

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD062518\
 Data File : VD059413.D
 Acq On : 26 Jun 2018 8:02
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 26 17:48:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1076635	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1397076	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	1129675	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	565624	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	512915	46.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.56	113	531355	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	8.71	98	1140815	42.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	85.76%	
62) 4-Bromofluorobenzene	11.92	95	486067	43.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	419509	43.79	ug/l	99
3) Chloromethane	1.52	50	212349	42.60	ug/l	92
4) Vinyl Chloride	1.58	62	242086	46.82	ug/l	100
5) Bromomethane	1.81	94	105346	60.02	ug/l	93
6) Chloroethane	1.90	64	111352	50.61	ug/l	100
7) Trichlorofluoromethane	2.11	101	384953	51.63	ug/l	98
8) Diethyl Ether	2.37	74	87702	51.98	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.57	101	234947	50.70	ug/l	96
10) Methyl Iodide	2.71	142	301449	55.70	ug/l	99
11) Tert butyl alcohol	3.27	59	96560	253.51	ug/l #	92
12) 1,1-Dichloroethene	2.56	96	177662	50.08	ug/l	94
13) Acrolein	2.48	56	72968	214.29	ug/l	98
14) Allyl chloride	2.94	41	422851	52.08	ug/l	98
15) Acrylonitrile	3.37	53	360706	308.56	ug/l	95
16) Acetone	2.62	43	310627	223.54	ug/l #	91
17) Carbon Disulfide	2.77	76	542633	49.94	ug/l	99
18) Methyl Acetate	2.96	43	162102	54.55	ug/l	94
19) Methyl tert-butyl Ether	3.42	73	875250	50.12	ug/l	98
20) Methylene Chloride	3.08	84	220823	57.68	ug/l	91
21) trans-1,2-Dichloroethene	3.40	96	375094	59.80	ug/l	94
22) Diisopropyl ether	4.08	45	1422321	46.55	ug/l	91
23) Vinyl Acetate	4.03	43	3778549	237.38	ug/l	99
24) 1,1-Dichloroethane	3.98	63	821879	47.01	ug/l	98
25) 2-Butanone	4.85	43	621579	213.54	ug/l	97
26) 2,2-Dichloropropane	4.81	77	630294	46.49	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	470477	44.63	ug/l	94
28) Bromochloromethane	5.15	49	370049	48.83	ug/l	97
29) Tetrahydrofuran	5.19	42	352231	221.22	ug/l	97
30) Chloroform	5.33	83	948753	49.79	ug/l	94
31) Cyclohexane	5.59	56	547585	47.25	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	837042	54.25	ug/l	98
36) 1,1-Dichloropropene	5.75	75	586008	46.24	ug/l	96
37) Ethyl Acetate	4.93	43	337395	43.72	ug/l	98
38) Carbon Tetrachloride	5.73	117	712775	54.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.28	83	524963	43.67	ug/l	96
40) Benzene	6.02	78	1395931	45.90	ug/l	99
41) Methacrylonitrile	5.13	41	171518	46.14	ug/l	92
42) 1,2-Dichloroethane	6.13	62	685291	51.00	ug/l	97
43) Isopropyl Acetate	7.61	43	448039	46.23	ug/l	# 100
44) Trichloroethene	6.98	130	464046	46.60	ug/l	91
45) 1,2-Dichloropropane	7.35	63	399146	47.39	ug/l	94
46) Dibromomethane	7.46	93	303148	50.04	ug/l	91
47) Bromodichloromethane	7.74	83	683648	50.44	ug/l	97
48) Methyl methacrylate	7.50	41	286220	48.47	ug/l	99
49) 1,4-Dioxane	7.49	88	52655	889.11	ug/l	# 88
51) 4-Methyl-2-Pentanone	8.59	43	1447893	224.18	ug/l	97
52) Toluene	8.79	92	836164	46.03	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	561747	49.59	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	643601	49.07	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	316131	47.94	ug/l	96
56) Ethyl methacrylate	9.31	69	361834	48.08	ug/l	95
57) 1,3-Dichloropropane	9.66	76	509013	47.19	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	918636	237.14	ug/l	98
59) 2-Hexanone	9.78	43	1034584	225.38	ug/l	100
60) Dibromochloromethane	9.96	129	483161	52.32	ug/l	99
61) 1,2-Dibromoethane	10.09	107	367097	49.99	ug/l	96
64) Tetrachloroethene	9.50	164	489381	49.38	ug/l	97
65) Chlorobenzene	10.71	112	967682	46.85	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	406562	51.28	ug/l	95
67) Ethyl Benzene	10.85	91	1666852	47.82	ug/l	100
68) m/p-Xylenes	11.01	106	1087061	94.00	ug/l	93
69) o-Xylene	11.40	106	550201	48.12	ug/l	97
70) Styrene	11.43	104	923466	47.12	ug/l	99
71) Bromoform	11.59	173	354833	54.02	ug/l	95
73) Isopropylbenzene	11.77	105	1596025	50.00	ug/l	98
74) N-amyl acetate	11.64	43	595402	49.03	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	370507	49.48	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	376463	48.25	ug/l	98
77) Bromobenzene	12.03	156	499361	49.71	ug/l	96
78) n-propylbenzene	12.15	91	1925408	47.63	ug/l	99
79) 2-Chlorotoluene	12.21	91	1168529	49.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1215793	47.85	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	85097	47.99	ug/l	96
82) 4-Chlorotoluene	12.32	91	1285321	47.75	ug/l	100
83) tert-Butylbenzene	12.57	119	1404366	51.96	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	1316696	48.96	ug/l	99
85) sec-Butylbenzene	12.75	105	1636407	49.34	ug/l	98
86) p-Isopropyltoluene	12.88	119	1340497	50.14	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	834482	50.49	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	801522	49.14	ug/l	97
89) n-Butylbenzene	13.19	91	1207886	45.77	ug/l	99
90) Hexachloroethane	13.39	117	400638	60.07	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	679379	48.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	66400	53.77	ug/l	97

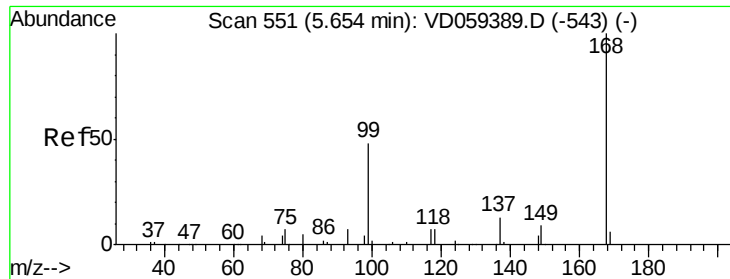
Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD062518\
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QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	657065	50.72	ug/l	97
94) Hexachlorobutadiene	14.42	225	505539	51.86	ug/l	98
95) Naphthalene	14.51	128	887429	49.15	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	578359	49.65	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

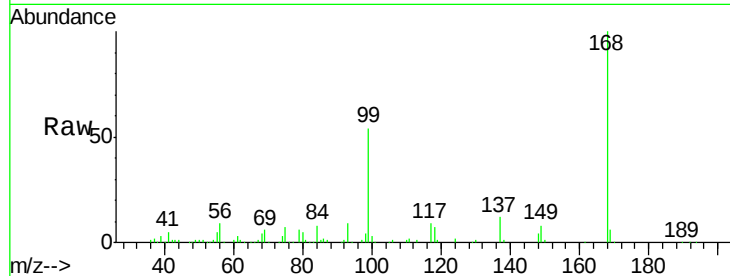
VSTDCCC050EC

Tot Ion:168 Resp: 1076635

Ion Ratio Lower Upper

168 100

99 54.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

400000

300000

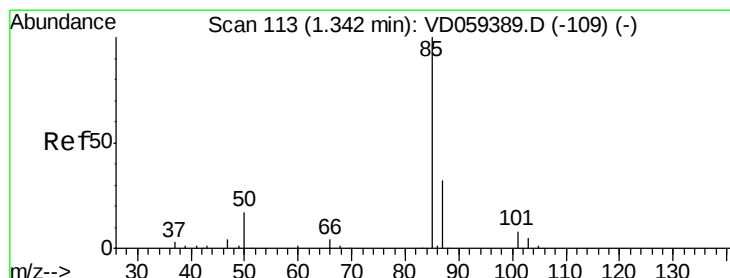
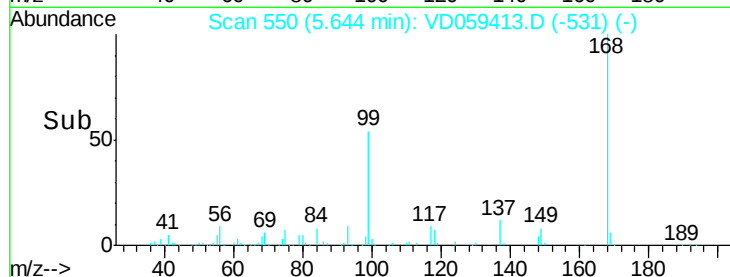
200000

100000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 43.79 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD059413.D

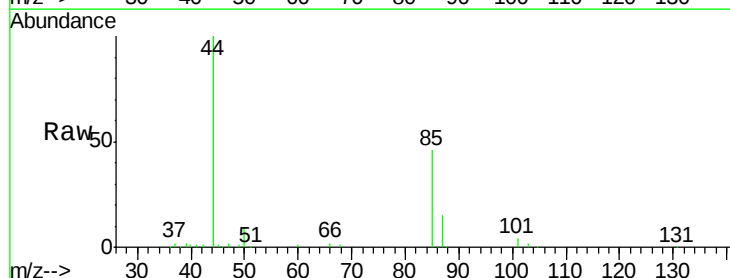
Acq: 26 Jun 2018 8:02

Tgt Ion: 85 Resp: 419509

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

120000

100000

80000

60000

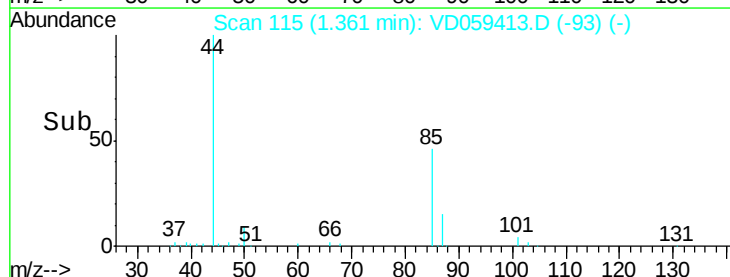
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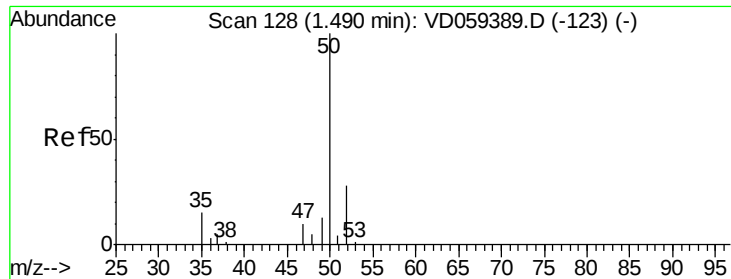
20000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 42.60 ug/l

RT: 1.52 min Scan# 131

Delta R.T. 0.03 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

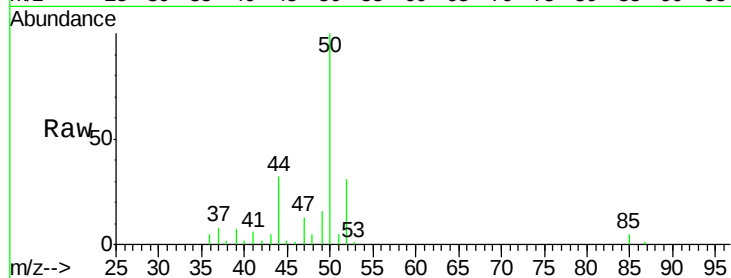
VSTDCCC050EC

Tot Ion: 50 Resp: 212349

Ion Ratio Lower Upper

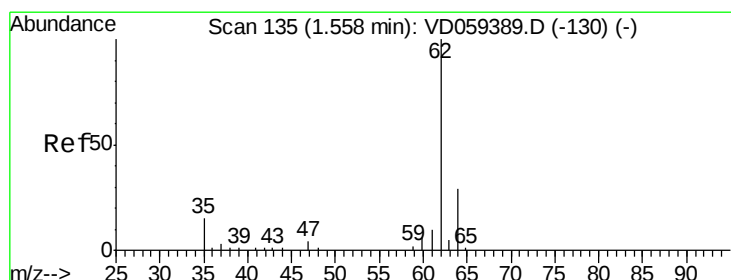
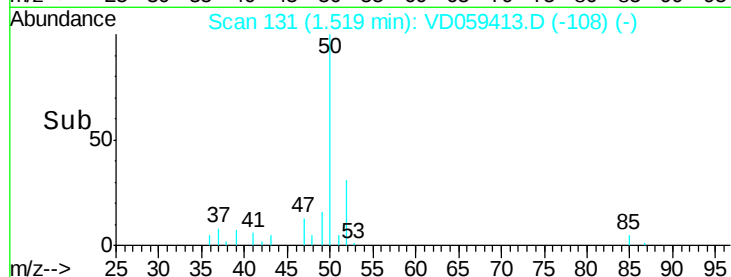
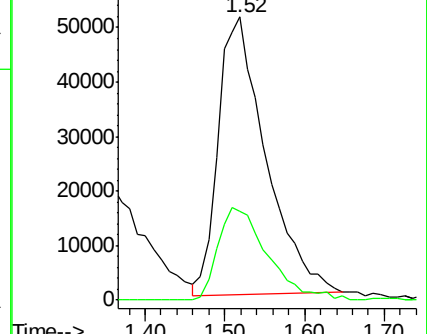
50 100

52 31.4 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.82 ug/l

RT: 1.58 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD059413.D

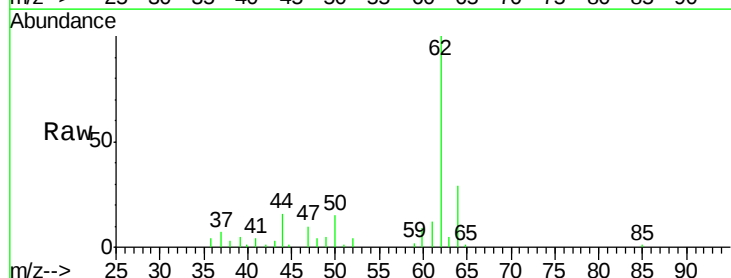
Acq: 26 Jun 2018 8:02

Tgt Ion: 62 Resp: 242086

Ion Ratio Lower Upper

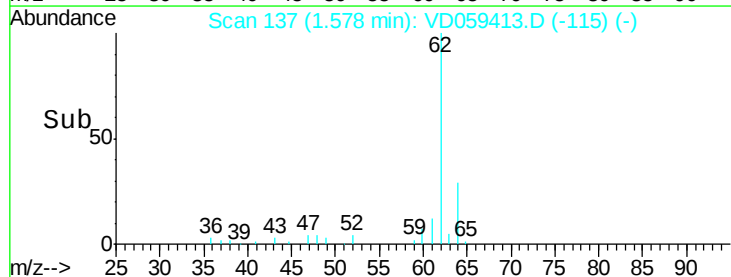
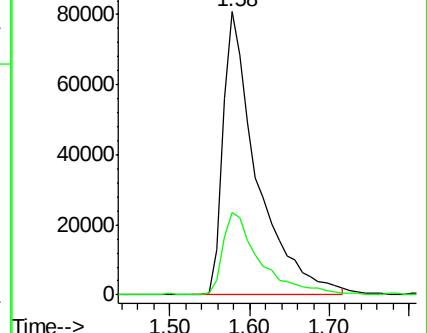
62 100

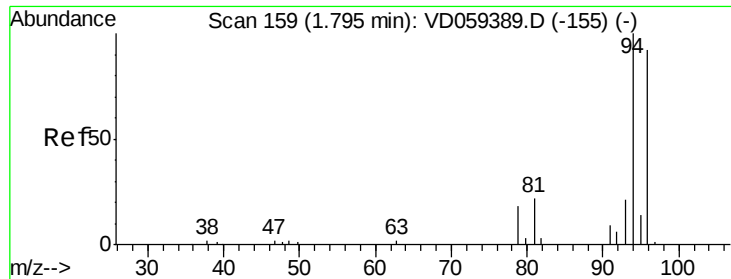
64 29.0 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

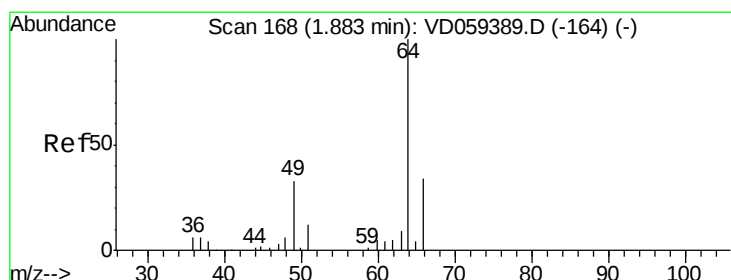
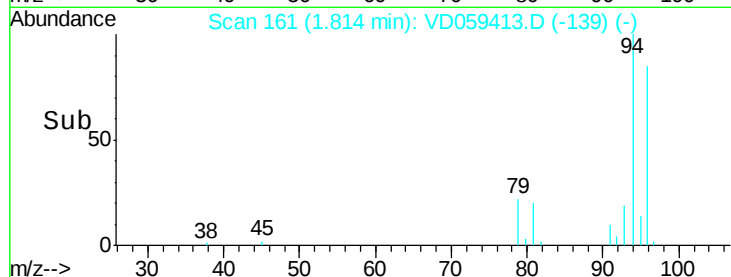
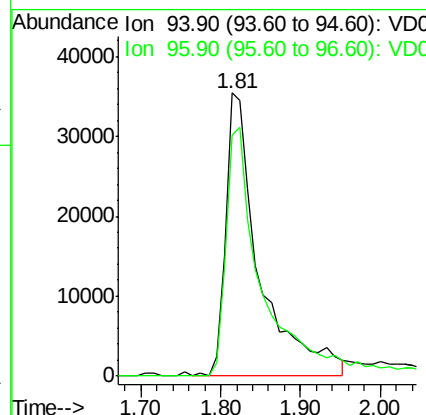
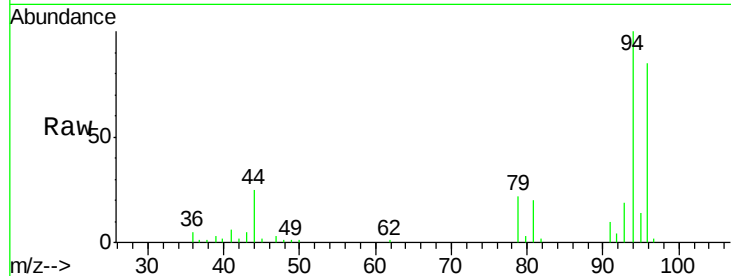




#5
Bromomethane
Concen: 60.02 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.02 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

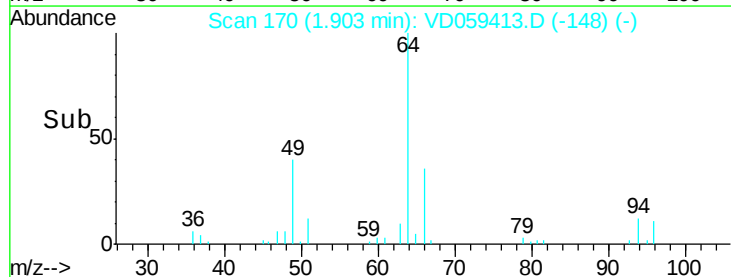
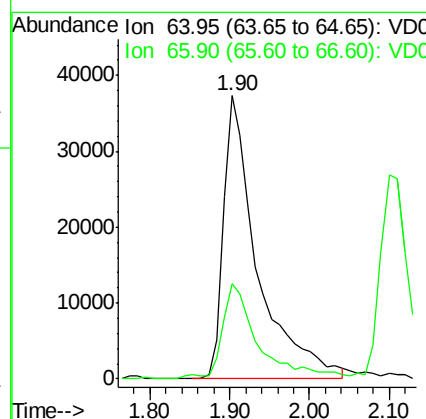
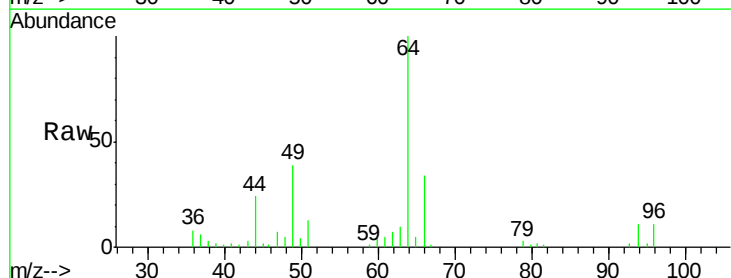
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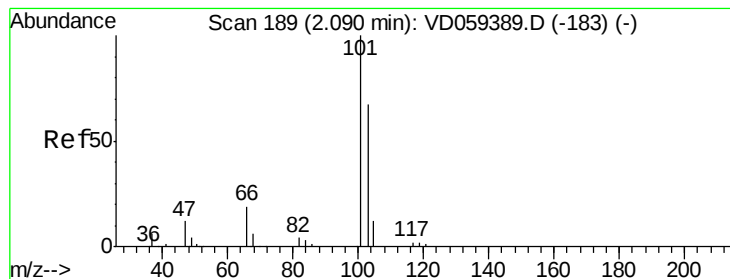
Tot Ion: 94 Resp: 105346
Ion Ratio Lower Upper
94 100
96 85.3 73.4 110.0



#6
Chloroethane
Concen: 50.61 ug/l
RT: 1.90 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 64 Resp: 111352
Ion Ratio Lower Upper
64 100
66 33.8 27.1 40.7



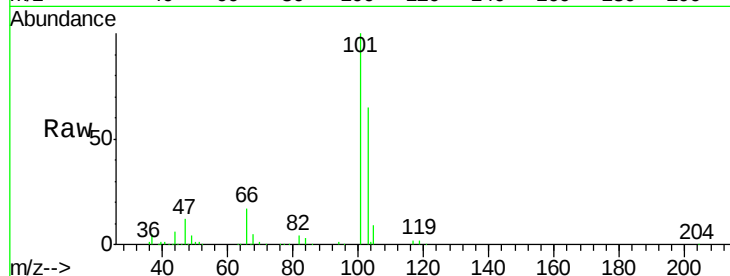


#7

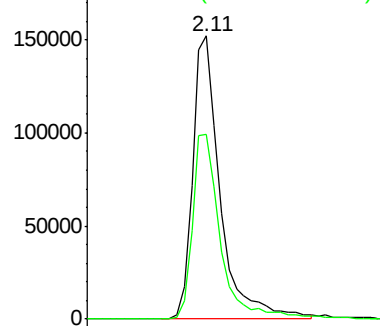
Trichlorofluoromethane
 Concen: 51.63 ug/l
 RT: 2.11 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

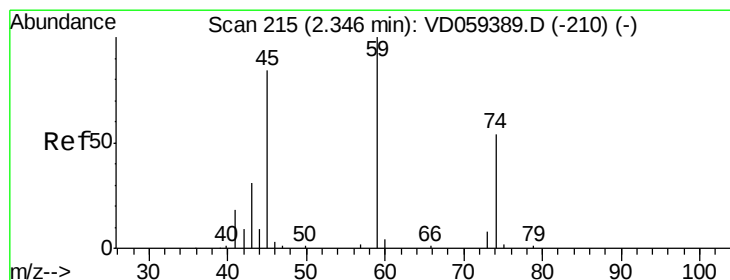
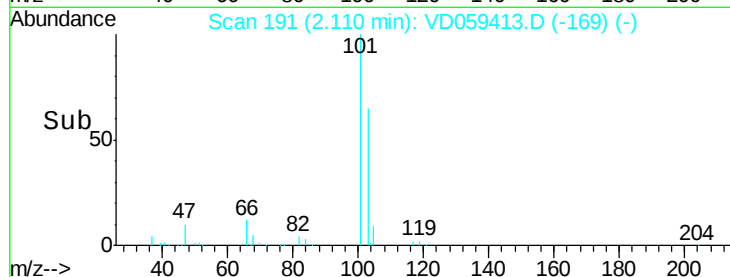
Tot Ion:101 Resp: 384953
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.4 80.0



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



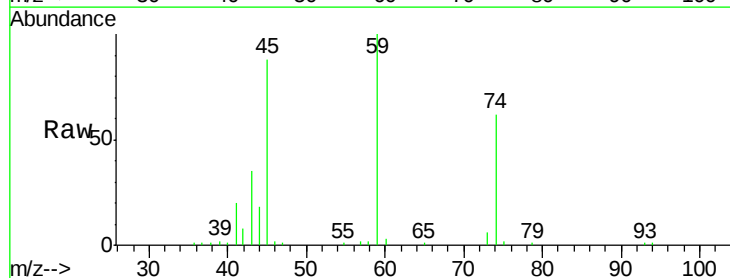
Time-->



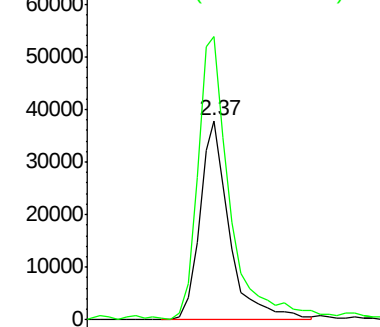
#8

Diethyl Ether
 Concen: 51.98 ug/l
 RT: 2.37 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

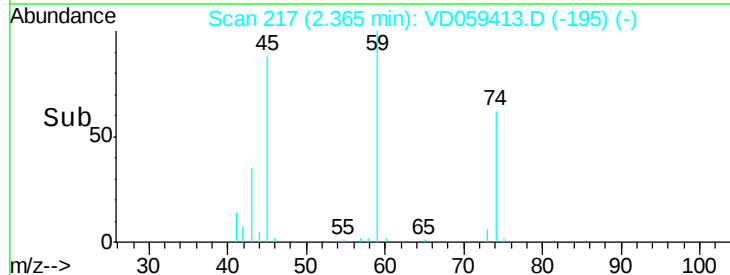
Tgt Ion: 74 Resp: 87702
 Ion Ratio Lower Upper
 74 100
 45 142.3 78.0 233.8

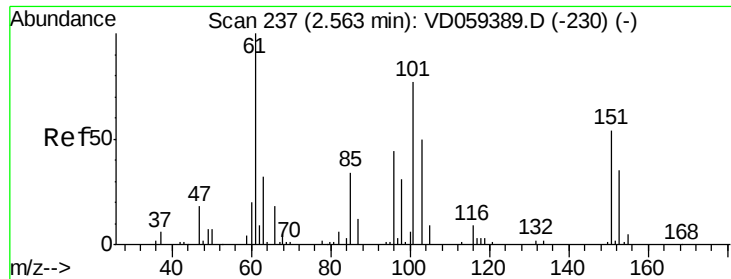


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.70 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

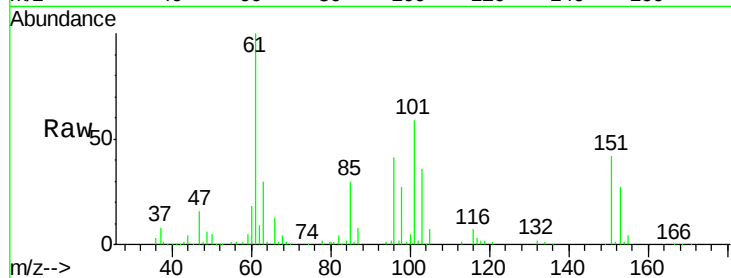
Tot Ion:101 Resp: 234947

Ion Ratio Lower Upper

101 100

85 50.4 35.7 53.5

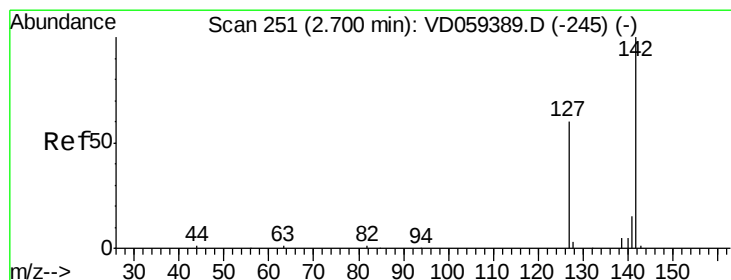
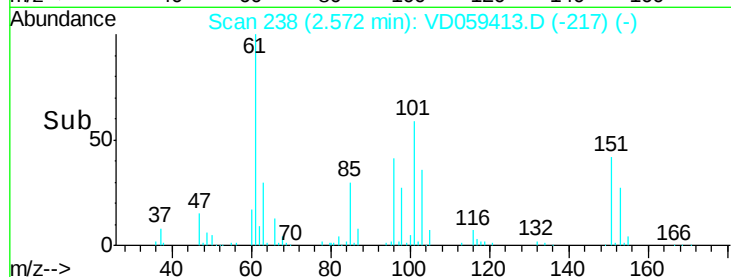
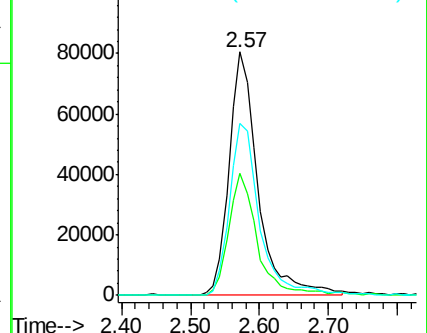
151 70.4 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 55.70 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

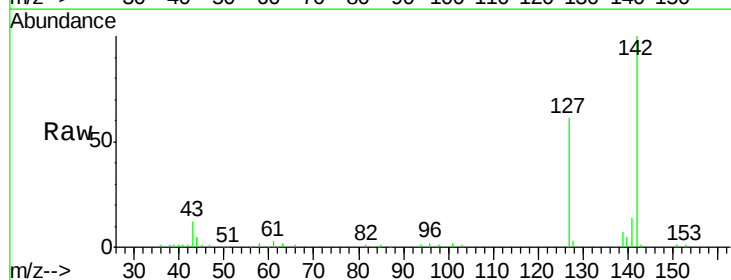
Tgt Ion:142 Resp: 301449

Ion Ratio Lower Upper

142 100

127 61.0 48.4 72.6

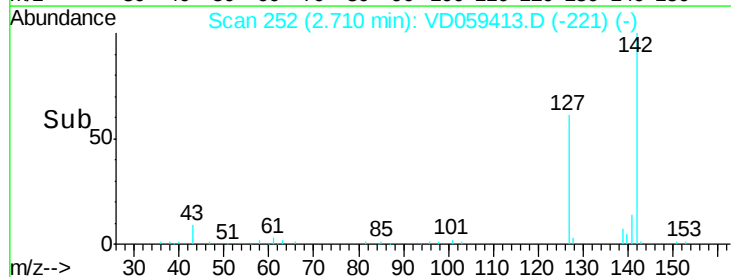
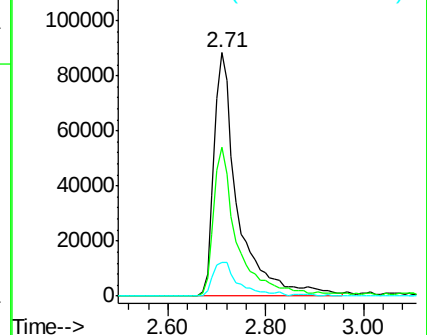
141 13.6 12.1 18.1

