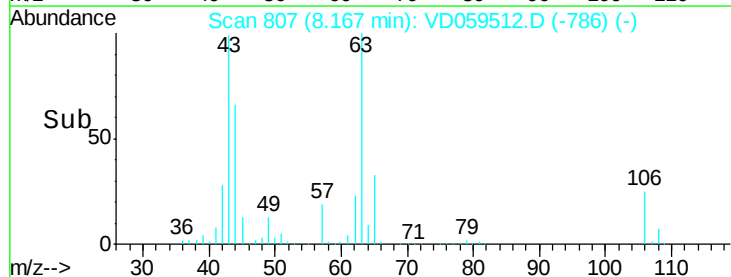
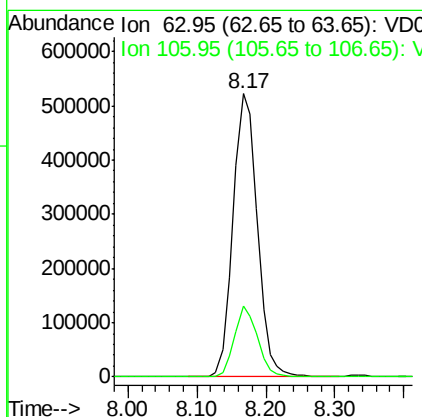
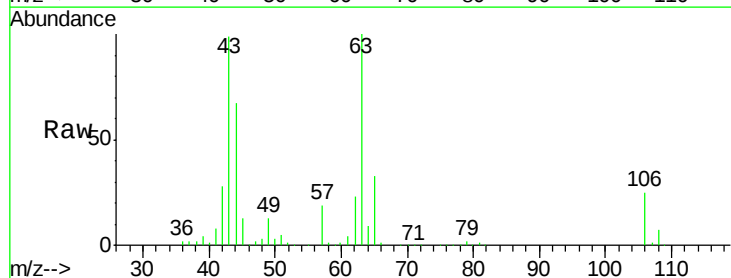
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

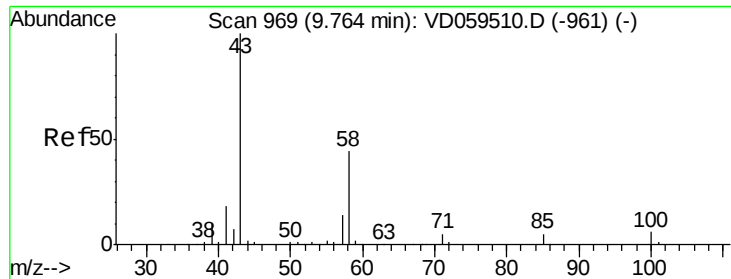
Tot Ion: 76 Resp: 798376
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 478.27 ug/l
 RT: 8.17 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 63 Resp: 1279603
 Ion Ratio Lower Upper
 63 100
 106 24.8 16.4 24.6#

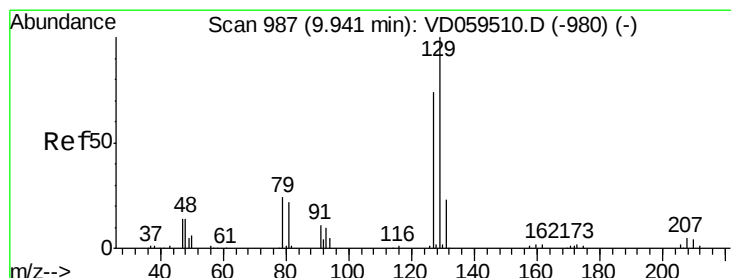
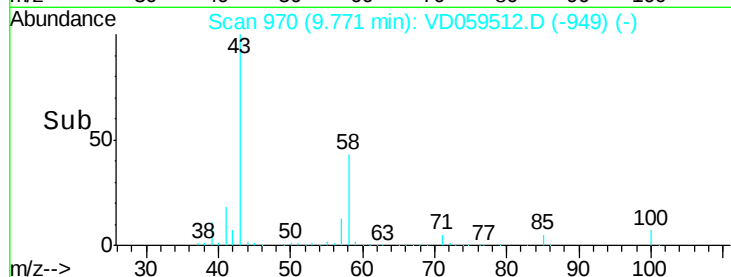
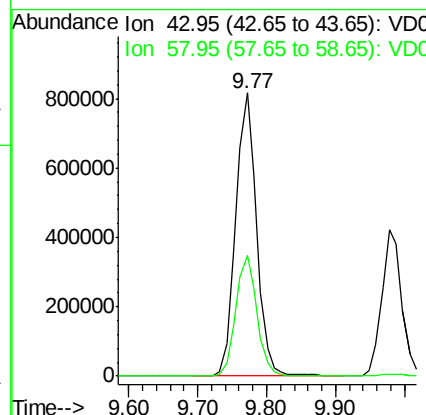
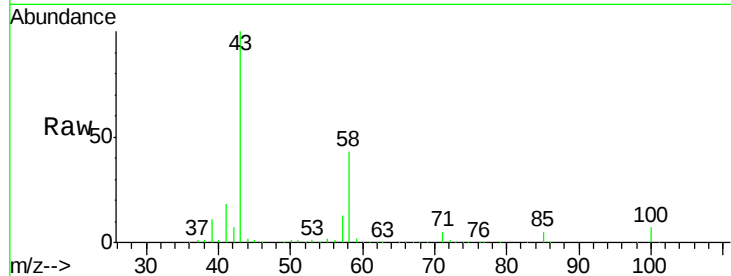




#59
2-Hexanone
Concen: 545.59 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

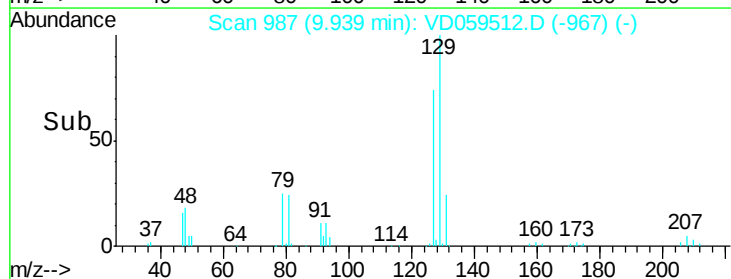
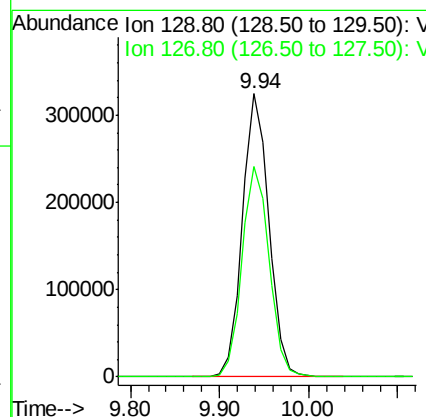
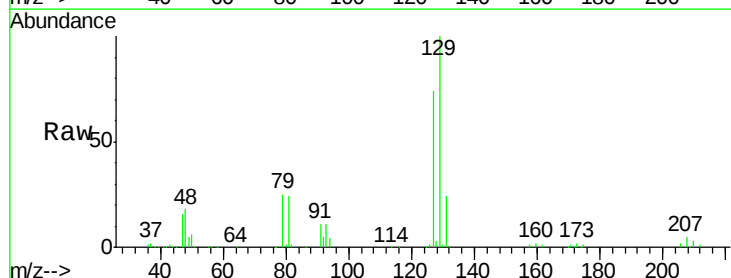
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

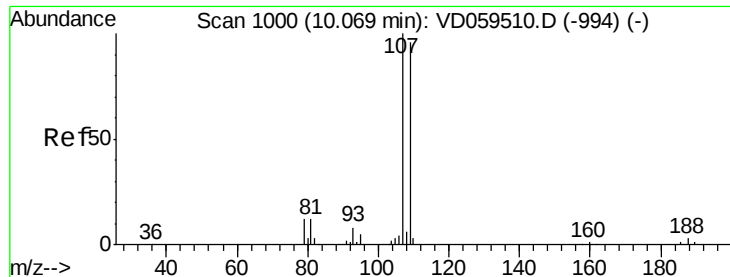
Tot Ion: 43 Resp: 1714571
Ion Ratio Lower Upper
43 100
58 42.6 22.0 66.0



#60
Dibromochloromethane
Concen: 106.58 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 129 Resp: 673699
Ion Ratio Lower Upper
129 100
127 74.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 99.27 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

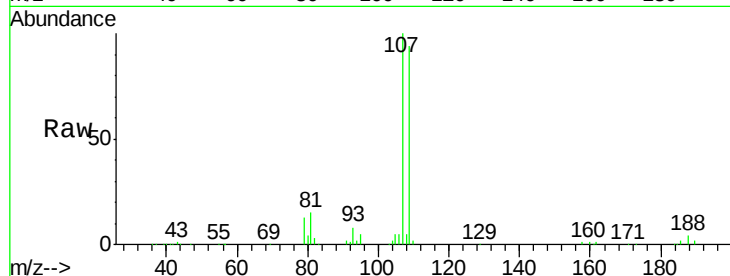
VSTDIC100

Tot Ion:107 Resp: 499494

Ion Ratio Lower Upper

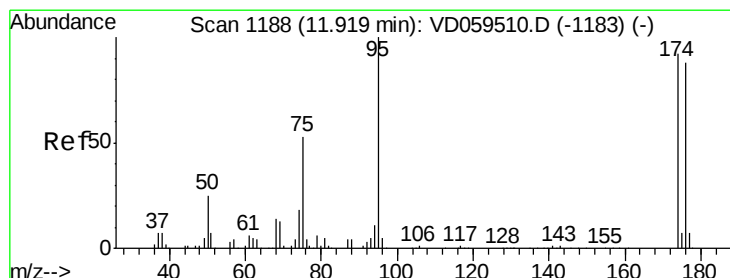
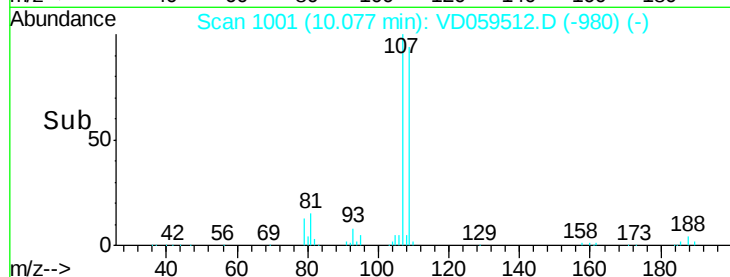
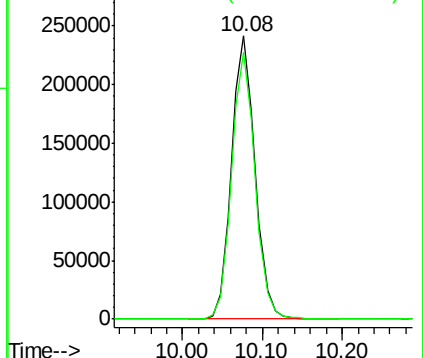
107 100

109 94.4 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 99.27 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

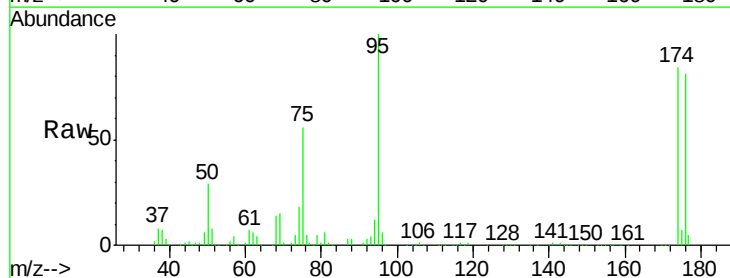
Tgt Ion: 95 Resp: 744411

Ion Ratio Lower Upper

95 100

174 83.5 0.0 183.0

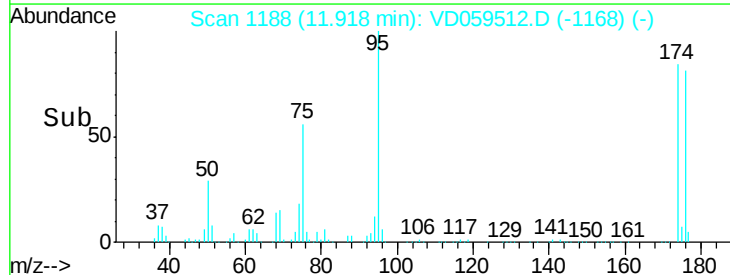
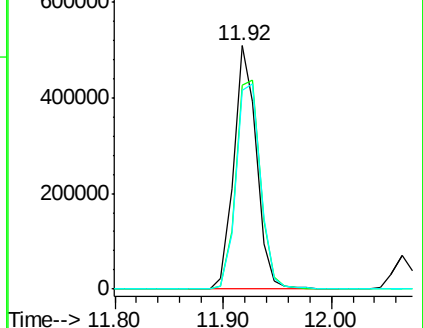
176 81.5 0.0 176.6

