

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059389.D
 Acq On : 25 Jun 2018 1:18
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 25 06:56:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	891605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1165608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	930901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	489769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	481460	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	5.56	113	493616	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	8.72	98	1161258	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.93	95	474076	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	371110	41.71	ug/l	100
3) Chloromethane	1.49	50	187636	42.70	ug/l	100
4) Vinyl Chloride	1.56	62	206126	44.79	ug/l	100
5) Bromomethane	1.79	94	82376	48.38	ug/l	100
6) Chloroethane	1.88	64	96427	55.86	ug/l	100
7) Trichlorofluoromethane	2.09	101	316810	49.20	ug/l	100
8) Diethyl Ether	2.35	74	69086	51.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	192520	47.59	ug/l	100
10) Methyl Iodide	2.70	142	244153	52.67	ug/l	100
11) Tert butyl alcohol	3.27	59	86960	286.80	ug/l	100
12) 1,1-Dichloroethene	2.55	96	140503	46.44	ug/l	100
13) Acrolein	2.47	56	66154	341.13	ug/l	100
14) Allyl chloride	2.93	41	321981	46.08	ug/l	100
15) Acrylonitrile	3.36	53	240827	297.49	ug/l	100
16) Acetone	2.61	43	275827	230.74	ug/l	100
17) Carbon Disulfide	2.76	76	433363	42.51	ug/l	100
18) Methyl Acetate	2.94	43	132331	50.40	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	707198	77.93	ug/l	100
20) Methylene Chloride	3.07	84	158662	41.84	ug/l	100
21) trans-1,2-Dichloroethene	3.40	96	255943	69.70	ug/l	100
22) Diisopropyl ether	4.08	45	1224957	44.24	ug/l	100
23) Vinyl Acetate	4.03	43	3338553	227.18	ug/l	100
24) 1,1-Dichloroethane	3.98	63	678265	45.18	ug/l	100
25) 2-Butanone	4.85	43	574910	221.38	ug/l	100
26) 2,2-Dichloropropane	4.81	77	537737	43.04	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	394143	47.43	ug/l	100
28) Bromochloromethane	5.15	49	320074	47.70	ug/l	100
29) Tetrahydrofuran	5.19	42	323813	234.19	ug/l	100
30) Chloroform	5.33	83	754868	47.33	ug/l	100
31) Cyclohexane	5.60	56	494589	38.94	ug/l	100
32) 1,1,1-Trichloroethane	5.53	97	636169	48.24	ug/l	100
36) 1,1-Dichloropropene	5.75	75	501306	44.17	ug/l	100
37) Ethyl Acetate	4.94	43	308093	48.14	ug/l	100
38) Carbon Tetrachloride	5.73	117	526982	46.59	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	475043	43.19	ug/l	100
40) Benzene	6.03	78	1218495	44.88	ug/l	100
41) Methacrylonitrile	5.13	41	158327	49.96	ug/l	100
42) 1,2-Dichloroethane	6.14	62	545255	49.46	ug/l	100
43) Isopropyl Acetate	7.62	43	394712	46.61	ug/l	100
44) Trichloroethene	6.99	130	384122	46.88	ug/l	100
45) 1,2-Dichloropropane	7.36	63	327806	45.27	ug/l	100
46) Dibromomethane	7.47	93	246651	49.44	ug/l	100
47) Bromodichloromethane	7.75	83	586254	50.83	ug/l	100
48) Methyl methacrylate	7.51	41	232348	45.06	ug/l	100
49) 1,4-Dioxane	7.50	88	47613	1021.11	ug/l	100
51) 4-Methyl-2-Pentanone	8.61	43	1299353	233.89	ug/l	100
52) Toluene	8.81	92	709291	45.75	ug/l	100
53) t-1,3-Dichloropropene	9.20	75	470438	47.69	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	538046	46.89	ug/l	100
55) 1,1,2-Trichloroethane	9.46	97	266081	48.46	ug/l	100
56) Ethyl methacrylate	9.33	69	312651	48.31	ug/l	100
57) 1,3-Dichloropropane	9.67	76	442824	47.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	781773	243.56	ug/l	100
59) 2-Hexanone	9.80	43	953513	236.13	ug/l	100
60) Dibromochloromethane	9.97	129	386646	51.78	ug/l	100
61) 1,2-Dibromoethane	10.10	107	294751	49.37	ug/l	100
64) Tetrachloroethene	9.52	164	381968	48.80	ug/l	100
65) Chlorobenzene	10.73	112	801496	46.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	344842	51.17	ug/l	100
67) Ethyl Benzene	10.86	91	1413401	46.18	ug/l	100
68) m/p-Xylenes	11.02	106	894503	87.98	ug/l	100
69) o-Xylene	11.41	106	466405	47.46	ug/l	100
70) Styrene	11.44	104	802765	47.97	ug/l	100
71) Bromoform	11.61	173	286490	53.90	ug/l	100
73) Isopropylbenzene	11.78	105	1351920	46.54	ug/l	100
74) N-amyl acetate	11.65	43	523929	47.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.08	83	318525	47.79	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	337074	48.20	ug/l	100
77) Bromobenzene	12.04	156	428673	49.08	ug/l	100
78) n-propylbenzene	12.16	91	1693157	45.43	ug/l	100
79) 2-Chlorotoluene	12.22	91	1011335	47.28	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	1039821	46.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	82398	49.30	ug/l	100
82) 4-Chlorotoluene	12.33	91	1066735	44.43	ug/l	100
83) tert-Butylbenzene	12.58	119	1173603	45.48	ug/l	100
84) 1,2,4-Trimethylbenzene	12.63	105	1149749	46.81	ug/l	100
85) sec-Butylbenzene	12.76	105	1438661	47.40	ug/l	100
86) p-Isopropyltoluene	12.89	119	1132325	45.92	ug/l	100
87) 1,3-Dichlorobenzene	12.85	146	692918	46.04	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	678622	46.18	ug/l	100
89) n-Butylbenzene	13.20	91	1067596	41.76	ug/l	100
90) Hexachloroethane	13.40	117	305686	48.14	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	558673	43.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	56137	52.65	ug/l	100

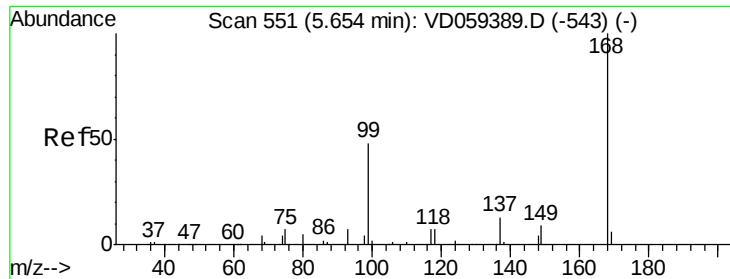
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	543756	45.02	ug/l	100
94) Hexachlorobutadiene	14.43	225	436483	45.76	ug/l	100
95) Naphthalene	14.52	128	760816	47.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	502812	47.16	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

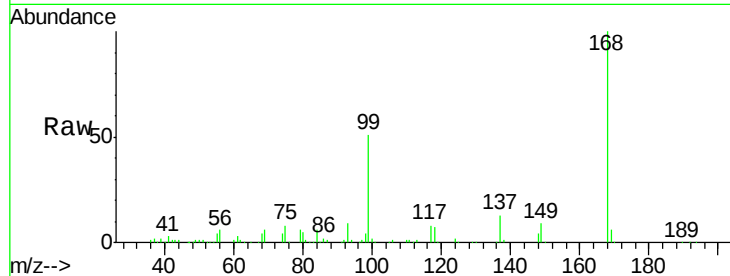
VSTDICCC050

Tot Ion:168 Resp: 891605

Ion Ratio Lower Upper

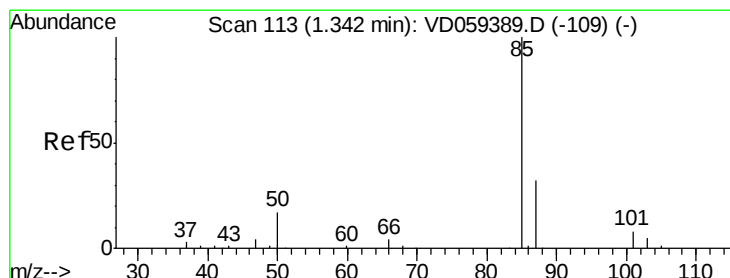
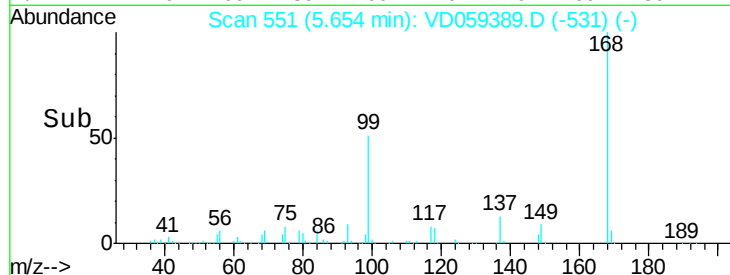
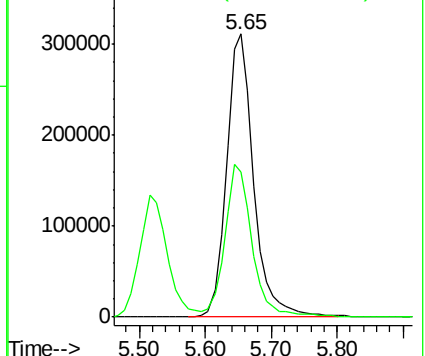
168 100

99 51.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 41.71 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059389.D

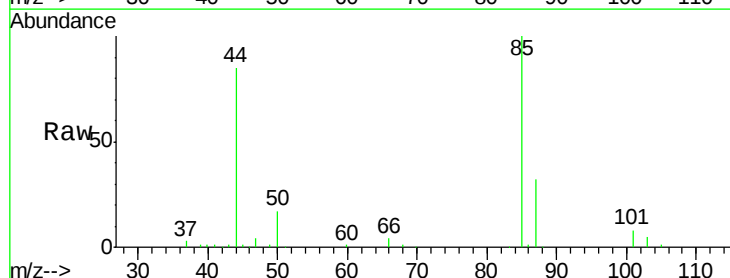
Acq: 25 Jun 2018 1:18

Tgt Ion: 85 Resp: 371110

Ion Ratio Lower Upper

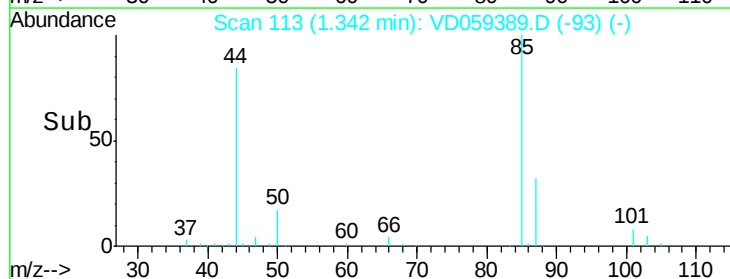
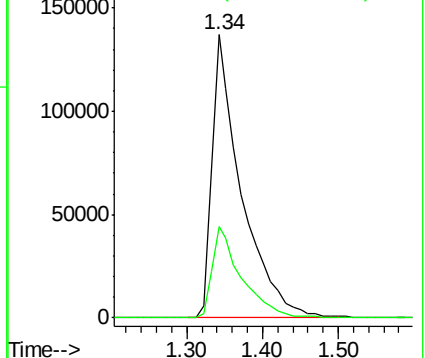
85 100

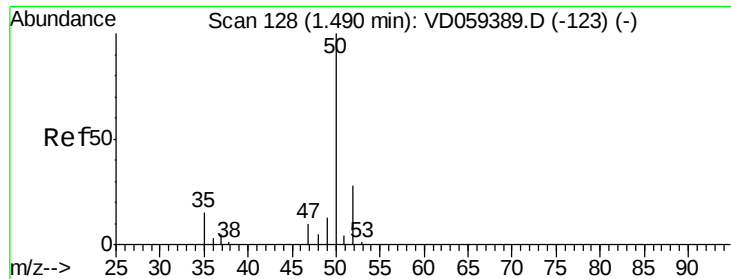
87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.70 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

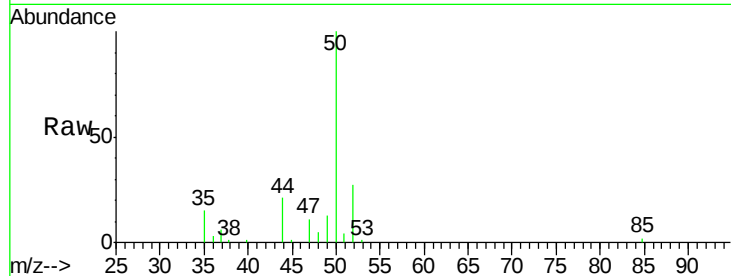
VSTDICCC050

Tot Ion: 50 Resp: 187636

Ion Ratio Lower Upper

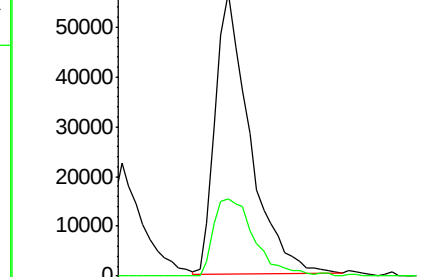
50 100

52 27.3 21.8 32.8

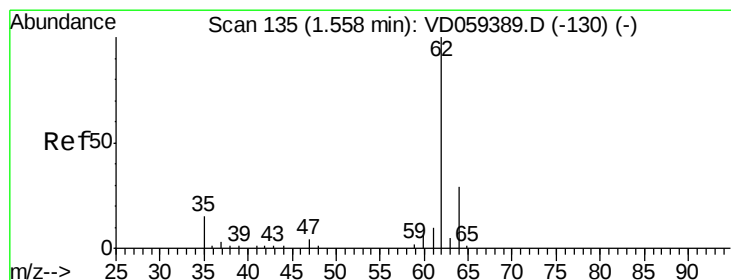
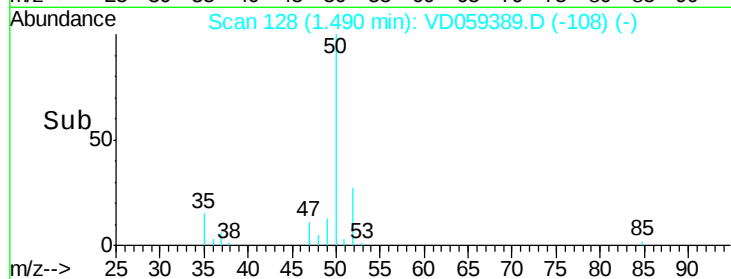


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 44.79 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD059389.D

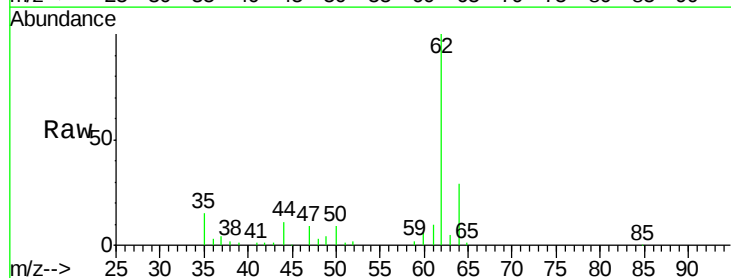
Acq: 25 Jun 2018 1:18

Tgt Ion: 62 Resp: 206126

Ion Ratio Lower Upper

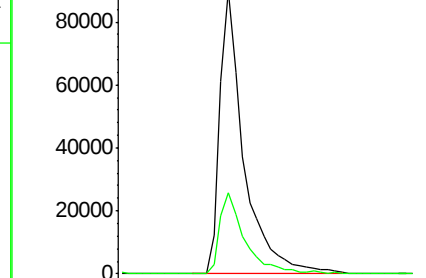
62 100

64 28.8 23.0 34.6

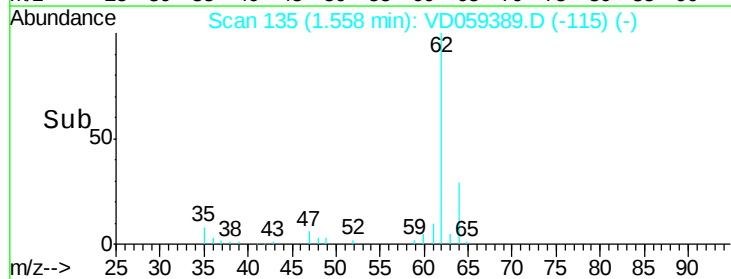


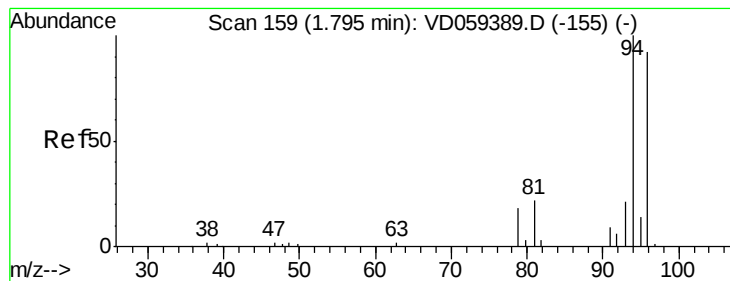
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 48.38 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

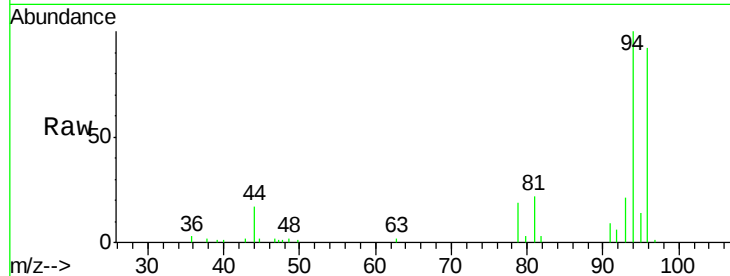
VSTDICCC050

Tot Ion: 94 Resp: 82376

Ion Ratio Lower Upper

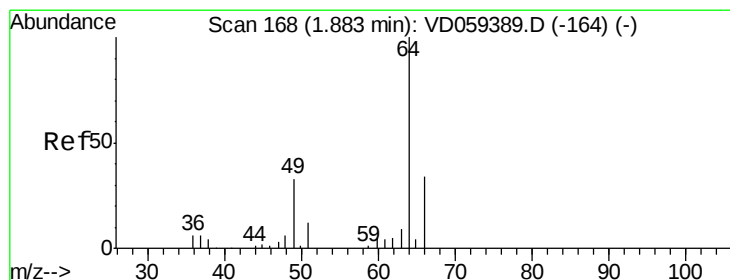
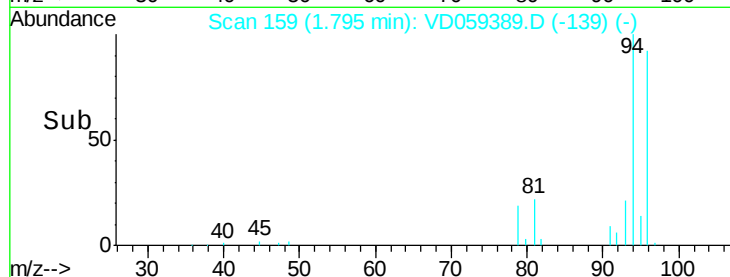
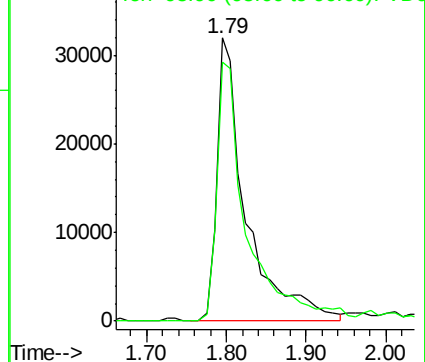
94 100

96 91.7 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.86 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD059389.D

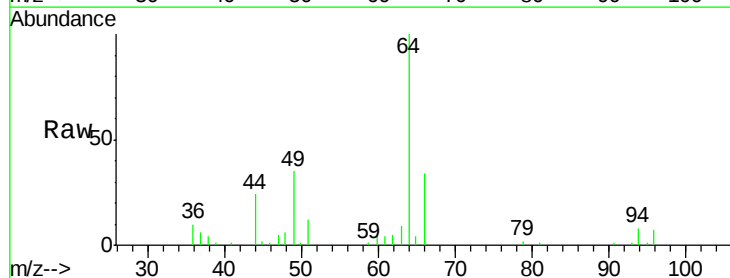
Acq: 25 Jun 2018 1:18

Tgt Ion: 64 Resp: 96427

Ion Ratio Lower Upper

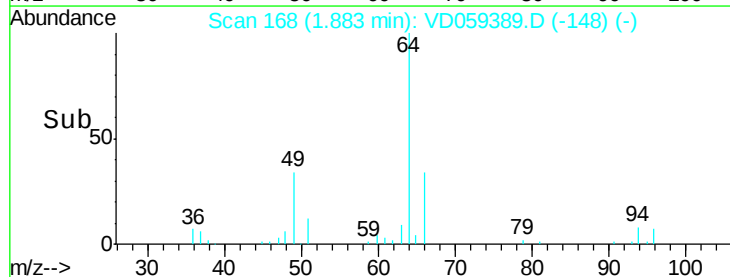
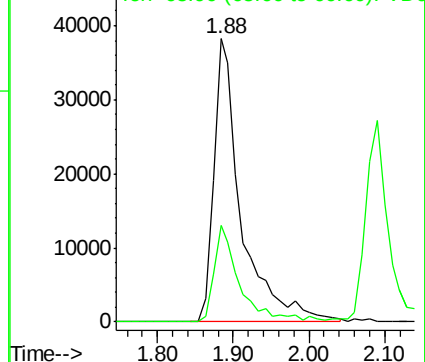
64 100

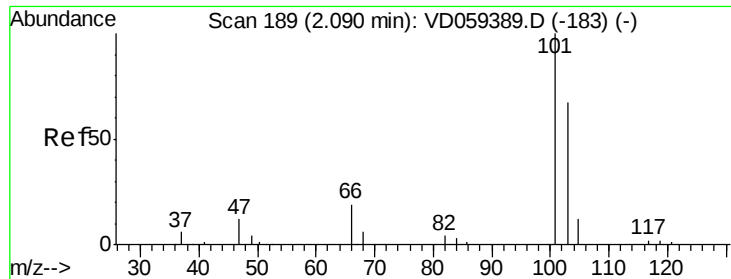
66 33.9 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 49.20 ug/l

RT: 2.09 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

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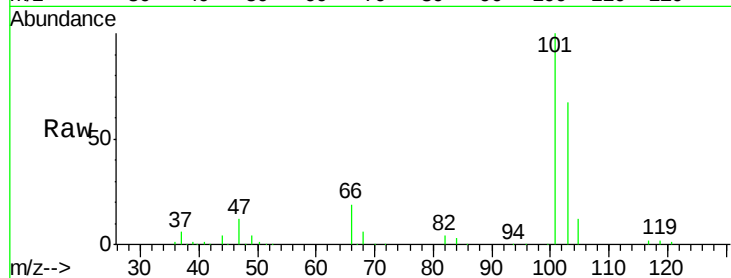
VSTDICCC050

Tot Ion:101 Resp: 316810

Ion Ratio Lower Upper

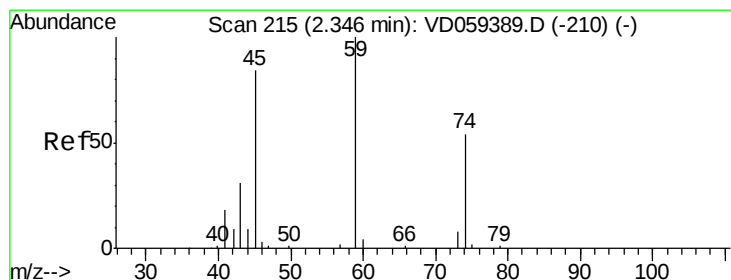
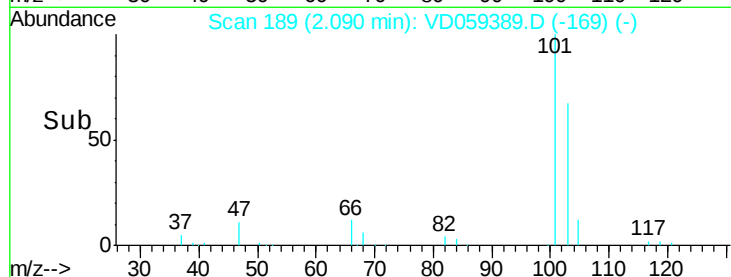
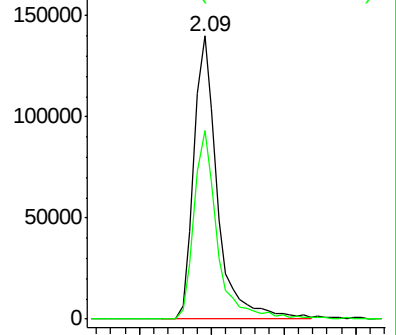
101 100

103 66.7 53.4 80.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 51.12 ug/l

RT: 2.35 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD059389.D

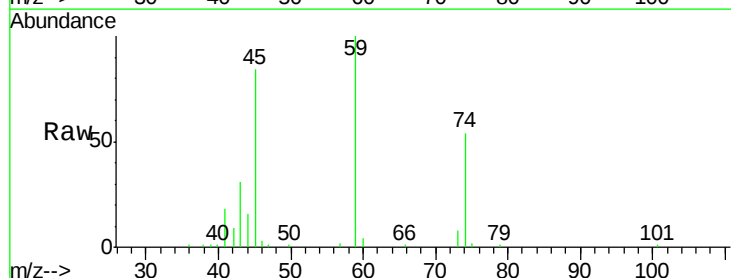
Acq: 25 Jun 2018 1:18

Tgt Ion: 74 Resp: 69086

Ion Ratio Lower Upper

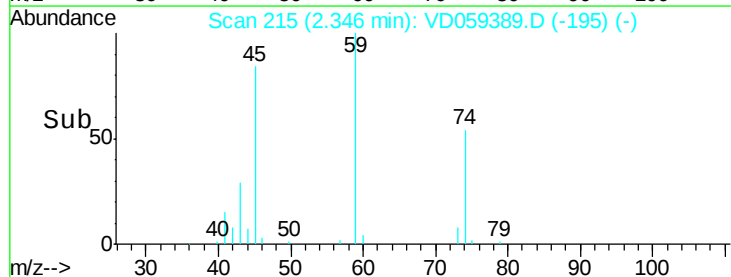
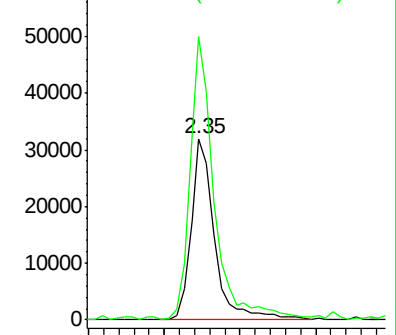
74 100

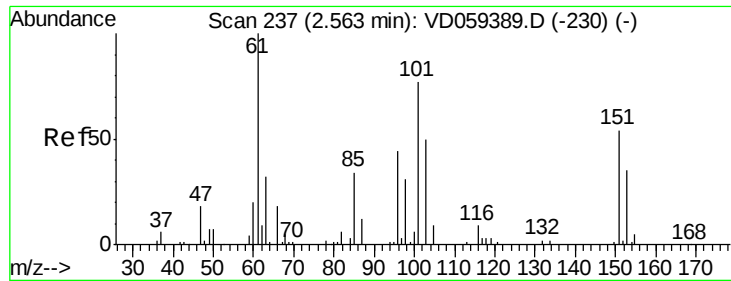
45 155.9 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.59 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

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VSTDICCC050

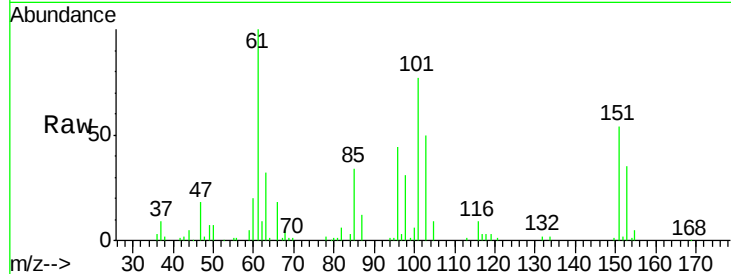
Tot Ion:101 Resp: 192520

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

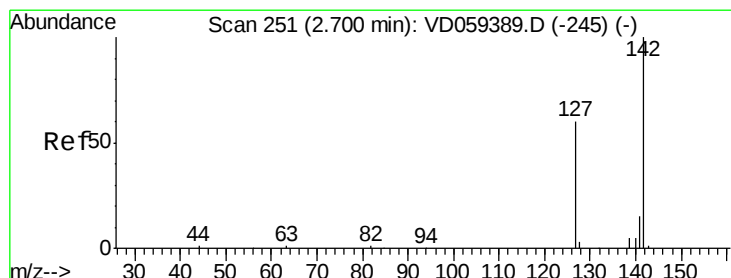
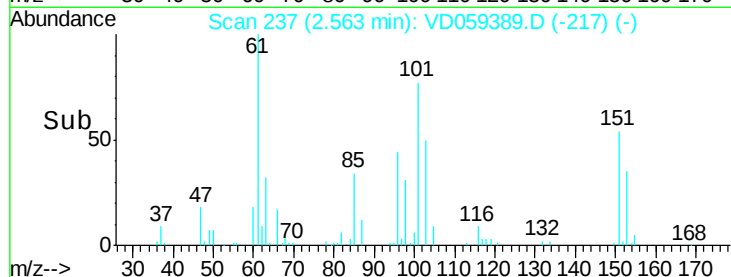
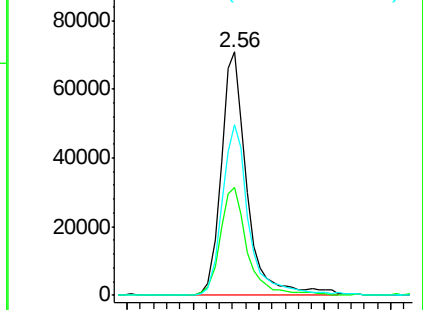
151 69.8 55.8 83.8



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: 52.67 ug/l

RT: 2.70 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

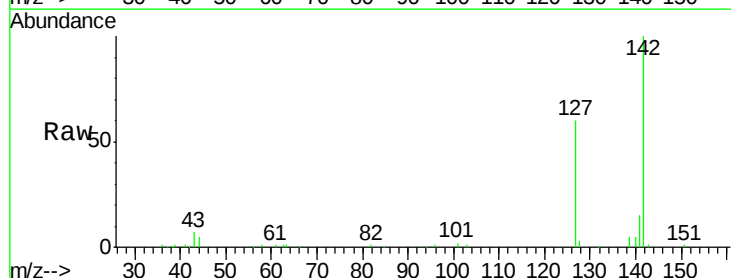
Tgt Ion:142 Resp: 244153

Ion Ratio Lower Upper

142 100

127 60.5 48.4 72.6

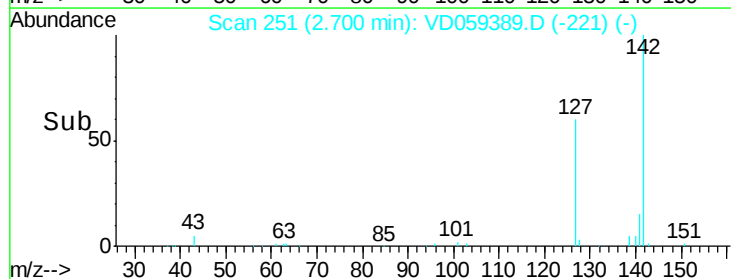
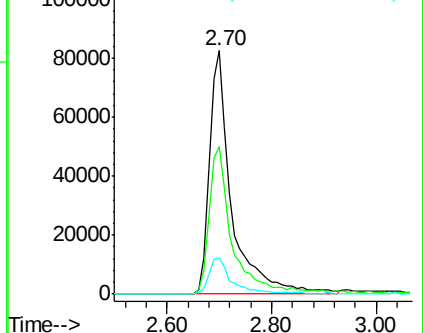
141 15.1 12.1 18.1

