

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059388.D
 Acq On : 25 Jun 2018 00:50
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 25 06:55:33 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	924827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1213862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	993239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	539387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	203053	21.82	ug/l	0.00
Spiked Amount			Recovery	=	43.64%	
35) Dibromofluoromethane	5.55	113	211910	21.54	ug/l	0.00
Spiked Amount			Recovery	=	43.08%	
50) Toluene-d8	8.71	98	491586	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	
62) 4-Bromofluorobenzene	11.93	95	203697	20.97	ug/l	0.00
Spiked Amount			Recovery	=	41.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	196540	21.30	ug/l	95
3) Chloromethane	1.49	50	94332	20.70	ug/l	# 87
4) Vinyl Chloride	1.55	62	98178	20.57	ug/l	99
5) Bromomethane	1.79	94	27654	15.66	ug/l	85
6) Chloroethane	1.88	64	30589	17.08	ug/l	90
7) Trichlorofluoromethane	2.08	101	126199	18.89	ug/l	99
8) Diethyl Ether	2.34	74	30738	21.93	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.55	101	82855	19.75	ug/l	94
10) Methyl Iodide	2.69	142	92297	19.19	ug/l	97
11) Tert butyl alcohol	3.28	59	29937	95.19	ug/l	# 93
12) 1,1-Dichloroethene	2.54	96	63775	20.32	ug/l	91
13) Acrolein	2.47	56	40140	199.55	ug/l	86
14) Allyl chloride	2.92	41	148122	20.44	ug/l	98
15) Acrylonitrile	3.36	53	109597	130.52	ug/l	96
16) Acetone	2.62	43	118381	95.47	ug/l	# 86
17) Carbon Disulfide	2.76	76	197029	18.63	ug/l	96
18) Methyl Acetate	2.94	43	58323	21.42	ug/l	# 92
19) Methyl tert-butyl Ether	3.41	73	321386	34.14	ug/l	98
20) Methylene Chloride	3.07	84	73766	18.75	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	110356	28.97	ug/l	94
22) Diisopropyl ether	4.08	45	552843	19.25	ug/l	98
23) Vinyl Acetate	4.02	43	1495918	98.14	ug/l	99
24) 1,1-Dichloroethane	3.98	63	321255	20.63	ug/l	98
25) 2-Butanone	4.84	43	256031	95.05	ug/l	100
26) 2,2-Dichloropropane	4.80	77	242310	18.70	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	194968	22.62	ug/l	89
28) Bromochloromethane	5.15	49	145816	20.95	ug/l	91
29) Tetrahydrofuran	5.20	42	150286	104.79	ug/l	96
30) Chloroform	5.33	83	351520	21.25	ug/l	98
31) Cyclohexane	5.60	56	241574	18.34	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	277945	20.32	ug/l	96
36) 1,1-Dichloropropene	5.75	75	231211	19.56	ug/l	98
37) Ethyl Acetate	4.93	43	141389	21.21	ug/l	95
38) Carbon Tetrachloride	5.73	117	234882	19.94	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	221290	19.32	ug/l	97
40) Benzene	6.01	78	578409	20.46	ug/l	100
41) Methacrylonitrile	5.13	41	69434	21.04	ug/l	90
42) 1,2-Dichloroethane	6.13	62	248226	21.62	ug/l	95
43) Isopropyl Acetate	7.63	43	165270	18.74	ug/l #	98
44) Trichloroethene	6.99	130	183184	21.47	ug/l	93
45) 1,2-Dichloropropane	7.35	63	162963	21.61	ug/l	96
46) Dibromomethane	7.47	93	113780	21.90	ug/l	88
47) Bromodichloromethane	7.75	83	250106	20.82	ug/l	99
48) Methyl methacrylate	7.51	41	111504	20.76	ug/l	97
49) 1,4-Dioxane	7.49	88	21192	436.42	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	622996	107.68	ug/l	100
52) Toluene	8.81	92	344214	21.32	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	208512	20.30	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	251903	21.08	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	125325	21.92	ug/l	98
56) Ethyl methacrylate	9.32	69	144903	21.50	ug/l	96
57) 1,3-Dichloropropane	9.67	76	201532	20.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	363580	108.77	ug/l	92
59) 2-Hexanone	9.79	43	436441	103.78	ug/l	99
60) Dibromochloromethane	9.96	129	168536	21.67	ug/l	95
61) 1,2-Dibromoethane	10.10	107	142081	22.85	ug/l	100
64) Tetrachloroethene	9.52	164	185545	22.22	ug/l	99
65) Chlorobenzene	10.73	112	389571	21.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	152516	21.21	ug/l	94
67) Ethyl Benzene	10.86	91	701224	21.47	ug/l	96
68) m/p-Xylenes	11.02	106	457272	42.15	ug/l	99
69) o-Xylene	11.41	106	221628	21.14	ug/l	93
70) Styrene	11.44	104	385331	21.58	ug/l	98
71) Bromoform	11.61	173	121591	21.44	ug/l	89
73) Isopropylbenzene	11.77	105	625589	19.56	ug/l	100
74) N-amyl acetate	11.65	43	235699	19.53	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	150887	20.56	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	153759	19.96	ug/l	94
77) Bromobenzene	12.04	156	197058	20.49	ug/l	93
78) n-propylbenzene	12.16	91	783344	19.09	ug/l	98
79) 2-Chlorotoluene	12.22	91	458647	19.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	506803	20.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	34931	18.98	ug/l	96
82) 4-Chlorotoluene	12.32	91	541026	20.46	ug/l	98
83) tert-Butylbenzene	12.58	119	530592	18.67	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	516030	19.08	ug/l	99
85) sec-Butylbenzene	12.76	105	660434	19.76	ug/l	100
86) p-Isopropyltoluene	12.89	119	522200	19.23	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	326000	19.67	ug/l	99
88) 1,4-Dichlorobenzene	12.94	146	326807	20.20	ug/l	95
89) n-Butylbenzene	13.20	91	534477	18.98	ug/l	98
90) Hexachloroethane	13.41	117	122839	17.56	ug/l	62
91) 1,2-Dichlorobenzene	13.20	146	281649	20.11	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.78	75	24184	20.59	ug/l #	50

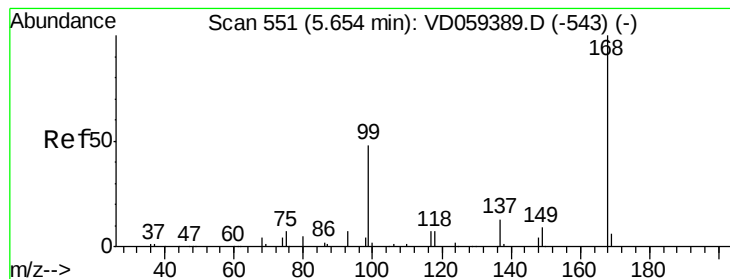
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	256467	19.28	ug/l	96
94) Hexachlorobutadiene	14.44	225	179096	17.05	ug/l	98
95) Naphthalene	14.52	128	364733	20.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	228955	19.50	ug/l	98

(#) = 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: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

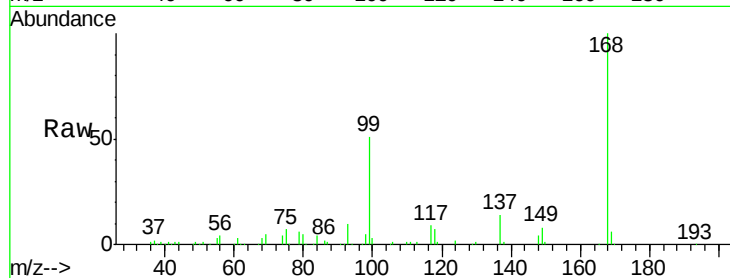
VSTDIC020

Tot Ion:168 Resp: 924827

Ion Ratio Lower Upper

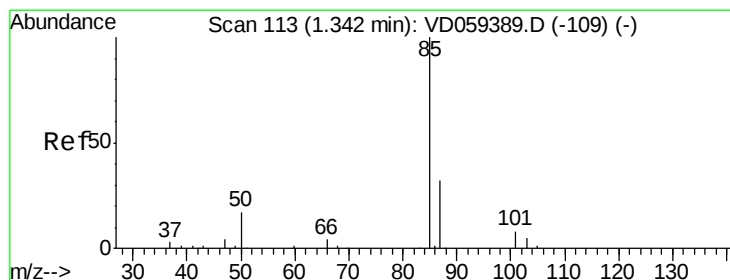
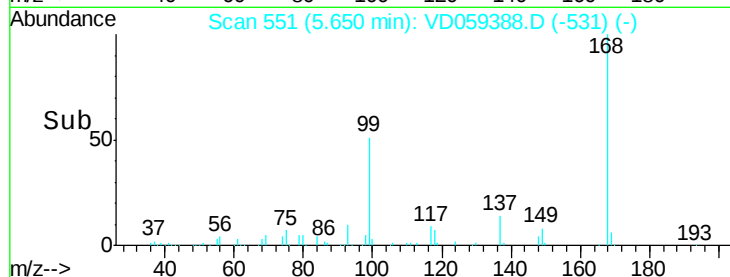
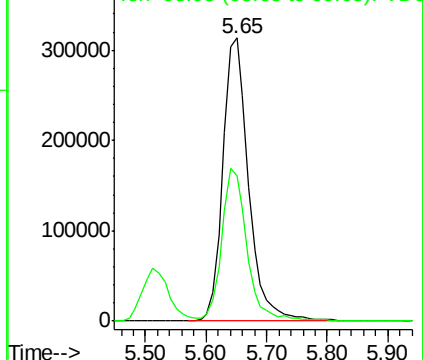
168 100

99 51.1 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: 21.30 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD059388.D

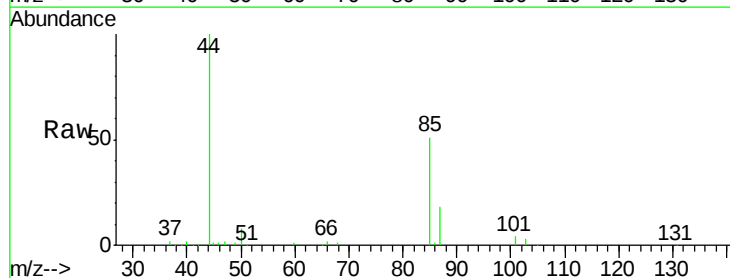
Acq: 25 Jun 2018 00:50

Tgt Ion: 85 Resp: 196540

Ion Ratio Lower Upper

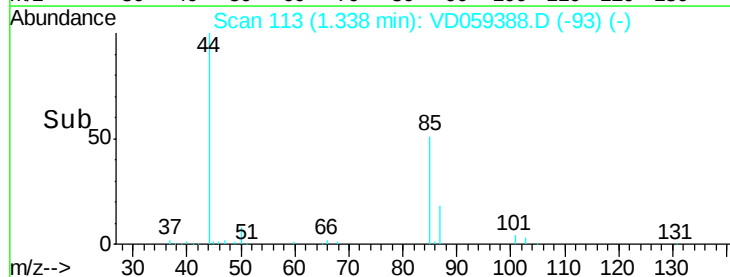
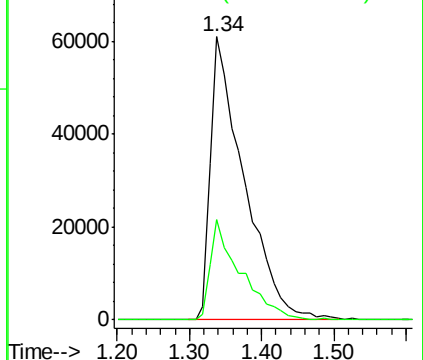
85 100

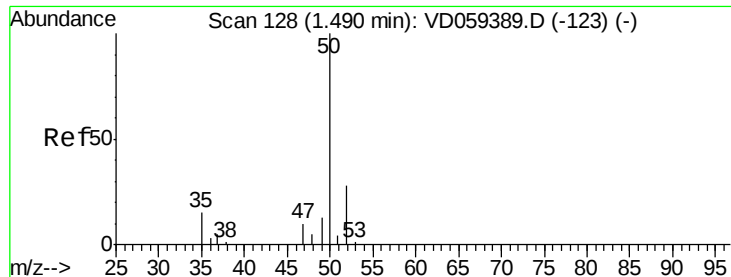
87 35.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.70 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

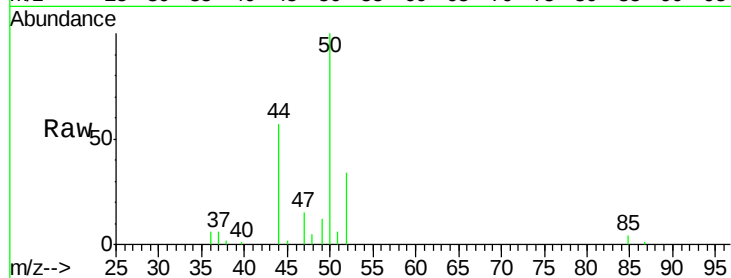
VSTDIC020

Tot Ion: 50 Resp: 94332

Ion Ratio Lower Upper

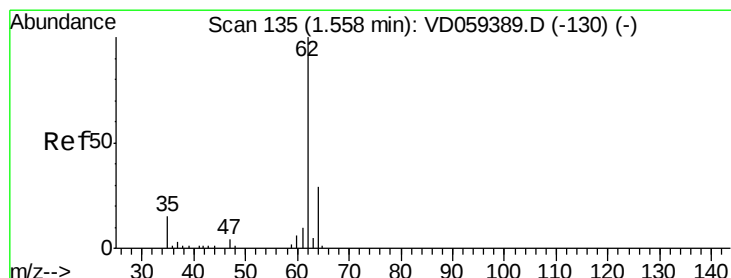
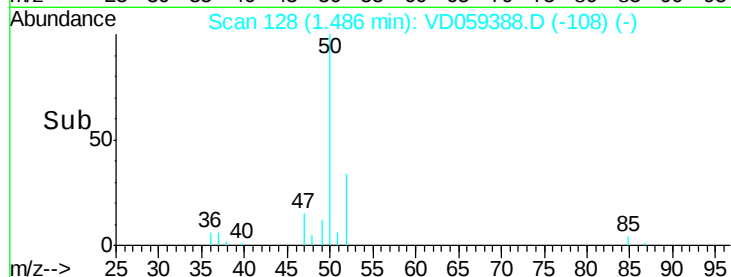
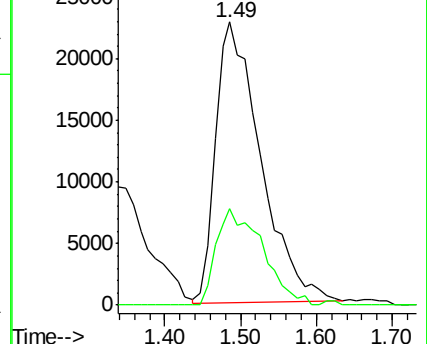
50 100

52 33.9 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.57 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD059388.D

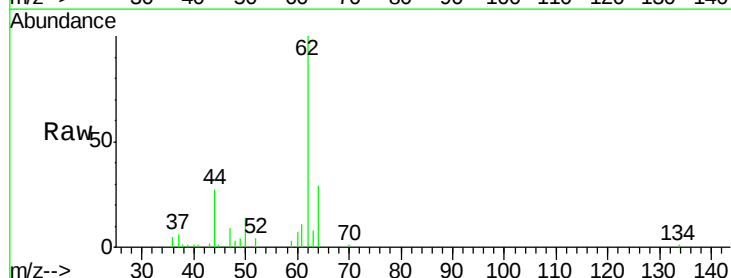
Acq: 25 Jun 2018 00:50

Tgt Ion: 62 Resp: 98178

Ion Ratio Lower Upper

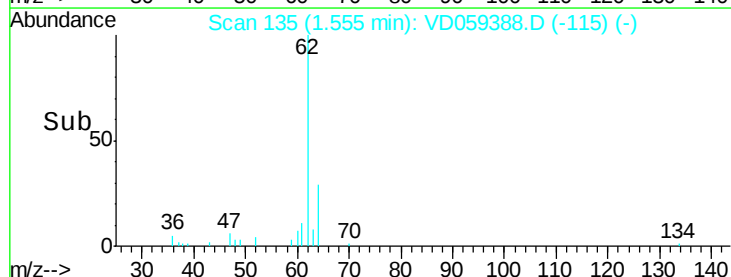
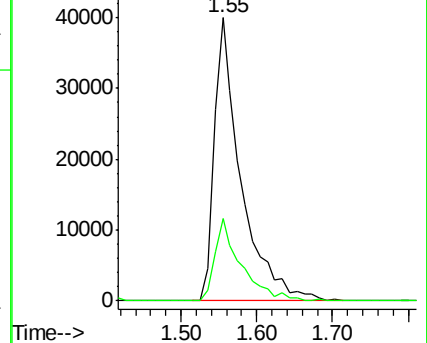
62 100

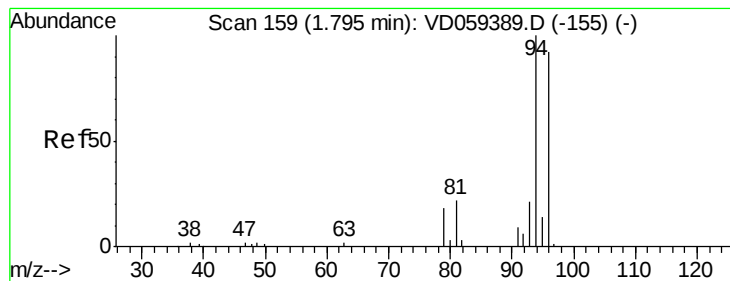
64 29.3 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.66 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

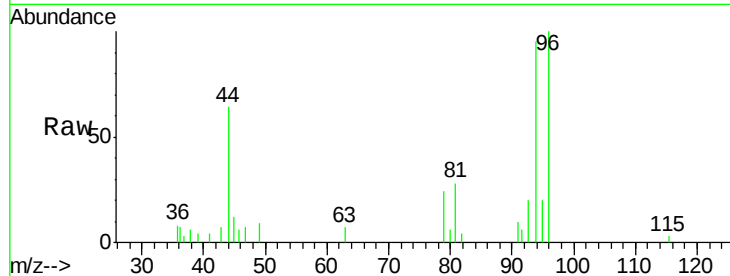
VSTDIC020

Tot Ion: 94 Resp: 27654

Ion Ratio Lower Upper

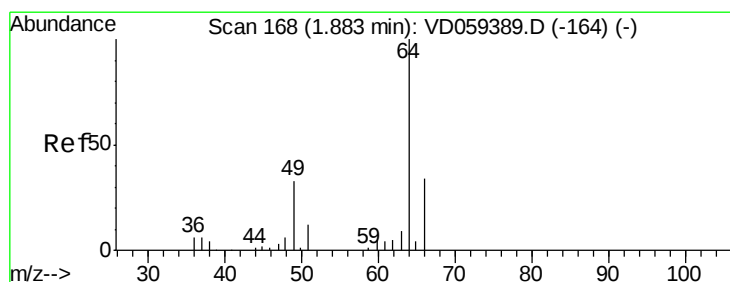
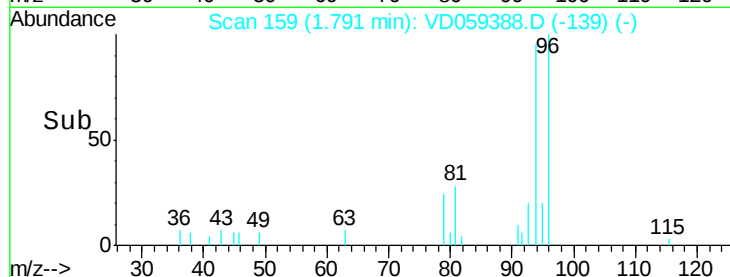
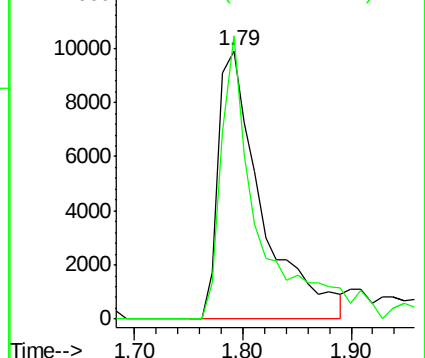
94 100

96 105.6 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.08 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD059388.D

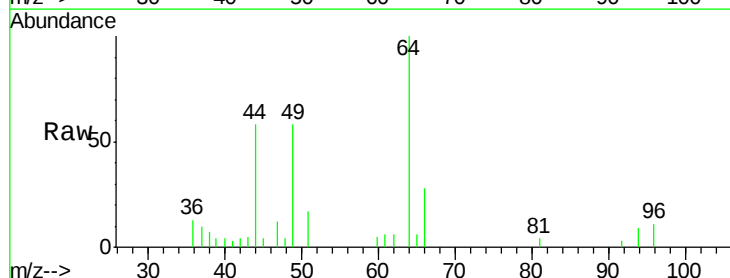
Acq: 25 Jun 2018 00:50

Tgt Ion: 64 Resp: 30589

Ion Ratio Lower Upper

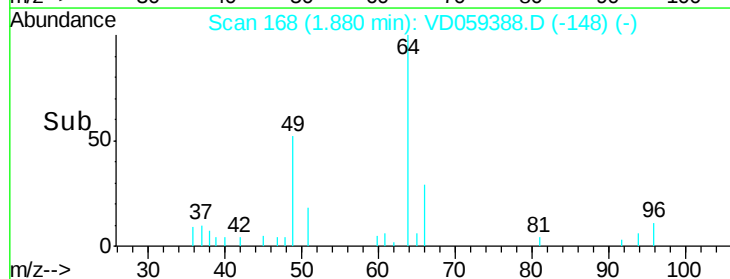
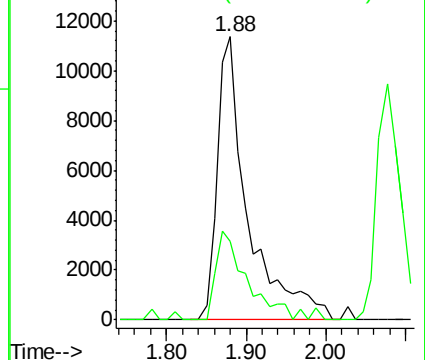
64 100

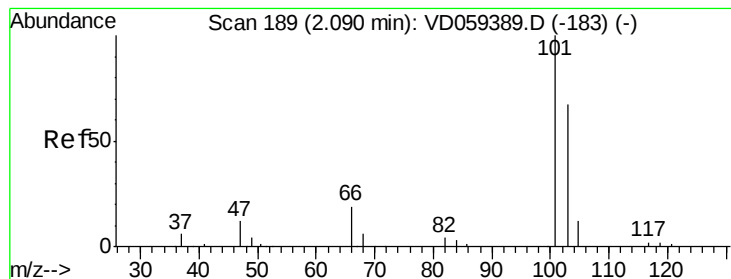
66 28.0 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



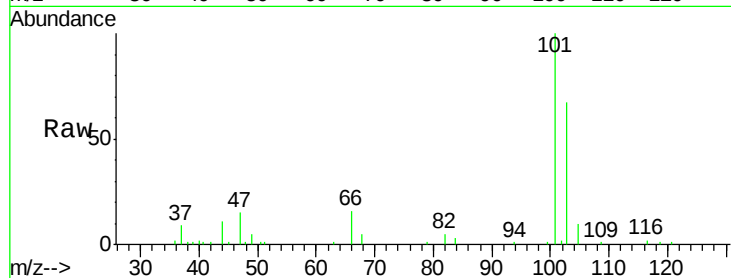


#7

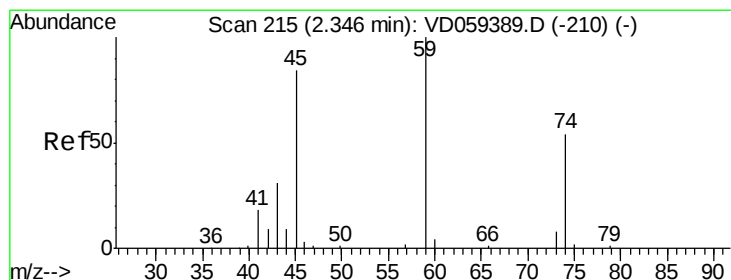
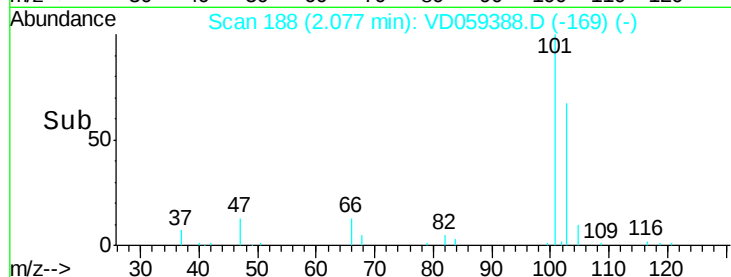
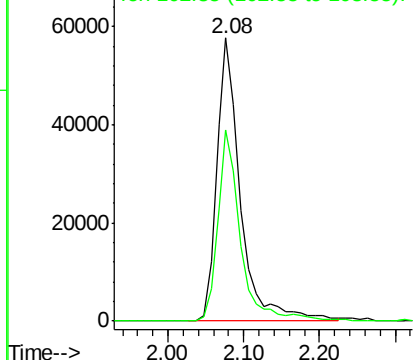
Trichlorofluoromethane
Concen: 18.89 ug/l
RT: 2.08 min Scan# 188
Delta R.T. -0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
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VSTDIC020

Tot Ion:101 Resp: 126199
Ion Ratio Lower Upper
101 100
103 67.5 53.4 80.0



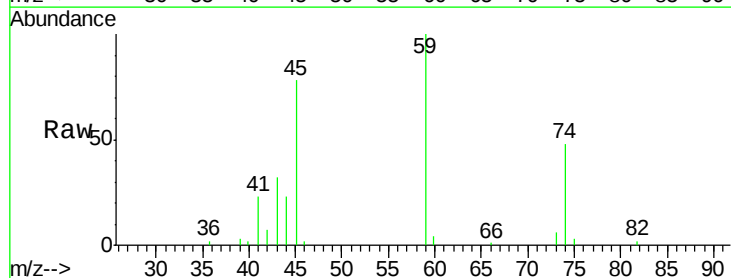
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



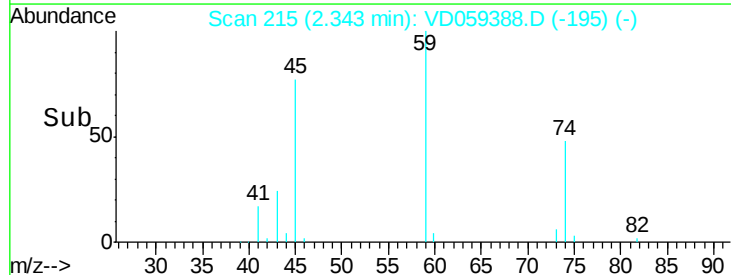
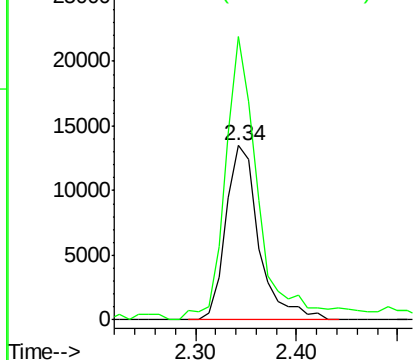
#8

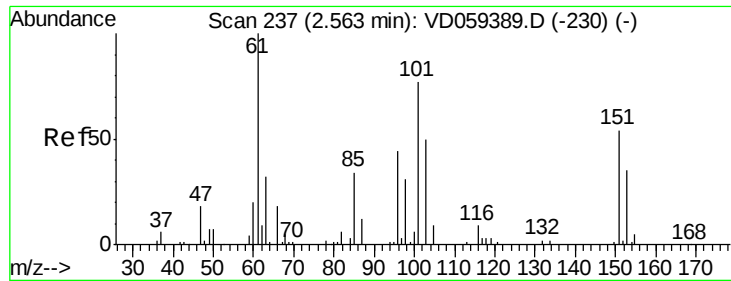
Diethyl Ether
Concen: 21.93 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 74 Resp: 30738
Ion Ratio Lower Upper
74 100
45 162.6 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: 19.75 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

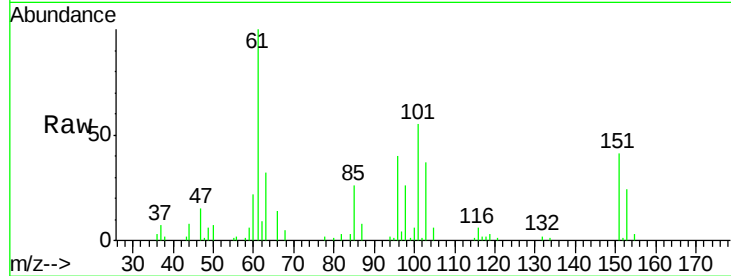
Tot Ion:101 Resp: 82855

Ion Ratio Lower Upper

101 100

85 47.8 35.7 53.5

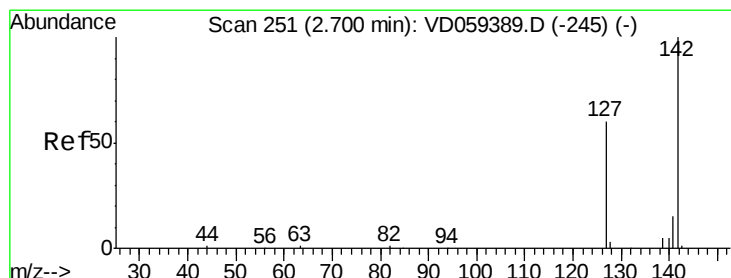
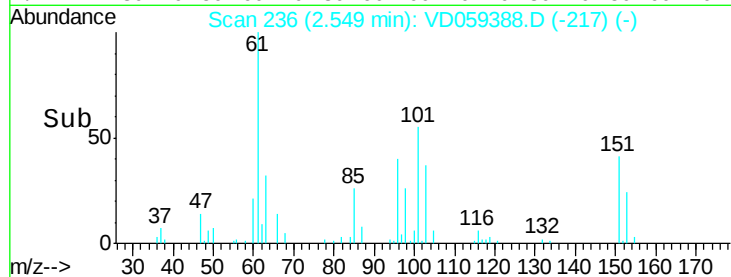
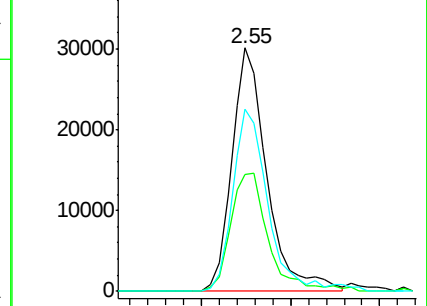
151 74.9 55.8 83.8



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: 19.19 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

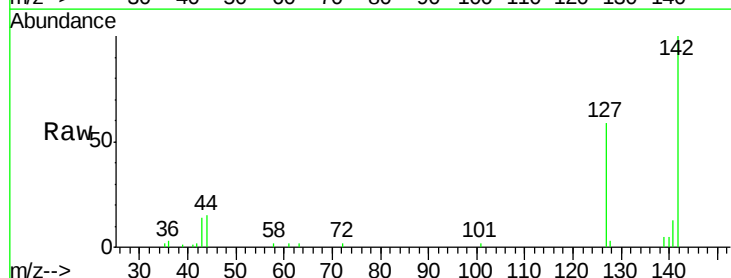
Tgt Ion:142 Resp: 92297

Ion Ratio Lower Upper

142 100

127 59.1 48.4 72.6

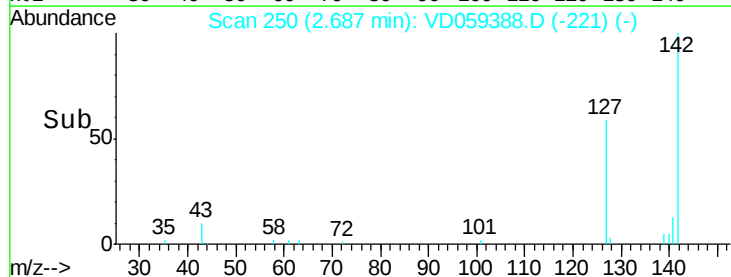
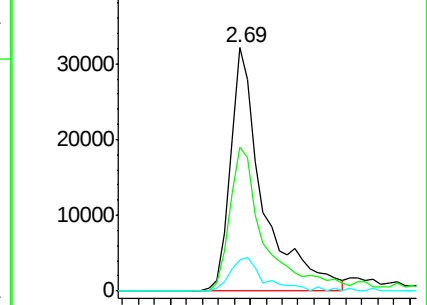
141 12.8 12.1 18.1