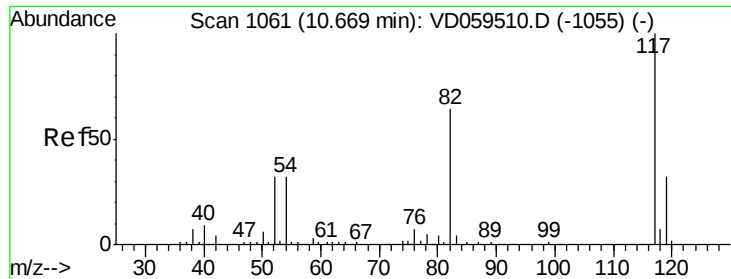


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

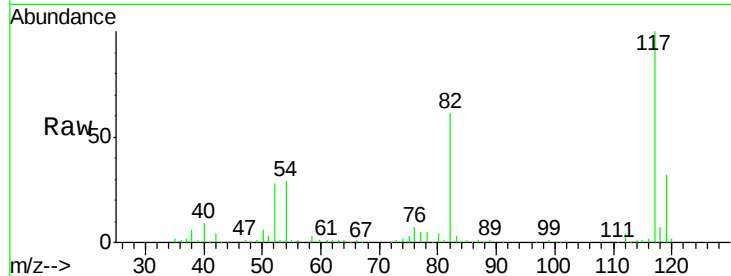




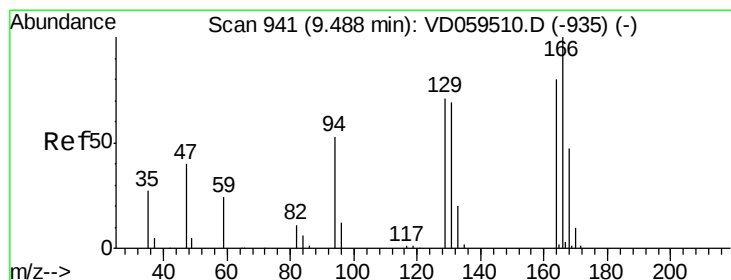
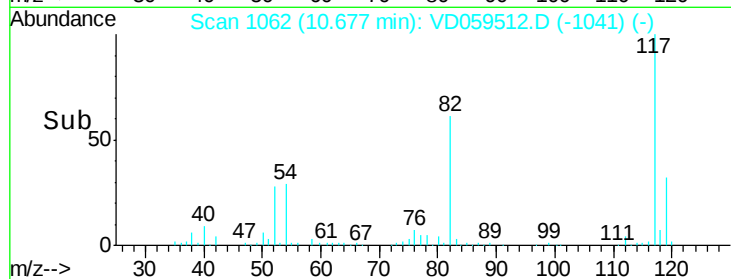
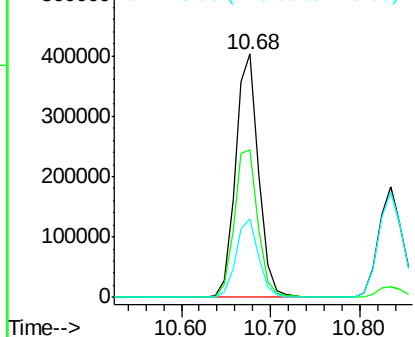
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 727660
Ion Ratio Lower Upper
117 100
82 60.7 51.1 76.7
119 32.0 25.6 38.4



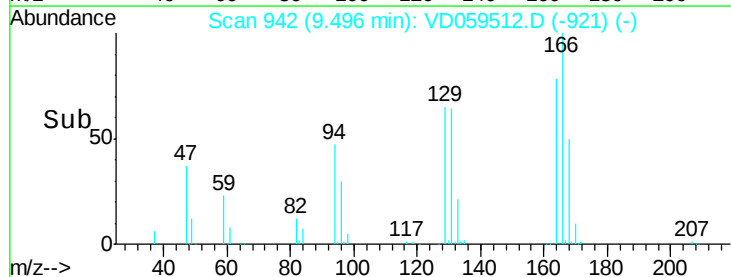
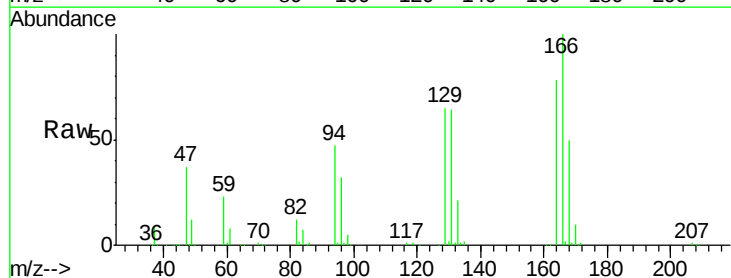
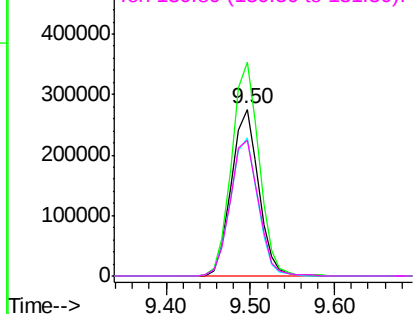
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

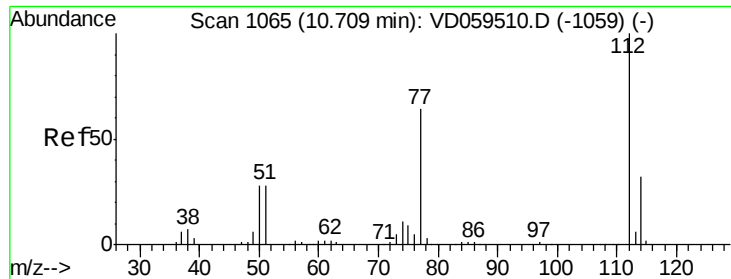


#64
Tetrachloroethene
Concen: 95.49 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion:164 Resp: 621258
Ion Ratio Lower Upper
164 100
166 128.0 99.5 149.3
129 82.8 70.9 106.3
131 81.6 68.8 103.2

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

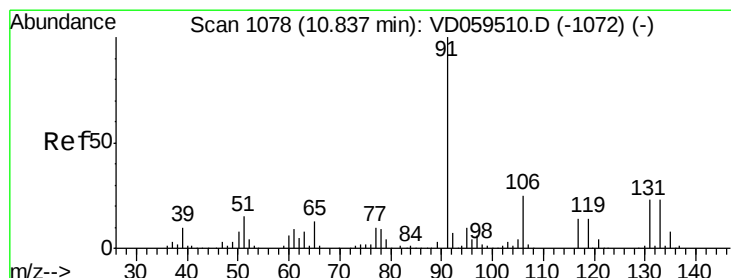
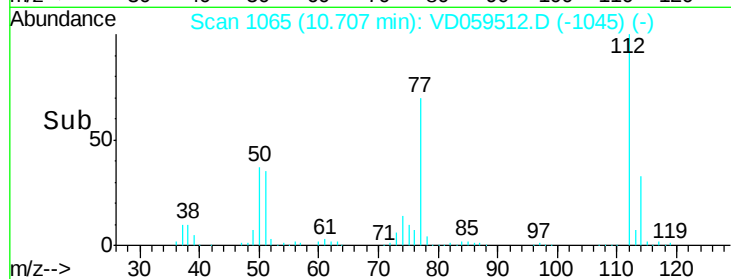
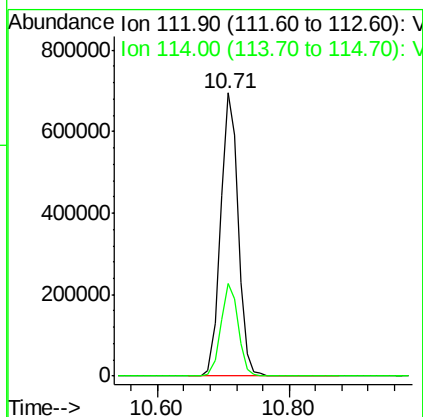
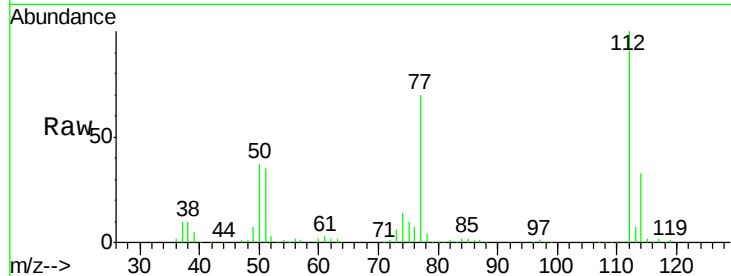




#65
Chlorobenzene
Concen: 94.81 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

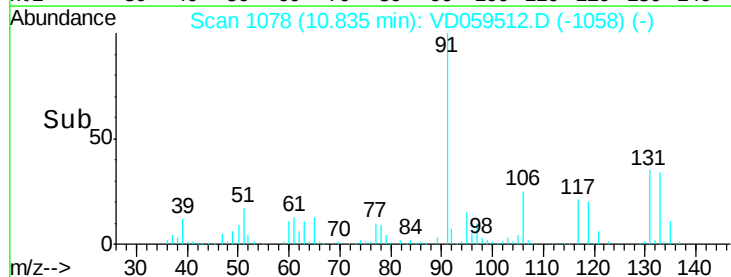
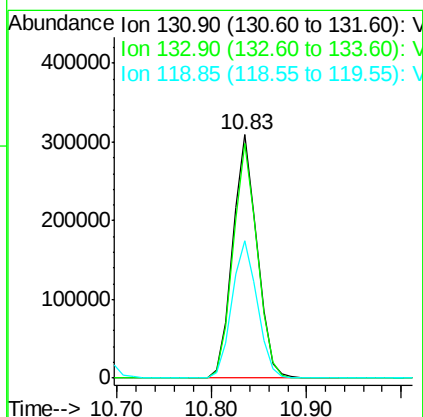
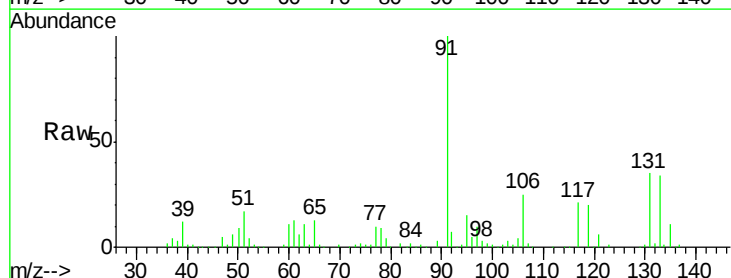
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

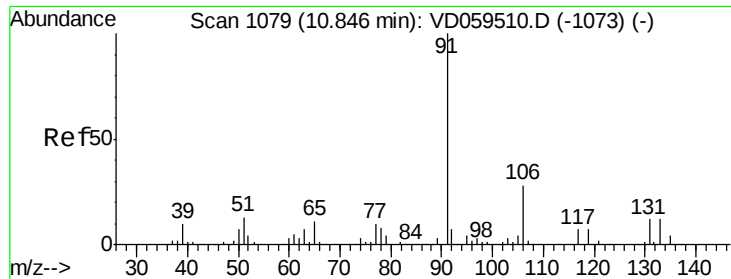
Tot Ion:112 Resp: 1297134
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 106.12 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion:131 Resp: 548831
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.6
119 56.2 30.7 92.1

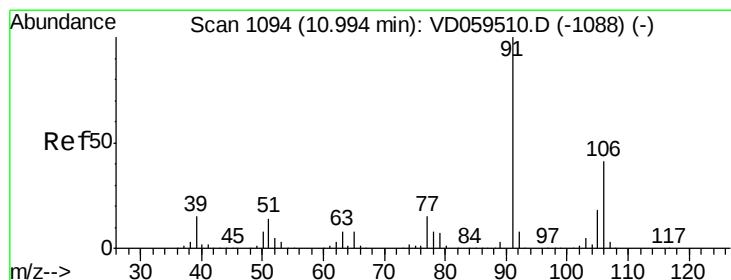
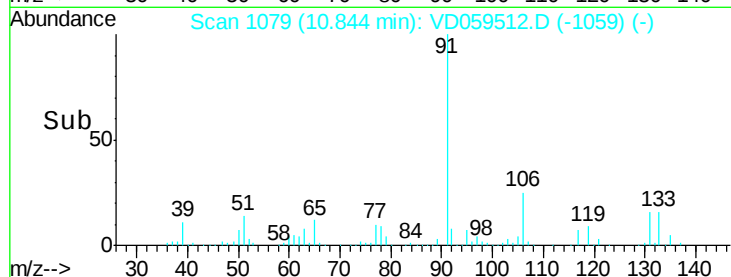
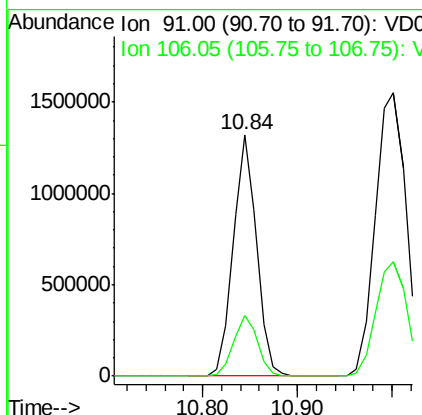
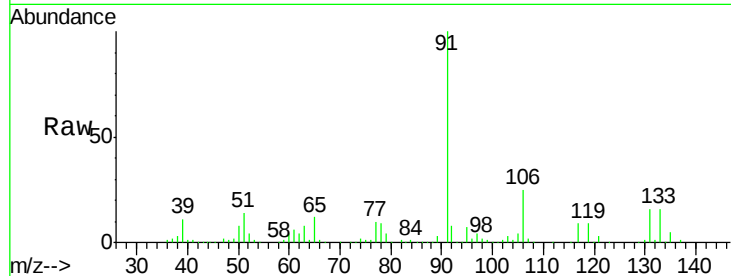