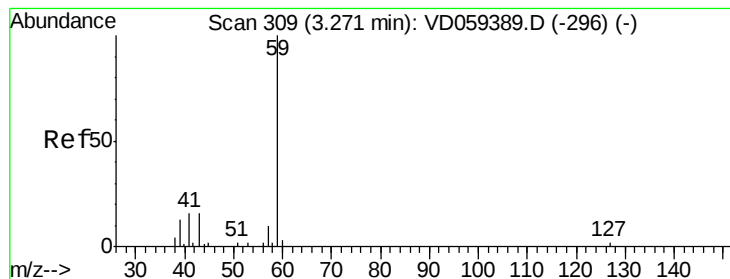


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



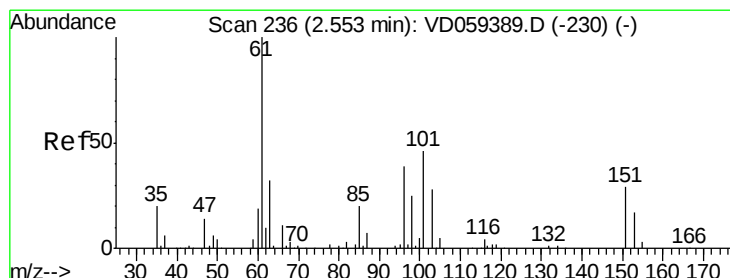
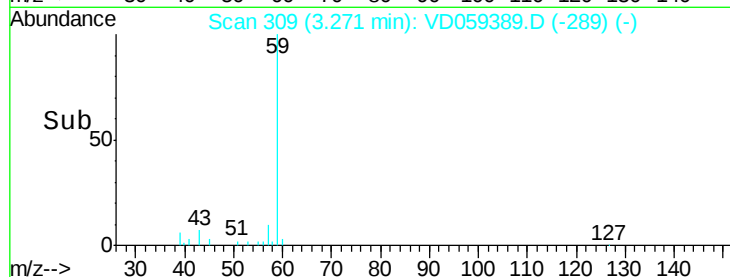
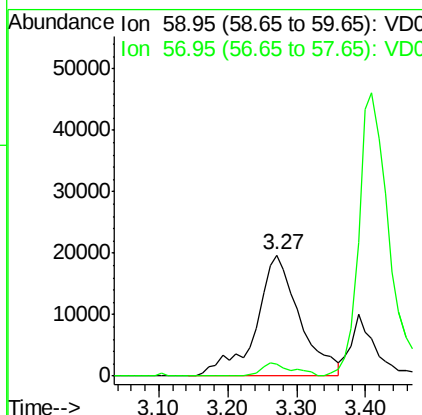
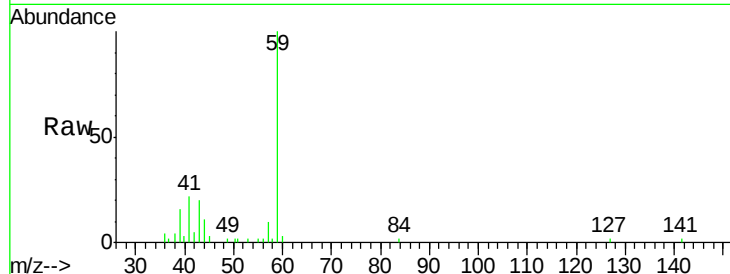


#11

Tert butyl alcohol
 Concen: 286.80 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

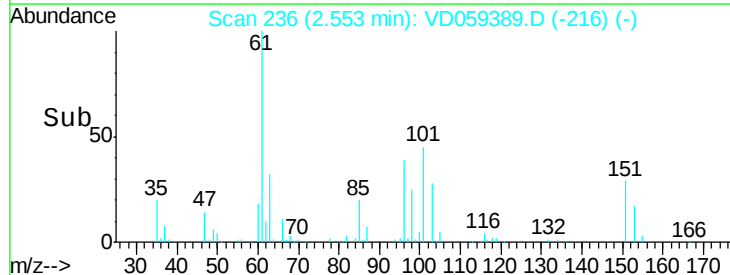
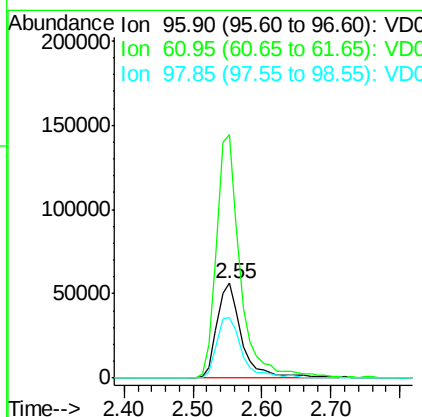
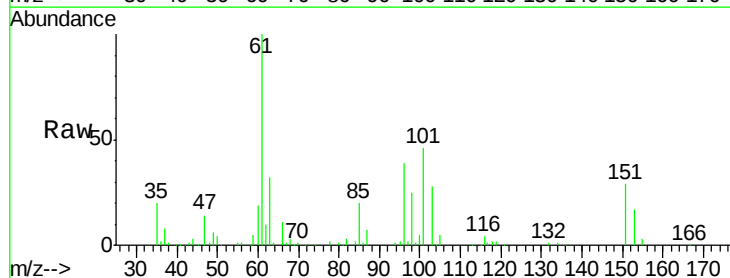
Tot Ion: 59 Resp: 86960
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

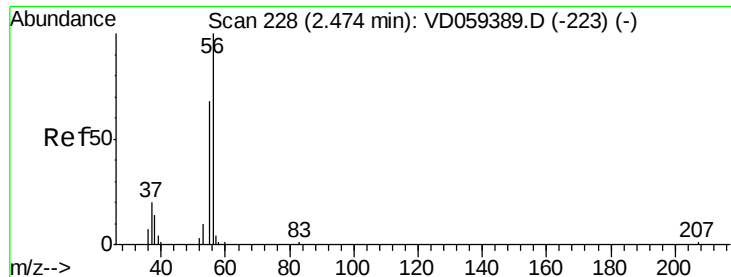


#12

1,1-Dichloroethene
 Concen: 46.44 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 96 Resp: 140503
 Ion Ratio Lower Upper
 96 100
 61 256.7 205.4 308.0
 98 63.7 51.0 76.4





#13

Acrolein

Concen: 341.13 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

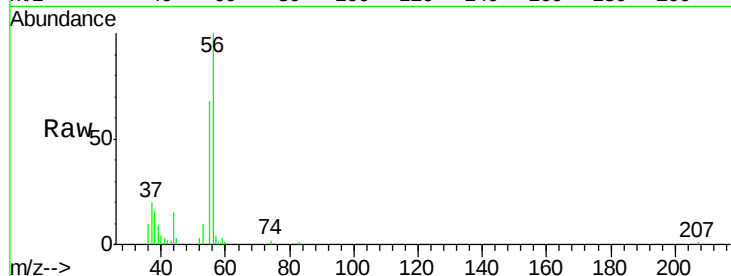
VSTDICCC050

Tot Ion: 56 Resp: 66154

Ion Ratio Lower Upper

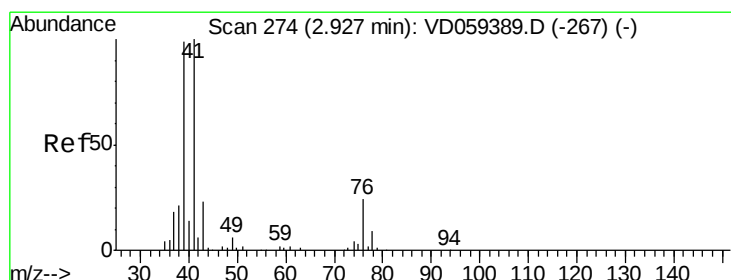
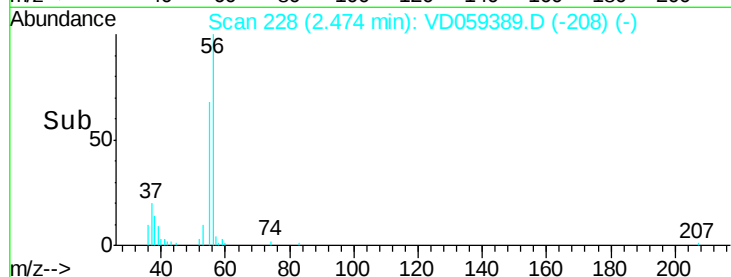
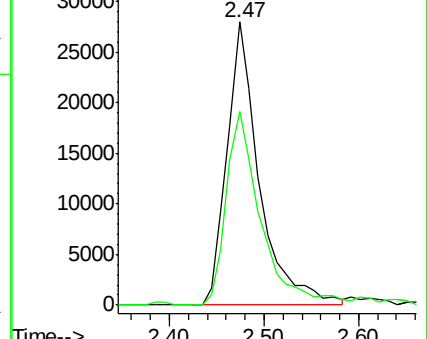
56 100

55 68.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.08 ug/l

RT: 2.93 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

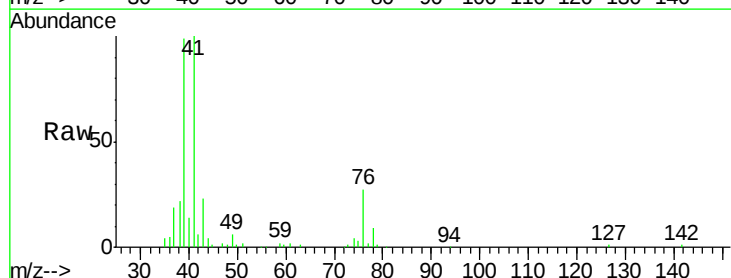
Tgt Ion: 41 Resp: 321981

Ion Ratio Lower Upper

41 100

39 98.9 79.1 118.7

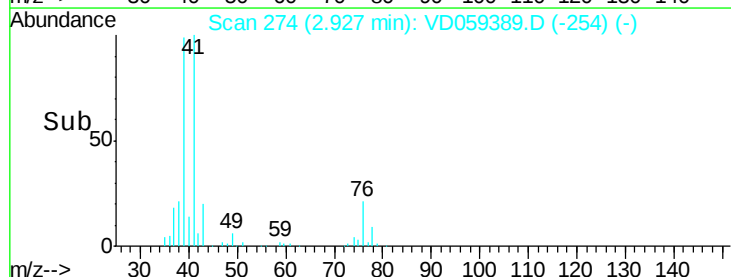
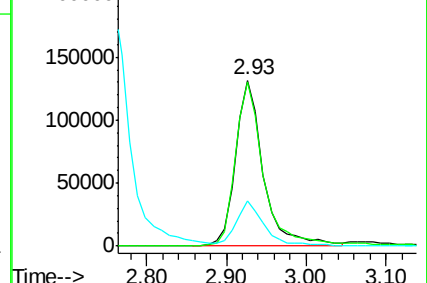
76 27.4 21.9 32.9

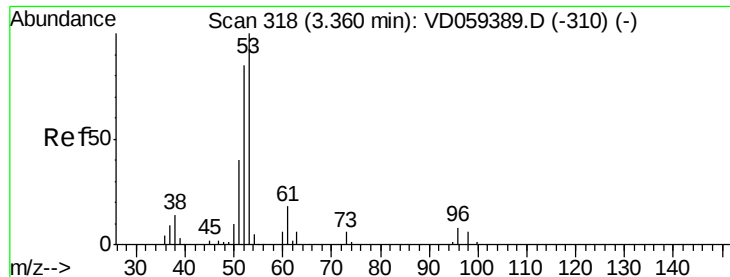


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 297.49 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

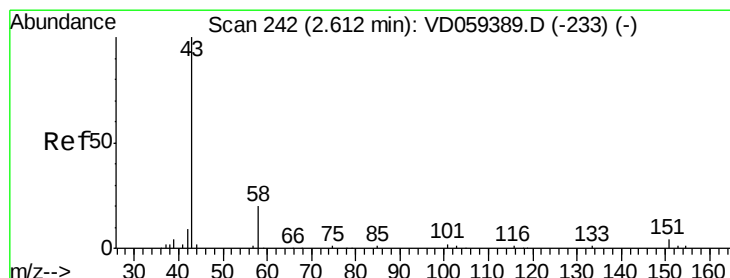
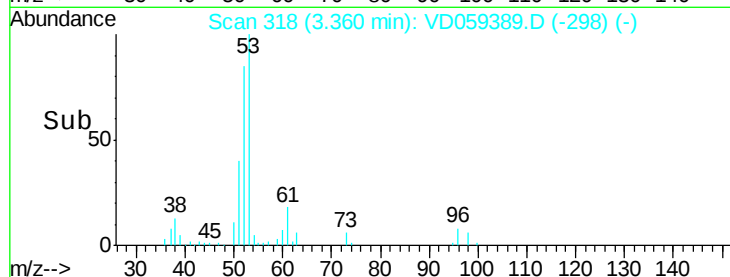
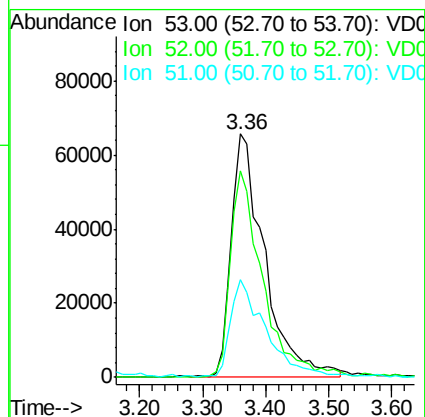
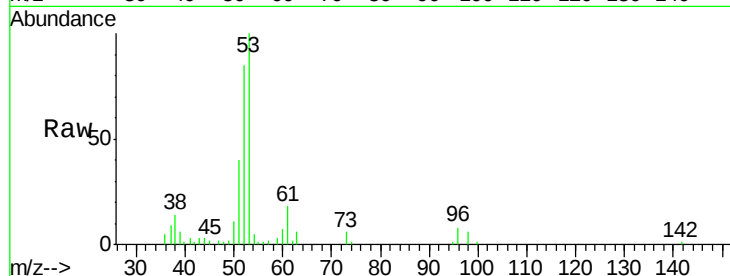
Tot Ion: 53 Resp: 240827

Ion Ratio Lower Upper

53 100

52 84.9 67.9 101.9

51 40.3 32.2 48.4



#16

Acetone

Concen: 230.74 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD059389.D

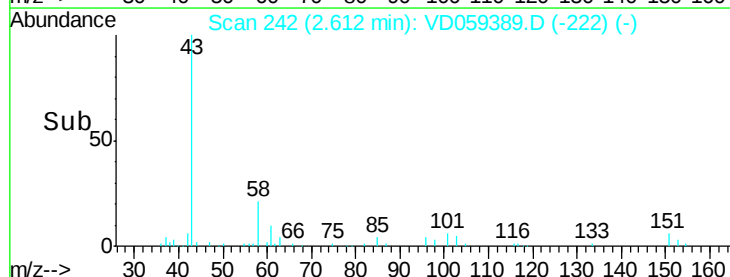
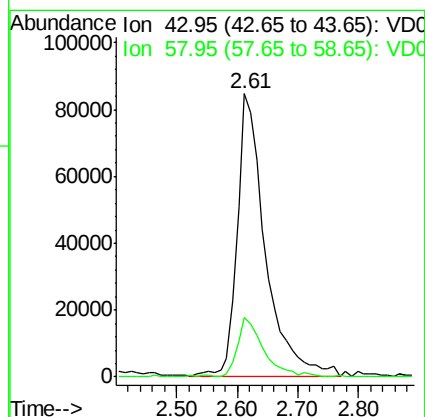
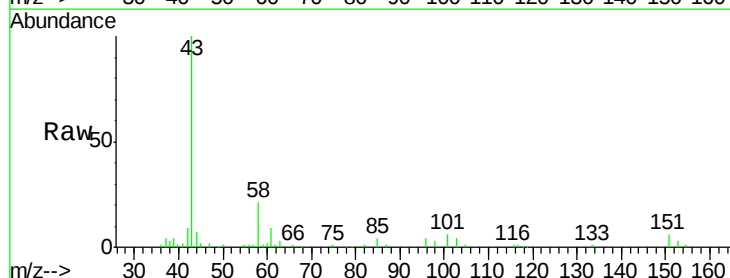
Acq: 25 Jun 2018 1:18

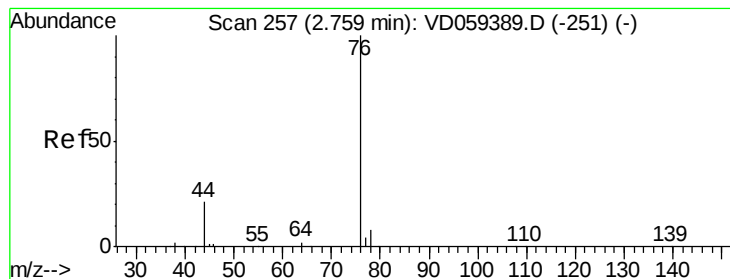
Tgt Ion: 43 Resp: 275827

Ion Ratio Lower Upper

43 100

58 21.0 16.8 25.2





#17

Carbon Disulfide

Concen: 42.51 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

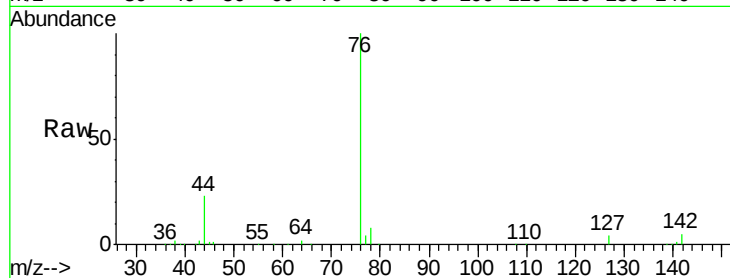
VSTDICCC050

Tot Ion: 76 Resp: 433363

Ion Ratio Lower Upper

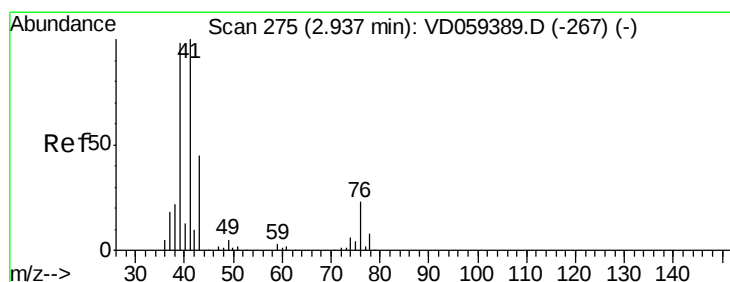
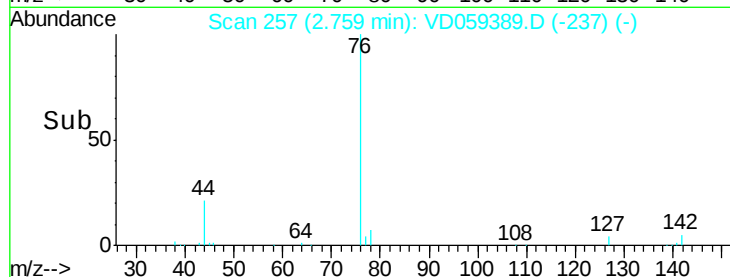
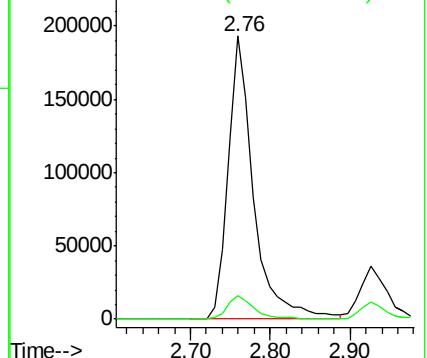
76 100

78 8.2 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: 50.40 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059389.D

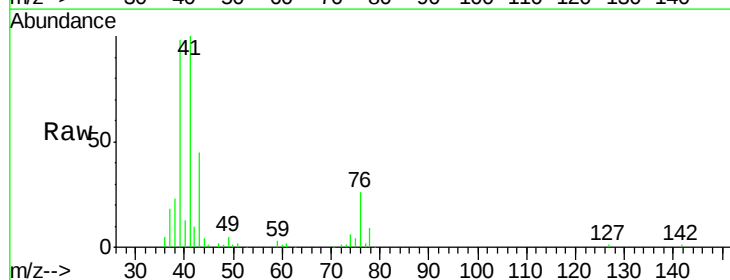
Acq: 25 Jun 2018 1:18

Tgt Ion: 43 Resp: 132331

Ion Ratio Lower Upper

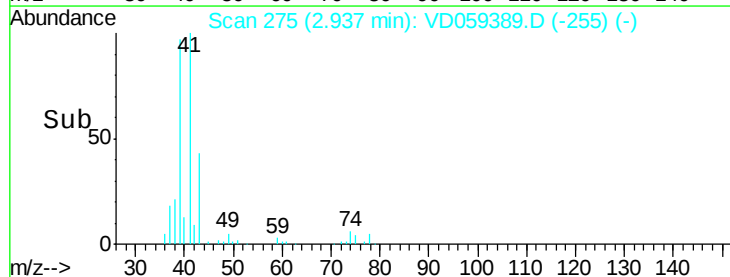
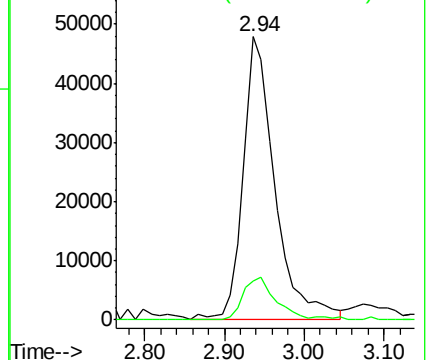
43 100

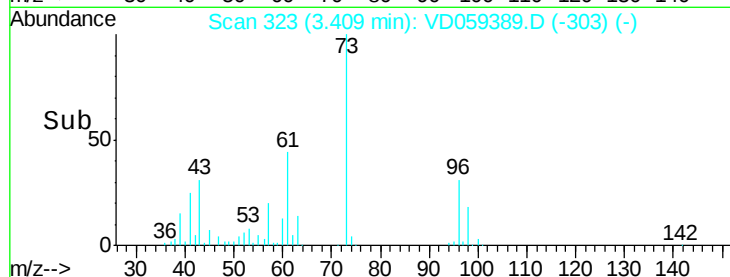
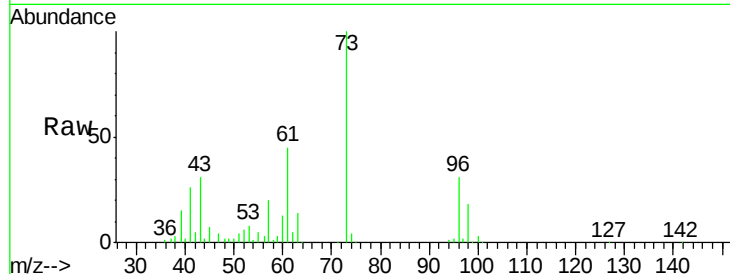
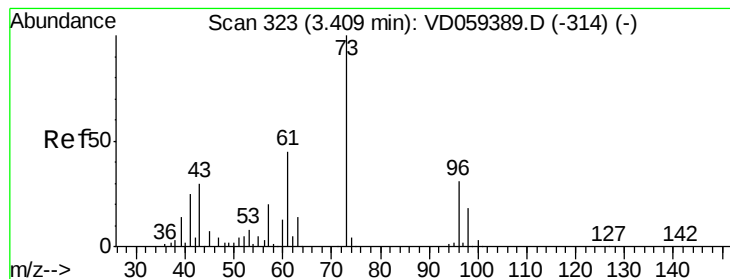
74 13.7 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



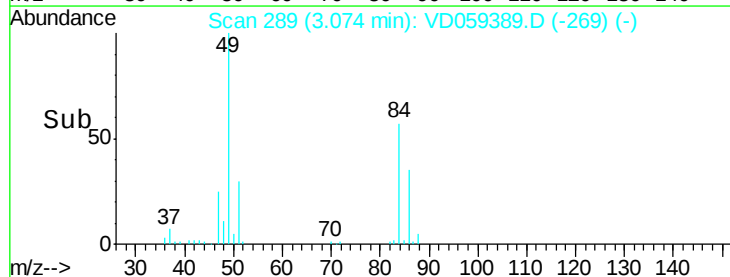
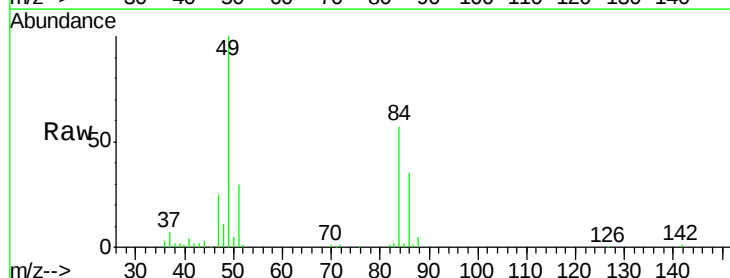
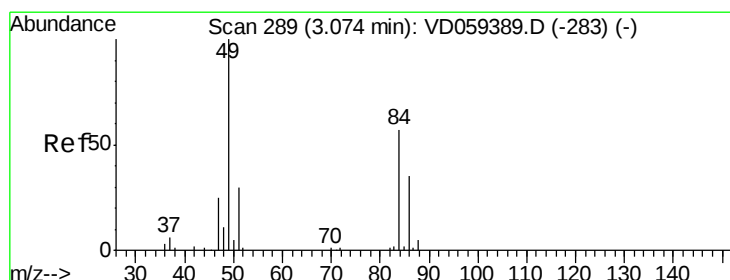
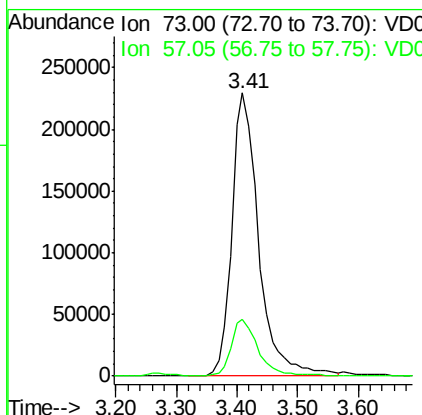


#19

Methyl tert-butyl Ether
Concen: 77.93 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

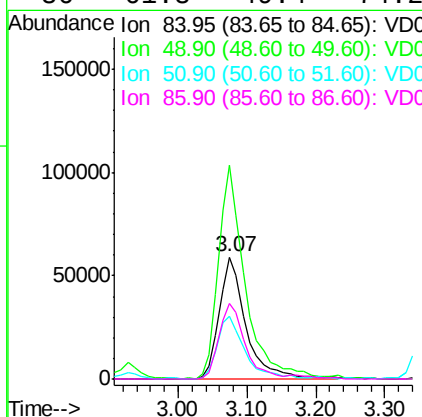
Tot Ion: 73 Resp: 707198
Ion Ratio Lower Upper
73 100
57 20.1 16.1 24.1

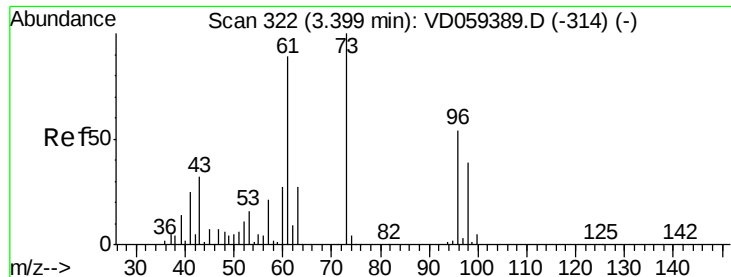


#20

Methylene Chloride
Concen: 41.84 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion: 84 Resp: 158662
Ion Ratio Lower Upper
84 100
49 175.4 140.3 210.5
51 52.0 41.6 62.4
86 61.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 69.70 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

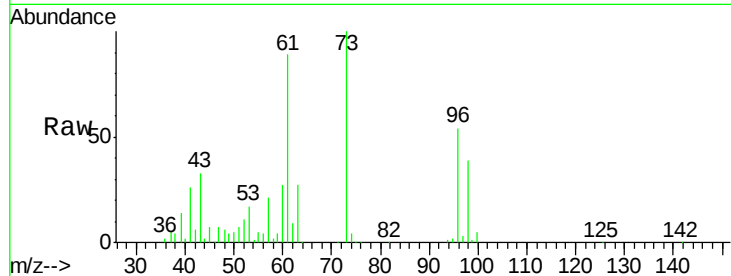
Tot Ion: 96 Resp: 255943

Ion Ratio Lower Upper

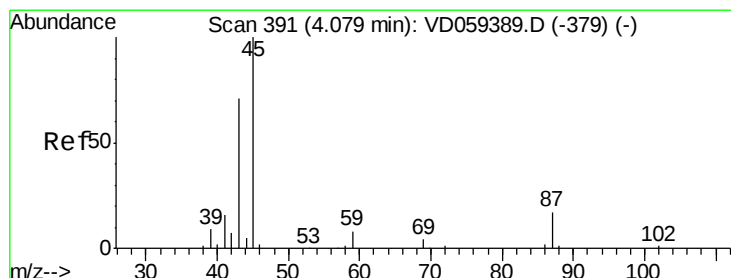
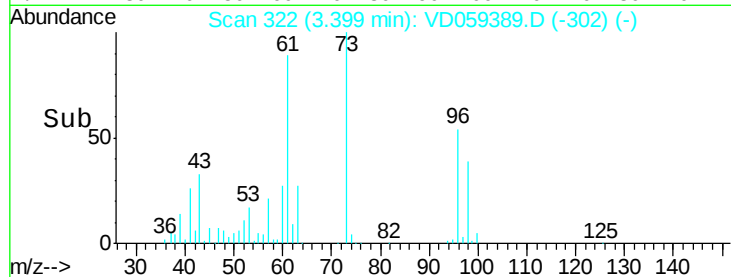
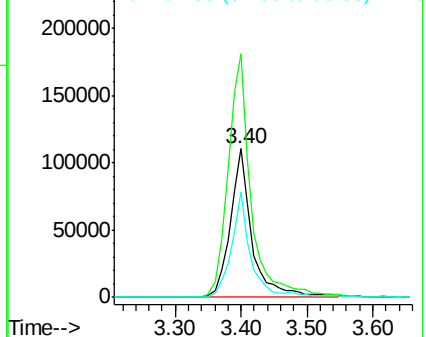
96 100

61 163.7 131.0 196.4

98 71.0 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: 44.24 ug/l

RT: 4.08 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Tgt Ion: 45 Resp: 1224957

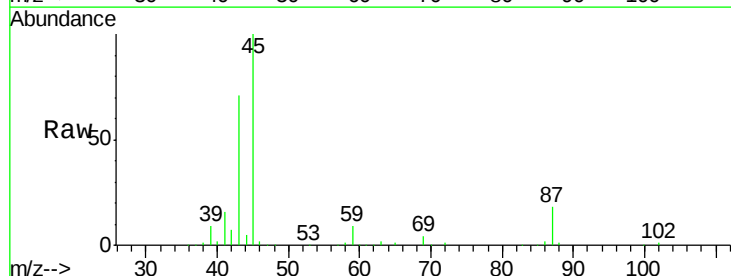
Ion Ratio Lower Upper

45 100

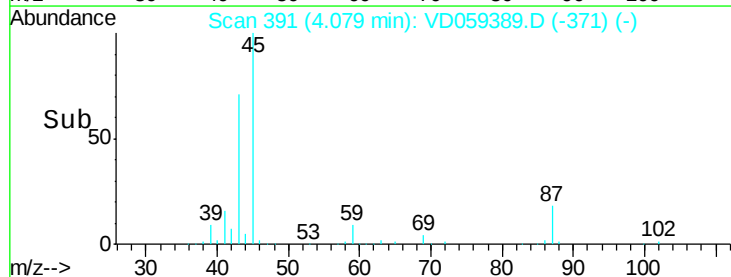
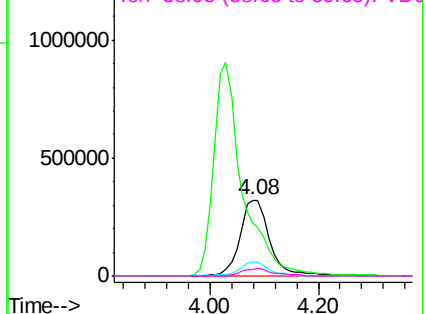
43 71.1 56.9 85.3