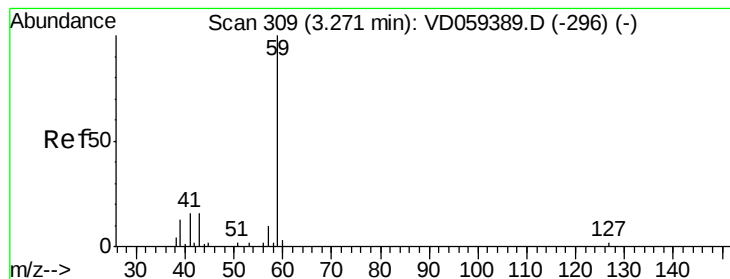


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



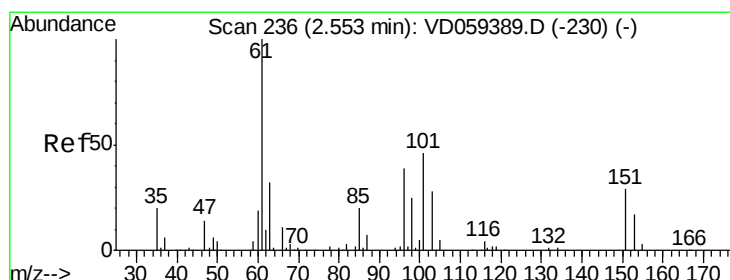
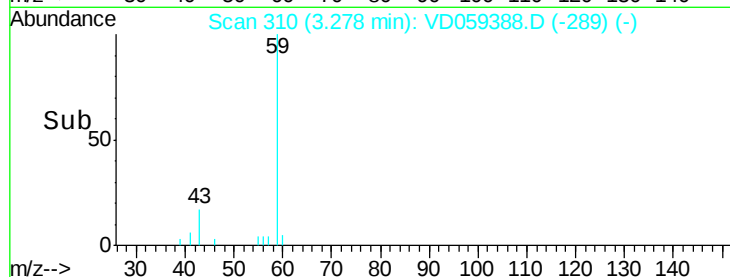
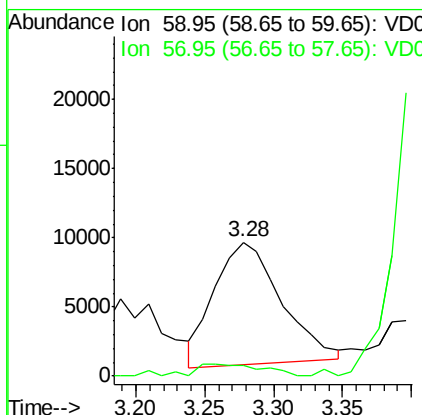
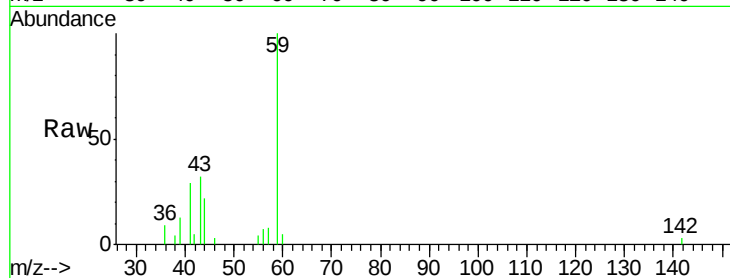


#11

Tert butyl alcohol
Concen: 95.19 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

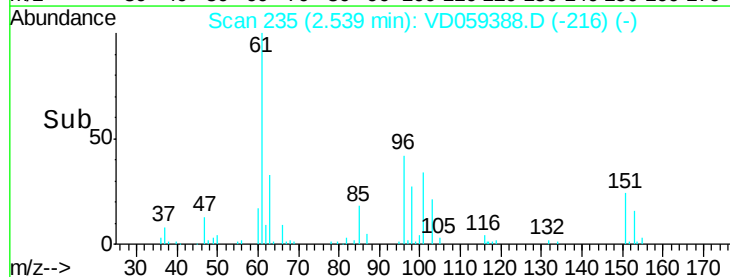
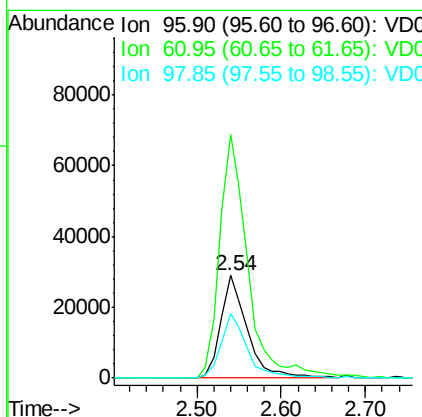
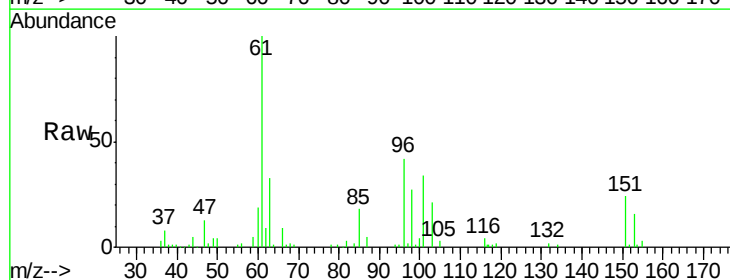
Tot Ion: 59 Resp: 29937
Ion Ratio Lower Upper
59 100
57 7.7 8.3 12.5#

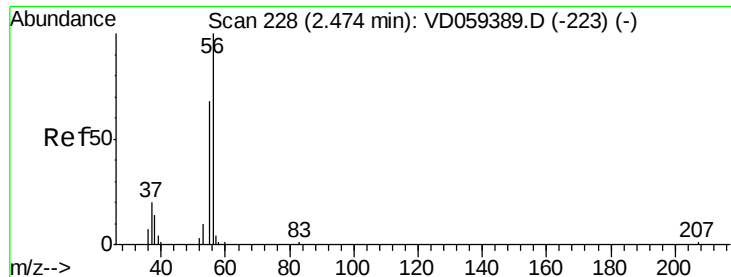


#12

1,1-Dichloroethene
Concen: 20.32 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 96 Resp: 63775
Ion Ratio Lower Upper
96 100
61 237.6 205.4 308.0
98 63.1 51.0 76.4





#13

Acrolein

Concen: 199.55 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

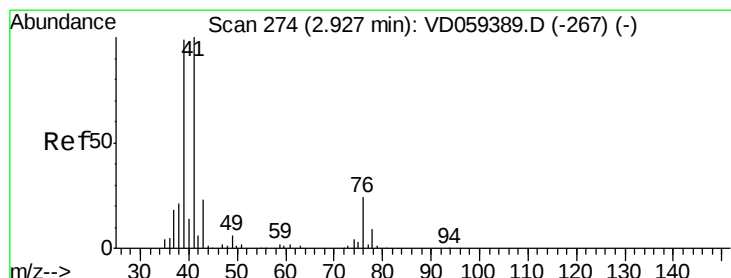
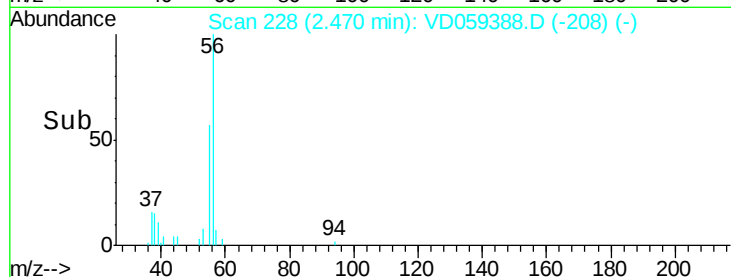
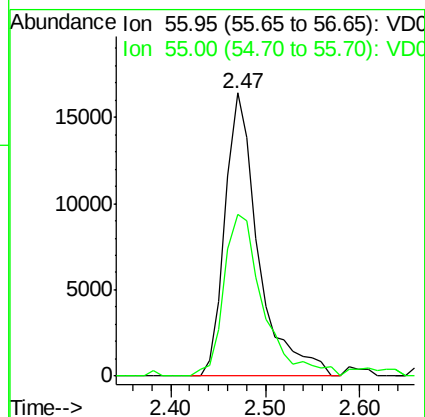
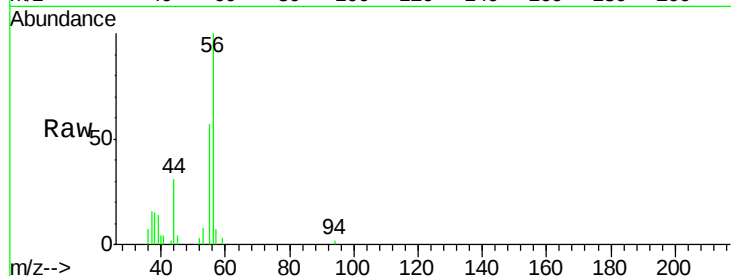
VSTDIC020

Tot Ion: 56 Resp: 40140

Ion Ratio Lower Upper

56 100

55 57.0 54.6 82.0



#14

Allyl chloride

Concen: 20.44 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

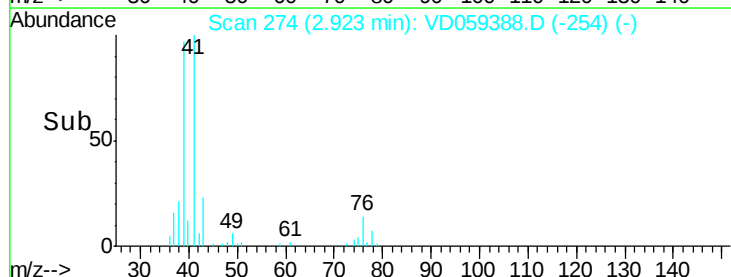
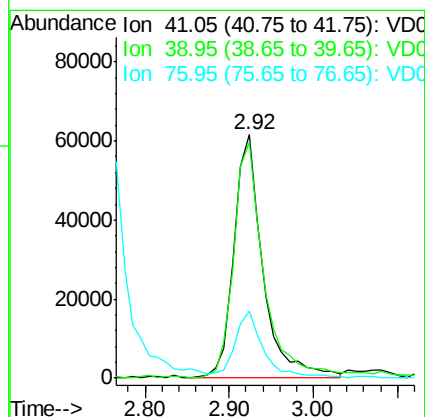
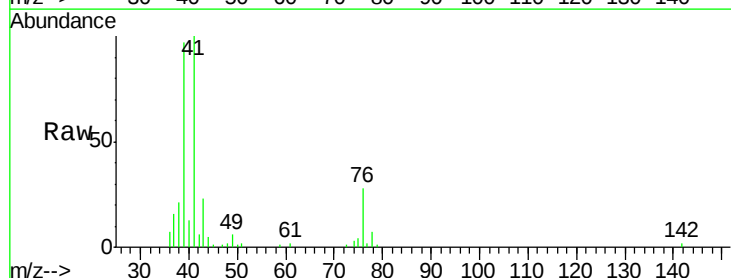
Tgt Ion: 41 Resp: 148122

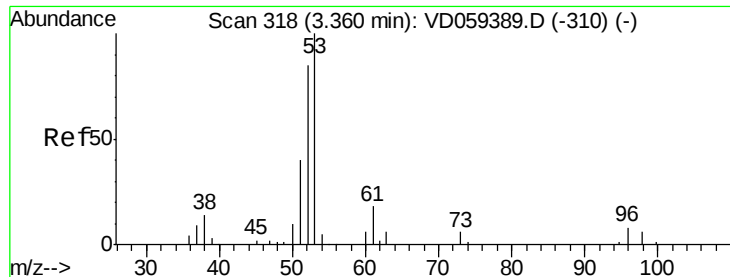
Ion Ratio Lower Upper

41 100

39 96.7 79.1 118.7

76 27.5 21.9 32.9





#15

Acrylonitrile

Concen: 130.52 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

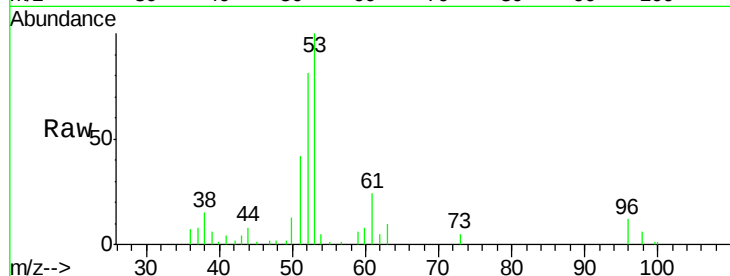
MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 109597

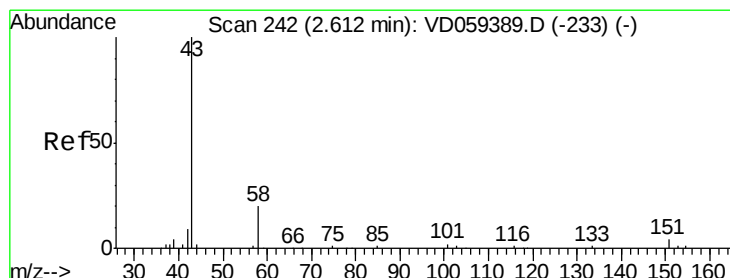
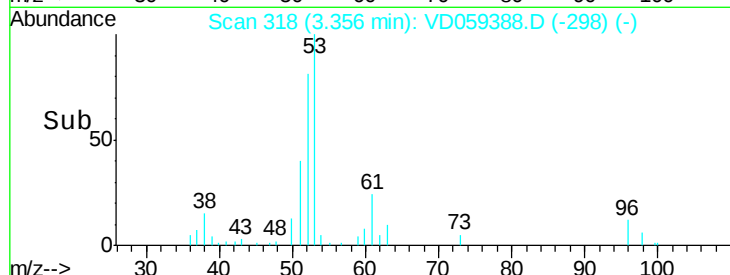
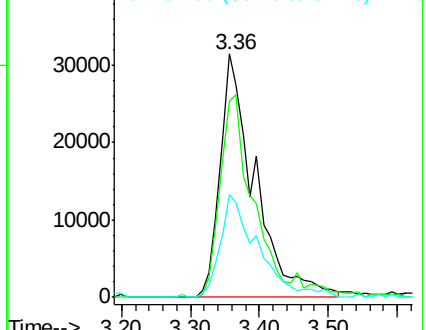
Ion	Ratio	Lower	Upper
53	100		
52	80.5	67.9	101.9
51	42.2	32.2	48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.47 ug/l

RT: 2.62 min Scan# 243

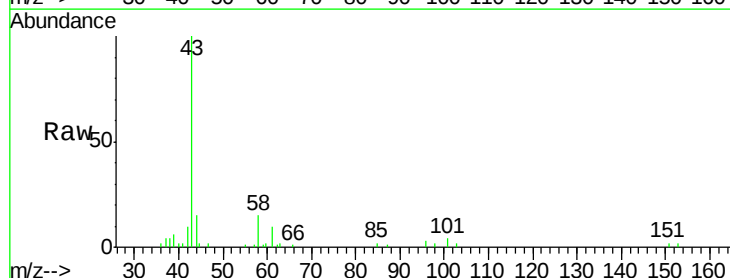
Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

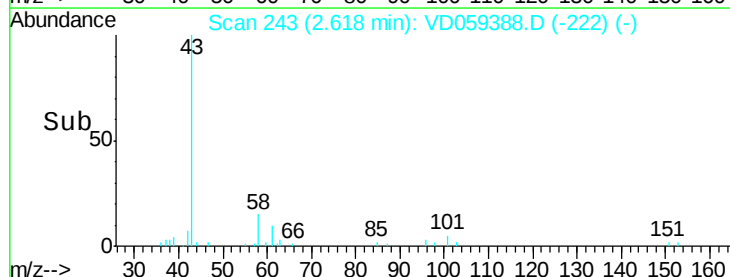
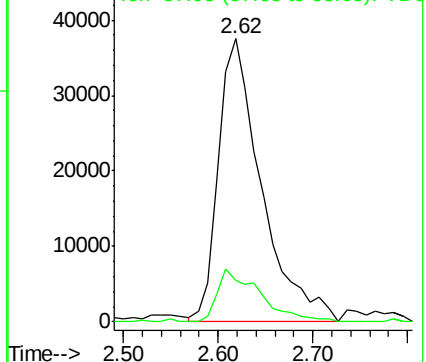
Tgt Ion: 43 Resp: 118381

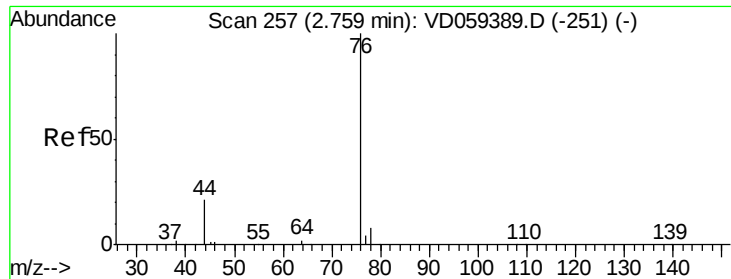
Ion	Ratio	Lower	Upper
43	100		
58	14.6	16.8	25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

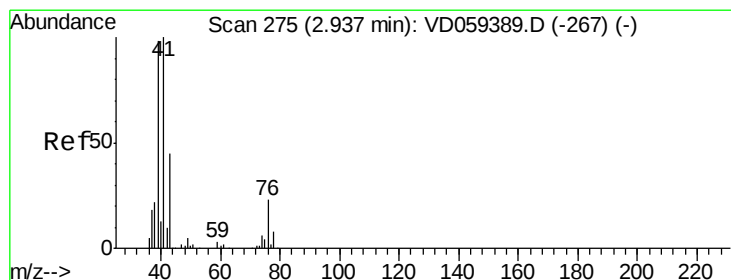
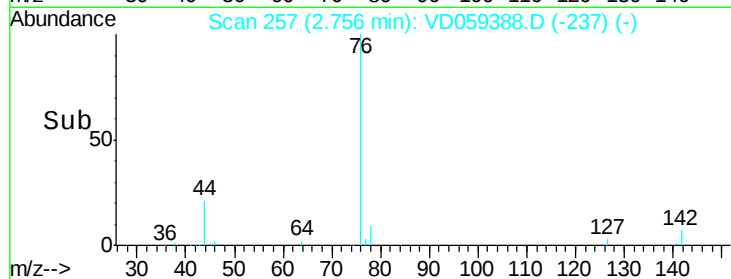
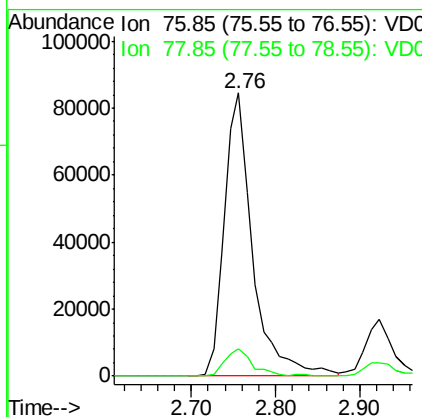
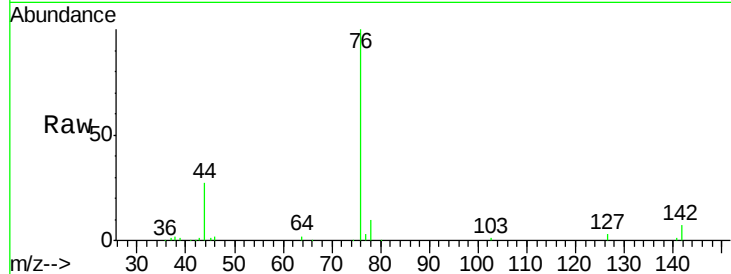




#17
Carbon Disulfide
Concen: 18.63 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

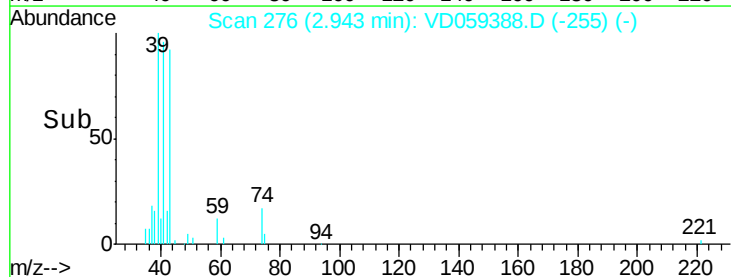
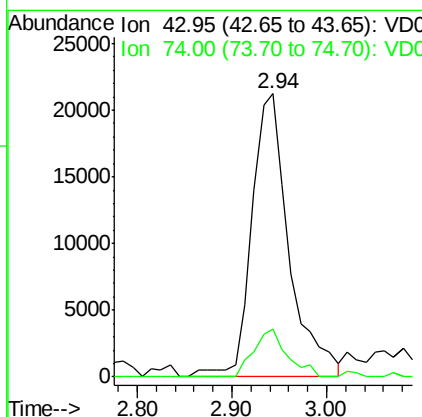
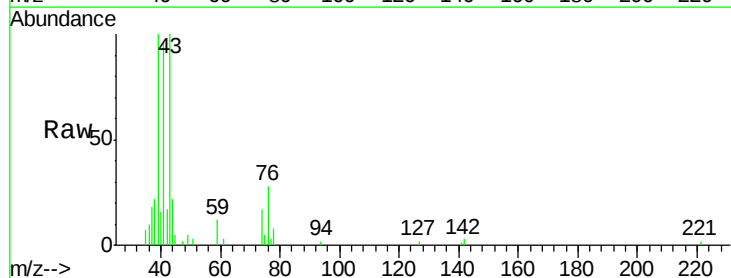
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

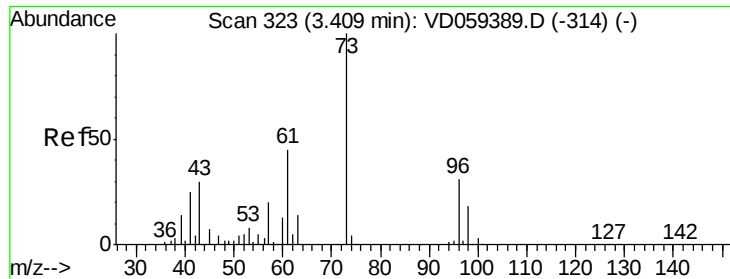
Tot Ion: 76 Resp: 197029
Ion Ratio Lower Upper
76 100
78 9.6 6.6 9.8



#18
Methyl Acetate
Concen: 21.42 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 43 Resp: 58323
Ion Ratio Lower Upper
43 100
74 16.9 11.0 16.4#

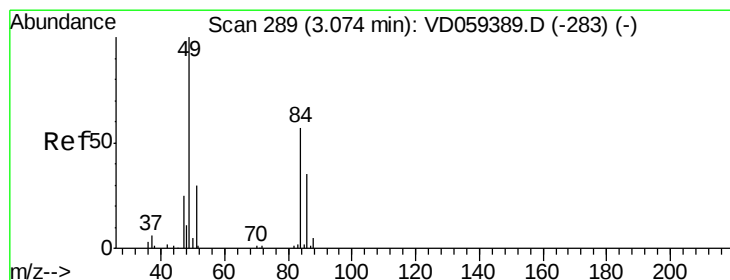
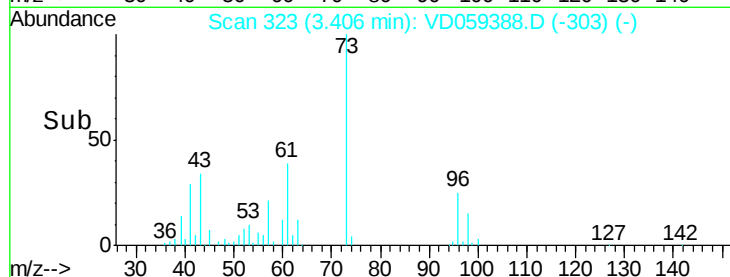
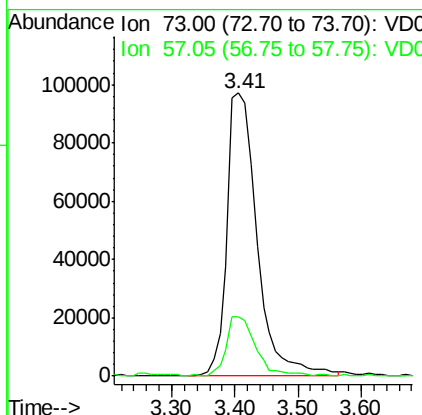
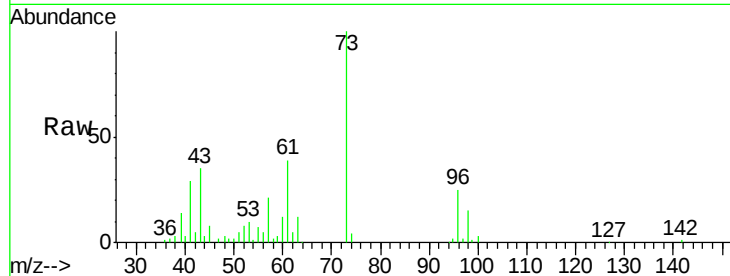




#19
Methvl tert-butvl Ether
Concen: 34.14 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

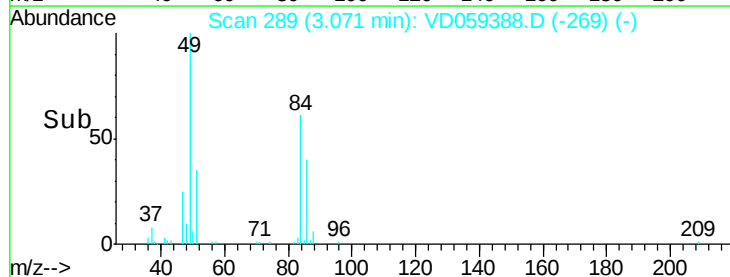
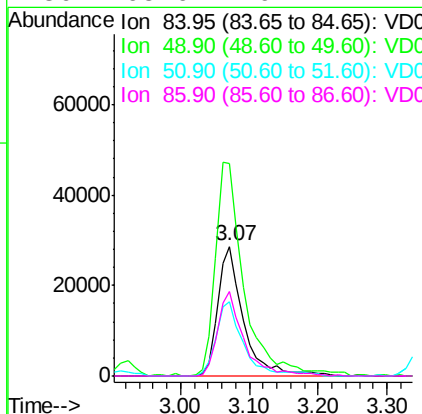
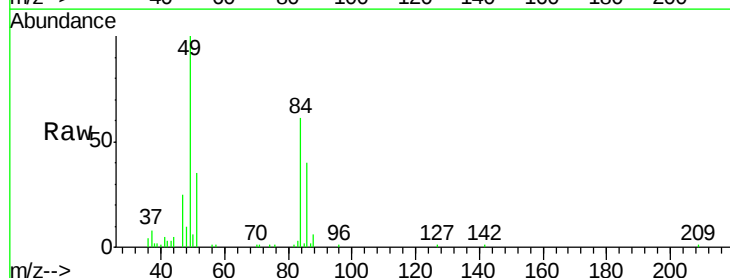
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

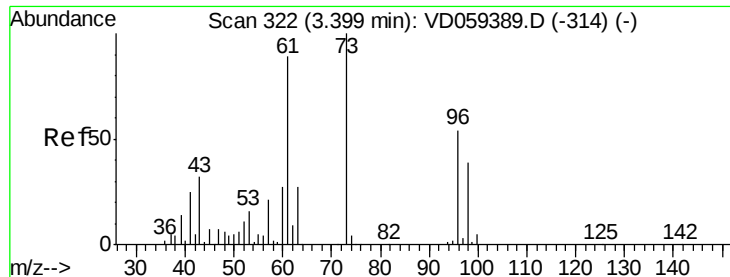
Tot Ion: 73 Resp: 321386
Ion Ratio Lower Upper
73 100
57 21.1 16.1 24.1



#20
Methylene Chloride
Concen: 18.75 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 84 Resp: 73766
Ion Ratio Lower Upper
84 100
49 163.9 140.3 210.5
51 56.9 41.6 62.4
86 65.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 28.97 ug/l

RT: 3.40 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

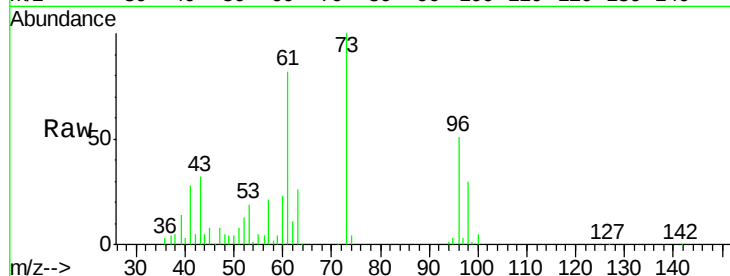
Tot Ion: 96 Resp: 110356

Ion Ratio Lower Upper

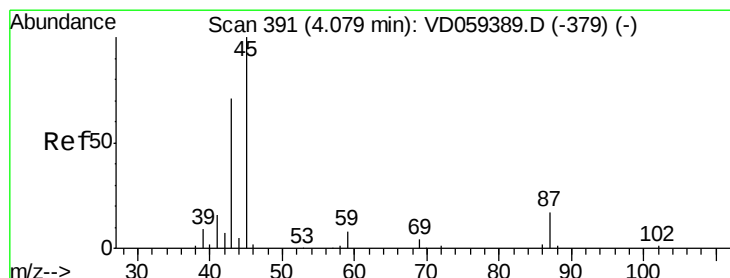
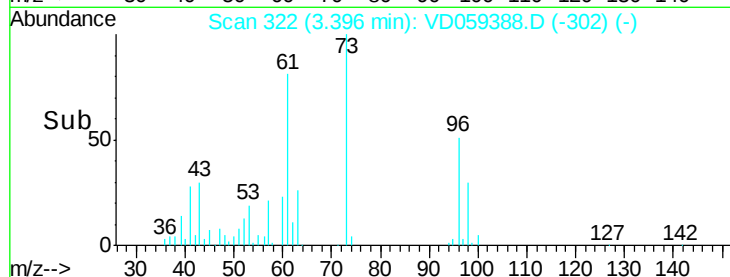
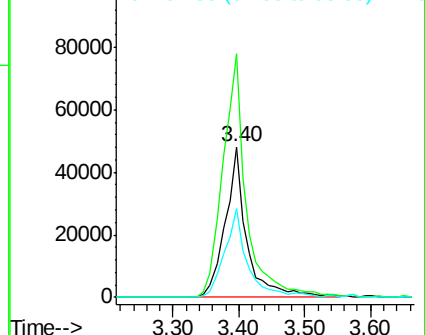
96 100

61 161.6 131.0 196.4

98 58.6 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: 19.25 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Tgt Ion: 45 Resp: 552843

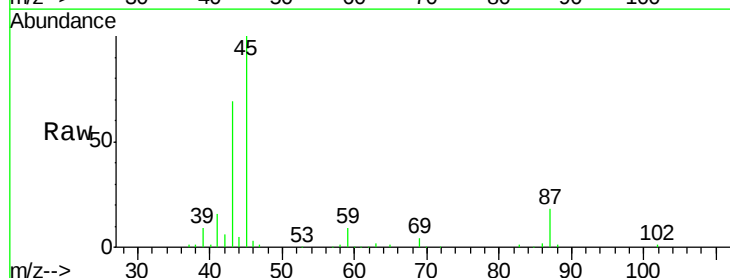
Ion Ratio Lower Upper

45 100

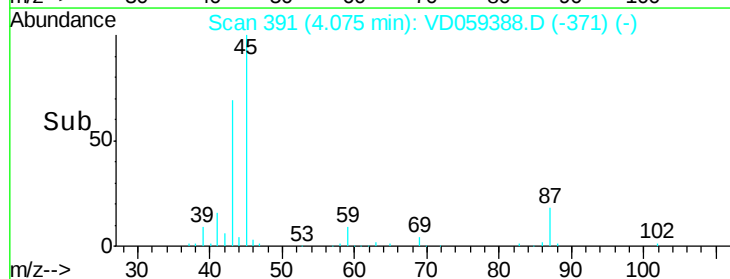
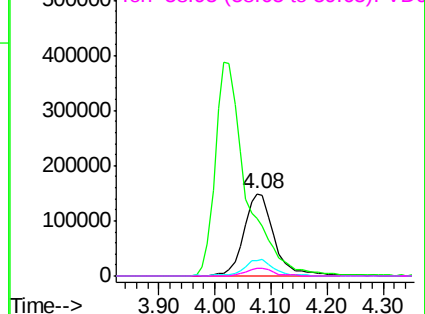
43 69.4 56.9 85.3