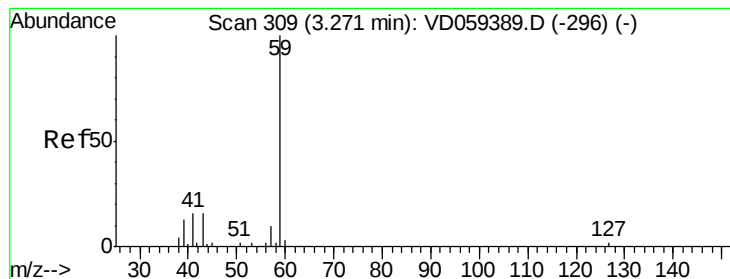


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 253.51 ug/l

RT: 3.27 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

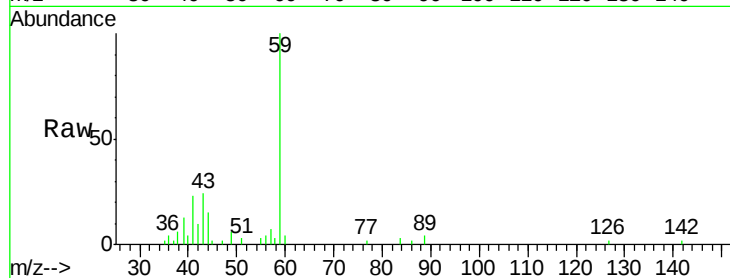
VSTDCCC050EC

Tot Ion: 59 Resp: 96560

Ion Ratio Lower Upper

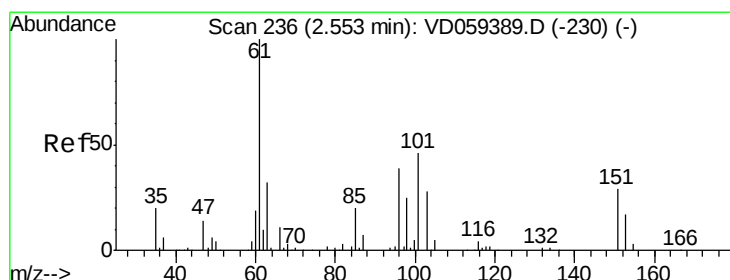
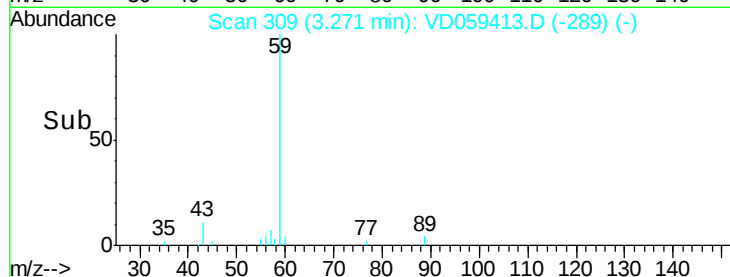
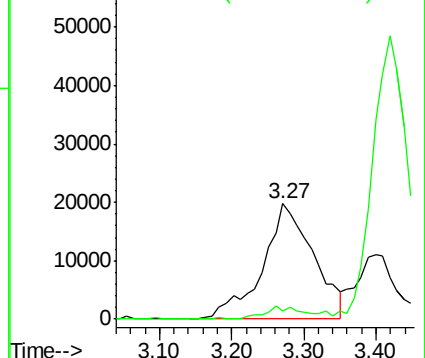
59 100

57 7.5 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 50.08 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

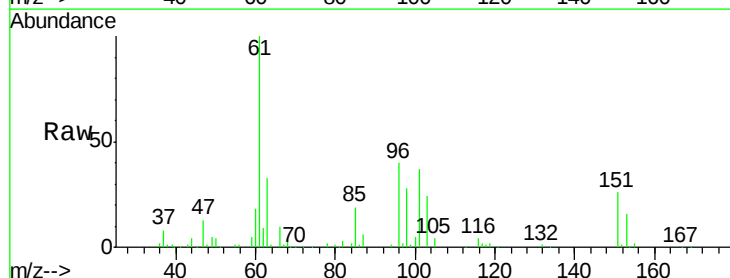
Tgt Ion: 96 Resp: 177662

Ion Ratio Lower Upper

96 100

61 247.7 205.4 308.0

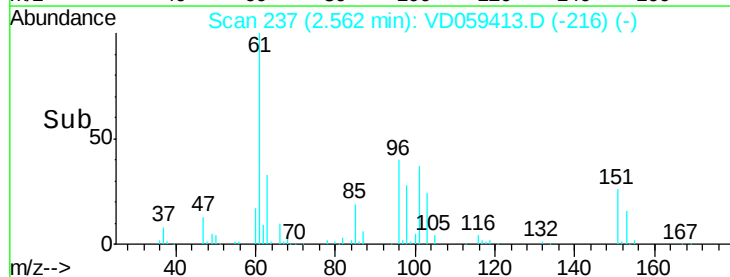
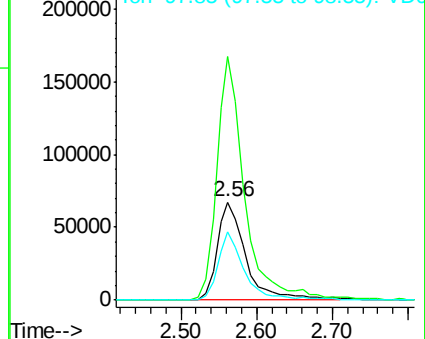
98 69.4 51.0 76.4

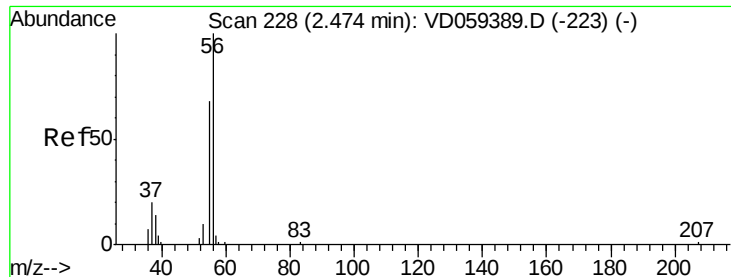


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 214.29 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

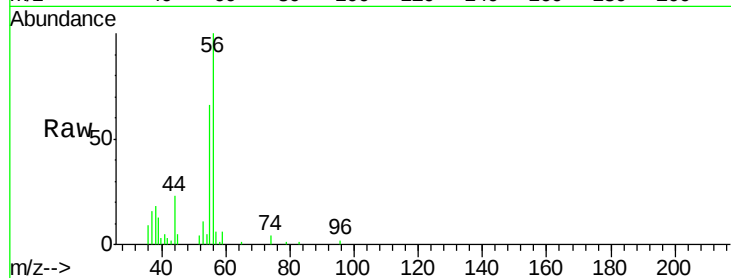
VSTDCCC050EC

Tot Ion: 56 Resp: 72968

Ion Ratio Lower Upper

56 100

55 66.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

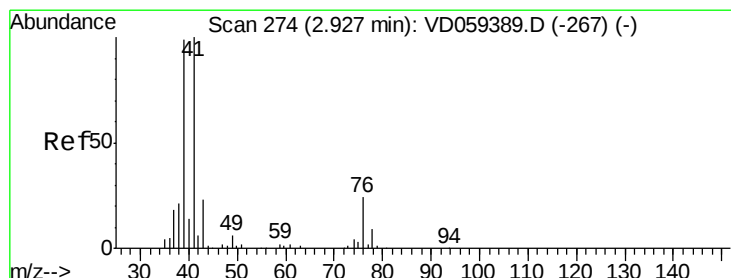
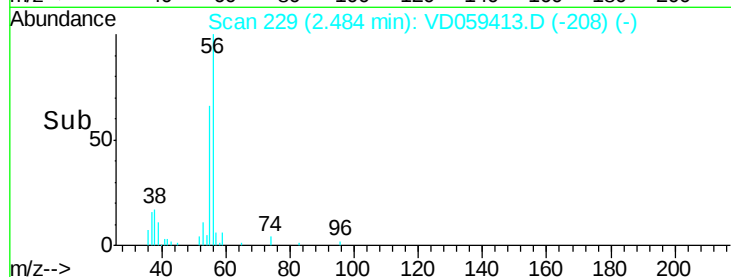
5000

0

Time-->

2.40 2.50 2.60 2.70

2.48



#14

Allyl chloride

Concen: 52.08 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

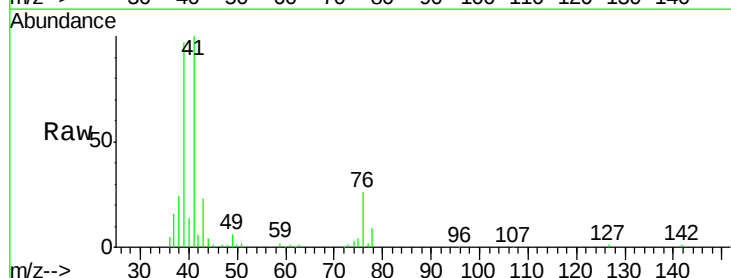
Tgt Ion: 41 Resp: 422851

Ion Ratio Lower Upper

41 100

39 96.7 79.1 118.7

76 26.3 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

150000

100000

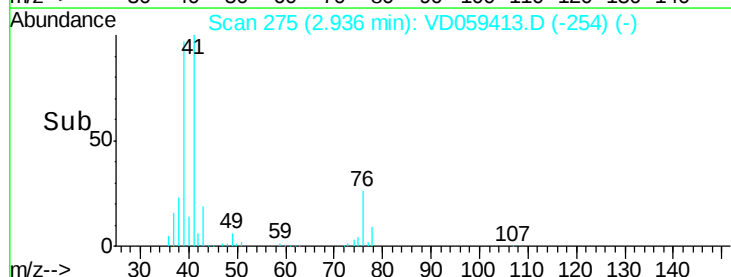
50000

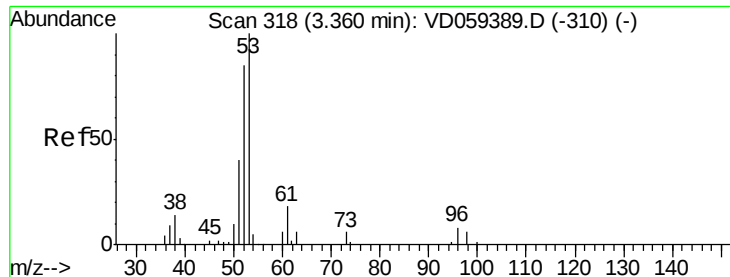
0

Time-->

2.80 2.90 3.00 3.10

2.94





#15

Acrylonitrile

Concen: 308.56 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

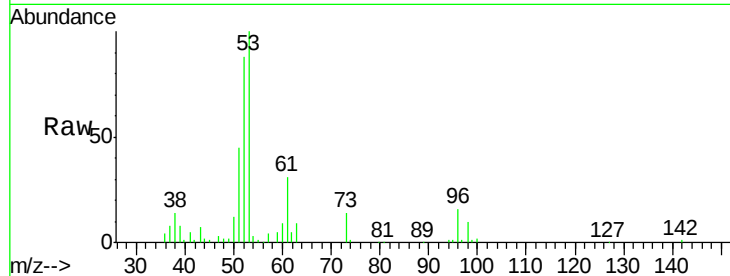
Tot Ion: 53 Resp: 360706

Ion Ratio Lower Upper

53 100

52 87.9 67.9 101.9

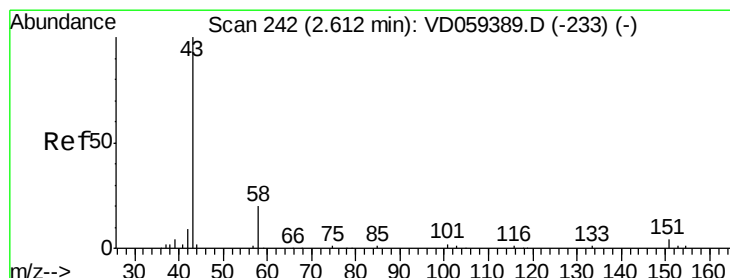
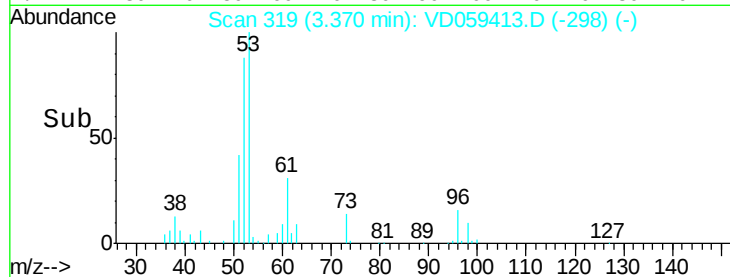
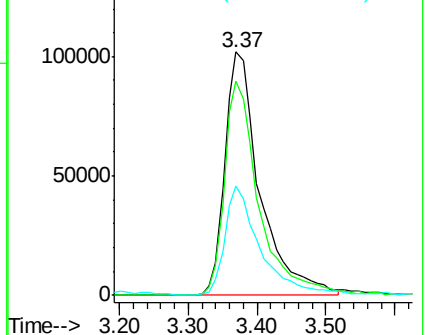
51 44.9 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 223.54 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059413.D

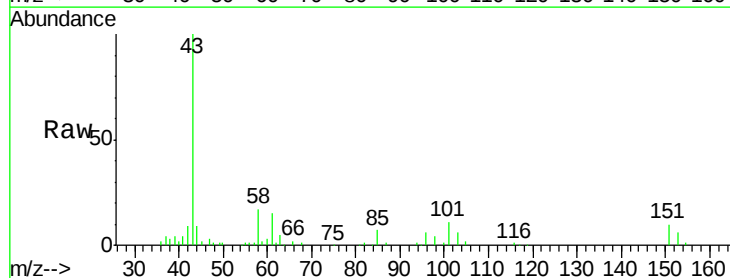
Acq: 26 Jun 2018 8:02

Tgt Ion: 43 Resp: 310627

Ion Ratio Lower Upper

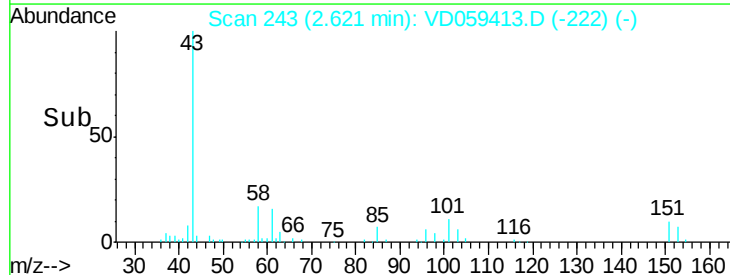
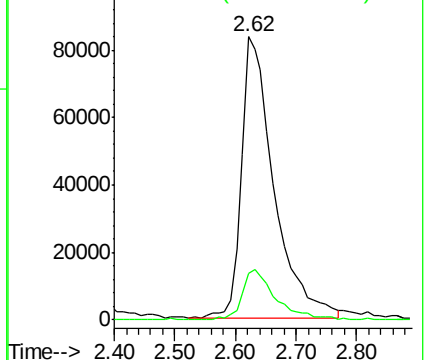
43 100

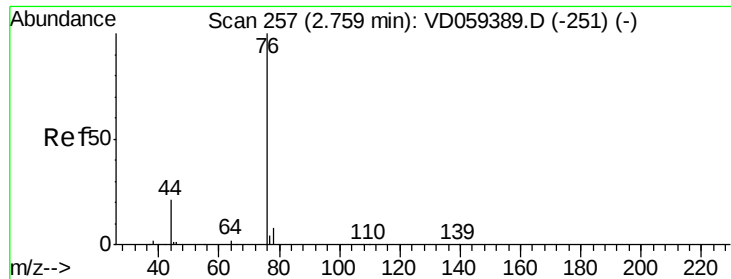
58 16.6 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

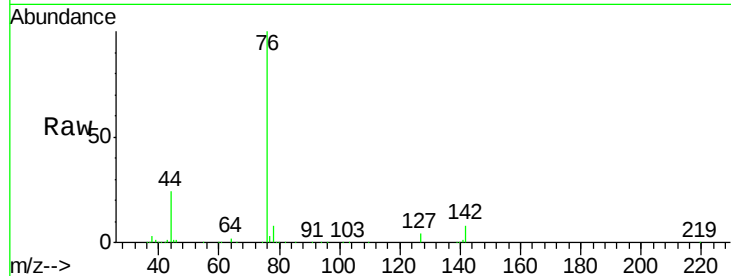




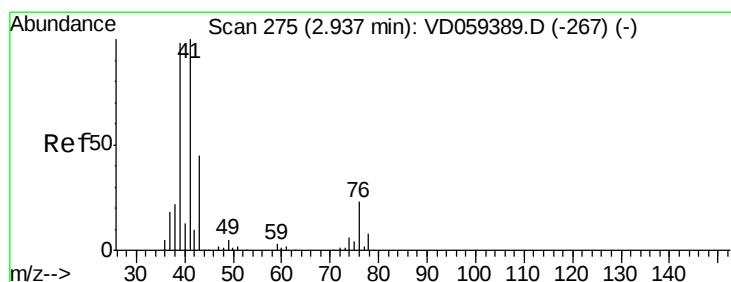
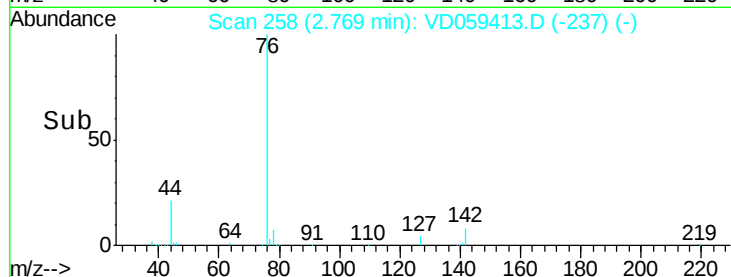
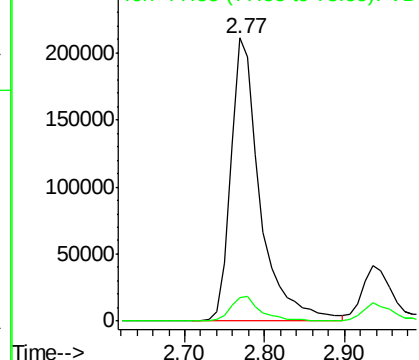
#17
Carbon Disulfide
Concen: 49.94 ug/l
RT: 2.77 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 542633
Ion Ratio Lower Upper
76 100
78 8.5 6.6 9.8

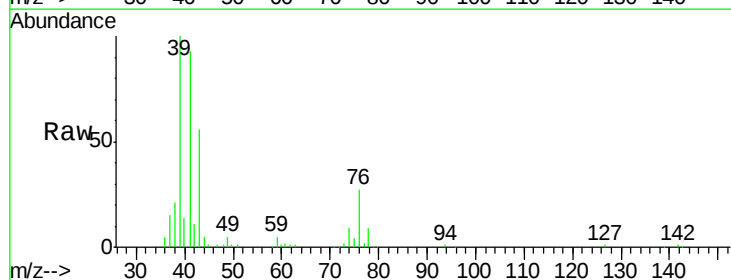


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

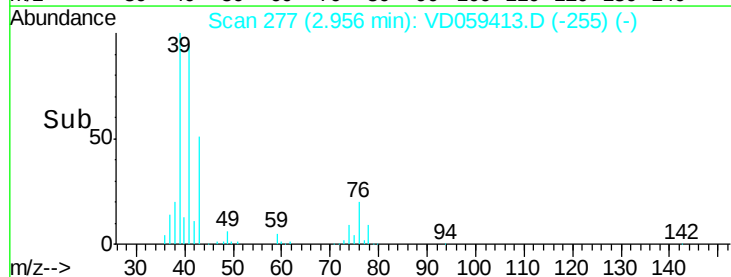
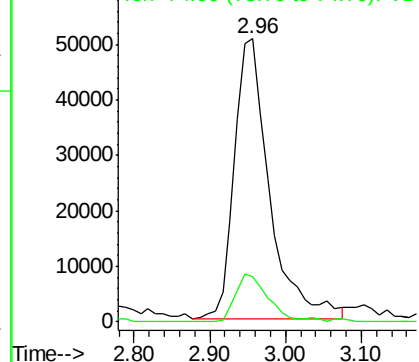


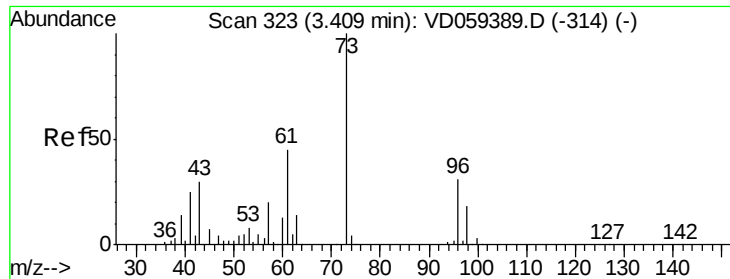
#18
Methyl Acetate
Concen: 54.55 ug/l
RT: 2.96 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 43 Resp: 162102
Ion Ratio Lower Upper
43 100
74 16.0 11.0 16.4



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

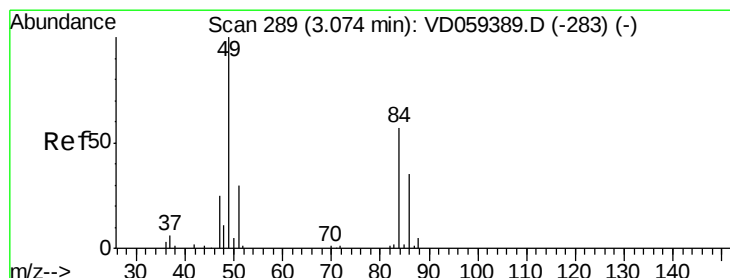
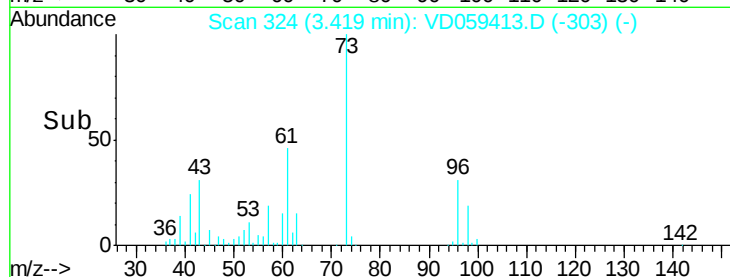
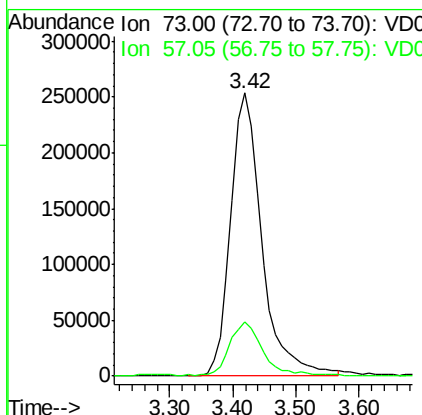
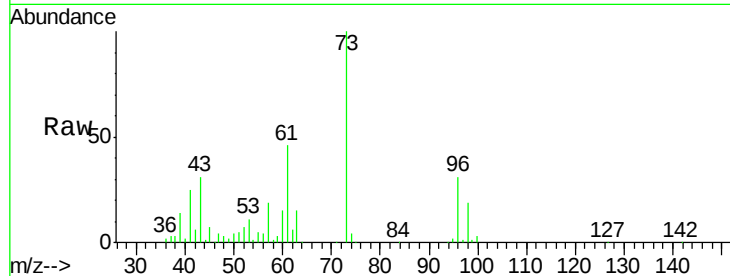




#19
Methvl tert-butvl Ether
Concen: 50.12 ug/l
RT: 3.42 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

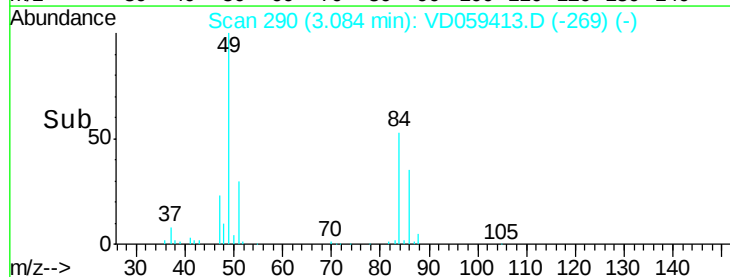
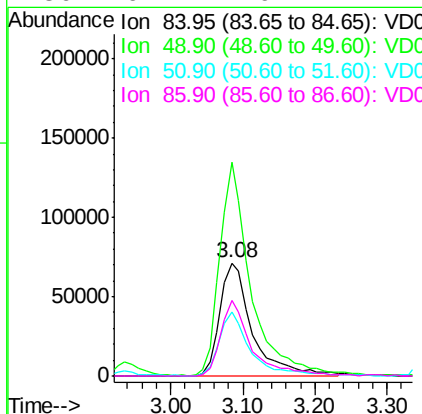
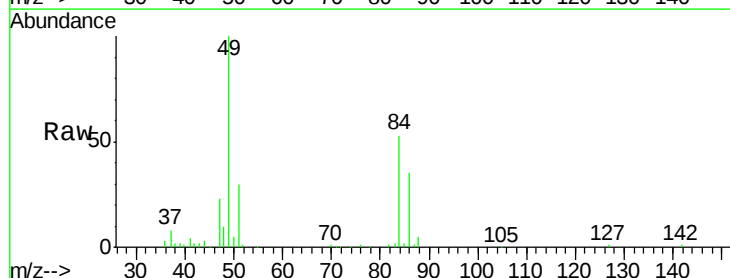
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

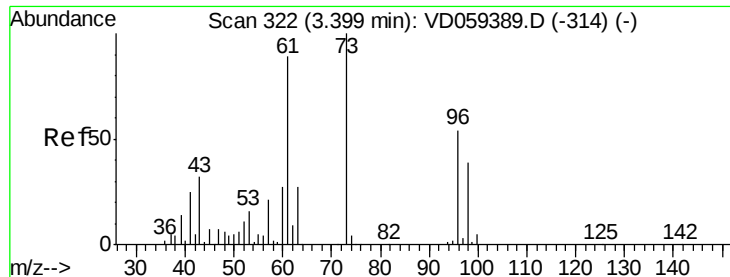
Tot Ion: 73 Resp: 875250
Ion Ratio Lower Upper
73 100
57 19.1 16.1 24.1



#20
Methylene Chloride
Concen: 57.68 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 84 Resp: 220823
Ion Ratio Lower Upper
84 100
49 189.3 140.3 210.5
51 56.3 41.6 62.4
86 67.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 59.80 ug/l

RT: 3.40 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

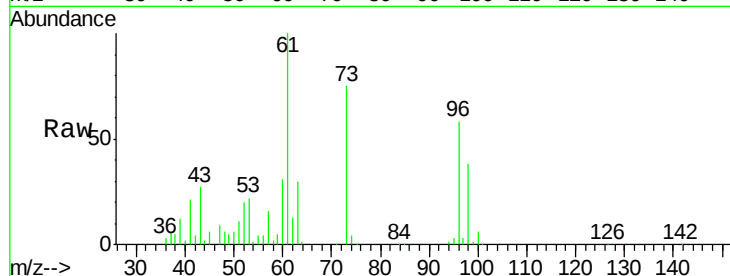
Tot Ion: 96 Resp: 375094

Ion Ratio Lower Upper

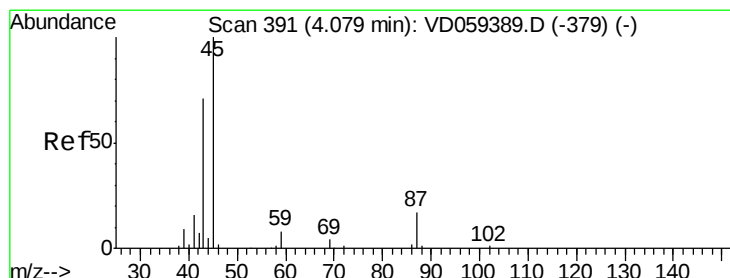
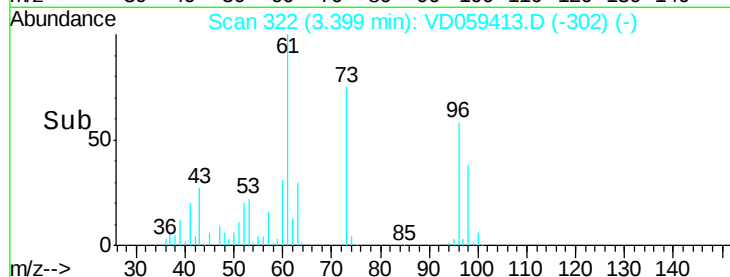
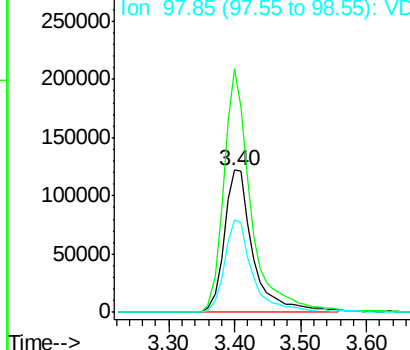
96 100

61 171.2 131.0 196.4

98 64.7 56.8 85.2



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



#22

Diisopropyl ether

Concen: 46.55 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Tgt Ion: 45 Resp: 1422321

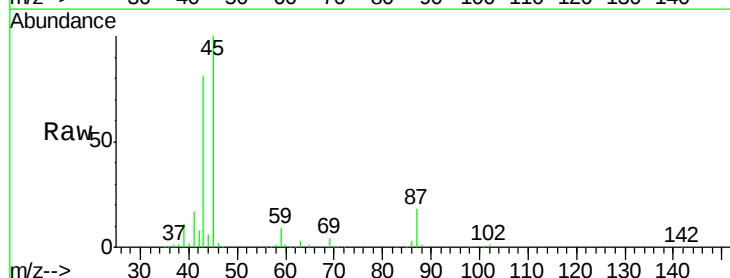
Ion Ratio Lower Upper

45 100

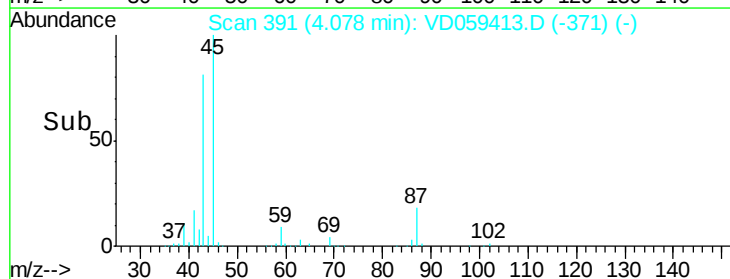
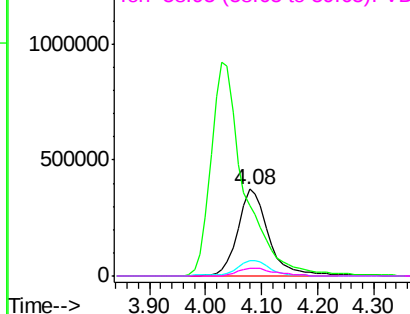
43 81.2 56.9 85.3