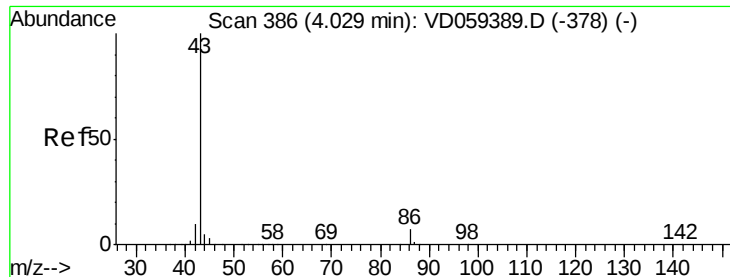
87 17.8 14.2 21.4

59 8.7 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: 227.18 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

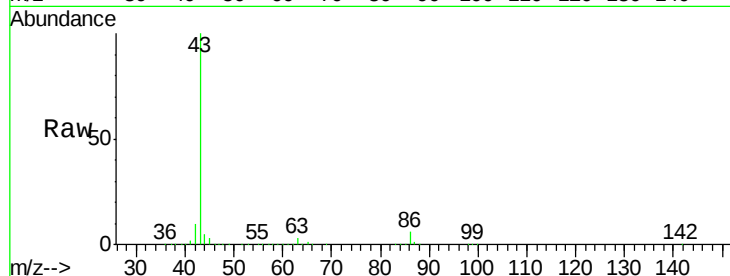
VSTDICCC050

Tot Ion: 43 Resp: 3338553

Ion Ratio Lower Upper

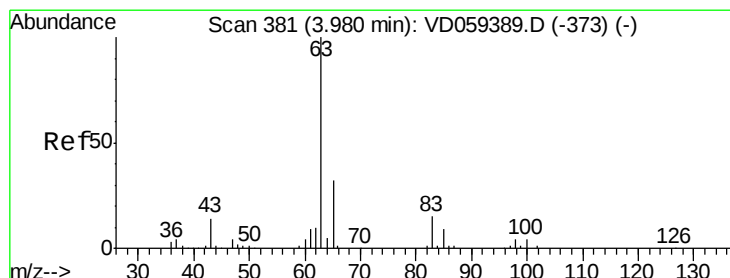
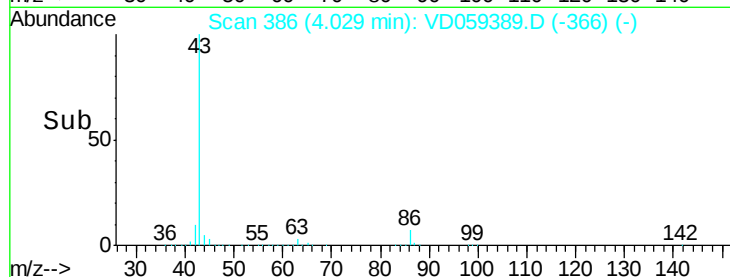
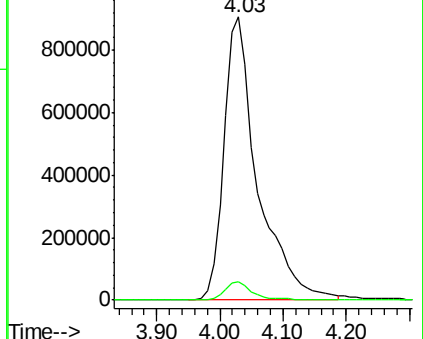
43 100

86 6.5 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.18 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

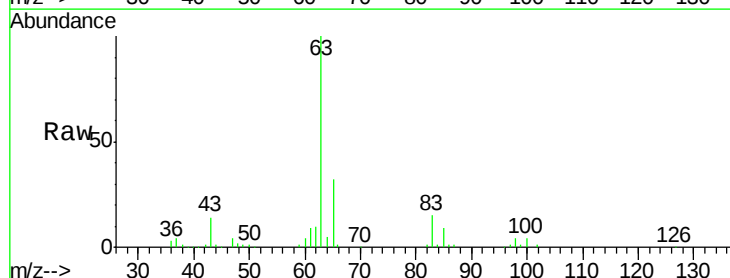
Tgt Ion: 63 Resp: 678265

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

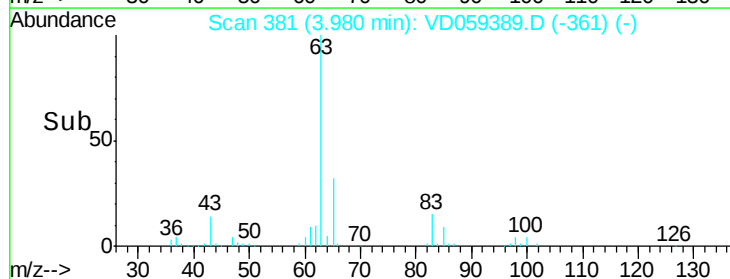
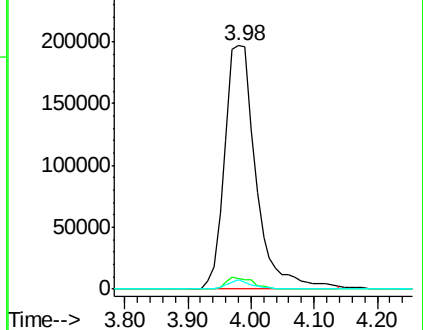
100 3.7 1.8 5.5

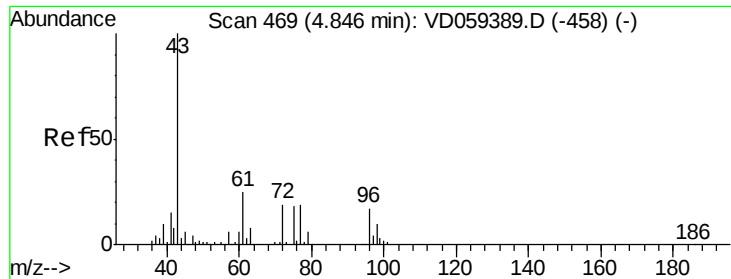


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

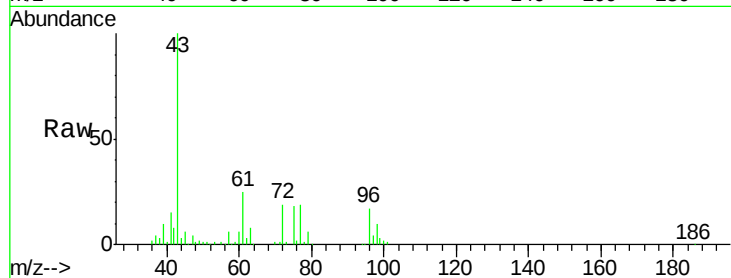




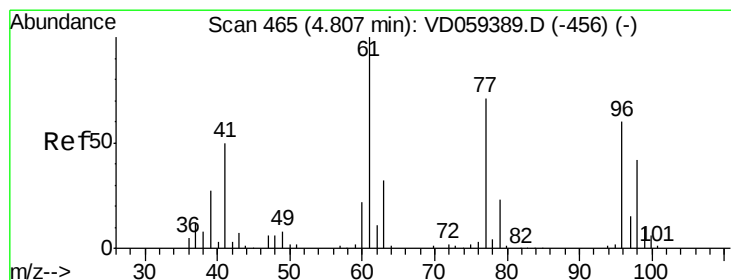
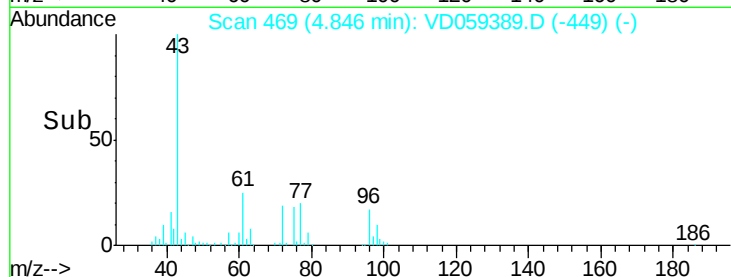
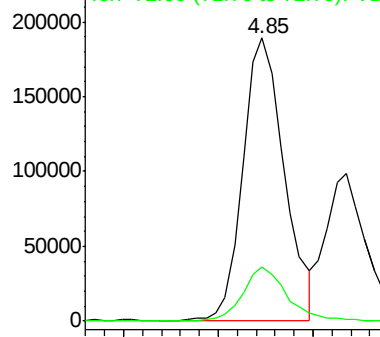
#25
2-Butanone
Concen: 221.38 ug/l
RT: 4.85 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 574910
Ion Ratio Lower Upper
43 100
72 19.3 15.4 23.2

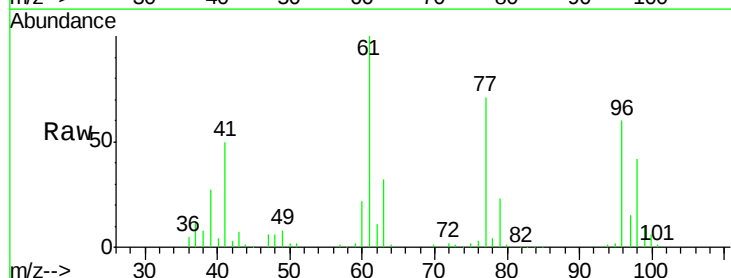


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

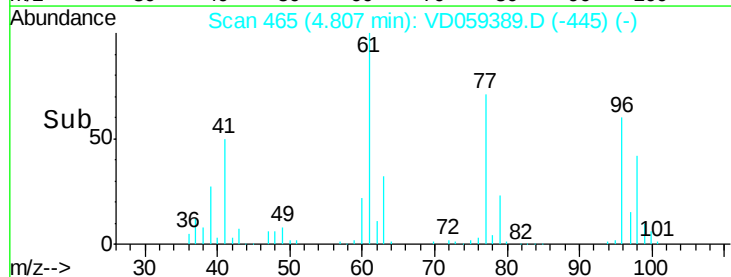
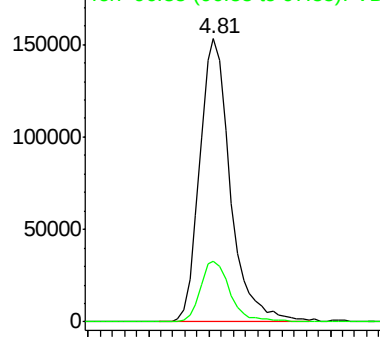


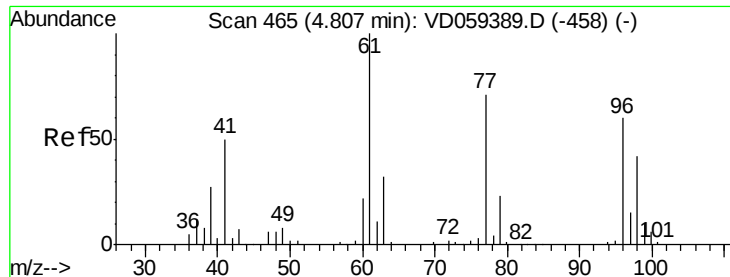
#26
2,2-Dichloropropane
Concen: 43.04 ug/l
RT: 4.81 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion: 77 Resp: 537737
Ion Ratio Lower Upper
77 100
97 21.4 10.7 32.1



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

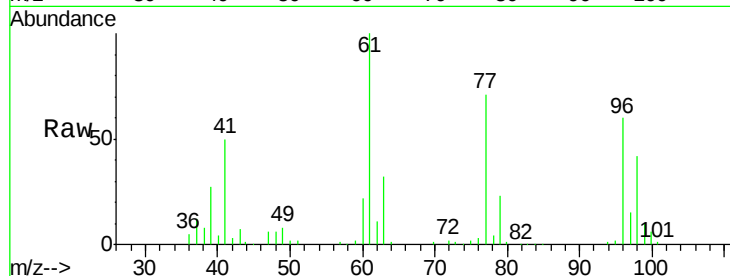




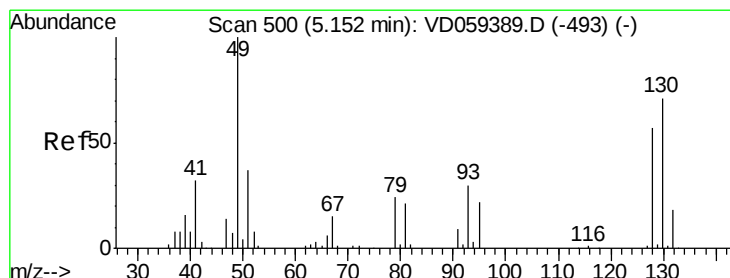
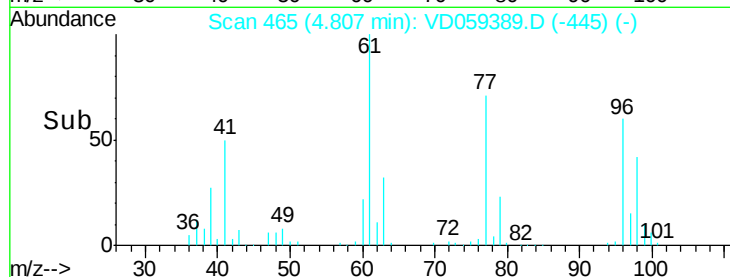
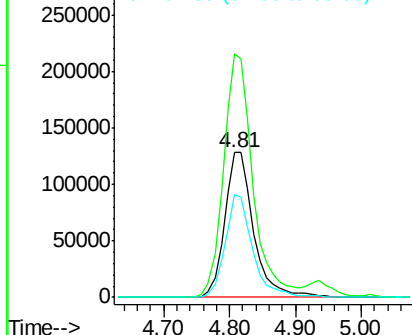
#27
 cis-1,2-Dichloroethene
 Concen: 47.43 ug/l
 RT: 4.81 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 394143
 Ion Ratio Lower Upper
 96 100
 61 167.9 0.0 335.8
 98 70.5 0.0 141.0

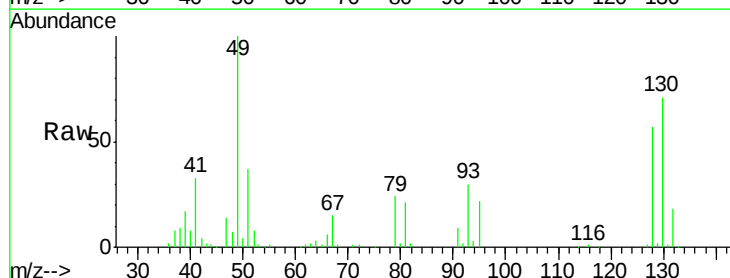


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

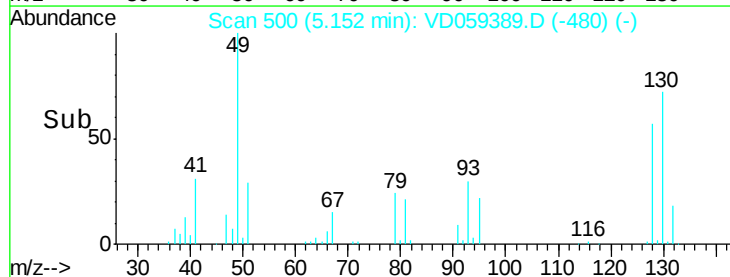
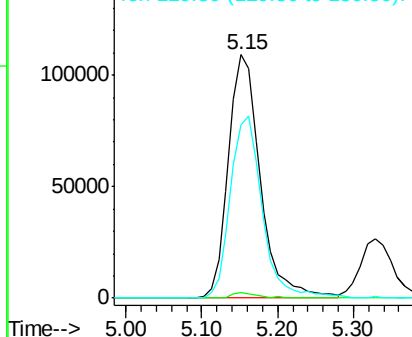


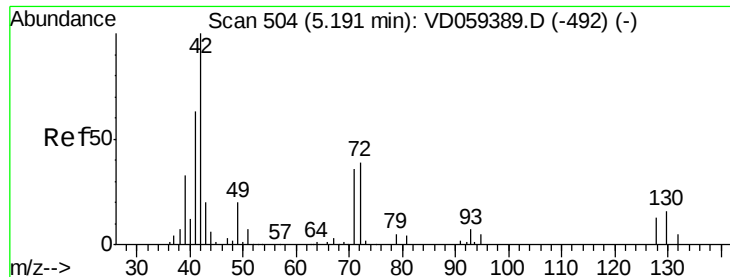
#28
 Bromochloromethane
 Concen: 47.70 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 49 Resp: 320074
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 71.3 57.0 85.6



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





#29

Tetrahydrofuran

Concen: 234.19 ug/l

RT: 5.19 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampled :

VSTDICCC050

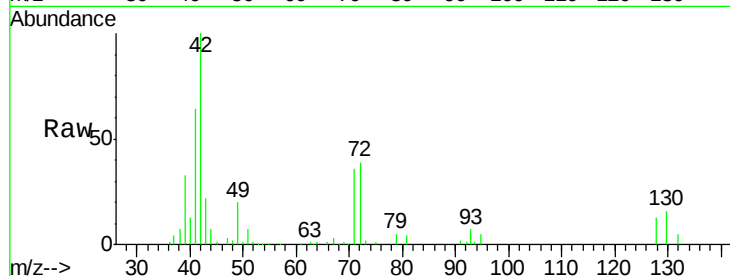
Tot Ion: 42 Resp: 323813

Ion Ratio Lower Upper

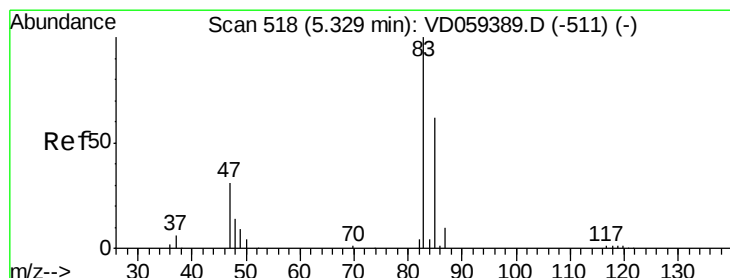
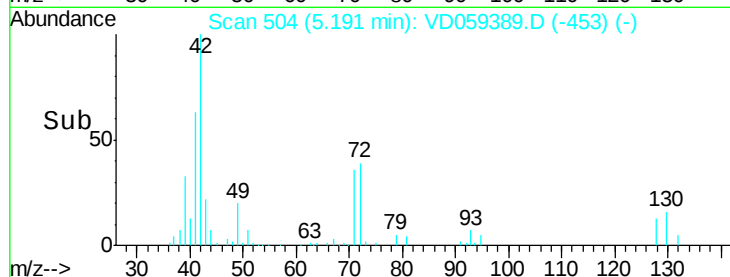
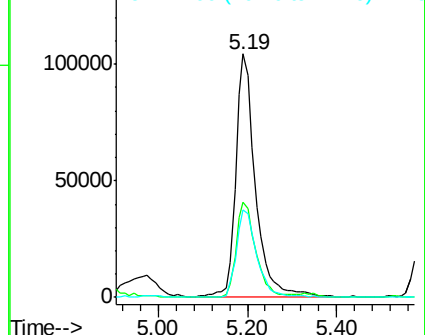
42 100

72 39.3 31.4 47.2

71 37.1 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: 47.33 ug/l

RT: 5.33 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD059389.D

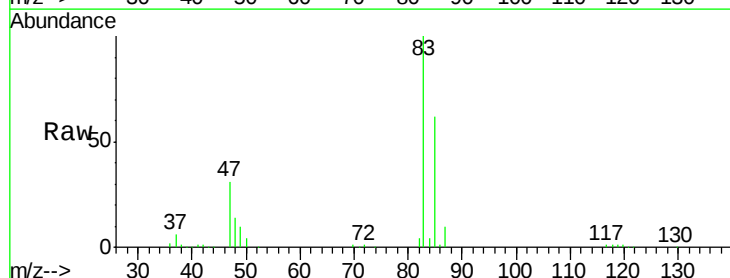
Acq: 25 Jun 2018 1:18

Tgt Ion: 83 Resp: 754868

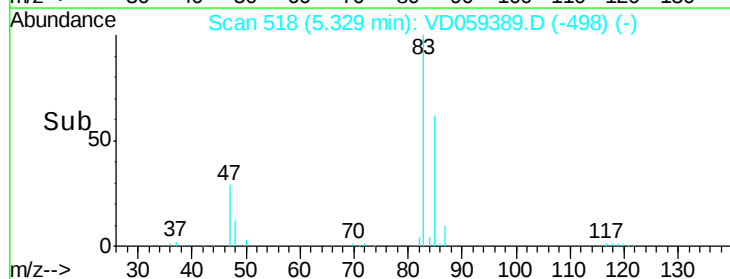
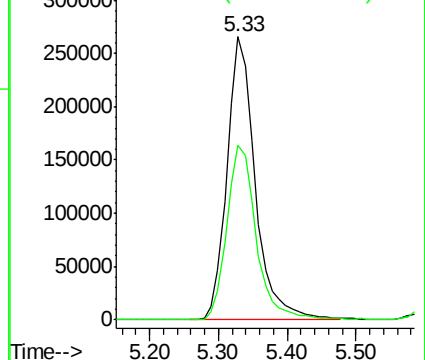
Ion Ratio Lower Upper

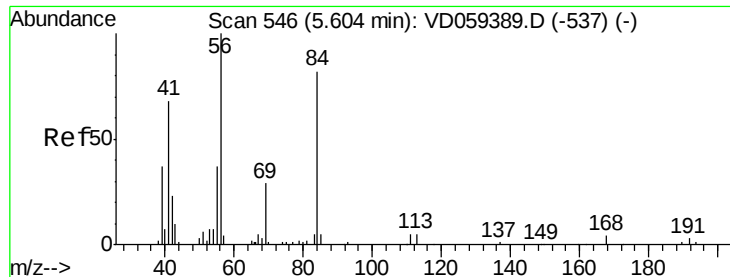
83 100

85 61.6 49.3 73.9



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

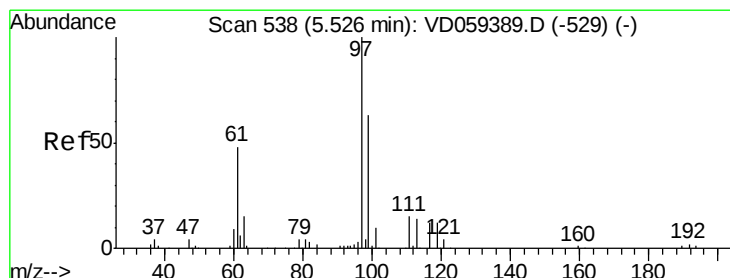
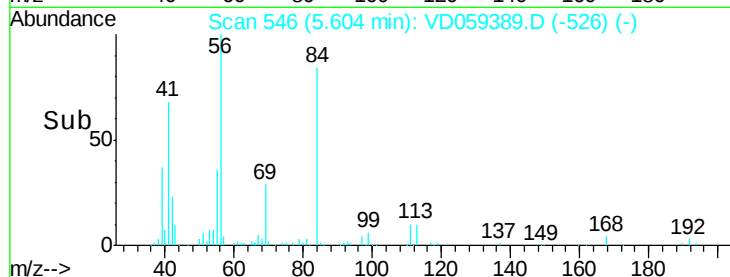
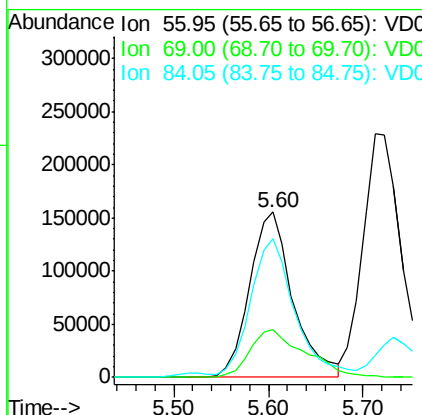
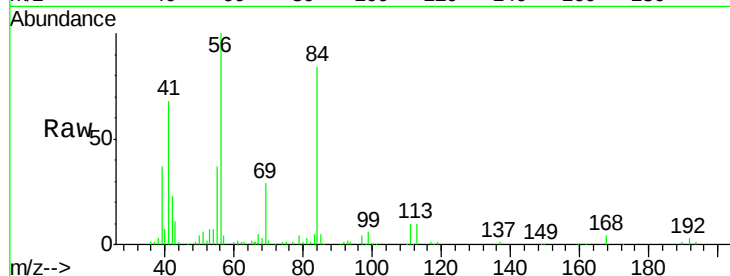




#31
Cyclohexane
Concen: 38.94 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

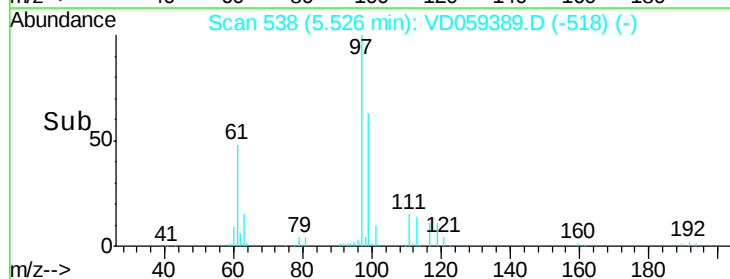
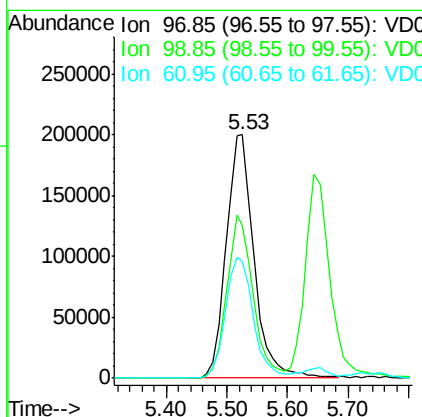
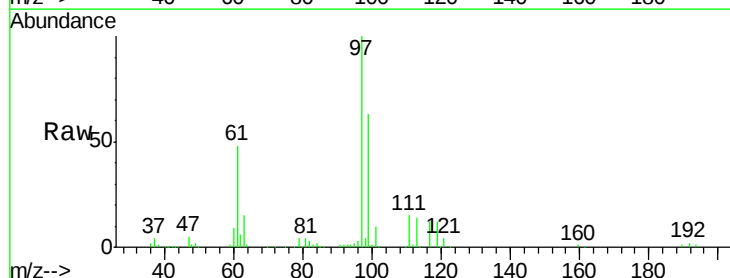
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

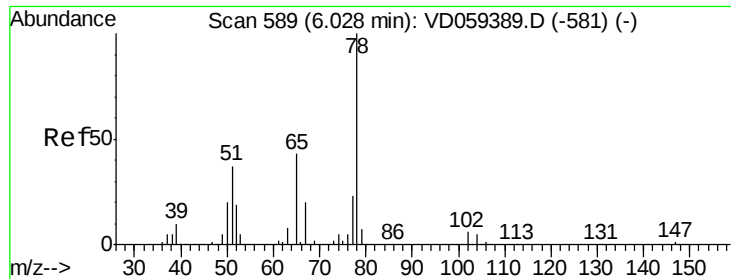
Tot Ion	56	Resp	494589
Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.9	34.3
84	84.1	67.3	100.9



#32
1,1,1-Trichloroethane
Concen: 48.24 ug/l
RT: 5.53 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion	97	Resp	636169
Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.2	75.4
61	48.2	38.6	57.8

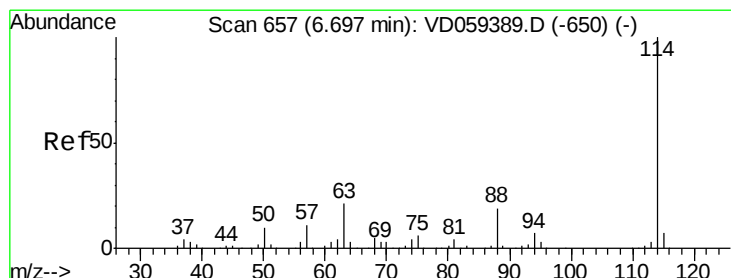
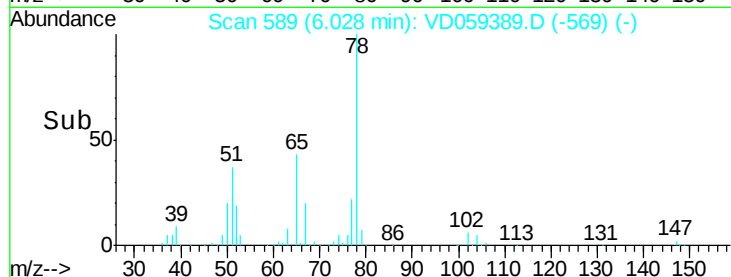
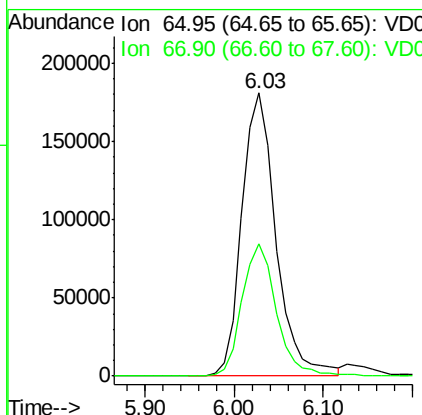
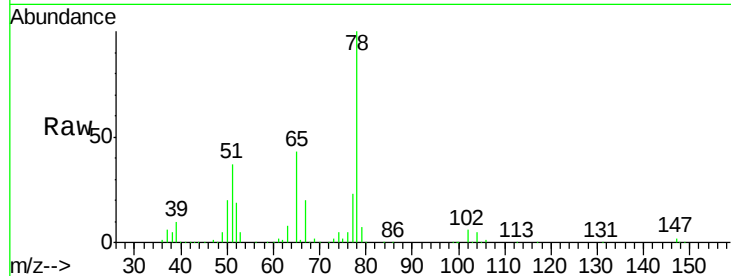




#33
 1,2-Dichloroethane-d4
 Concen: 48.24 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

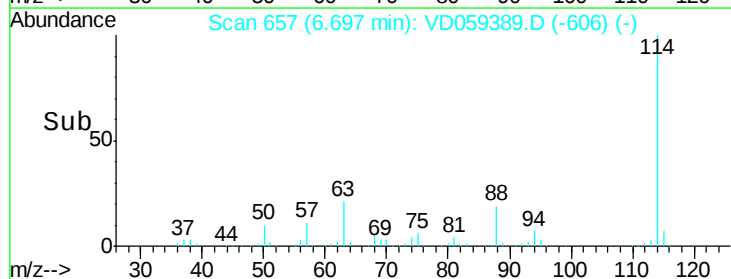
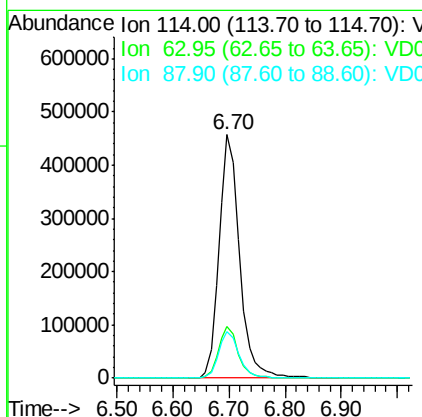
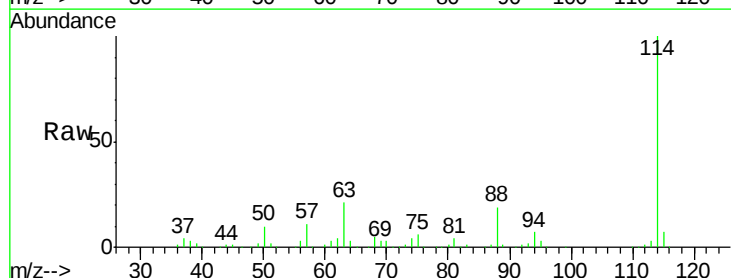
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