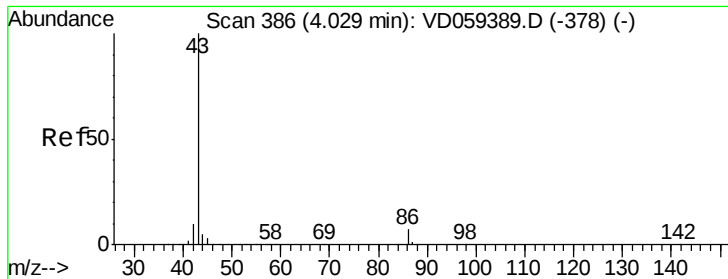
87 18.0 14.2 21.4

59 8.9 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: 98.14 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

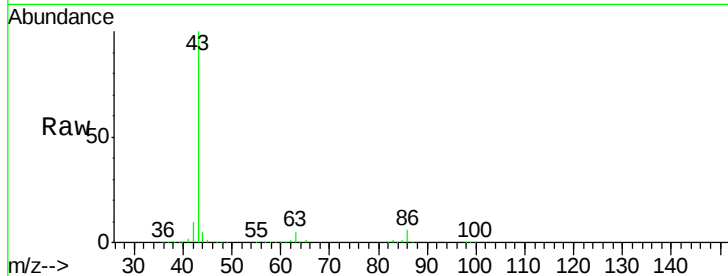
VSTDIC020

Tot Ion: 43 Resp: 1495918

Ion Ratio Lower Upper

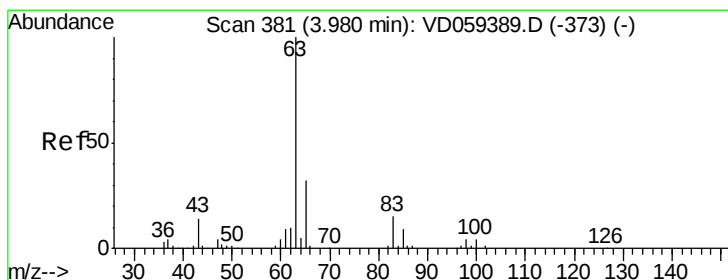
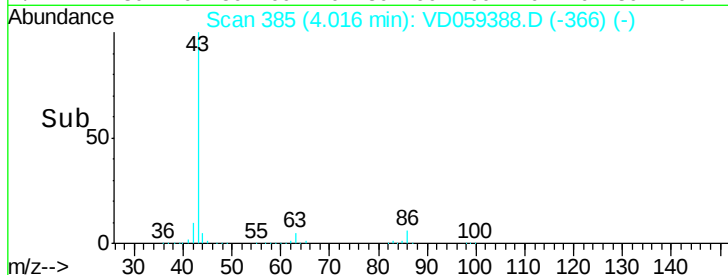
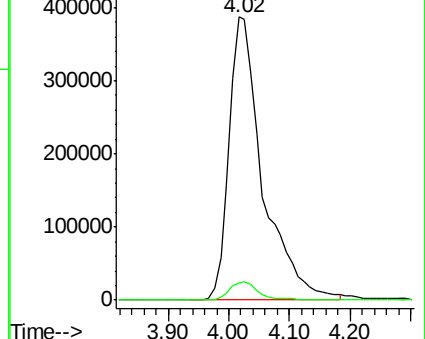
43 100

86 6.1 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: 20.63 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

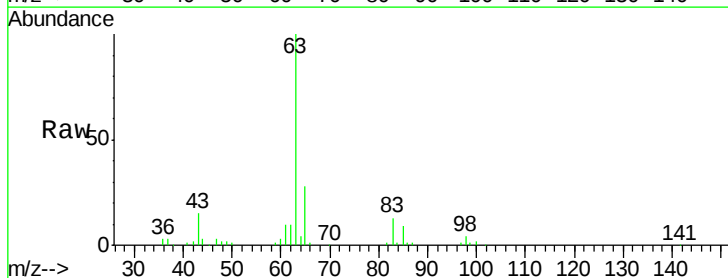
Tgt Ion: 63 Resp: 321255

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

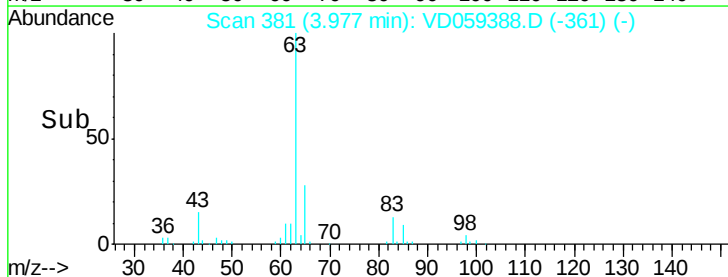
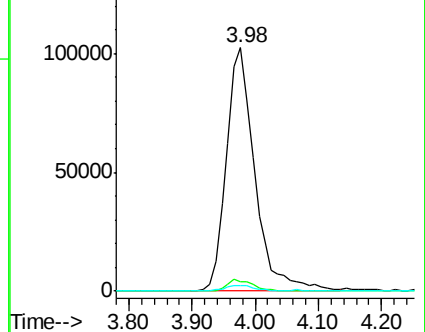
100 2.4 1.8 5.5

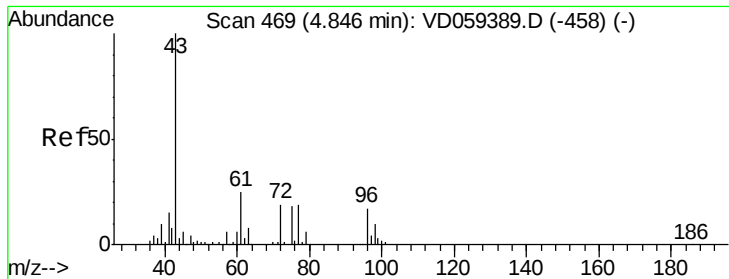


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 95.05 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

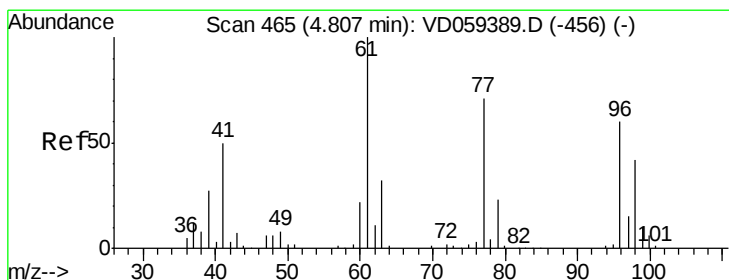
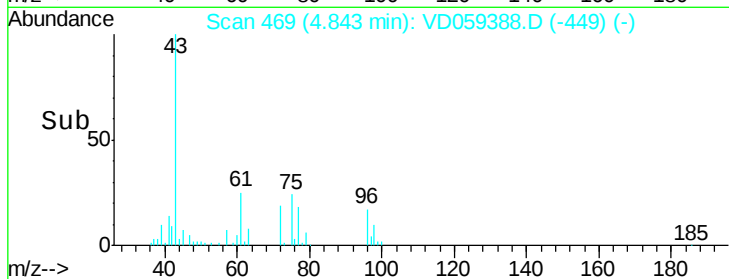
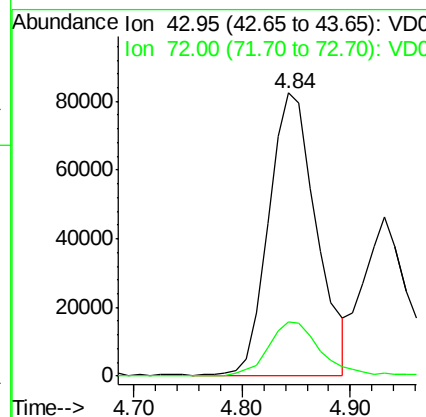
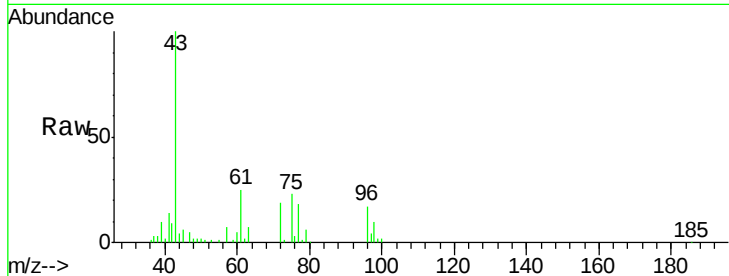
VSTDIC020

Tot Ion: 43 Resp: 256031

Ion Ratio Lower Upper

43 100

72 19.2 15.4 23.2



#26

2,2-Dichloropropane

Concen: 18.70 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059388.D

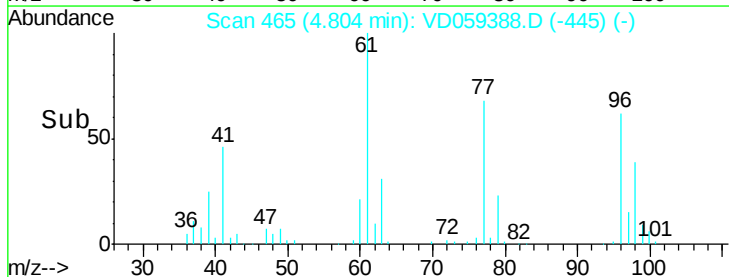
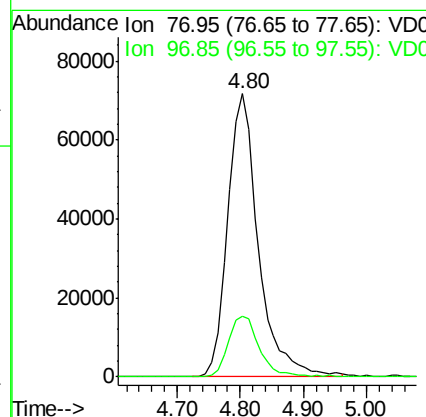
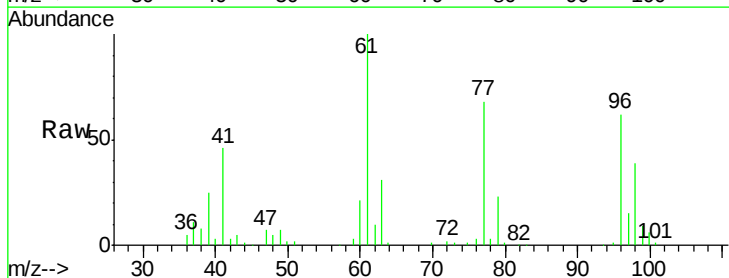
Acq: 25 Jun 2018 00:50

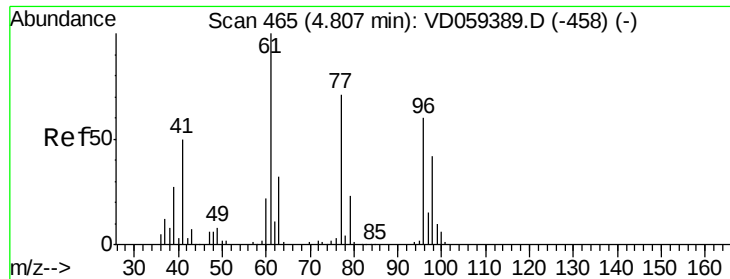
Tgt Ion: 77 Resp: 242310

Ion Ratio Lower Upper

77 100

97 21.5 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 22.62 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

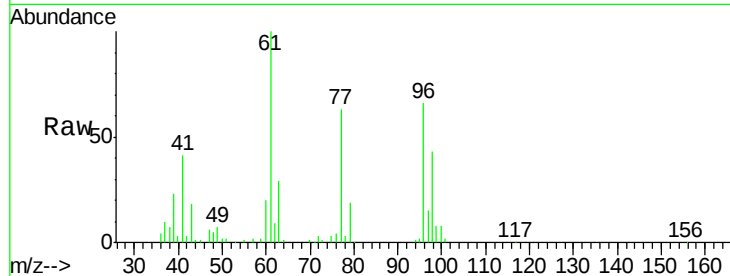
Tot Ion: 96 Resp: 194968

Ion Ratio Lower Upper

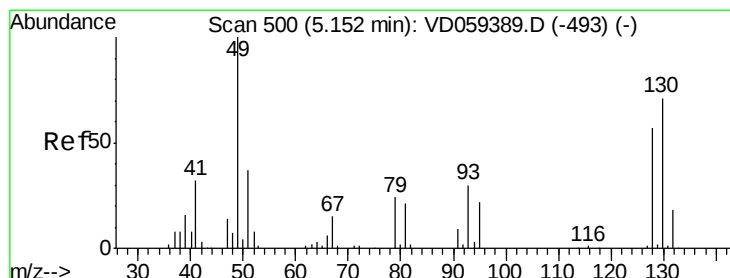
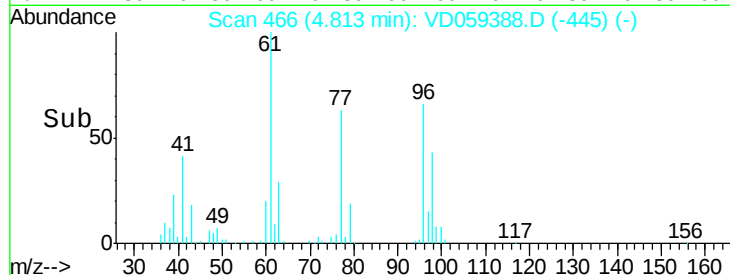
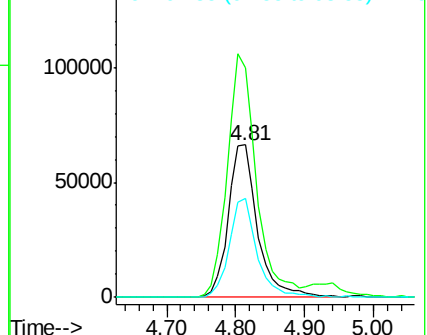
96 100

61 150.9 0.0 335.8

98 64.7 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: 20.95 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

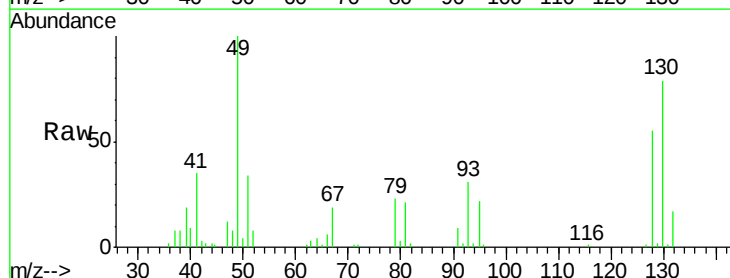
Tgt Ion: 49 Resp: 145816

Ion Ratio Lower Upper

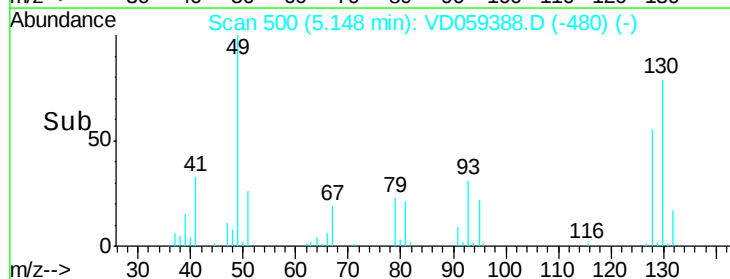
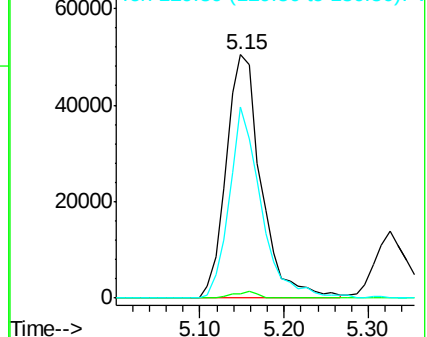
49 100

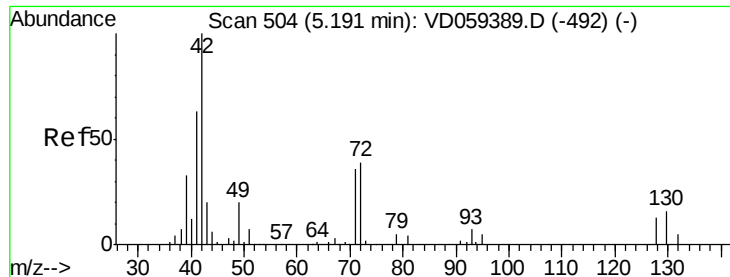
129 1.8 0.0 4.4

130 78.7 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

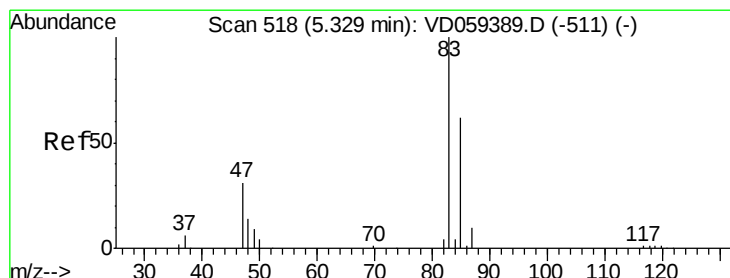
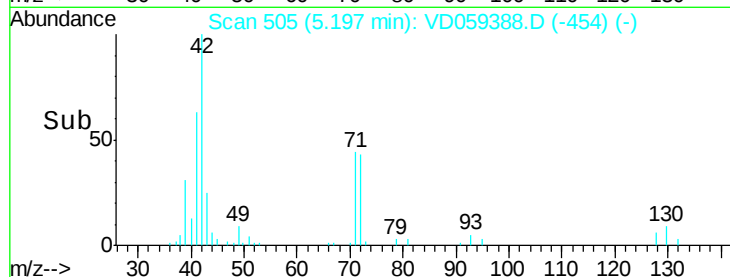
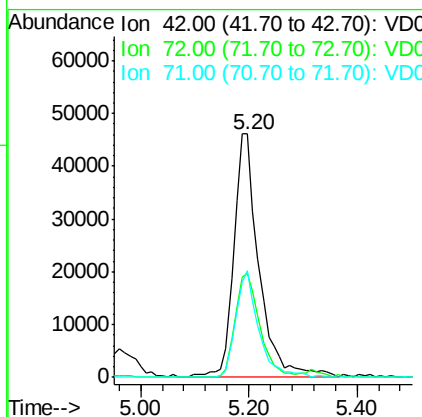
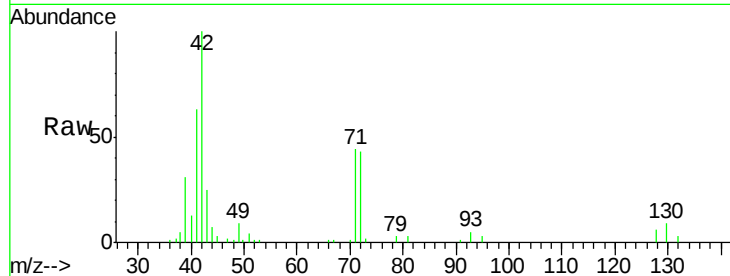




#29
Tetrahydrofuran
Concen: 104.79 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

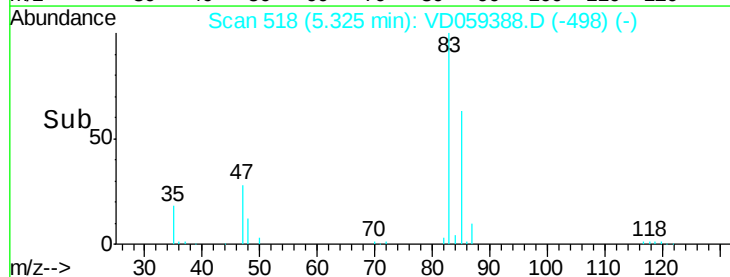
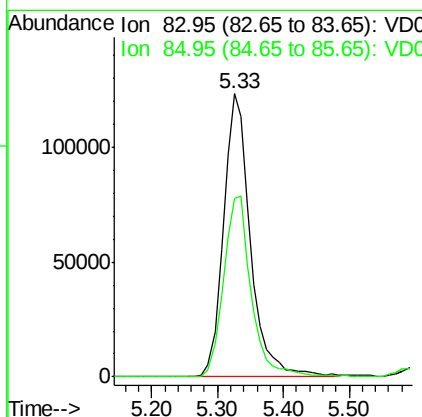
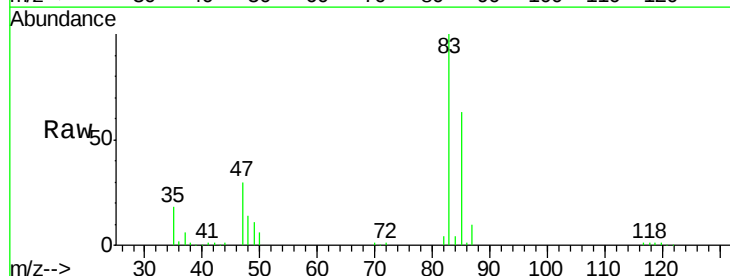
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

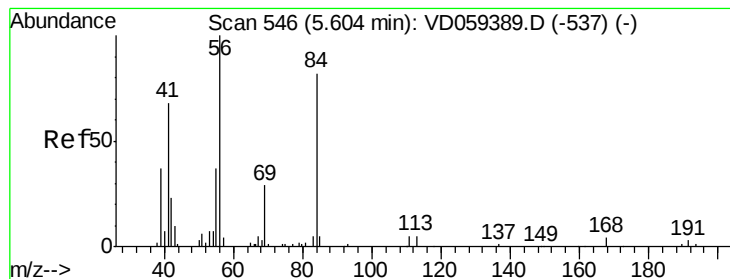
Tot Ion: 42 Resp: 150286
Ion Ratio Lower Upper
42 100
72 41.7 31.4 47.2
71 39.5 29.7 44.5



#30
Chloroform
Concen: 21.25 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 83 Resp: 351520
Ion Ratio Lower Upper
83 100
85 63.2 49.3 73.9





#31

Cyclohexane

Concen: 18.34 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

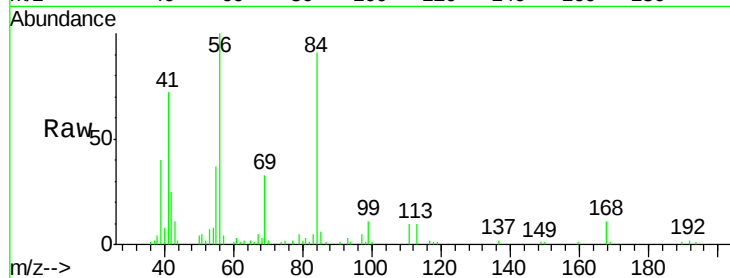
Tot Ion: 56 Resp: 241574

Ion Ratio Lower Upper

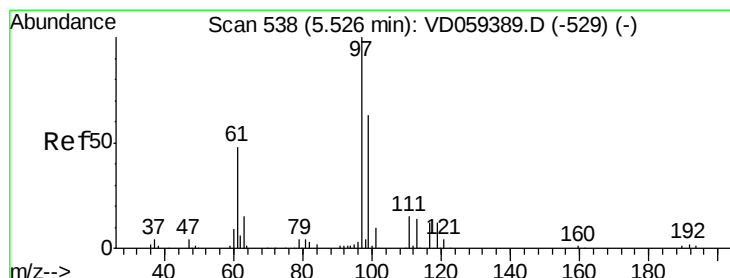
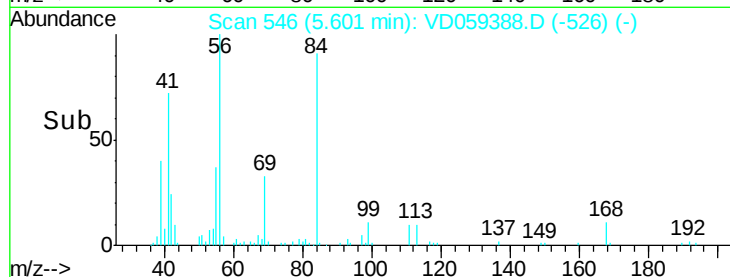
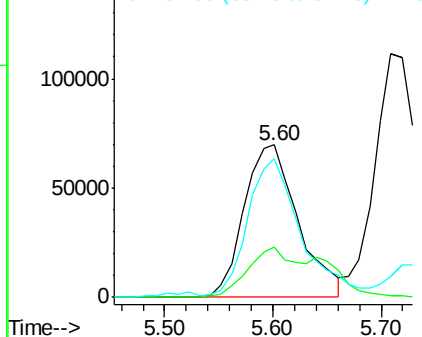
56 100

69 33.1 22.9 34.3

84 90.7 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 20.32 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

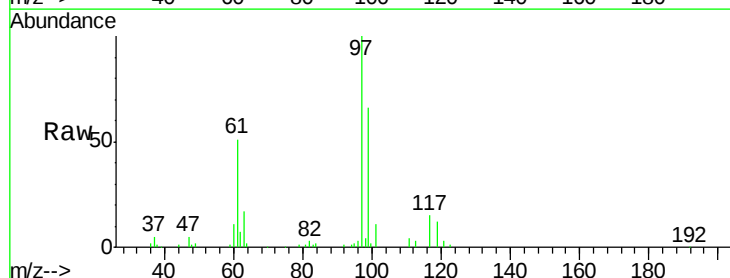
Tgt Ion: 97 Resp: 277945

Ion Ratio Lower Upper

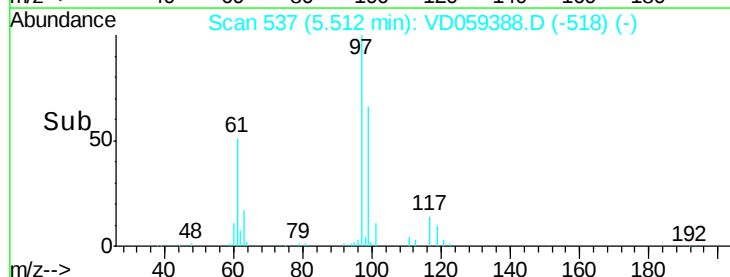
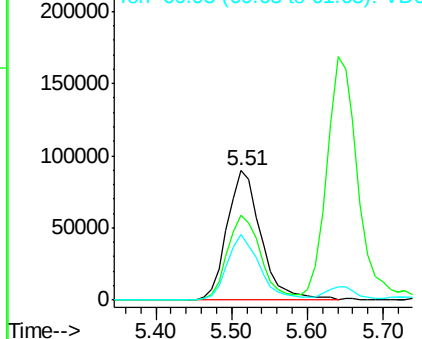
97 100

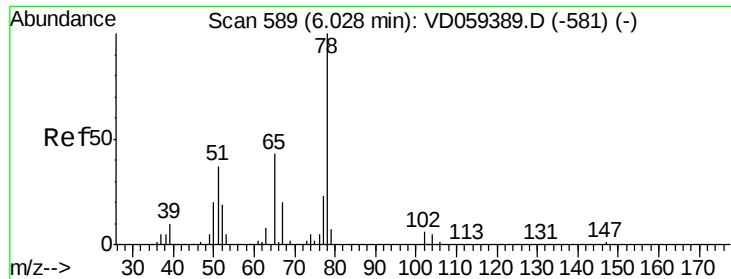
99 65.9 50.2 75.4

61 51.3 38.6 57.8



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

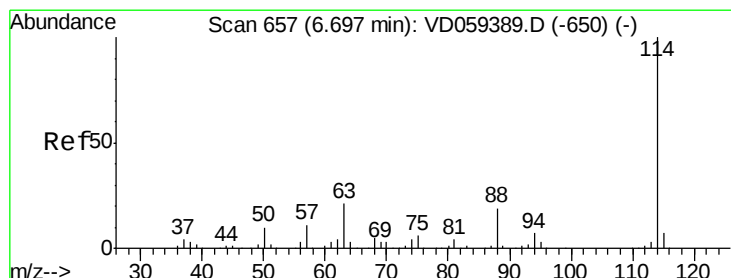
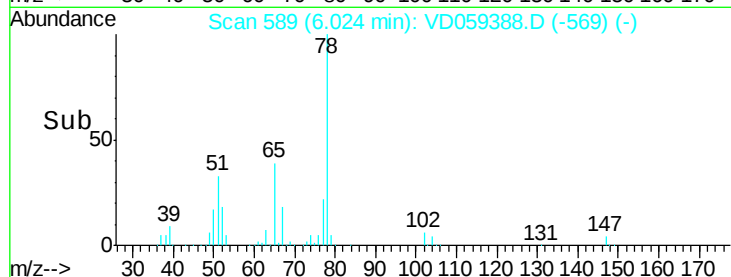
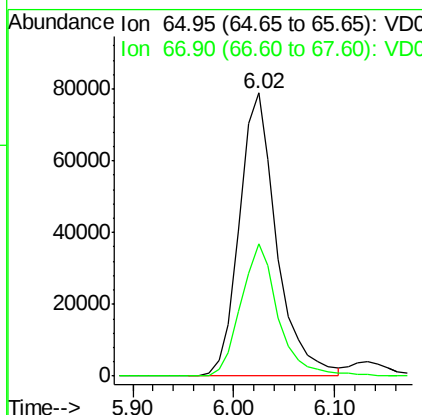
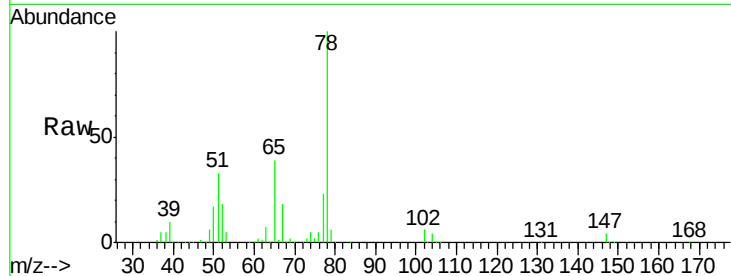




#33
 1,2-Dichloroethane-d4
 Concen: 20.32 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

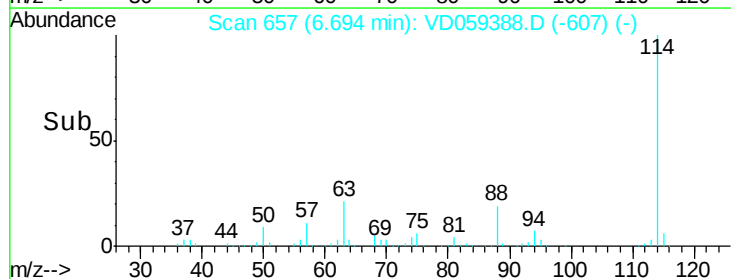
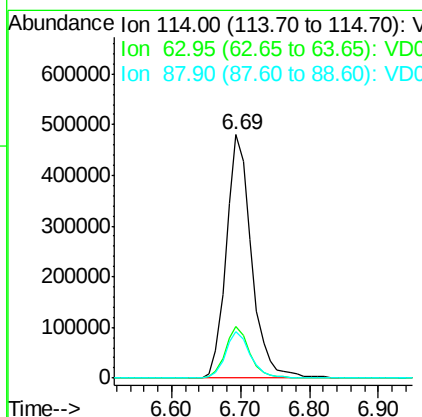
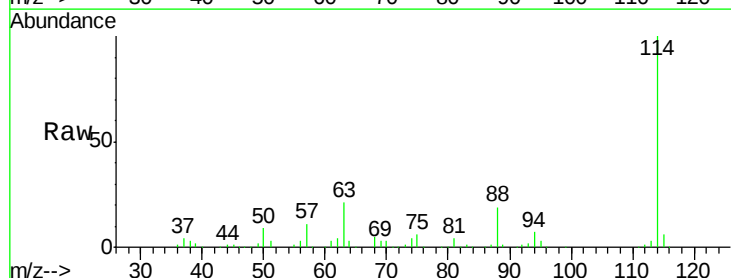
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