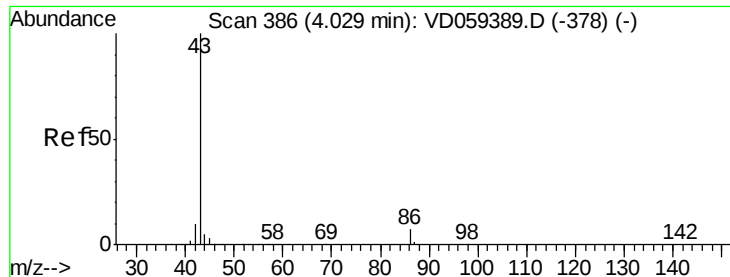
87 17.8 14.2 21.4

59 9.0 7.0 10.4



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

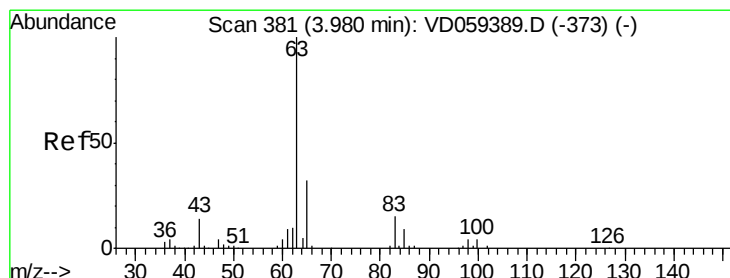
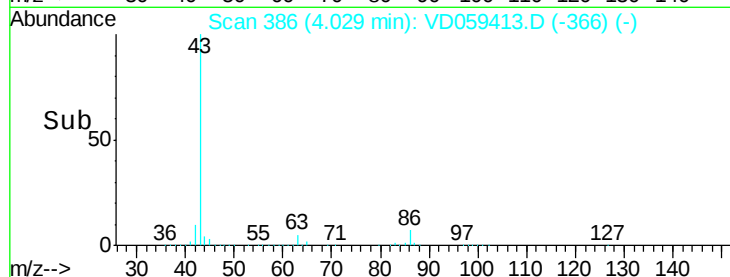
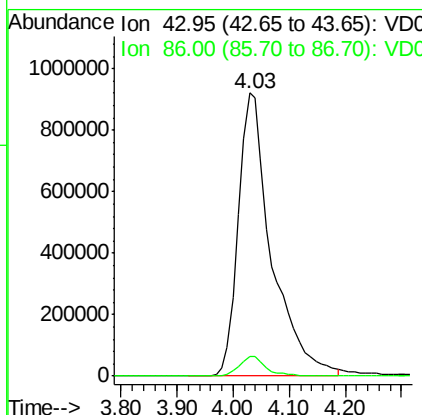
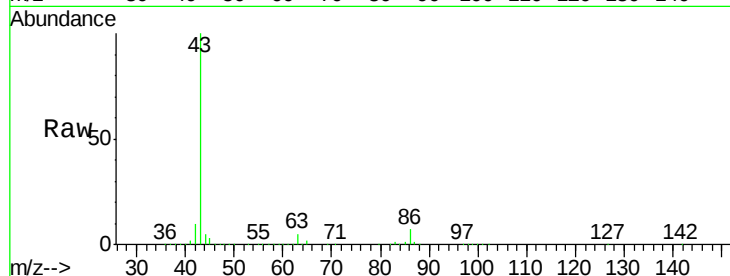




#23
 Vinyl Acetate
 Concen: 237.38 ug/l
 RT: 4.03 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

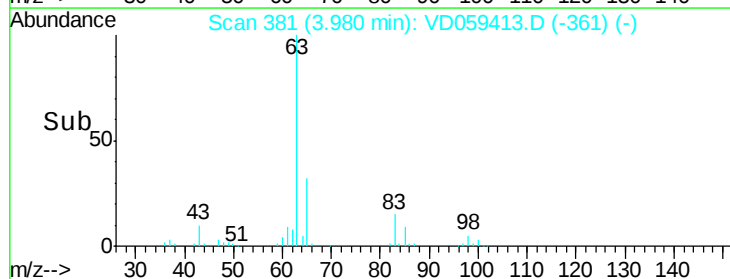
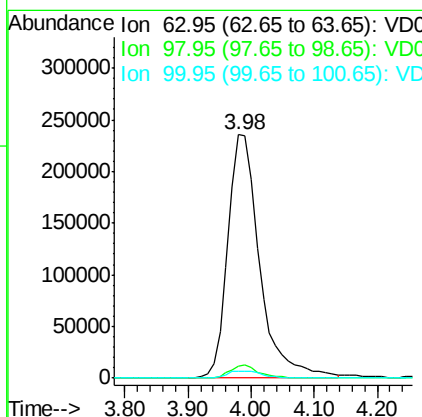
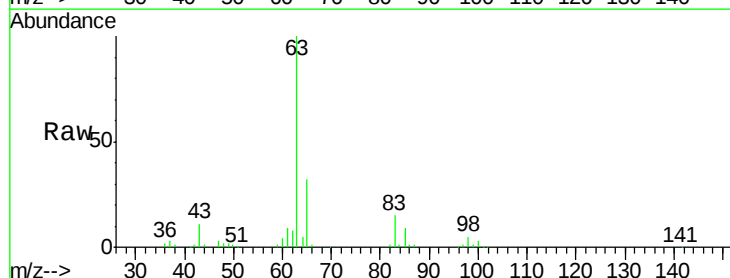
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

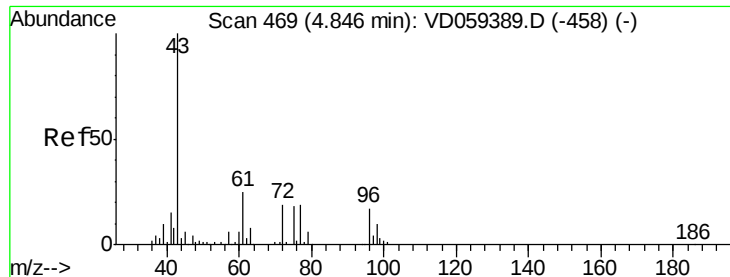
Tot Ion: 43 Resp: 3778549
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.2 7.8



#24
 1,1-Dichloroethane
 Concen: 47.01 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion: 63 Resp: 821879
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.1 6.5
 100 3.0 1.8 5.5





#25

2-Butanone

Concen: 213.54 ug/l

RT: 4.85 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

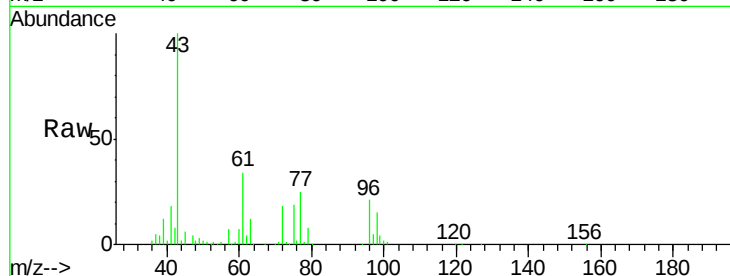
VSTDCCC050EC

Tot Ion: 43 Resp: 621579

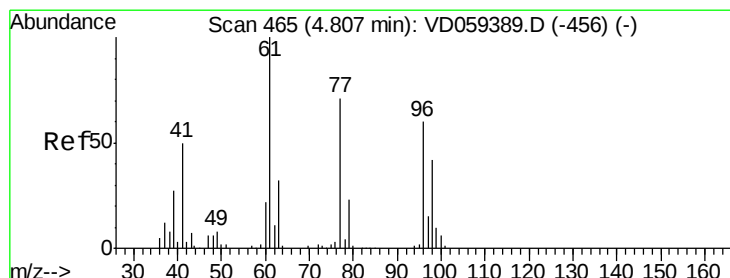
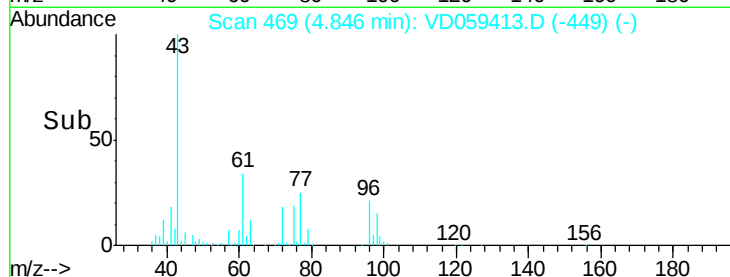
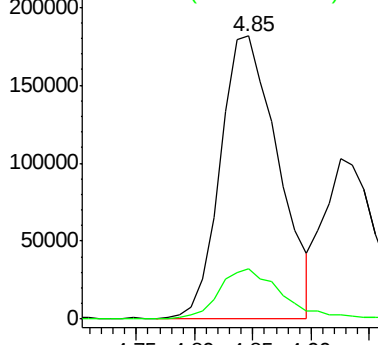
Ion Ratio Lower Upper

43 100

72 17.9 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.49 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059413.D

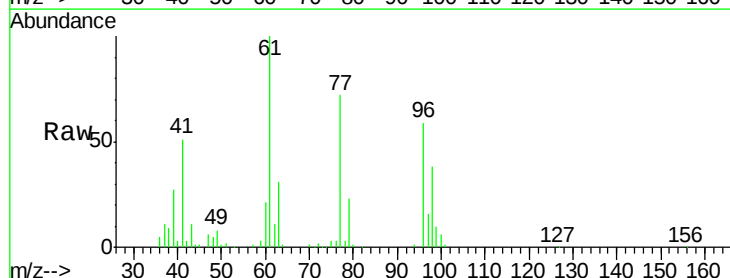
Acq: 26 Jun 2018 8:02

Tgt Ion: 77 Resp: 630294

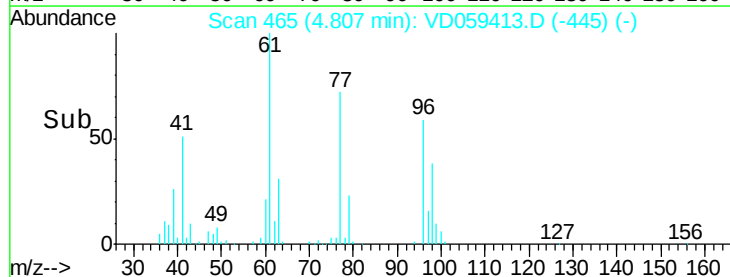
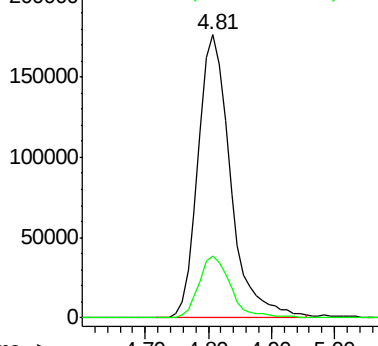
Ion Ratio Lower Upper

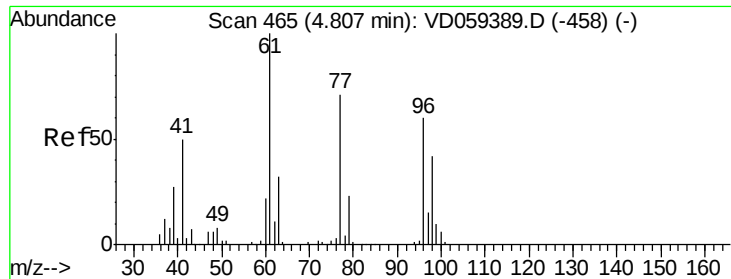
77 100

97 22.0 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 44.63 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

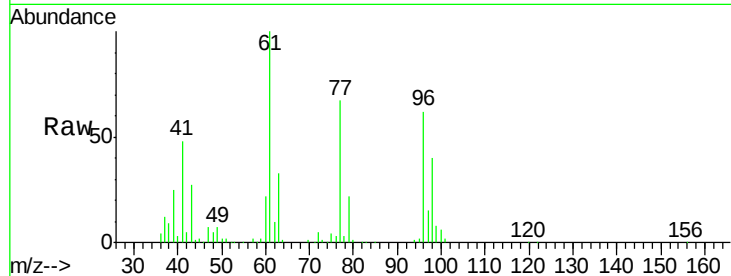
Tot Ion: 96 Resp: 470477

Ion Ratio Lower Upper

96 100

61 160.8 0.0 335.8

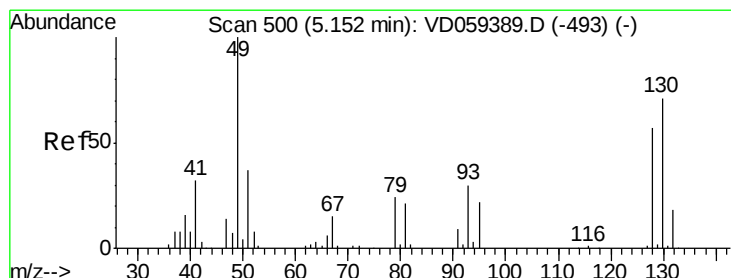
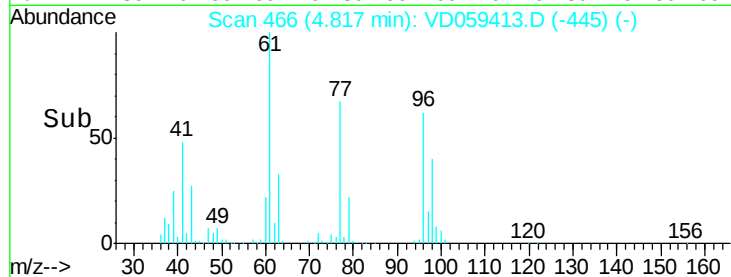
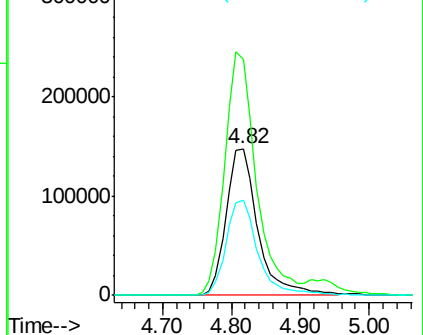
98 65.0 0.0 141.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 48.83 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

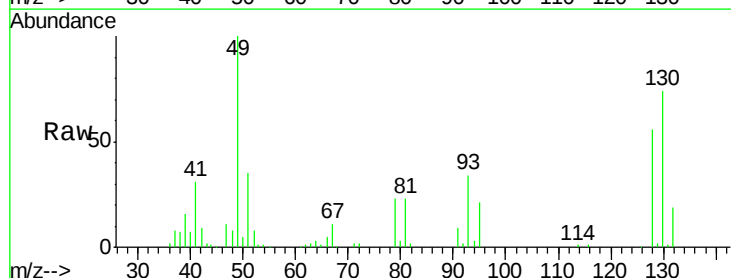
Tgt Ion: 49 Resp: 370049

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

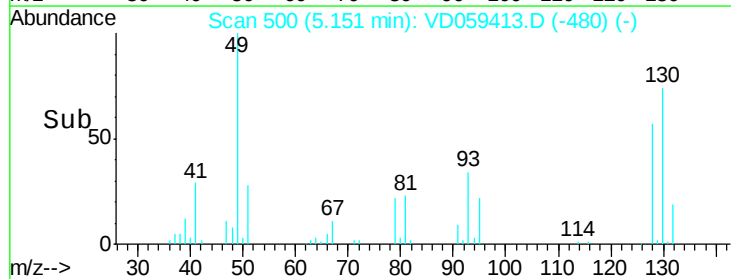
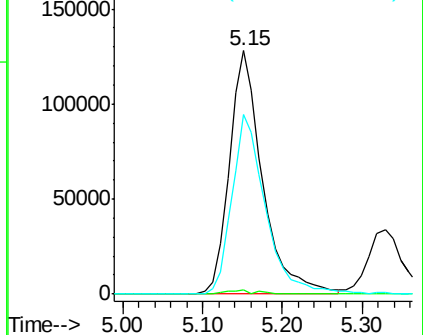
130 74.0 57.0 85.6

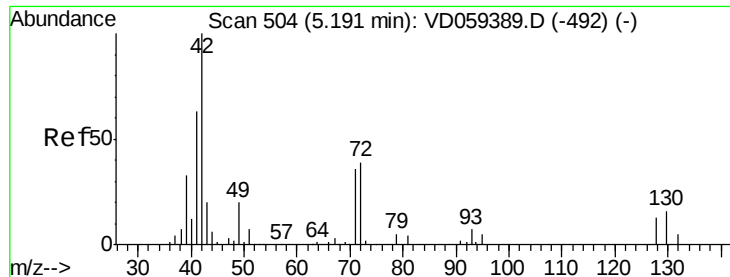


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 221.22 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

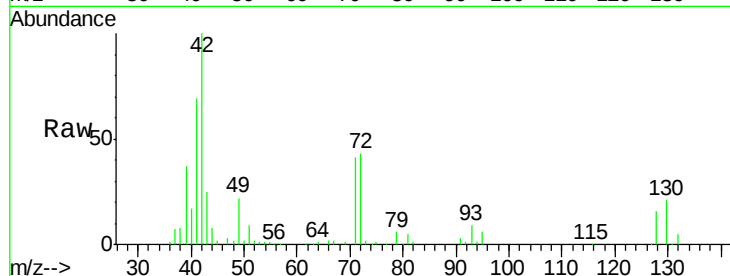
Tot Ion: 42 Resp: 352231

Ion Ratio Lower Upper

42 100

72 39.8 31.4 47.2

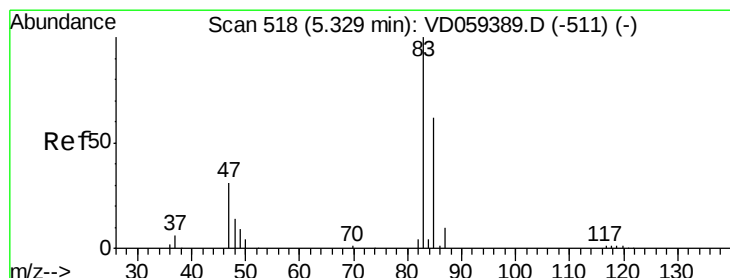
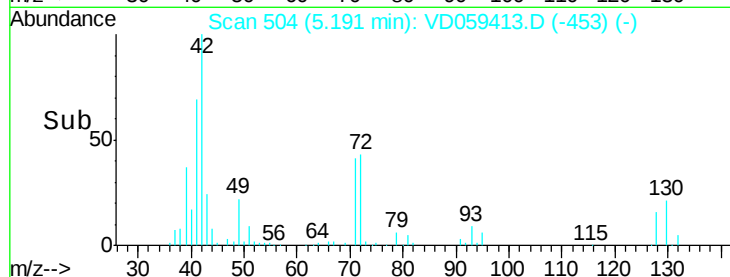
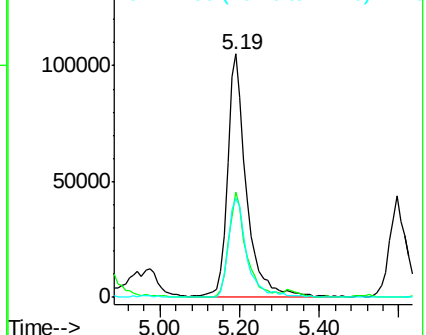
71 39.8 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.79 ug/l

RT: 5.33 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD059413.D

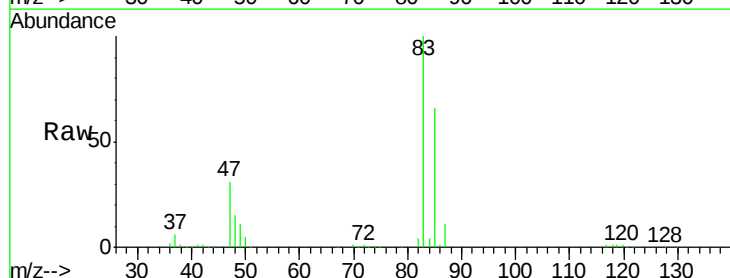
Acq: 26 Jun 2018 8:02

Tgt Ion: 83 Resp: 948753

Ion Ratio Lower Upper

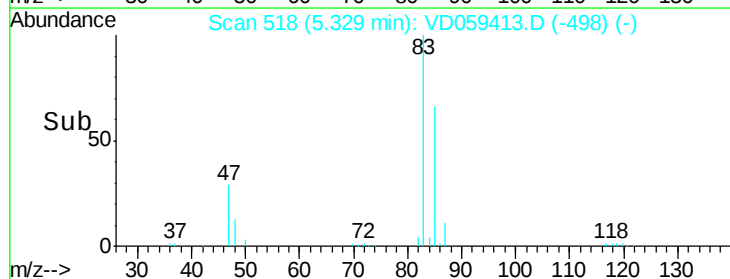
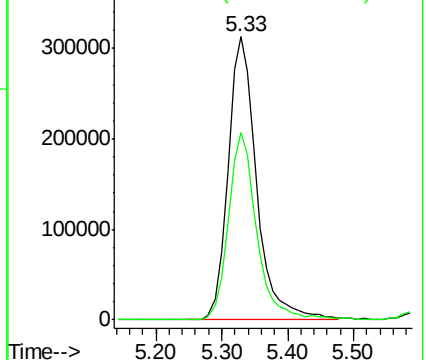
83 100

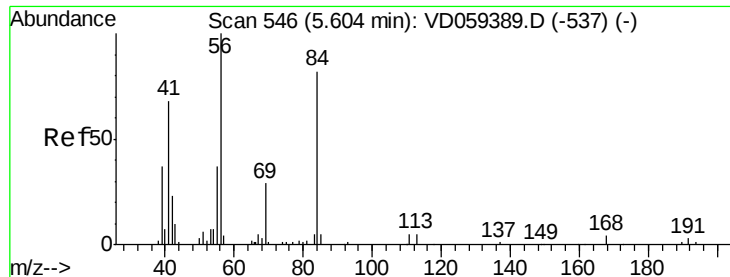
85 66.1 49.3 73.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

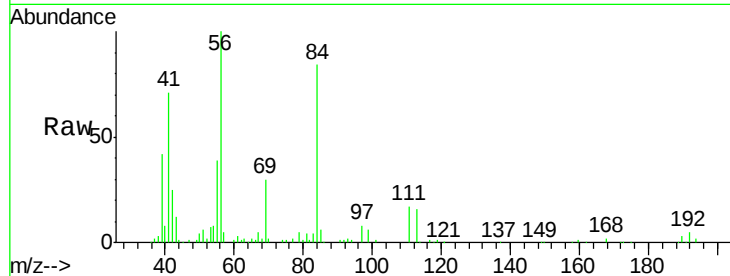




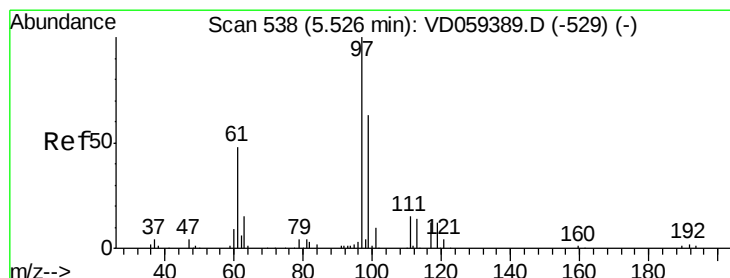
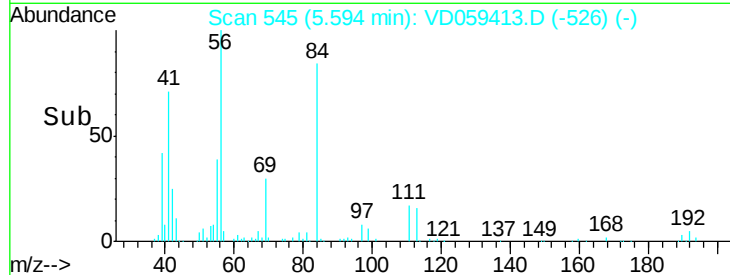
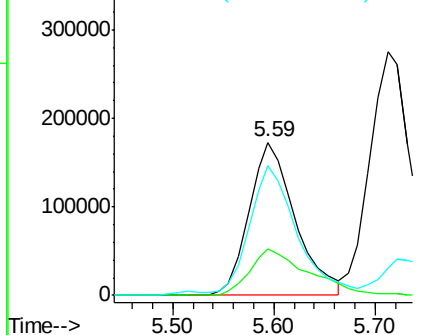
#31
Cyclohexane
Concen: 47.25 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	547585
Ion Ratio	Lower	Upper	
56	100		
69	30.3	22.9	34.3
84	84.3	67.3	100.9

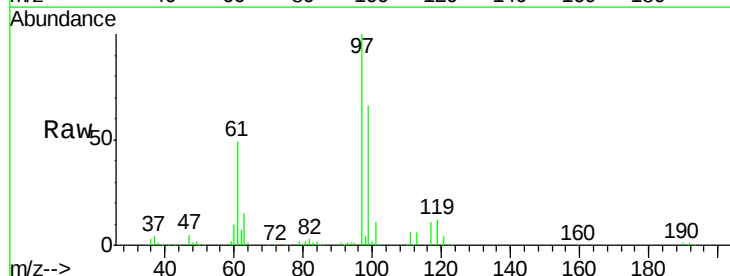


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

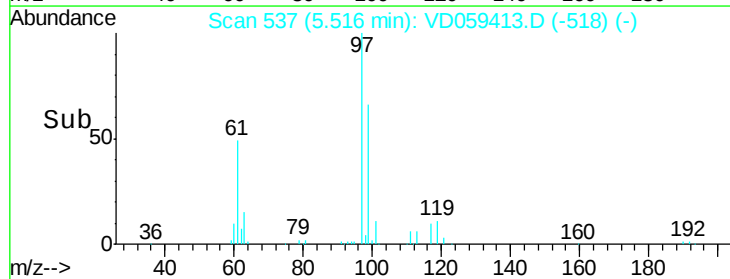
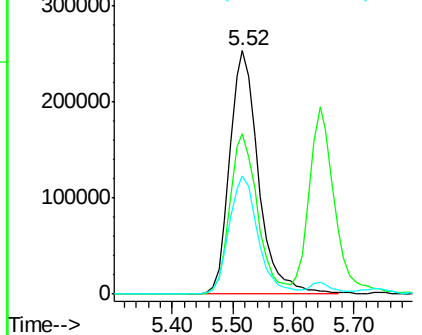


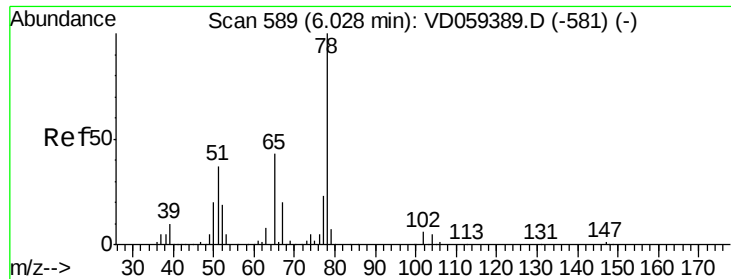
#32
1,1,1-Trichloroethane
Concen: 54.25 ug/l
RT: 5.52 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion	97	Resp	837042
Ion Ratio	Lower	Upper	
97	100		
99	65.7	50.2	75.4
61	48.6	38.6	57.8



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





#33

1,2-Dichloroethane-d4

Concen: 54.25 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

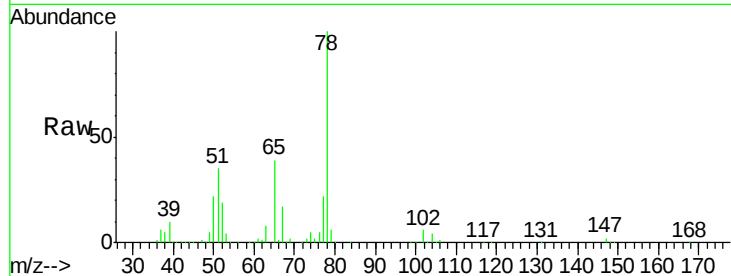
VSTDCCC050EC

Tot Ion: 65 Resp: 512915

Ion Ratio Lower Upper

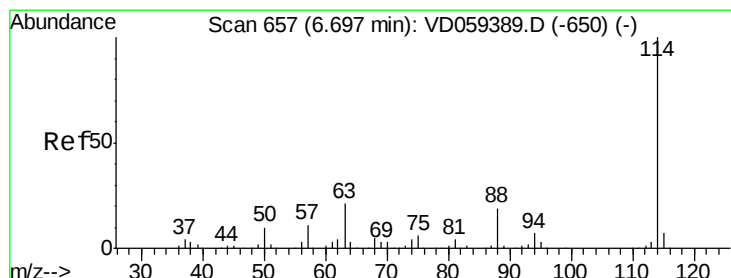
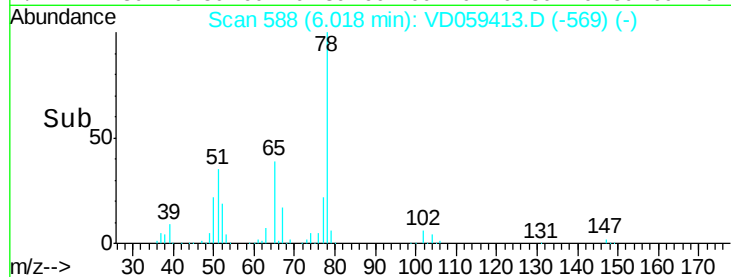
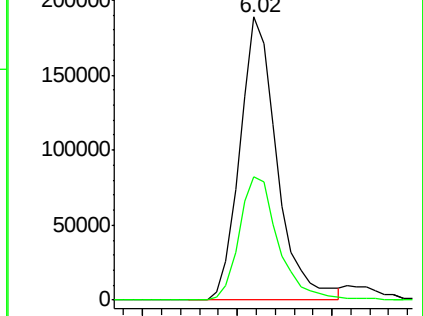
65 100

67 43.4 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

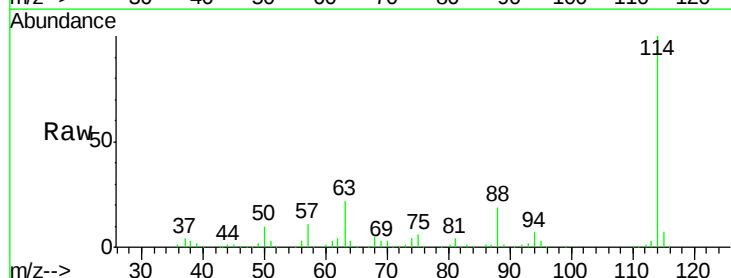
Tgt Ion: 114 Resp: 1397076

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

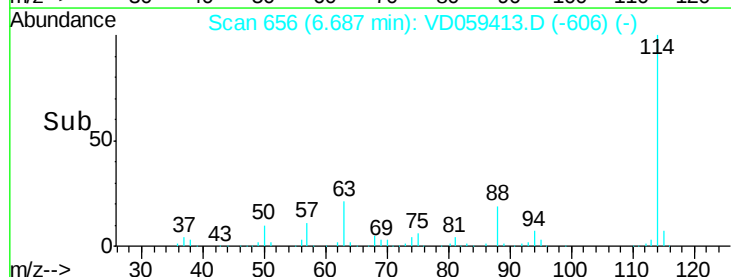
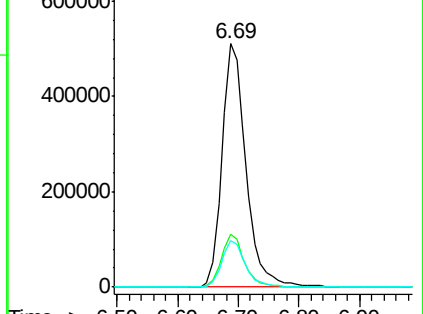
88 19.1 0.0 38.0