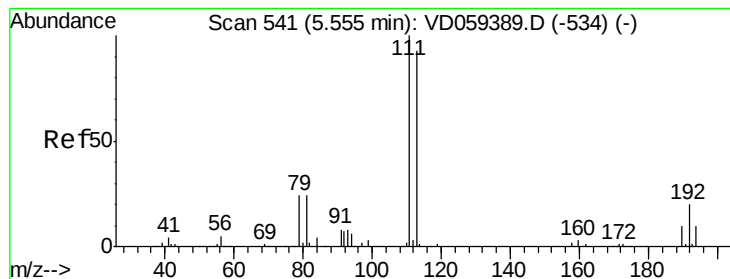
Tot Ion: 65 Resp: 481460
 Ion Ratio Lower Upper
 65 100
 67 46.9 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 114 Resp: 1165608
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 19.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

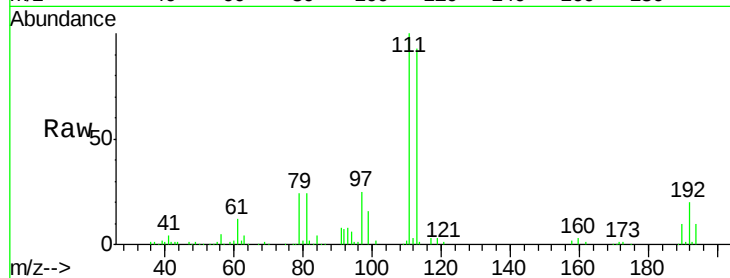
Tot Ion:113 Resp: 493616

Ion Ratio Lower Upper

113 100

111 107.1 85.7 128.5

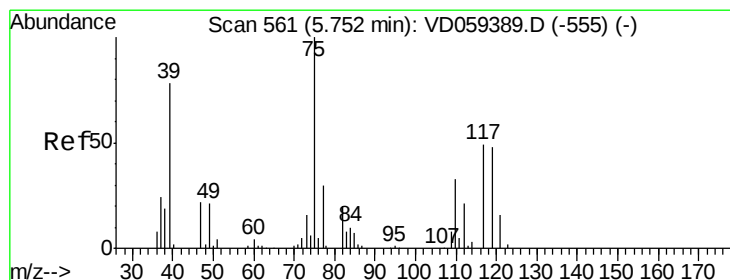
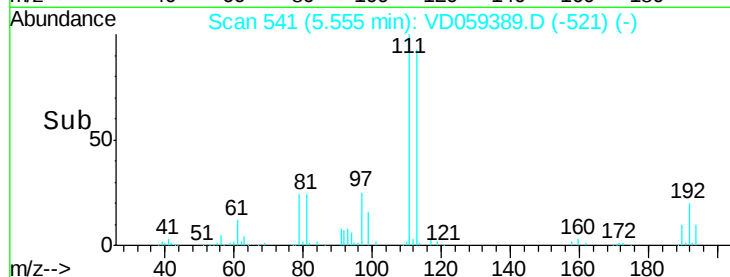
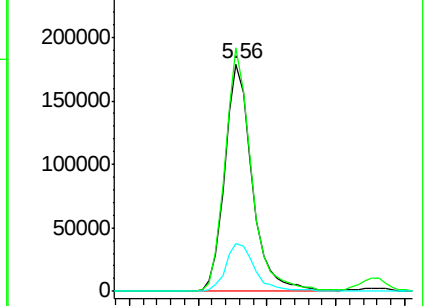
192 21.1 16.9 25.3



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: 44.17 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

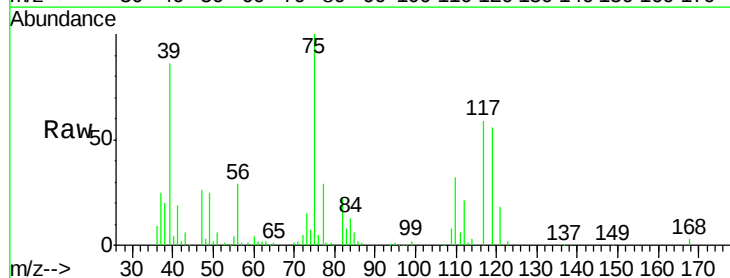
Tgt Ion: 75 Resp: 501306

Ion Ratio Lower Upper

75 100

110 32.1 16.1 48.2

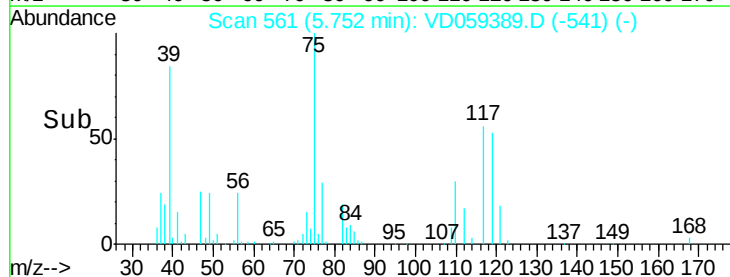
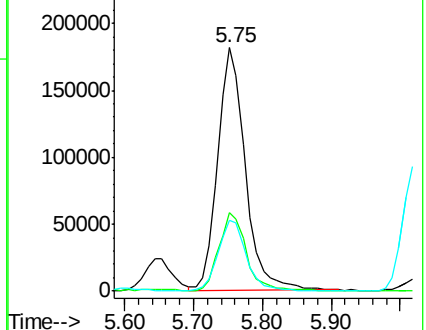
77 29.3 23.4 35.2

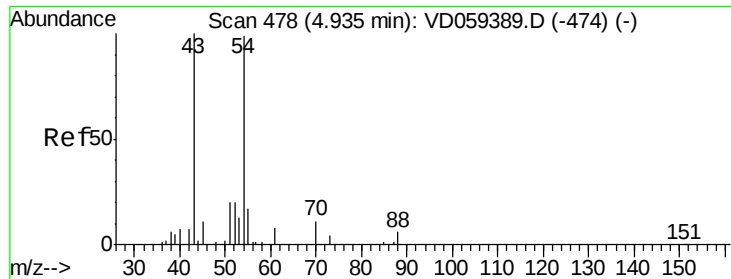


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

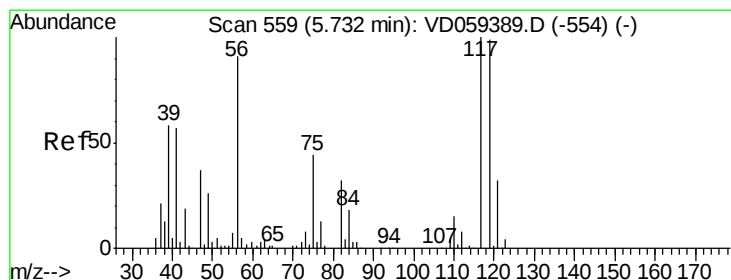
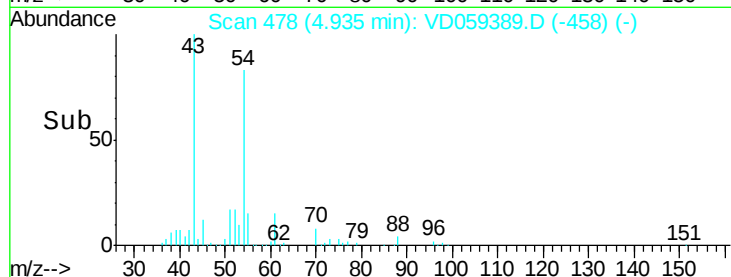
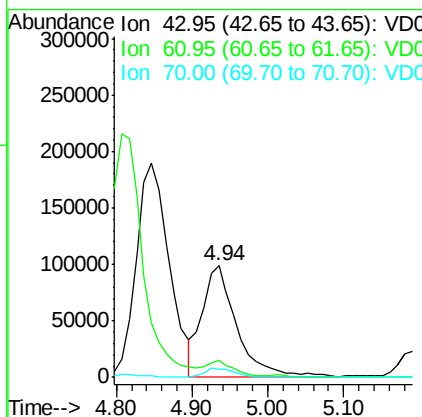
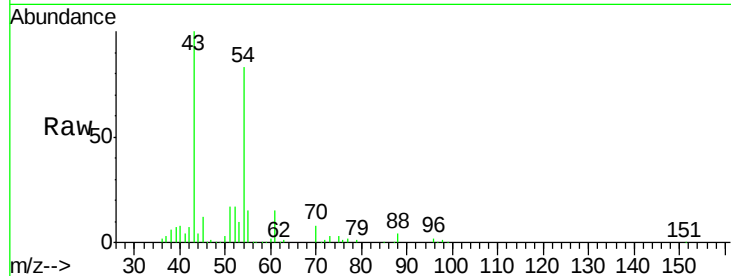




#37
Ethyl Acetate
Concen: 48.14 ug/l
RT: 4.94 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

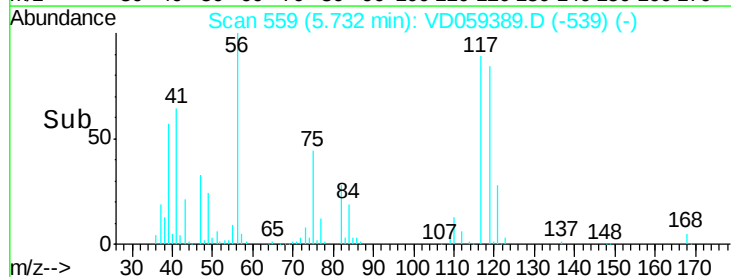
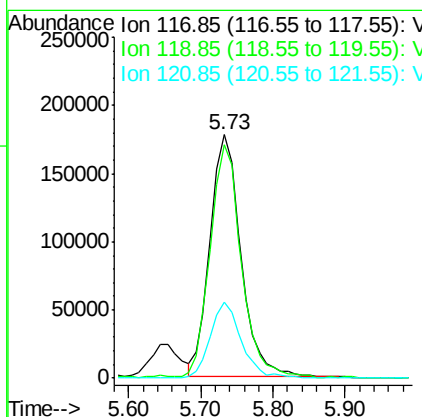
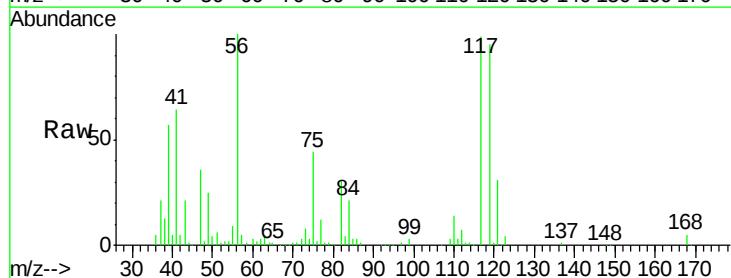
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

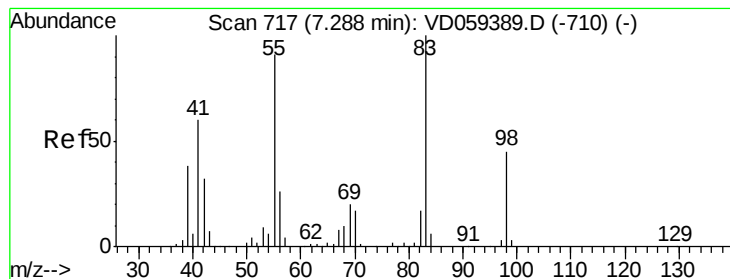
Tot Ion: 43 Resp: 308093
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 7.6 6.1 9.1



#38
Carbon Tetrachloride
Concen: 46.59 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion: 117 Resp: 526982
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0
121 31.2 25.0 37.4





#39

Methvlcvclohexane

Concen: 43.19 ug/l

RT: 7.29 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

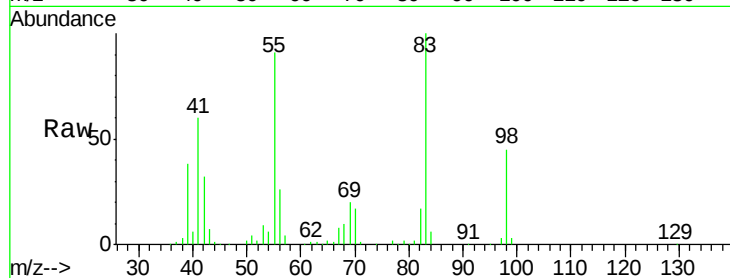
Tot Ion: 83 Resp: 475043

Ion Ratio Lower Upper

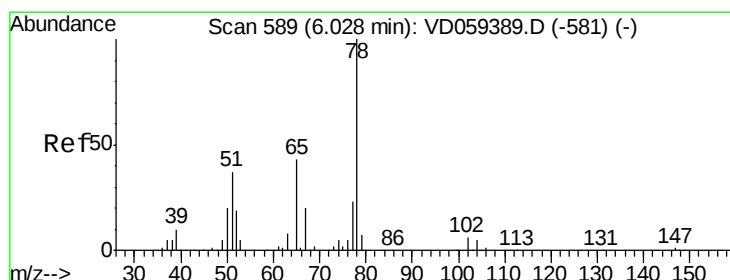
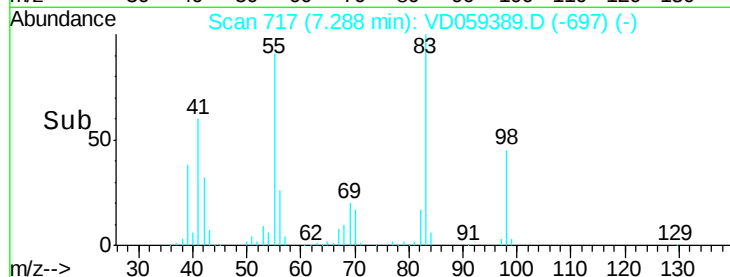
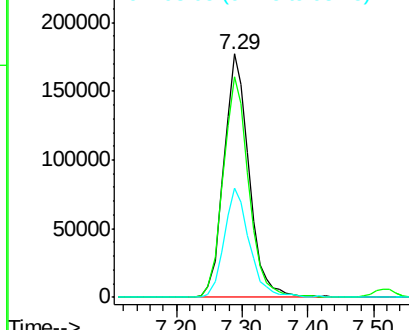
83 100

55 90.8 72.6 109.0

98 44.7 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: 44.88 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD059389.D

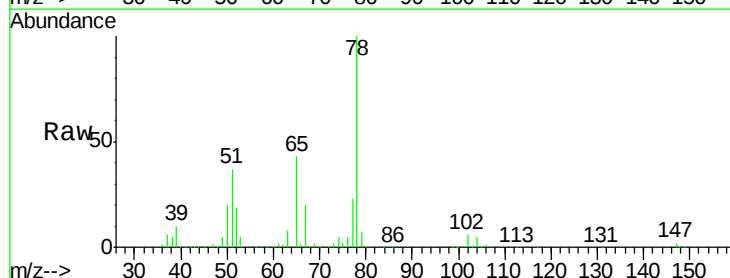
Acq: 25 Jun 2018 1:18

Tgt Ion: 78 Resp: 1218495

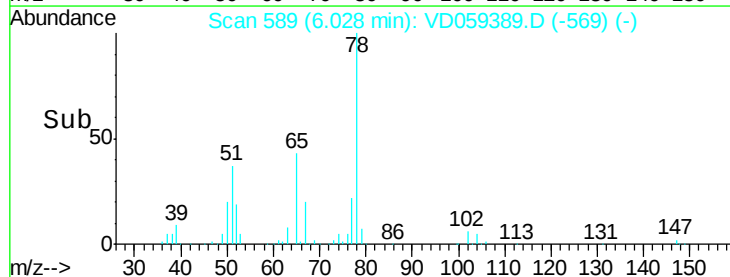
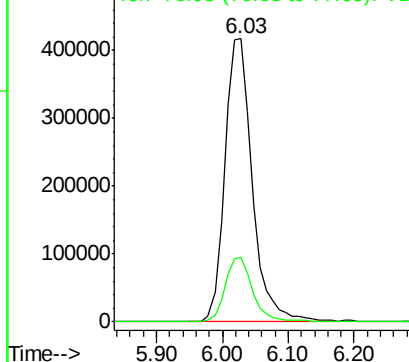
Ion Ratio Lower Upper

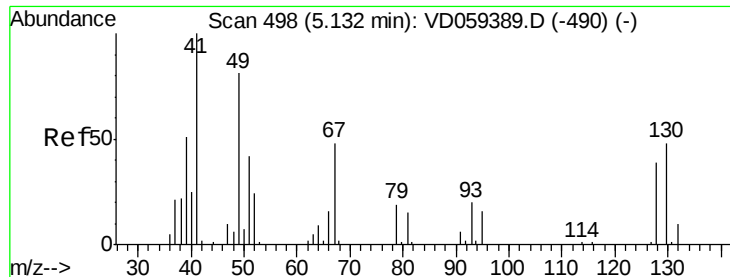
78 100

77 22.6 18.1 27.1



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

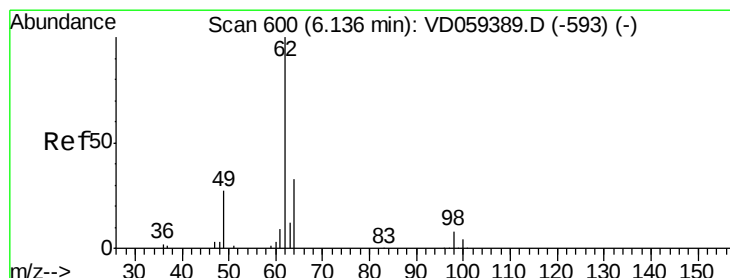
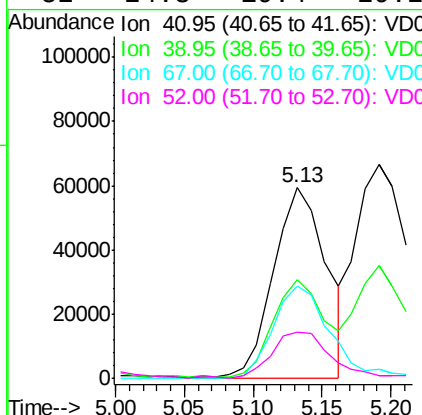
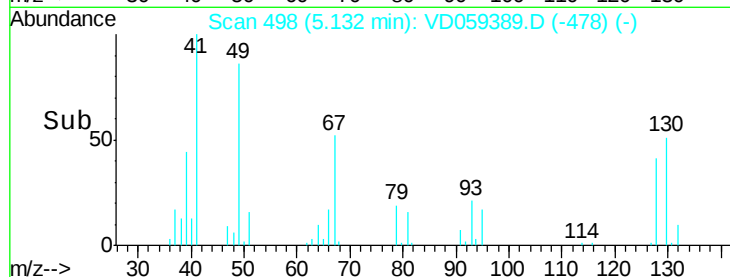
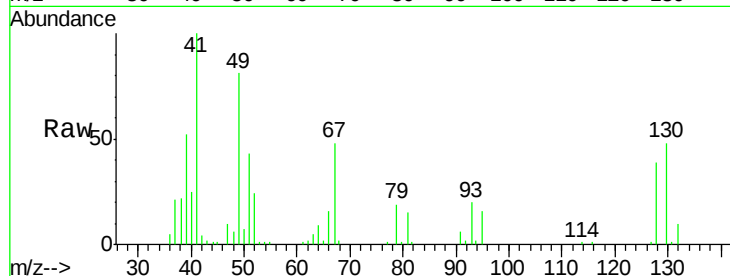




#41
Methacrylonitrile
Concen: 49.96 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

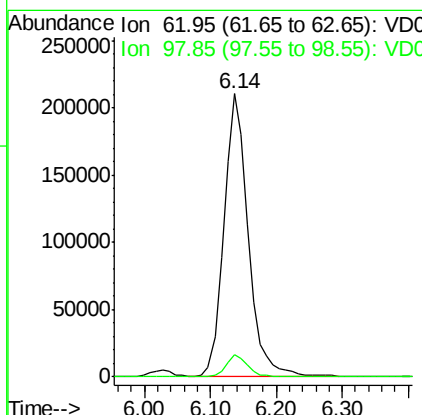
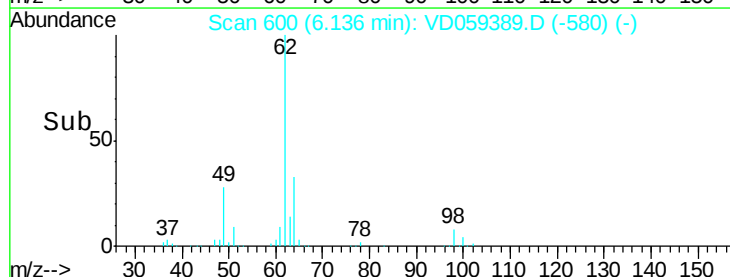
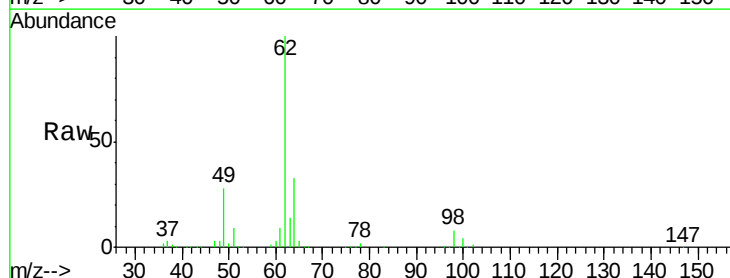
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

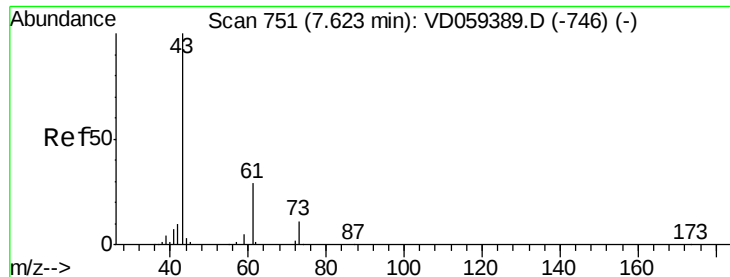
Tot Ion:	41	Resp:	158327
Ion	Ratio	Lower	Upper
41	100		
39	51.9	41.5	62.3
67	48.4	38.7	58.1
52	24.3	19.4	29.2



#42
1,2-Dichloroethane
Concen: 49.46 ug/l
RT: 6.14 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:	62	Resp:	545255
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



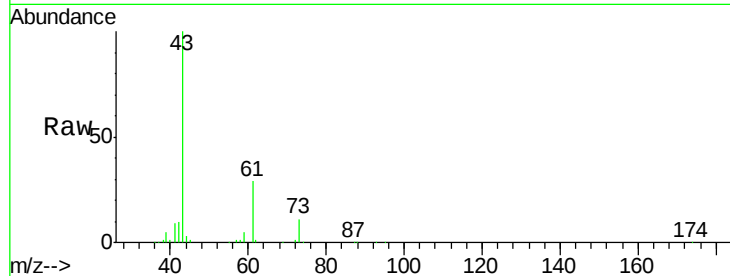


#43

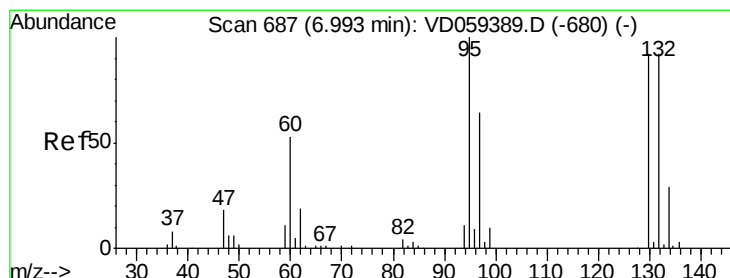
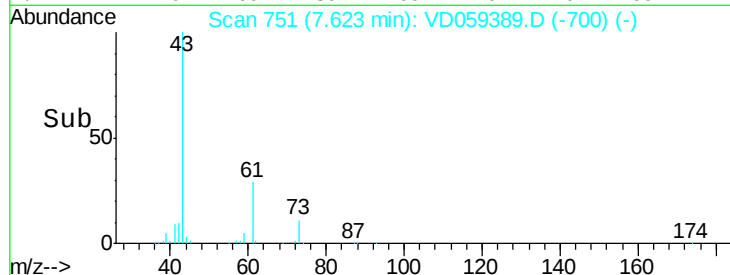
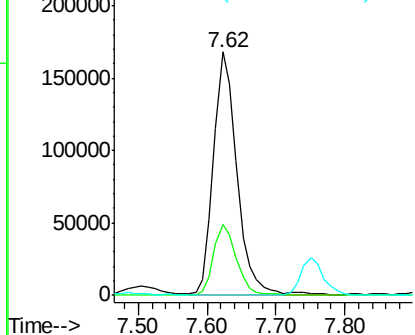
Isopropyl Acetate
 Concen: 46.61 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 394712
 Ion Ratio Lower Upper
 43 100
 61 28.9 23.1 34.7
 87 0.3 0.2 0.4



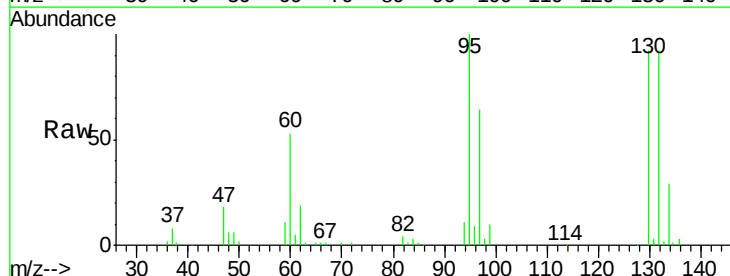
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



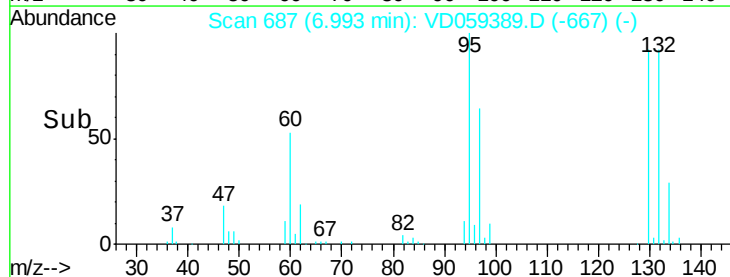
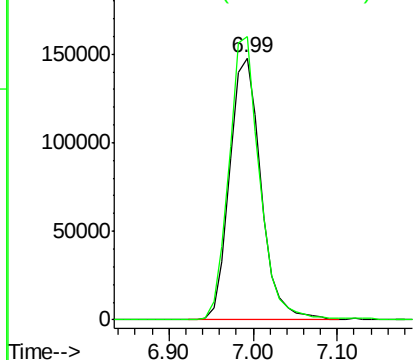
#44

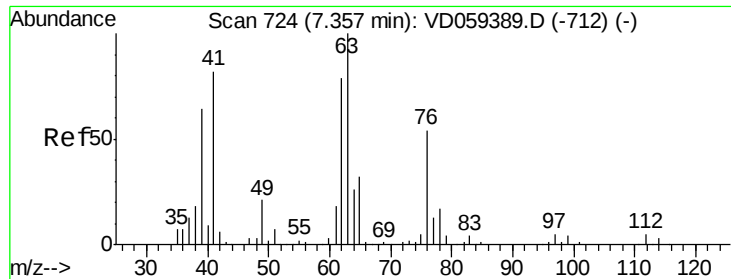
Trichloroethene
 Concen: 46.88 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 130 Resp: 384122
 Ion Ratio Lower Upper
 130 100
 95 108.2 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: 45.27 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

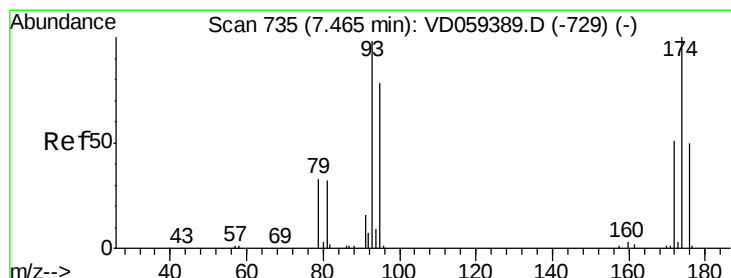
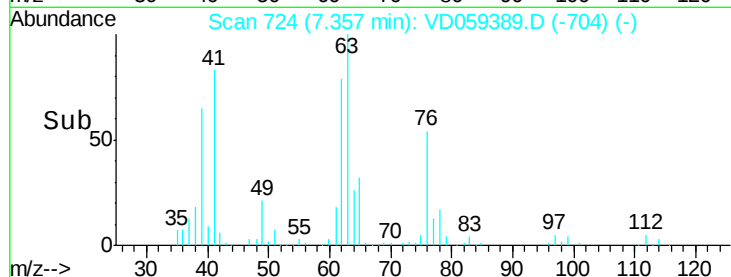
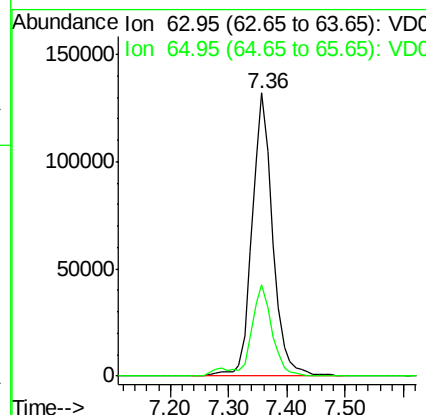
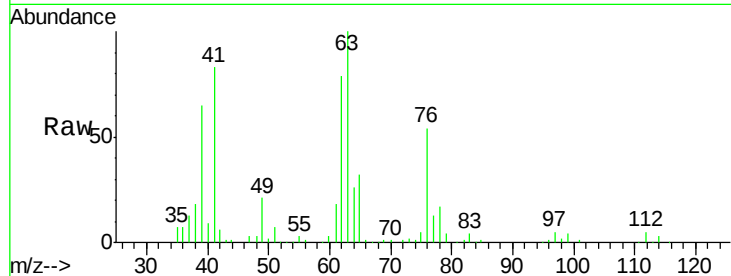
VSTDICCC050

Tot Ion: 63 Resp: 327806

Ion Ratio Lower Upper

63 100

65 32.1 25.7 38.5



#46

Dibromomethane

Concen: 49.44 ug/l

RT: 7.47 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

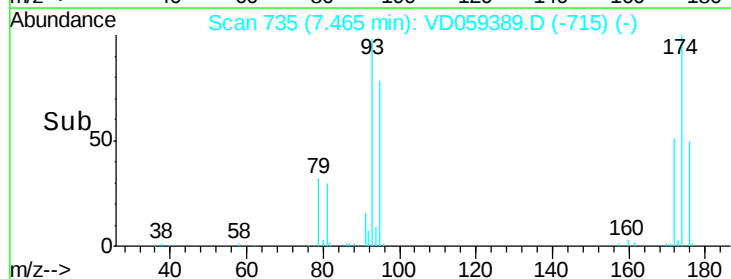
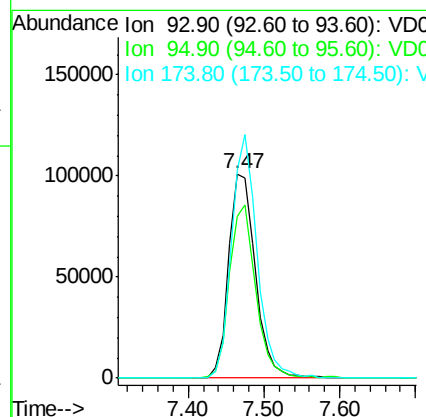
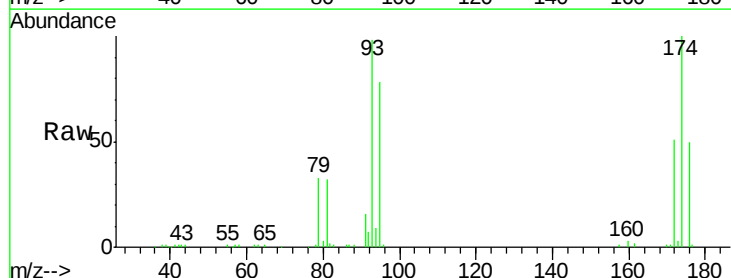
Tgt Ion: 93 Resp: 246651