#67
Ethyl Benzene
Concen: 97.90 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

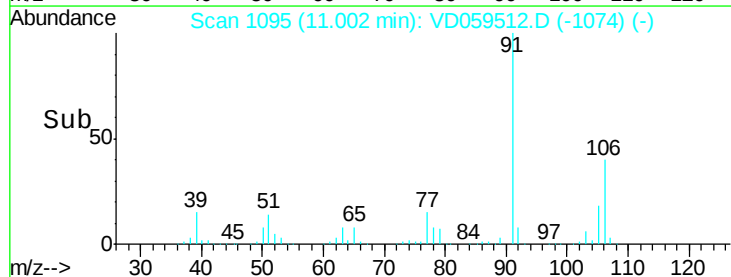
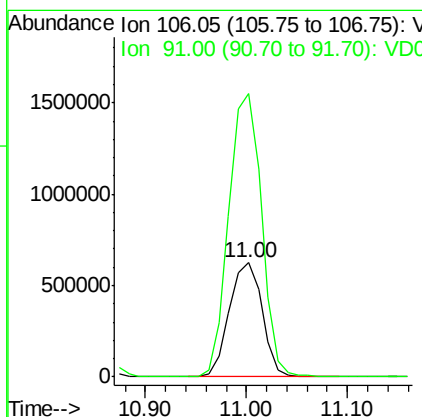
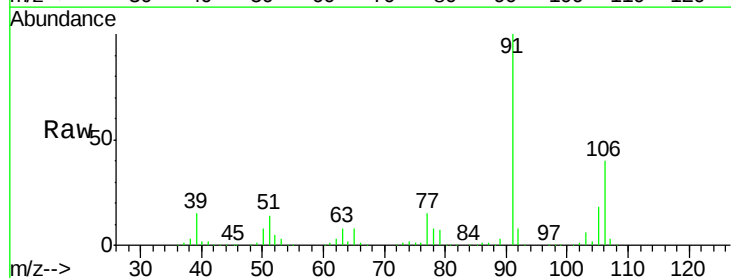
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

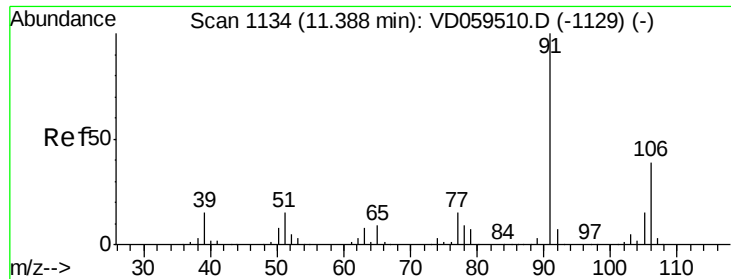
Tot Ion: 91 Resp: 2246372
Ion Ratio Lower Upper
91 100
106 25.3 22.2 33.2



#68
m/p-Xylenes
Concen: 184.43 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 106 Resp: 1413270
Ion Ratio Lower Upper
106 100
91 248.2 194.1 291.1

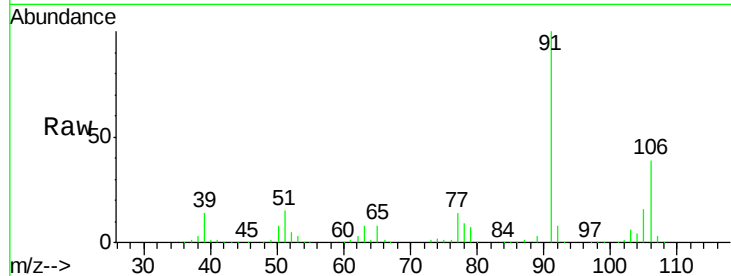




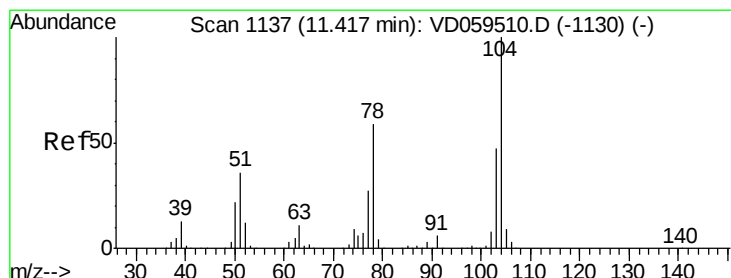
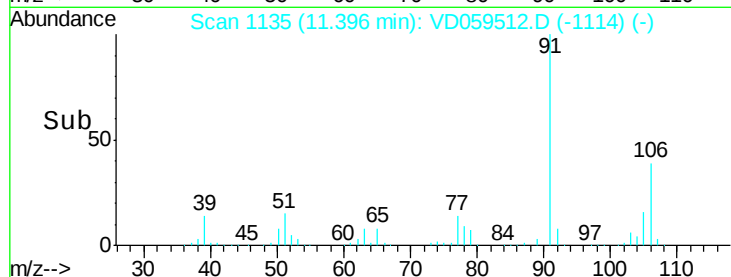
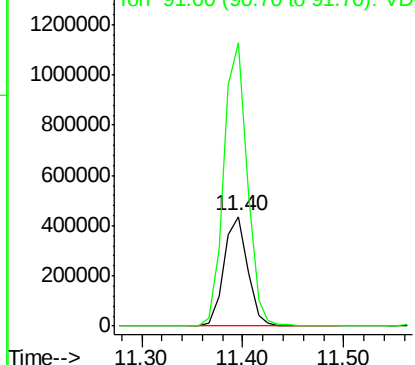
#69
o-Xylene
Concen: 94.28 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 710844
Ion Ratio Lower Upper
106 100
91 258.3 127.0 381.0

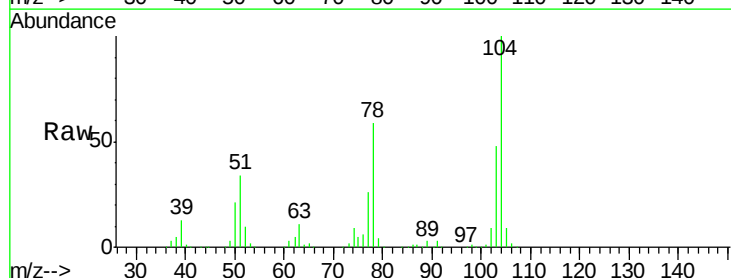


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

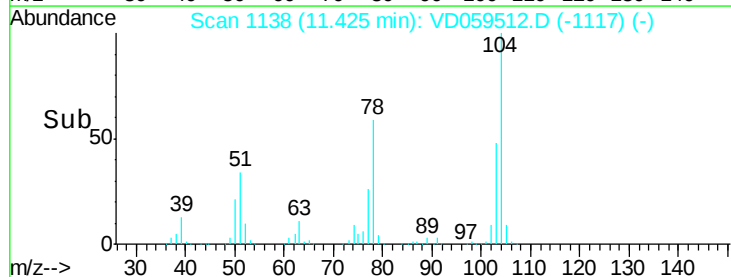
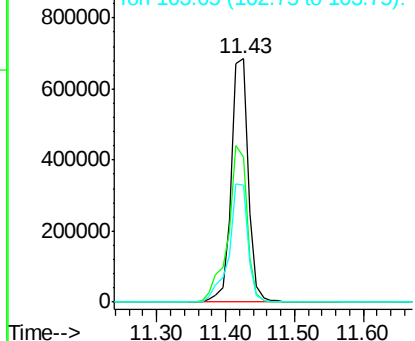


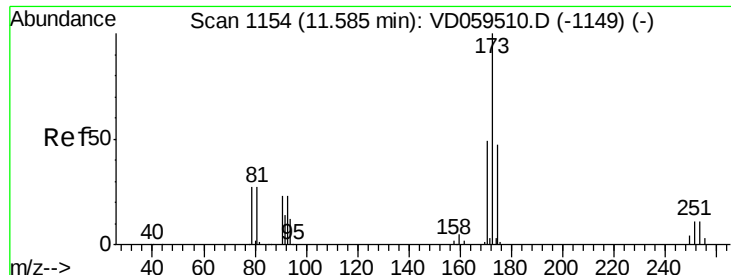
#70
Styrene
Concen: 90.86 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion:104 Resp: 1164278
Ion Ratio Lower Upper
104 100
78 59.5 47.6 71.4
103 48.1 37.6 56.4



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





#71

Bromoform

Concen: 111.61 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

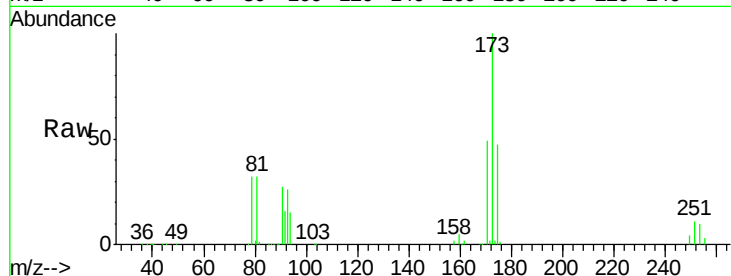
Tot Ion:173 Resp: 480166

Ion Ratio Lower Upper

173 100

175 46.9 23.3 69.8

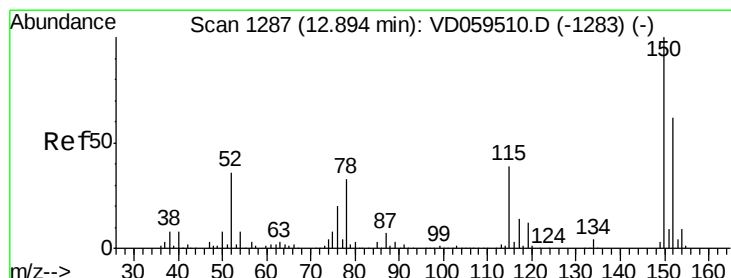
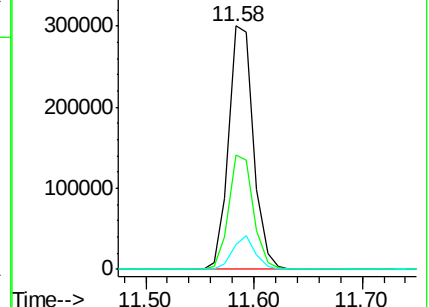
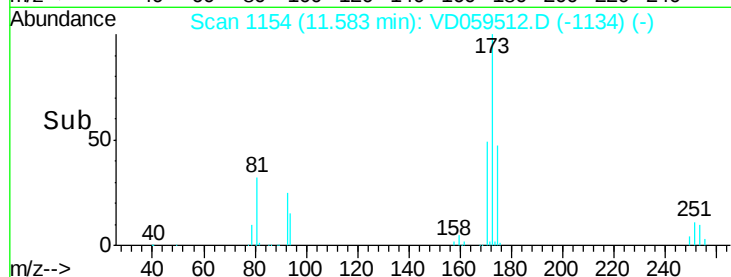
254 10.4 9.0 13.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