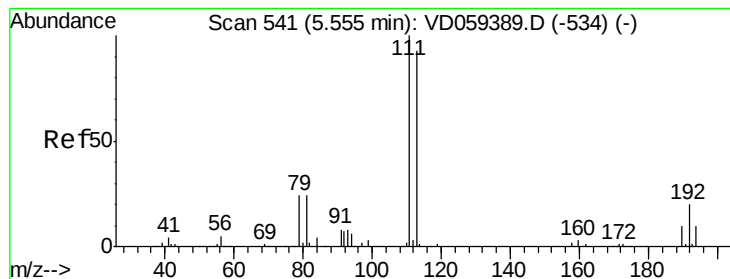


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

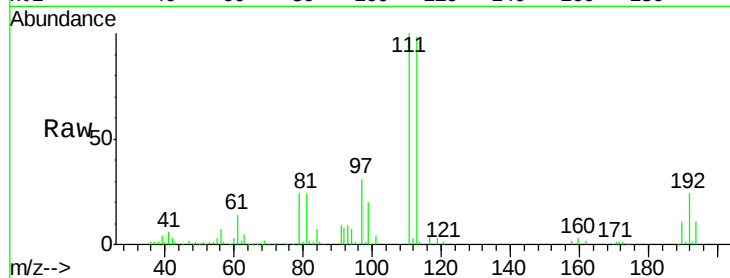
Tot Ion:113 Resp: 531355

Ion Ratio Lower Upper

113 100

111 102.0 85.7 128.5

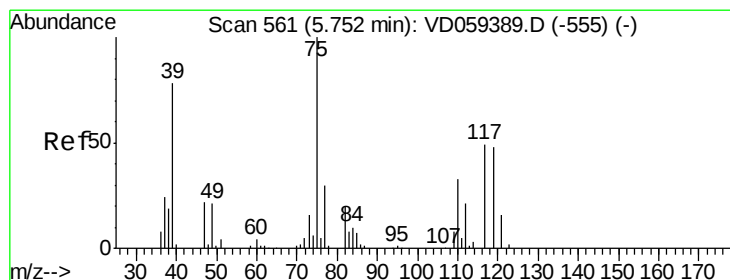
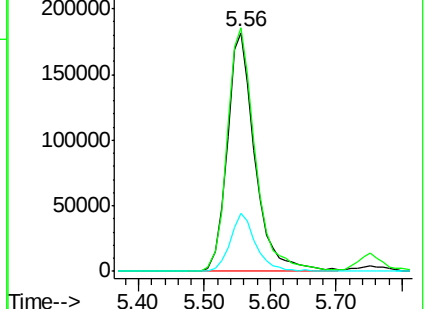
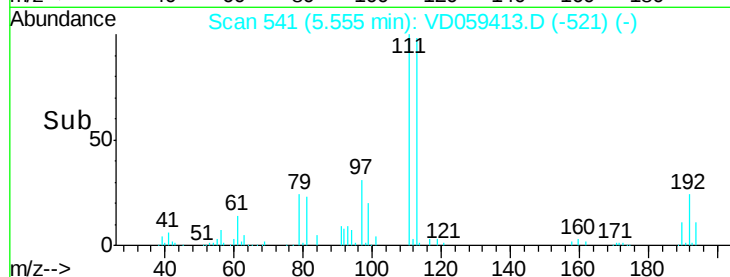
192 24.1 16.9 25.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.24 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

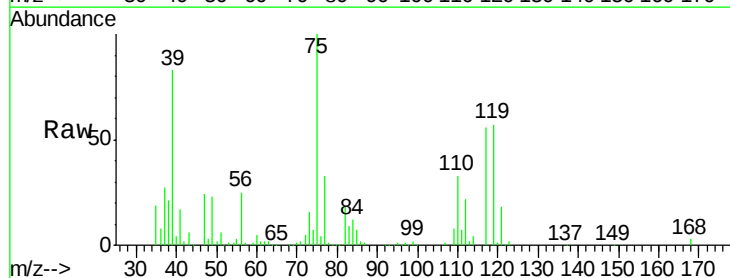
Tgt Ion: 75 Resp: 586008

Ion Ratio Lower Upper

75 100

110 32.7 16.1 48.2

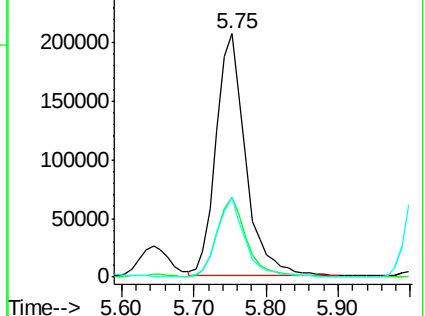
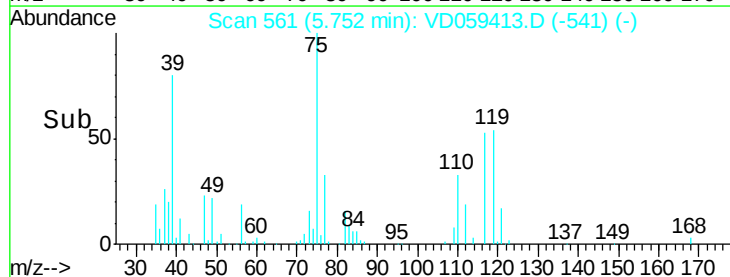
77 32.7 23.4 35.2

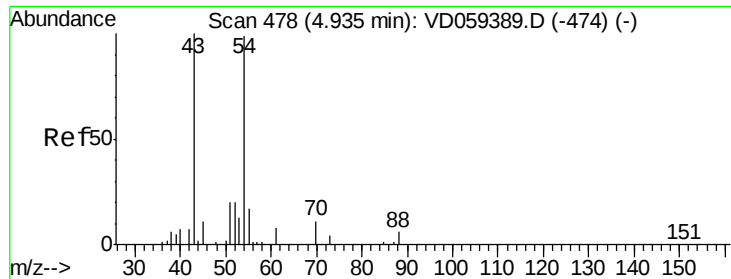


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

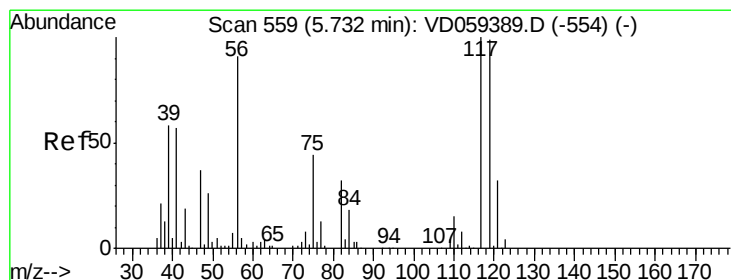
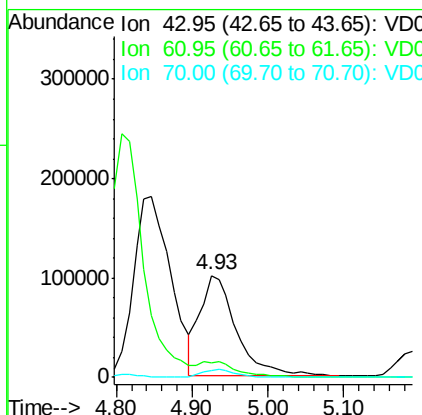
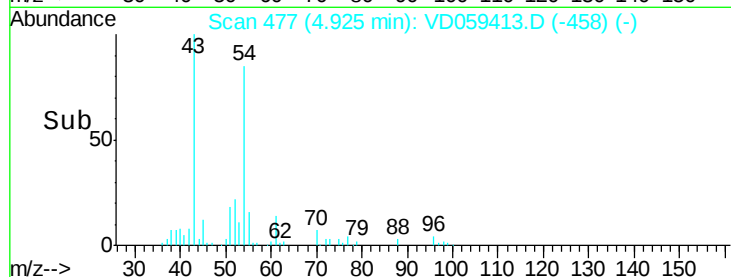
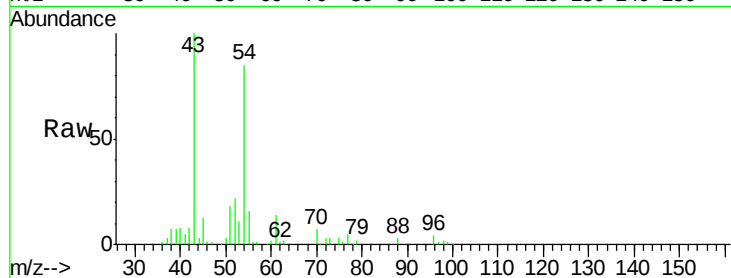




#37
Ethyl Acetate
Concen: 43.72 ug/l
RT: 4.93 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

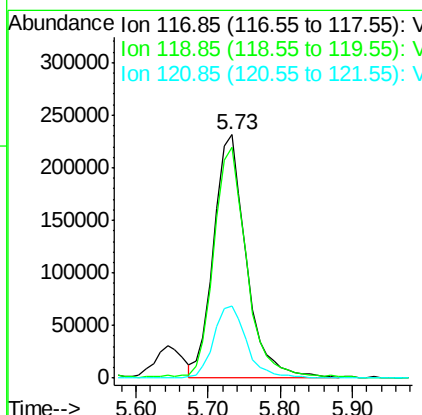
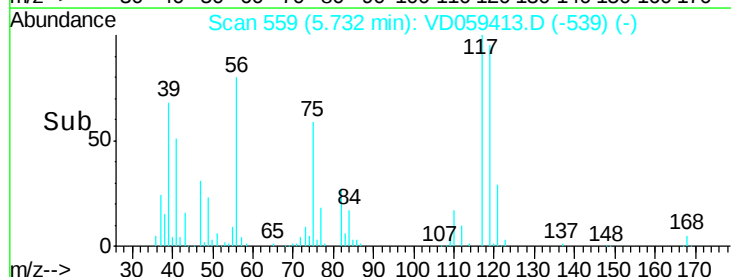
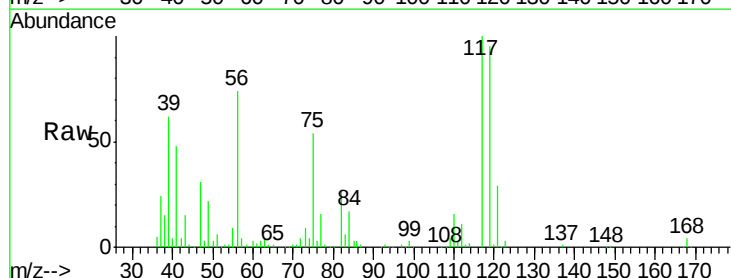
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

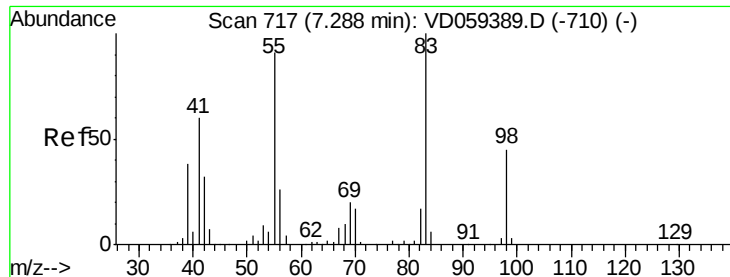
Tot Ion: 43 Resp: 337395
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.8
70 7.1 6.1 9.1



#38
Carbon Tetrachloride
Concen: 54.55 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 117 Resp: 712775
Ion Ratio Lower Upper
117 100
119 94.9 76.6 115.0
121 29.4 25.0 37.4

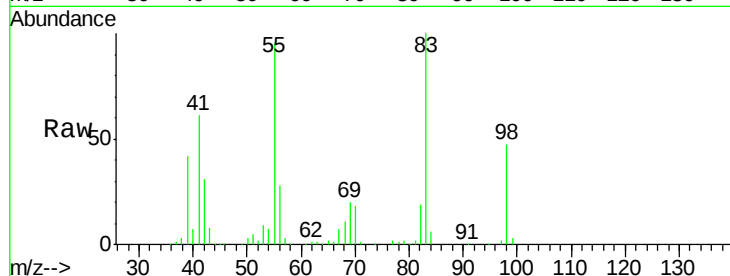




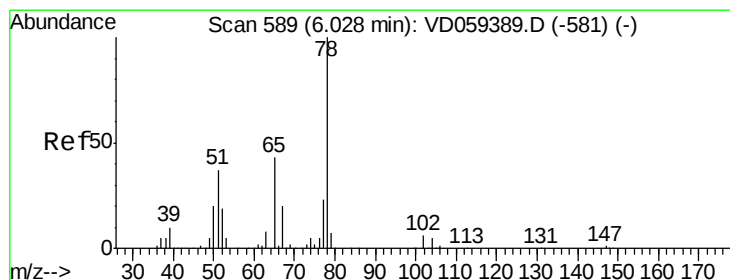
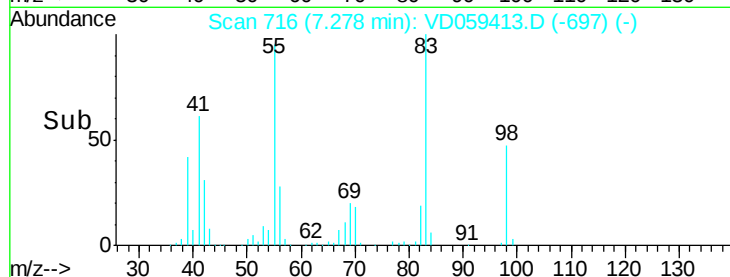
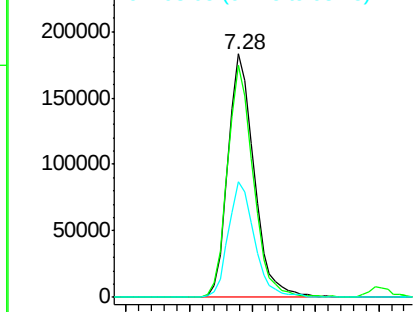
#39
Methvlcvclohexane
Concen: 43.67 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 524963
Ion Ratio Lower Upper
83 100
55 95.1 72.6 109.0
98 47.2 35.8 53.6

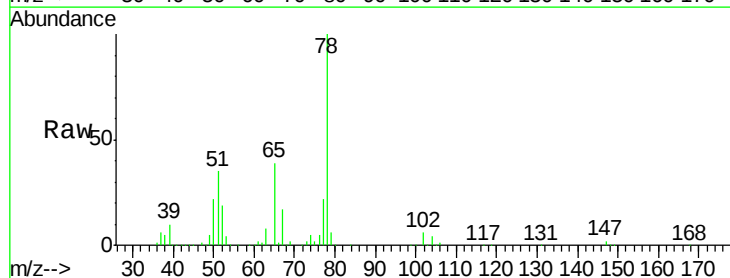


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

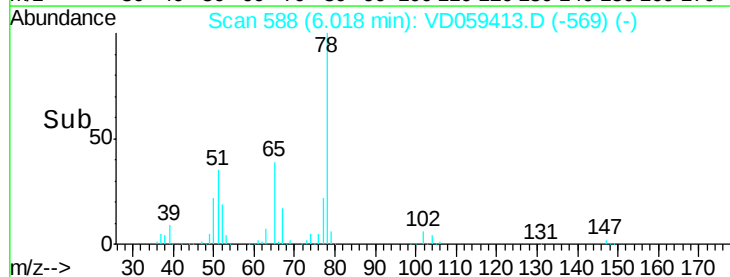
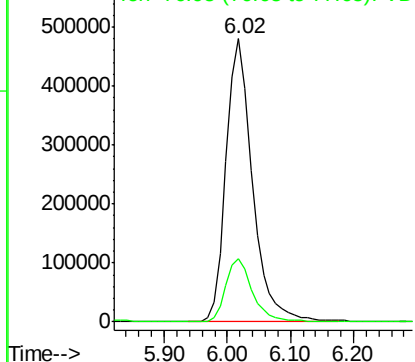


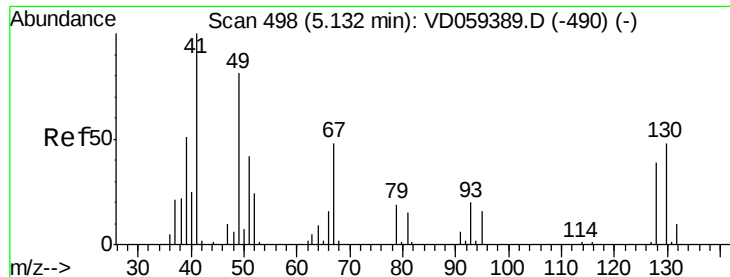
#40
Benzene
Concen: 45.90 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 78 Resp: 1395931
Ion Ratio Lower Upper
78 100
77 22.1 18.1 27.1



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





#41

Methacrylonitrile

Concen: 46.14 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 171518

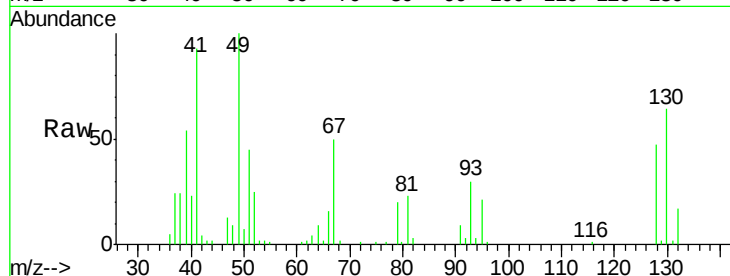
Ion Ratio Lower Upper

41 100

39 57.7 41.5 62.3

67 53.9 38.7 58.1

52 26.9 19.4 29.2

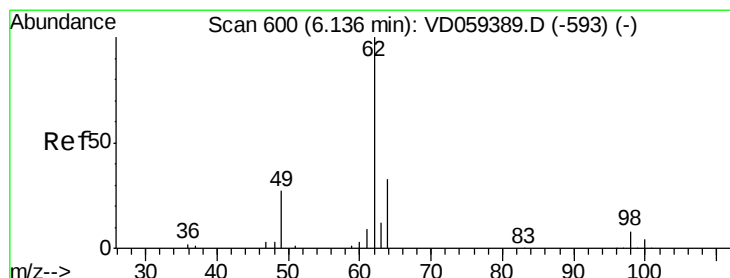
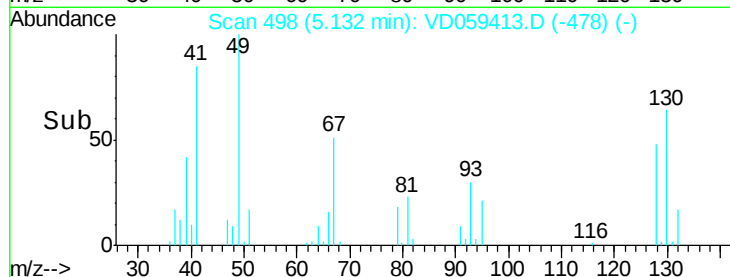
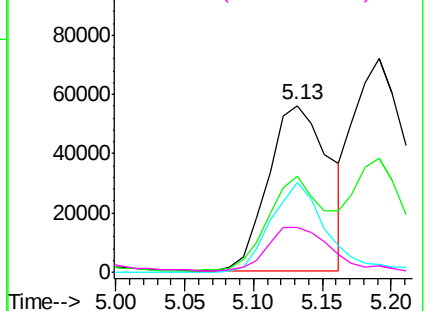


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.00 ug/l

RT: 6.13 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD059413.D

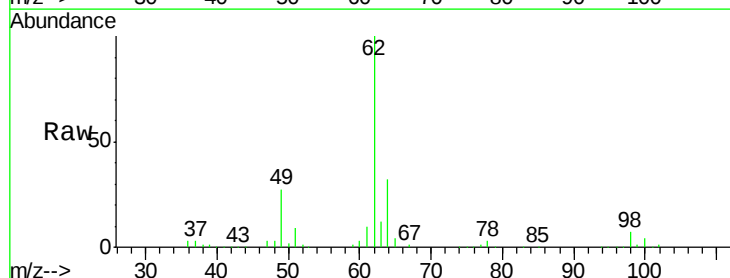
Acq: 26 Jun 2018 8:02

Tgt Ion: 62 Resp: 685291

Ion Ratio Lower Upper

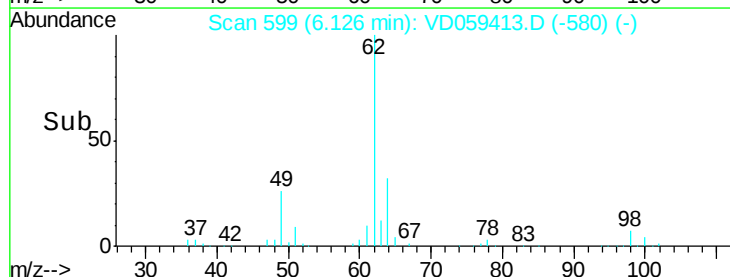
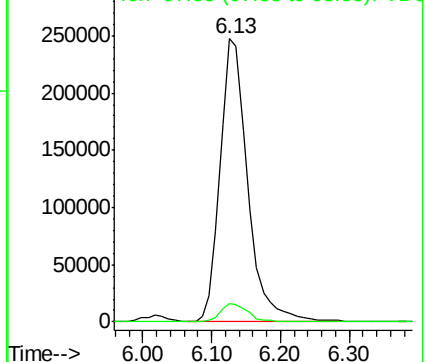
62 100

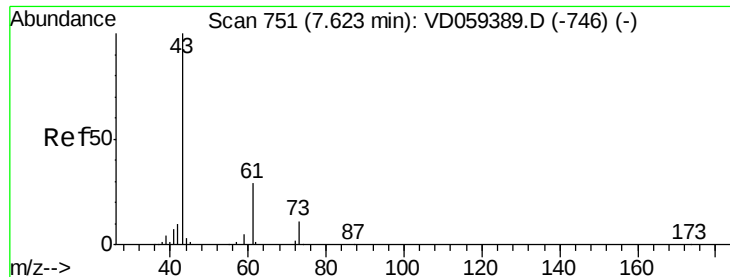
98 6.7 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 46.23 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

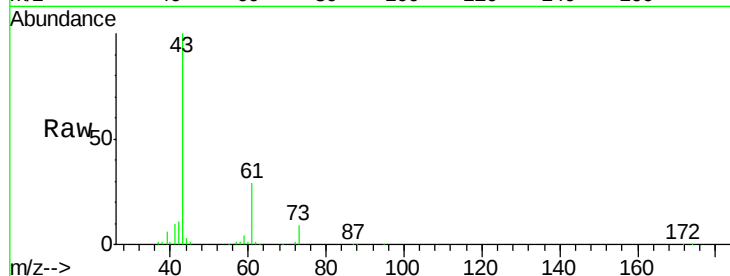
Tot Ion: 43 Resp: 448039

Ion Ratio Lower Upper

43 100

61 29.0 23.1 34.7

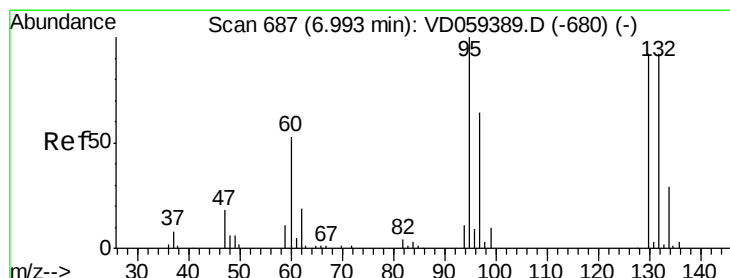
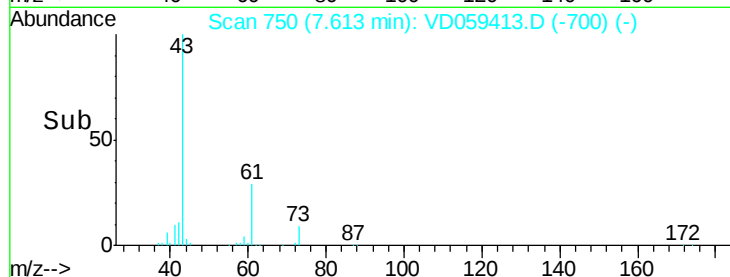
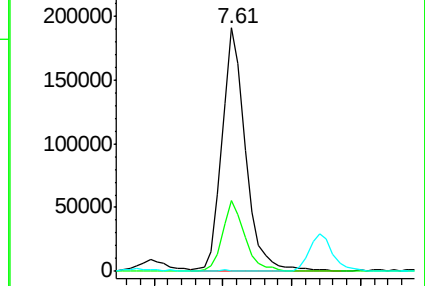
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.60 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059413.D

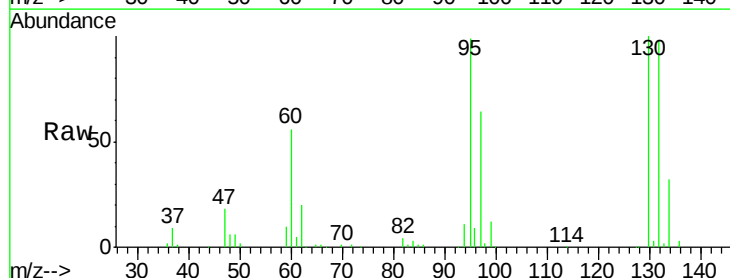
Acq: 26 Jun 2018 8:02

Tgt Ion: 130 Resp: 464046

Ion Ratio Lower Upper

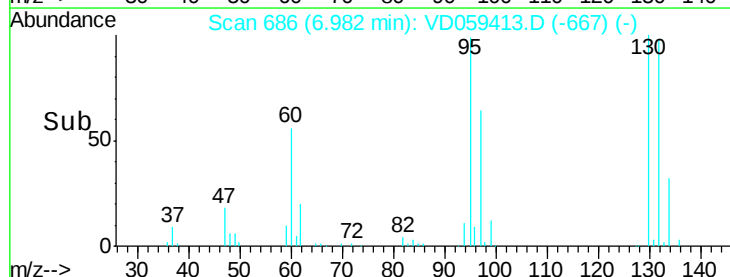
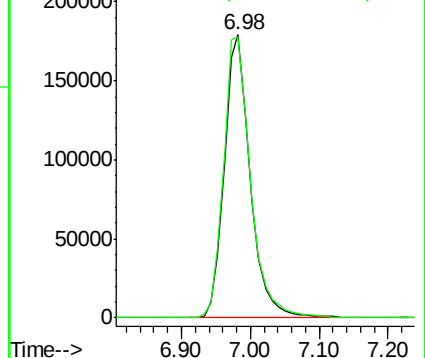
130 100

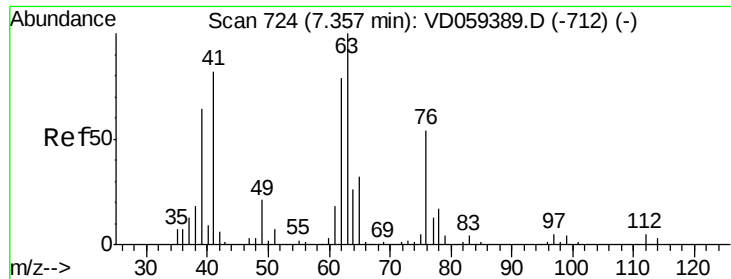
95 99.2 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.39 ug/l

RT: 7.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

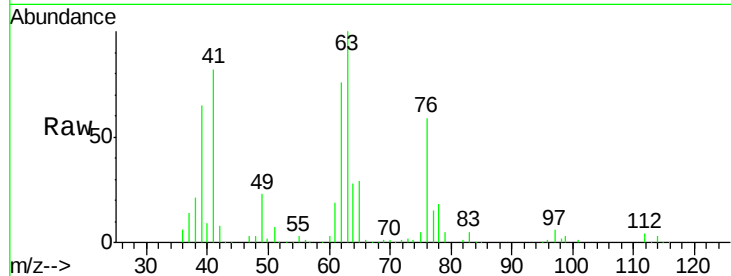
VSTDCCC050EC

Tot Ion: 63 Resp: 399146

Ion Ratio Lower Upper

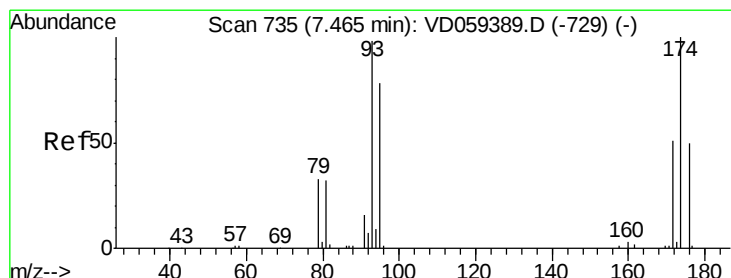
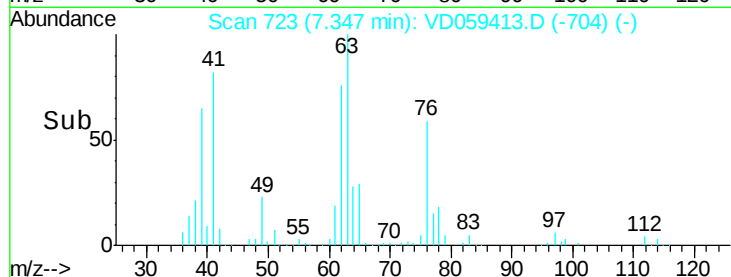
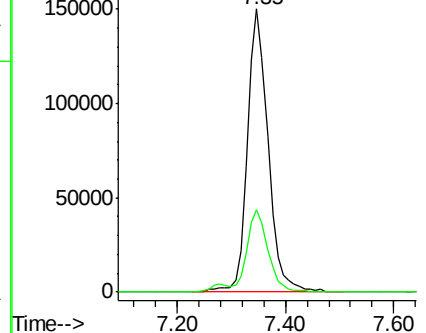
63 100

65 29.0 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.04 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

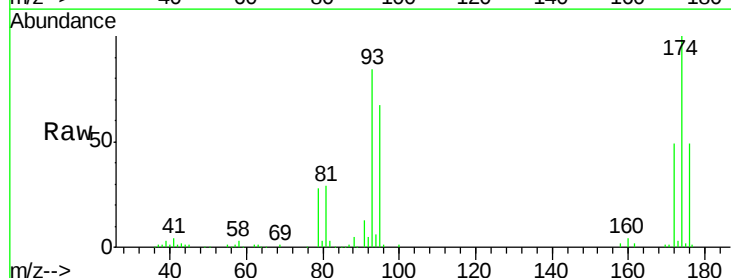
Tgt Ion: 93 Resp: 303148

Ion Ratio Lower Upper

93 100

95 78.9 63.4 95.0

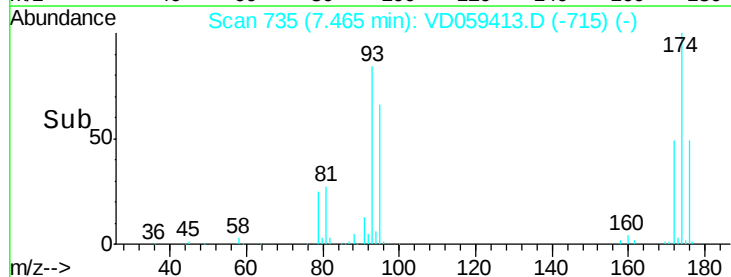
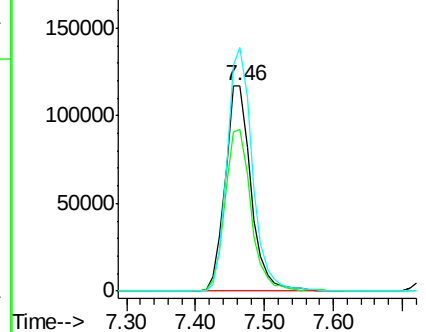
174 118.4 81.4 122.2

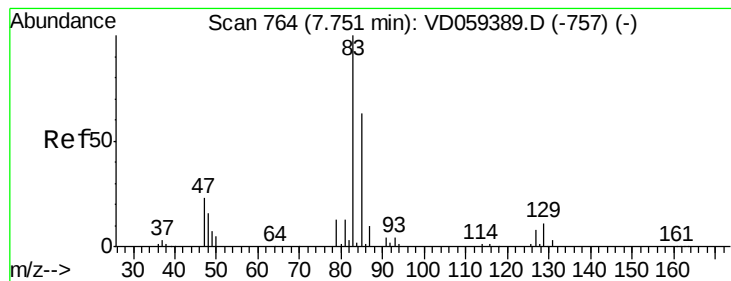


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.44 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