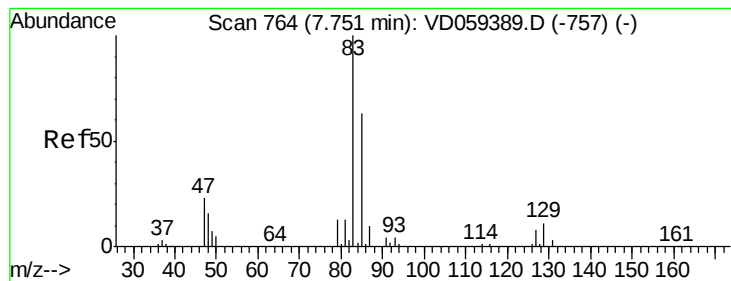
Ion Ratio Lower Upper

93 100

95 79.2 63.4 95.0

174 101.8 81.4 122.2





#47

Bromodichloromethane

Concen: 50.83 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

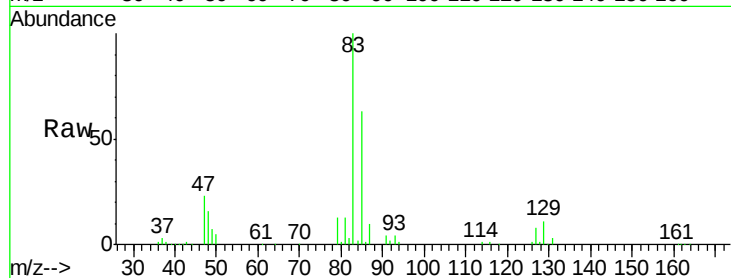
Tot Ion: 83 Resp: 586254

Ion Ratio Lower Upper

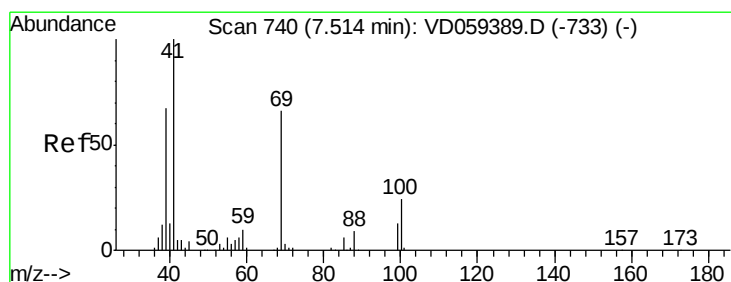
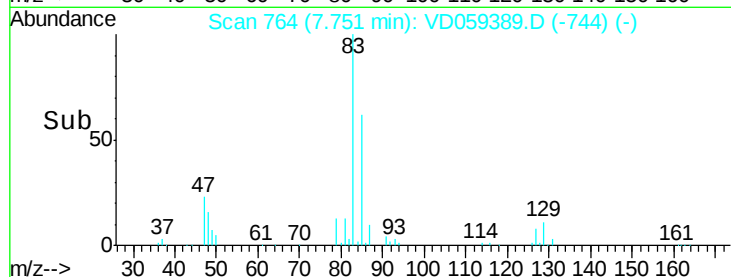
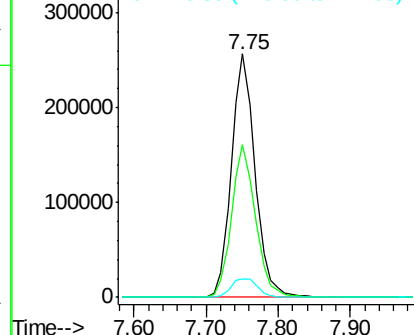
83 100

85 62.6 50.1 75.1

127 7.6 6.1 9.1



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



#48

Methyl methacrylate

Concen: 45.06 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

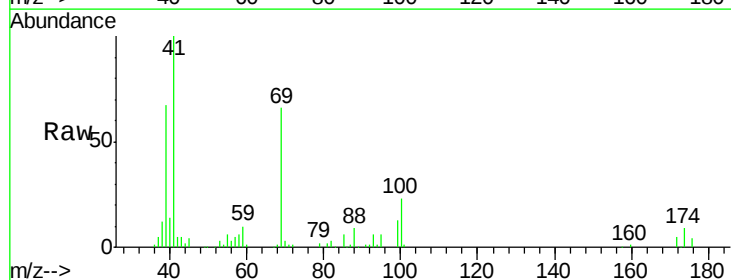
Tgt Ion: 41 Resp: 232348

Ion Ratio Lower Upper

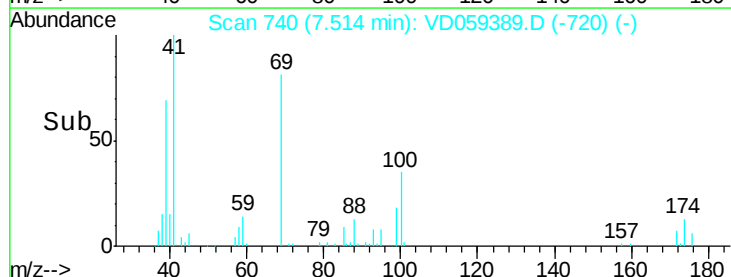
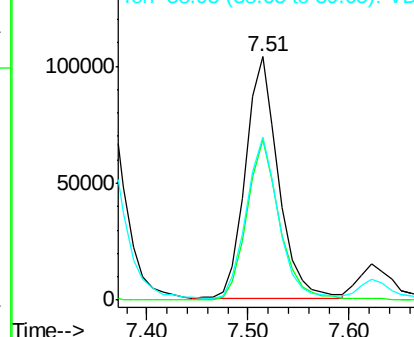
41 100

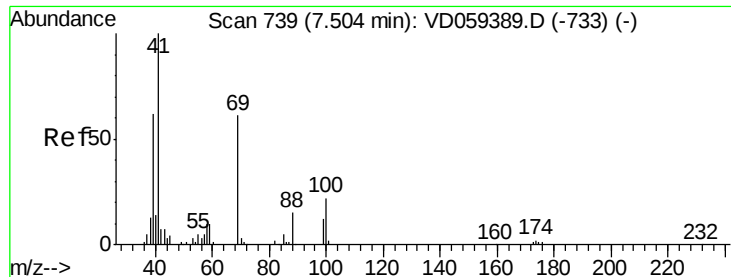
69 65.8 52.6 79.0

39 67.0 53.6 80.4



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





#49

1,4-Dioxane

Concen: 1021.11 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

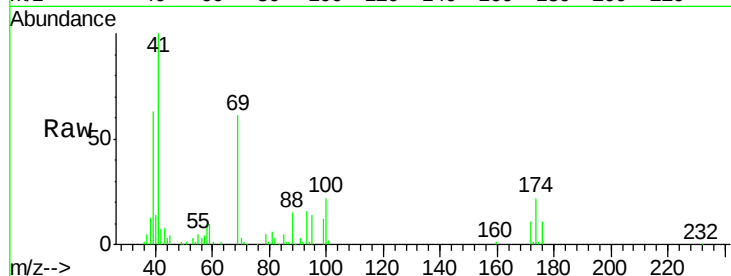
Tot Ion: 88 Resp: 47613

Ion Ratio Lower Upper

88 100

43 51.2 41.0 61.4

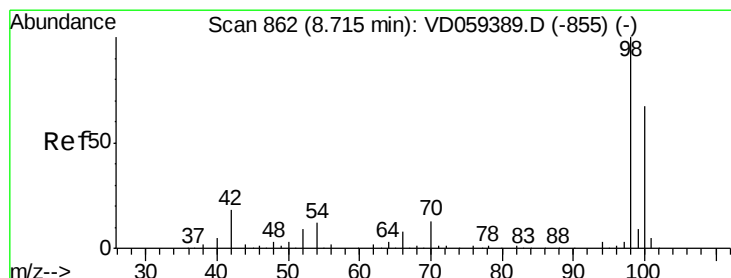
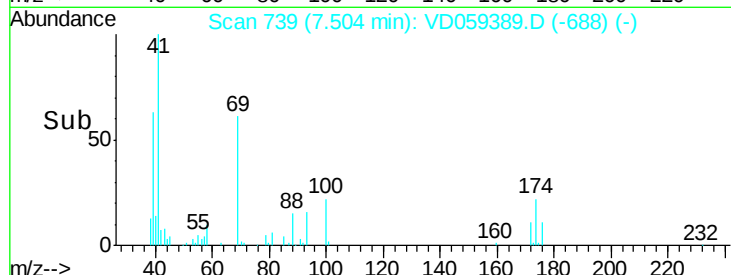
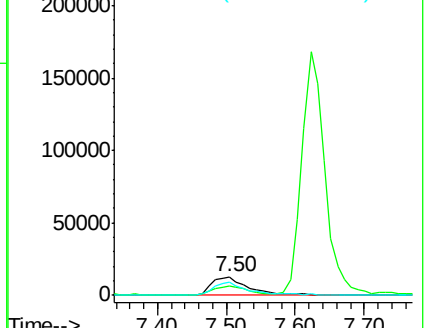
58 66.7 53.4 80.0



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: 1021.11 ug/l

RT: 8.72 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD059389.D

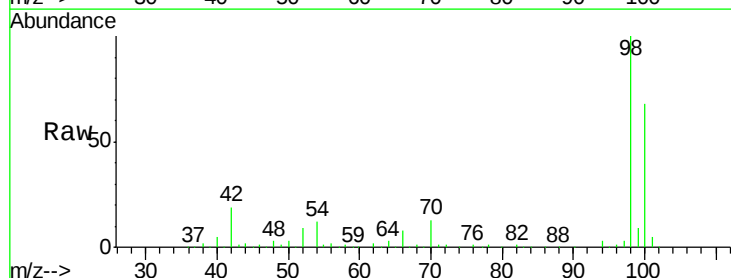
Acq: 25 Jun 2018 1:18

Tgt Ion: 98 Resp: 1161258

Ion Ratio Lower Upper

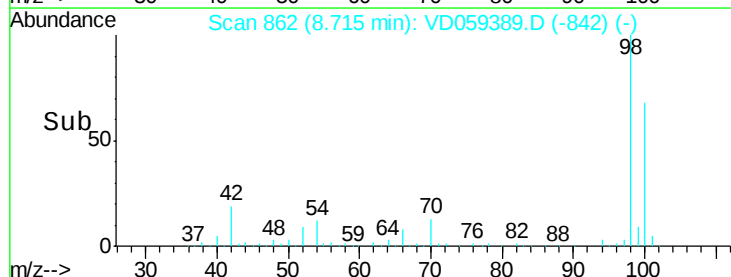
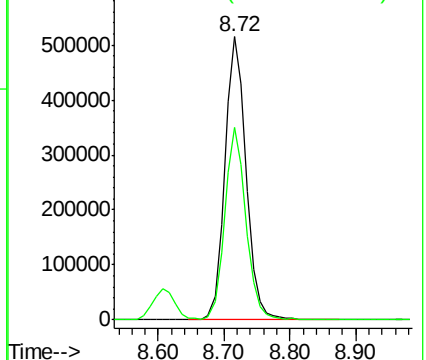
98 100

100 68.0 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: 233.89 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

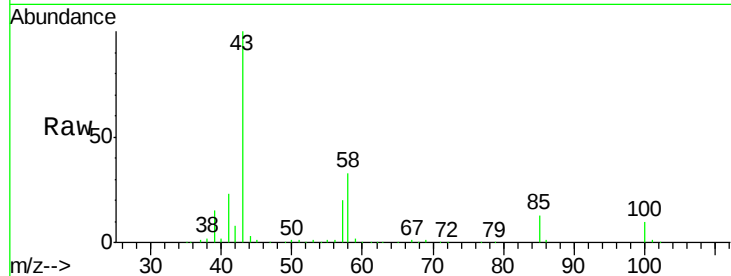
VSTDICCC050

Tot Ion: 43 Resp: 1299353

Ion Ratio Lower Upper

43 100

58 32.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

600000

500000

400000

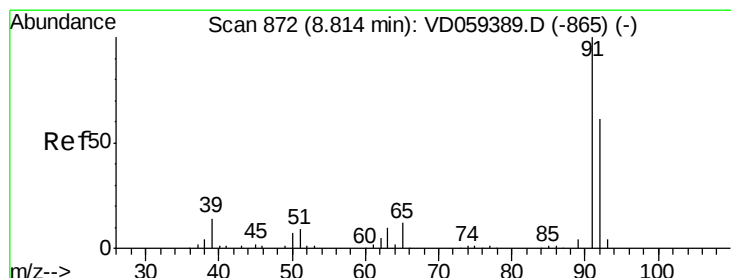
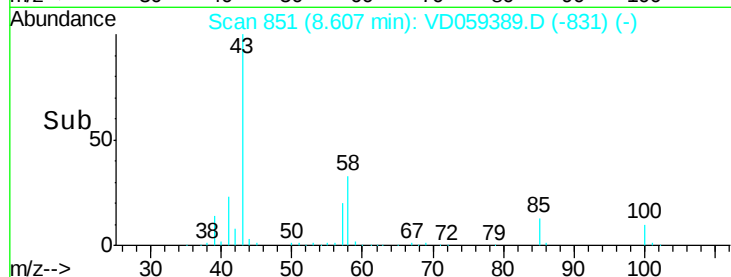
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 45.75 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059389.D

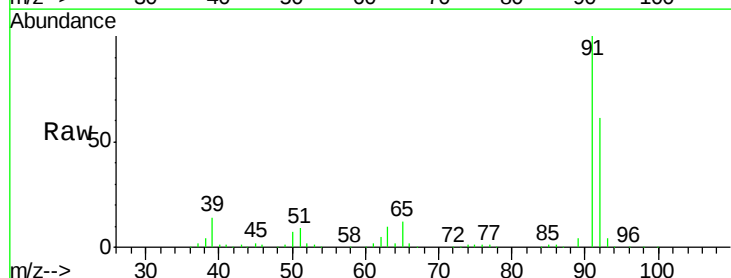
Acq: 25 Jun 2018 1:18

Tgt Ion: 92 Resp: 709291

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

600000

500000

400000

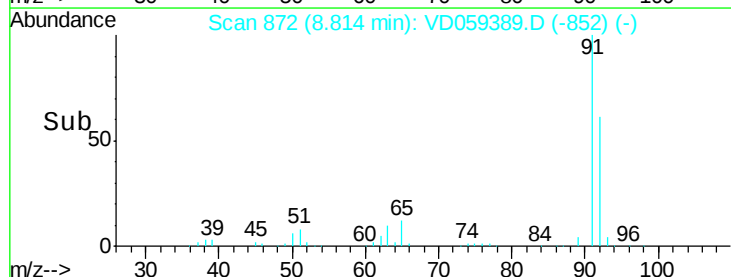
300000

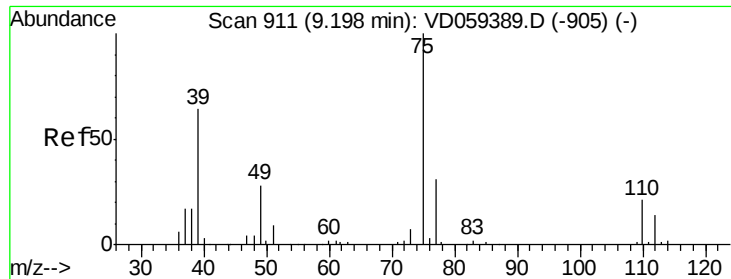
200000

100000

0

Time-->

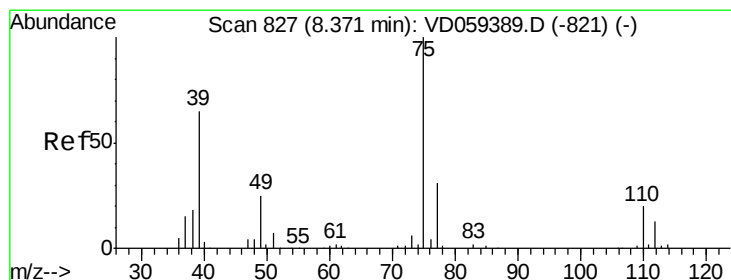
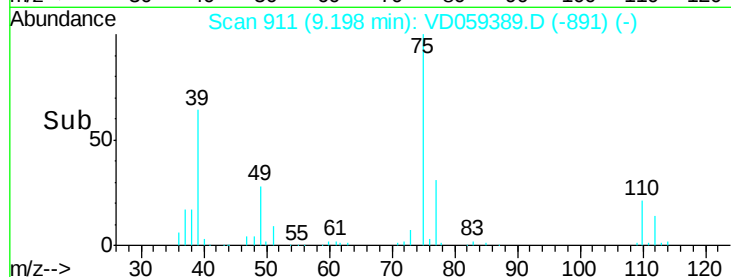
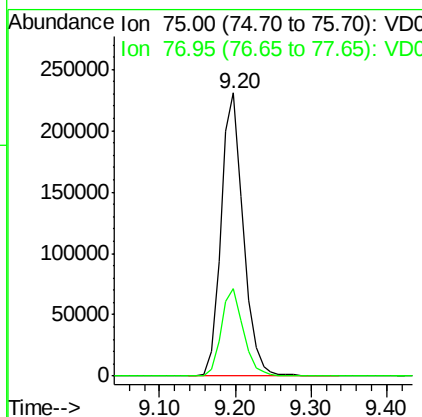
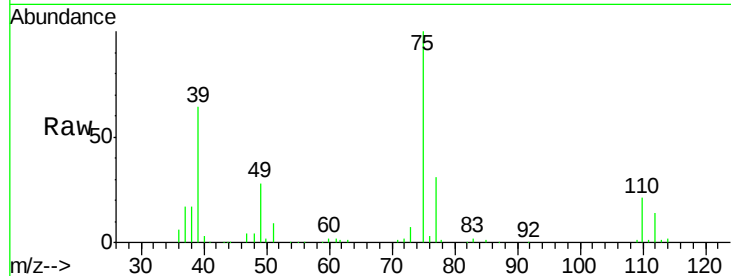




#53
 t-1,3-Dichloropropene
 Concen: 47.69 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

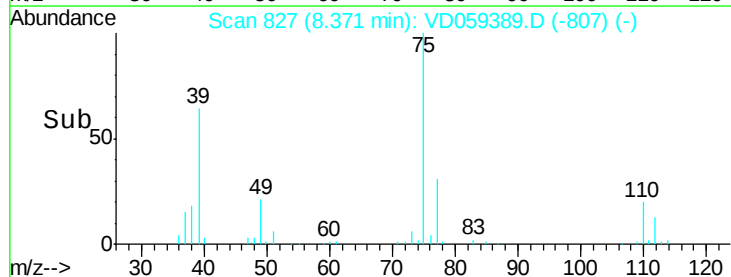
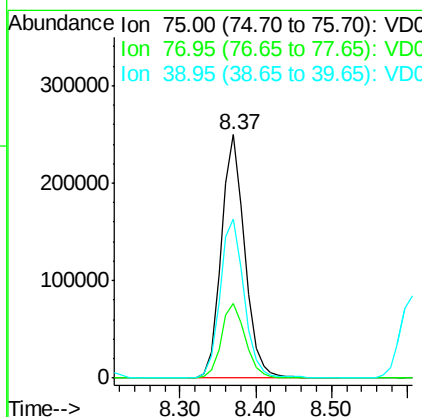
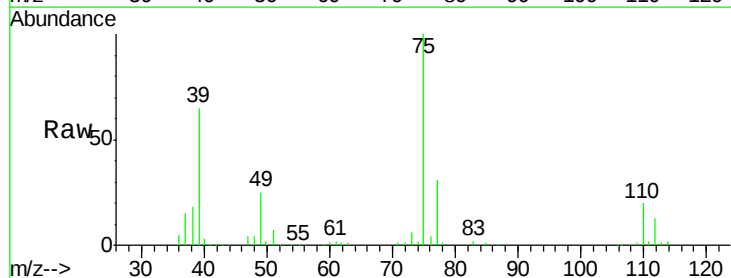
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

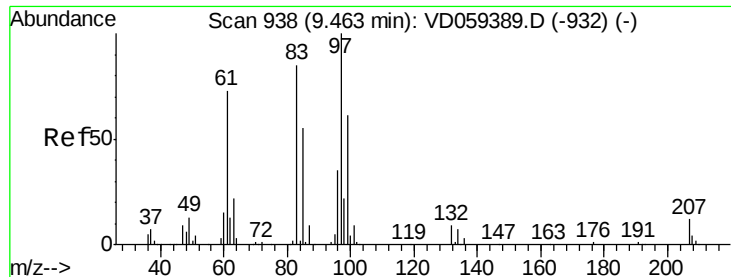
Tot Ion: 75 Resp: 470438
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 46.89 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 75 Resp: 538046
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1
 39 65.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 48.46 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 266081

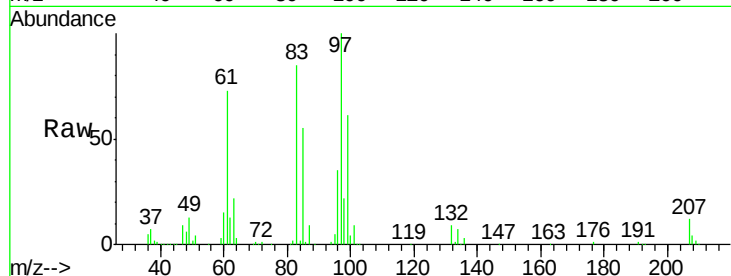
Ion Ratio Lower Upper

97 100

83 84.6 67.7 101.5

85 55.4 44.3 66.5

99 60.8 48.6 73.0

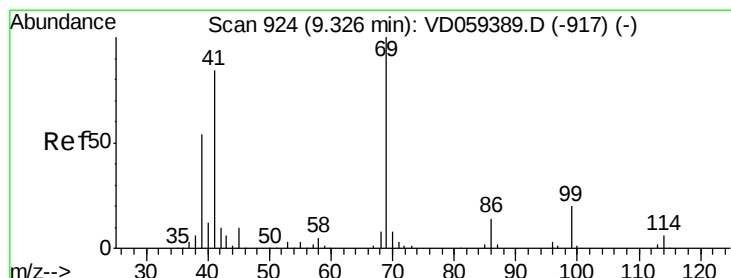
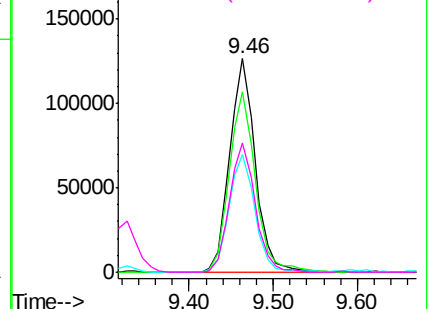
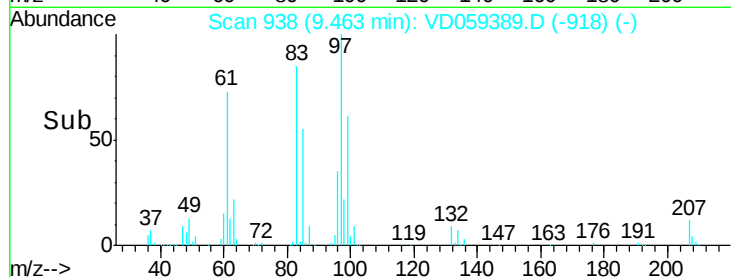


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 48.31 ug/l

RT: 9.33 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

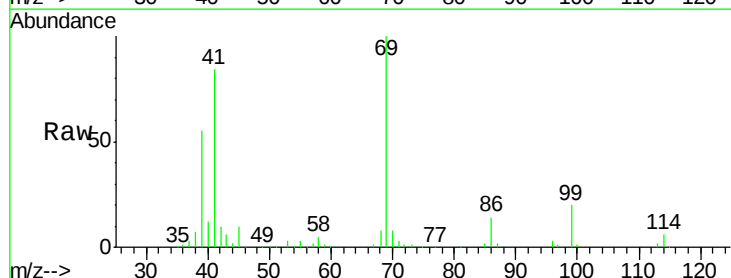
Tgt Ion: 69 Resp: 312651

Ion Ratio Lower Upper

69 100

41 84.2 67.4 101.0

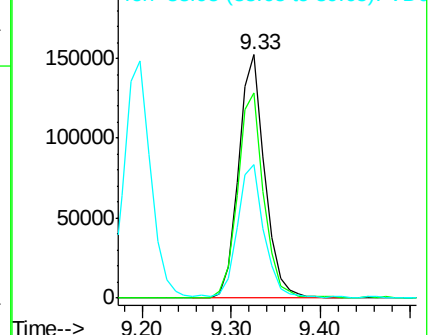
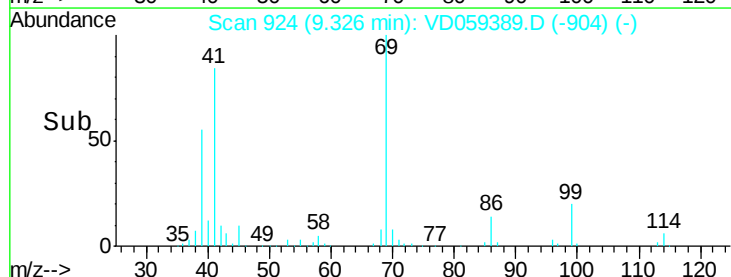
39 54.6 43.7 65.5

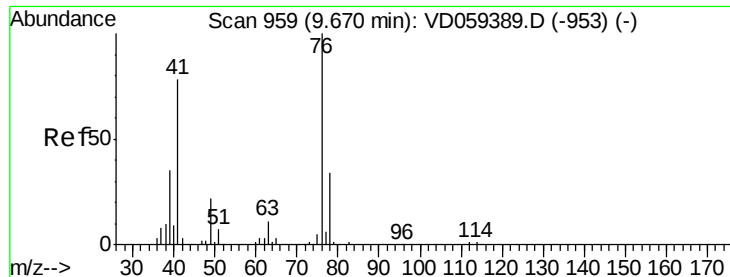


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

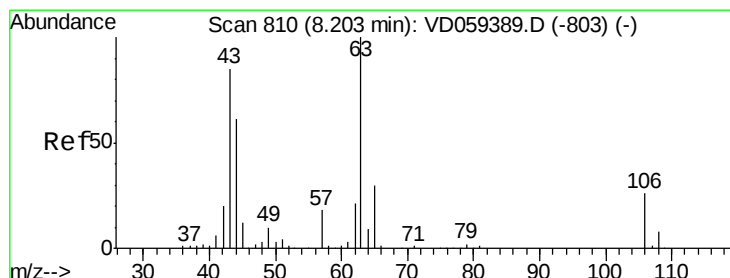
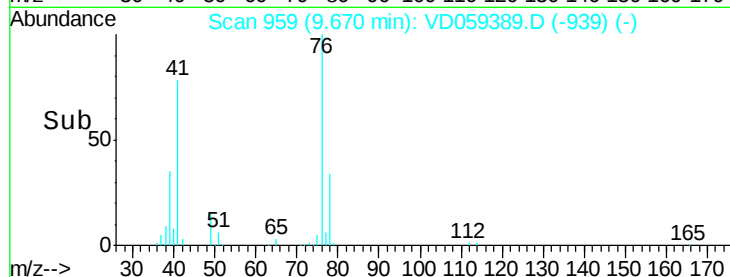
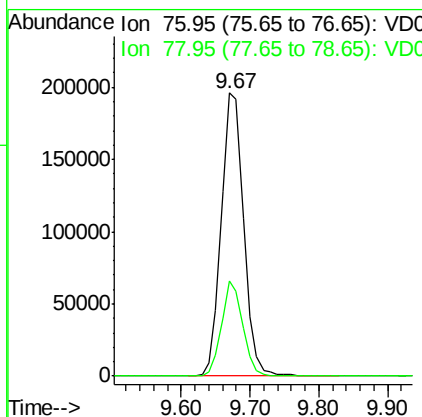
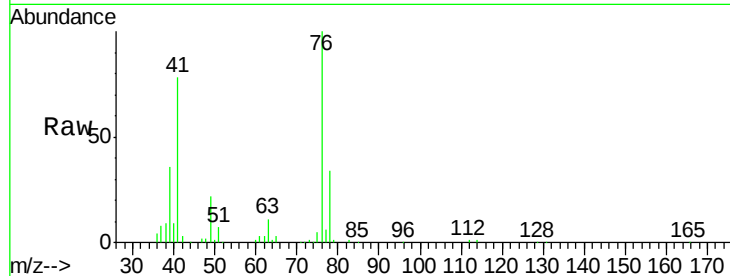




#57
 1,3-Dichloropropane
 Concen: 47.85 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

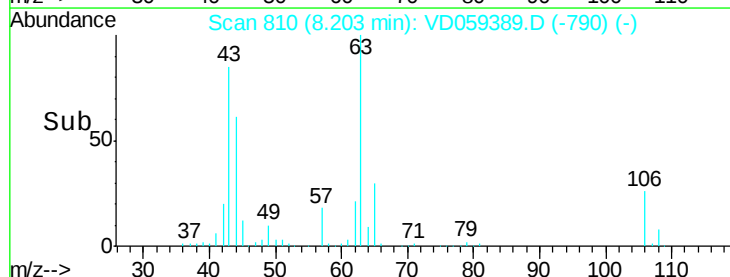
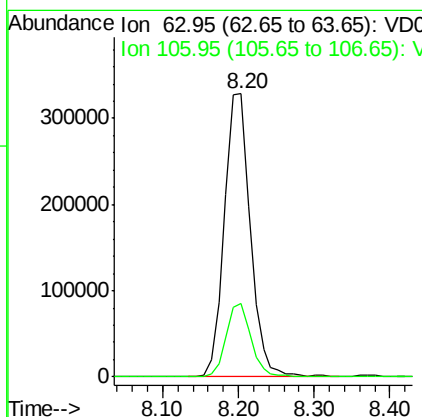
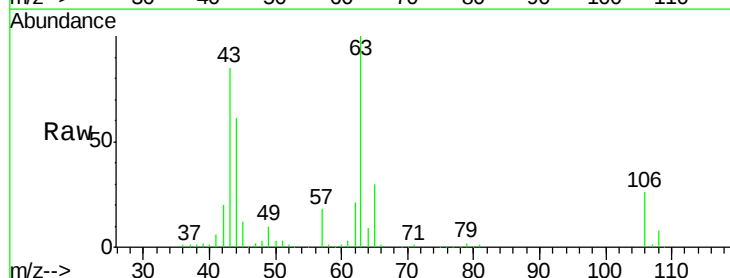
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

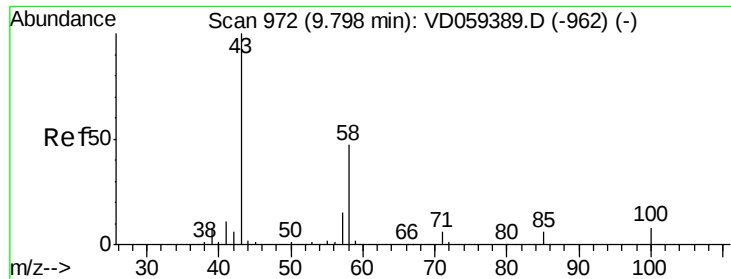
Tot Ion: 76 Resp: 442824
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.56 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 63 Resp: 781773
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.6 31.0

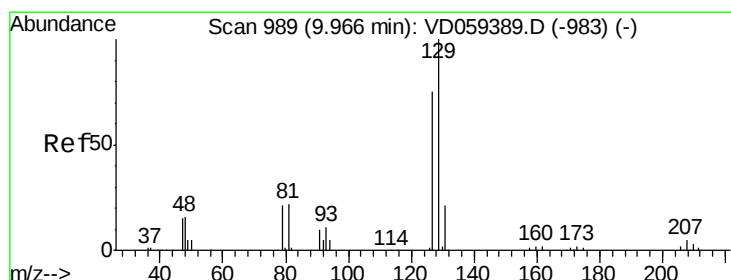
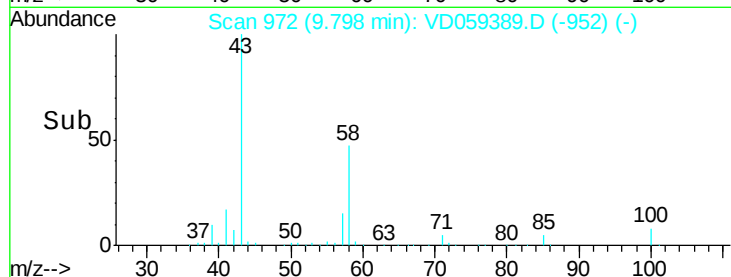
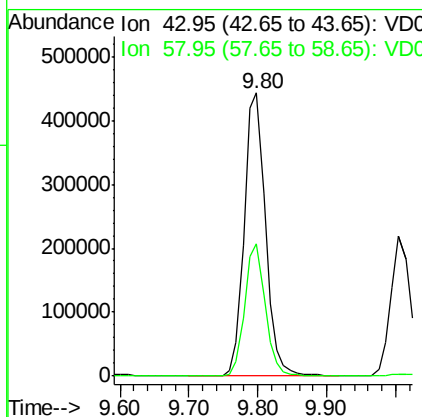
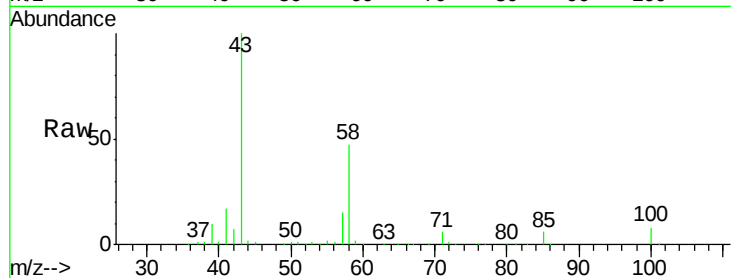