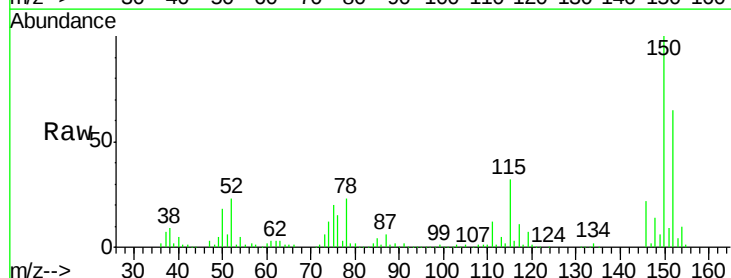
Tgt Ion:152 Resp: 377856

Ion Ratio Lower Upper

152 100

115 49.8 31.3 93.9

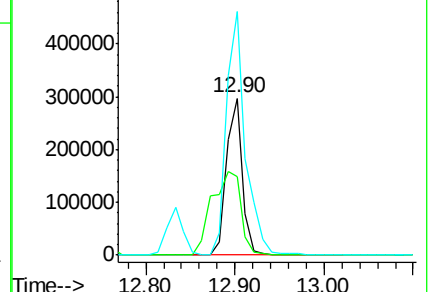
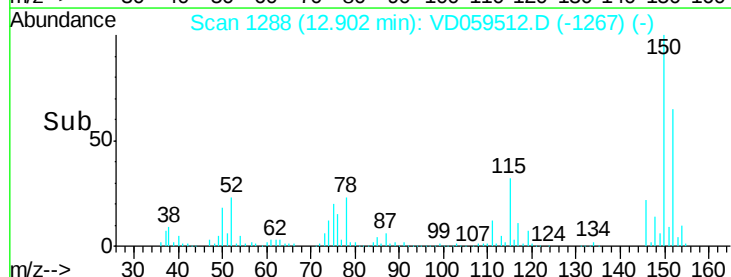
150 154.9 0.0 323.6

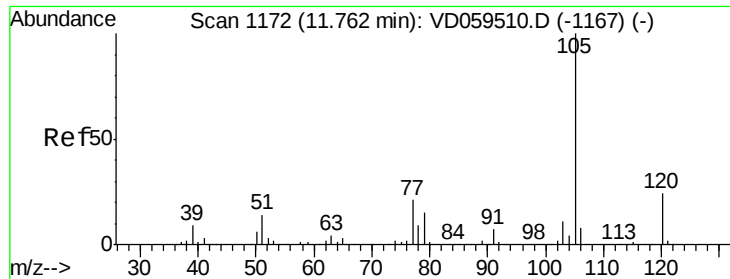


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 94.79 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

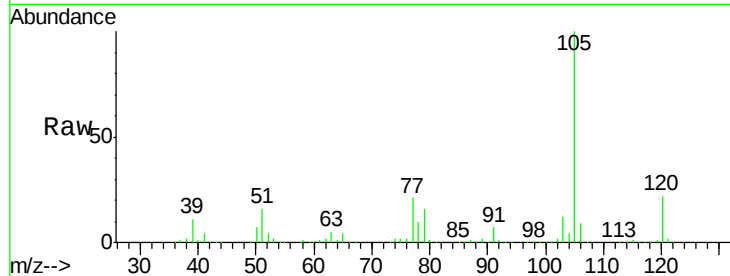
VSTDIC100

Tot Ion:105 Resp: 2090032

Ion Ratio Lower Upper

105 100

120 22.4 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

1500000

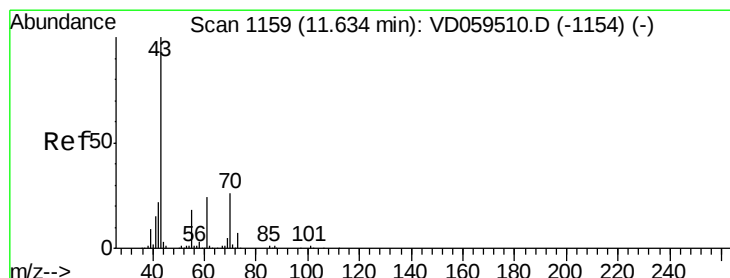
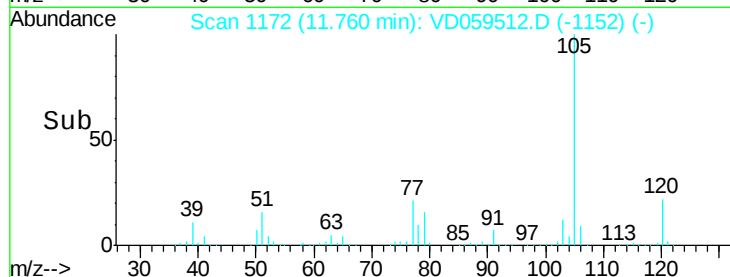
1000000

500000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 112.02 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Tgt Ion: 43 Resp: 960185

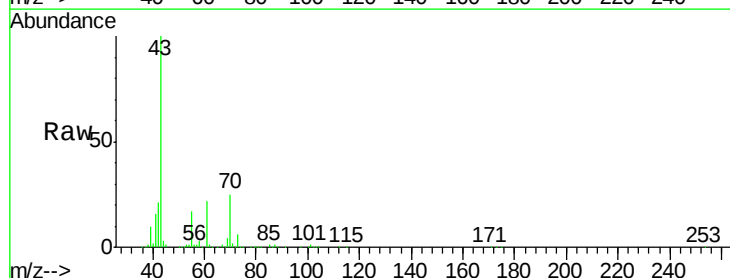
Ion Ratio Lower Upper

43 100

70 24.8 20.6 31.0

55 17.4 14.4 21.6

61 21.6 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.63

1000000

800000

600000

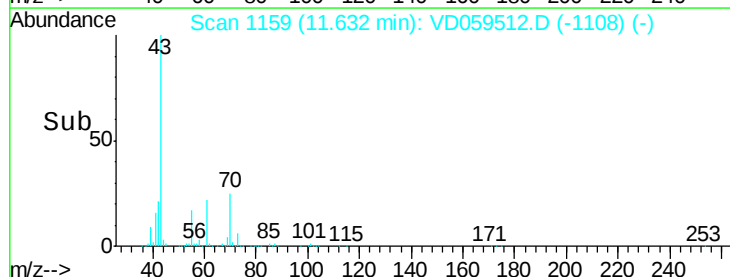
400000

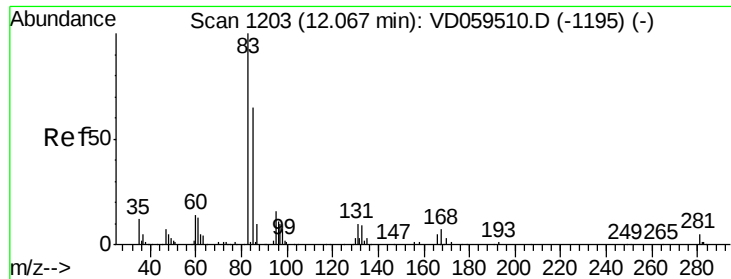
200000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 102.08 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

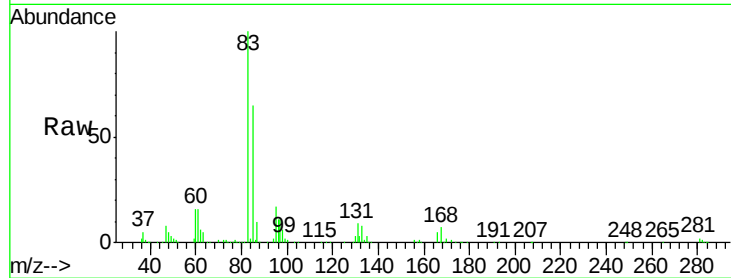
Tot Ion: 83 Resp: 538314

Ion Ratio Lower Upper

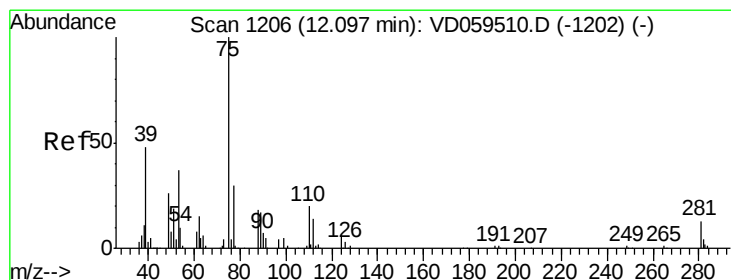
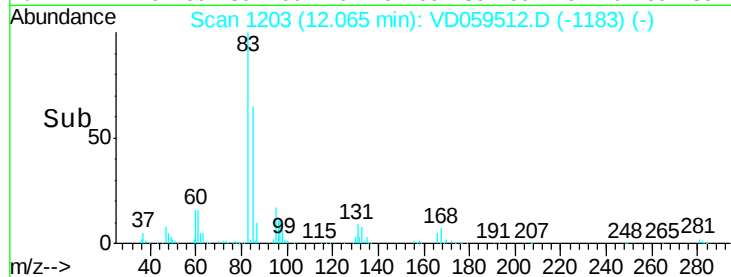
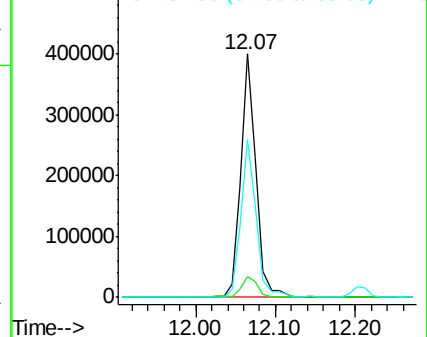
83 100

131 8.7 5.0 15.0

85 64.9 32.3 96.8



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: 105.52 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VD059512.D

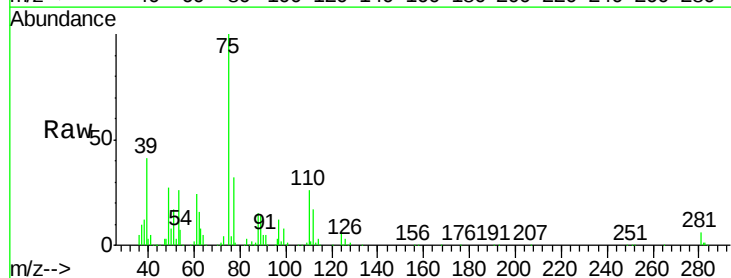
Acq: 2 Jul 2018 19:29

Tgt Ion: 75 Resp: 576721

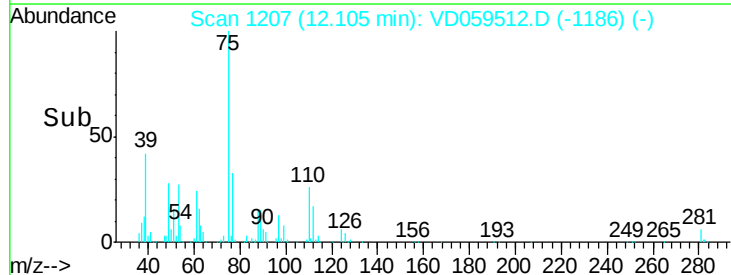
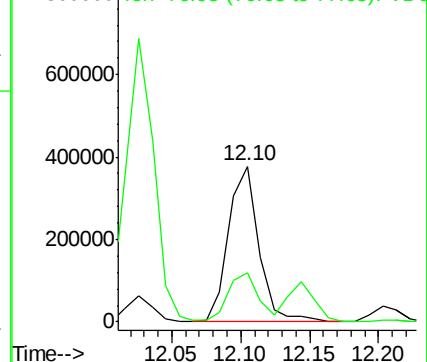
Ion Ratio Lower Upper