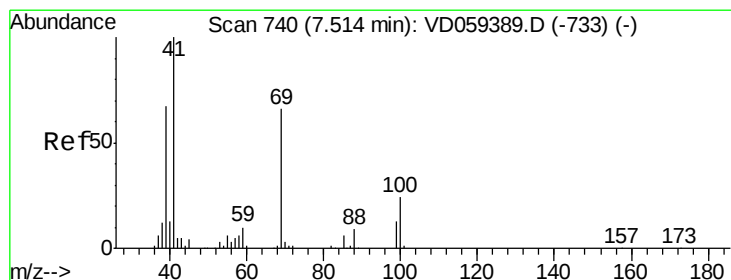
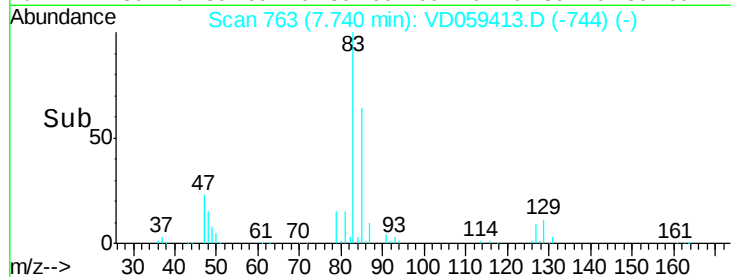
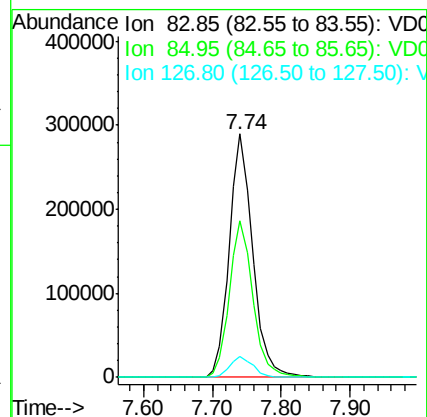
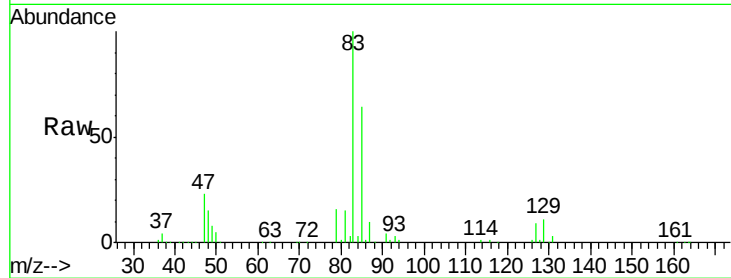
Tot Ion: 83 Resp: 683648

Ion Ratio Lower Upper

83 100

85 64.5 50.1 75.1

127 8.8 6.1 9.1



#48

Methyl methacrylate

Concen: 48.47 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

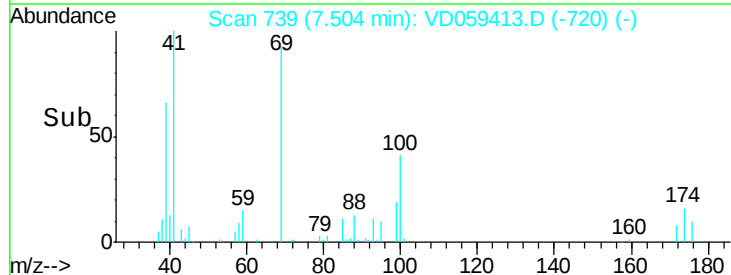
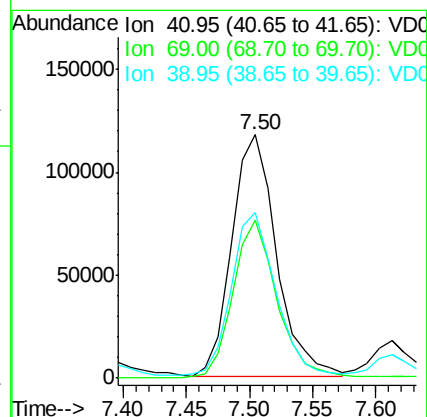
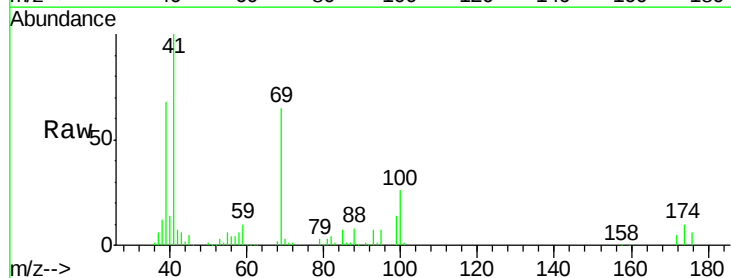
Tgt Ion: 41 Resp: 286220

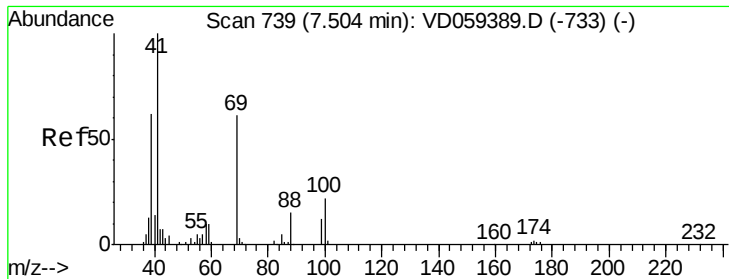
Ion Ratio Lower Upper

41 100

69 64.6 52.6 79.0

39 67.9 53.6 80.4





#49

1,4-Dioxane

Concen: 889.11 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

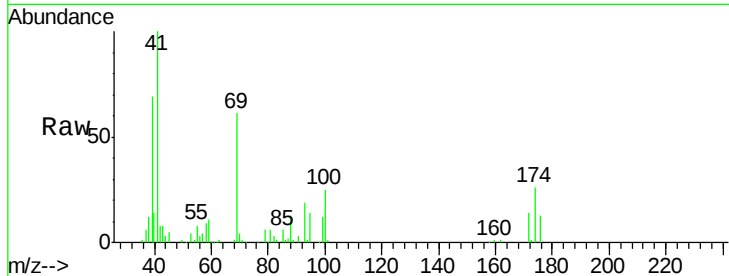
Tot Ion: 88 Resp: 52655

Ion Ratio Lower Upper

88 100

43 66.9 41.0 61.4#

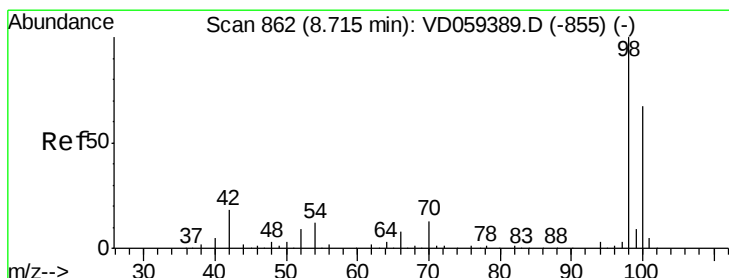
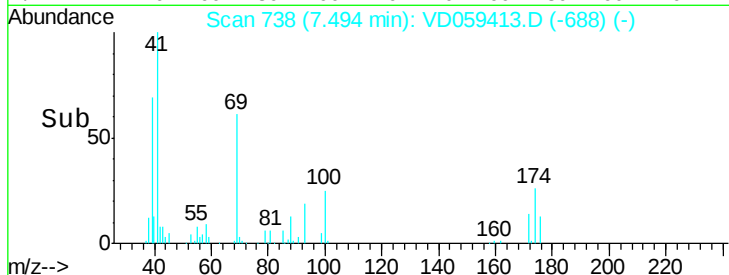
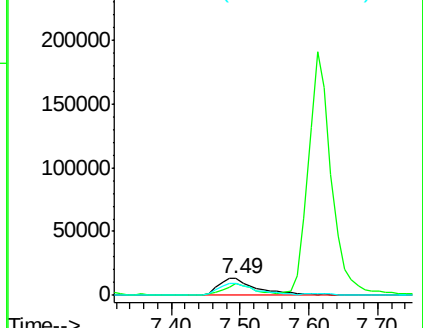
58 70.4 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 889.11 ug/l

RT: 8.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059413.D

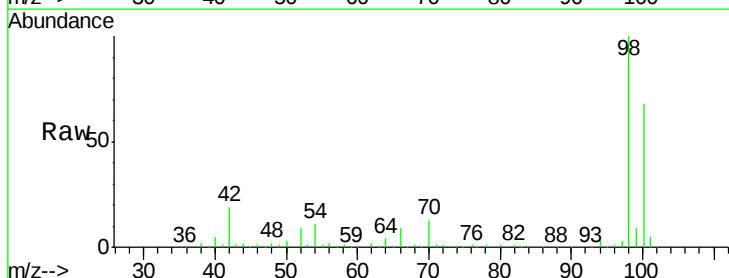
Acq: 26 Jun 2018 8:02

Tgt Ion: 98 Resp: 1140815

Ion Ratio Lower Upper

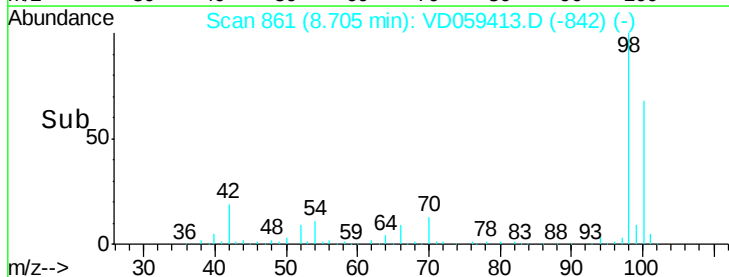
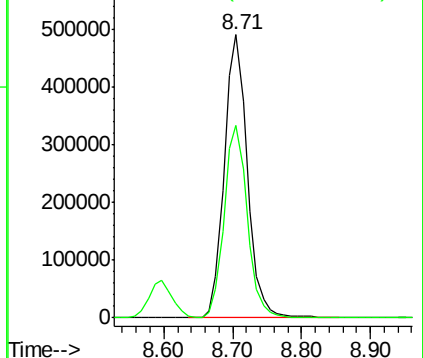
98 100

100 68.2 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 224.18 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

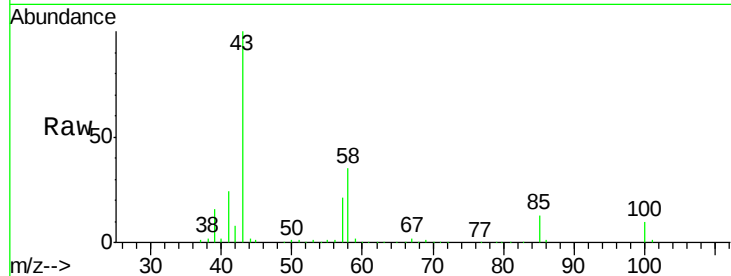
VSTDCCC050EC

Tot Ion: 43 Resp: 1447893

Ion Ratio Lower Upper

43 100

58 34.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

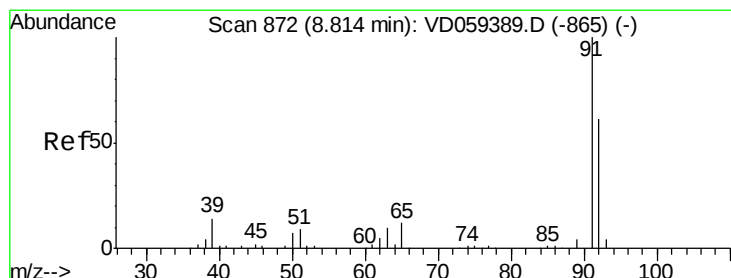
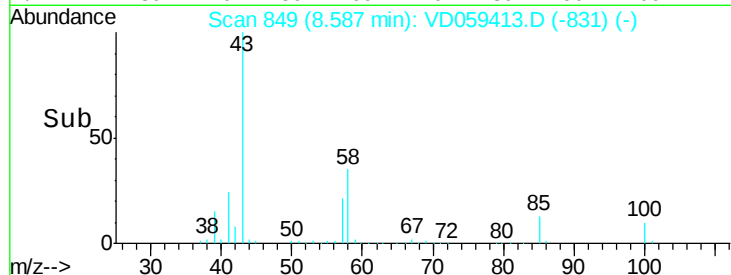
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 46.03 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD059413.D

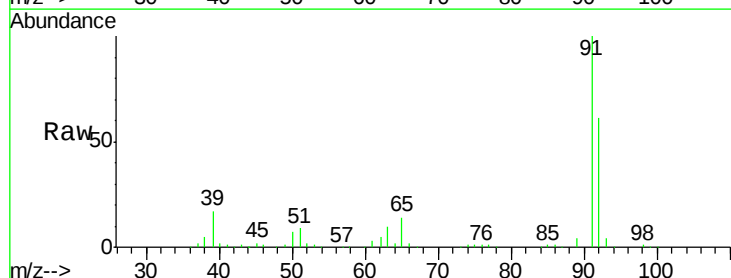
Acq: 26 Jun 2018 8:02

Tgt Ion: 92 Resp: 836164

Ion Ratio Lower Upper

92 100

91 165.2 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.79

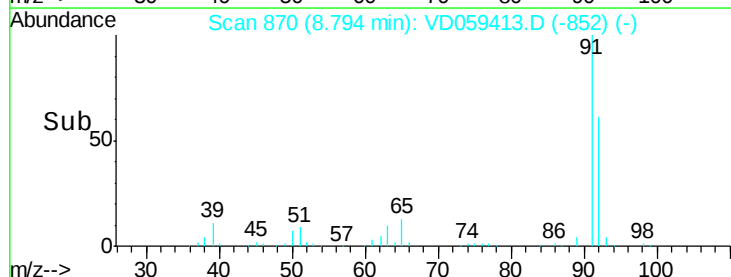
600000

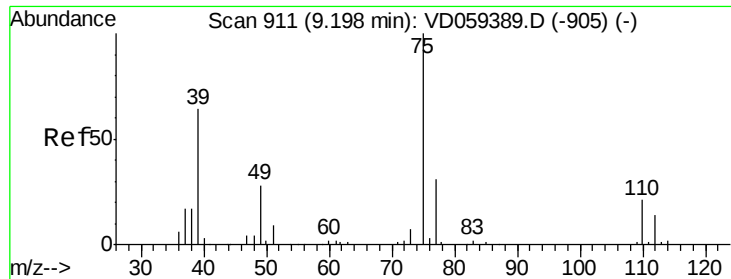
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.59 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

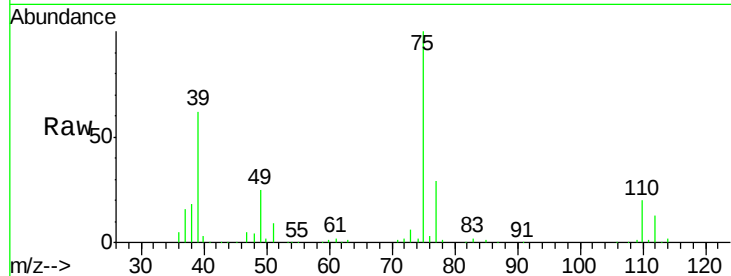
VSTDCCC050EC

Tot Ion: 75 Resp: 561747

Ion Ratio Lower Upper

75 100

77 28.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.19

250000

200000

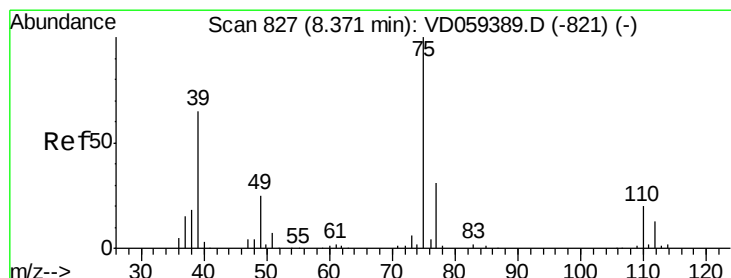
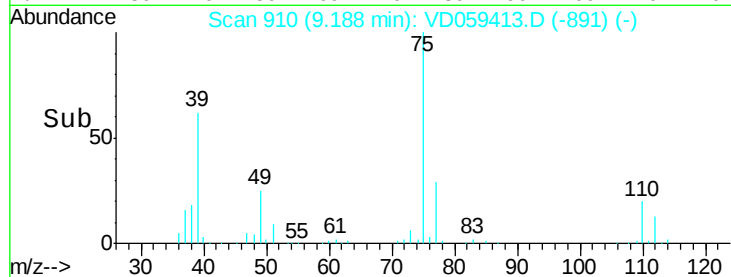
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.07 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

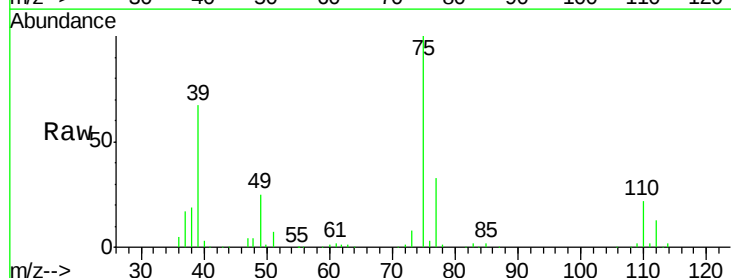
Tgt Ion: 75 Resp: 643601

Ion Ratio Lower Upper

75 100

77 32.5 24.7 37.1

39 67.5 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.36

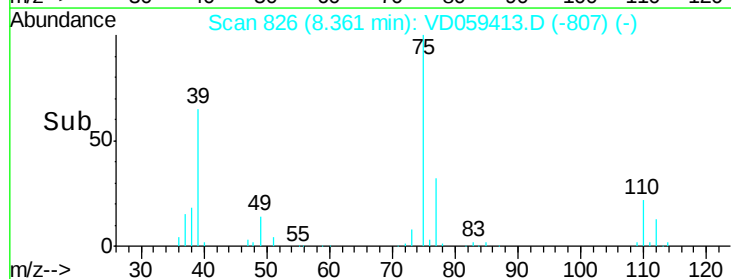
300000

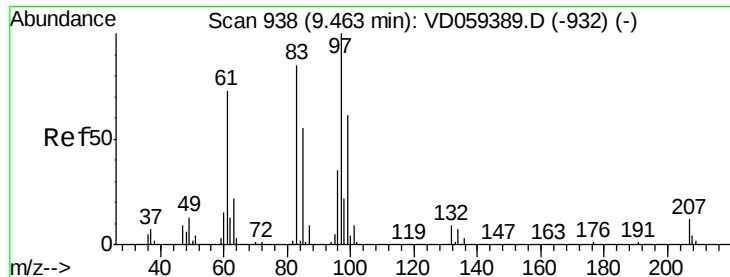
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.94 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 316131

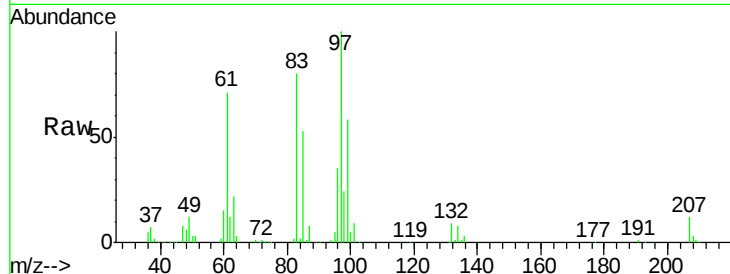
Ion Ratio Lower Upper

97 100

83 80.0 67.7 101.5

85 53.0 44.3 66.5

99 57.7 48.6 73.0

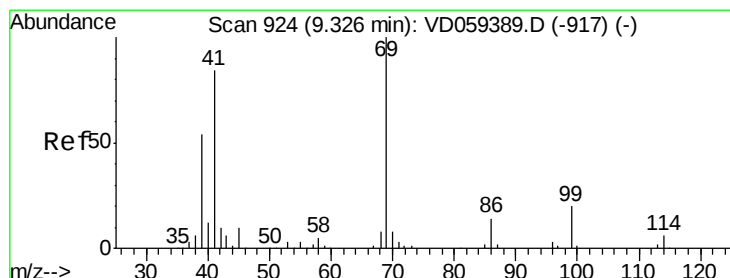
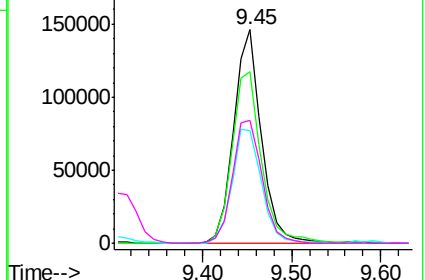
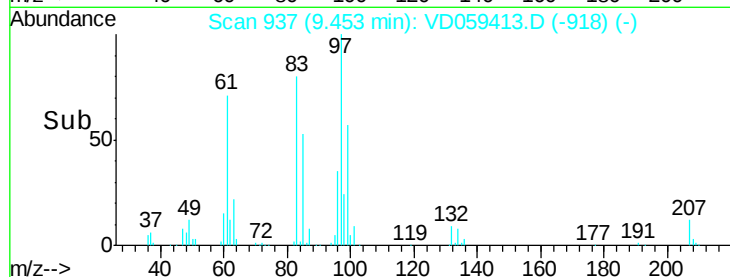


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 48.08 ug/l

RT: 9.31 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

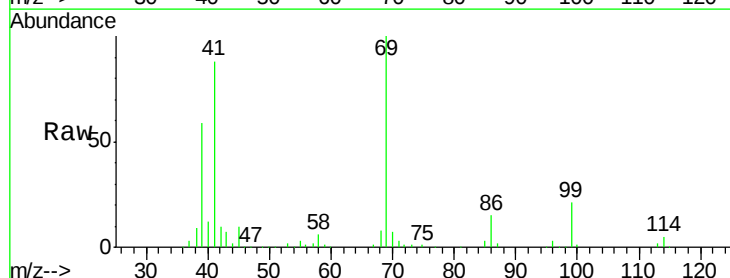
Tgt Ion: 69 Resp: 361834

Ion Ratio Lower Upper

69 100

41 87.6 67.4 101.0

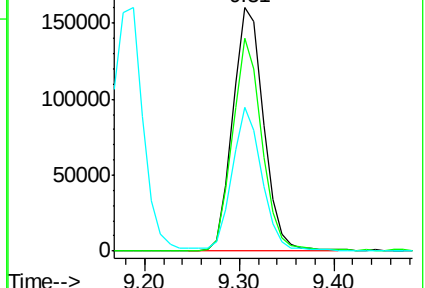
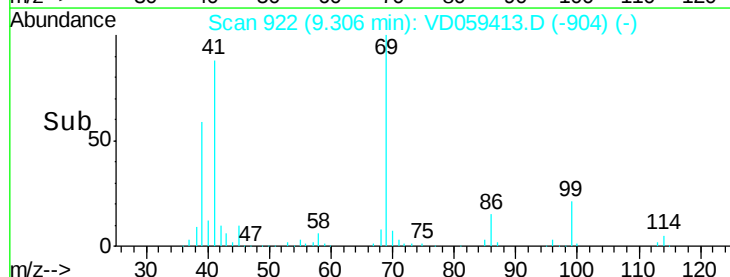
39 59.2 43.7 65.5

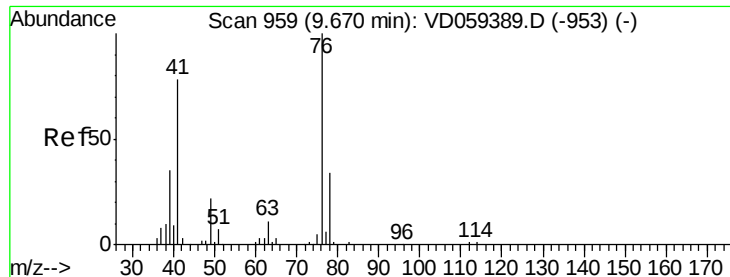


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 47.19 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

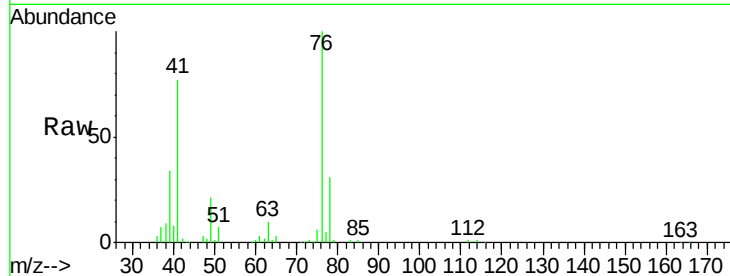
VSTDCCC050EC

Tot Ion: 76 Resp: 509013

Ion Ratio Lower Upper

76 100

78 31.1 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

250000

200000

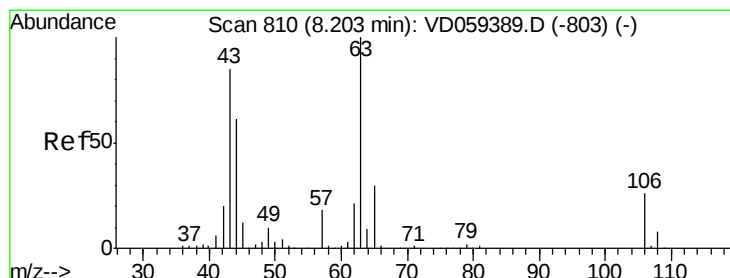
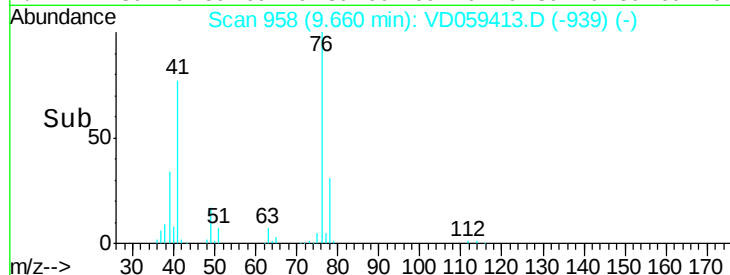
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 237.14 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD059413.D

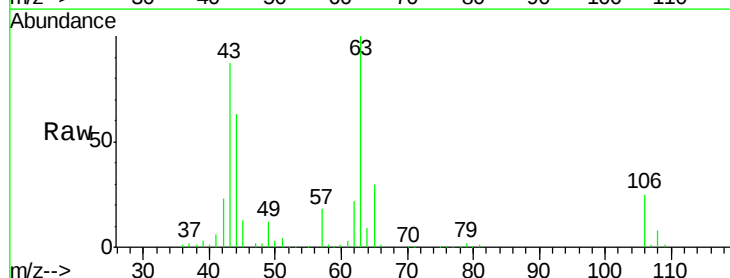
Acq: 26 Jun 2018 8:02

Tgt Ion: 63 Resp: 918636

Ion Ratio Lower Upper

63 100

106 25.0 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

400000

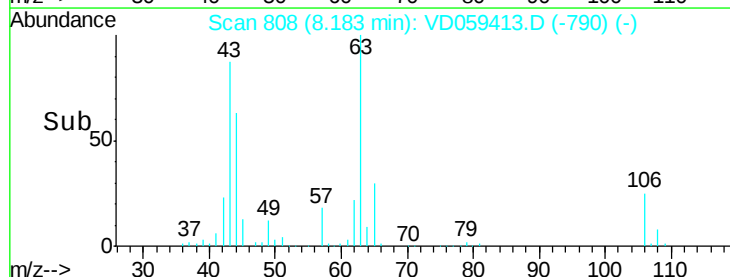
300000

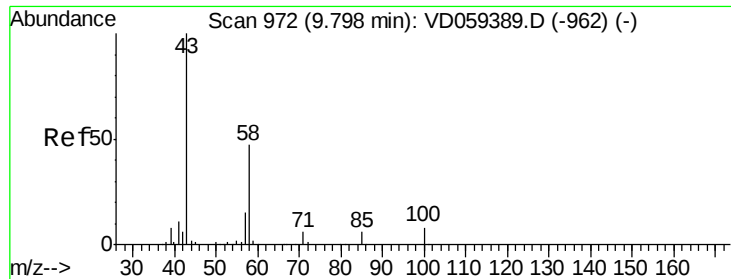
200000

100000

0

Time-->

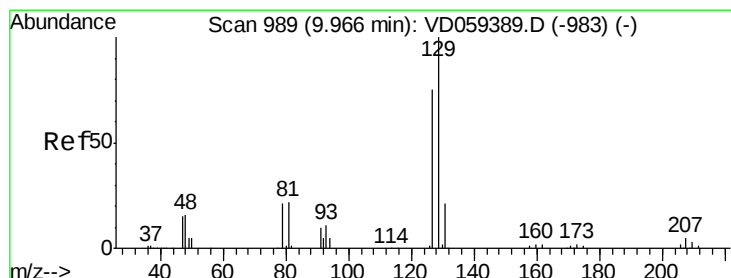
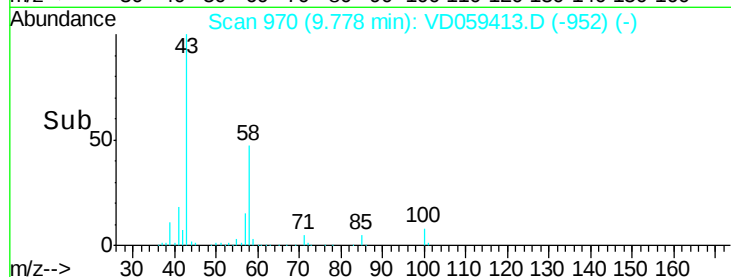
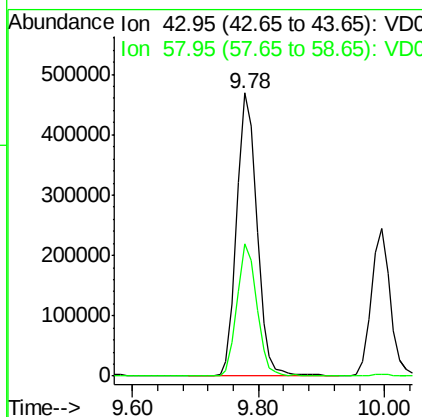
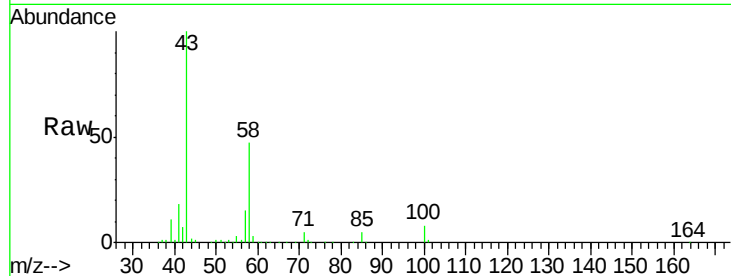




#59
2-Hexanone
Concen: 225.38 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