#59
2-Hexanone
Concen: 236.13 ug/l
RT: 9.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

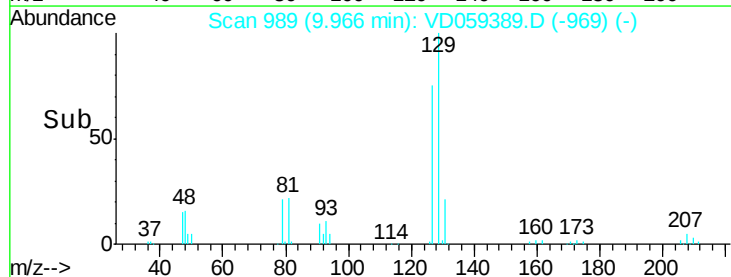
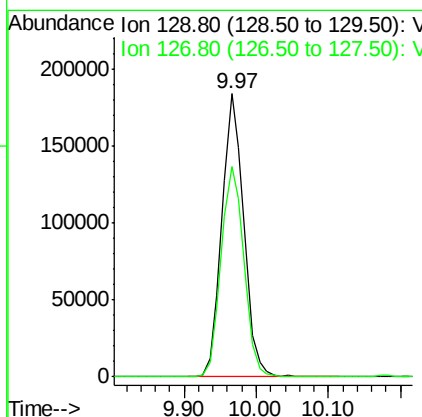
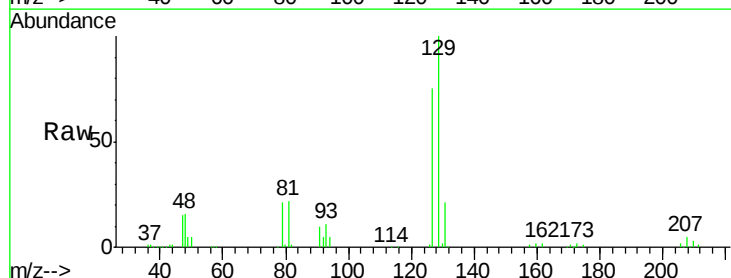
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

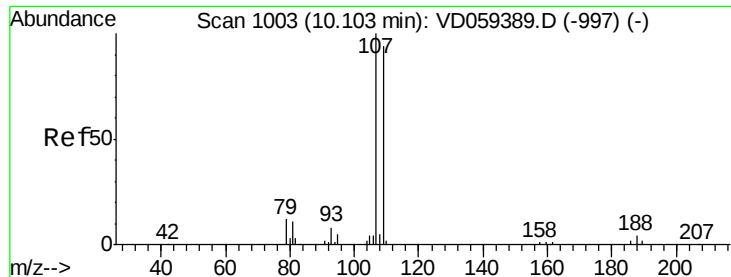
Tot Ion: 43 Resp: 953513
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 51.78 ug/l
RT: 9.97 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:129 Resp: 386646
Ion Ratio Lower Upper
129 100
127 74.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 49.37 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

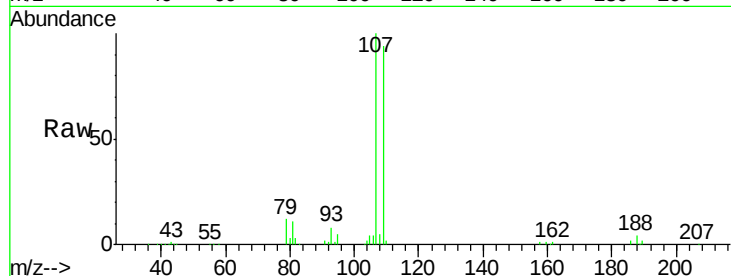
VSTDICCC050

Tot Ion:107 Resp: 294751

Ion Ratio Lower Upper

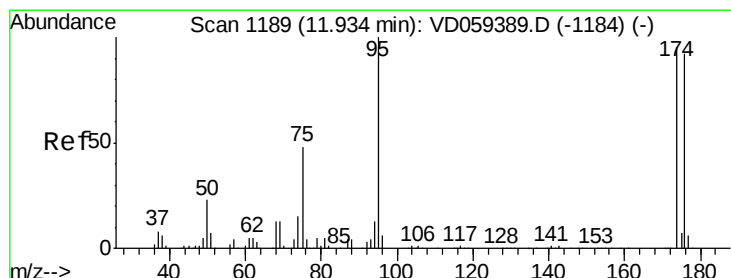
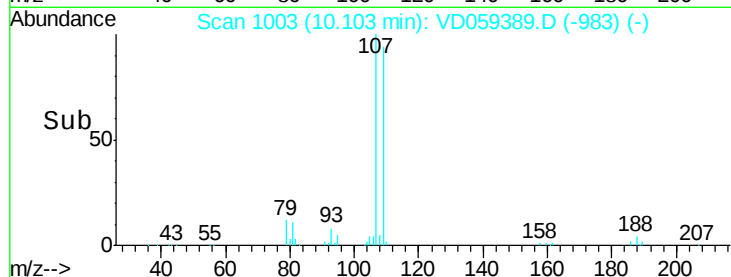
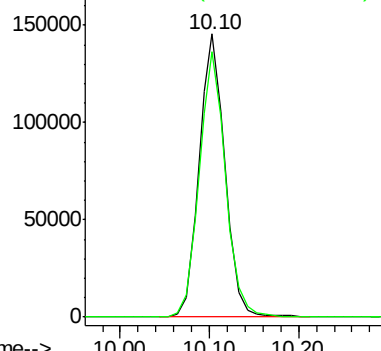
107 100

109 93.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.37 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

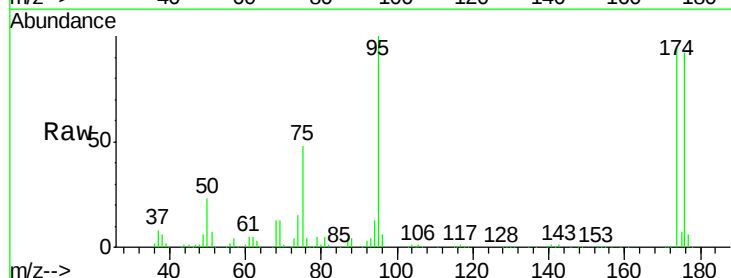
Tgt Ion: 95 Resp: 474076

Ion Ratio Lower Upper

95 100

174 95.2 0.0 190.4

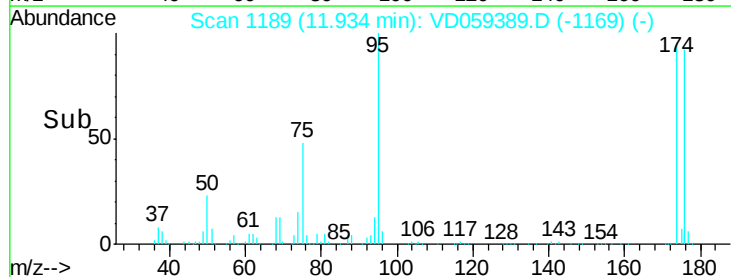
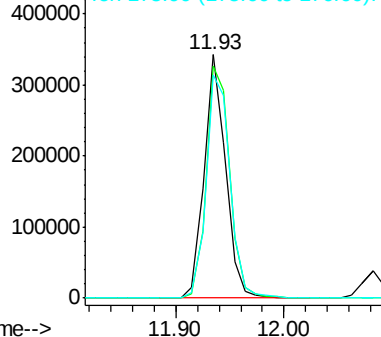
176 91.6 0.0 183.2

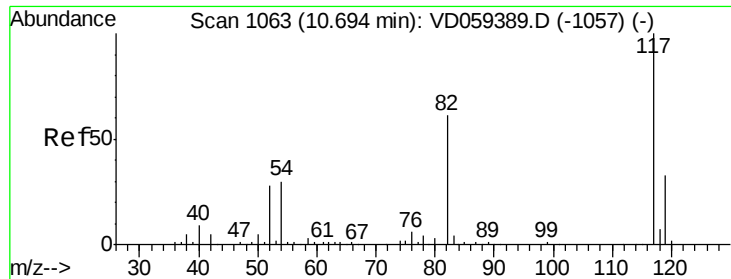


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

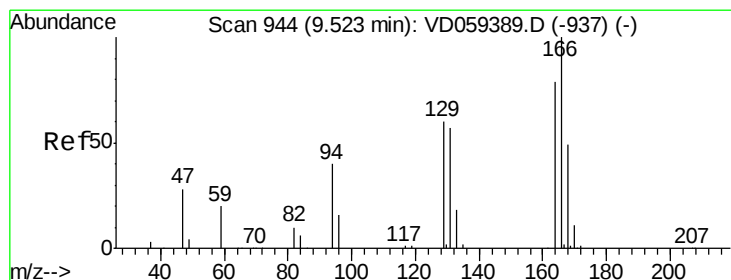
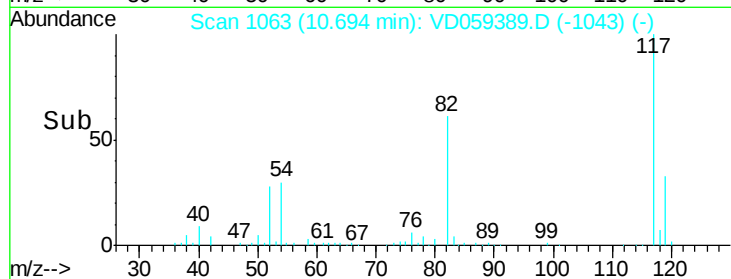
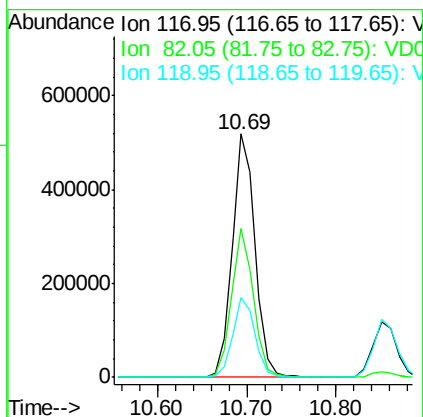
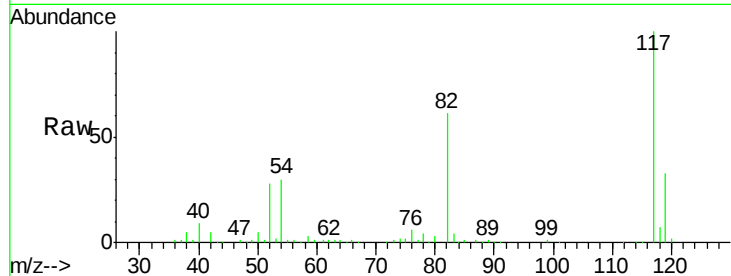




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

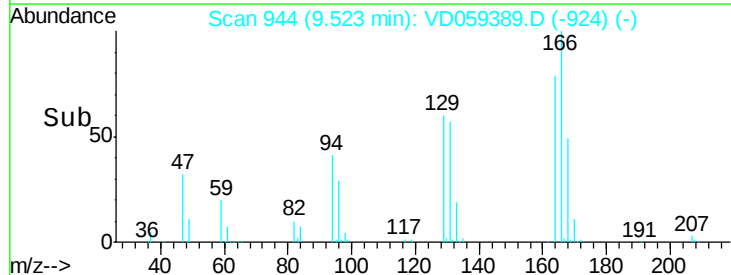
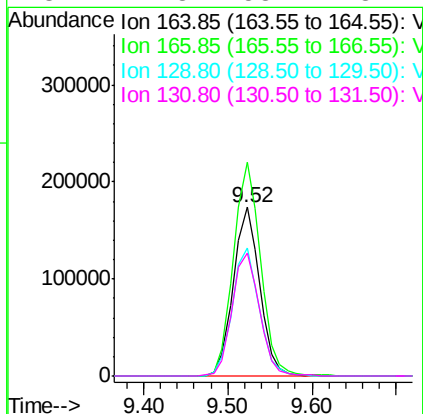
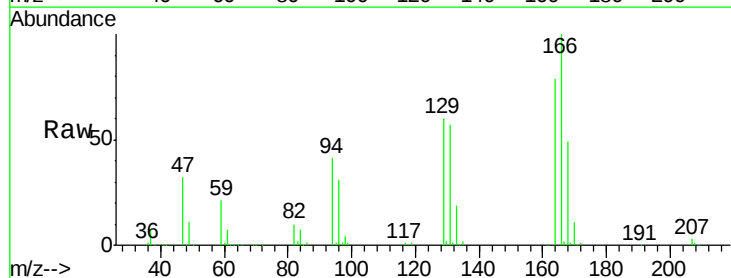
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

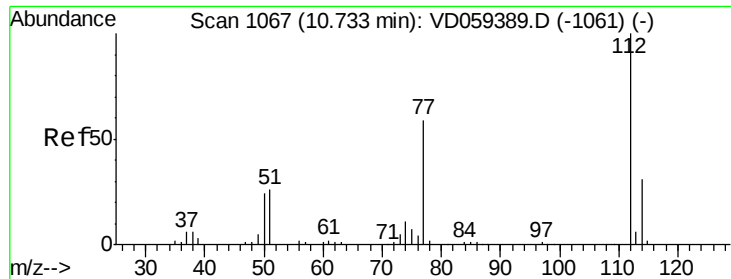
Tot Ion:117 Resp: 930901
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 48.80 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:164 Resp: 381968
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 76.1 60.9 91.3
131 72.8 58.2 87.4

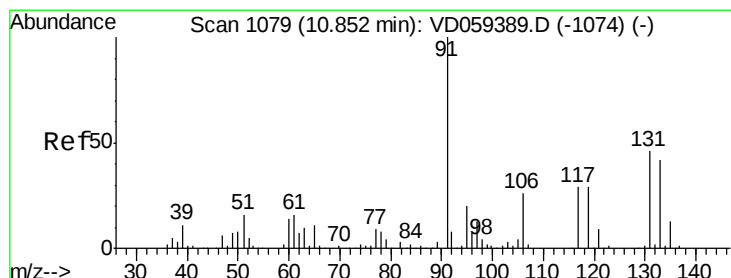
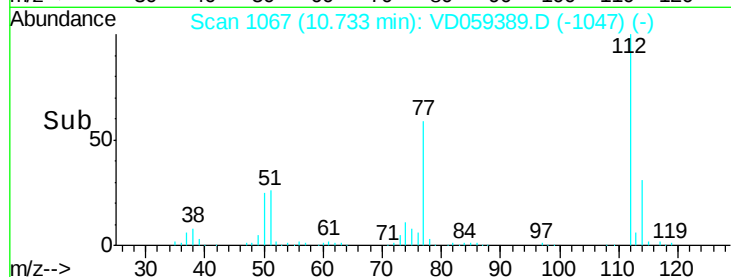
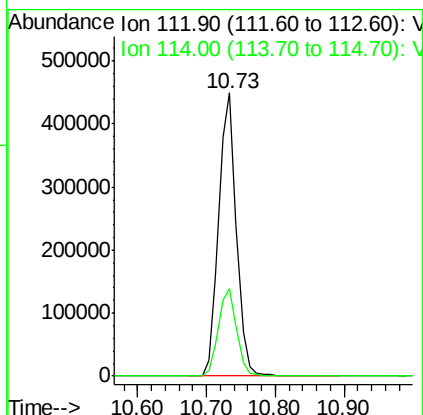
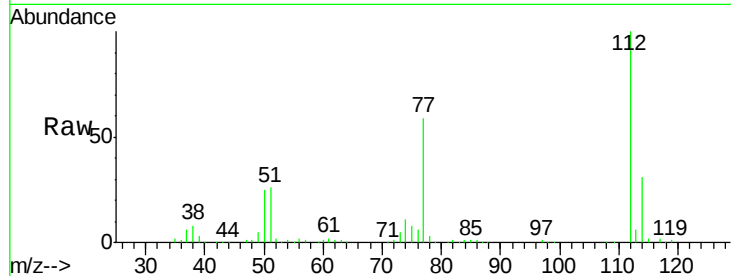




#65
Chlorobenzene
Concen: 46.30 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

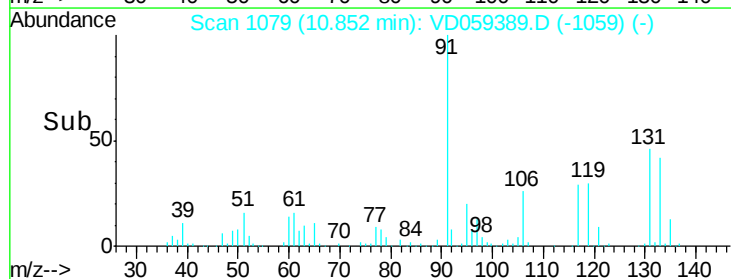
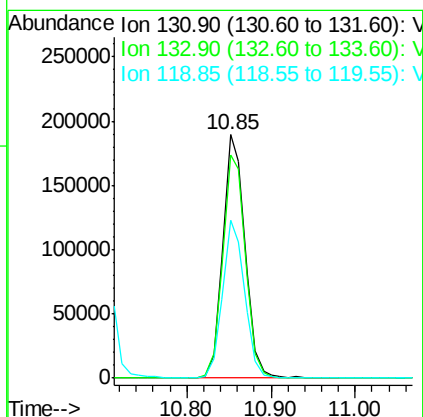
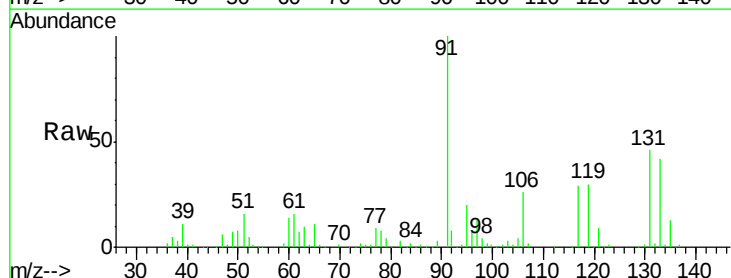
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

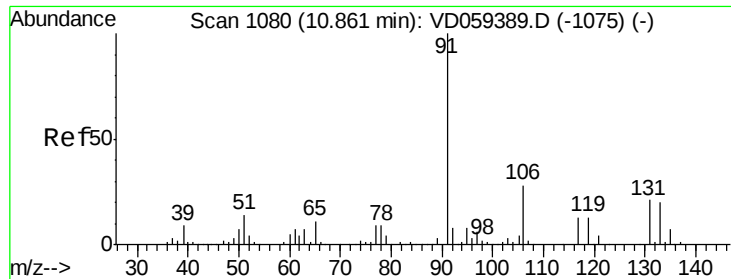
Tot Ion:112 Resp: 801496
Ion Ratio Lower Upper
112 100
114 30.8 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.17 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:131 Resp: 344842
Ion Ratio Lower Upper
131 100
133 91.4 45.7 137.1
119 64.6 32.3 96.9

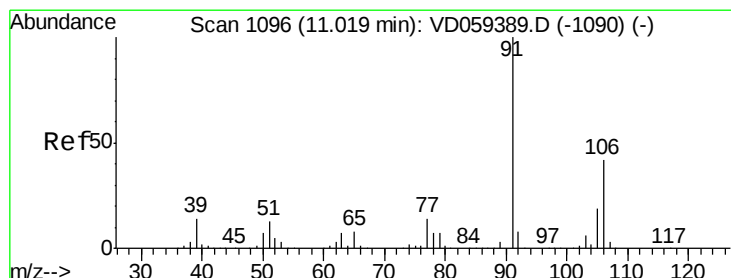
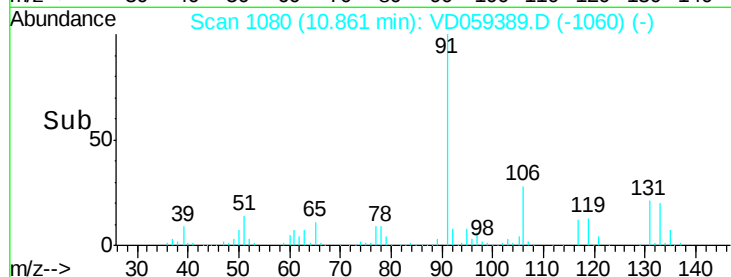
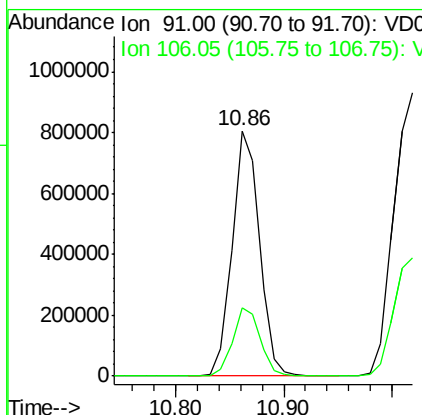
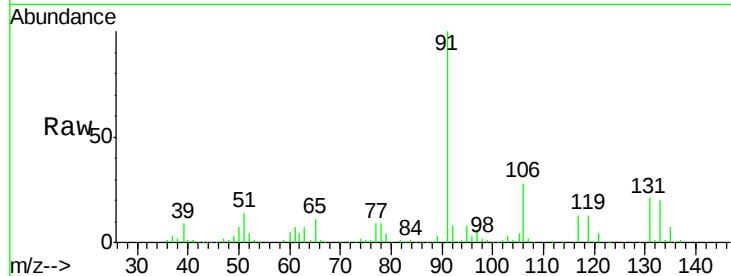




#67
Ethyl Benzene
Concen: 46.18 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

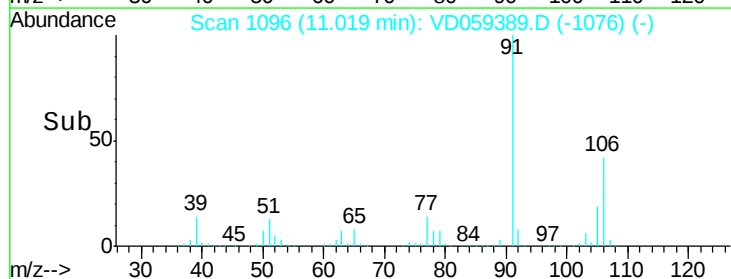
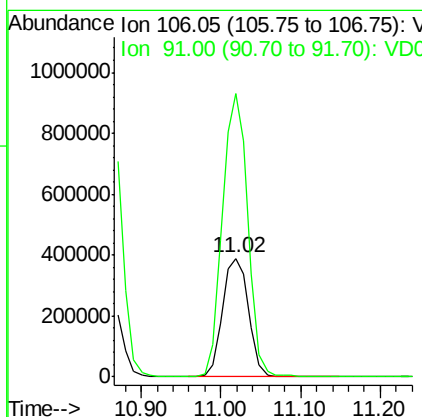
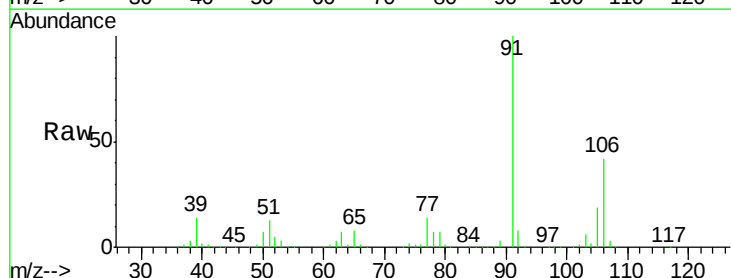
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

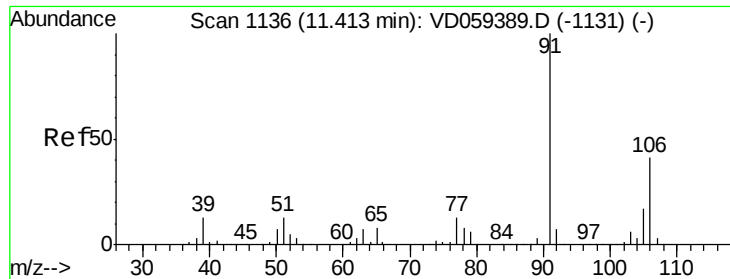
Tot Ion: 91 Resp: 1413401
Ion Ratio Lower Upper
91 100
106 27.9 22.3 33.5



#68
m/p-Xylenes
Concen: 87.98 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion: 106 Resp: 894503
Ion Ratio Lower Upper
106 100
91 238.8 191.0 286.6

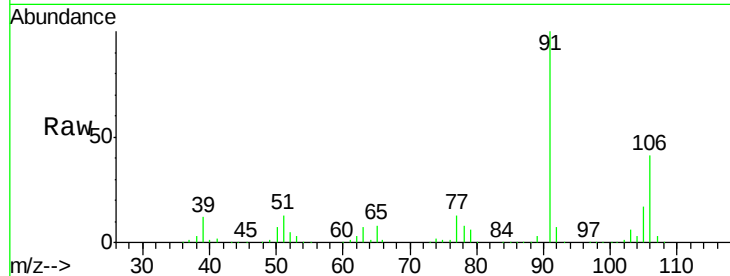




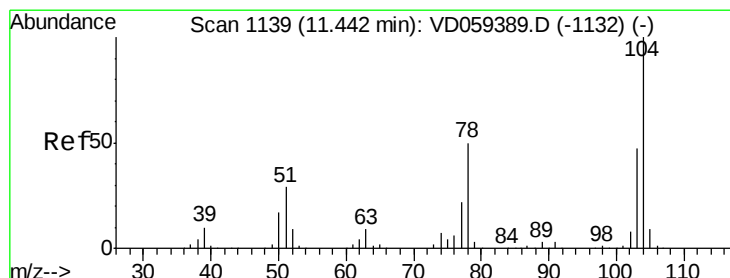
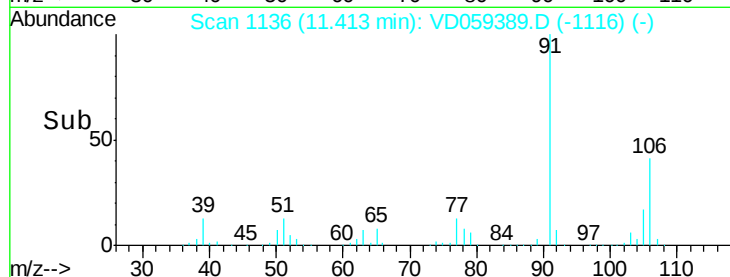
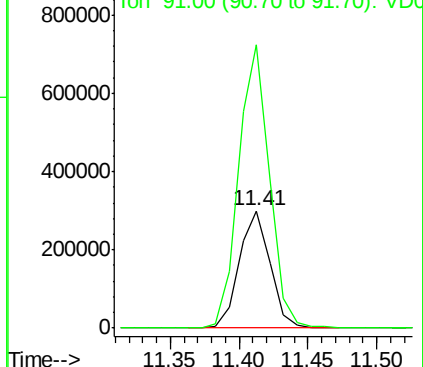
#69
o-Xylene
Concen: 47.46 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 466405
Ion Ratio Lower Upper
106 100
91 241.9 121.0 362.8

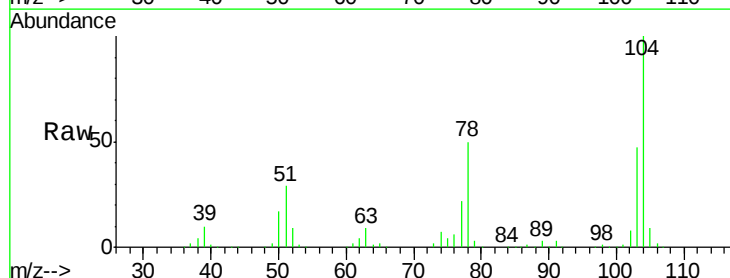


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

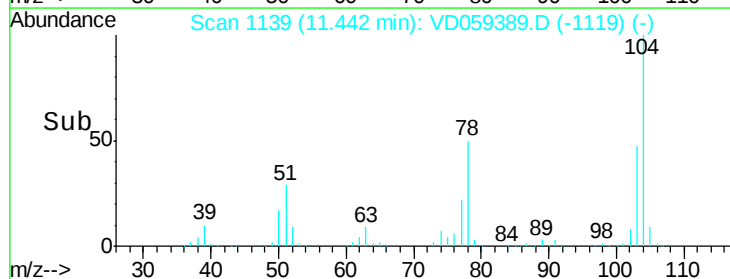
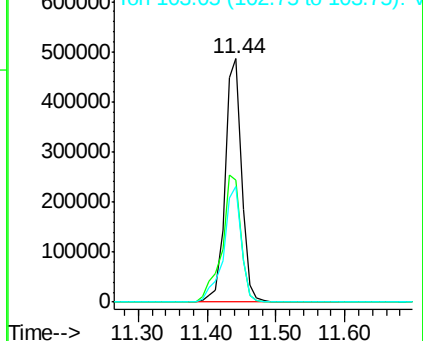


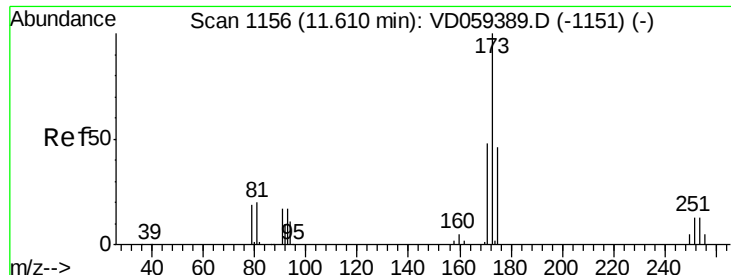
#70
Styrene
Concen: 47.97 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:104 Resp: 802765
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 47.3 37.8 56.8



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

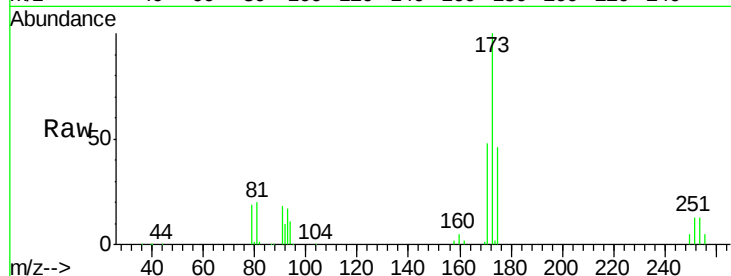




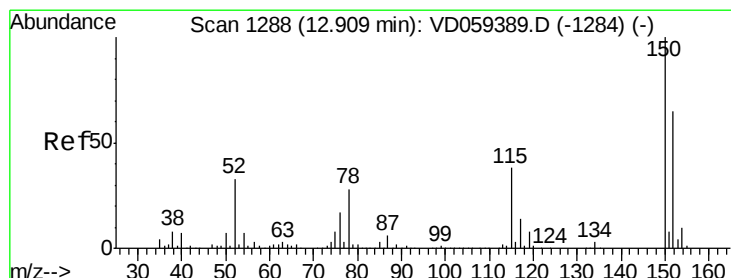
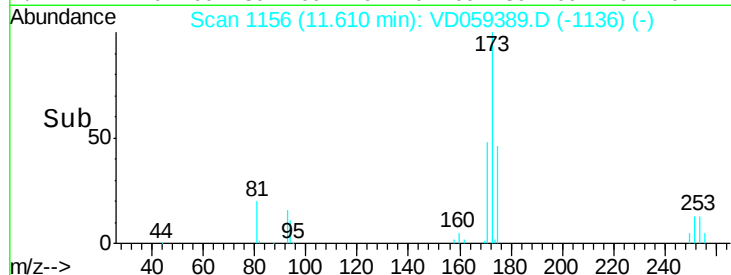
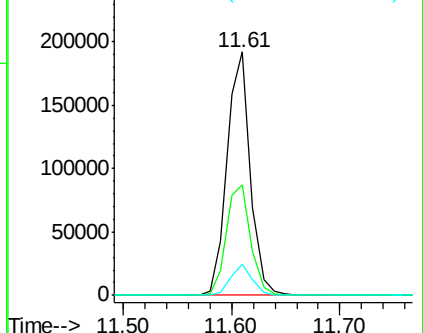
#71
Bromoform
Concen: 53.90 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:173 Resp: 286490
Ion Ratio Lower Upper
173 100
175 45.6 22.8 68.4
254 12.6 10.1 15.1