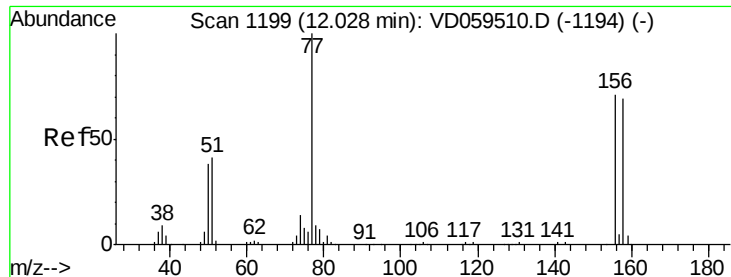
75 100

77 31.7 16.4 49.2



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

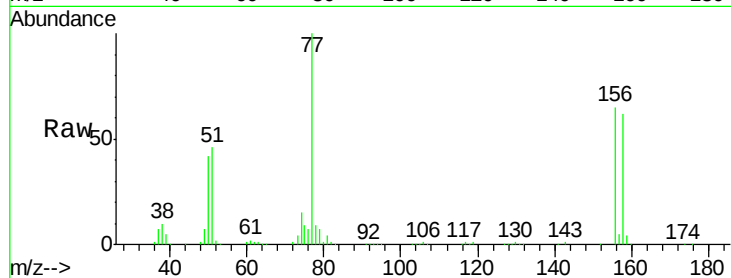




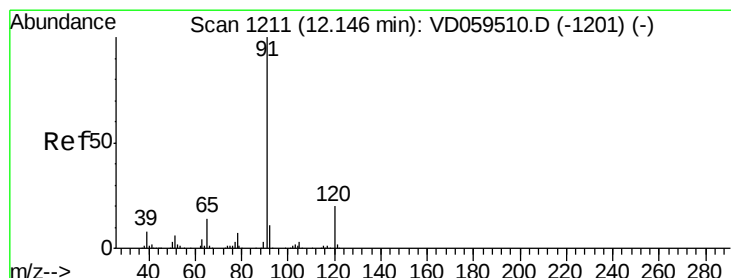
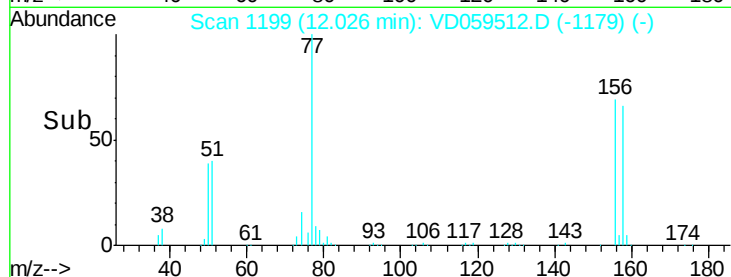
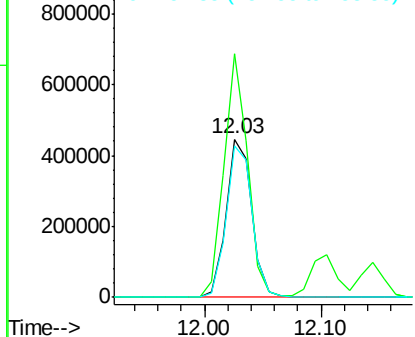
#77
Bromobenzene
Concen: 97.46 ug/l
RT: 12.03 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:156 Resp: 673453
Ion Ratio Lower Upper
156 100
77 153.9 70.0 210.0
158 96.0 48.3 144.9

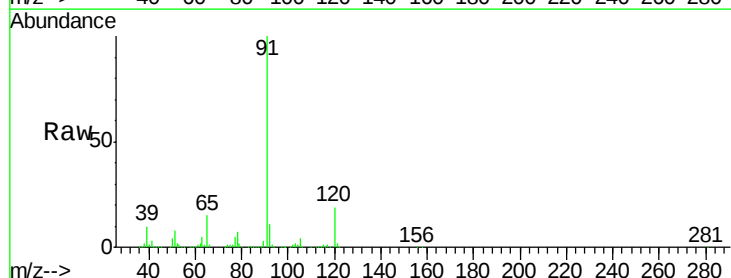


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

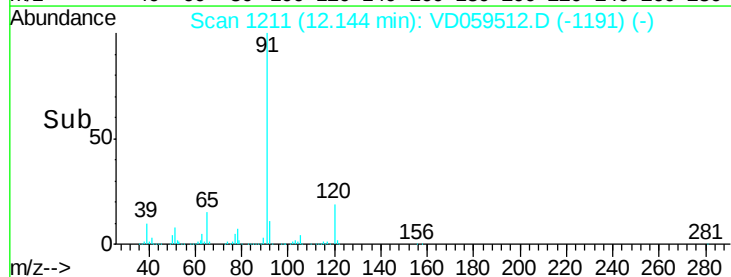
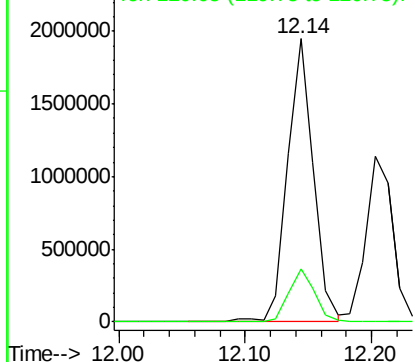


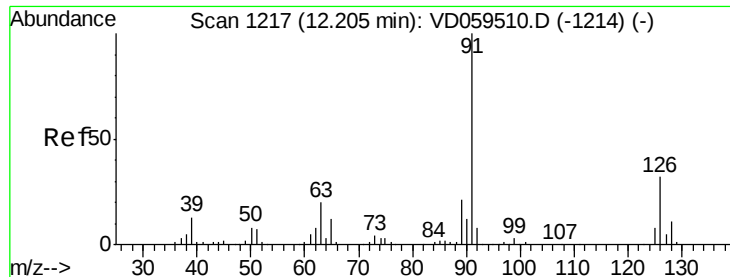
#78
n-propylbenzene
Concen: 97.90 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 91 Resp: 2769060
Ion Ratio Lower Upper
91 100
120 18.5 10.0 29.8



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

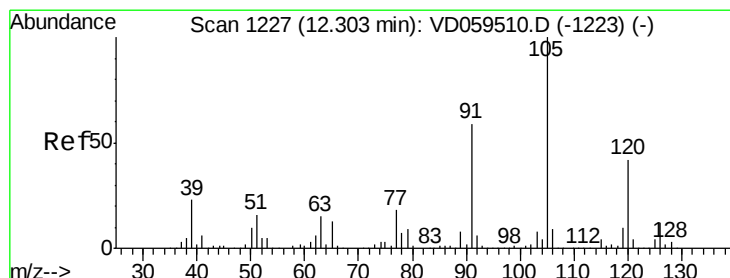
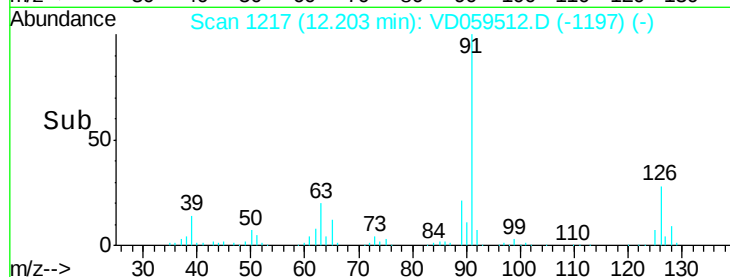
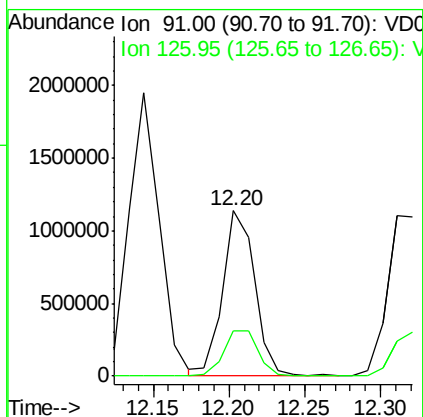
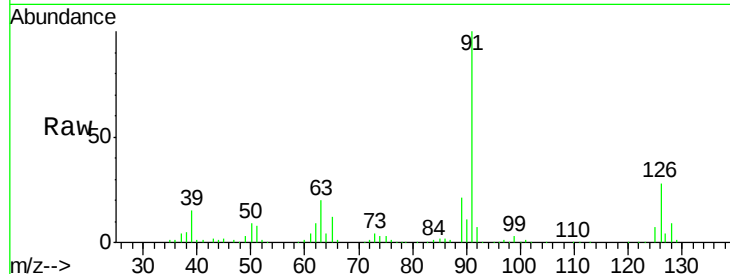




#79
 2-Chlorotoluene
 Concen: 101.70 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

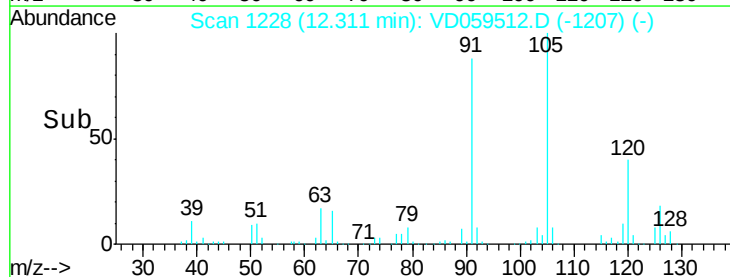
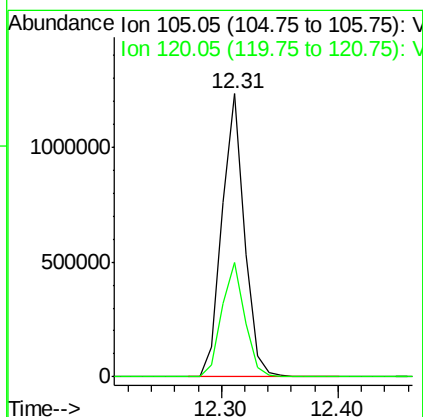
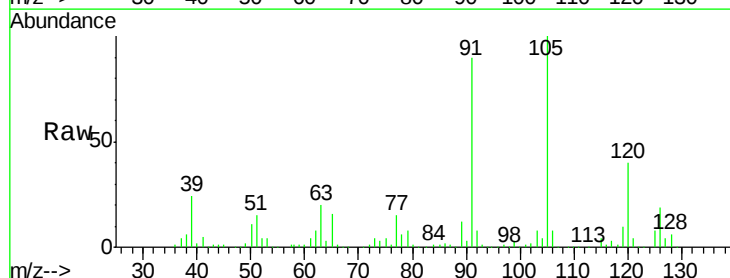
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

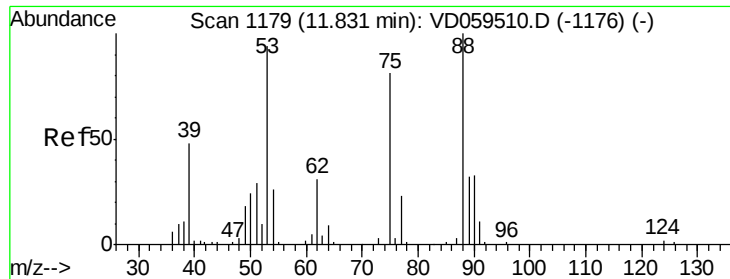
Tot Ion: 91 Resp: 1678651
 Ion Ratio Lower Upper
 91 100
 126 27.5 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 92.64 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 105 Resp: 1638340
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.8 62.4





#81

trans-1,4-Dichloro-2-butene

Concen: 131.80 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059512.D

Acq: 2 Jul 2018 19:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

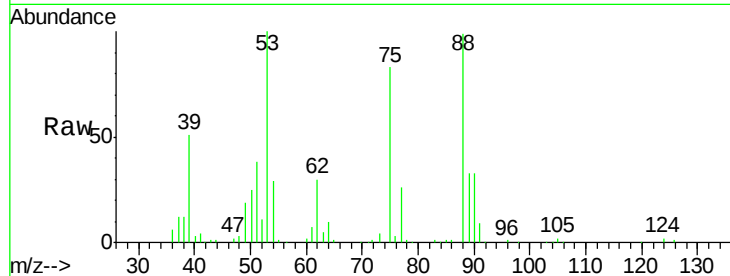
Tot Ion: 75 Resp: 167659

Ion Ratio Lower Upper

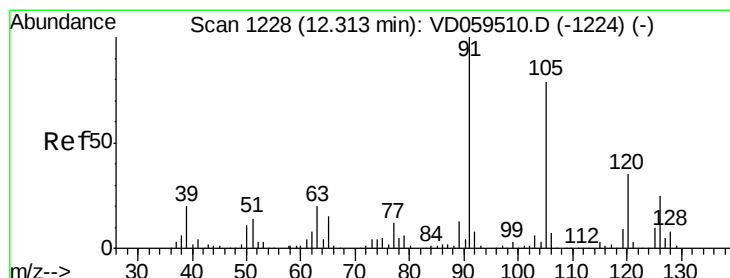
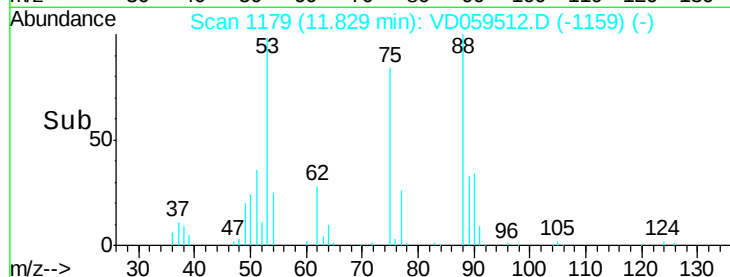
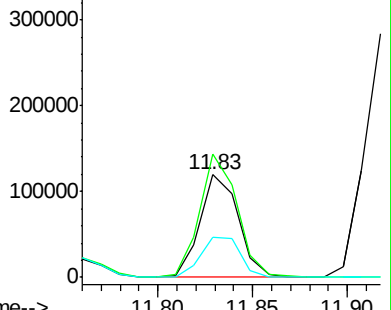
75 100