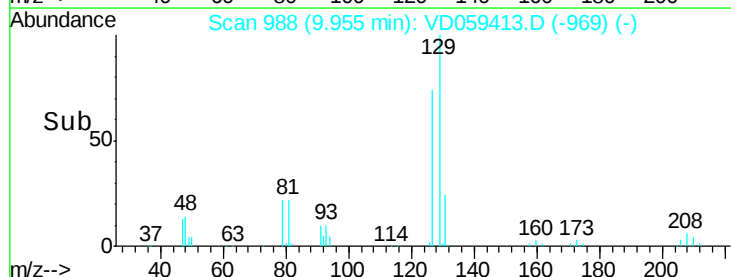
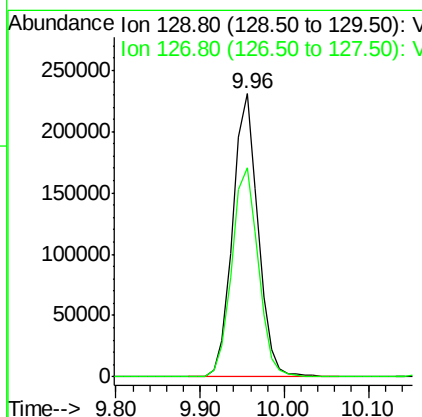
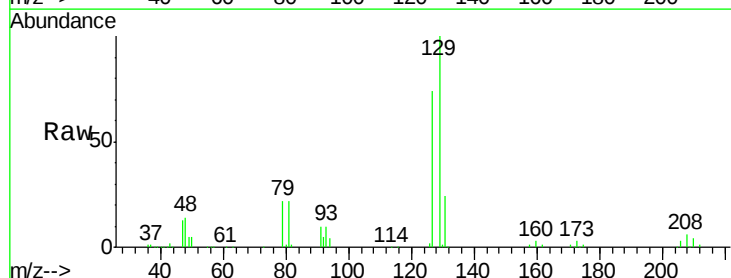
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

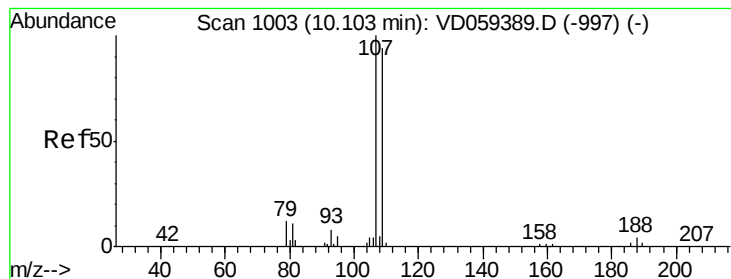
Tot Ion: 43 Resp: 1034584
Ion Ratio Lower Upper
43 100
58 46.7 23.3 69.9



#60
Dibromochloromethane
Concen: 52.32 ug/l
RT: 9.96 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 129 Resp: 483161
Ion Ratio Lower Upper
129 100
127 73.8 37.3 111.8





#61

1,2-Dibromoethane

Concen: 49.99 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

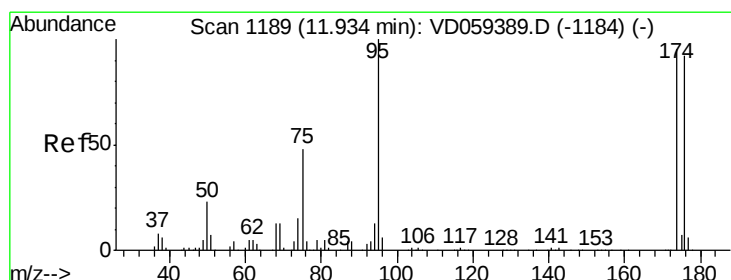
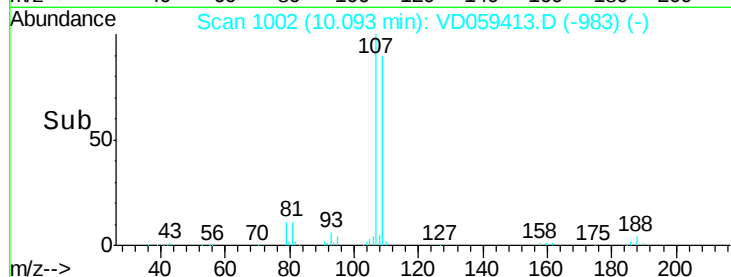
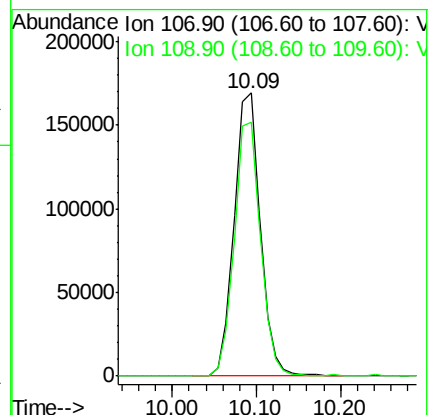
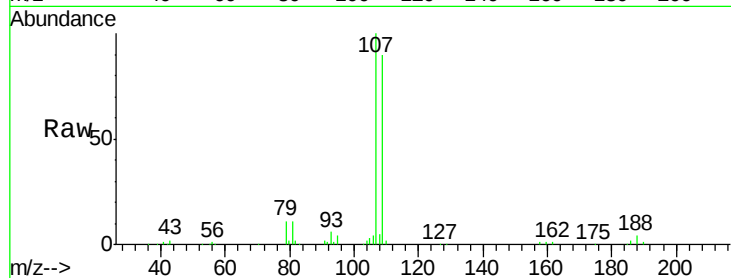
VSTDCCC050EC

Tot Ion:107 Resp: 367097

Ion Ratio Lower Upper

107 100

109 89.8 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 49.99 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

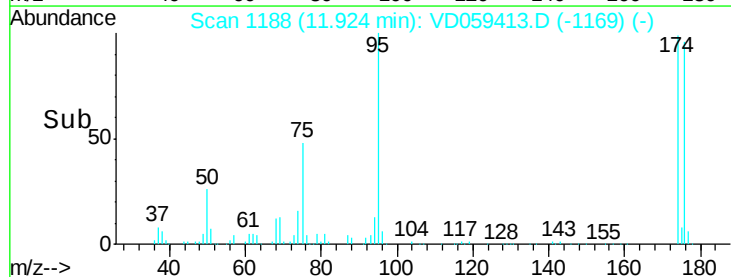
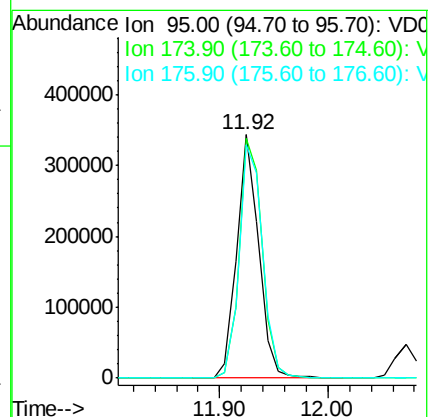
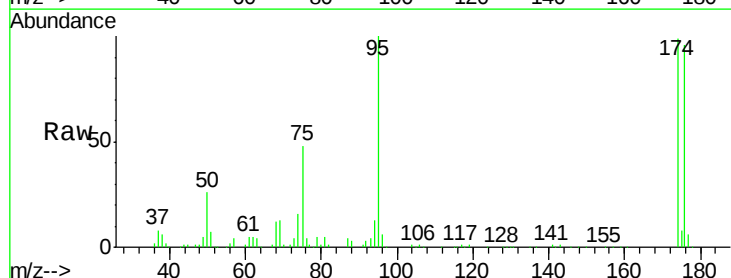
Tgt Ion: 95 Resp: 486067

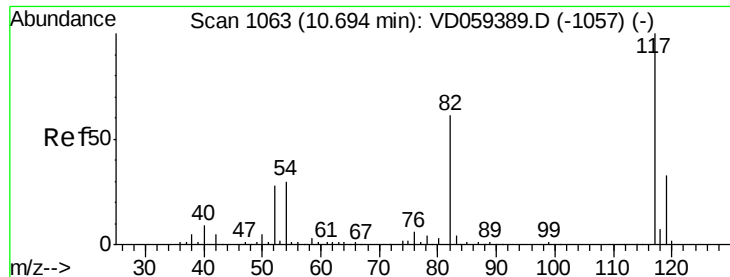
Ion Ratio Lower Upper

95 100

174 98.5 0.0 190.4

176 95.7 0.0 183.2

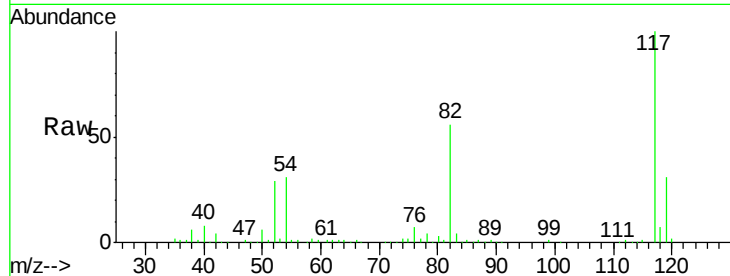




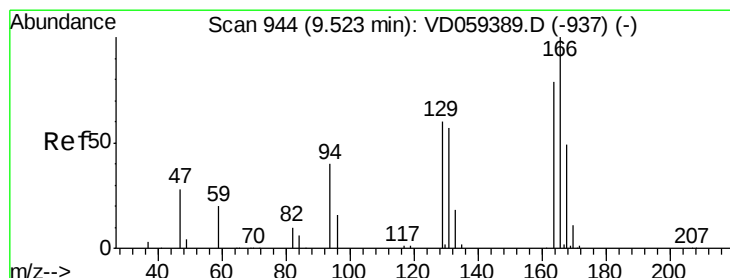
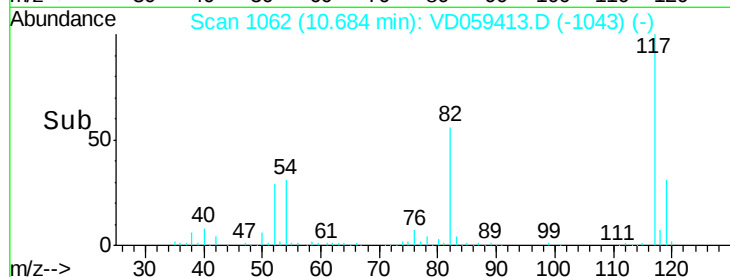
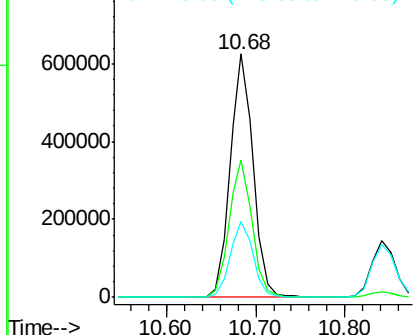
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1129675
Ion Ratio Lower Upper
117 100
82 56.3 49.0 73.6
119 31.0 26.2 39.4

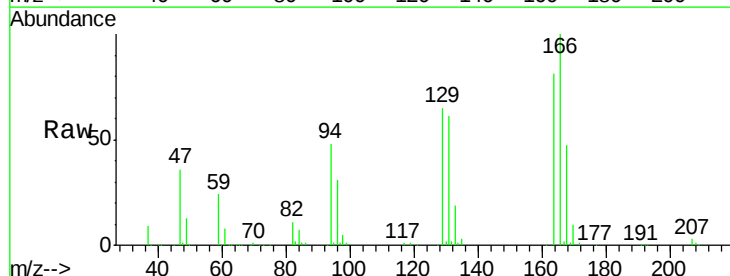


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

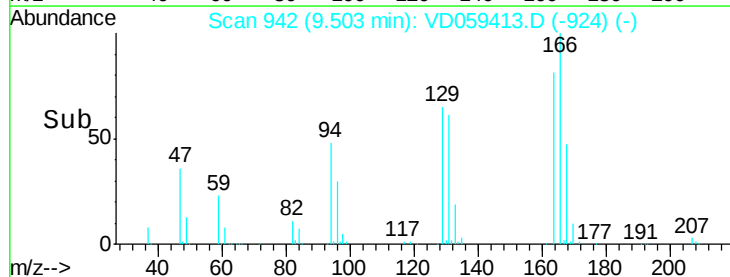
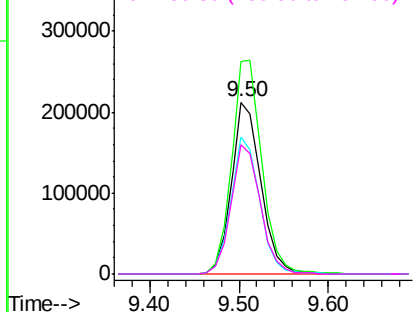


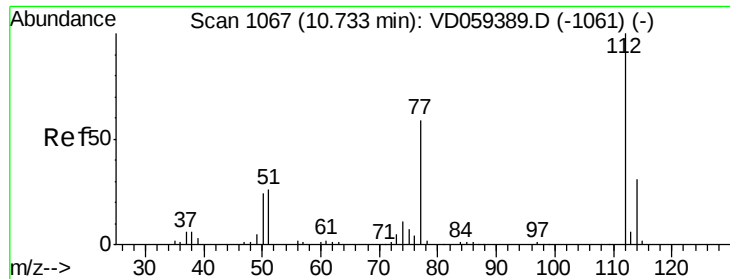
#64
Tetrachloroethene
Concen: 49.38 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion:164 Resp: 489381
Ion Ratio Lower Upper
164 100
166 123.2 101.4 152.2
129 79.8 60.9 91.3
131 75.3 58.2 87.4



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





#65

Chlorobenzene

Concen: 46.85 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

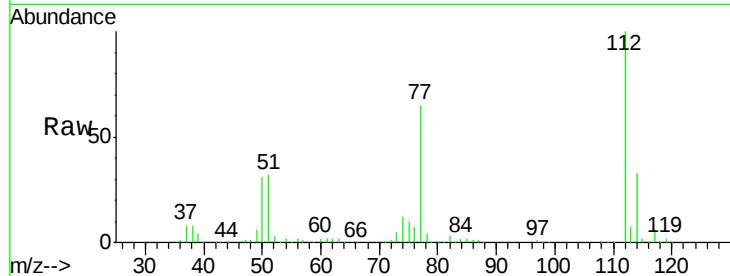
VSTDCCC050EC

Tot Ion:112 Resp: 967682

Ion Ratio Lower Upper

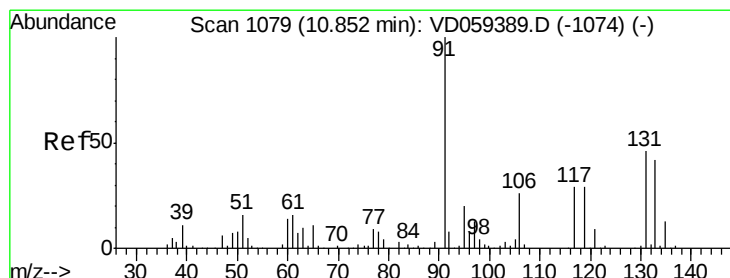
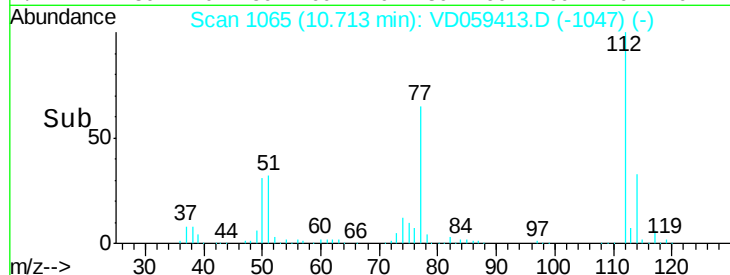
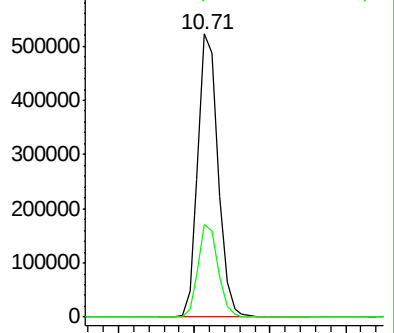
112 100

114 32.6 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.28 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

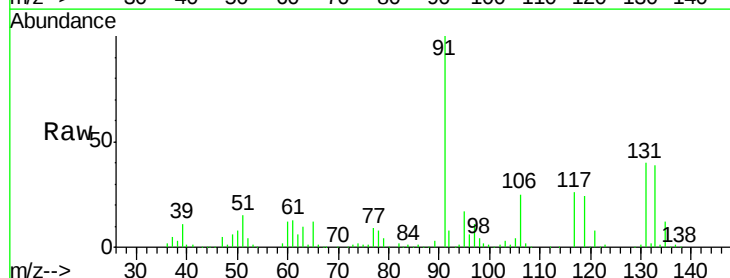
Tgt Ion:131 Resp: 406562

Ion Ratio Lower Upper

131 100

133 97.1 45.7 137.1

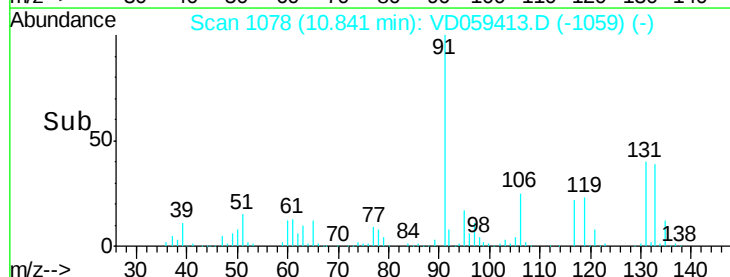
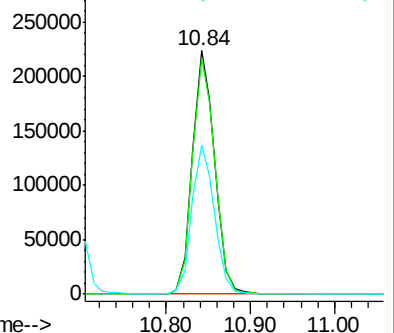
119 61.1 32.3 96.9

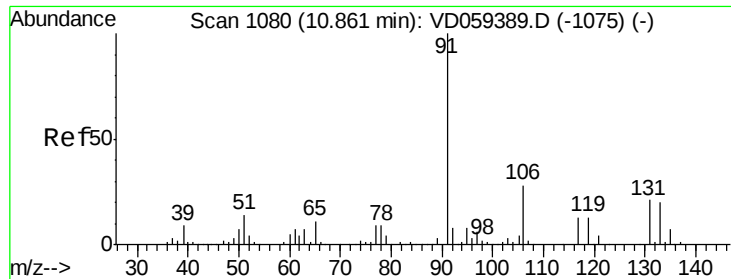


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

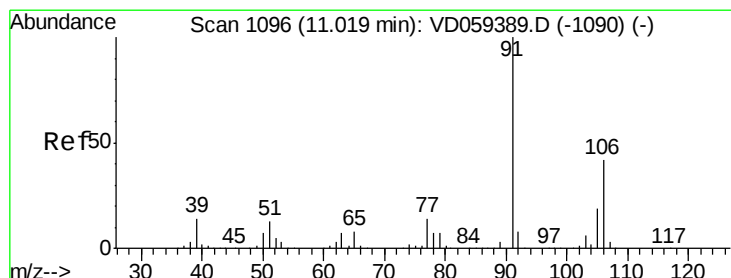
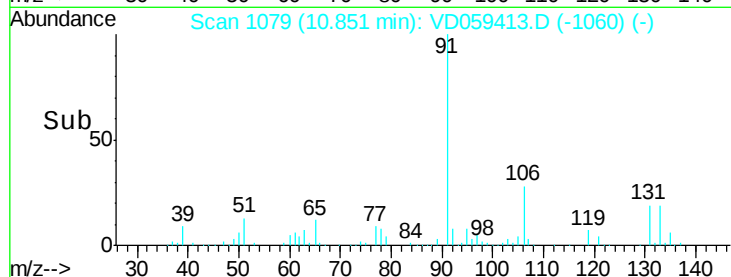
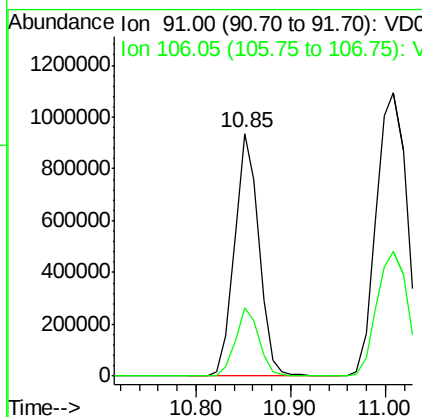
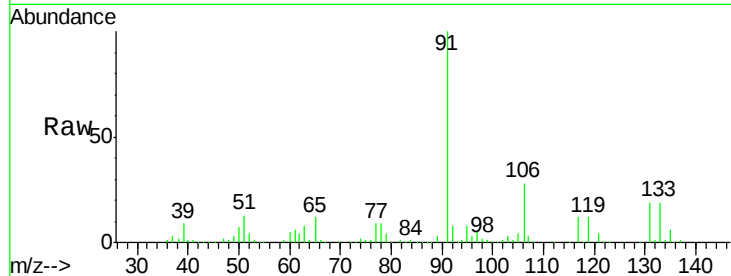




#67
Ethyl Benzene
Concen: 47.82 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

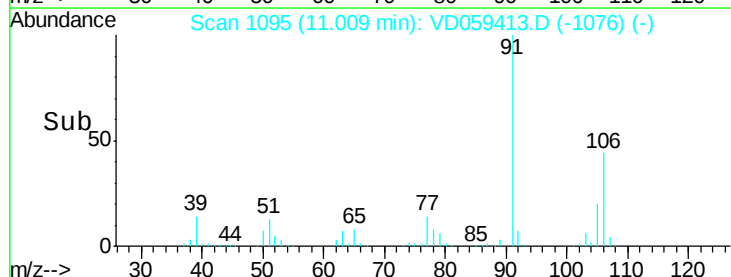
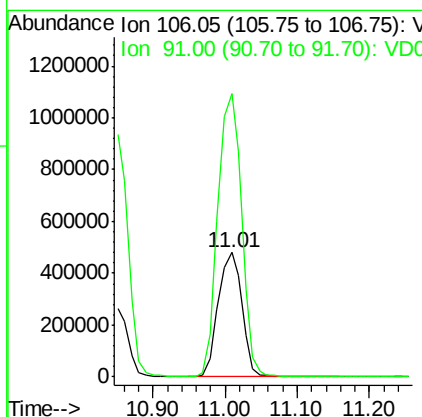
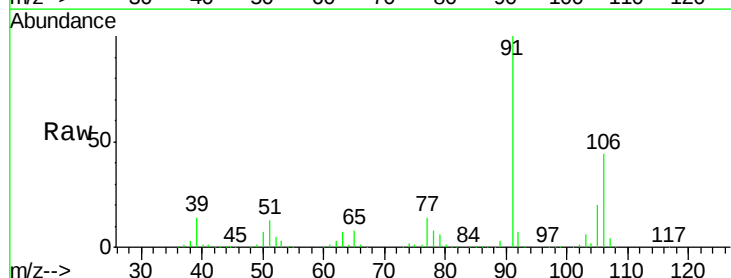
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

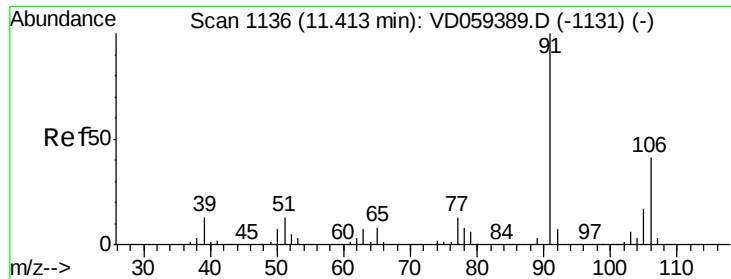
Tot Ion: 91 Resp: 1666852
Ion Ratio Lower Upper
91 100
106 27.9 22.3 33.5



#68
m/p-Xylenes
Concen: 94.00 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 106 Resp: 1087061
Ion Ratio Lower Upper
106 100
91 227.5 191.0 286.6

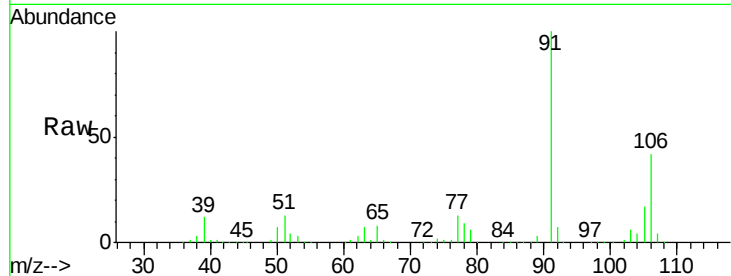




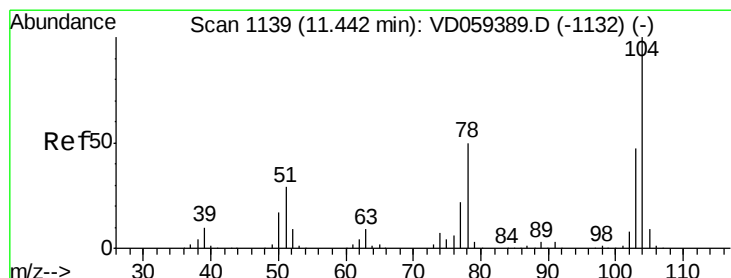
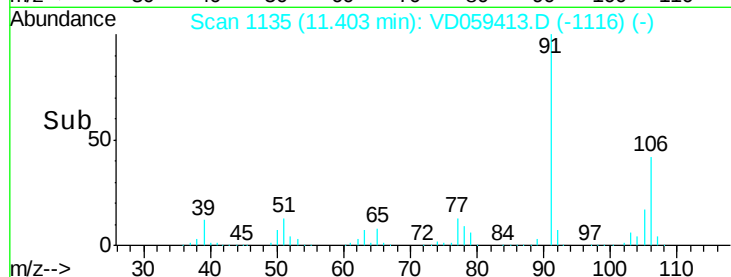
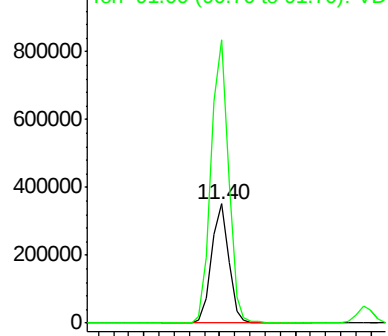
#69
o-Xylene
Concen: 48.12 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 550201
Ion Ratio Lower Upper
106 100
91 237.1 121.0 362.8

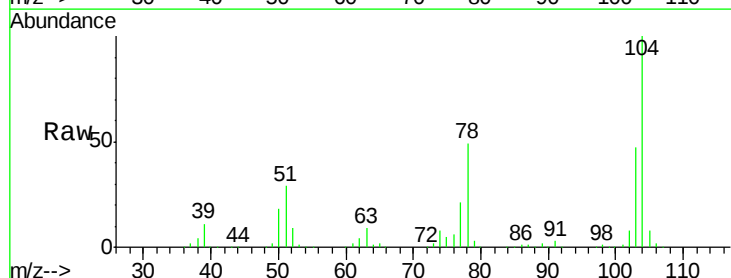


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

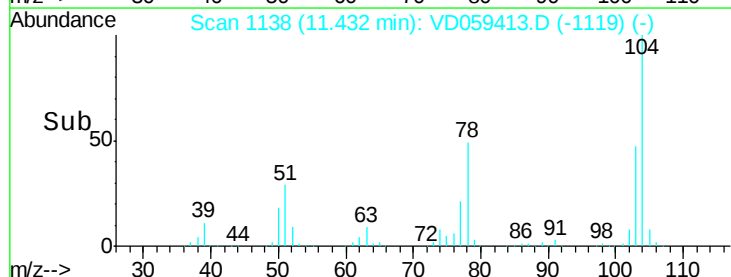
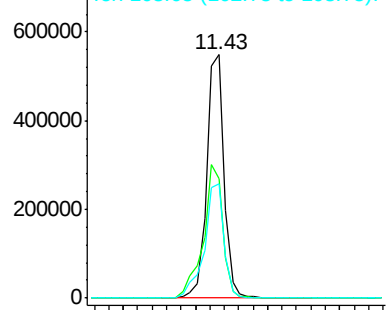


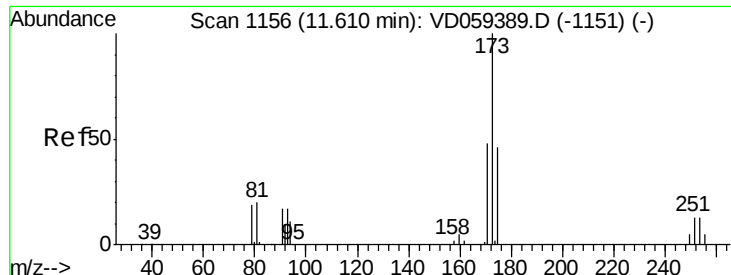
#70
Styrene
Concen: 47.12 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion:104 Resp: 923466
Ion Ratio Lower Upper
104 100
78 49.0 40.2 60.4
103 46.9 37.8 56.8



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





#71

Bromoform

Concen: 54.02 ug/l

RT: 11.59 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

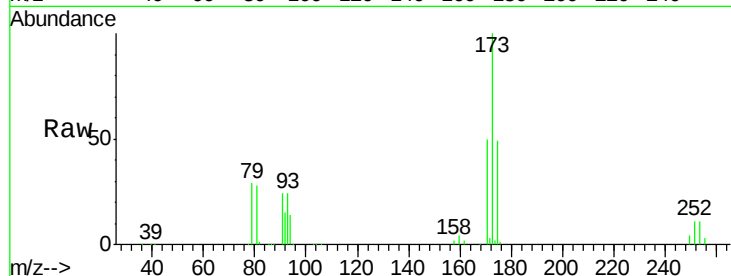
Tot Ion:173 Resp: 354833

Ion Ratio Lower Upper

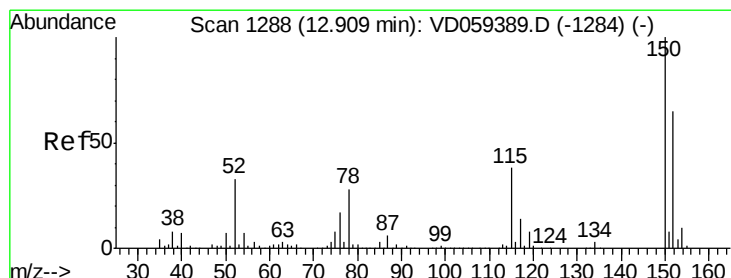
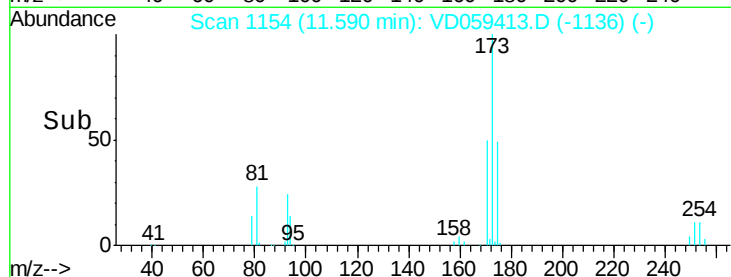
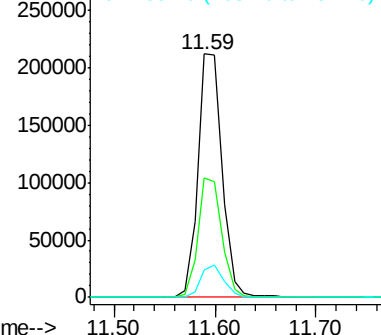
173 100