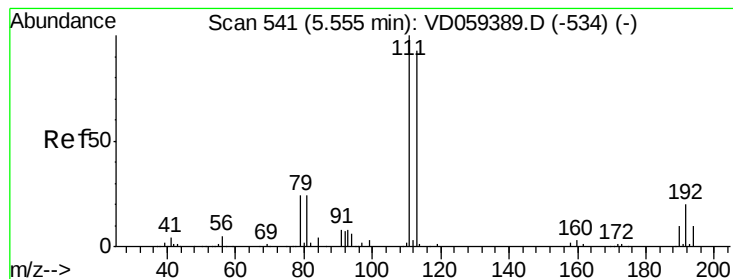
Tot Ion: 65 Resp: 203053
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion: 114 Resp: 1213862
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 19.3 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

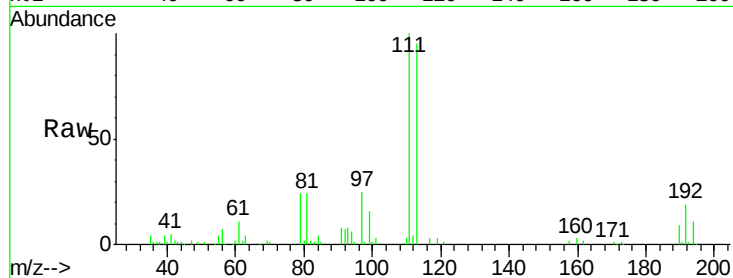
Tot Ion:113 Resp: 211910

Ion Ratio Lower Upper

113 100

111 105.0 85.7 128.5

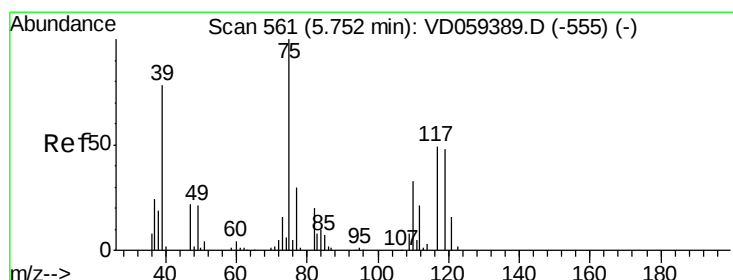
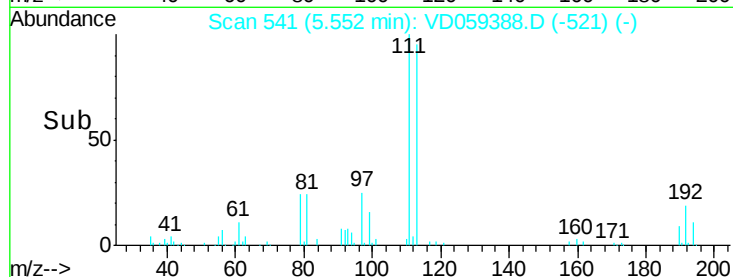
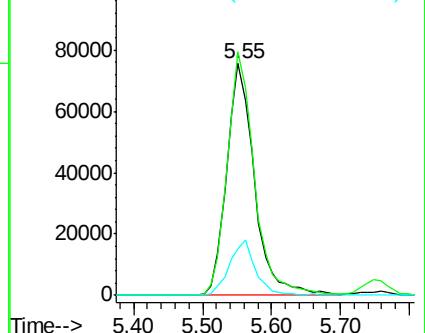
192 20.2 16.9 25.3



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: 19.56 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

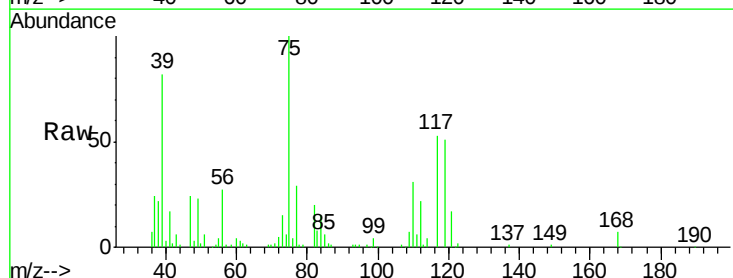
Tgt Ion: 75 Resp: 231211

Ion Ratio Lower Upper

75 100

110 30.7 16.1 48.2

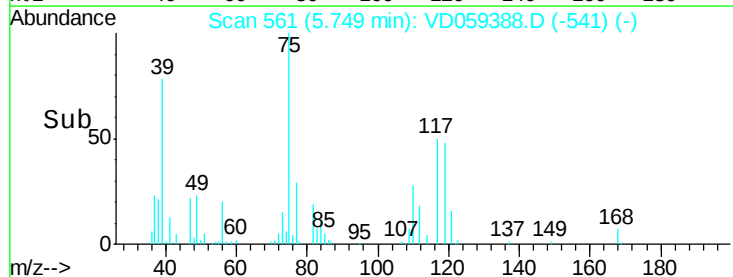
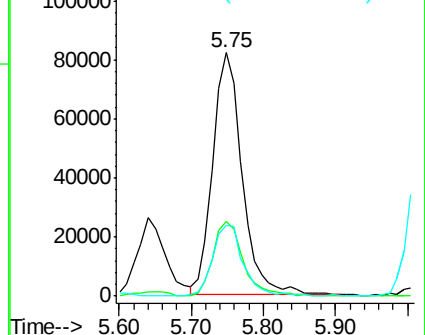
77 28.8 23.4 35.2

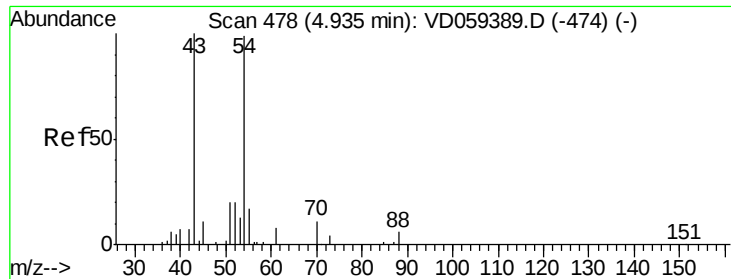


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

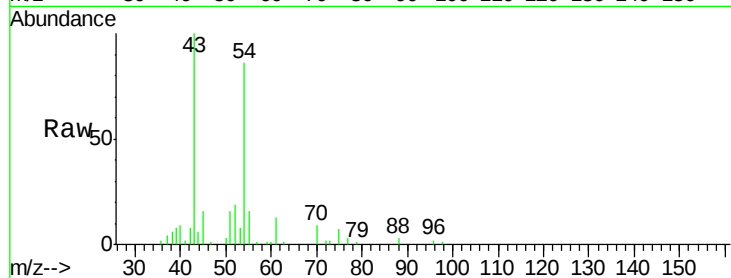




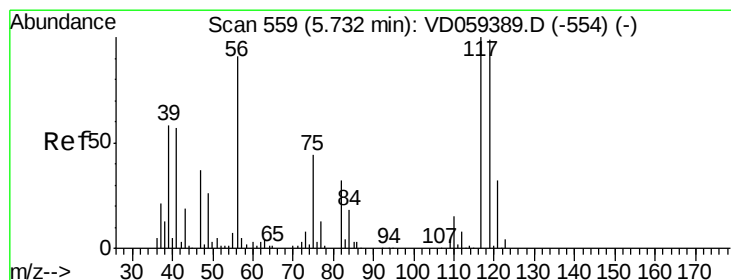
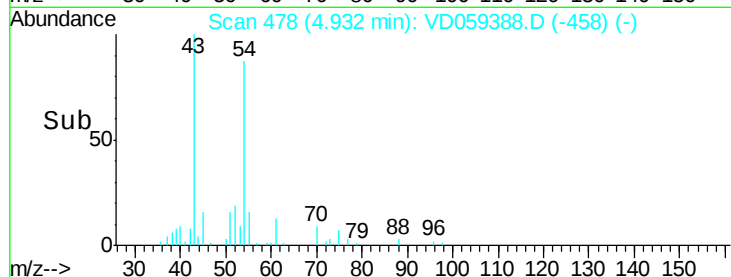
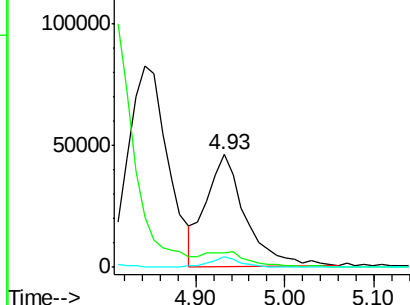
#37
Ethyl Acetate
Concen: 21.21 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 141389
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.8
70 8.9 6.1 9.1

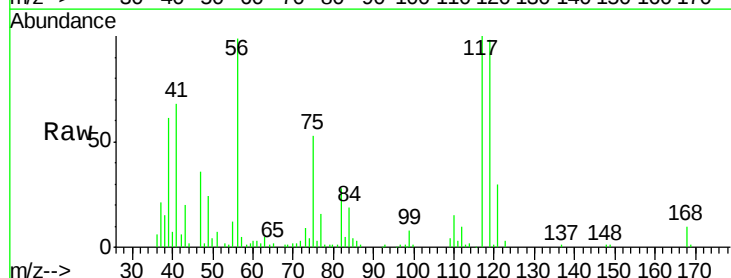


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

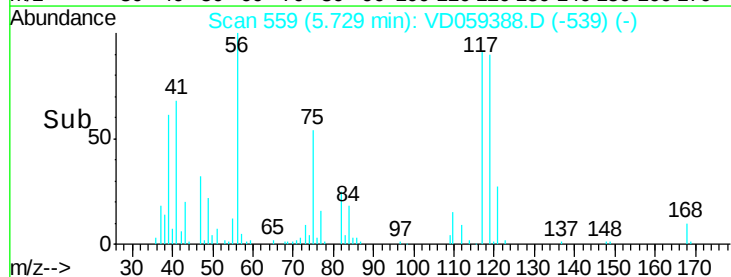
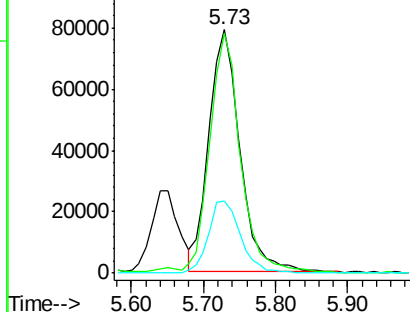


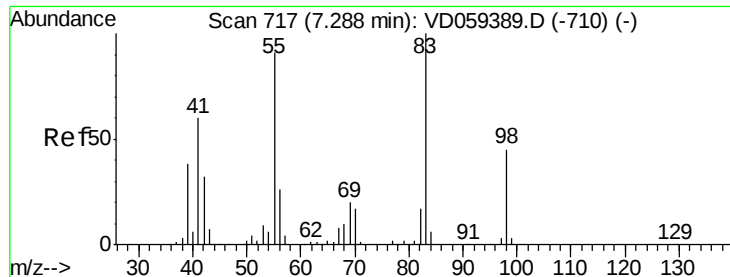
#38
Carbon Tetrachloride
Concen: 19.94 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 117 Resp: 234882
Ion Ratio Lower Upper
117 100
119 98.3 76.6 115.0
121 29.9 25.0 37.4



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





#39

Methvlcvclohexane

Concen: 19.32 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

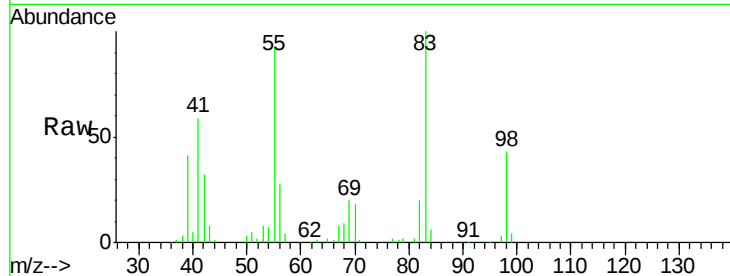
Tot Ion: 83 Resp: 221290

Ion Ratio Lower Upper

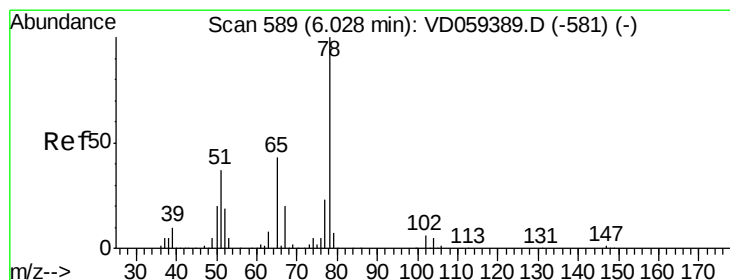
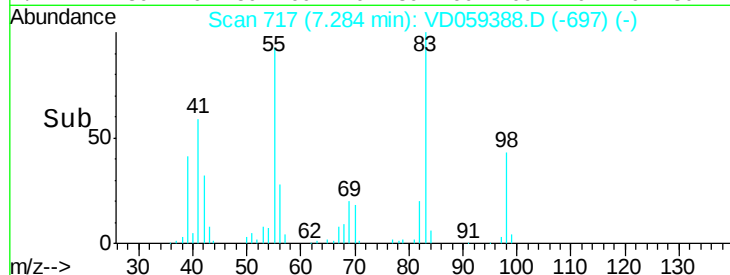
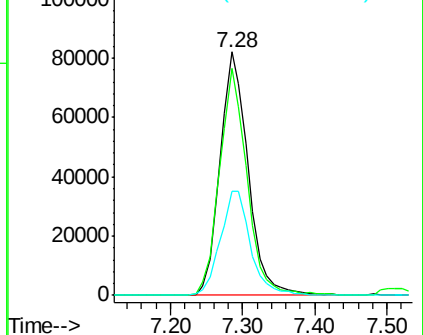
83 100

55 93.5 72.6 109.0

98 42.9 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: 20.46 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059388.D

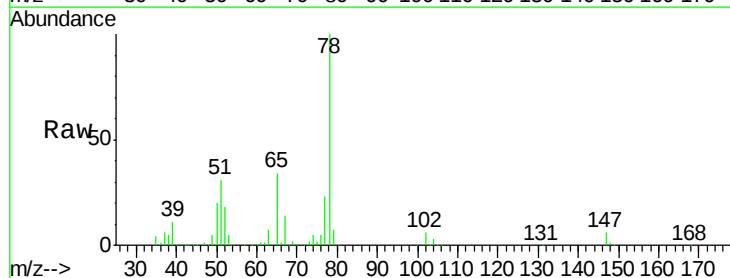
Acq: 25 Jun 2018 00:50

Tgt Ion: 78 Resp: 578409

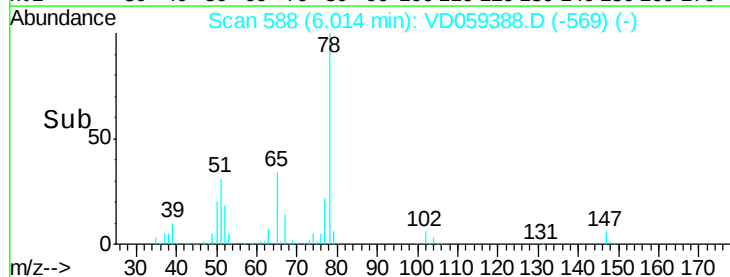
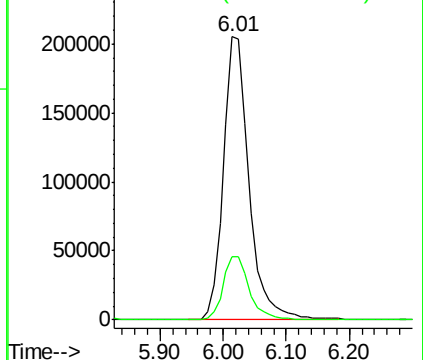
Ion Ratio Lower Upper

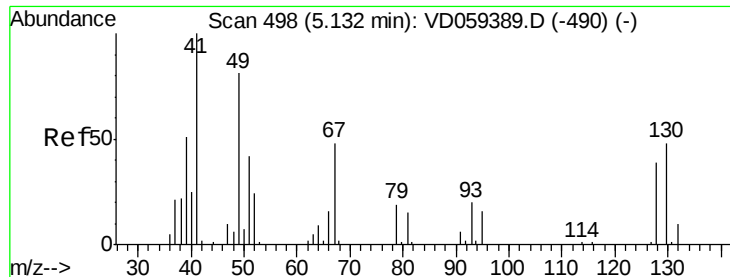
78 100

77 22.5 18.1 27.1



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

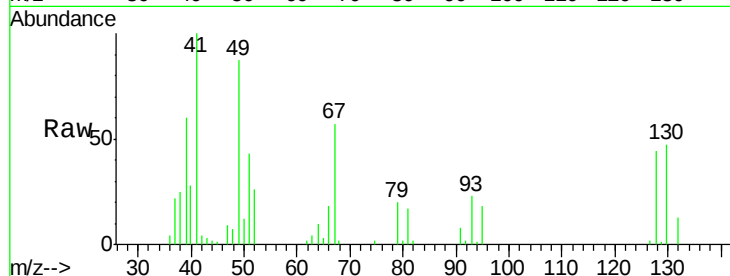




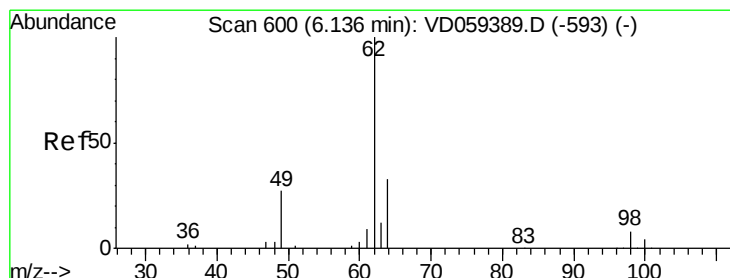
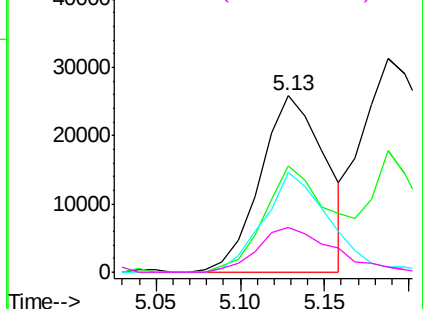
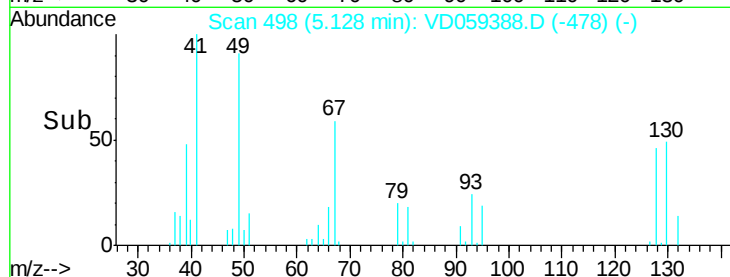
#41
Methacrylonitrile
Concen: 21.04 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 69434
Ion Ratio Lower Upper
41 100
39 60.1 41.5 62.3
67 56.6 38.7 58.1
52 25.7 19.4 29.2

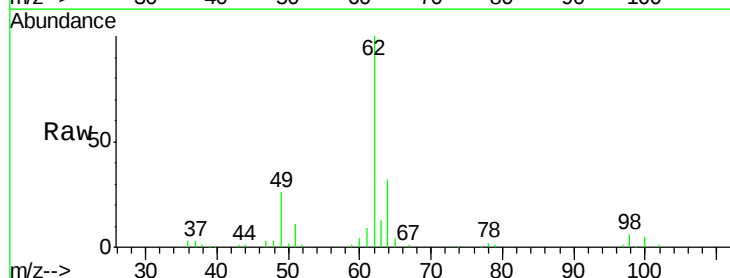


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

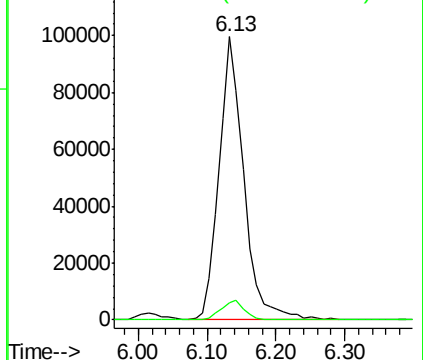
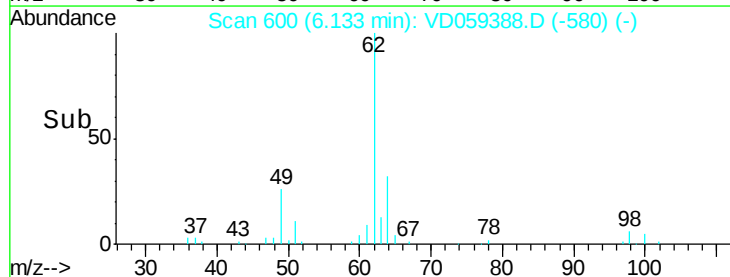


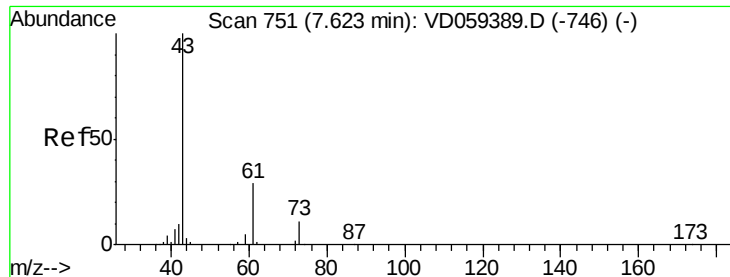
#42
1,2-Dichloroethane
Concen: 21.62 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 62 Resp: 248226
Ion Ratio Lower Upper
62 100
98 6.0 0.0 15.8



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



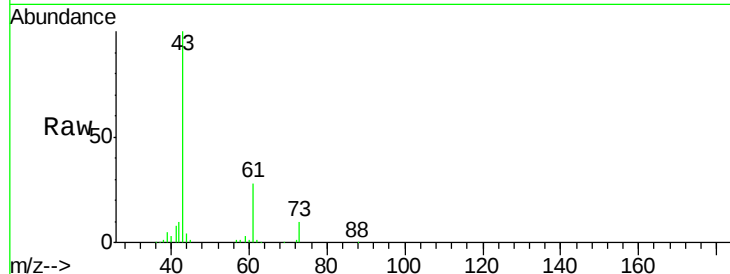


#43

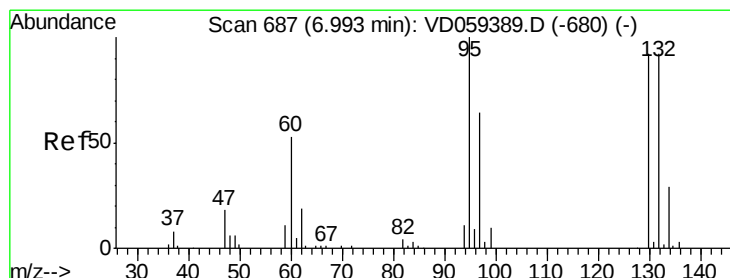
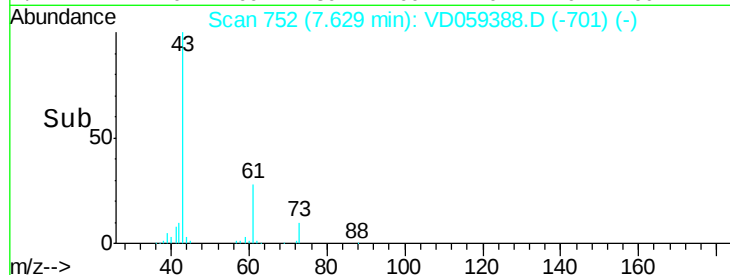
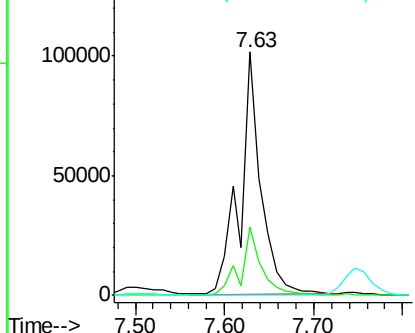
Isopropyl Acetate
 Concen: 18.74 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 165270
 Ion Ratio Lower Upper
 43 100
 61 28.1 23.1 34.7
 87 0.0 0.2 0.4#



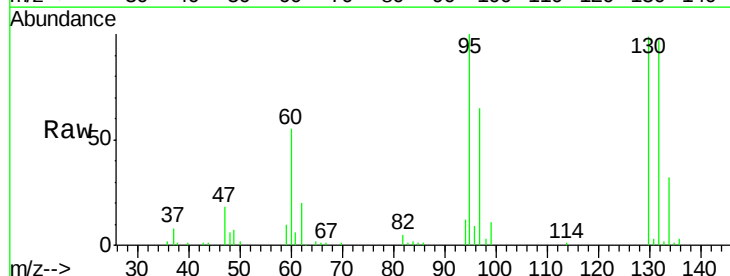
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



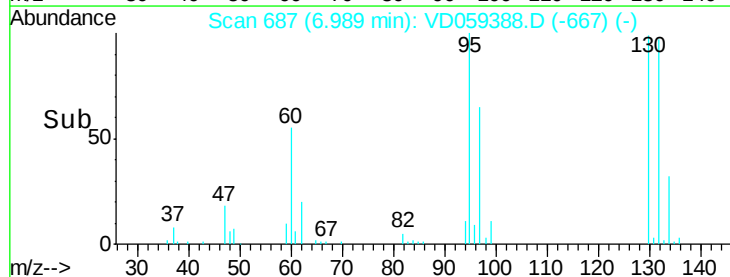
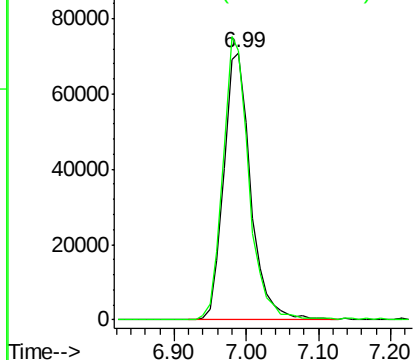
#44

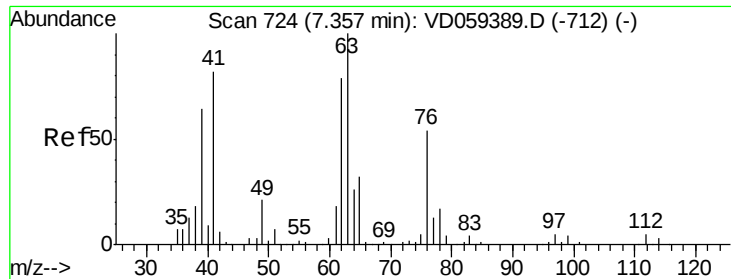
Trichloroethene
 Concen: 21.47 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:130 Resp: 183184
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.61 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

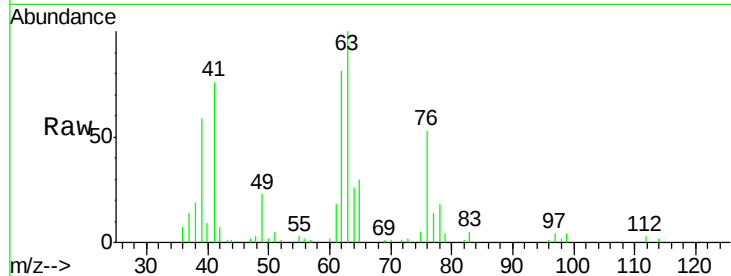
VSTDIC020

Tot Ion: 63 Resp: 162963

Ion Ratio Lower Upper

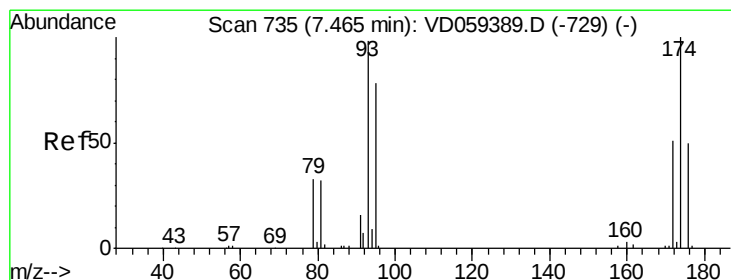
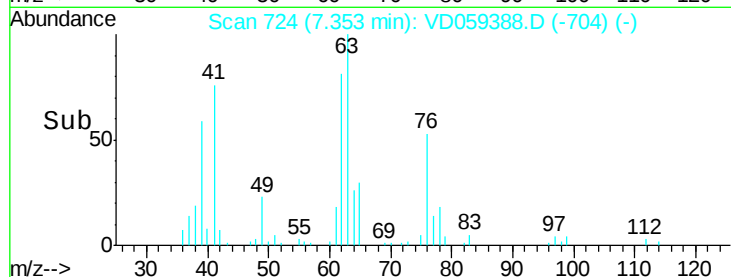
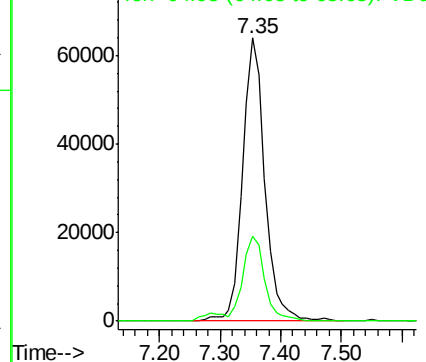
63 100

65 29.9 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.90 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

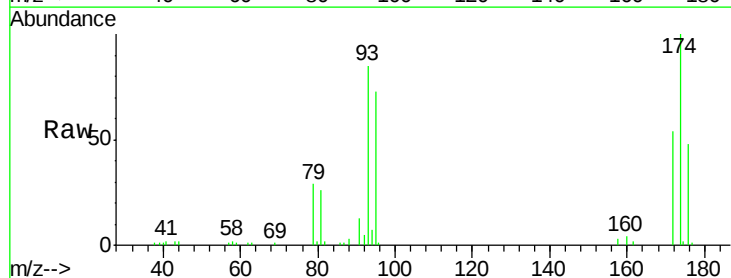
Tgt Ion: 93 Resp: 113780

Ion Ratio Lower Upper

93 100

95 86.0 63.4 95.0

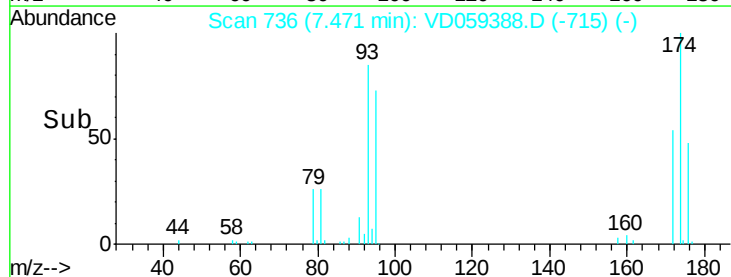
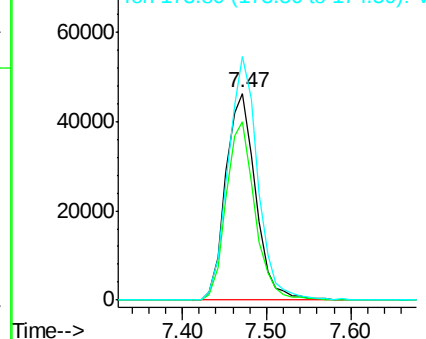
174 117.6 81.4 122.2