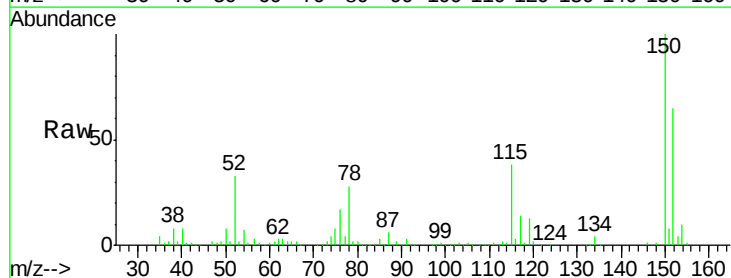


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

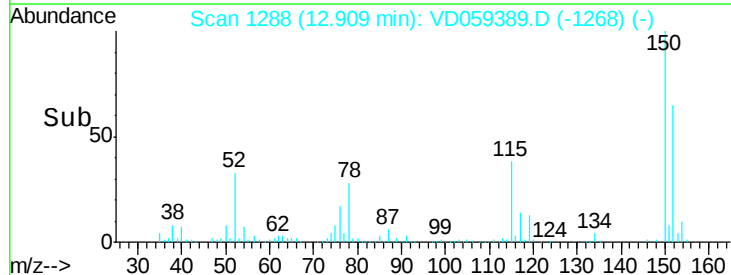
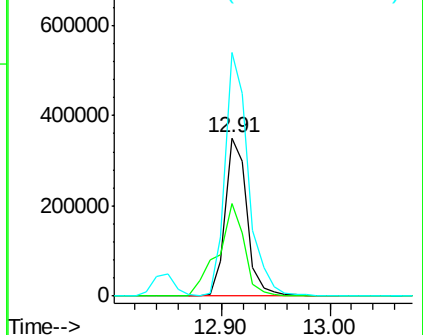


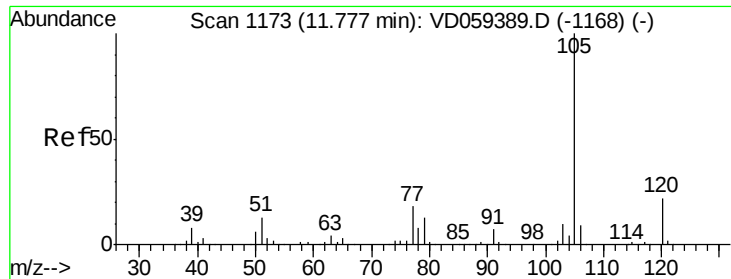
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion:152 Resp: 489769
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.3
150 154.1 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: 46.54 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

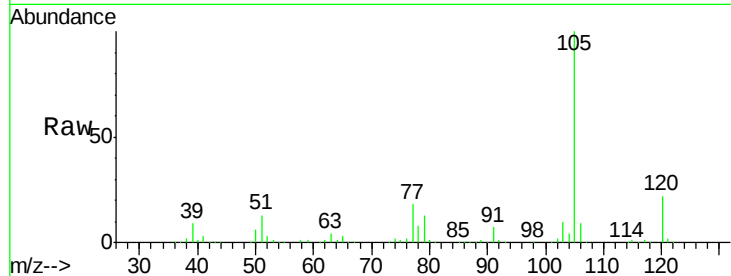
VSTDICCC050

Tot Ion:105 Resp: 1351920

Ion Ratio Lower Upper

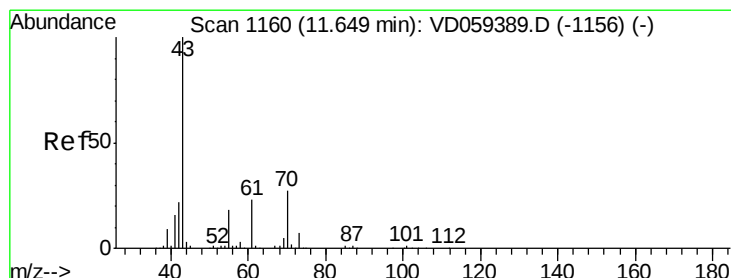
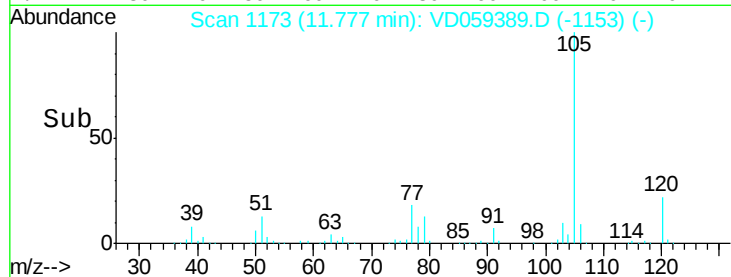
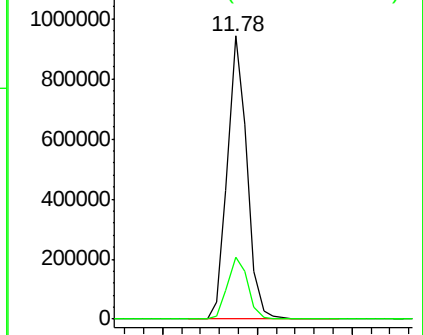
105 100

120 22.0 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: 47.80 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Tgt Ion: 43 Resp: 523929

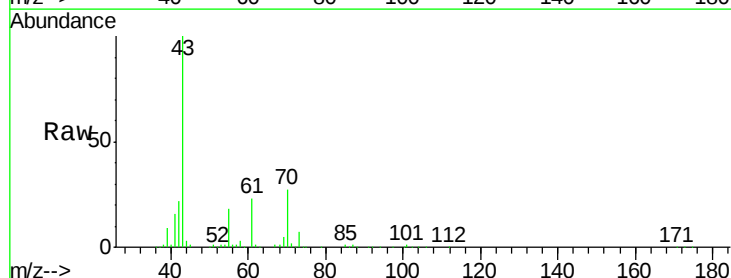
Ion Ratio Lower Upper

43 100

70 27.1 21.7 32.5

55 18.3 14.6 22.0

61 22.5 18.0 27.0

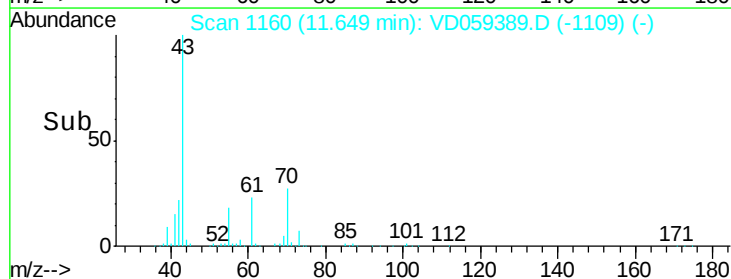
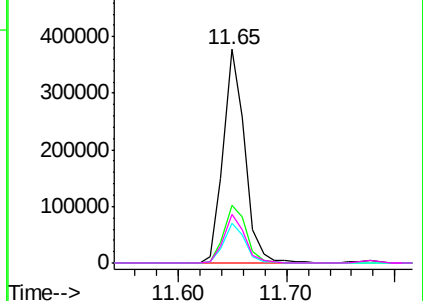


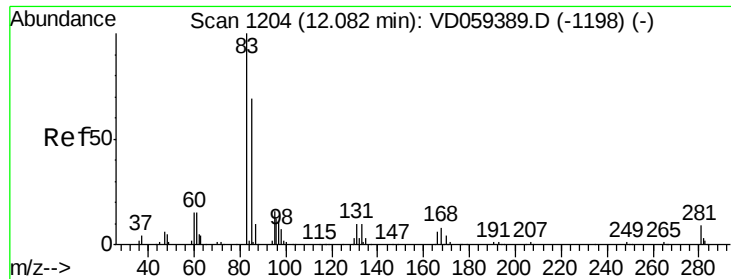
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 47.79 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

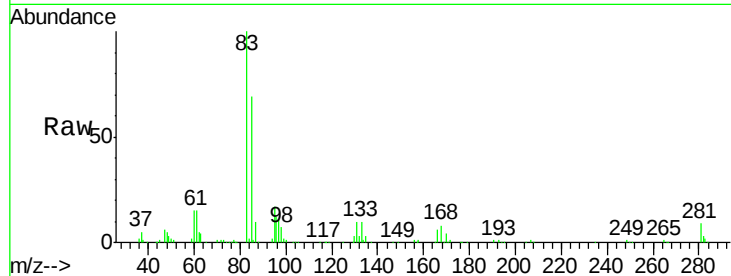
Tot Ion: 83 Resp: 318525

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

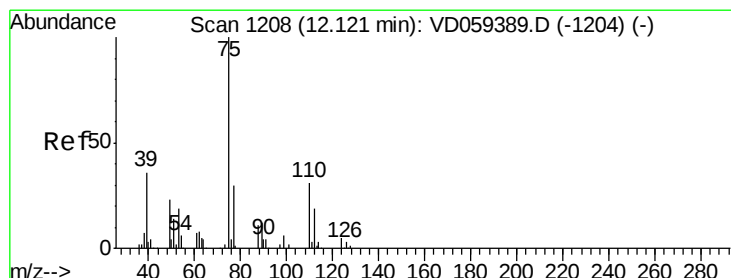
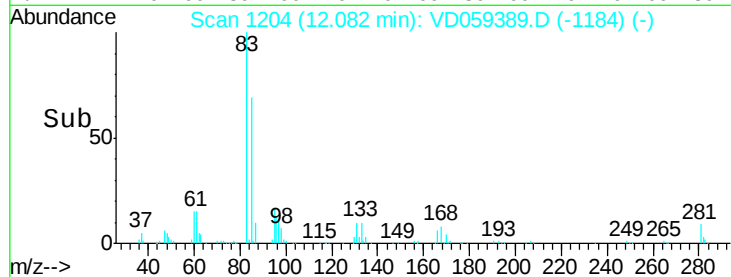
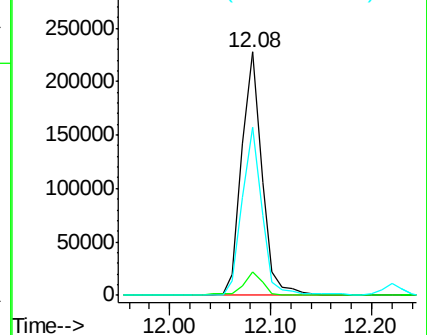
85 69.2 34.6 103.8



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: 48.20 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059389.D

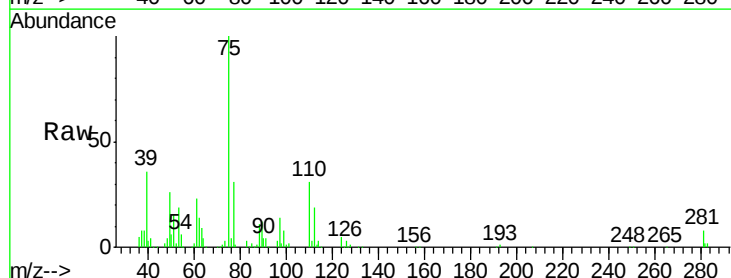
Acq: 25 Jun 2018 1:18

Tgt Ion: 75 Resp: 337074

Ion Ratio Lower Upper

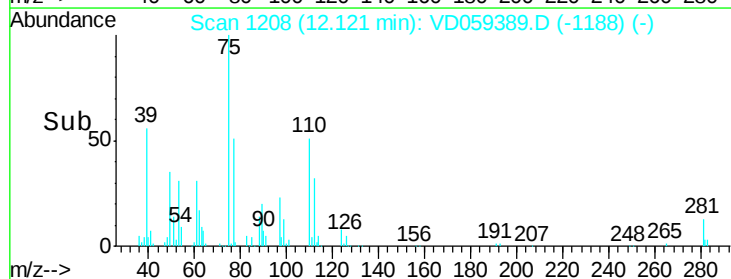
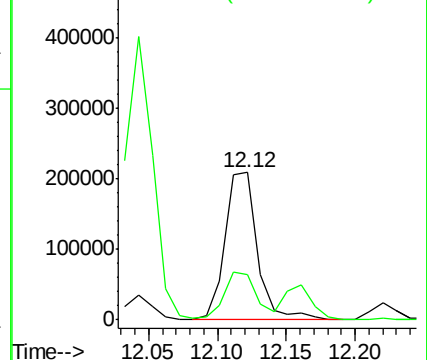
75 100

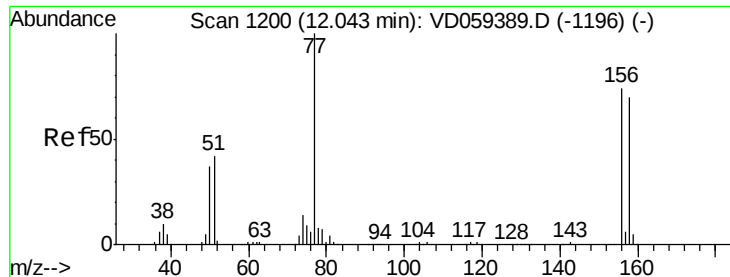
77 31.2 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.08 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

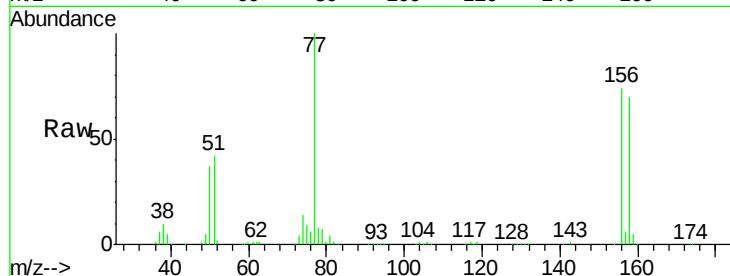
Tot Ion:156 Resp: 428673

Ion Ratio Lower Upper

156 100

77 135.9 68.0 203.8

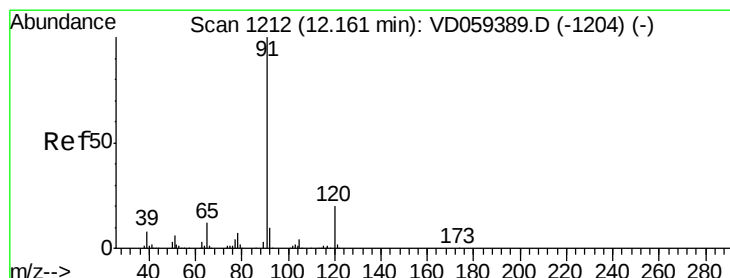
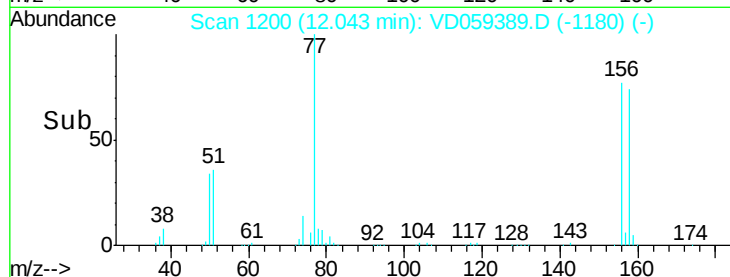
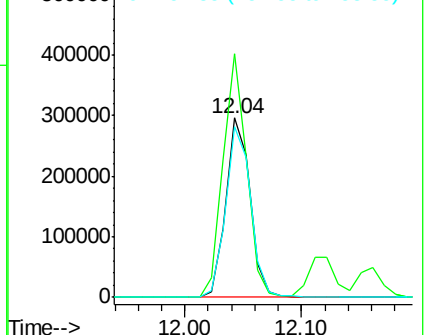
158 95.4 47.7 143.1



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: 45.43 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059389.D

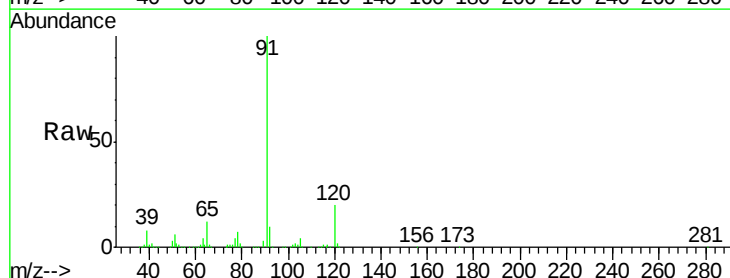
Acq: 25 Jun 2018 1:18

Tgt Ion: 91 Resp: 1693157

Ion Ratio Lower Upper

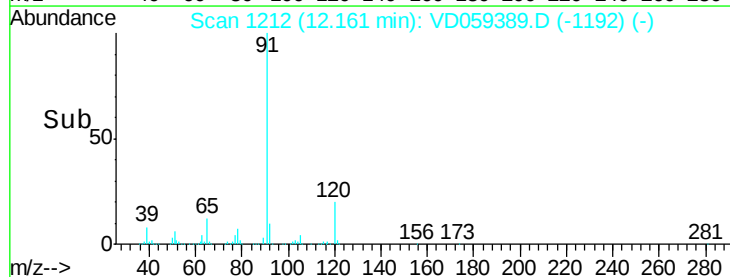
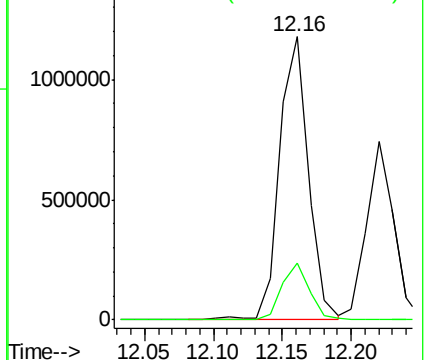
91 100

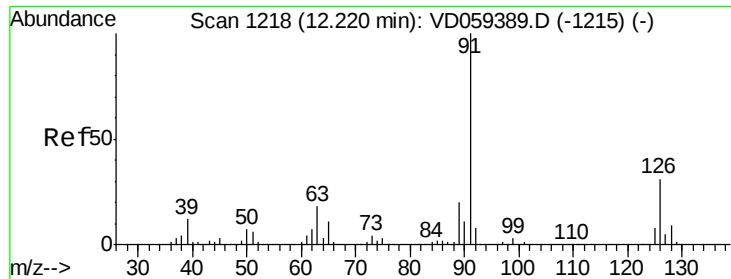
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

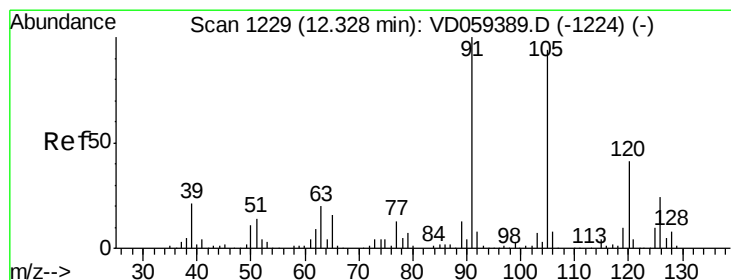
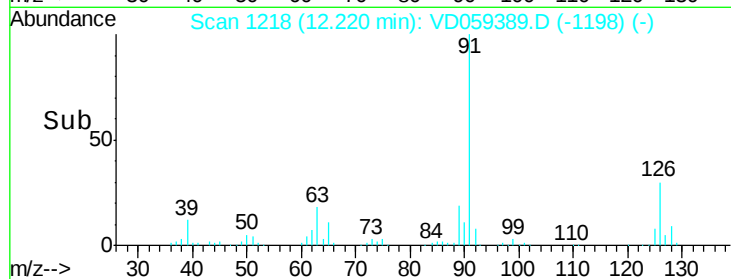
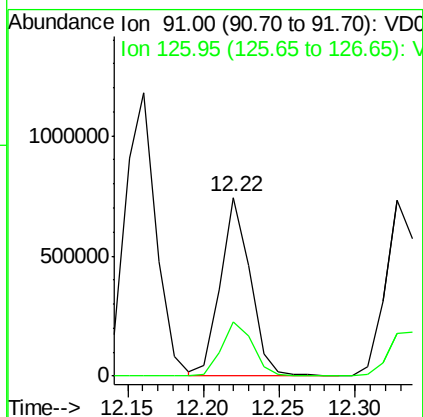
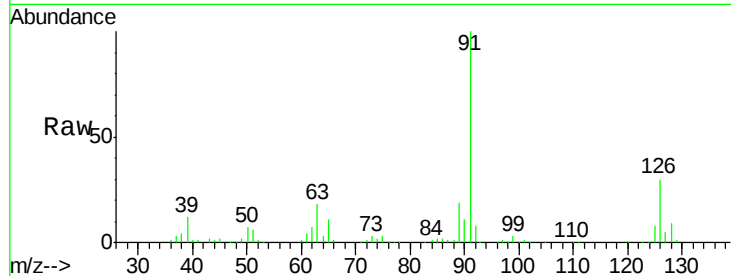




#79
 2-Chlorotoluene
 Concen: 47.28 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

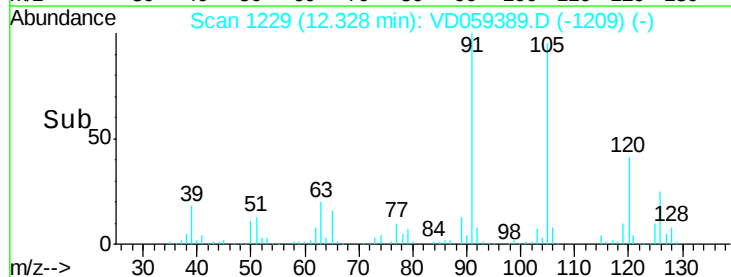
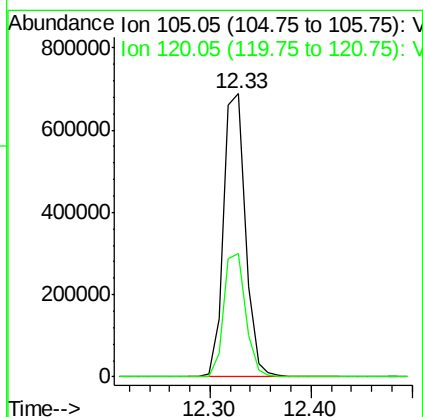
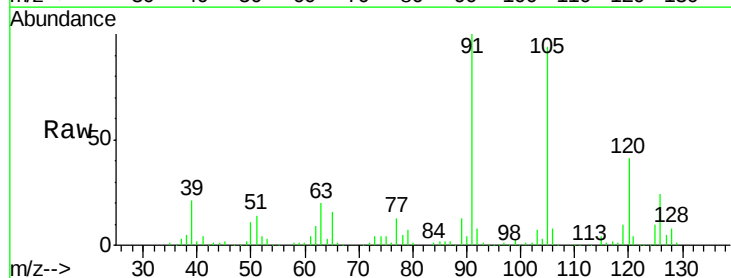
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

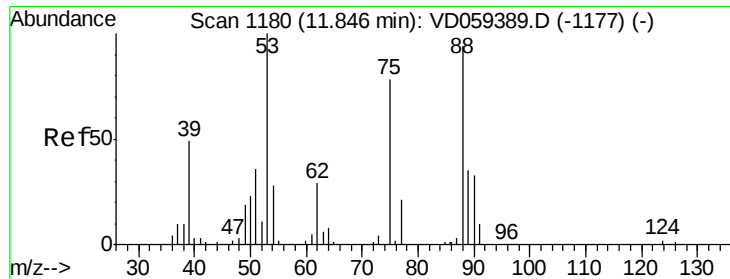
Tot Ion: 91 Resp: 1011335
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 46.13 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 105 Resp: 1039821
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.30 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

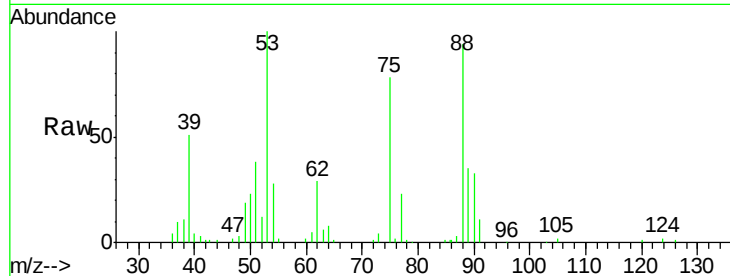
Tot Ion: 75 Resp: 82398

Ion Ratio Lower Upper

75 100

53 128.3 102.6 154.0

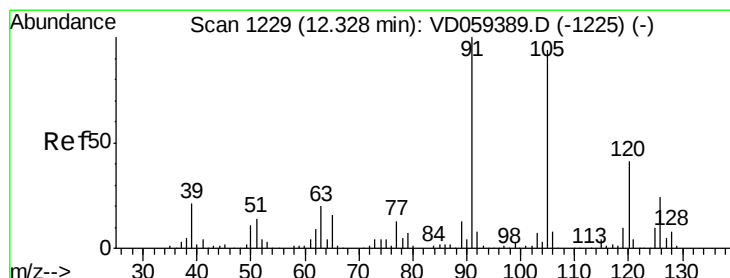
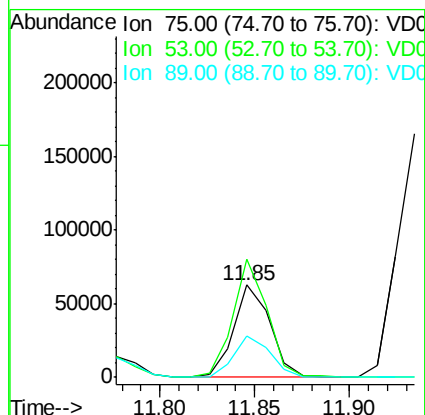
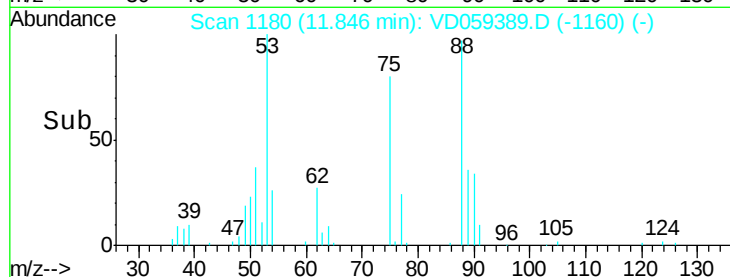
89 44.9 35.9 53.9



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: 44.43 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD059389.D

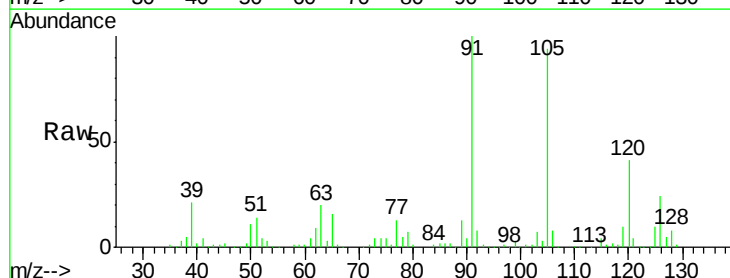
Acq: 25 Jun 2018 1:18

Tgt Ion: 91 Resp: 1066735

Ion Ratio Lower Upper

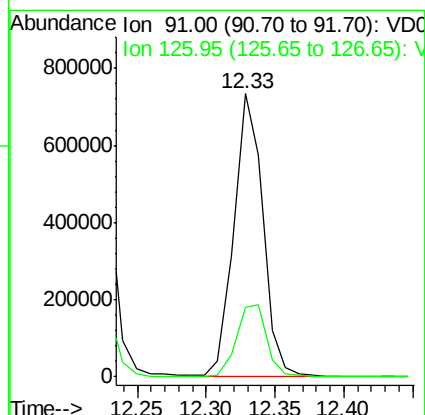
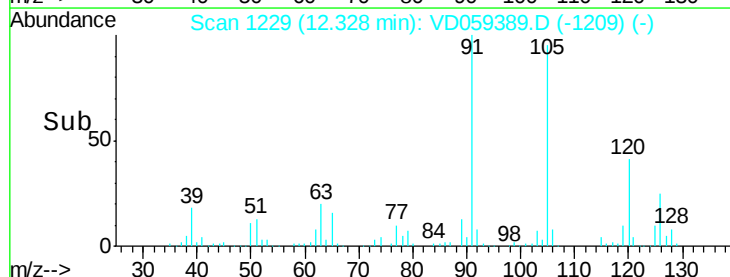
91 100

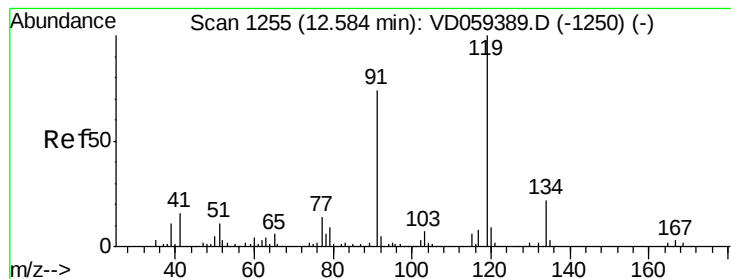
126 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 45.48 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

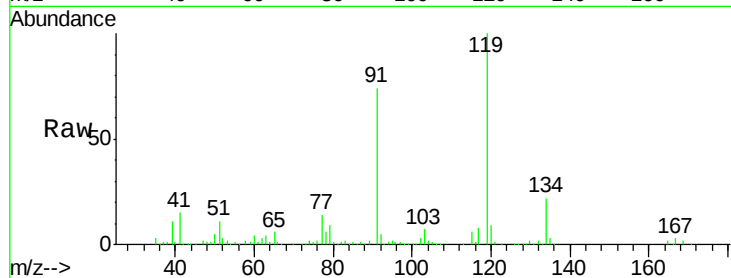
Tot Ion:119 Resp: 1173603

Ion Ratio Lower Upper

119 100

91 73.8 36.9 110.7

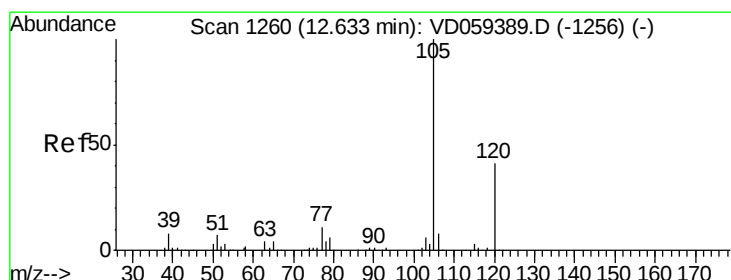
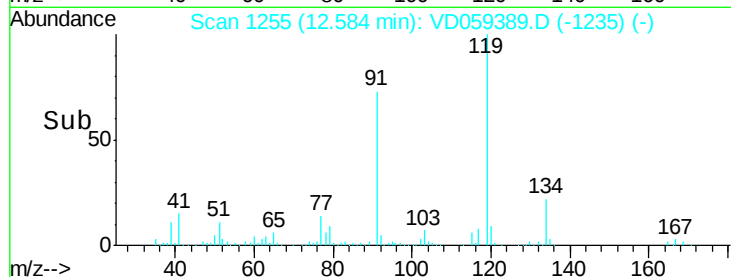
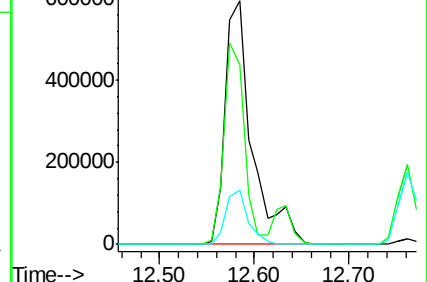
134 22.4 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.81 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD059389.D