53 120.8 92.6 139.0

89 39.7 31.5 47.3



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



#82

4-Chlorotoluene

Concen: 93.11 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD059512.D

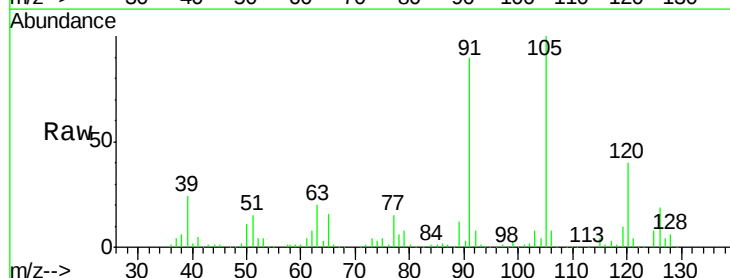
Acq: 2 Jul 2018 19:29

Tgt Ion: 91 Resp: 1758410

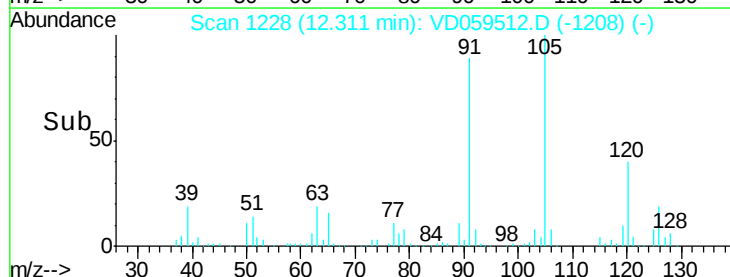
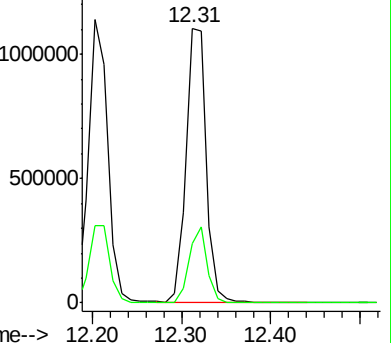
Ion Ratio Lower Upper

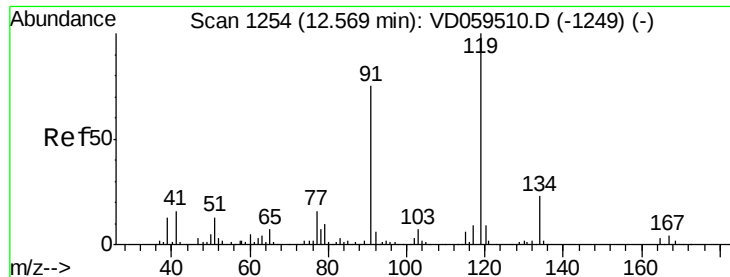
91 100

126 21.5 12.3 36.9



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

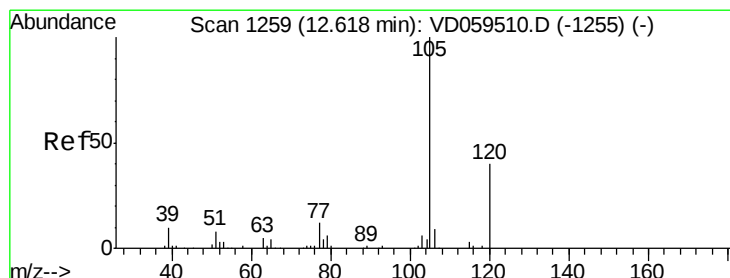
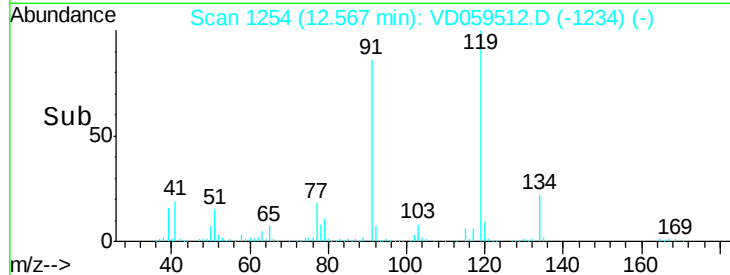
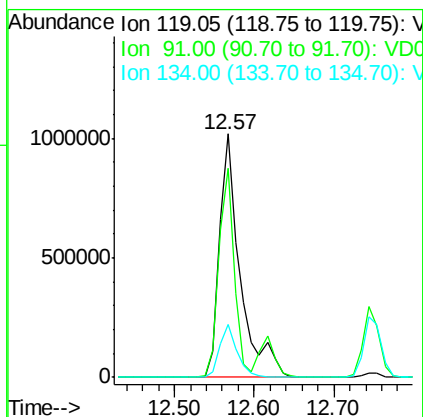
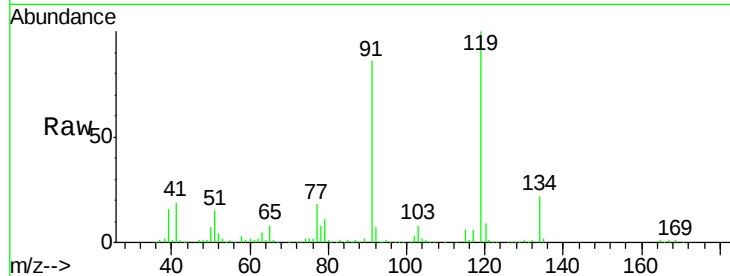




#83
 tert-Butylbenzene
 Concen: 98.28 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

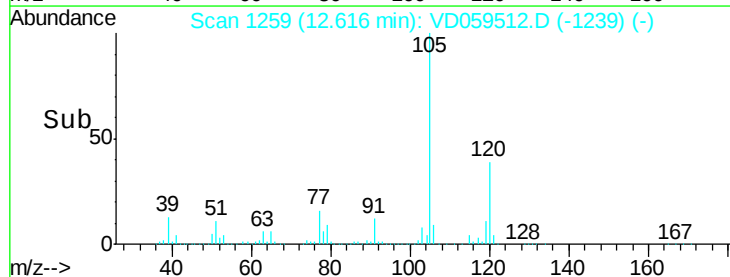
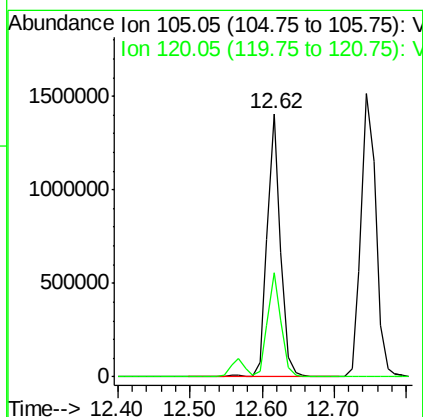
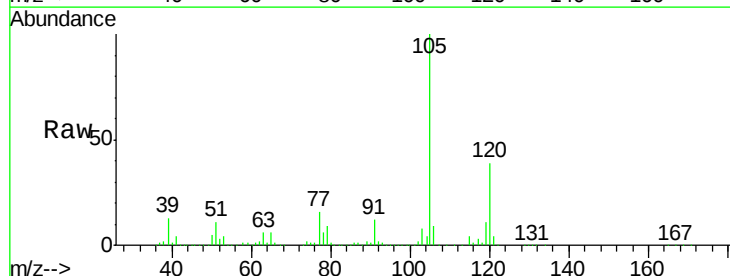
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

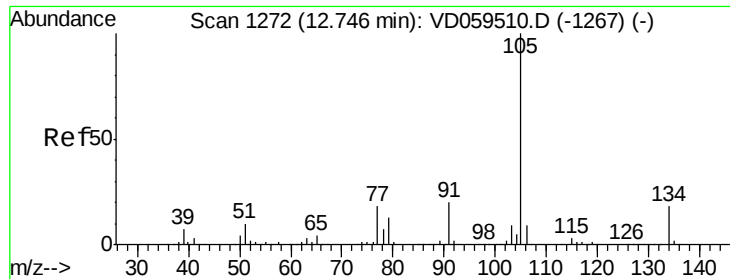
Tot Ion:119 Resp: 1869833
 Ion Ratio Lower Upper
 119 100
 91 86.1 37.8 113.3
 134 21.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 96.76 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion:105 Resp: 1803712
 Ion Ratio Lower Upper
 105 100
 120 39.5 21.1 63.3

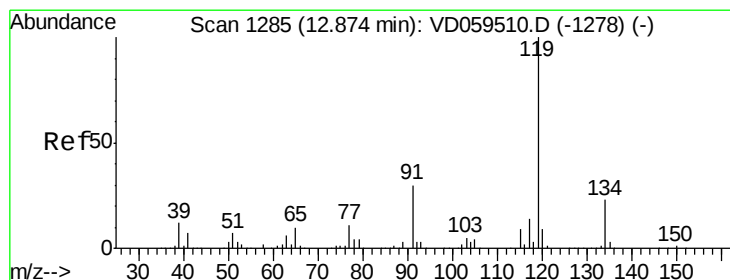
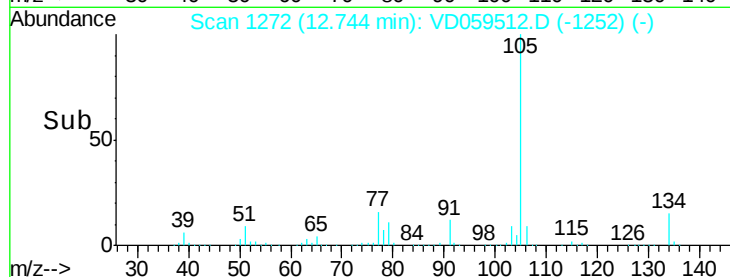
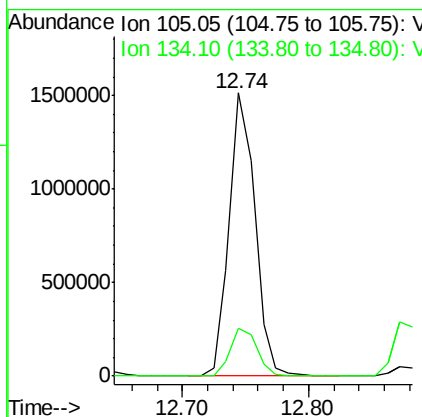
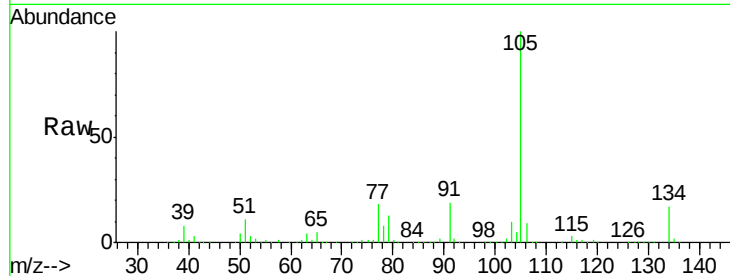




#85
 sec-Butylbenzene
 Concen: 94.05 ug/l
 RT: 12.74 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

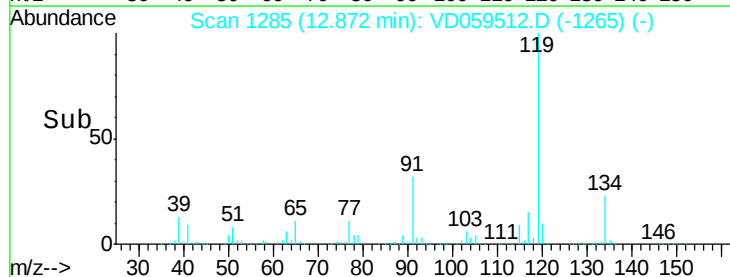
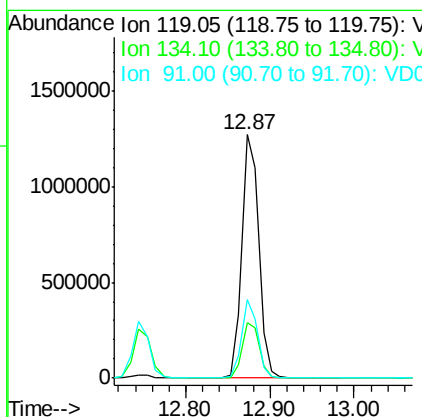
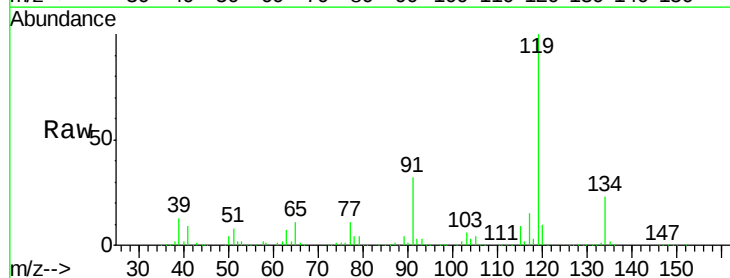
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