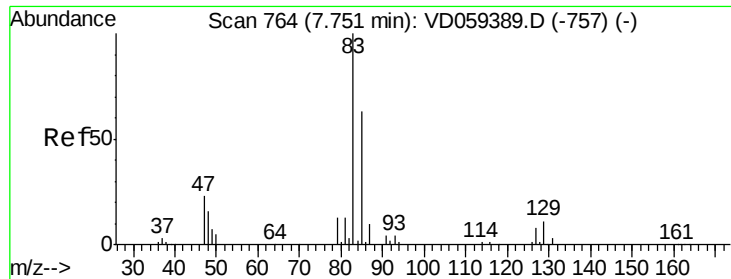


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.82 ug/l

RT: 7.75 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

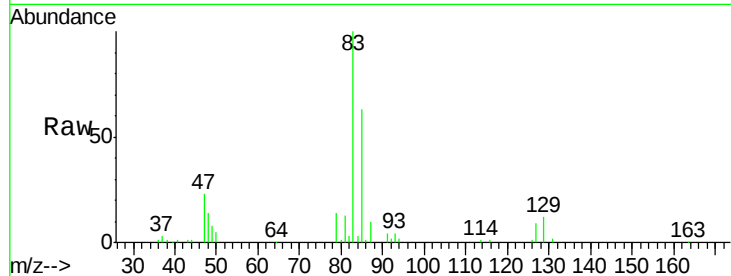
Tot Ion: 83 Resp: 250106

Ion Ratio Lower Upper

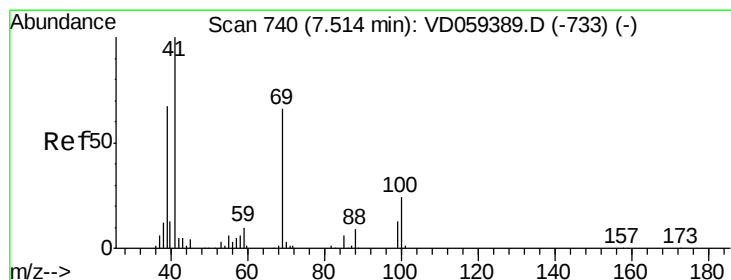
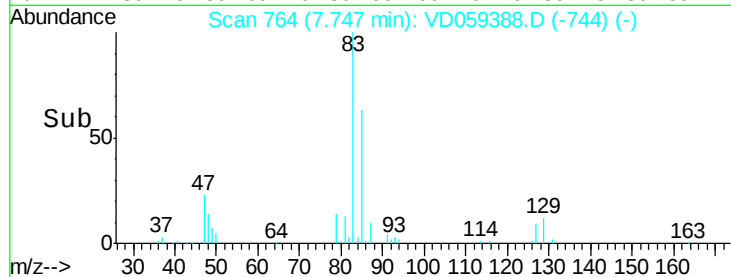
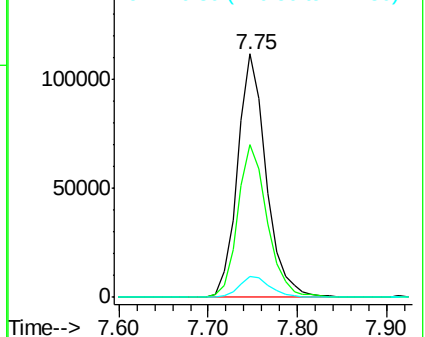
83 100

85 63.0 50.1 75.1

127 8.6 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): V



#48

Methyl methacrylate

Concen: 20.76 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

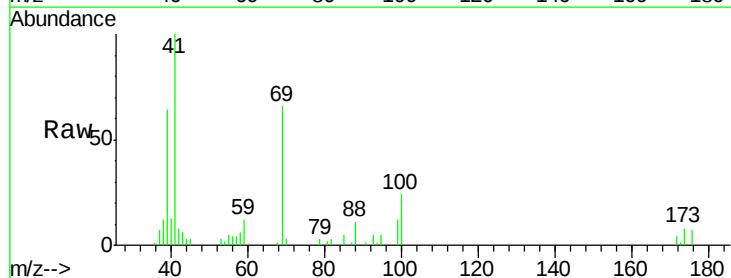
Tgt Ion: 41 Resp: 111504

Ion Ratio Lower Upper

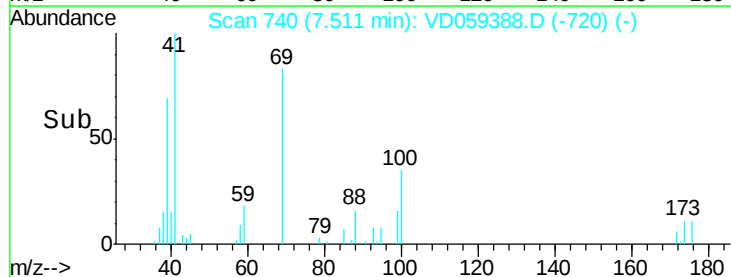
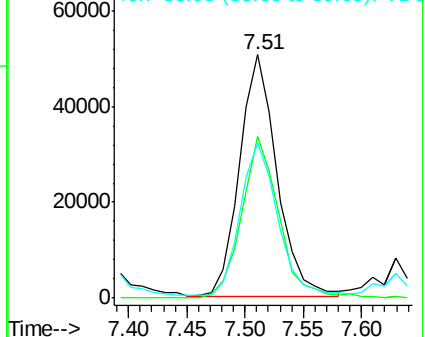
41 100

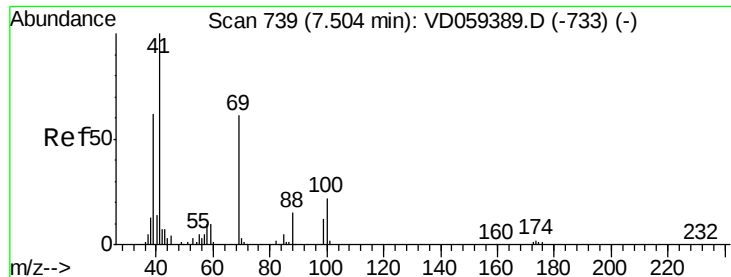
69 66.5 52.6 79.0

39 63.7 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: 436.42 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

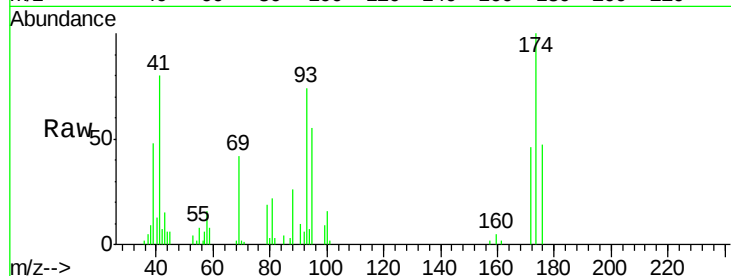
Tot Ion: 88 Resp: 21192

Ion Ratio Lower Upper

88 100

43 58.7 41.0 61.4

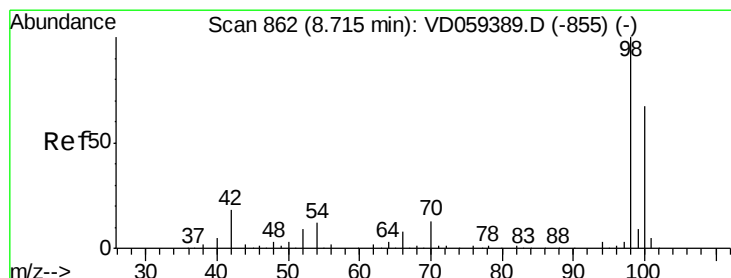
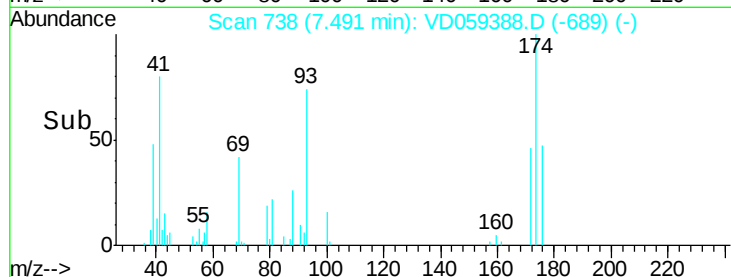
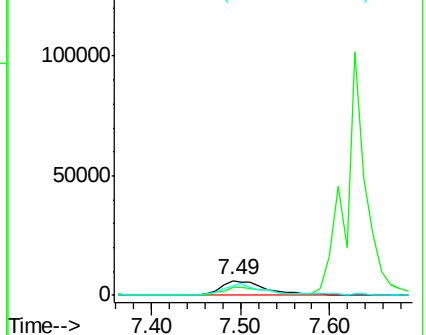
58 62.1 53.4 80.0



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: 436.42 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD059388.D

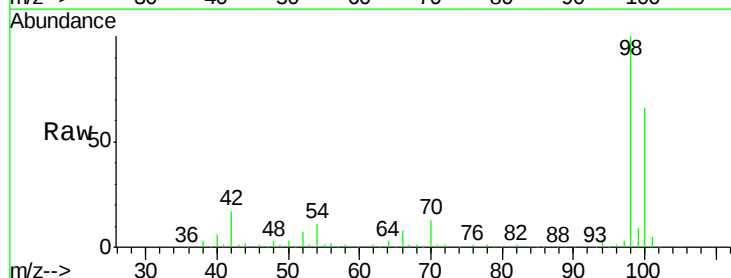
Acq: 25 Jun 2018 00:50

Tgt Ion: 98 Resp: 491586

Ion Ratio Lower Upper

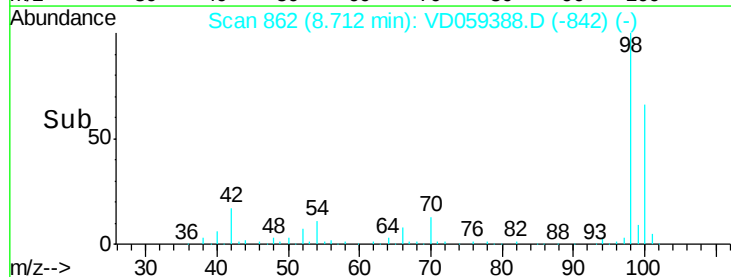
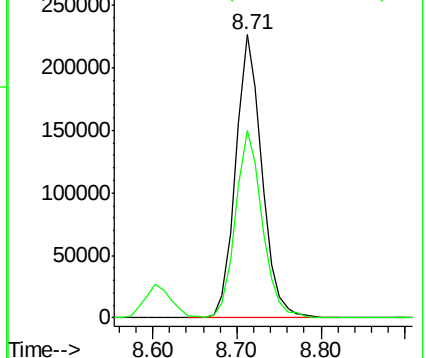
98 100

100 66.4 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: 107.68 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

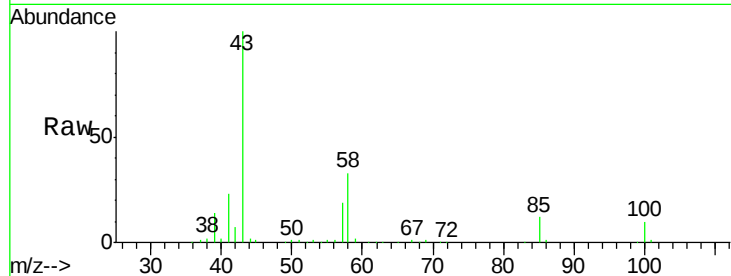
VSTDIC020

Tot Ion: 43 Resp: 622996

Ion Ratio Lower Upper

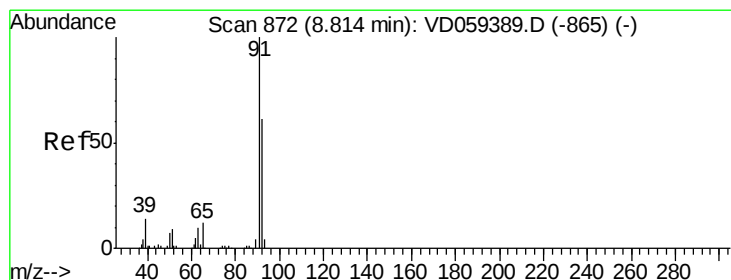
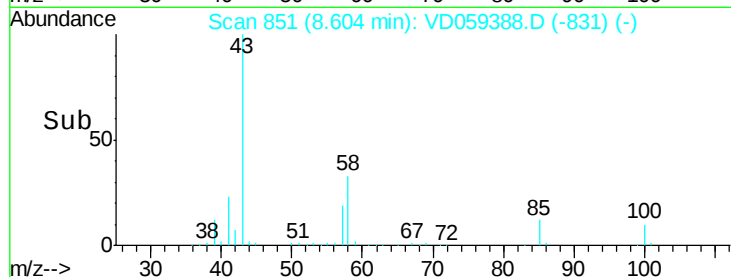
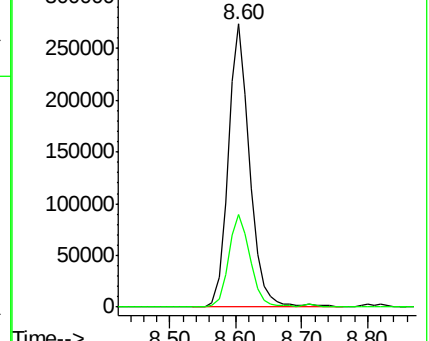
43 100

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



#52

Toluene

Concen: 21.32 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD059388.D

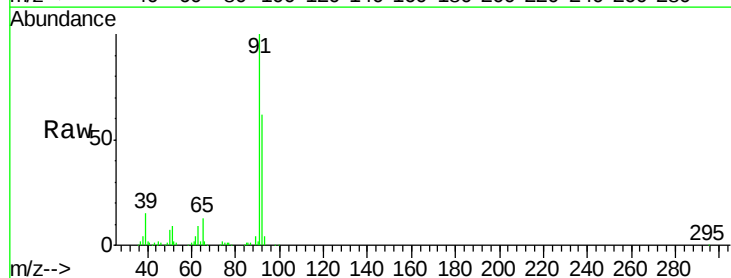
Acq: 25 Jun 2018 00:50

Tgt Ion: 92 Resp: 344214

Ion Ratio Lower Upper

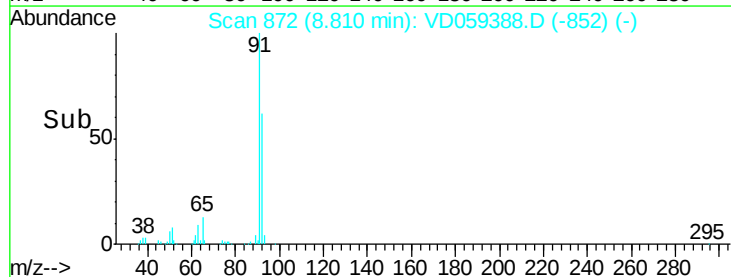
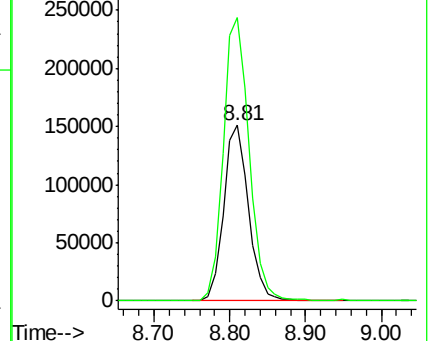
92 100

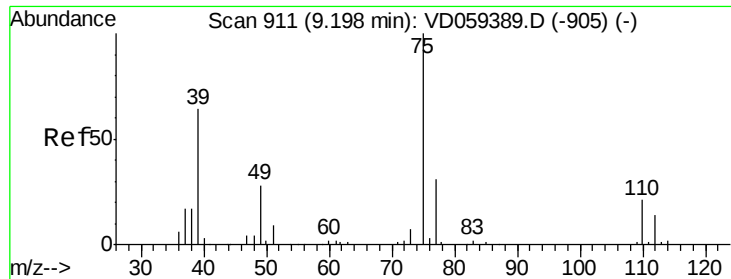
91 161.0 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.30 ug/l

RT: 9.19 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

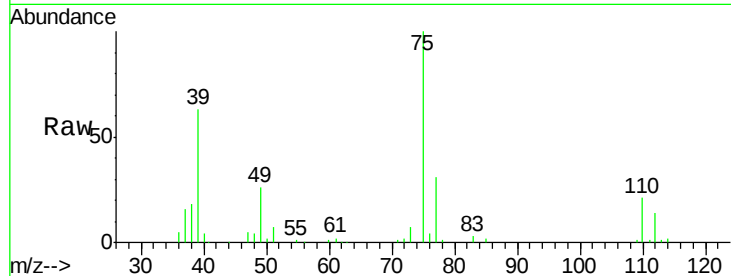
VSTDIC020

Tot Ion: 75 Resp: 208512

Ion Ratio Lower Upper

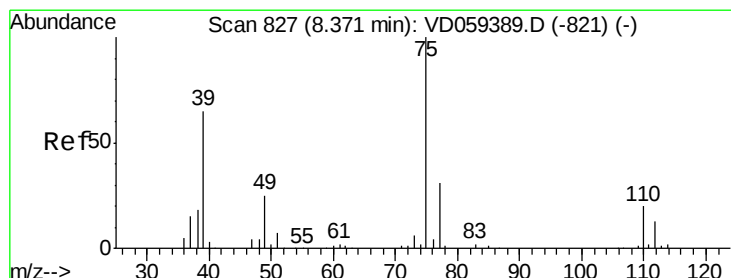
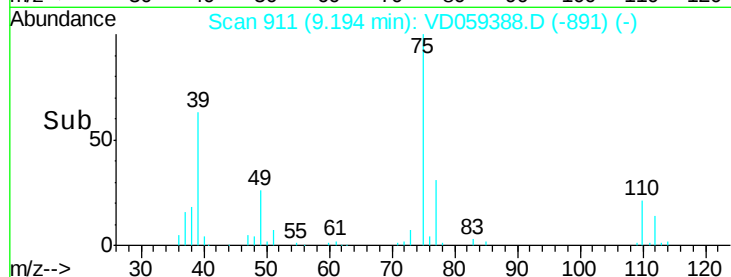
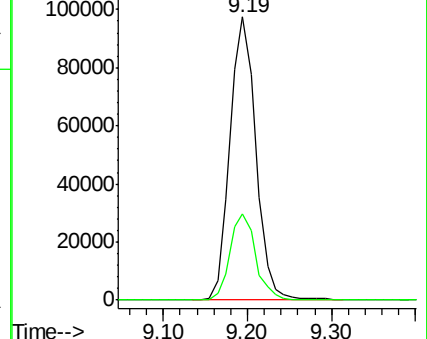
75 100

77 30.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.08 ug/l

RT: 8.37 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

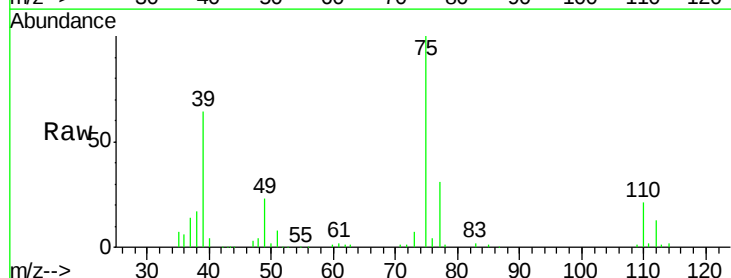
Tgt Ion: 75 Resp: 251903

Ion Ratio Lower Upper

75 100

77 30.7 24.7 37.1

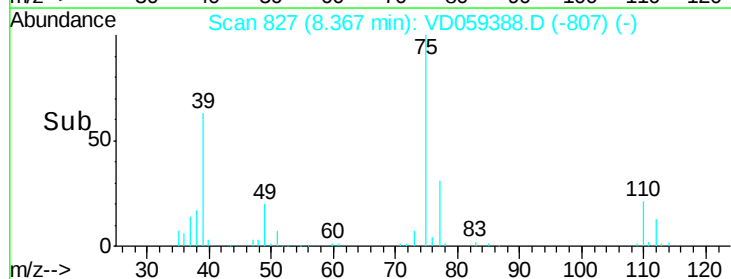
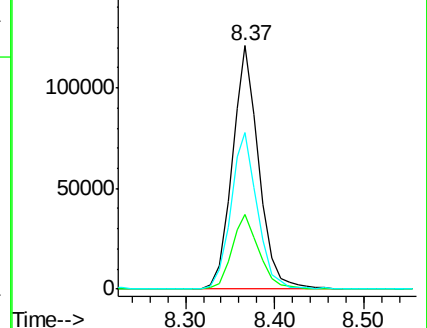
39 64.4 52.2 78.4

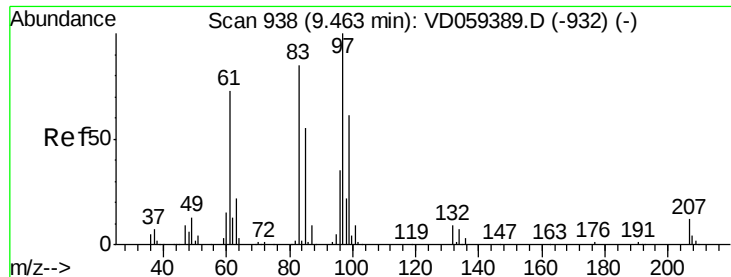


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

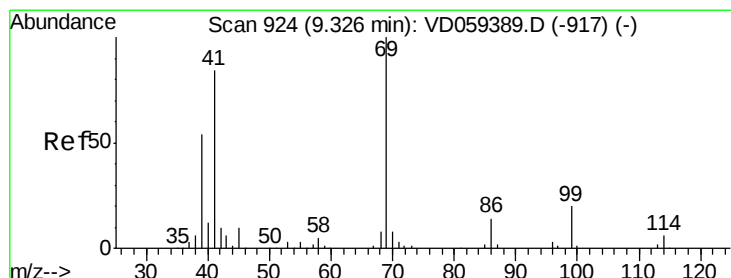
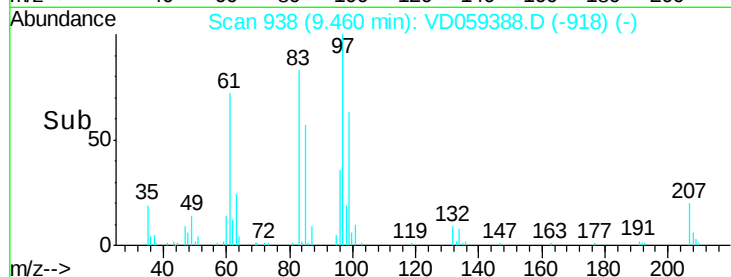
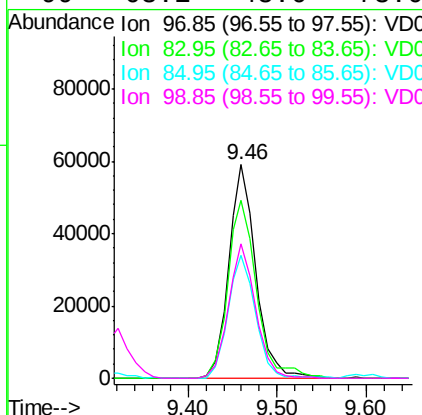
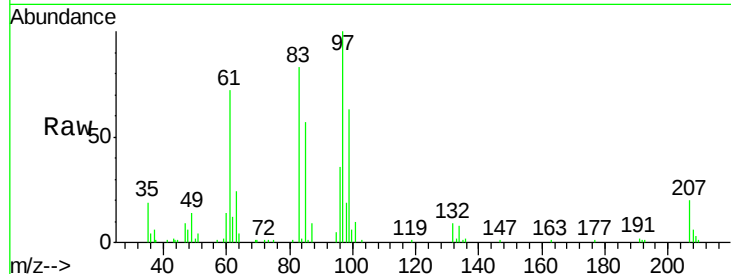




#55
 1,1,2-Trichloroethane
 Concen: 21.92 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

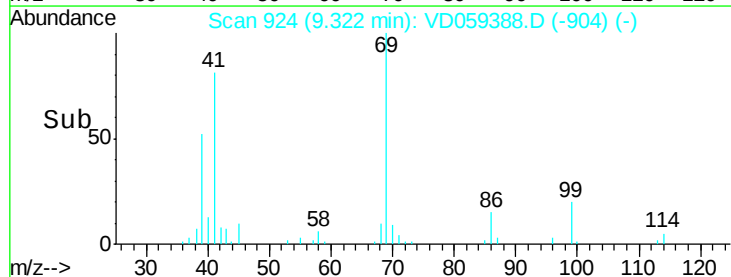
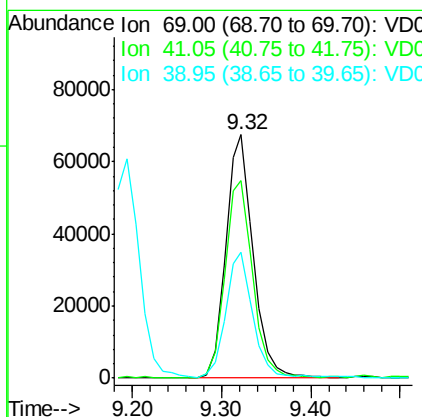
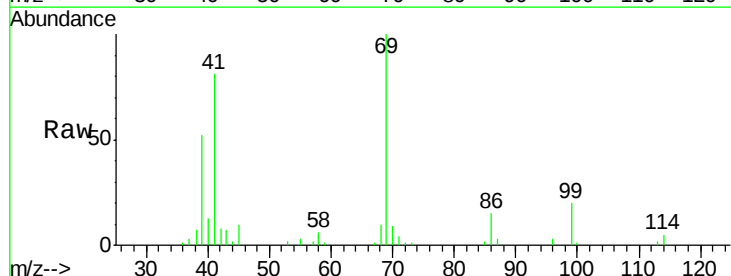
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

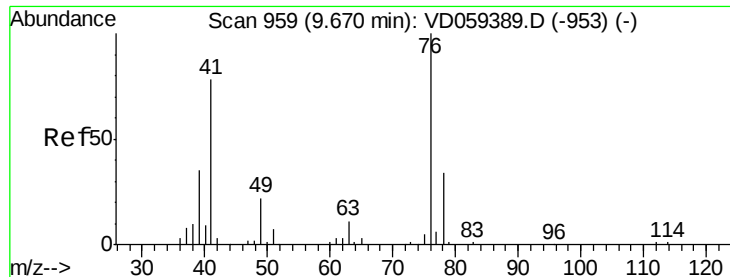
Tot Ion:	97	Resp:	125325
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.7	101.5
85	57.4	44.3	66.5
99	63.1	48.6	73.0



#56
 Ethyl methacrylate
 Concen: 21.50 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:	69	Resp:	144903
Ion	Ratio	Lower	Upper
69	100		
41	81.0	67.4	101.0
39	51.5	43.7	65.5





#57

1,3-Dichloropropane

Concen: 20.91 ug/l

RT: 9.67 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

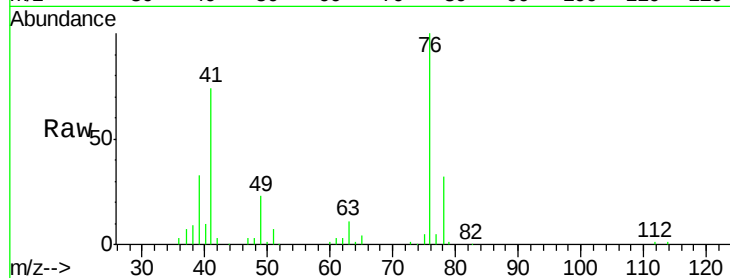
VSTDIC020

Tot Ion: 76 Resp: 201532

Ion Ratio Lower Upper

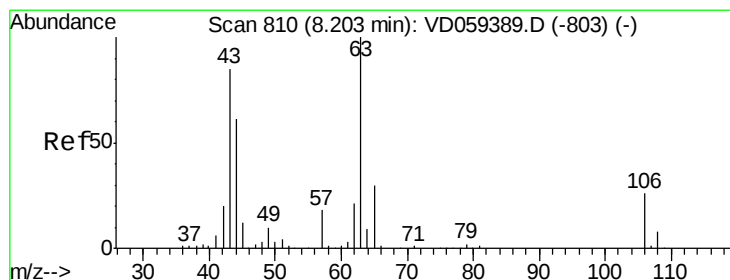
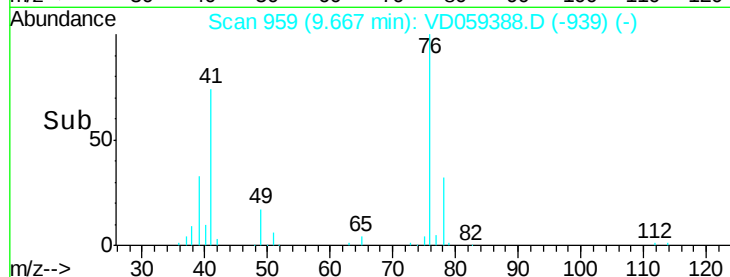
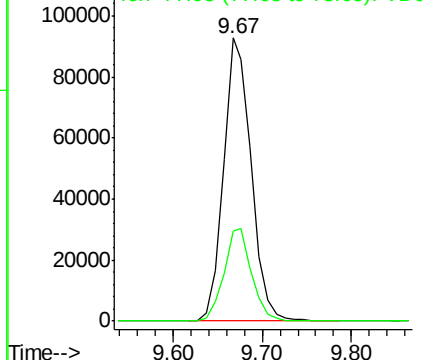
76 100

78 31.6 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.77 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059388.D

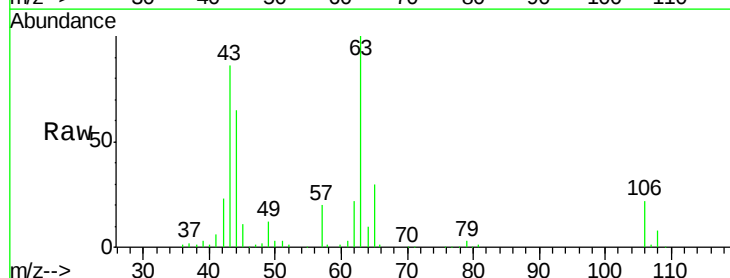
Acq: 25 Jun 2018 00:50

Tgt Ion: 63 Resp: 363580

Ion Ratio Lower Upper

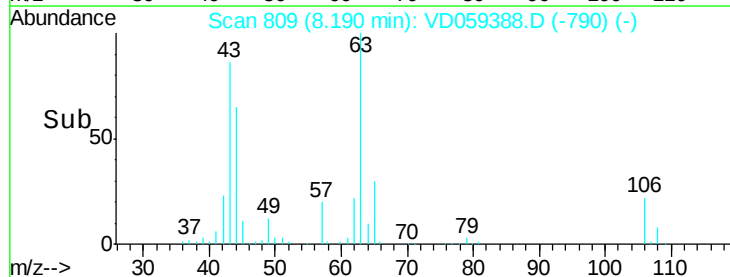
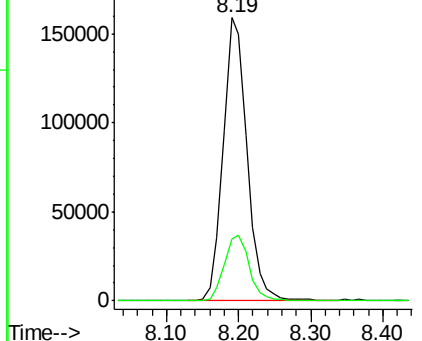
63 100

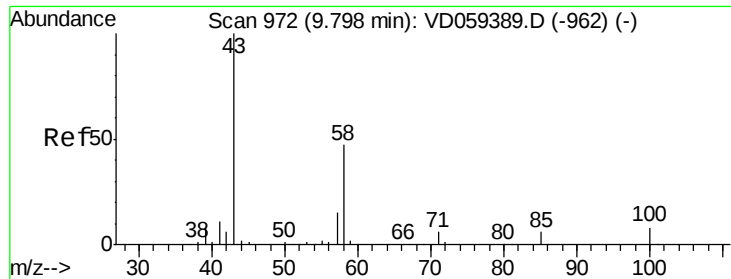
106 21.9 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