175 48.8 22.8 68.4

254 11.3 10.1 15.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

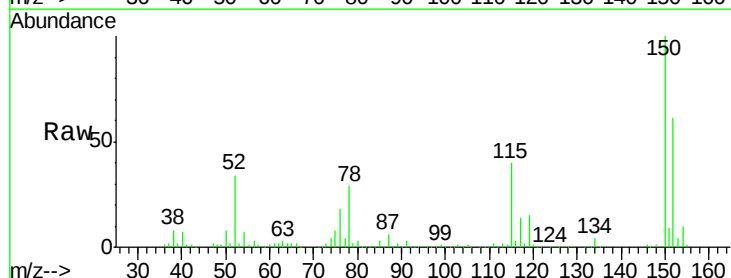
Tgt Ion:152 Resp: 565624

Ion Ratio Lower Upper

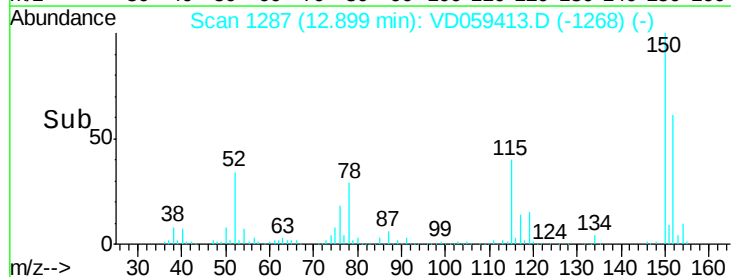
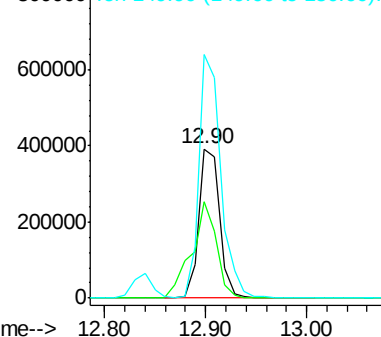
152 100

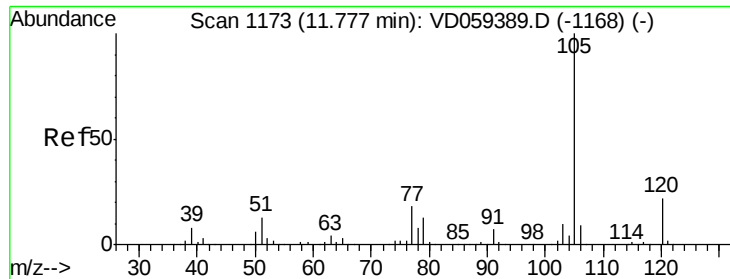
115 64.5 29.4 88.3

150 163.0 0.0 308.2



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





#73

Isopropylbenzene

Concen: 50.00 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

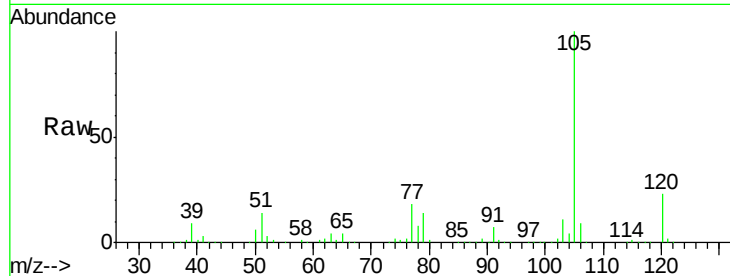
VSTDCCC050EC

Tot Ion:105 Resp: 1596025

Ion Ratio Lower Upper

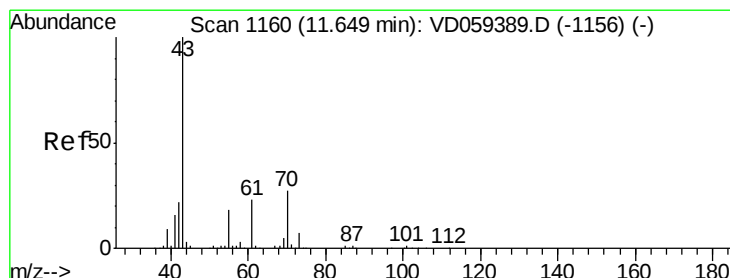
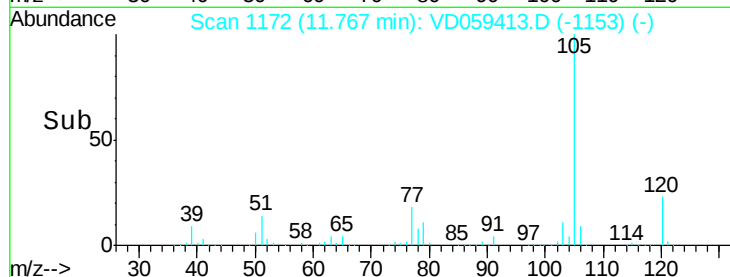
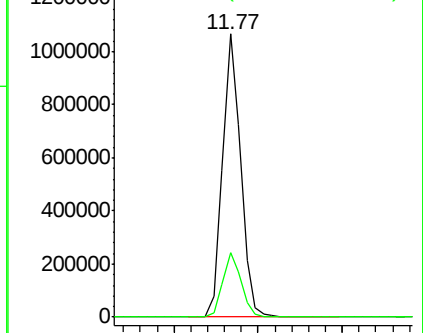
105 100

120 22.9 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.03 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Tgt Ion: 43 Resp: 595402

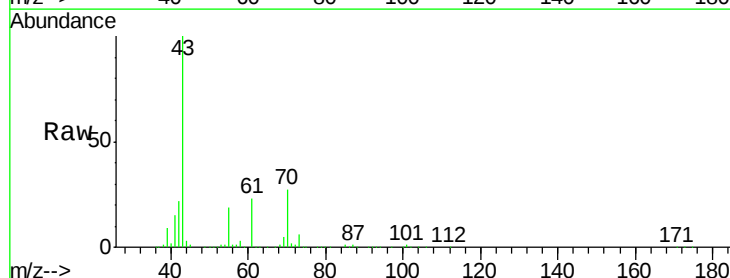
Ion Ratio Lower Upper

43 100

70 27.0 21.7 32.5

55 18.9 14.6 22.0

61 22.6 18.0 27.0

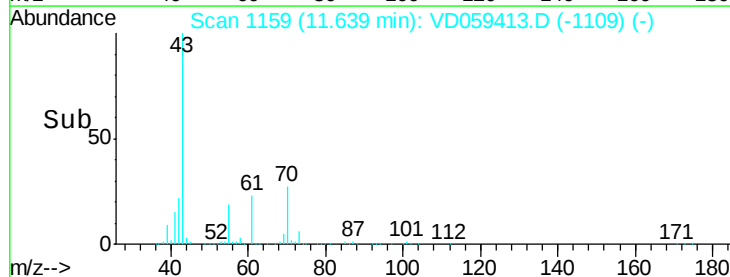
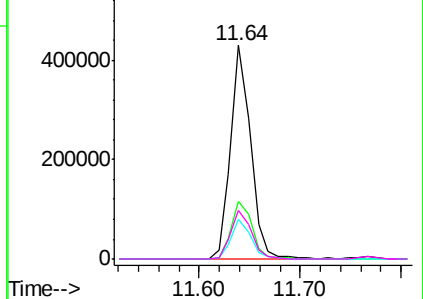


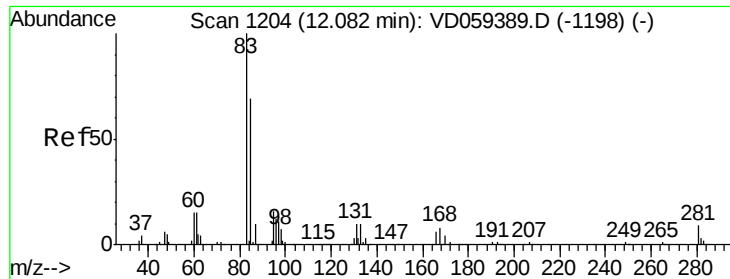
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.48 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

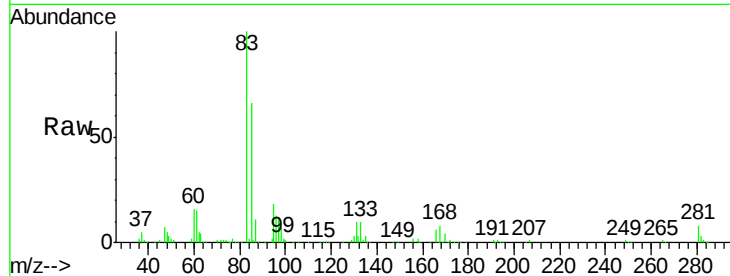
Tot Ion: 83 Resp: 370507

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

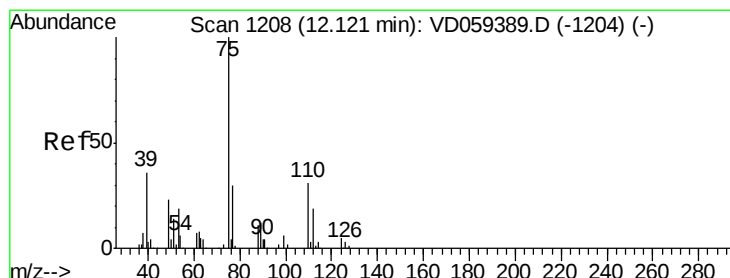
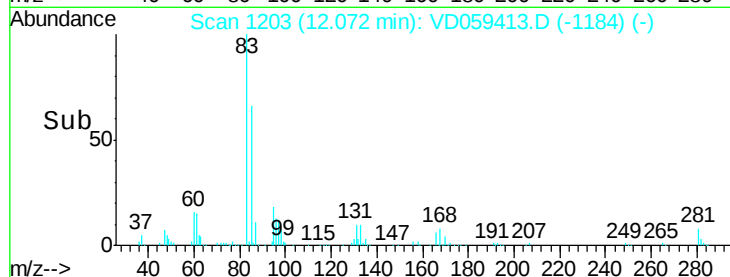
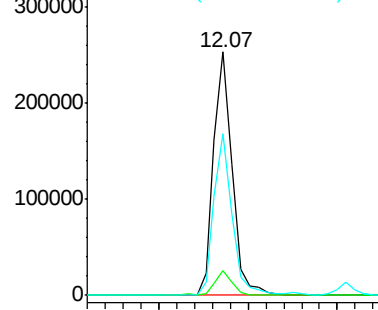
85 66.2 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.25 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059413.D

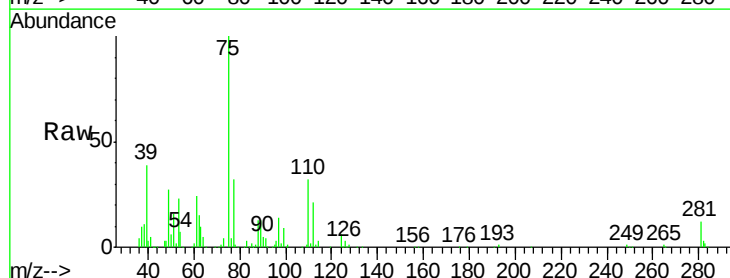
Acq: 26 Jun 2018 8:02

Tgt Ion: 75 Resp: 376463

Ion Ratio Lower Upper

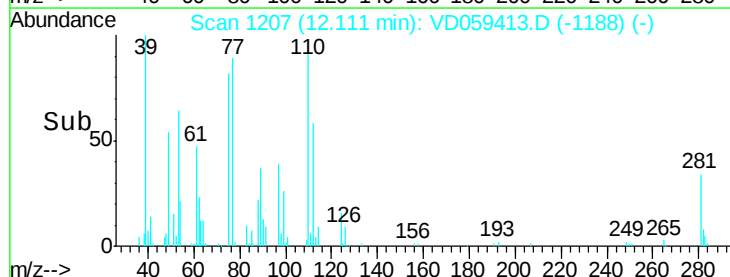
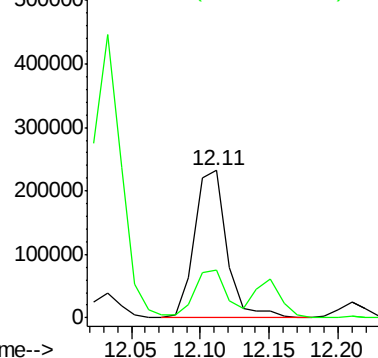
75 100

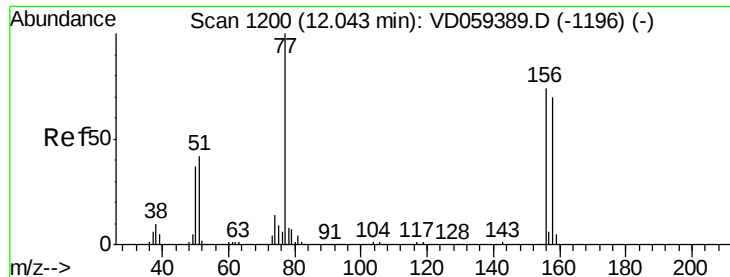
77 32.3 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.71 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

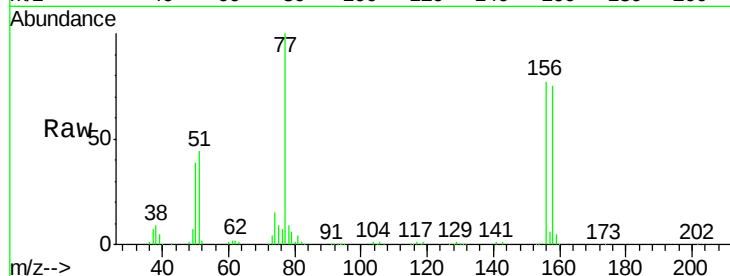
Tot Ion:156 Resp: 499361

Ion Ratio Lower Upper

156 100

77 129.7 68.0 203.8

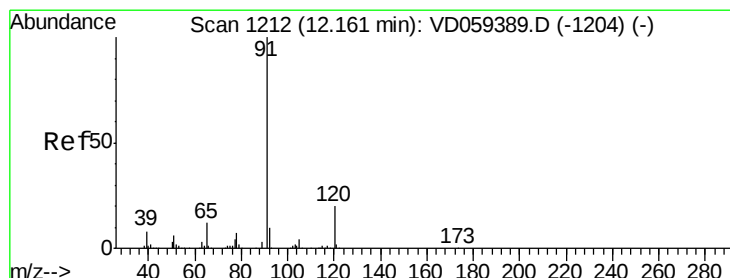
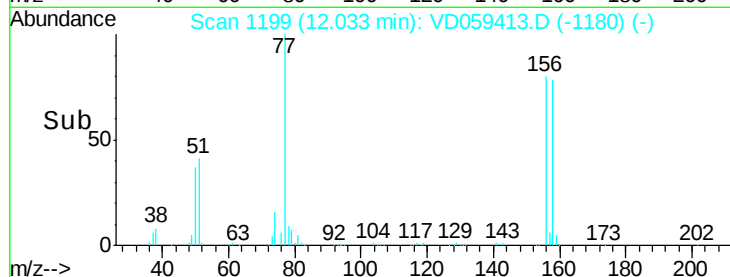
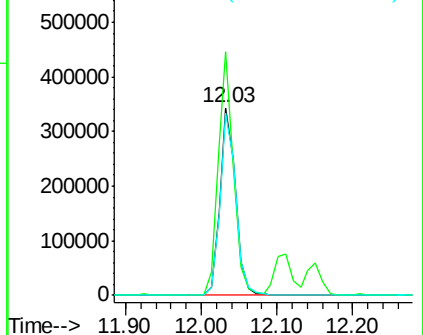
158 97.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.63 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059413.D

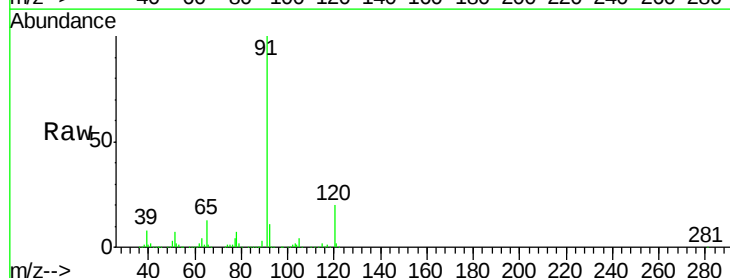
Acq: 26 Jun 2018 8:02

Tgt Ion: 91 Resp: 1925408

Ion Ratio Lower Upper

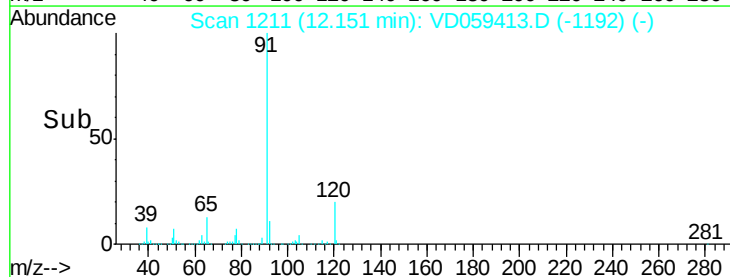
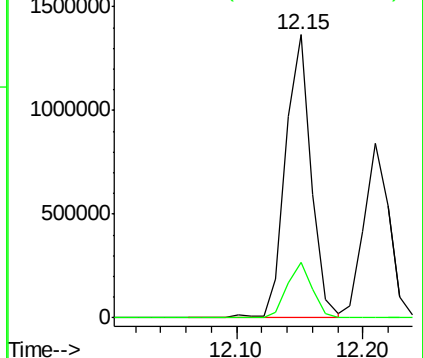
91 100

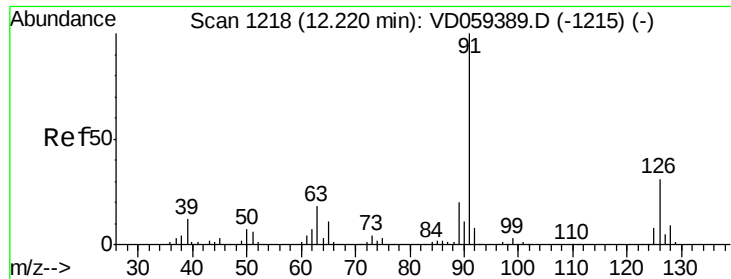
120 19.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

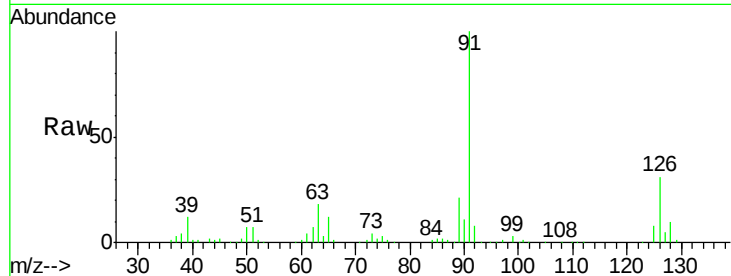




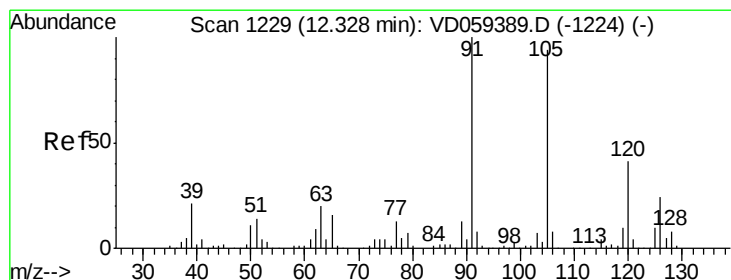
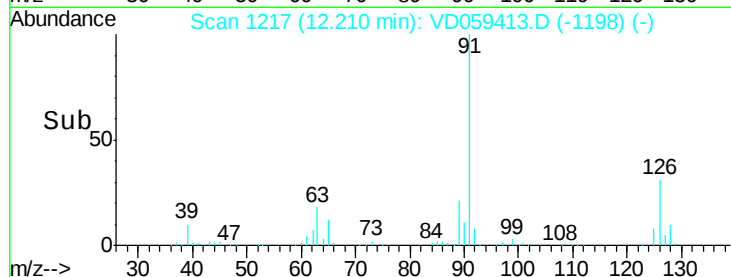
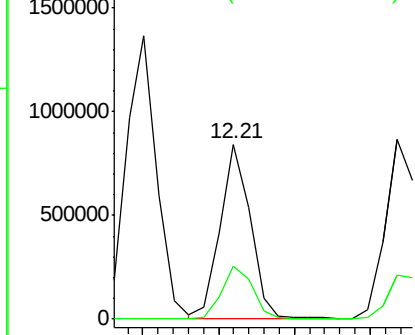
#79
 2-Chlorotoluene
 Concen: 49.22 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1168529
 Ion Ratio Lower Upper
 91 100
 126 30.6 15.2 45.5

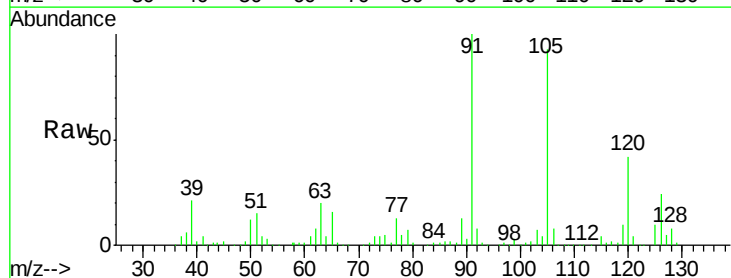


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

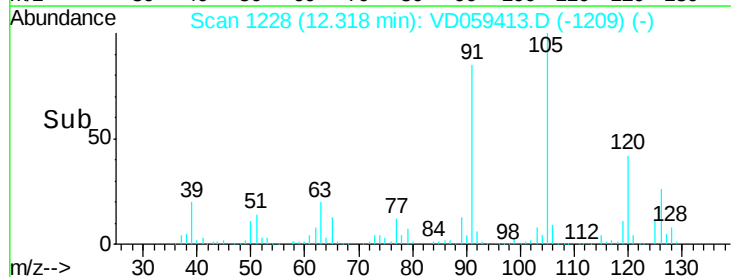
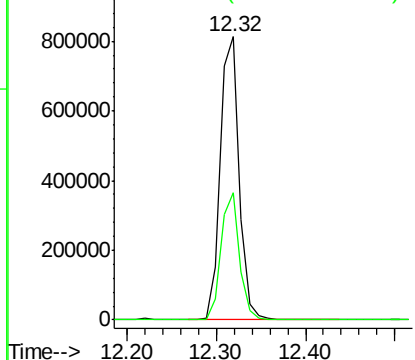


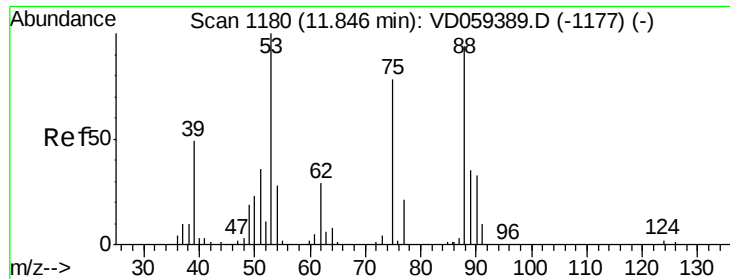
#80
 1,3,5-Trimethylbenzene
 Concen: 47.85 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion: 105 Resp: 1215793
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 47.99 ug/l

RT: 11.84 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

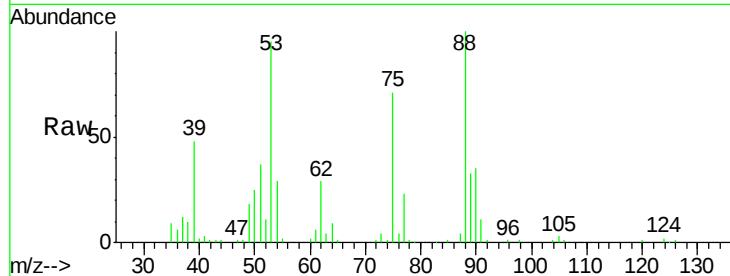
Tot Ion: 75 Resp: 85097

Ion Ratio Lower Upper

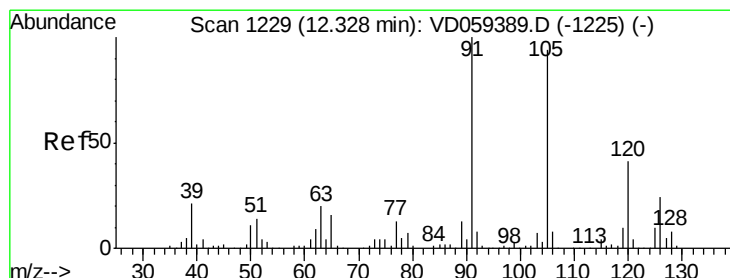
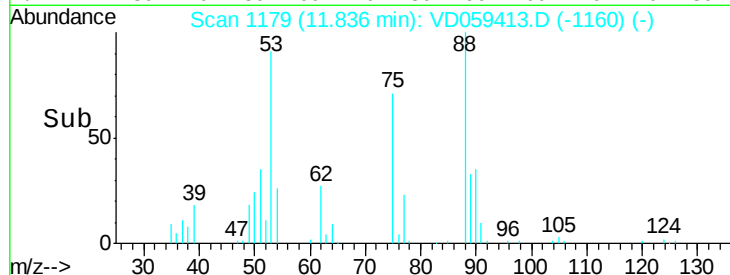
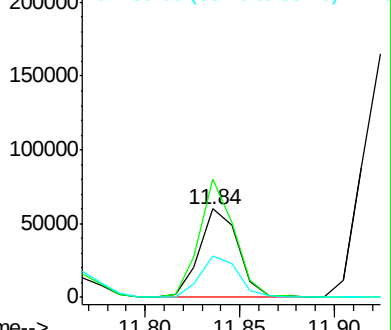
75 100

53 133.7 102.6 154.0

89 46.4 35.9 53.9



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



#82

4-Chlorotoluene

Concen: 47.75 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD059413.D

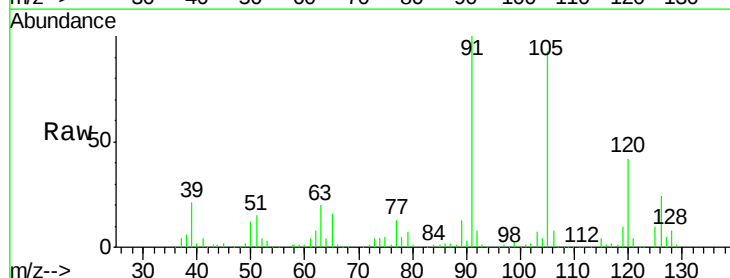
Acq: 26 Jun 2018 8:02

Tgt Ion: 91 Resp: 1285321

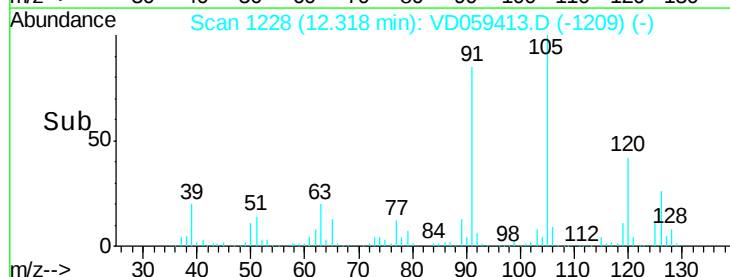
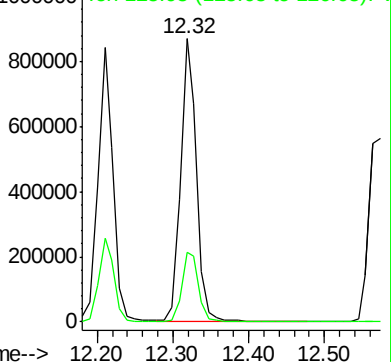
Ion Ratio Lower Upper

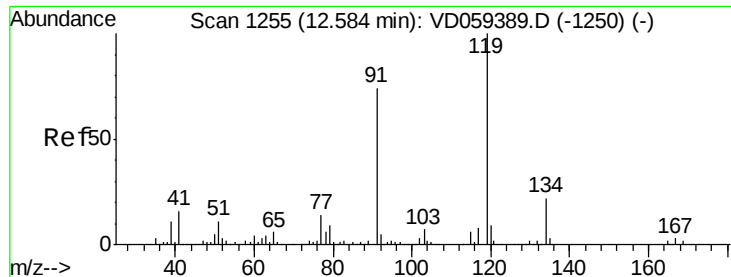
91 100

126 24.5 12.2 36.6



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

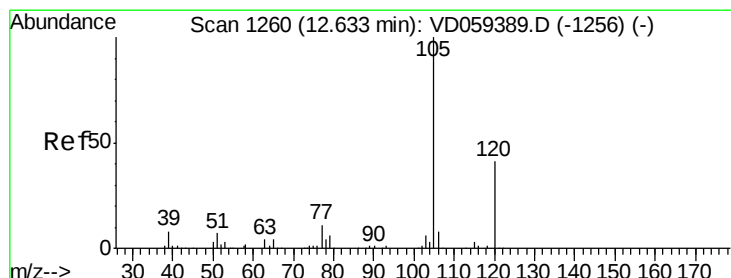
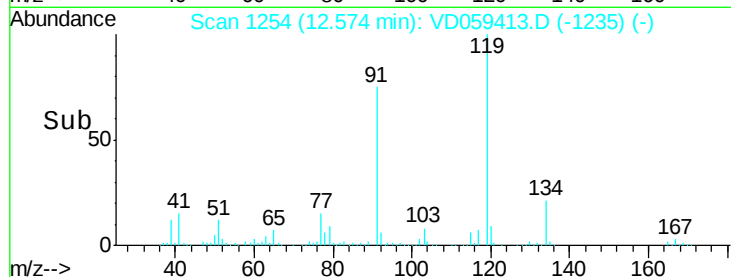
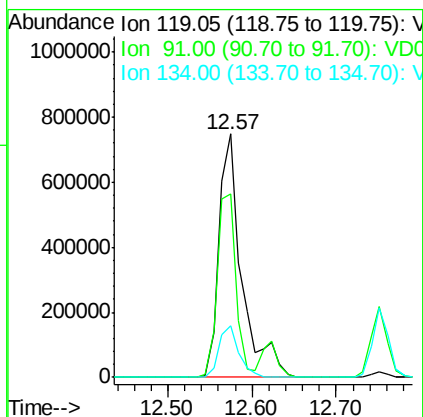
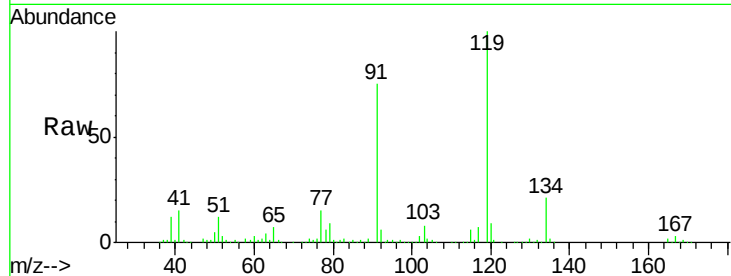




#83
 tert-Butylbenzene
 Concen: 51.96 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

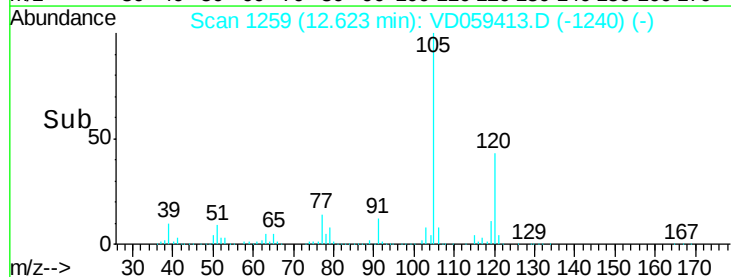
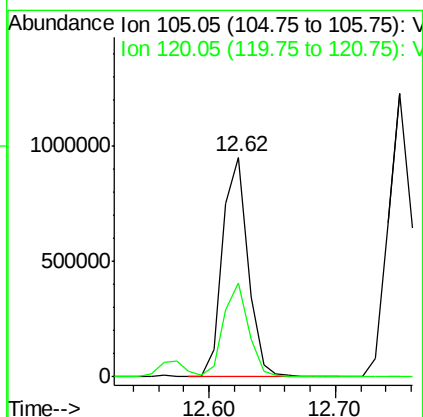
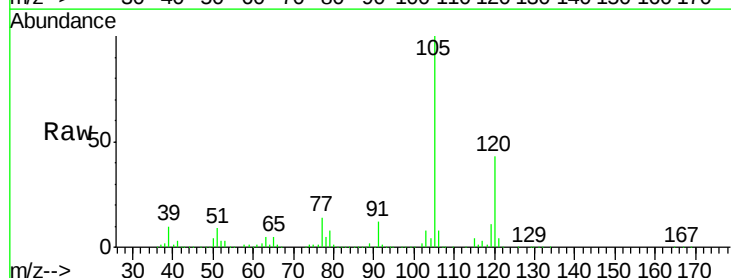
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