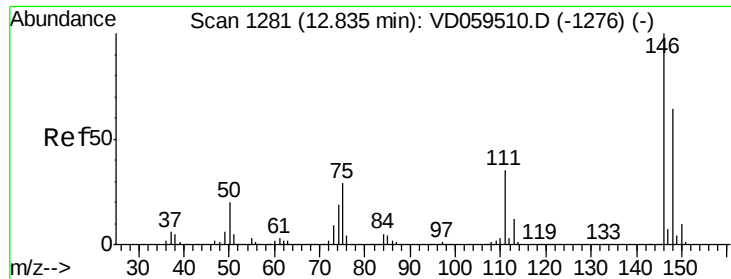
Tot Ion:105 Resp: 2129430
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.8 26.4



#86
 p-Isopropyltoluene
 Concen: 95.62 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion:119 Resp: 1782611
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.6 34.8
 91 32.3 15.3 45.8

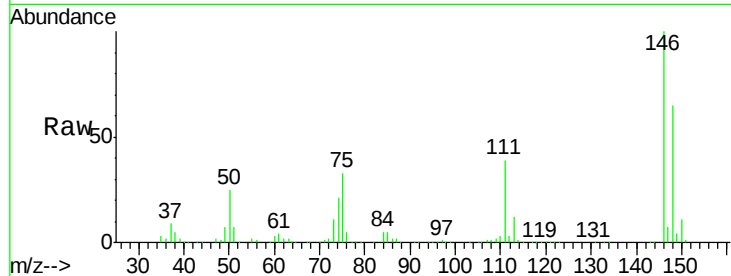




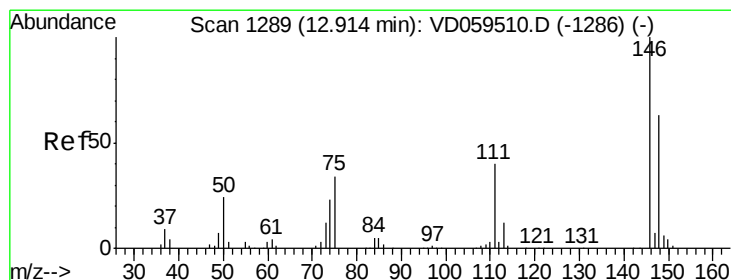
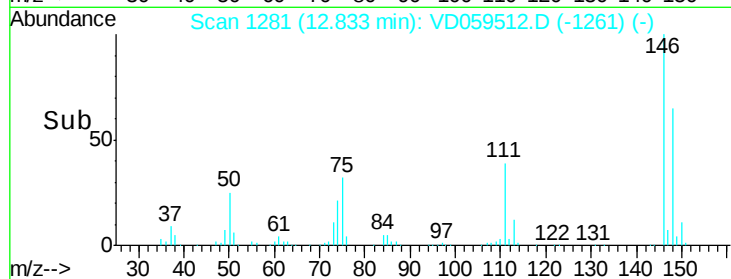
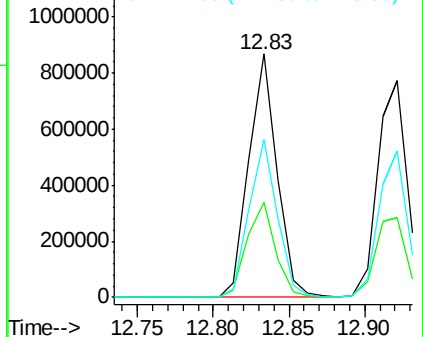
#87
 1,3-Dichlorobenzene
 Concen: 97.90 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1126594
 Ion Ratio Lower Upper
 146 100
 111 39.0 17.6 52.9
 148 65.1 32.0 96.2

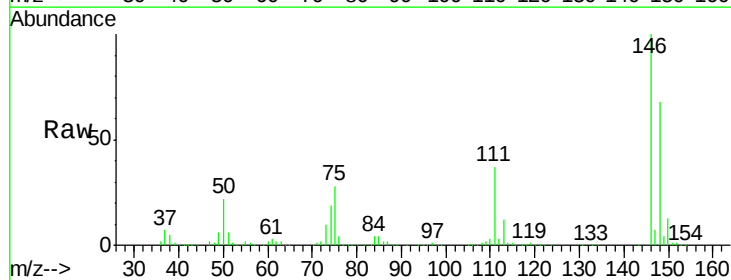


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

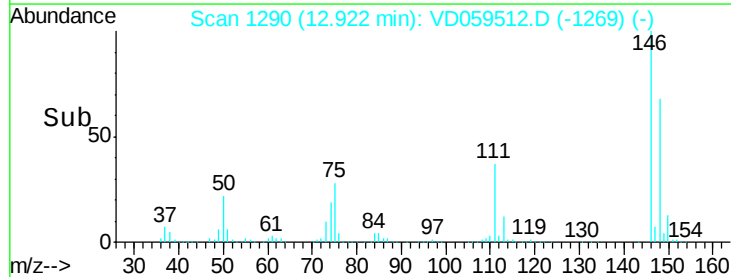
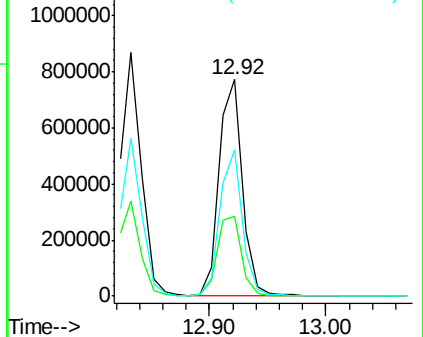


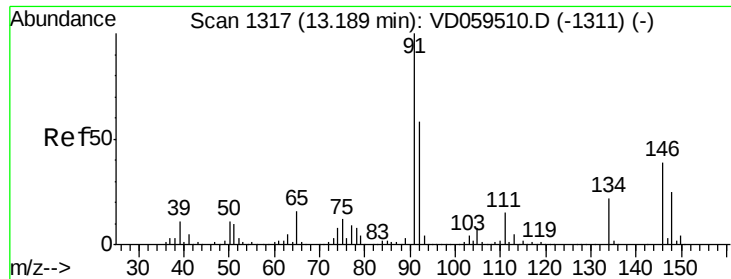
#88
 1,4-Dichlorobenzene
 Concen: 94.38 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion:146 Resp: 1068911
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 59.9
 148 67.7 31.7 95.1



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

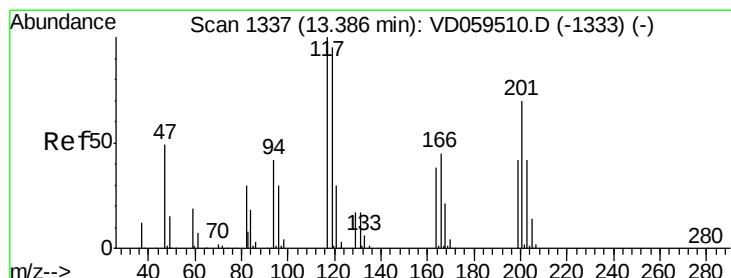
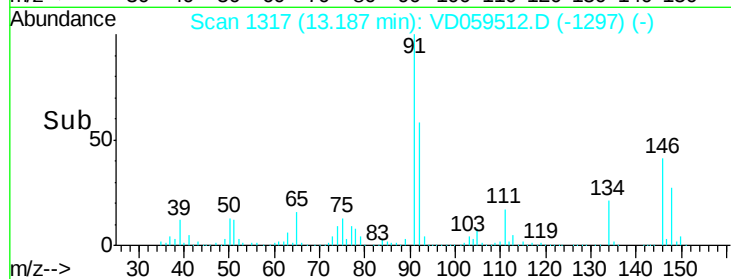
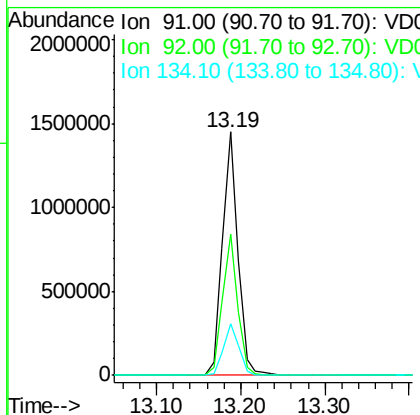
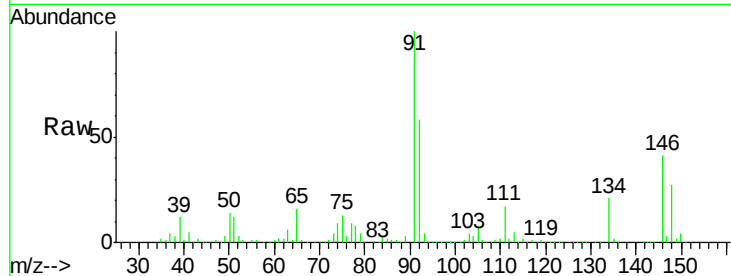




#89
n-Butylbenzene
Concen: 99.28 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

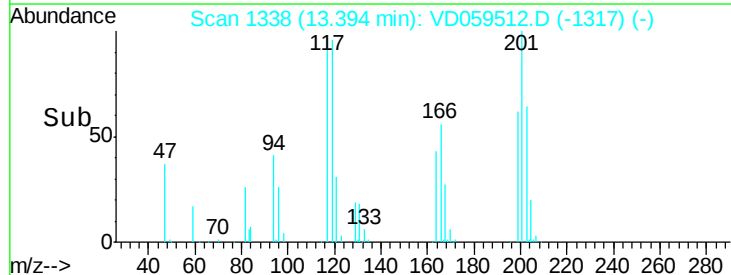
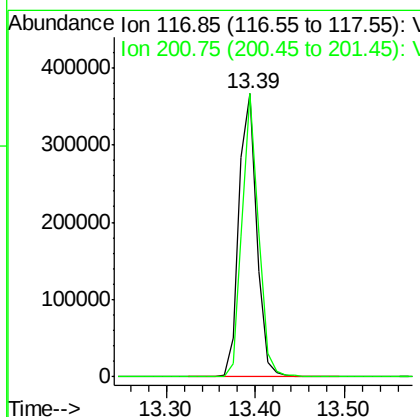
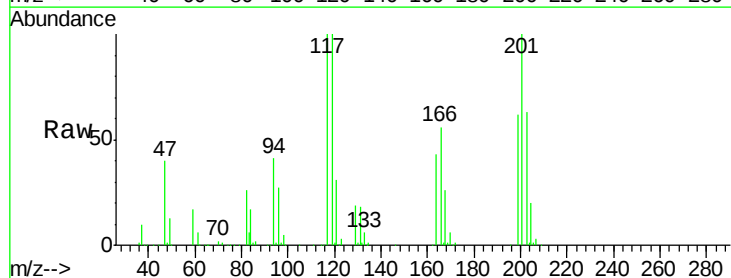
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

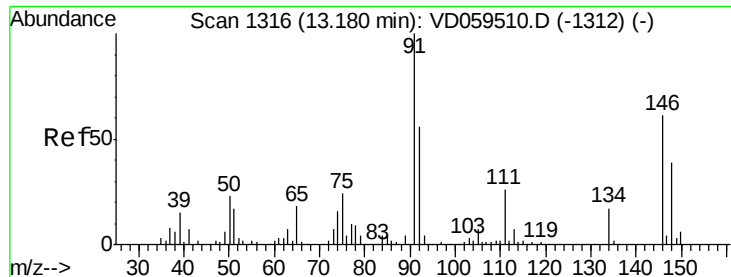
Tot Ion: 91 Resp: 1845773
Ion Ratio Lower Upper
91 100
92 58.1 28.9 86.7
134 21.1 11.3 33.8



#90
Hexachloroethane
Concen: 109.69 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion: 117 Resp: 513452
Ion Ratio Lower Upper
117 100
201 99.9 35.2 105.6