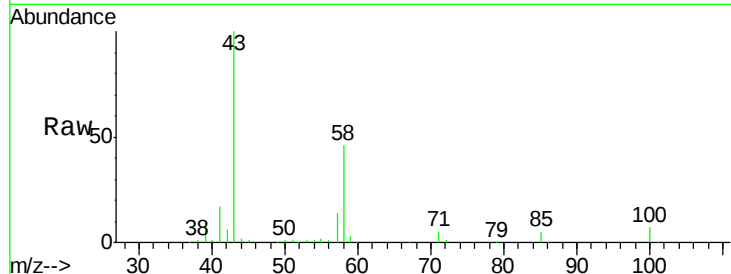




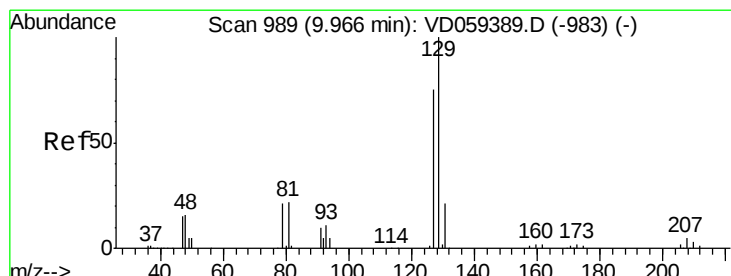
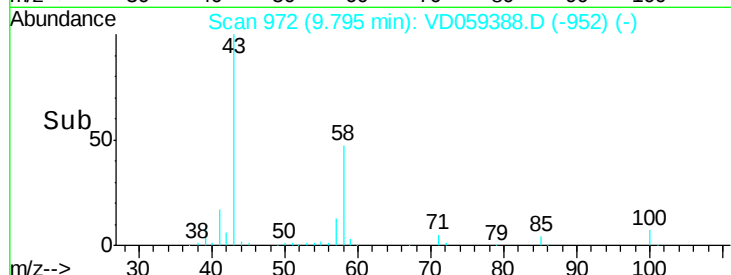
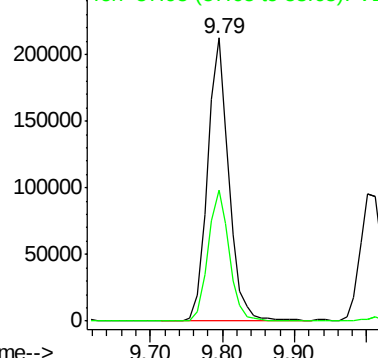
#59
2-Hexanone
Concen: 103.78 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 436441
Ion Ratio Lower Upper
43 100
58 46.1 23.3 69.9

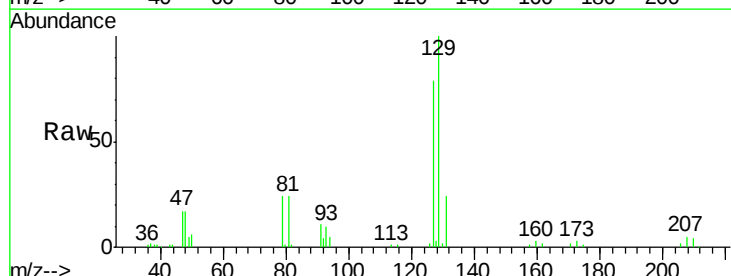


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

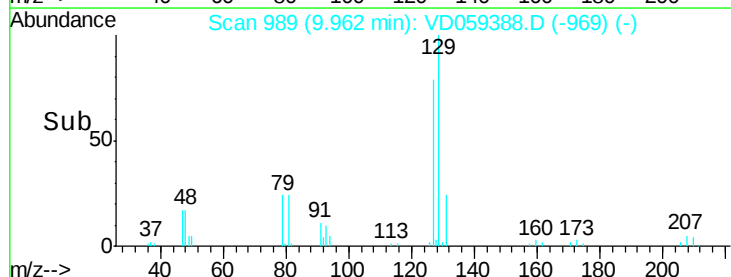
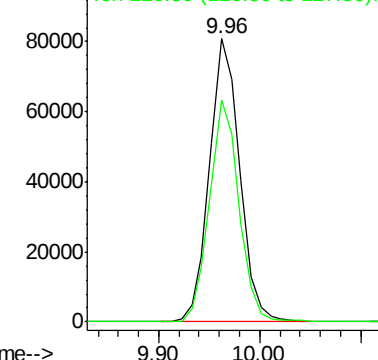


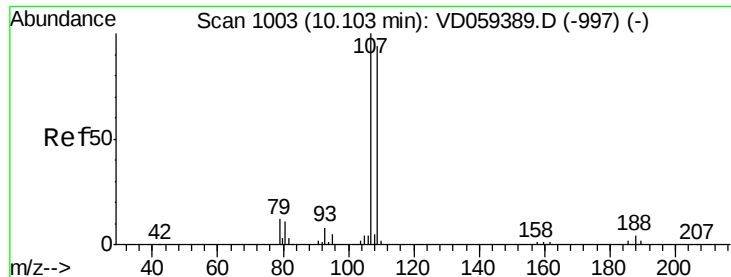
#60
Dibromochloromethane
Concen: 21.67 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 129 Resp: 168536
Ion Ratio Lower Upper
129 100
127 78.6 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.85 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

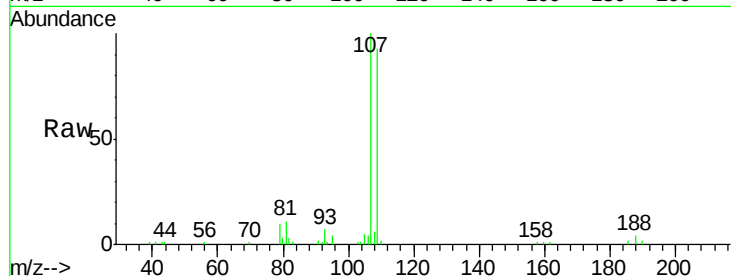
VSTDIC020

Tot Ion:107 Resp: 142081

Ion Ratio Lower Upper

107 100

109 93.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

80000

60000

40000

20000

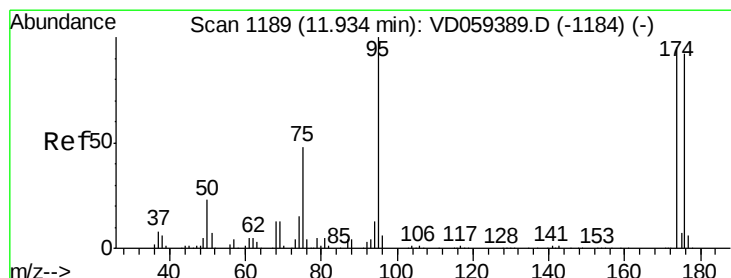
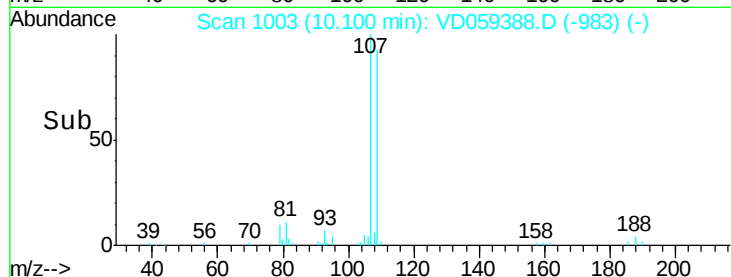
0

Time-->

10.00

10.10

10.20



#62

4-Bromofluorobenzene

Concen: 22.85 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

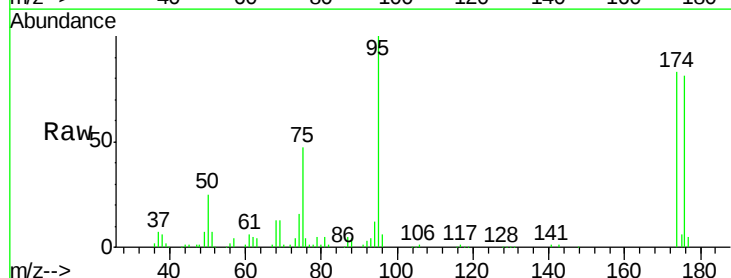
Tgt Ion: 95 Resp: 203697

Ion Ratio Lower Upper

95 100

174 83.5 0.0 190.4

176 80.6 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

200000

150000

100000

50000

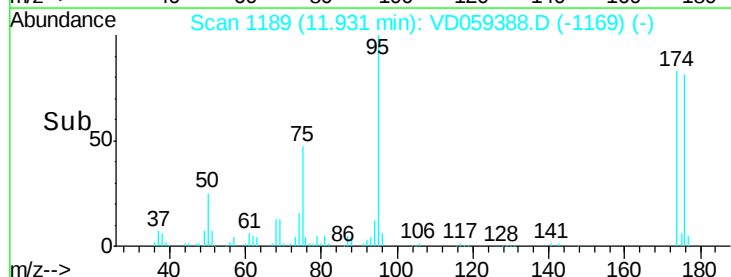
0

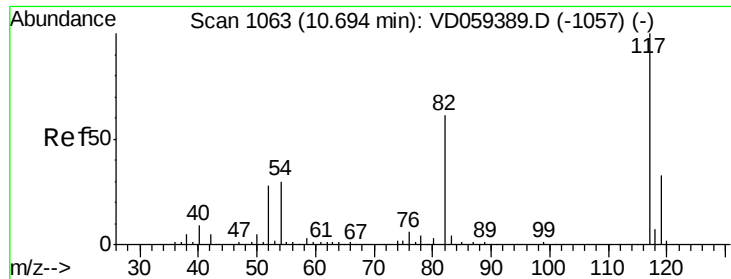
Time-->

11.90

11.93

12.00

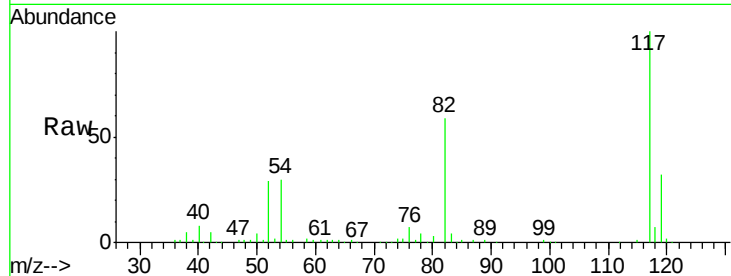




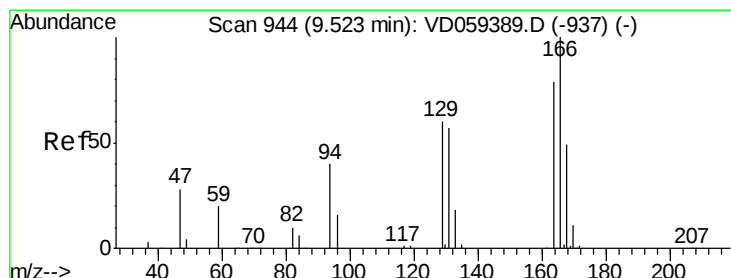
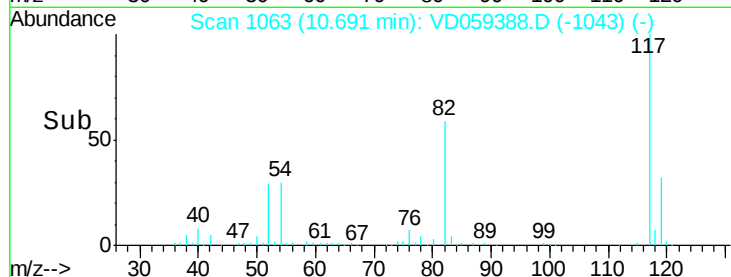
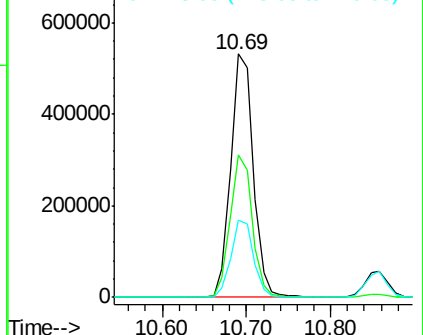
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 993239
Ion Ratio Lower Upper
117 100
82 58.5 49.0 73.6
119 31.8 26.2 39.4



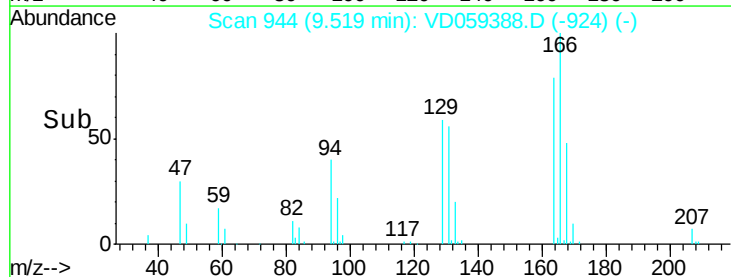
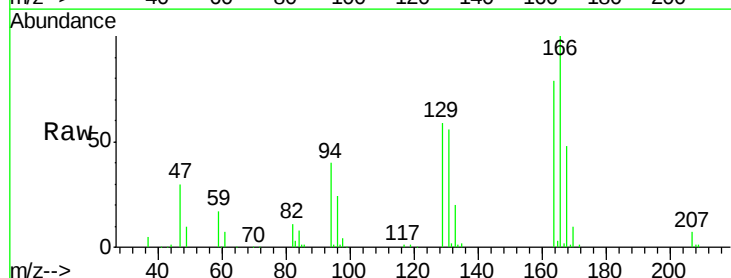
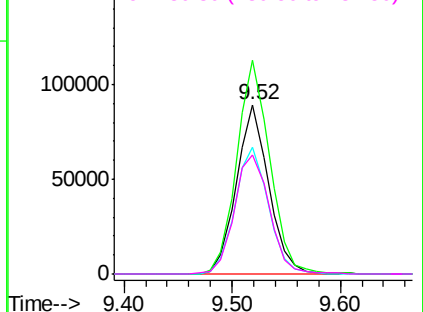
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

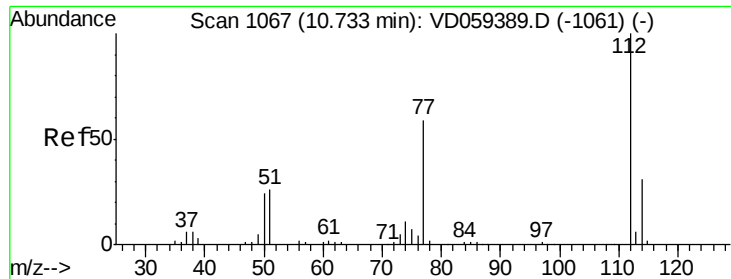


#64
Tetrachloroethene
Concen: 22.22 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion:164 Resp: 185545
Ion Ratio Lower Upper
164 100
166 126.2 101.4 152.2
129 74.8 60.9 91.3
131 70.5 58.2 87.4

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

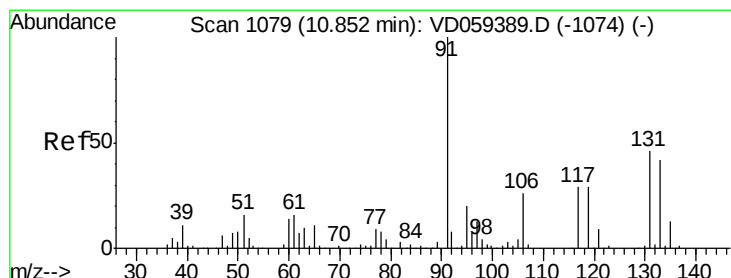
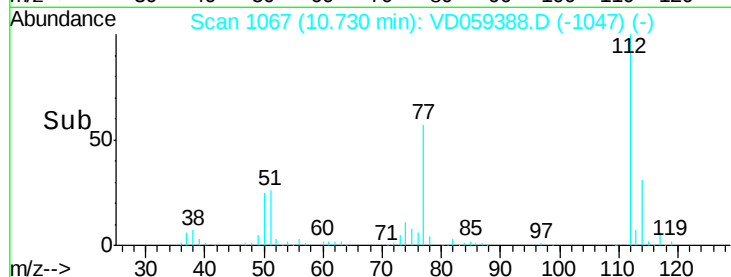
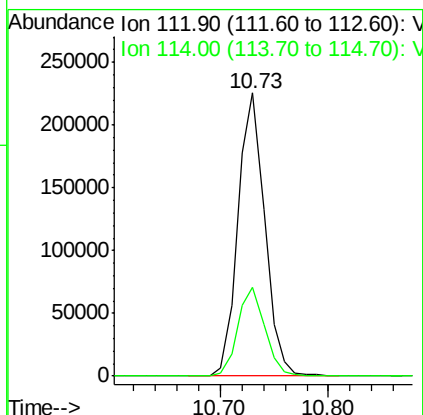
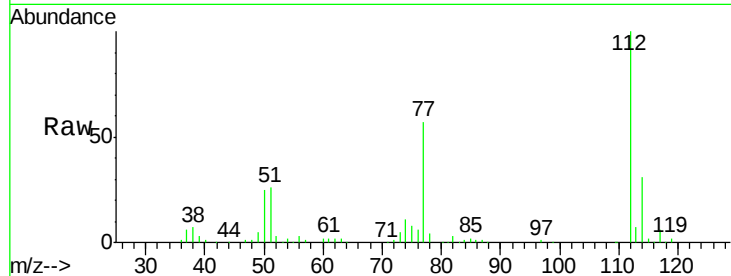




#65
Chlorobenzene
Concen: 21.09 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

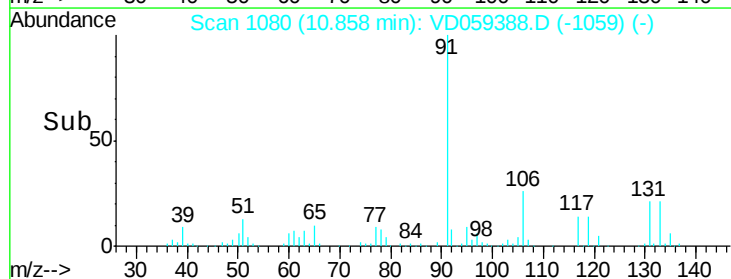
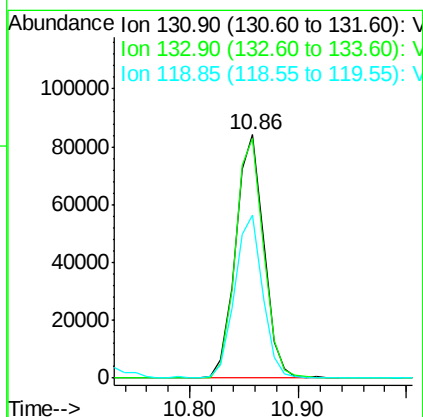
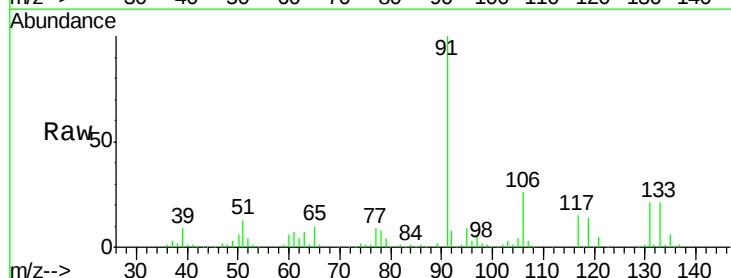
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

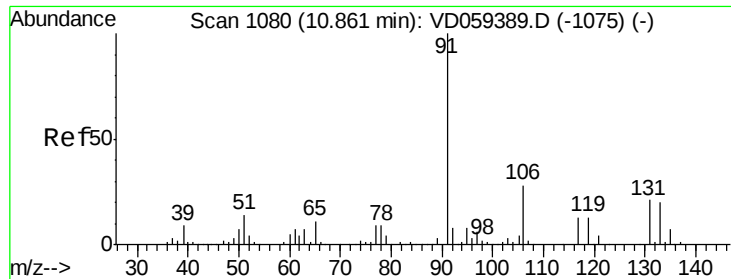
Tot Ion:112 Resp: 389571
Ion Ratio Lower Upper
112 100
114 31.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.21 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion:131 Resp: 152516
Ion Ratio Lower Upper
131 100
133 98.3 45.7 137.1
119 66.9 32.3 96.9

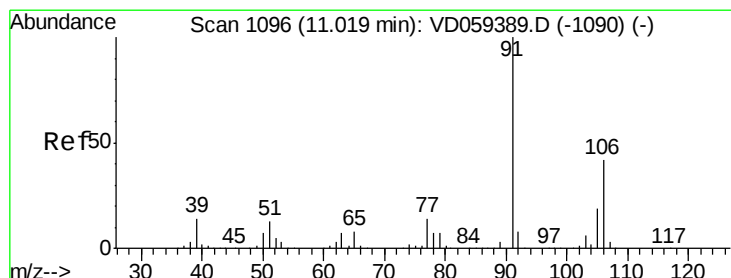
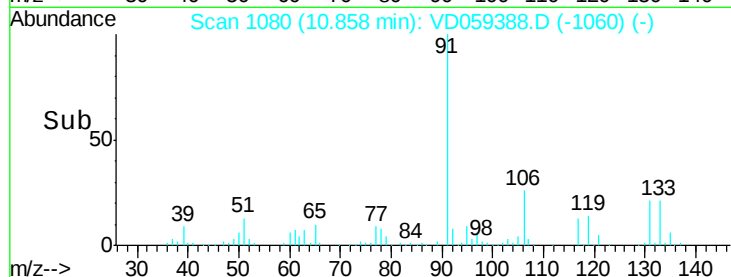
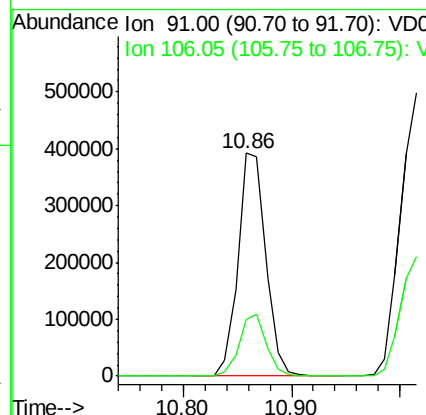
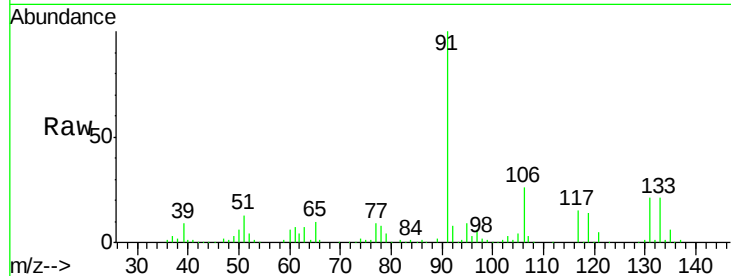




#67
Ethyl Benzene
Concen: 21.47 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

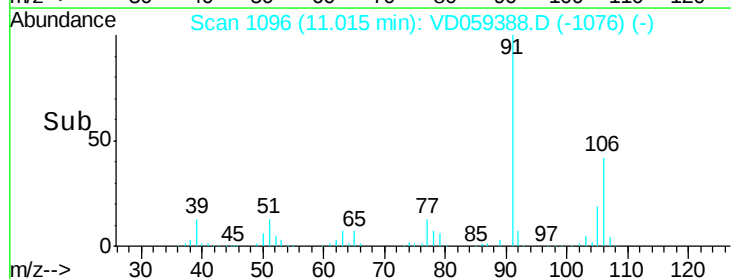
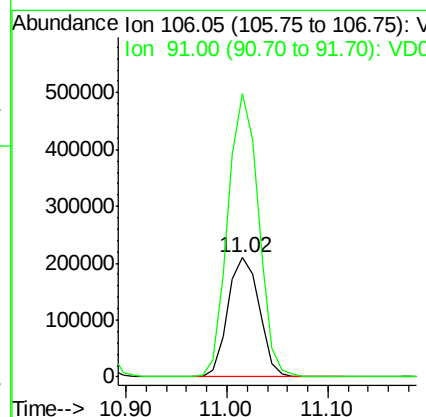
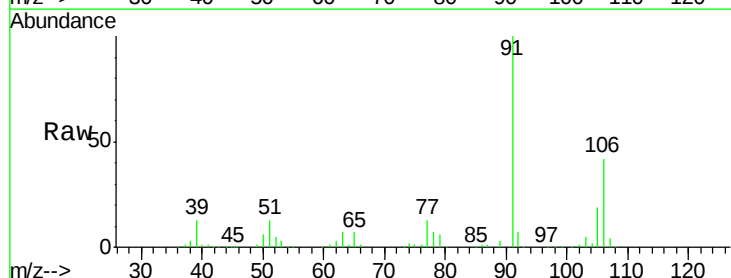
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

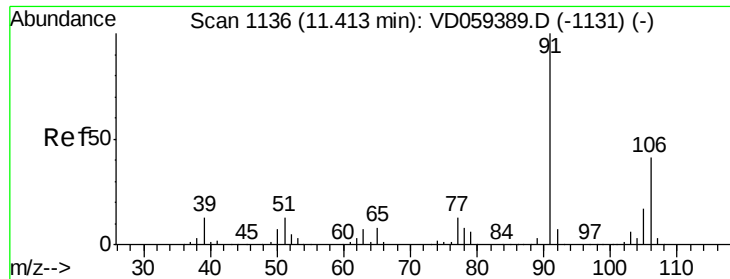
Tot Ion: 91 Resp: 701224
Ion Ratio Lower Upper
91 100
106 25.6 22.3 33.5



#68
m/p-Xylenes
Concen: 42.15 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 106 Resp: 457272
Ion Ratio Lower Upper
106 100
91 237.8 191.0 286.6

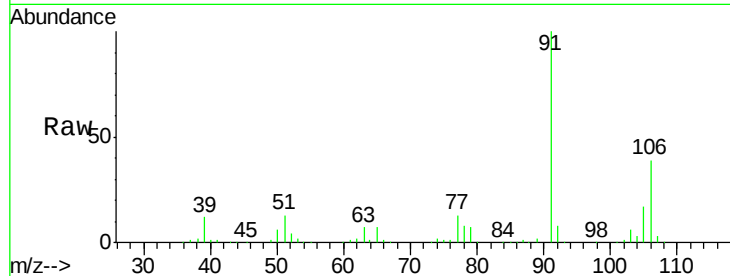




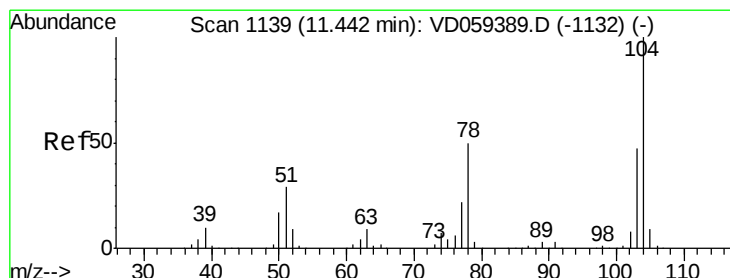
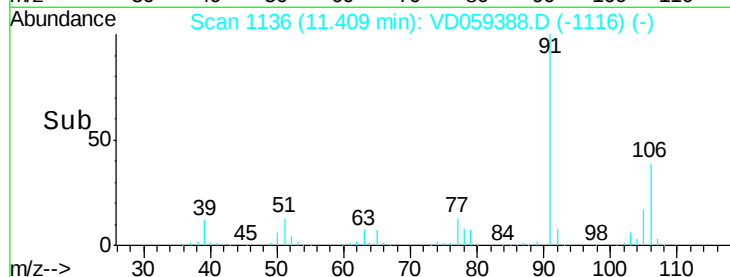
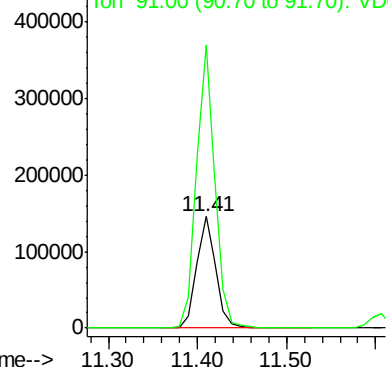
#69
o-Xylene
Concen: 21.14 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 221628
Ion Ratio Lower Upper
106 100
91 254.3 121.0 362.8

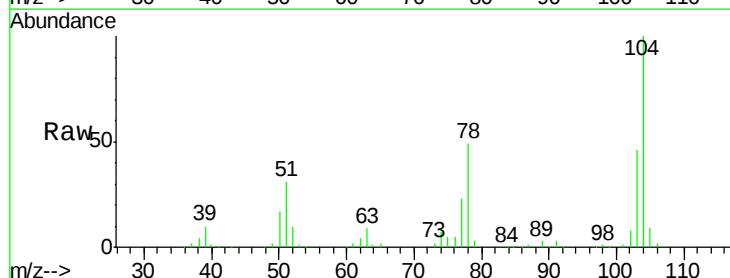


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

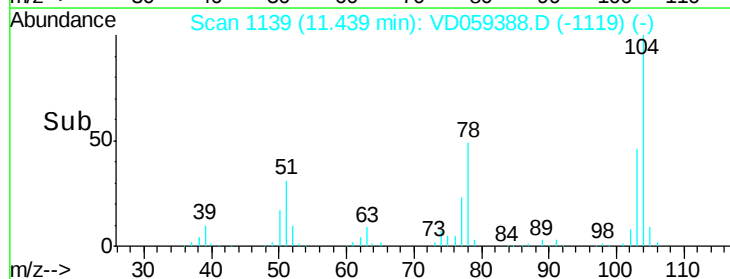
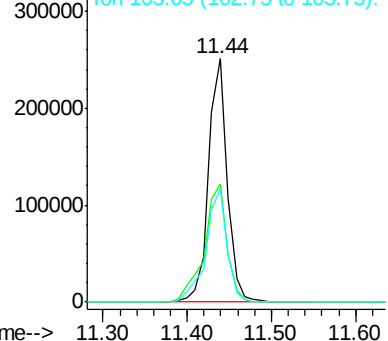


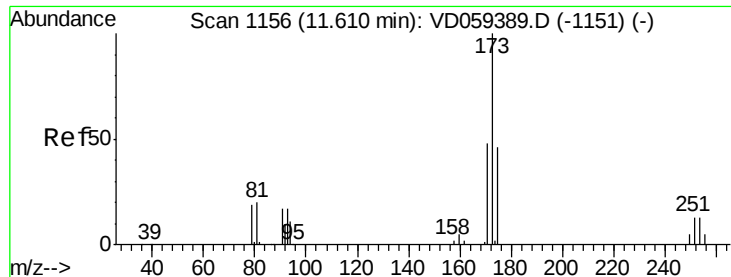
#70
Styrene
Concen: 21.58 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion:104 Resp: 385331
Ion Ratio Lower Upper
104 100
78 48.7 40.2 60.4
103 46.2 37.8 56.8



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





#71

Bromoform

Concen: 21.44 ug/l

RT: 11.61 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

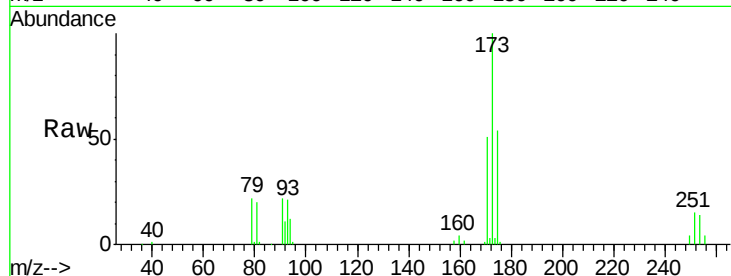
Tot Ion:173 Resp: 121591

Ion Ratio Lower Upper

173 100

175 54.1 22.8 68.4

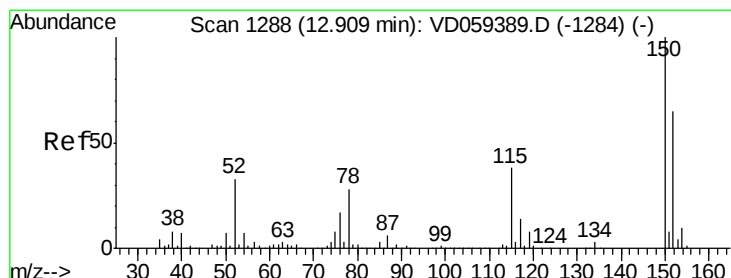
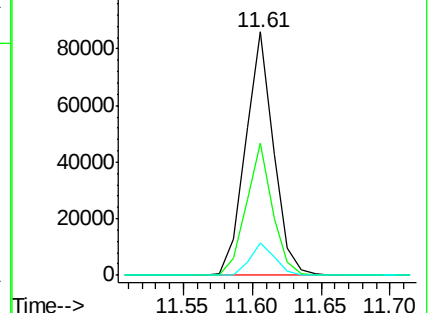
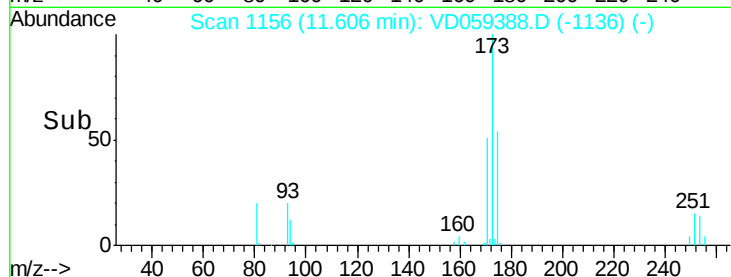
254 13.5 10.1 15.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