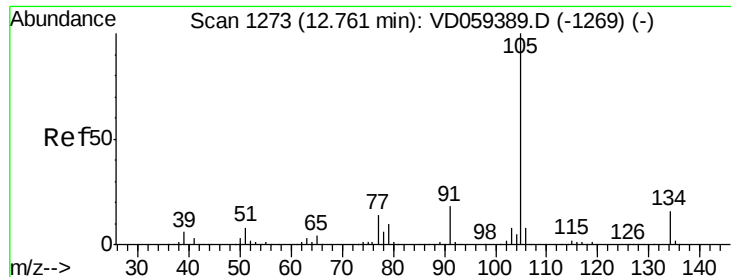
Tot Ion:119 Resp: 1404366
 Ion Ratio Lower Upper
 119 100
 91 75.1 36.9 110.7
 134 21.1 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.96 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion:105 Resp: 1316696
 Ion Ratio Lower Upper
 105 100
 120 42.7 21.5 64.5





#85

sec-Butylbenzene

Concen: 49.34 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

Instrument :

MSVOA_D

ClientSampleId :

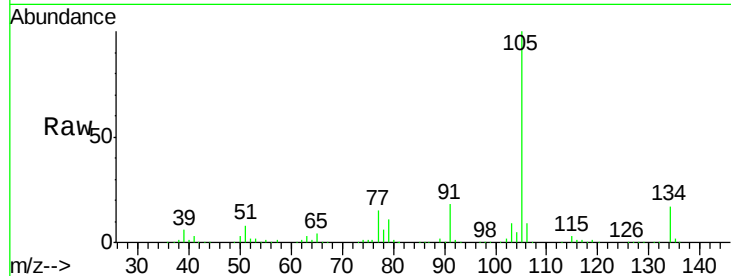
VSTDCCC050EC

Tot Ion:105 Resp: 1636407

Ion Ratio Lower Upper

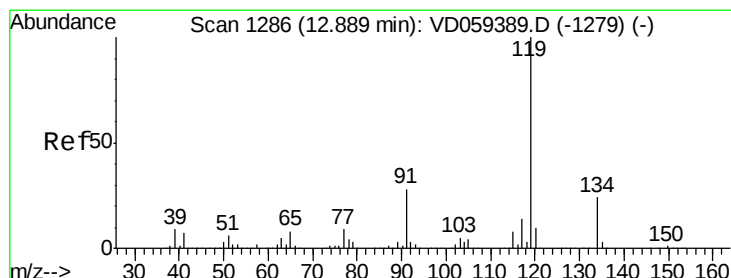
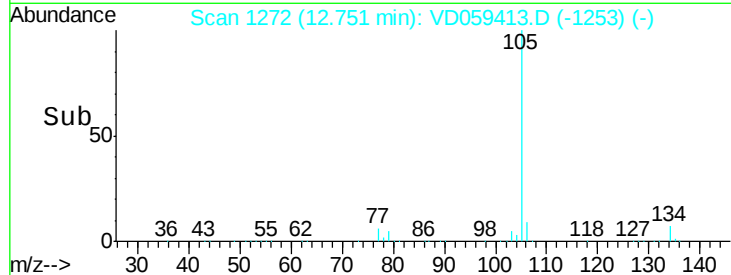
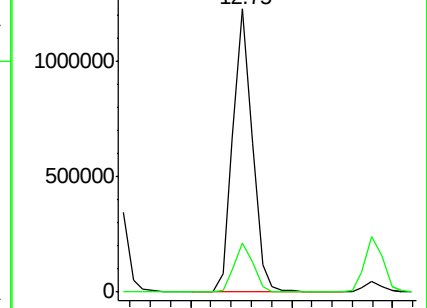
105 100

134 17.4 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.14 ug/l

RT: 12.88 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VD059413.D

Acq: 26 Jun 2018 8:02

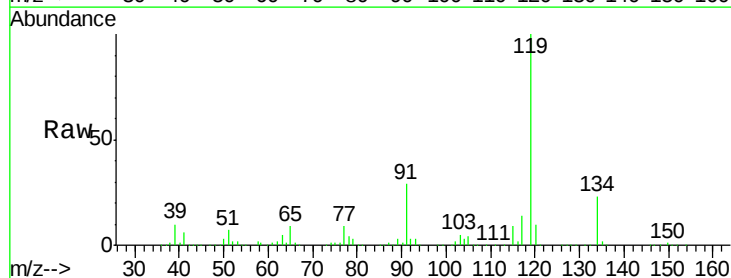
Tgt Ion:119 Resp: 1340497

Ion Ratio Lower Upper

119 100

134 22.6 11.9 35.5

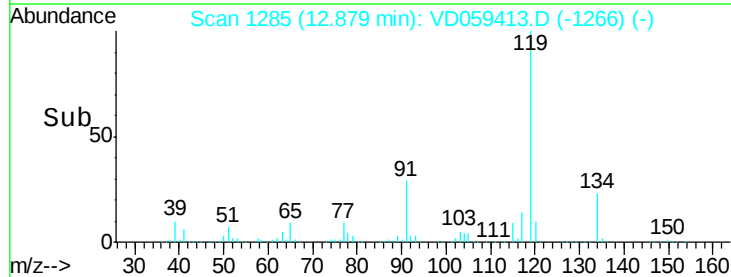
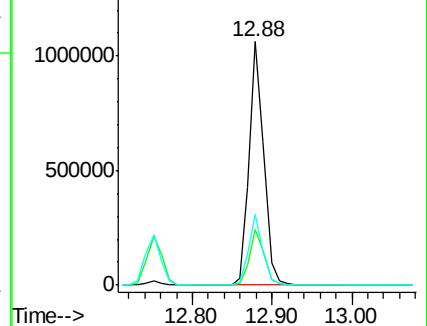
91 28.8 14.1 42.4

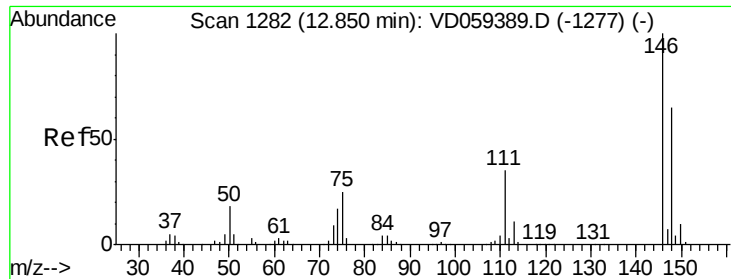


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

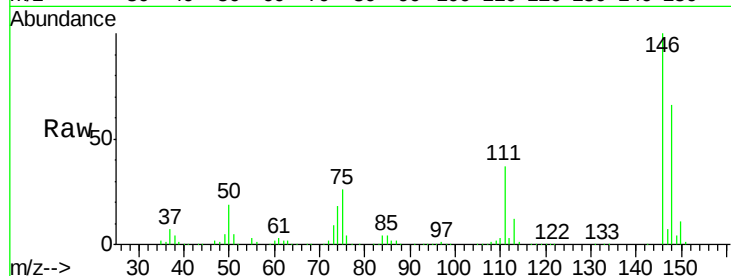




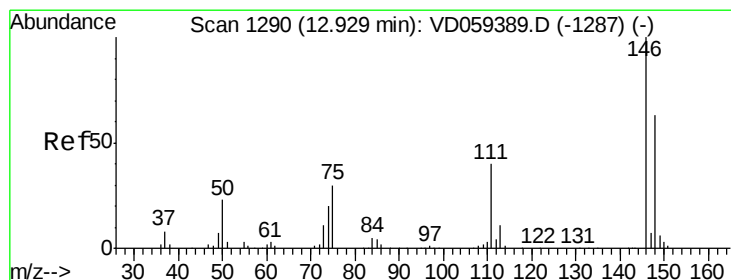
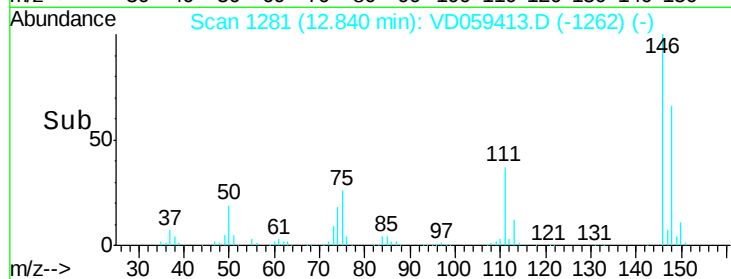
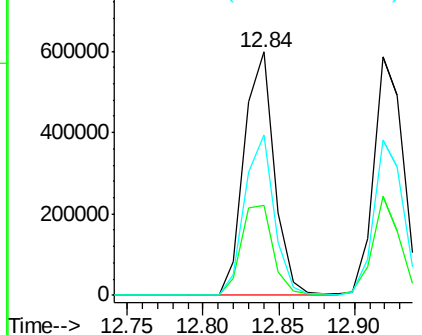
#87
 1,3-Dichlorobenzene
 Concen: 50.49 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 834482
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.6 52.8
 148 66.0 32.4 97.2

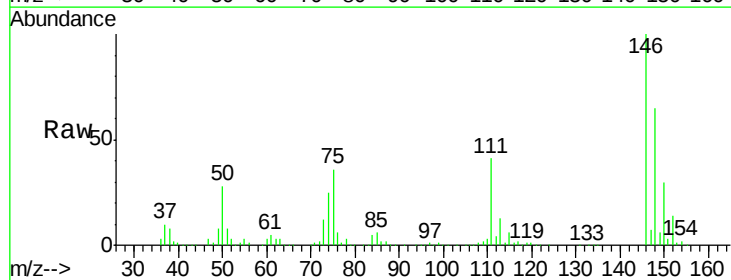


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

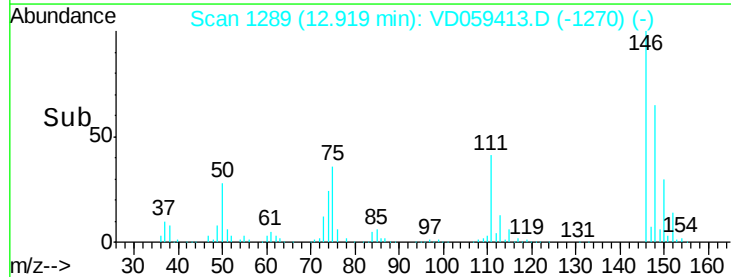
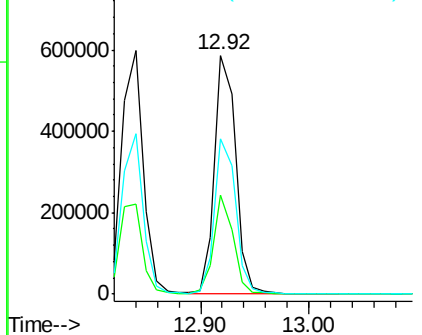


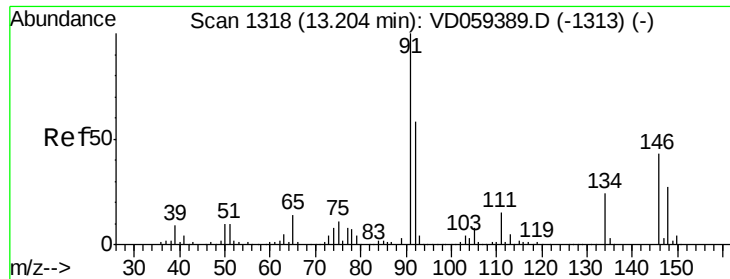
#88
 1,4-Dichlorobenzene
 Concen: 49.14 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion:146 Resp: 801522
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.1 60.2
 148 65.1 31.4 94.0



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

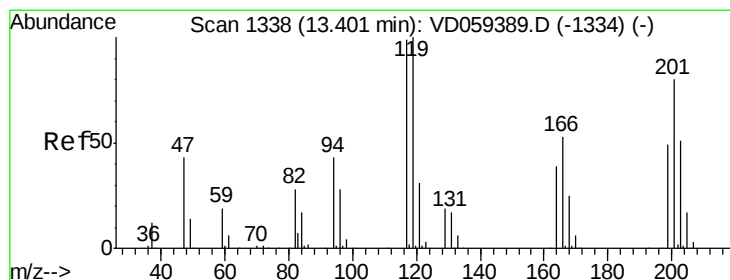
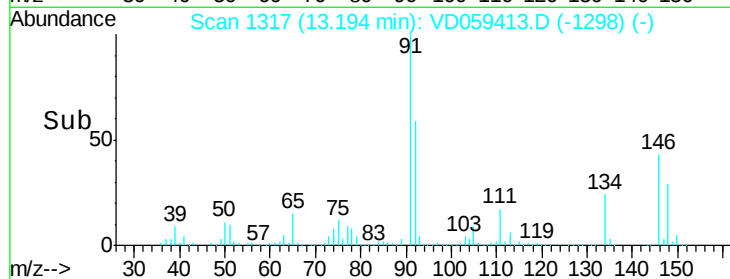
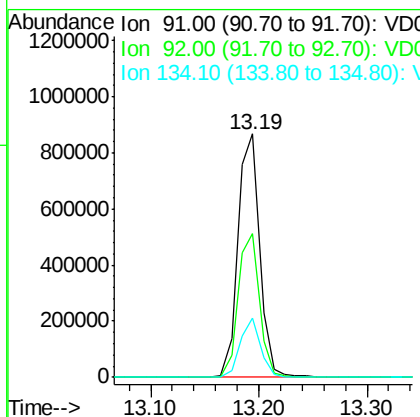
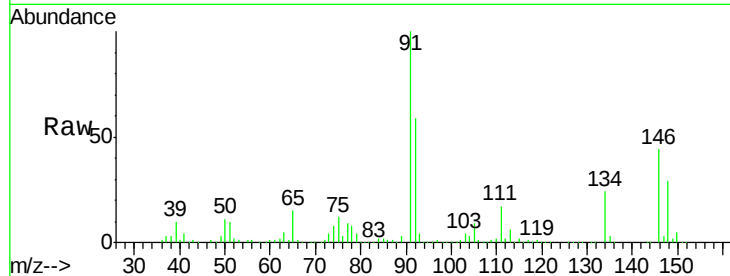




#89
n-Butylbenzene
Concen: 45.77 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

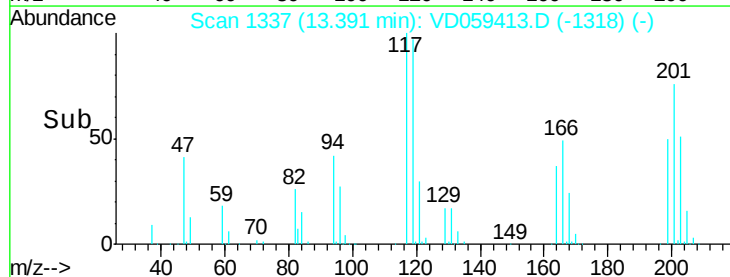
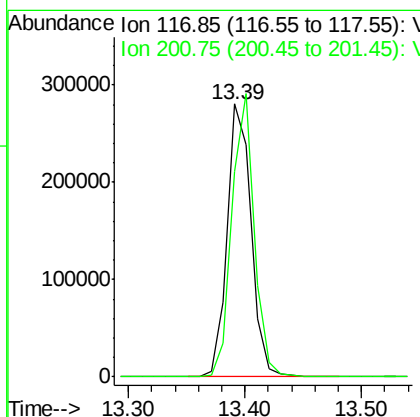
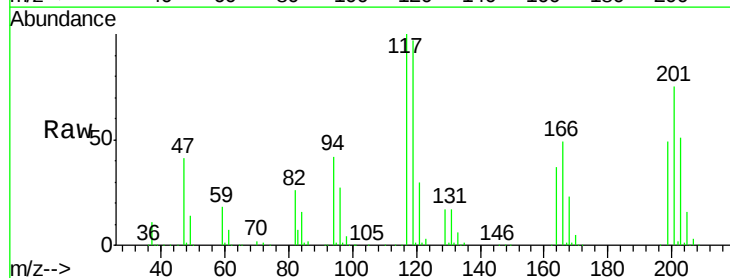
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

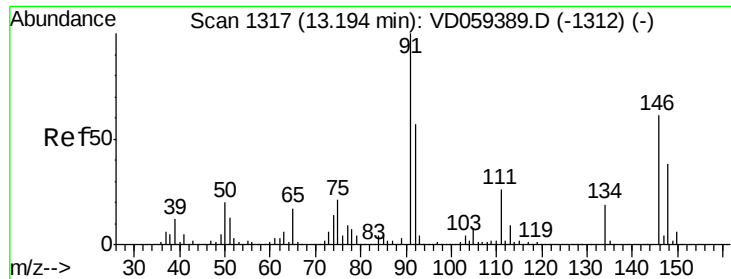
Tot Ion: 91 Resp: 1207886
Ion Ratio Lower Upper
91 100
92 58.8 28.8 86.5
134 24.3 11.9 35.7



#90
Hexachloroethane
Concen: 60.07 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion: 117 Resp: 400638
Ion Ratio Lower Upper
117 100
201 75.4 40.1 120.3

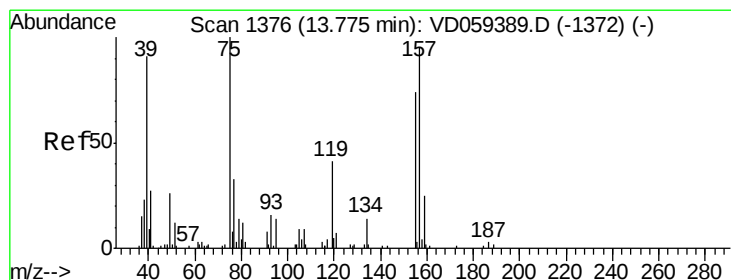
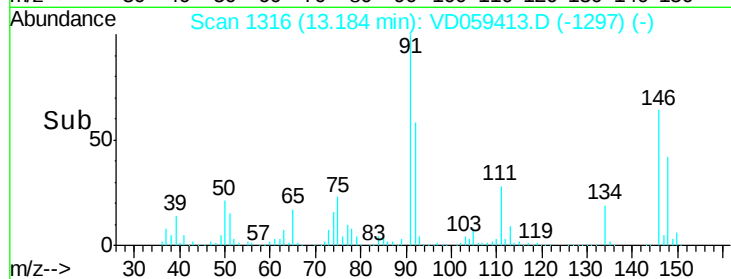
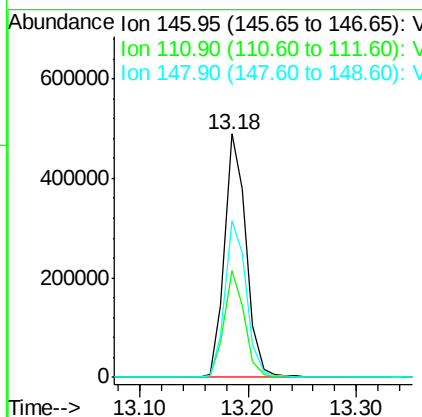
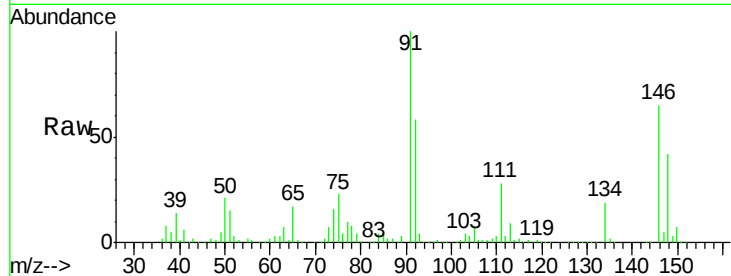




#91
 1,2-Dichlorobenzene
 Concen: 48.48 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

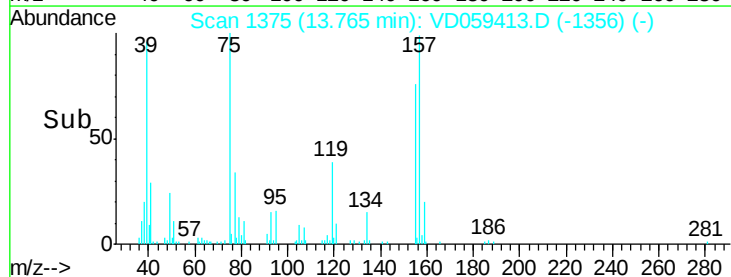
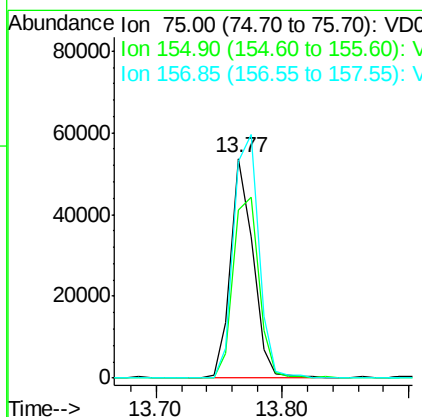
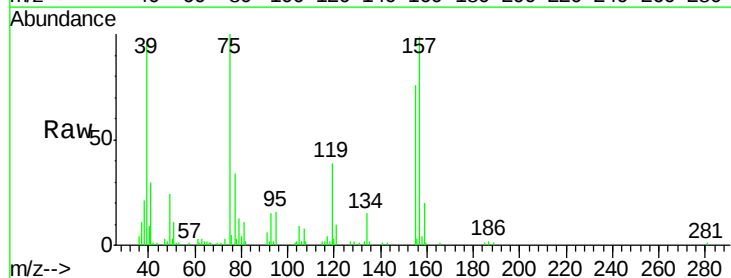
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

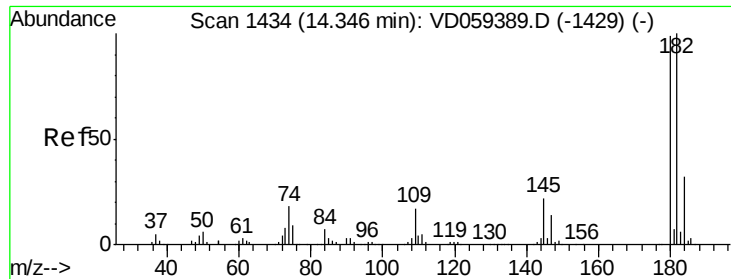
Tot Ion:146 Resp: 679379
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.4 64.2
 148 64.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.77 ug/l
 RT: 13.77 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion: 75 Resp: 66400
 Ion Ratio Lower Upper
 75 100
 155 76.5 37.2 111.6
 157 98.5 47.4 142.2

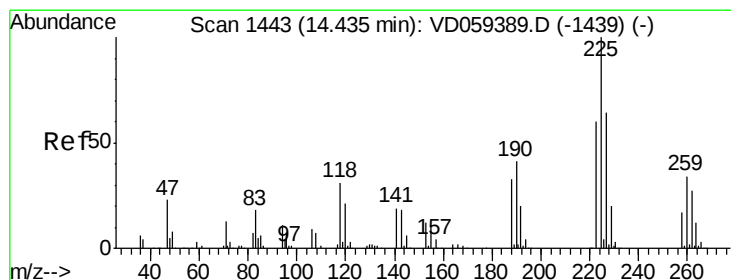
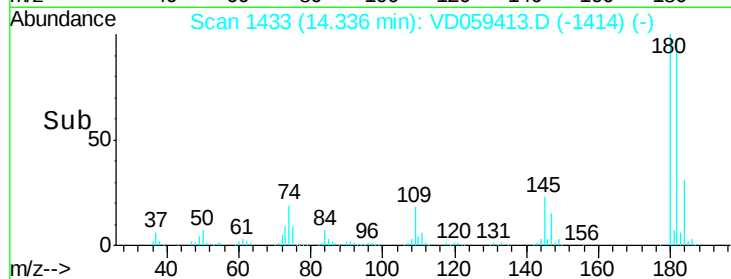
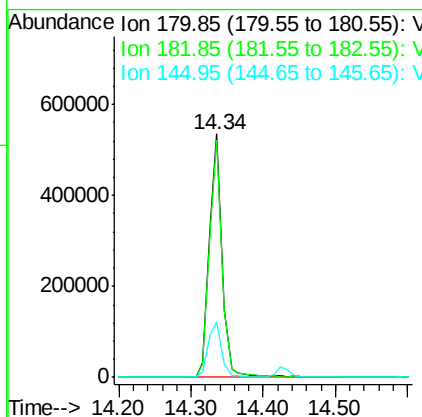
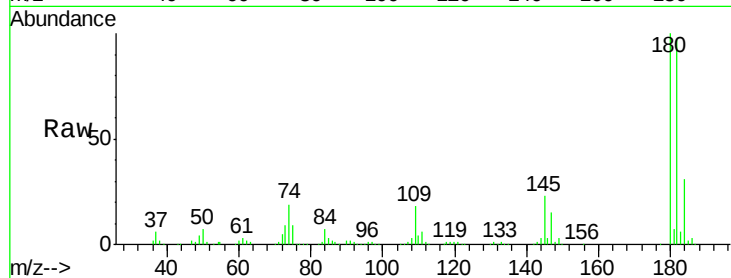




#93
 1,2,4-Trichlorobenzene
 Concen: 50.72 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

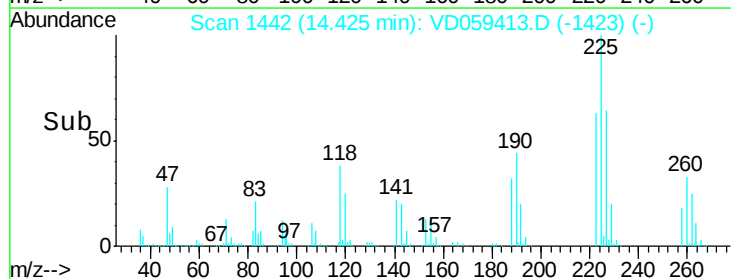
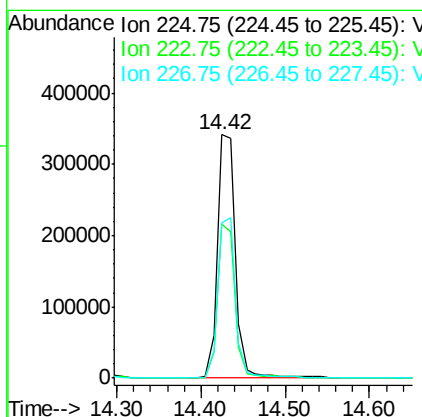
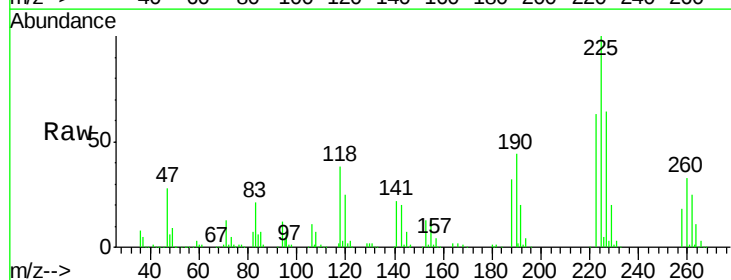
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

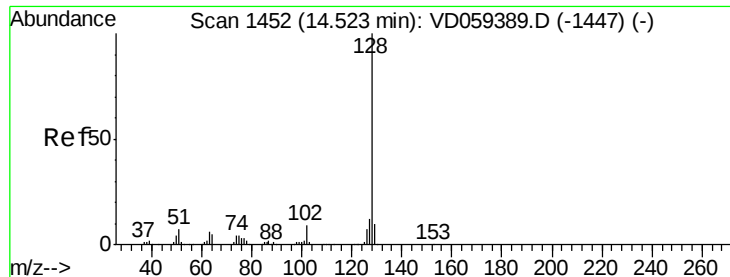
Tot Ion:180 Resp: 657065
 Ion Ratio Lower Upper
 180 100
 182 97.3 50.4 151.2
 145 22.7 11.0 33.0



#94
 Hexachlorobutadiene
 Concen: 51.86 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD059413.D
 Acq: 26 Jun 2018 8:02

Tgt Ion:225 Resp: 505539
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.0 90.1
 227 63.8 32.1 96.5

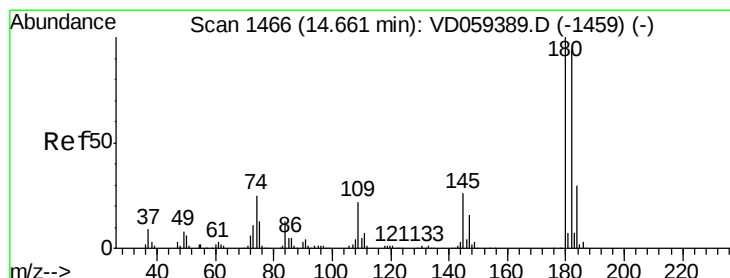
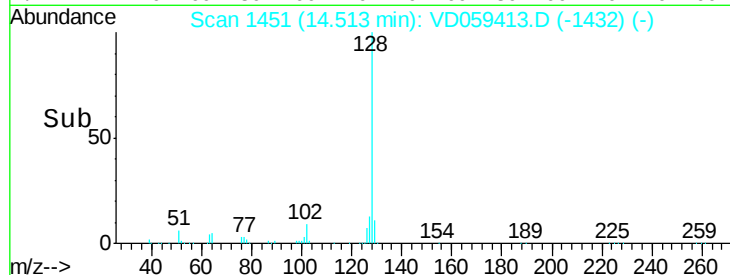
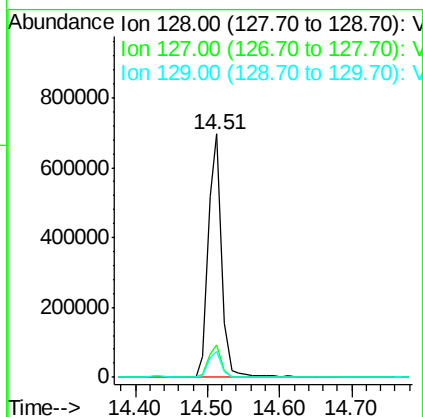
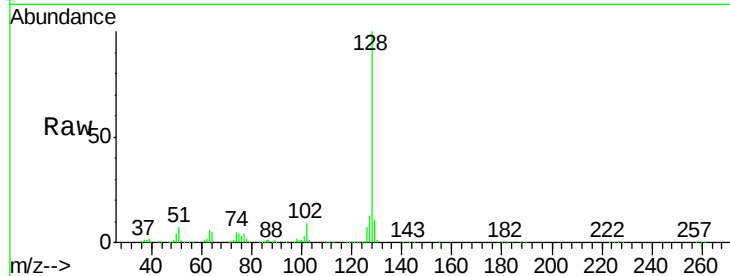




#95
Naphthalene
Concen: 49.15 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 887429
Ion Ratio Lower Upper
128 100
127 13.3 9.6 14.4
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 49.65 ug/l
RT: 14.65 min Scan# 1465
Delta R.T. -0.01 min
Lab File: VD059413.D
Acq: 26 Jun 2018 8:02

Tgt Ion:180 Resp: 578359
Ion Ratio Lower Upper
180 100
182 95.7 47.1 141.4
145 28.7 13.1 39.3