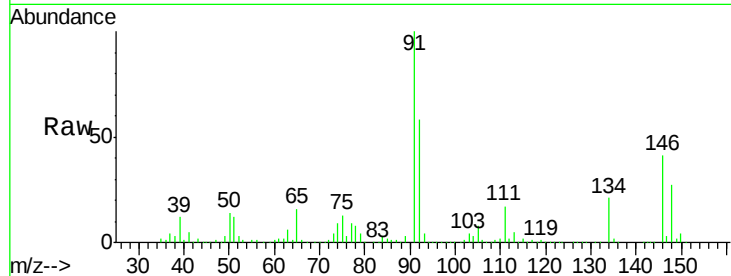




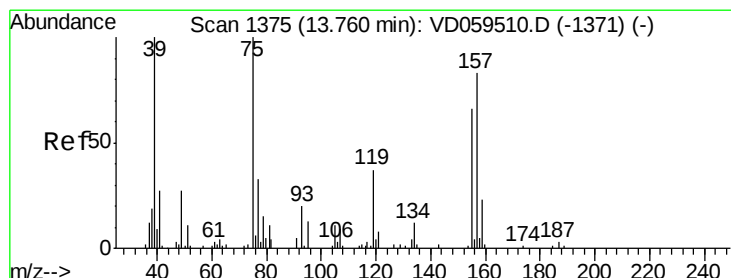
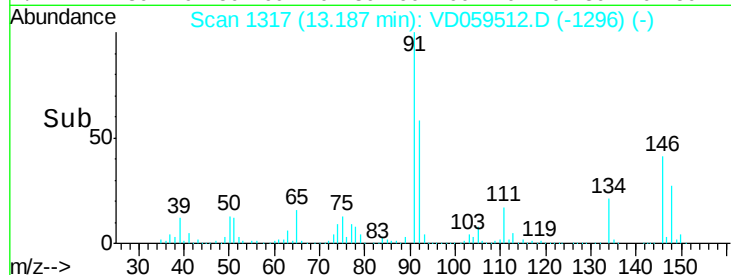
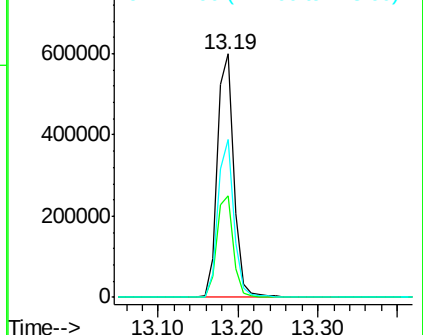
#91
 1,2-Dichlorobenzene
 Concen: 90.09 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 878967
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.3 63.9
 148 64.9 32.4 97.0

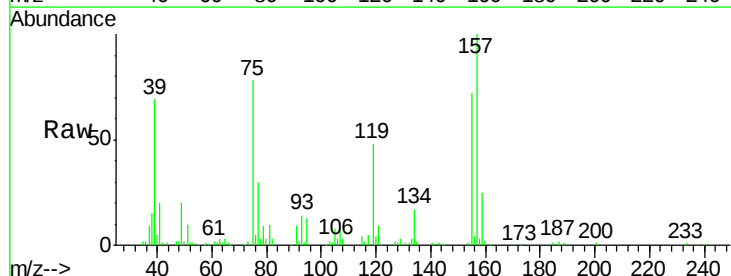


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

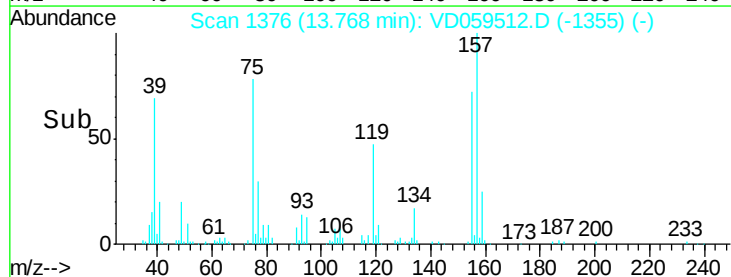
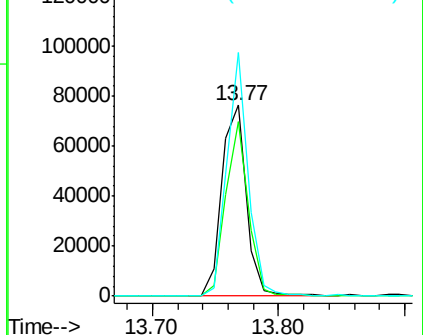


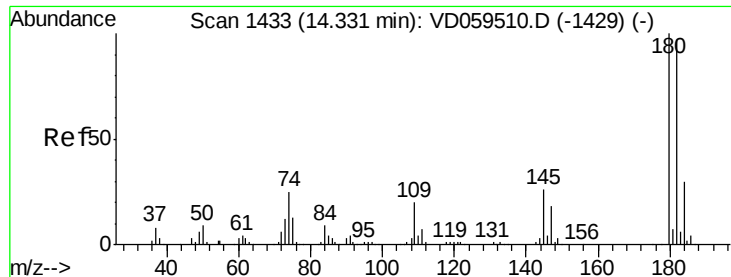
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 119.47 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion: 75 Resp: 103477
 Ion Ratio Lower Upper
 75 100
 155 91.4 32.8 98.4
 157 127.6 41.5 124.5#



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

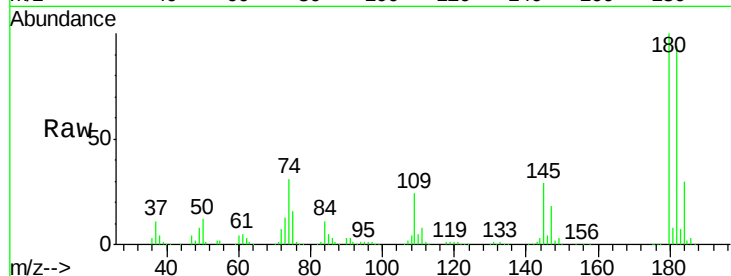




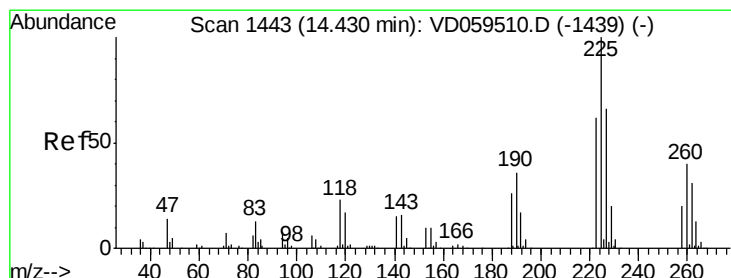
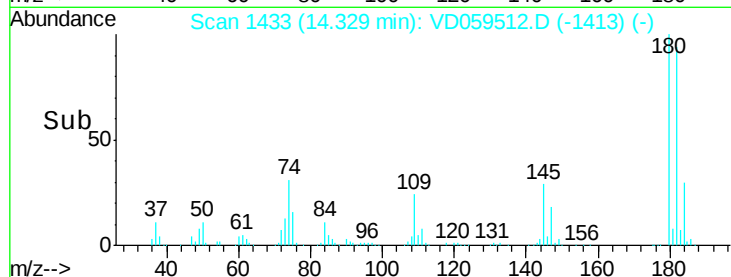
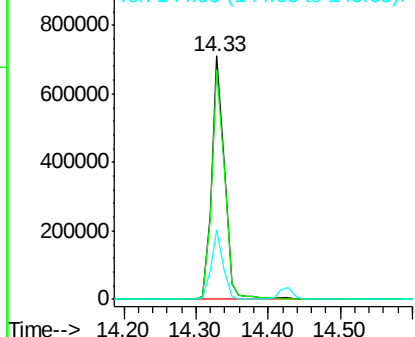
#93
 1,2,4-Trichlorobenzene
 Concen: 97.75 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 866484
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.7 146.1
 145 28.7 13.2 39.6

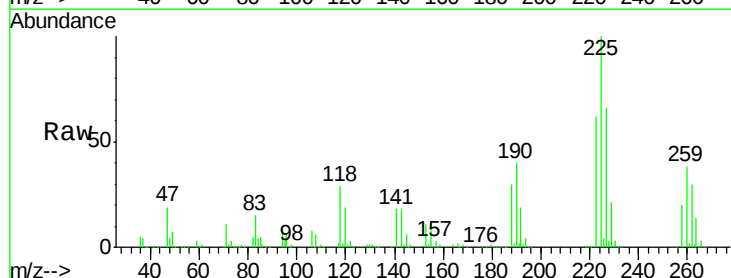


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

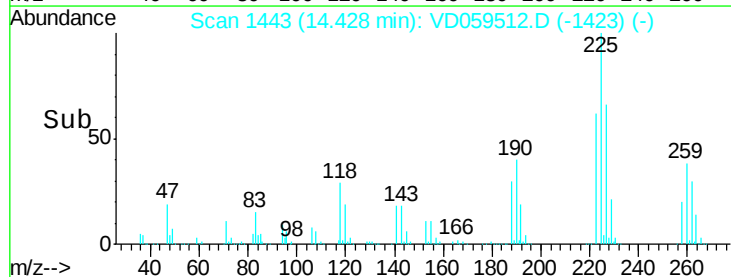
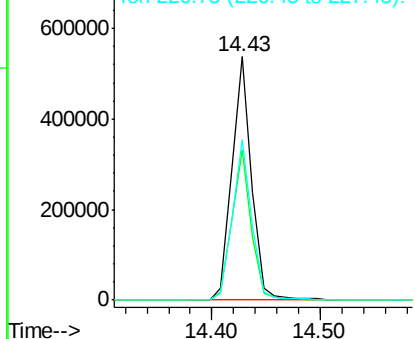


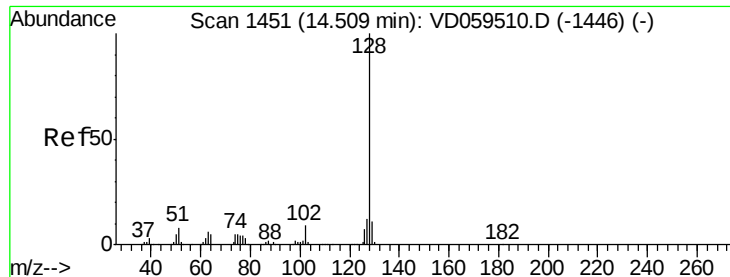
#94
 Hexachlorobutadiene
 Concen: 101.79 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059512.D
 Acq: 2 Jul 2018 19:29

Tgt Ion:225 Resp: 679647
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.0 93.0
 227 65.9 33.1 99.5



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

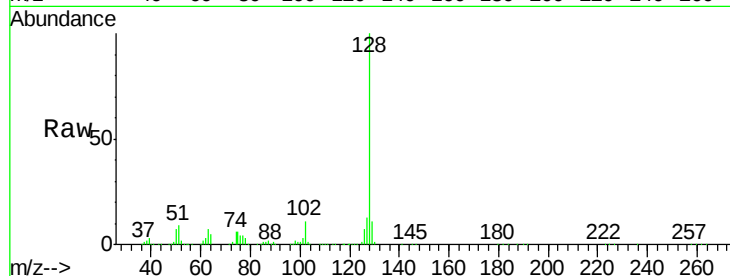




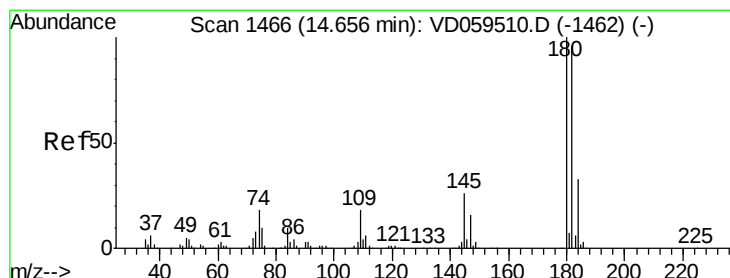
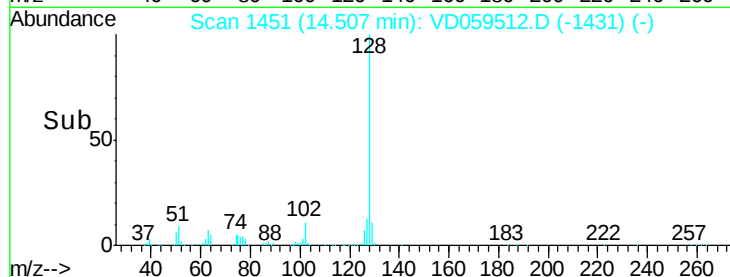
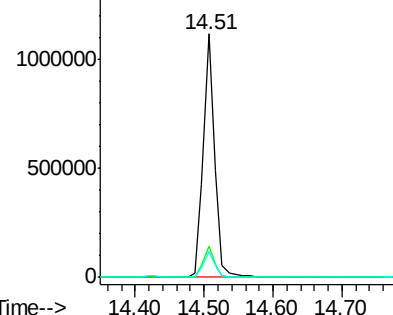
#95
Naphthalene
Concen: 101.93 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1288874
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 10.6 8.6 12.8

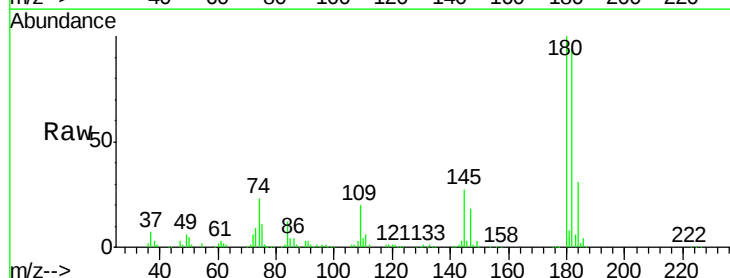


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 98.34 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059512.D
Acq: 2 Jul 2018 19:29

Tgt Ion:180 Resp: 785337
Ion Ratio Lower Upper
180 100
182 94.2 48.1 144.4
145 27.2 13.2 39.6



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