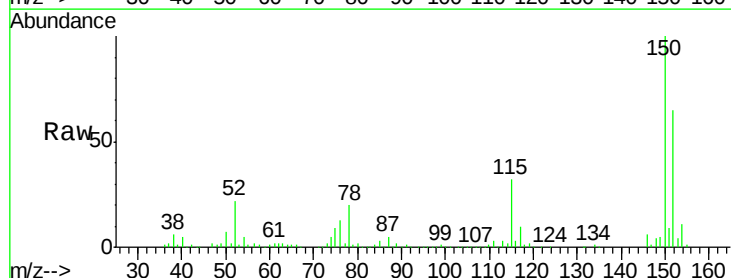
Tgt Ion:152 Resp: 539387

Ion Ratio Lower Upper

152 100

115 49.7 29.4 88.3

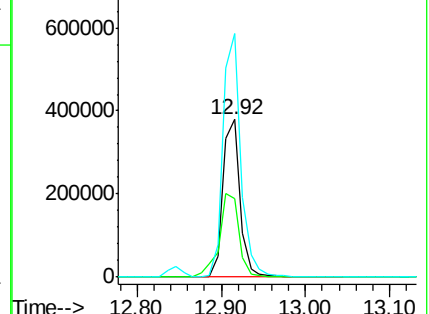
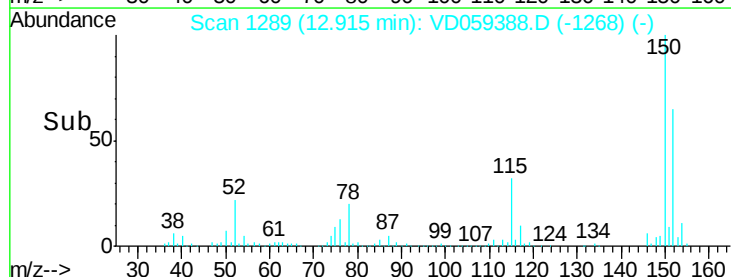
150 154.5 0.0 308.2

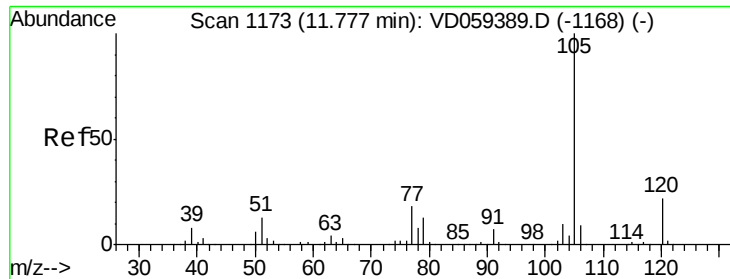


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.56 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

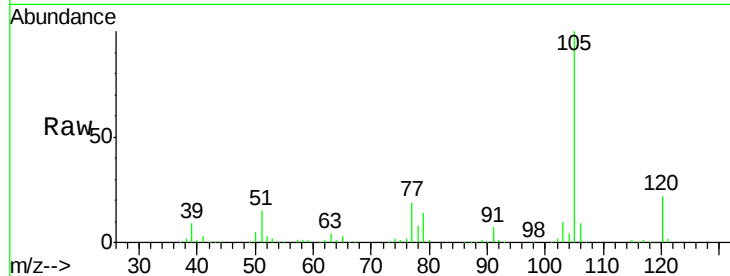
VSTDIC020

Tot Ion:105 Resp: 625589

Ion Ratio Lower Upper

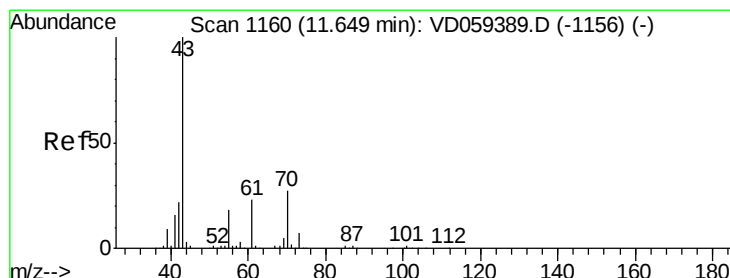
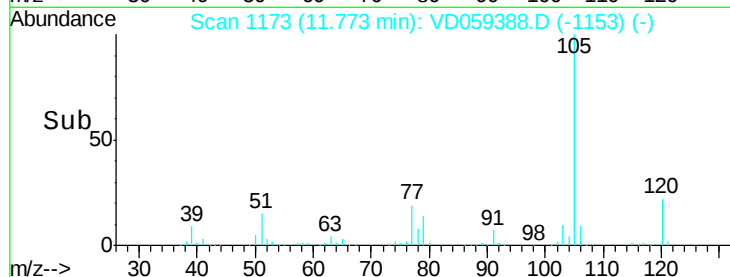
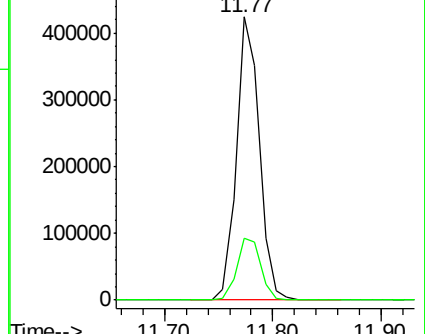
105 100

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: 19.53 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Tgt Ion: 43 Resp: 235699

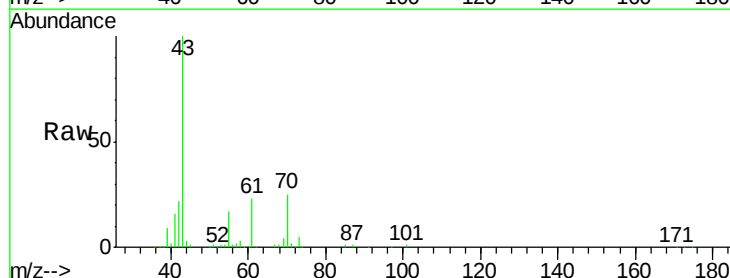
Ion Ratio Lower Upper

43 100

70 25.3 21.7 32.5

55 16.9 14.6 22.0

61 23.4 18.0 27.0

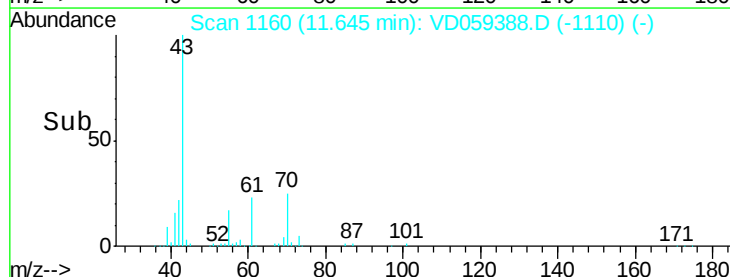
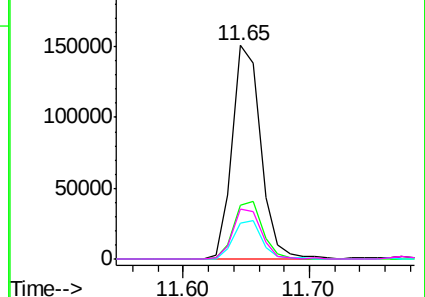


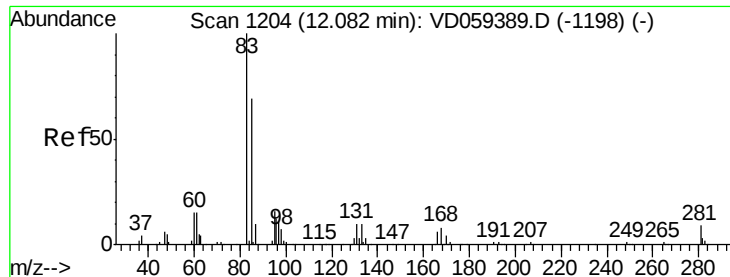
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.56 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

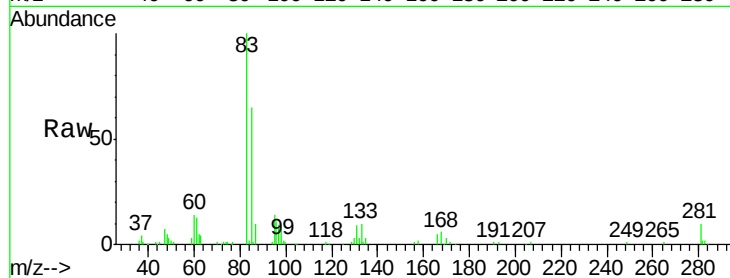
Tot Ion: 83 Resp: 150887

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.9	14.6
85	64.8	34.6	103.8

83 100

131 8.7 4.9 14.6

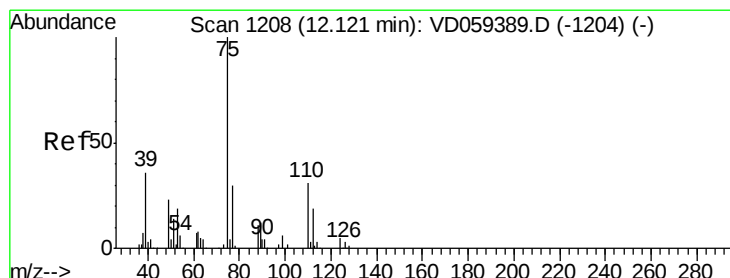
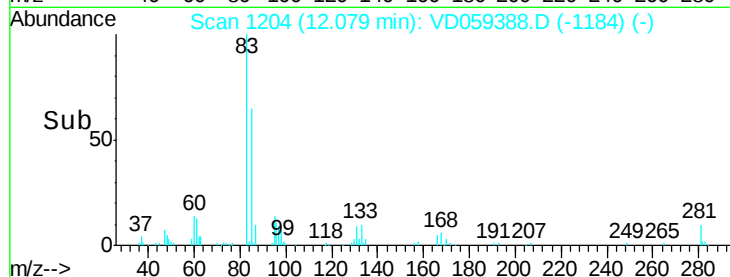
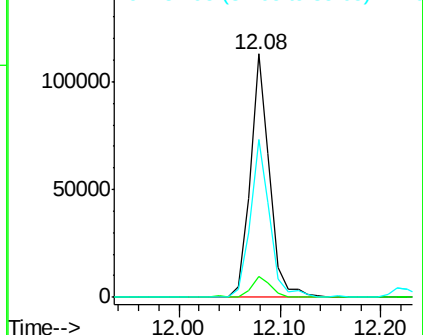
85 64.8 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.96 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059388.D

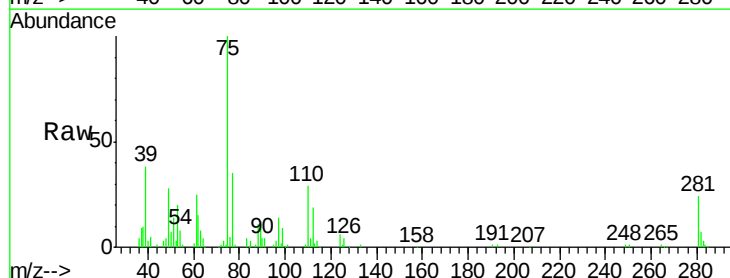
Acq: 25 Jun 2018 00:50

Tgt Ion: 75 Resp: 153759

Ion	Ratio	Lower	Upper
75	100		
77	34.5	15.6	46.8

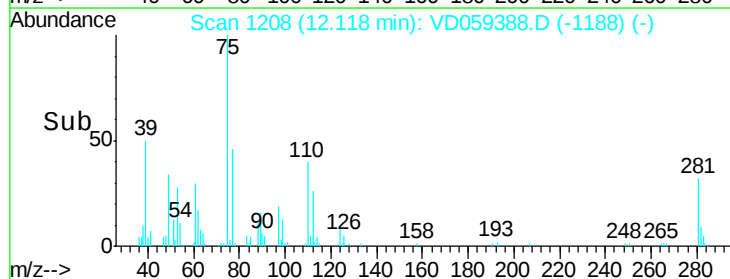
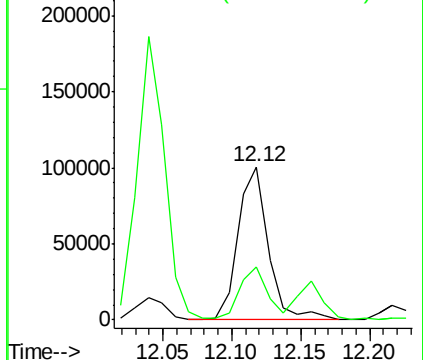
75 100

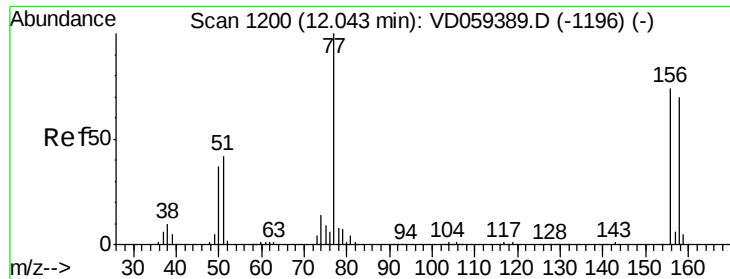
77 34.5 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.49 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

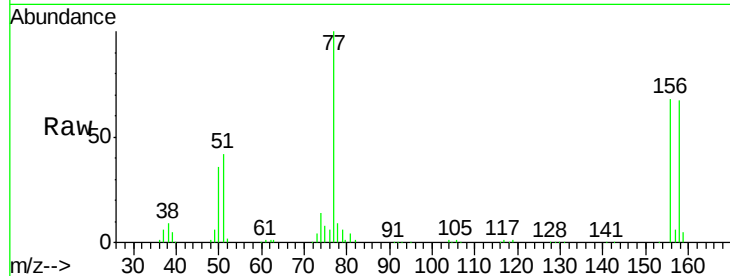
Tot Ion:156 Resp: 197058

Ion Ratio Lower Upper

156 100

77 147.0 68.0 203.8

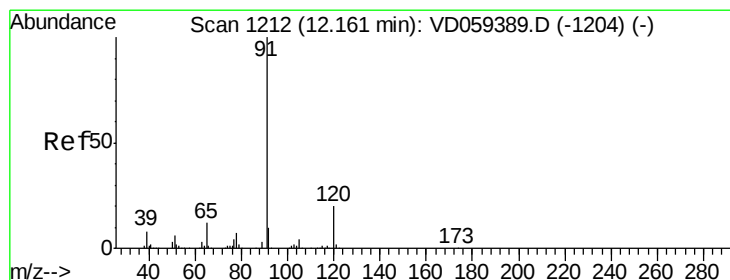
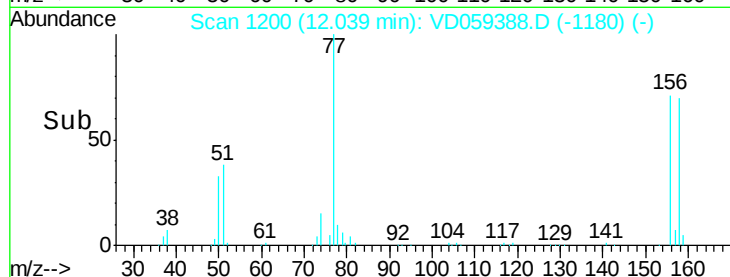
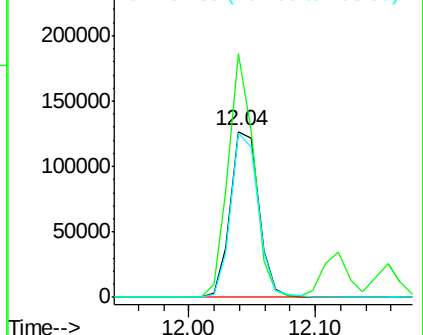
158 99.2 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.09 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059388.D

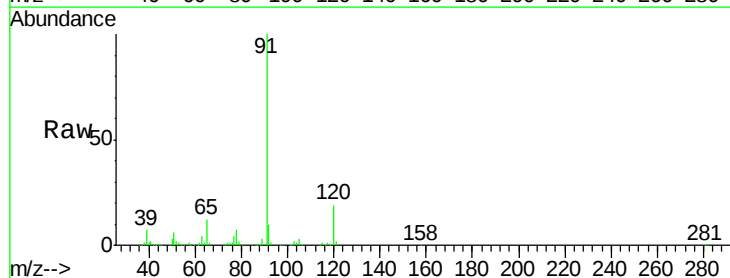
Acq: 25 Jun 2018 00:50

Tgt Ion: 91 Resp: 783344

Ion Ratio Lower Upper

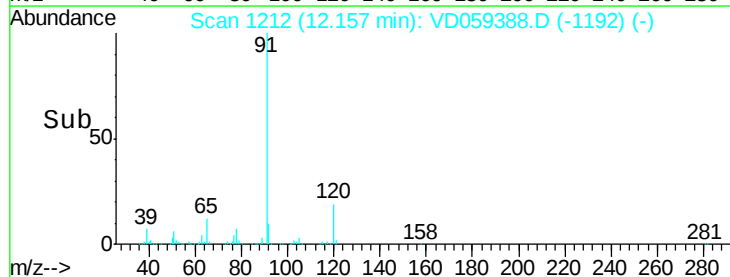
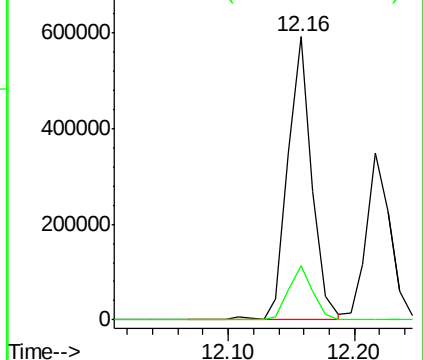
91 100

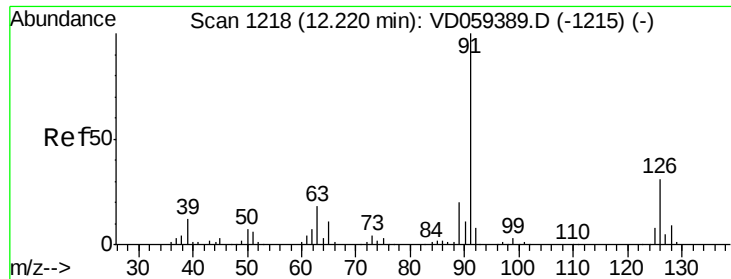
120 19.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

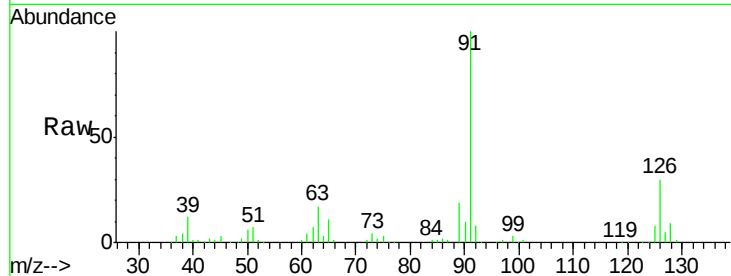




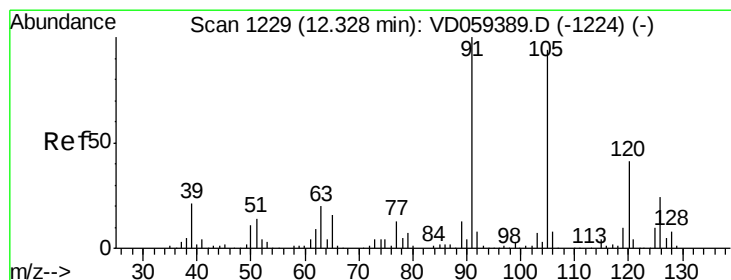
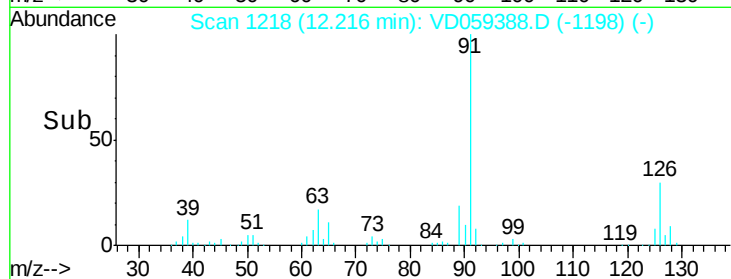
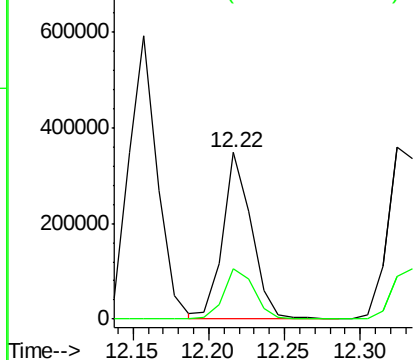
#79
2-Chlorotoluene
Concen: 19.47 ug/l
RT: 12.22 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 458647
Ion Ratio Lower Upper
91 100
126 29.9 15.2 45.5

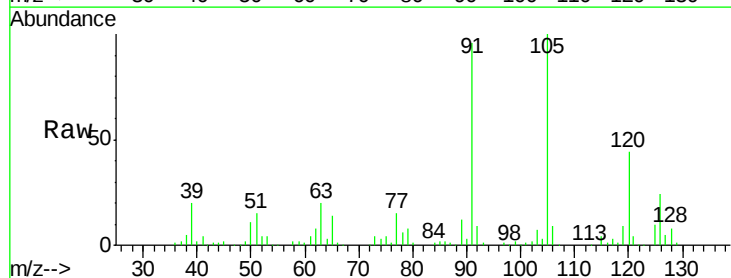


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

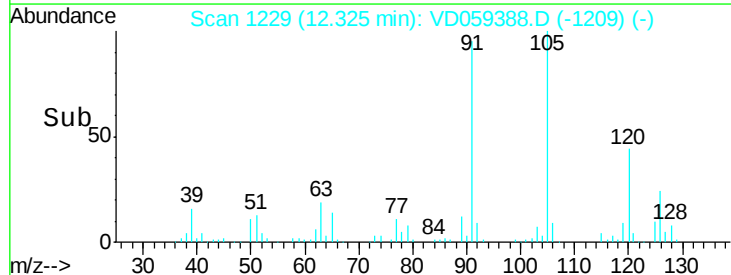
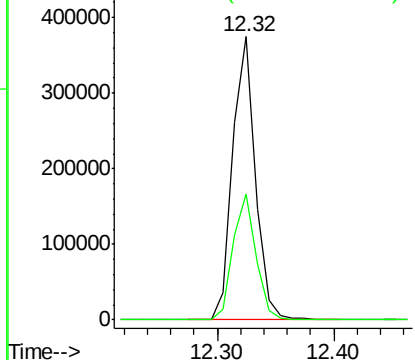


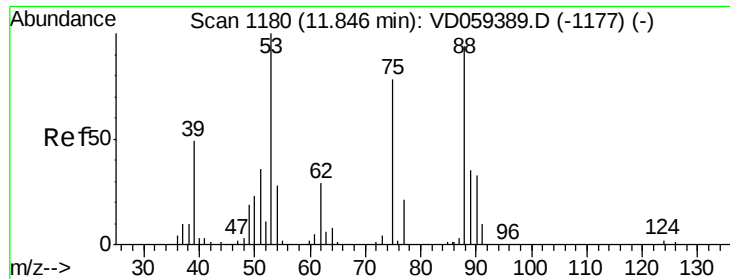
#80
1,3,5-Trimethylbenzene
Concen: 20.42 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 105 Resp: 506803
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.98 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

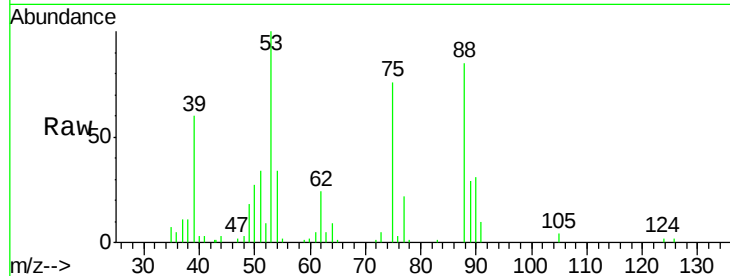
Tot Ion: 75 Resp: 34931

Ion Ratio Lower Upper

75 100

53 131.2 102.6 154.0

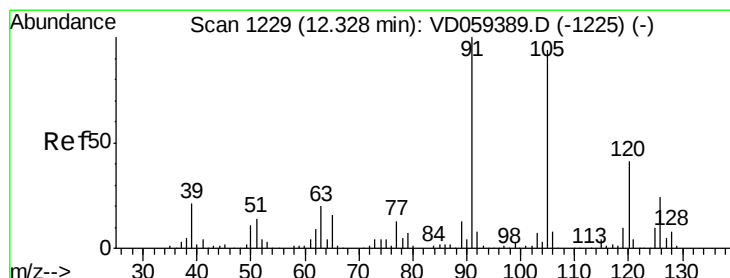
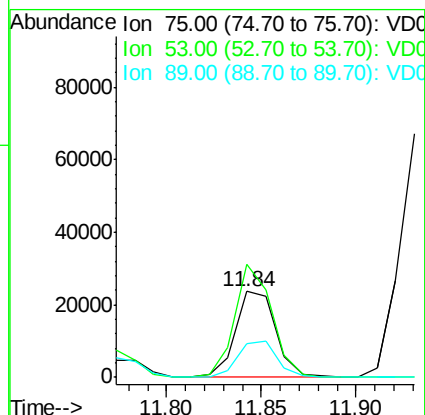
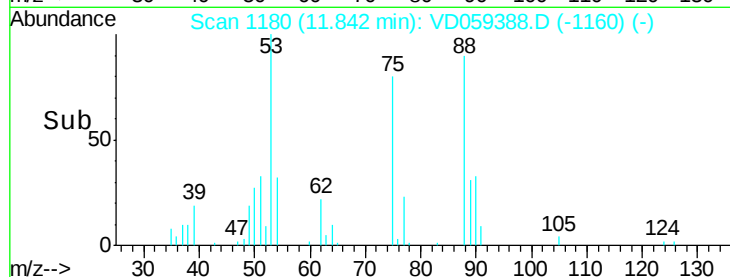
89 38.7 35.9 53.9



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: 20.46 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059388.D

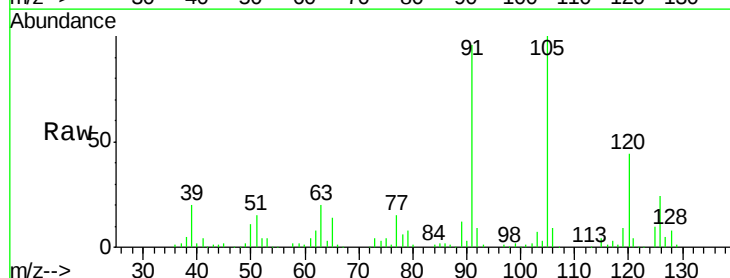
Acq: 25 Jun 2018 00:50

Tgt Ion: 91 Resp: 541026

Ion Ratio Lower Upper

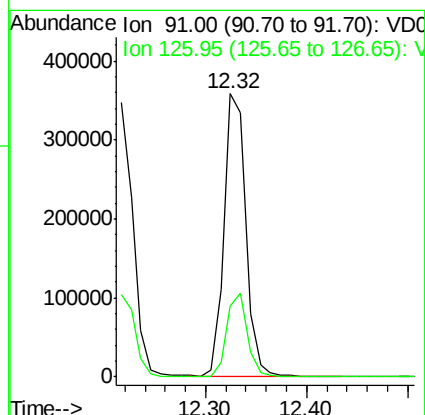
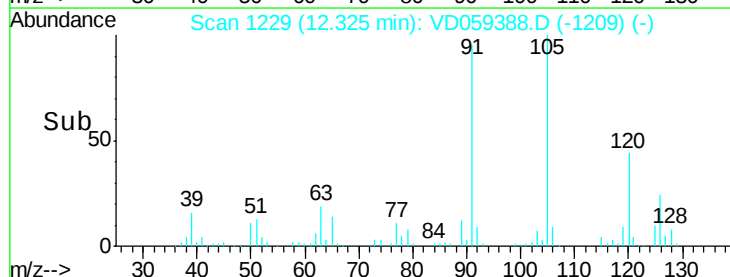
91 100

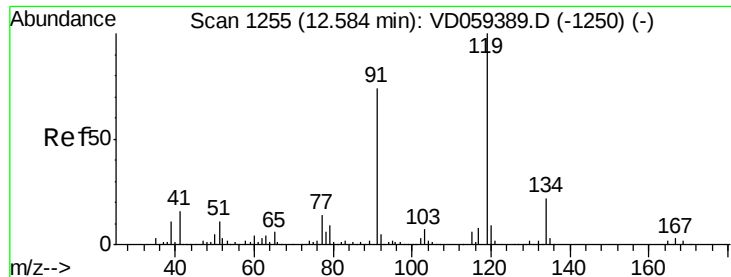
126 25.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

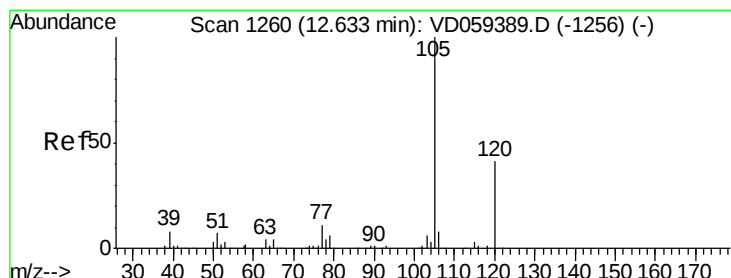
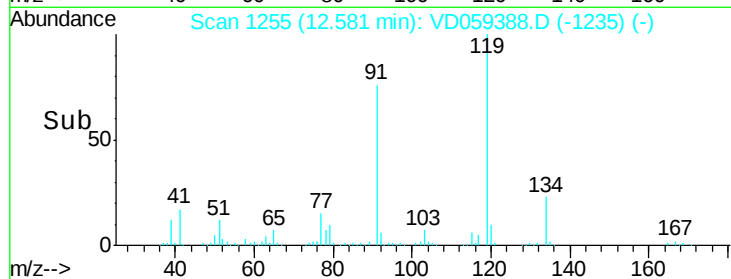
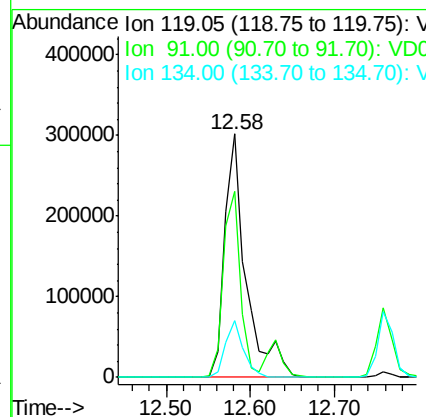
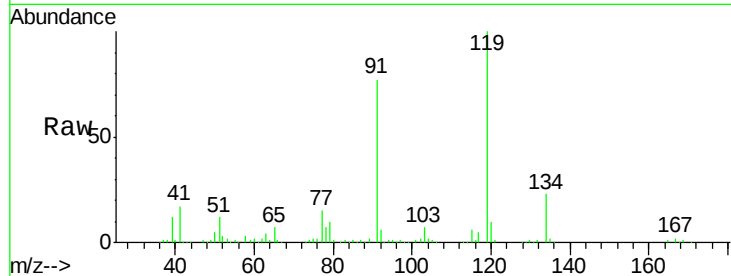




#83
 tert-Butylbenzene
 Concen: 18.67 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