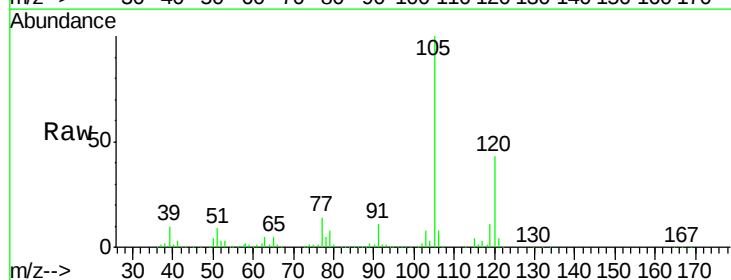
Acq: 25 Jun 2018 1:18

Tgt Ion:105 Resp: 1149749

Ion Ratio Lower Upper

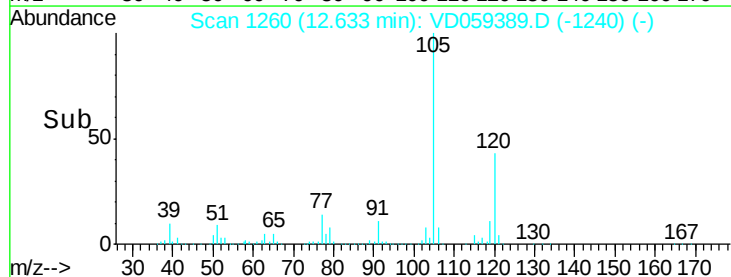
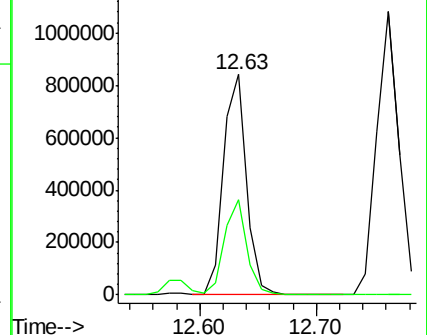
105 100

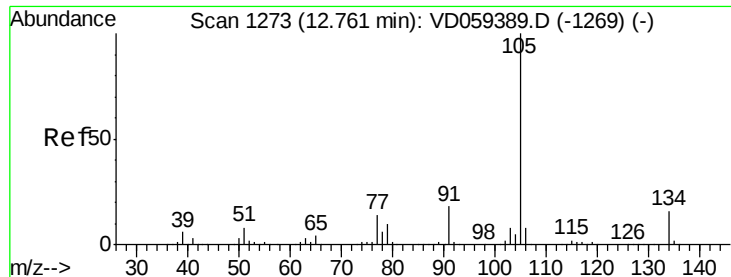
120 43.0 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

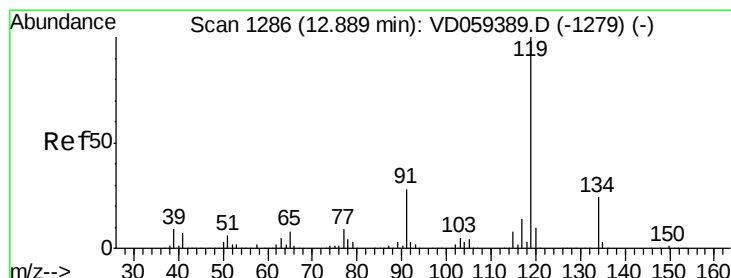
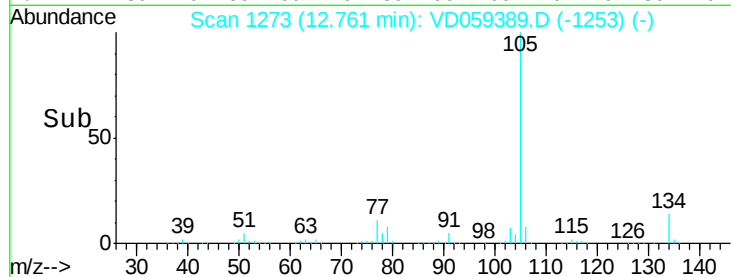
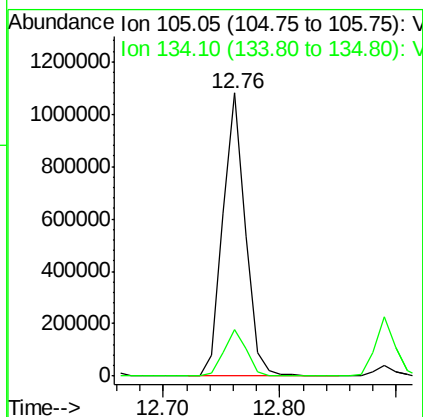
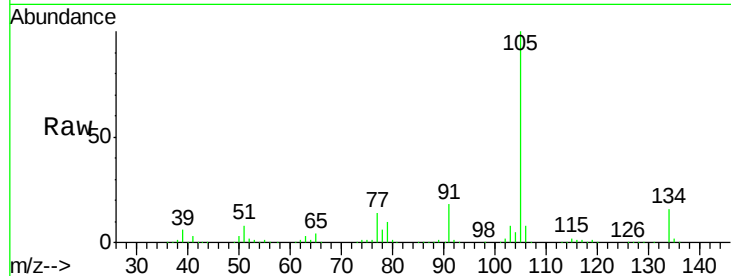




#85
 sec-Butylbenzene
 Concen: 47.40 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

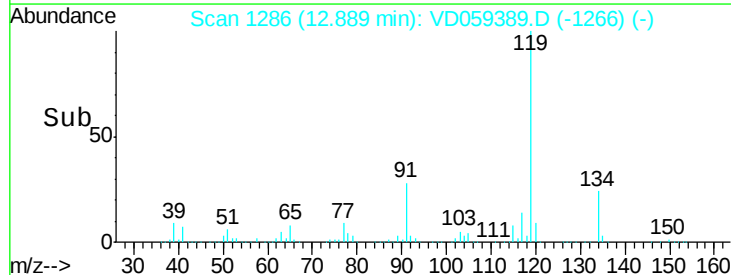
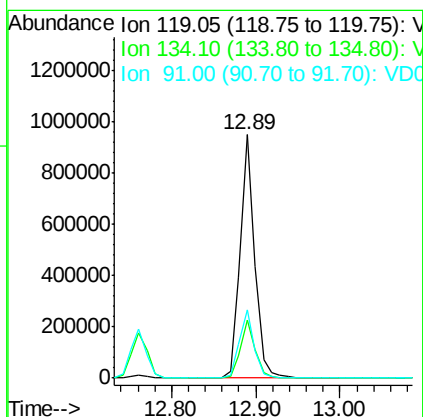
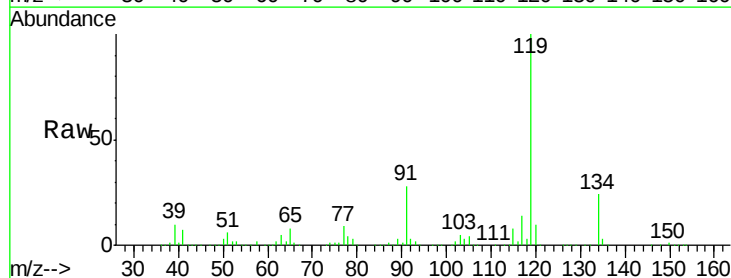
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1438661
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 45.92 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion:119 Resp: 1132325
 Ion Ratio Lower Upper
 119 100
 134 23.7 11.9 35.5
 91 28.3 14.1 42.4

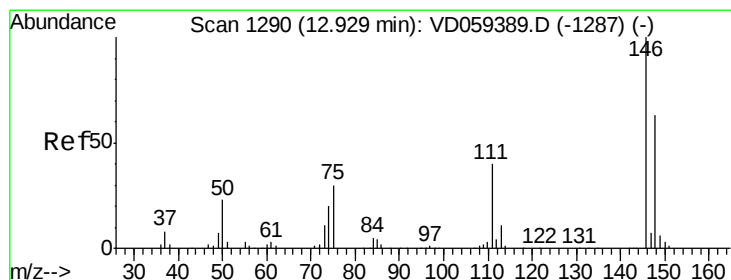
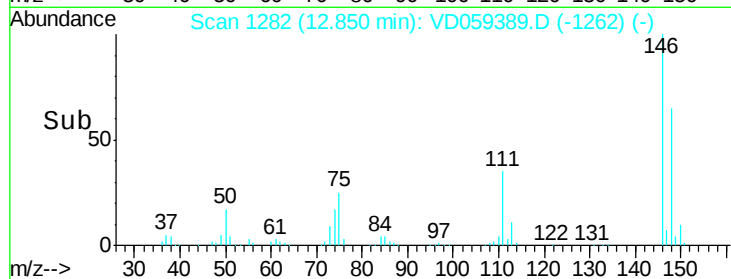
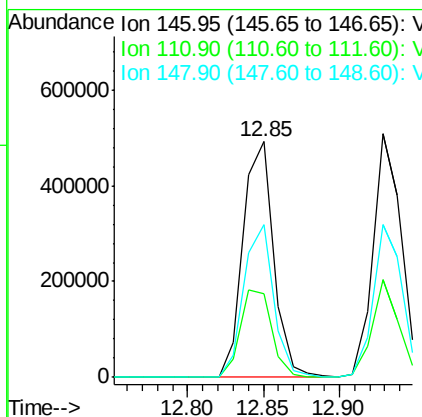
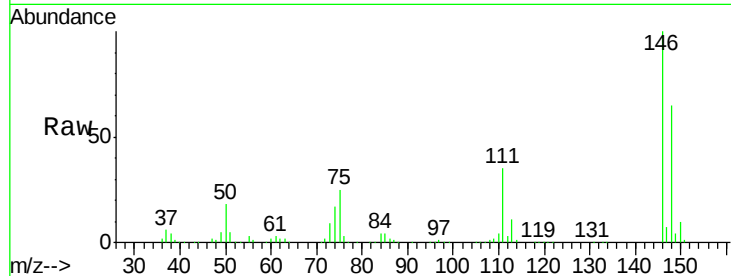




#87
 1,3-Dichlorobenzene
 Concen: 46.04 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

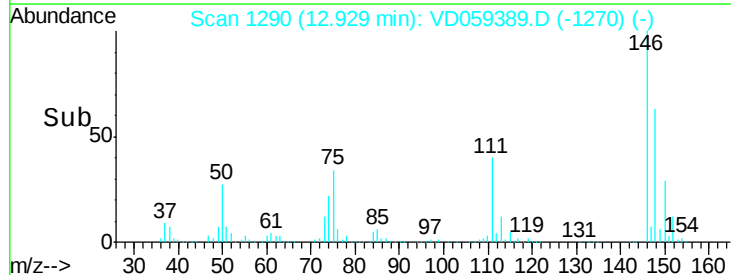
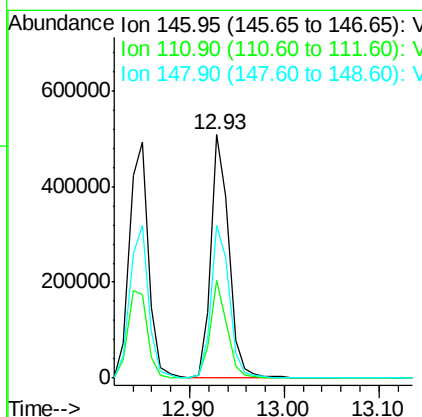
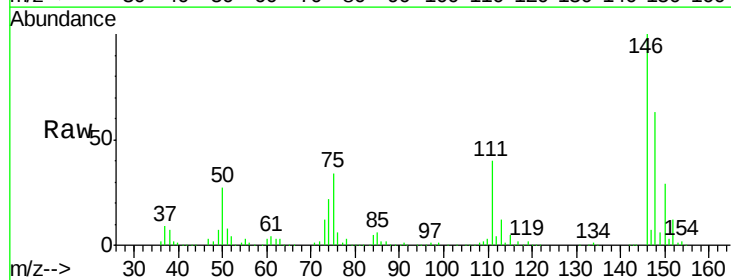
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

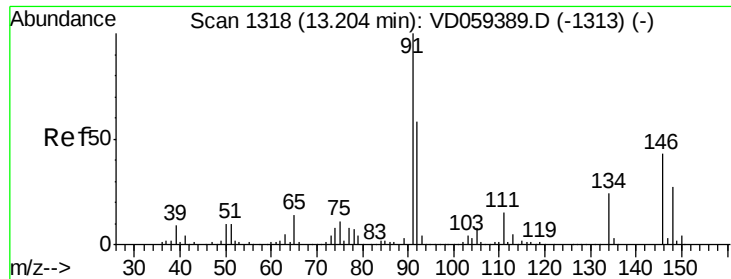
Tot Ion:146 Resp: 692918
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.6 52.8
 148 64.8 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 46.18 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion:146 Resp: 678622
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.2
 148 62.7 31.4 94.0

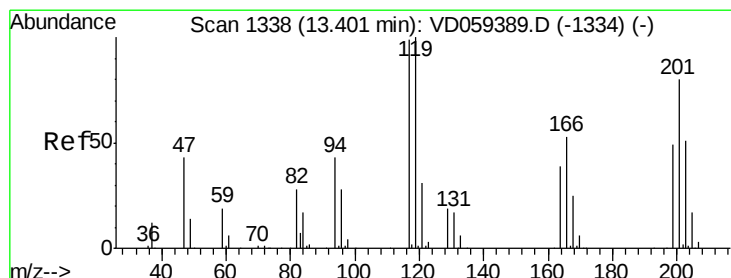
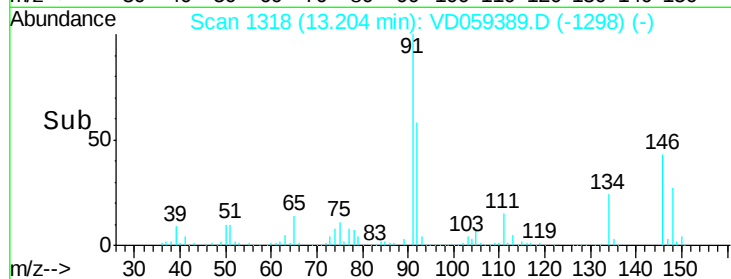
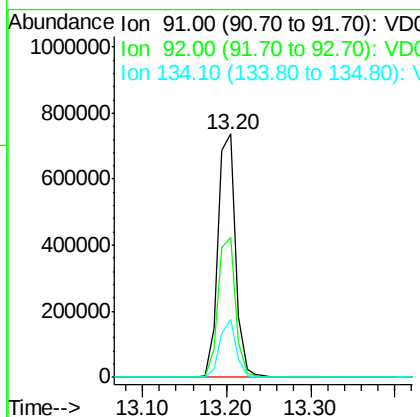
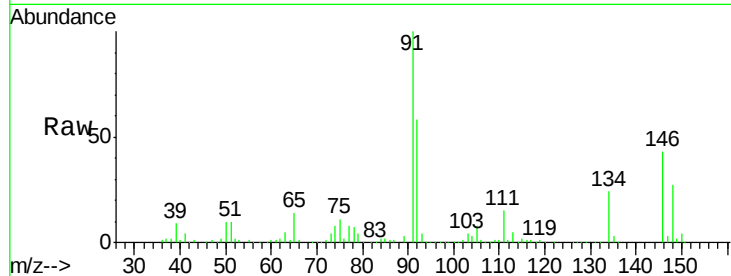




#89
n-Butylbenzene
Concen: 41.76 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

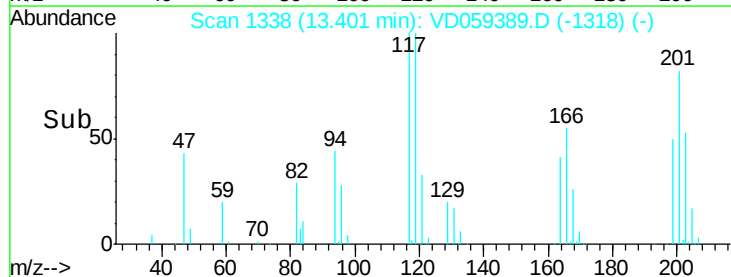
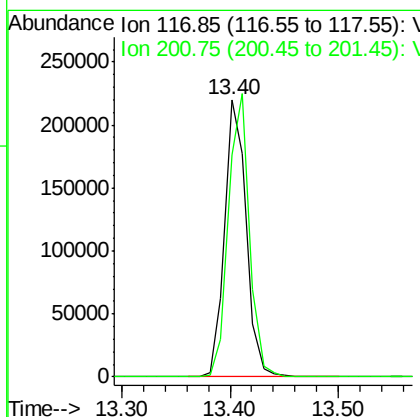
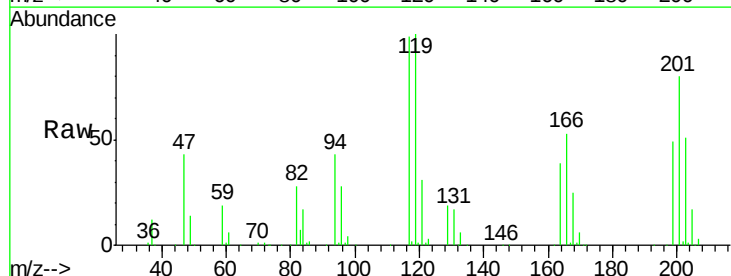
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

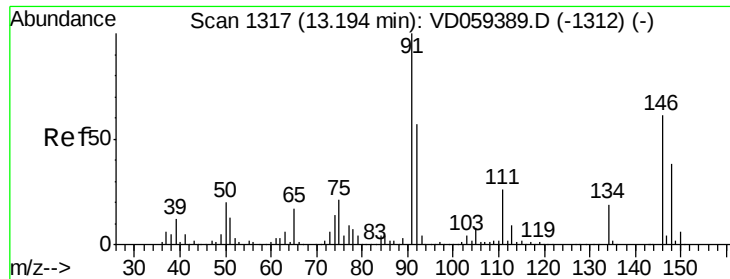
Tot Ion: 91 Resp: 1067596
Ion Ratio Lower Upper
91 100
92 57.7 28.8 86.5
134 23.8 11.9 35.7



#90
Hexachloroethane
Concen: 48.14 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. 0.00 min
Lab File: VD059389.D
Acq: 25 Jun 2018 1:18

Tgt Ion: 117 Resp: 305686
Ion Ratio Lower Upper
117 100
201 80.2 40.1 120.3

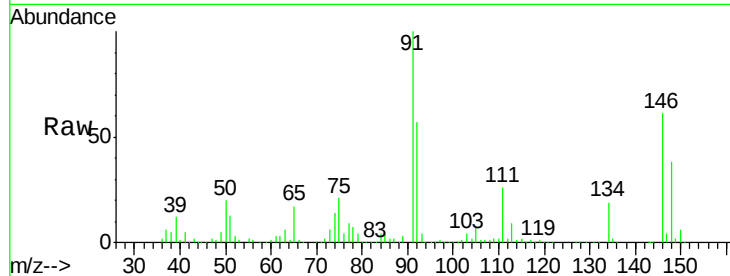




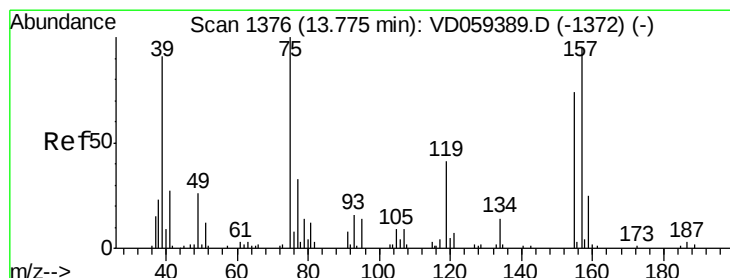
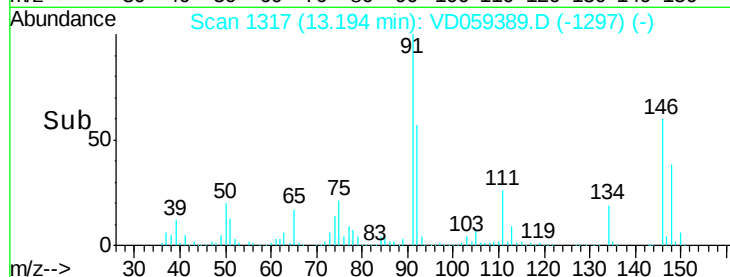
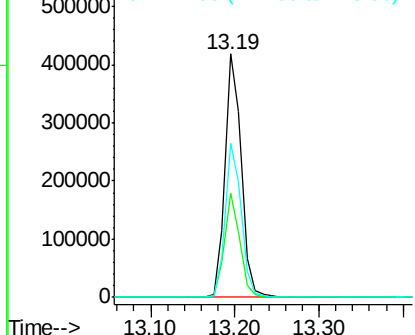
#91
 1,2-Dichlorobenzene
 Concen: 43.93 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion:146 Resp: 558673
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.4 64.2
 148 63.3 31.6 95.0

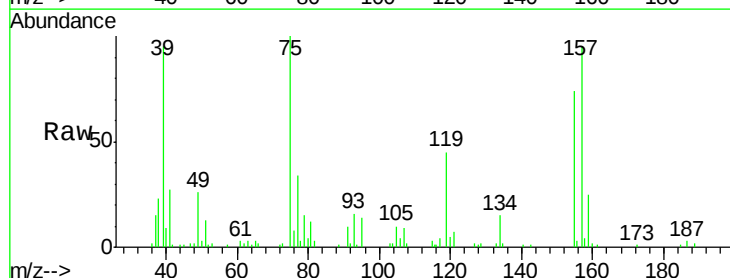


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

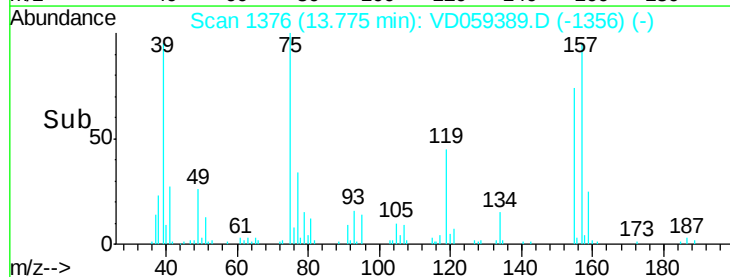
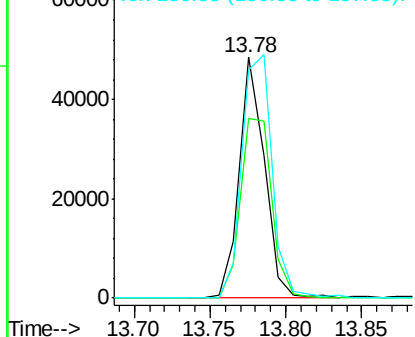


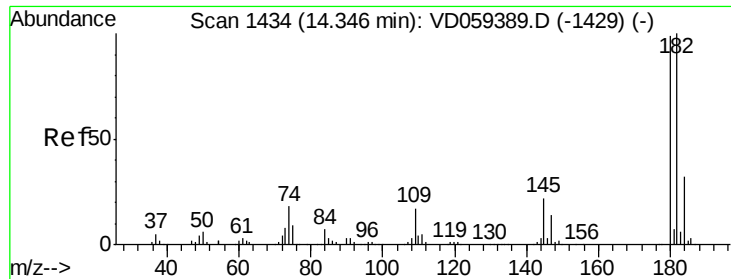
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.65 ug/l
 RT: 13.78 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion: 75 Resp: 56137
 Ion Ratio Lower Upper
 75 100
 155 74.4 37.2 111.6
 157 94.8 47.4 142.2



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

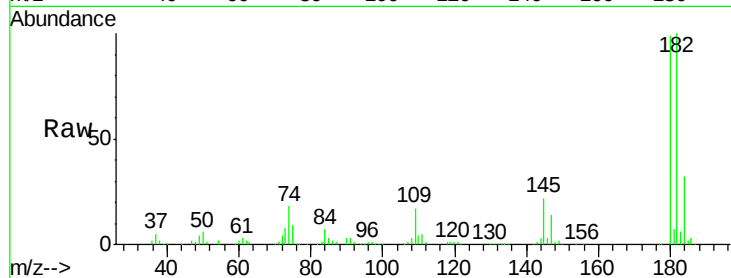




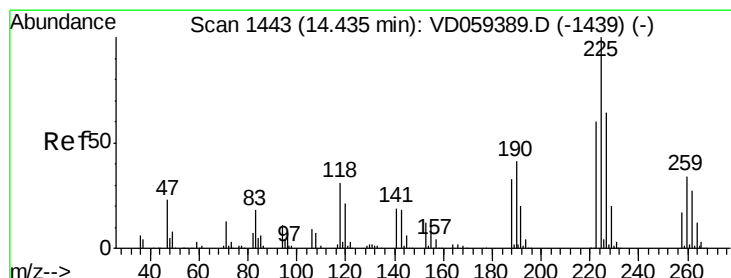
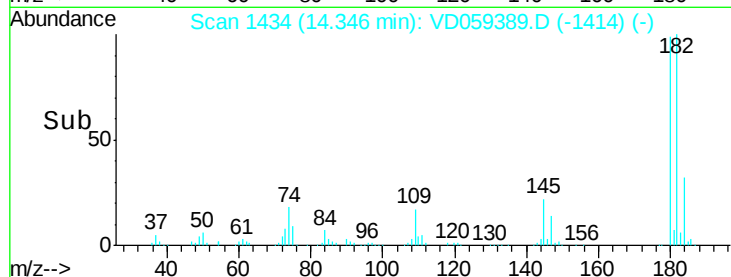
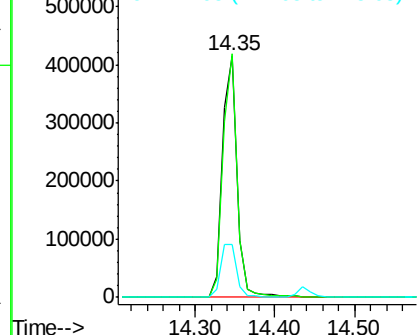
#93
 1,2,4-Trichlorobenzene
 Concen: 45.02 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 543756
 Ion Ratio Lower Upper
 180 100
 182 100.8 50.4 151.2
 145 22.0 11.0 33.0

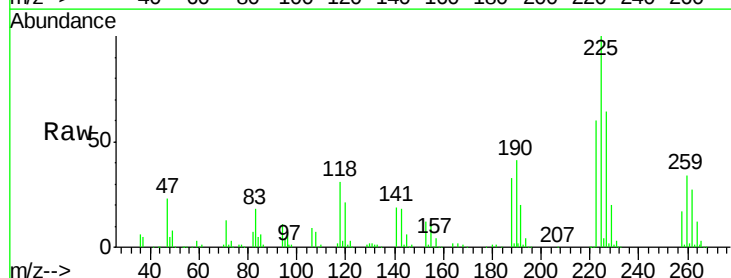


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

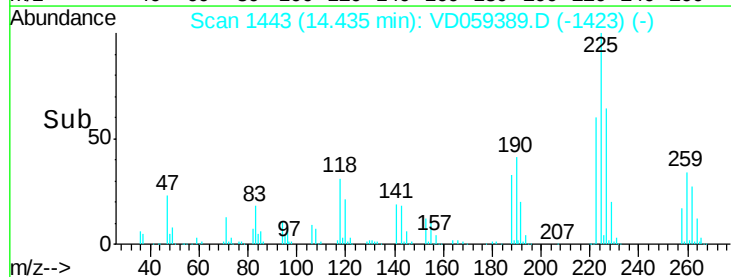
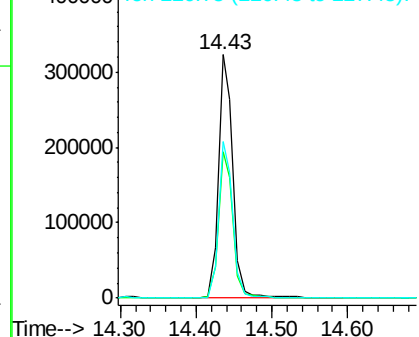


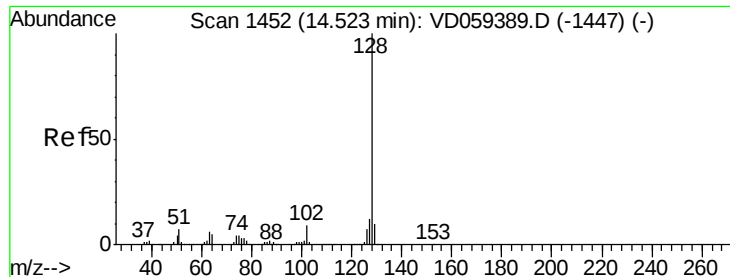
#94
 Hexachlorobutadiene
 Concen: 45.76 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059389.D
 Acq: 25 Jun 2018 1:18

Tgt Ion:225 Resp: 436483
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.0 90.1
 227 64.3 32.1 96.5



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





#95

Naphthalene

Concen: 47.90 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

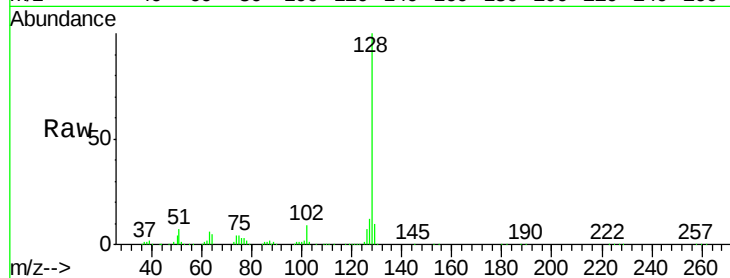
Tot Ion:128 Resp: 760816

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

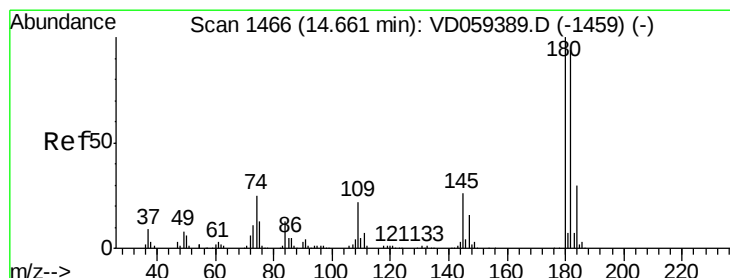
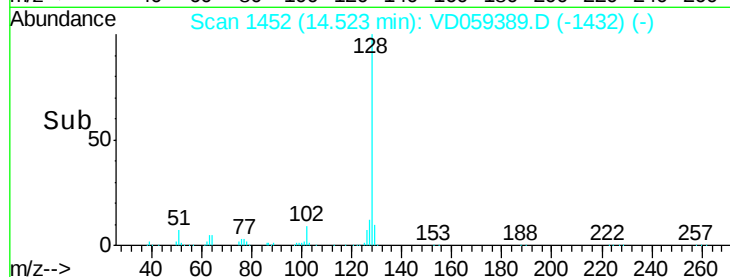
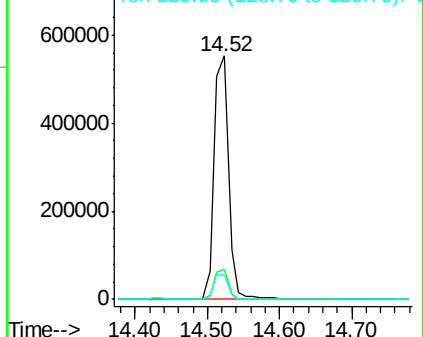
129 10.2 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.16 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VD059389.D

Acq: 25 Jun 2018 1:18

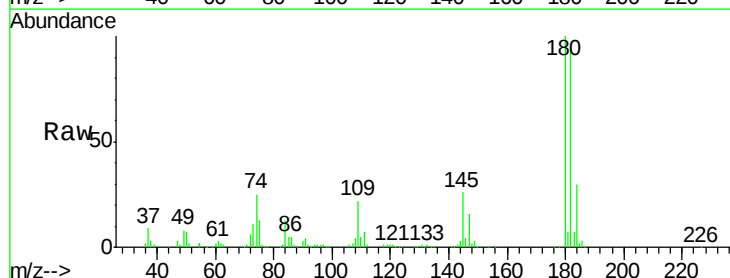
Tgt Ion:180 Resp: 502812

Ion Ratio Lower Upper

180 100

182 94.3 47.1 141.4

145 26.2 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