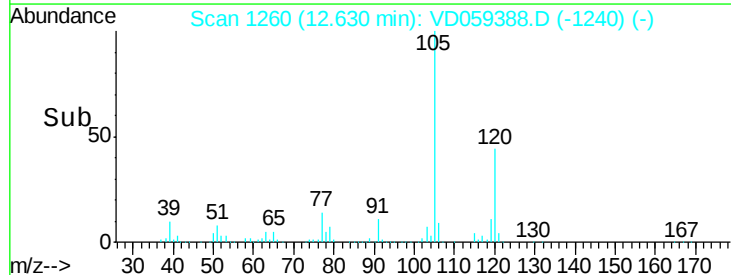
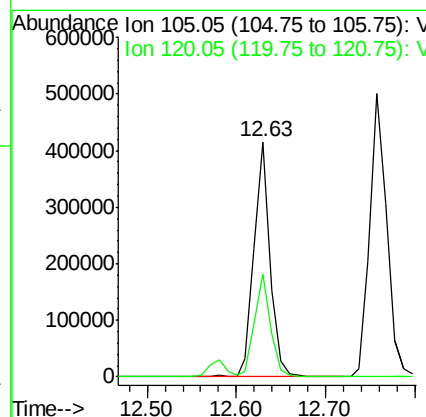
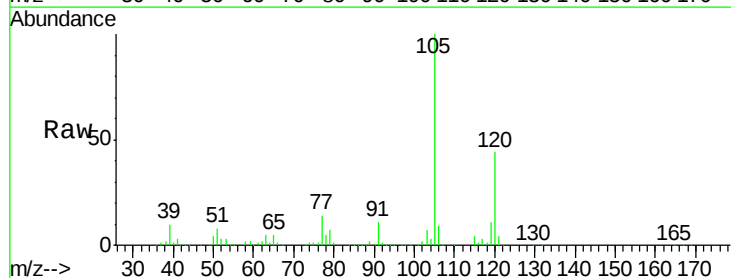
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

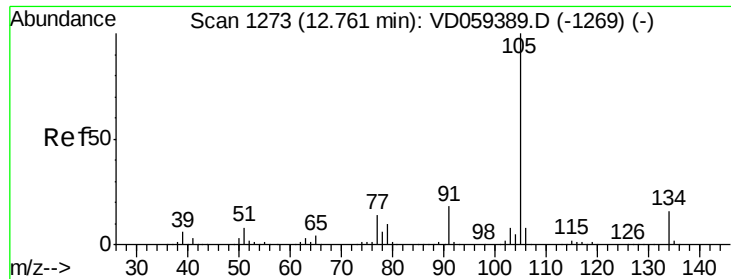
Tot Ion:	119	Resp:	530592
Ion	Ratio	Lower	Upper
119	100		
91	76.7	36.9	110.7
134	23.2	11.2	33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.08 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:	105	Resp:	516030
Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.5	64.5

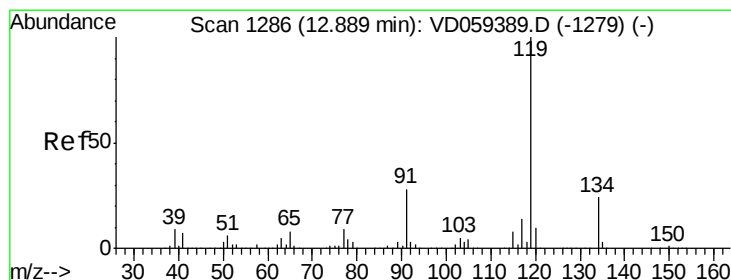
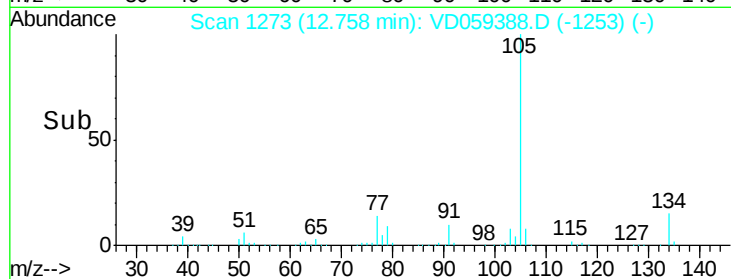
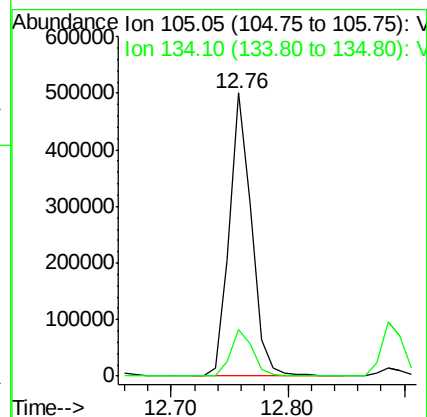
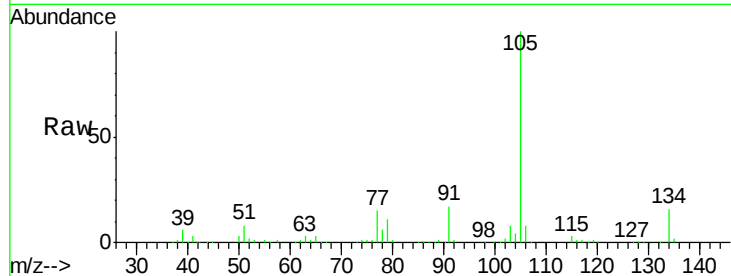




#85
 sec-Butylbenzene
 Concen: 19.76 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

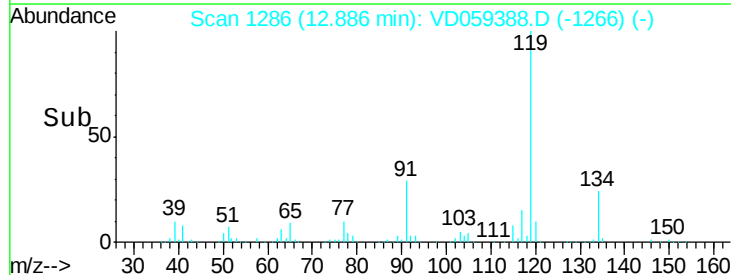
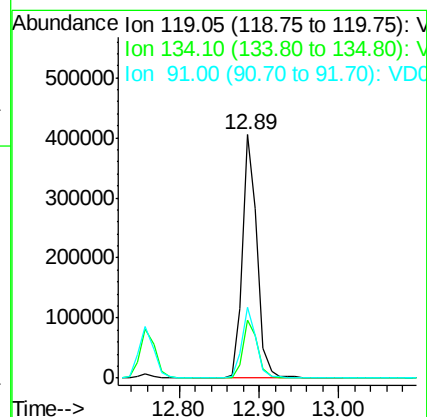
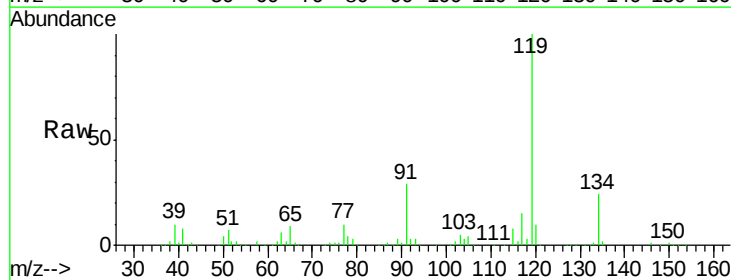
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion:105 Resp: 660434
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 19.23 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:119 Resp: 522200
 Ion Ratio Lower Upper
 119 100
 134 23.7 11.9 35.5
 91 29.3 14.1 42.4

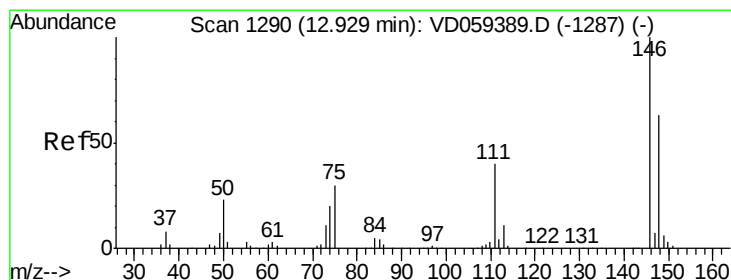
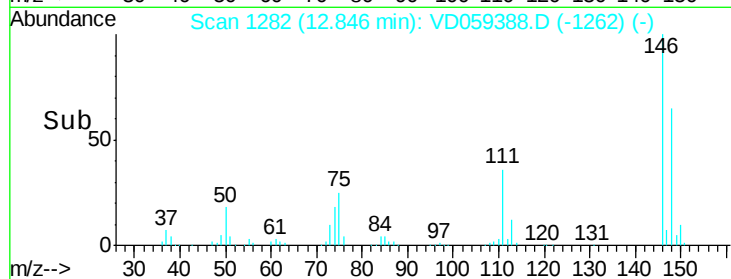
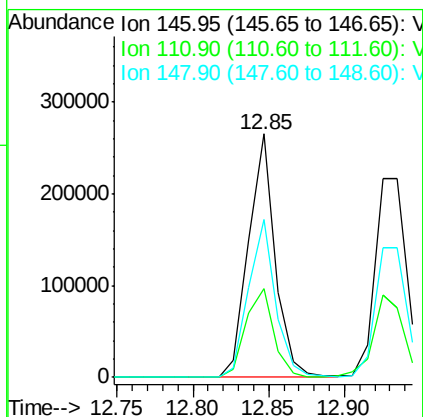
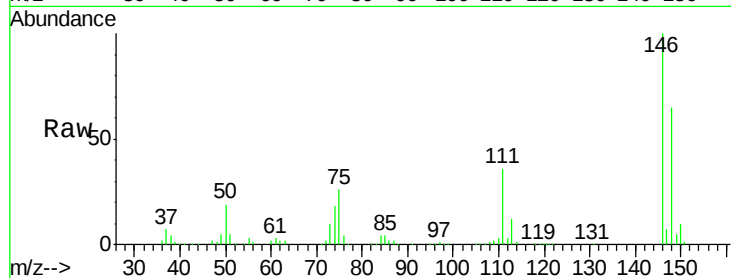




#87
 1,3-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

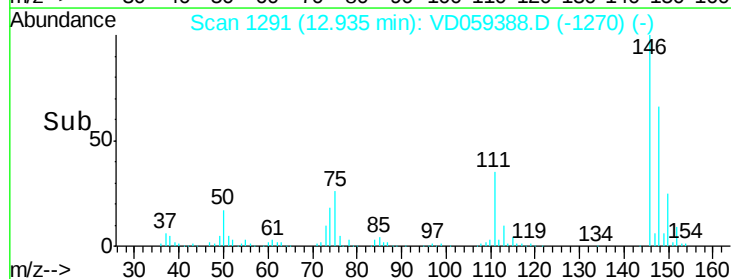
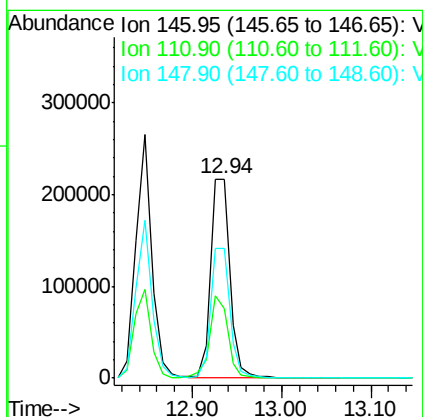
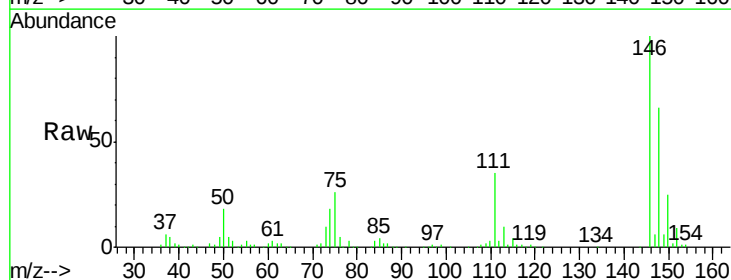
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

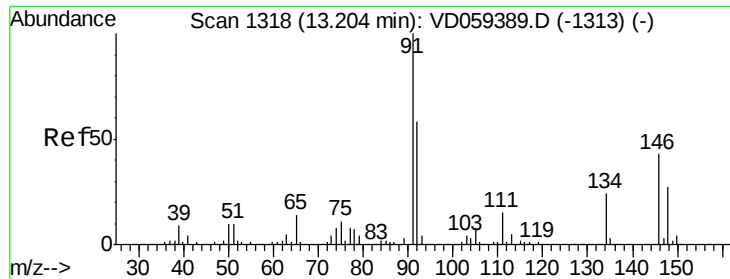
Tot Ion:146 Resp: 326000
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.6 52.8
 148 65.1 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 20.20 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:146 Resp: 326807
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.1 60.2
 148 65.5 31.4 94.0

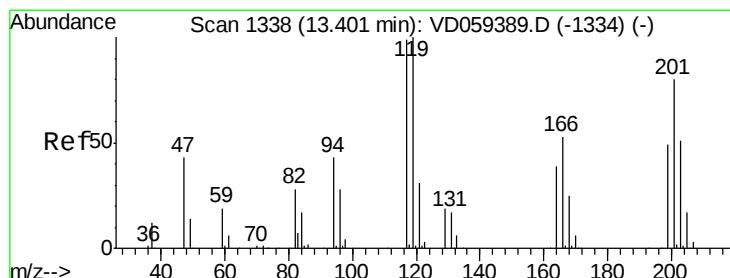
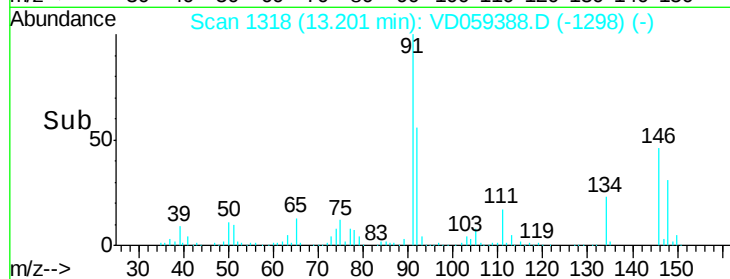
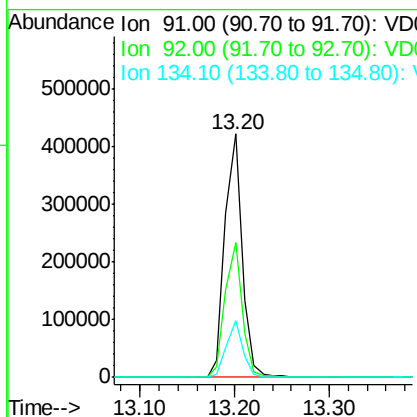
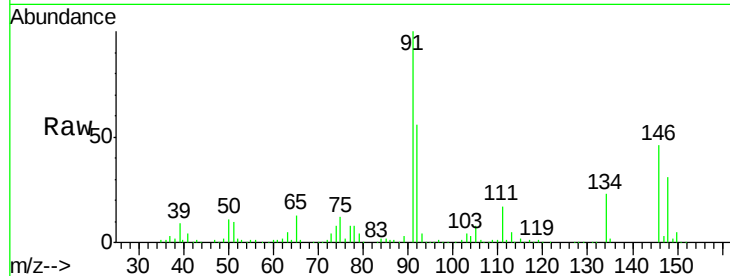




#89
n-Butylbenzene
Concen: 18.98 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

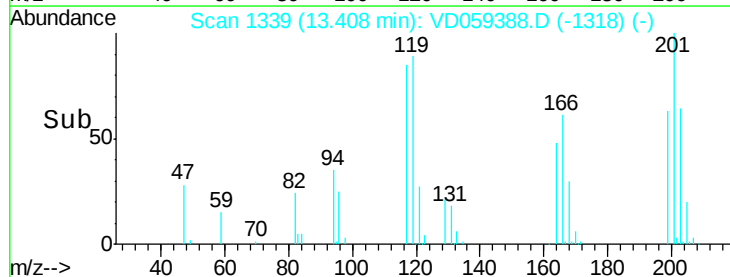
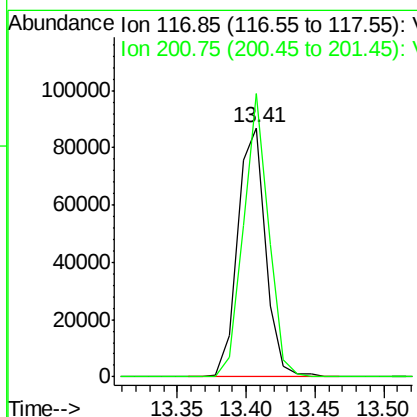
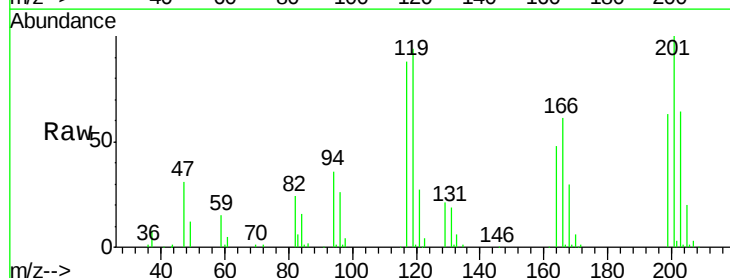
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

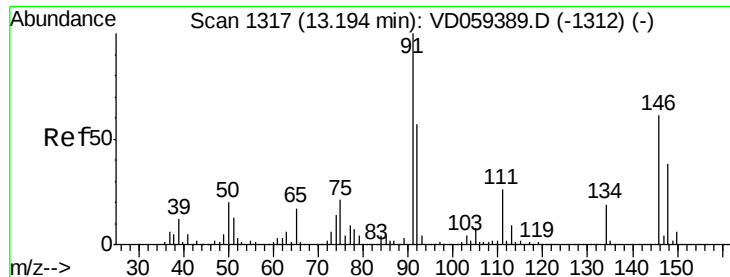
Tot Ion: 91 Resp: 534477
Ion Ratio Lower Upper
91 100
92 55.6 28.8 86.5
134 23.3 11.9 35.7



#90
Hexachloroethane
Concen: 17.56 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059388.D
Acq: 25 Jun 2018 00:50

Tgt Ion: 117 Resp: 122839
Ion Ratio Lower Upper
117 100
201 113.7 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 20.11 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

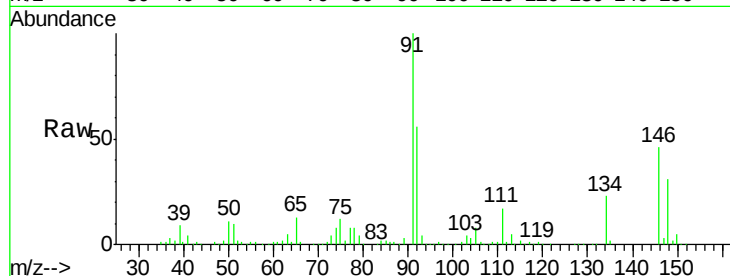
Tot Ion:146 Resp: 281649

Ion Ratio Lower Upper

146 100

111 37.9 21.4 64.2

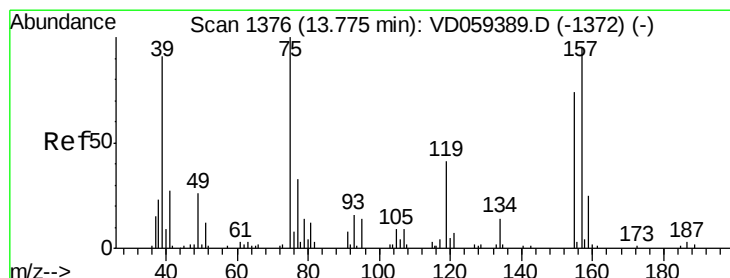
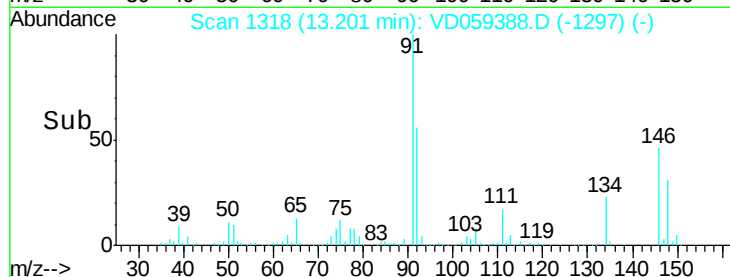
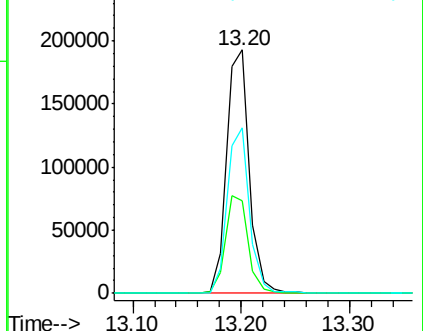
148 68.0 31.6 95.0



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: 20.59 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

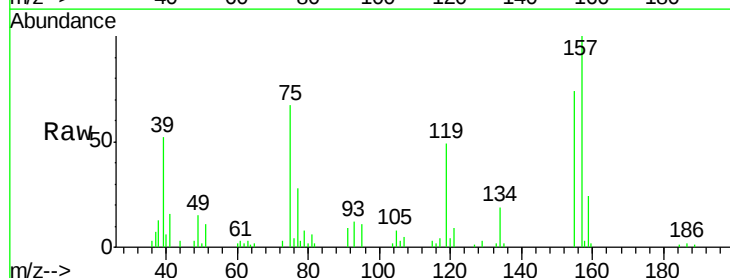
Tgt Ion: 75 Resp: 24184

Ion Ratio Lower Upper

75 100

155 109.6 37.2 111.6

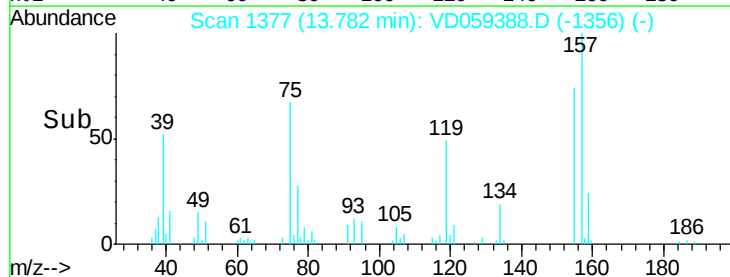
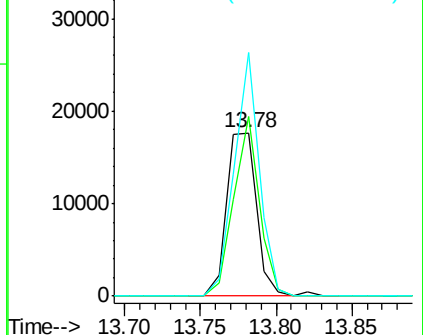
157 148.9 47.4 142.2#

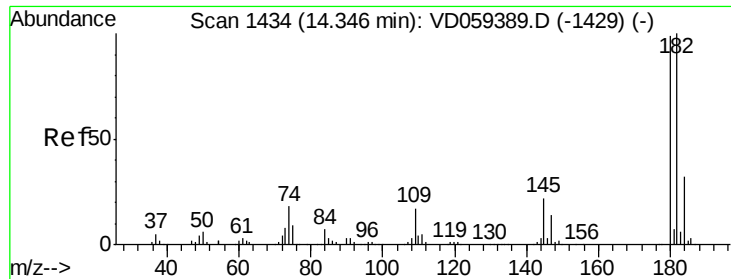


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

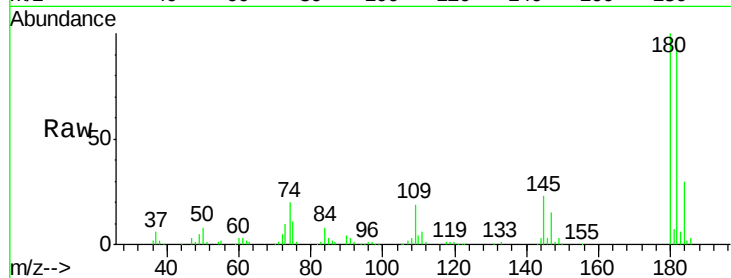




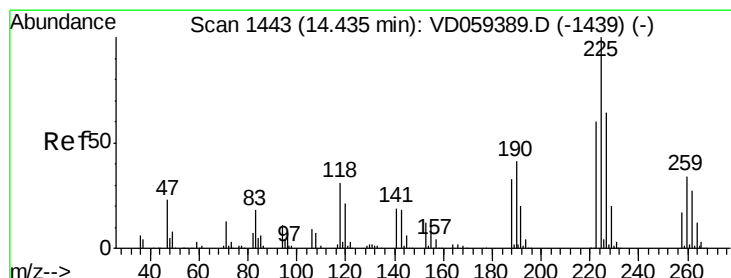
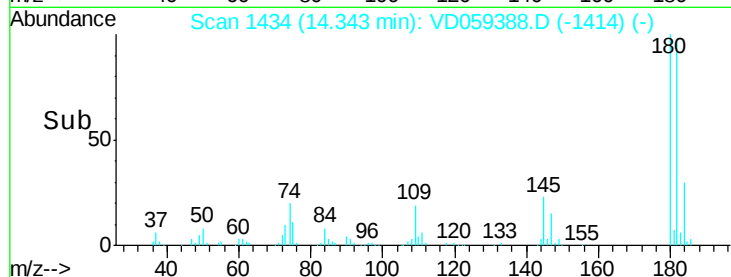
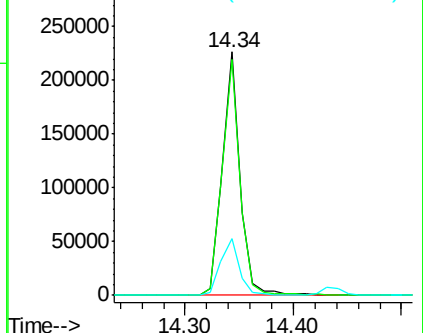
#93
 1,2,4-Trichlorobenzene
 Concen: 19.28 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 256467
 Ion Ratio Lower Upper
 180 100
 182 96.7 50.4 151.2
 145 23.1 11.0 33.0

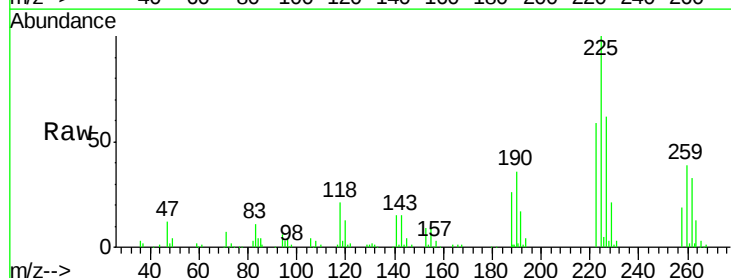


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

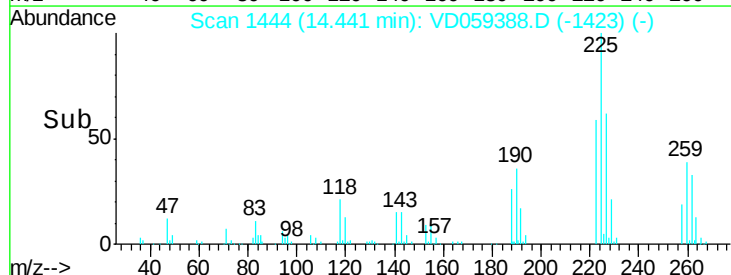
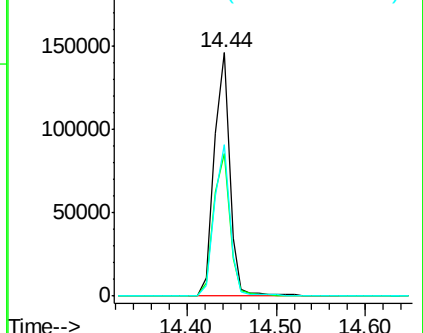


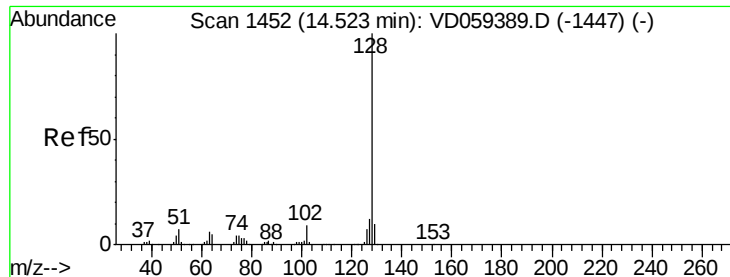
#94
 Hexachlorobutadiene
 Concen: 17.05 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059388.D
 Acq: 25 Jun 2018 00:50

Tgt Ion:225 Resp: 179096
 Ion Ratio Lower Upper
 225 100
 223 58.6 30.0 90.1
 227 62.0 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: 20.85 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

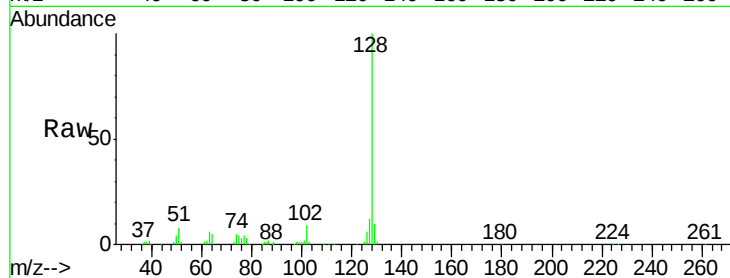
Tot Ion:128 Resp: 364733

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

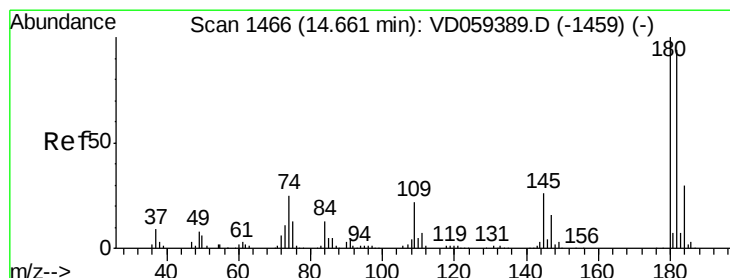
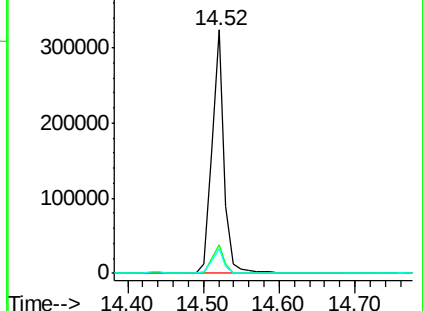
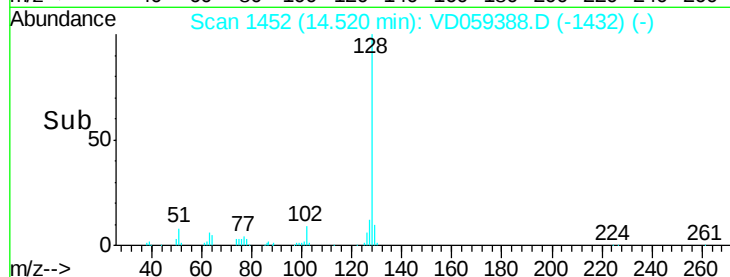
129 10.4 8.2 12.2



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: 19.50 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059388.D

Acq: 25 Jun 2018 00:50

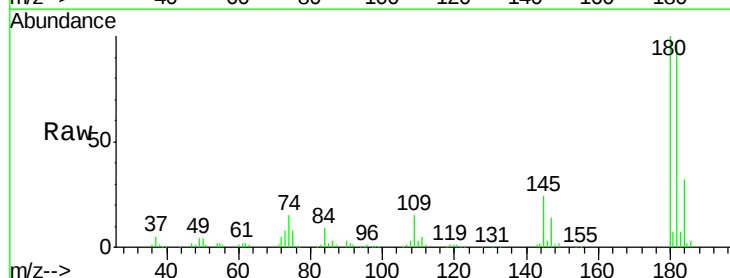
Tgt Ion:180 Resp: 228955

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.4

145 24.1 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

