

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059386.D
 Acq On : 24 Jun 2018 23:54
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 25 06:53:49 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	967565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1205656	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1057201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	530100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	44132	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
35) Dibromofluoromethane	5.56	113	48086	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	8.72	98	108782	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
62) 4-Bromofluorobenzene	11.94	95	49386	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	41428	4.29	ug/l	93
3) Chloromethane	1.49	50	25290	5.30	ug/l	99
4) Vinyl Chloride	1.55	62	23634	4.73	ug/l	99
5) Bromomethane	1.80	94	11881	6.43	ug/l	84
6) Chloroethane	1.89	64	10948	5.84	ug/l	89
7) Trichlorofluoromethane	2.09	101	36821	5.27	ug/l	87
8) Diethyl Ether	2.35	74	6805	4.64	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.56	101	21610	4.92	ug/l	95
10) Methyl Iodide	2.70	142	19205	3.82	ug/l	95
11) Tert butyl alcohol	3.26	59	9370	28.48	ug/l #	72
12) 1,1-Dichloroethene	2.55	96	17820	5.43	ug/l	85
13) Acrolein	2.47	56	3601	17.11	ug/l	89
14) Allyl chloride	2.92	41	38407	5.06	ug/l	96
15) Acrylonitrile	3.35	53	25471	28.99	ug/l #	86
16) Acetone	2.62	43	34338	26.47	ug/l #	88
17) Carbon Disulfide	2.75	76	51840	4.69	ug/l #	94
18) Methyl Acetate	2.93	43	21269	7.46	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	79070	8.03	ug/l	100
20) Methylene Chloride	3.08	84	26461	6.43	ug/l	92
21) trans-1,2-Dichloroethene	3.40	96	31864	8.00	ug/l	80
22) Diisopropyl ether	4.08	45	138270	4.60	ug/l #	86
23) Vinyl Acetate	4.02	43	298642	18.73	ug/l	98
24) 1,1-Dichloroethane	3.98	63	81845	5.02	ug/l	99
25) 2-Butanone	4.84	43	70087	24.87	ug/l	99
26) 2,2-Dichloropropane	4.81	77	64875	4.79	ug/l	92
27) cis-1,2-Dichloroethene	4.81	96	56367	6.25	ug/l	85
28) Bromochloromethane	5.16	49	28115	3.86	ug/l	94
29) Tetrahydrofuran	5.20	42	36743	24.49	ug/l	99
30) Chloroform	5.33	83	88988	5.14	ug/l	92
31) Cyclohexane	5.60	56	83195	6.04	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	70100	4.90	ug/l	97
36) 1,1-Dichloropropene	5.75	75	66882	5.70	ug/l	98
37) Ethyl Acetate	4.93	43	36151	5.46	ug/l #	96
38) Carbon Tetrachloride	5.73	117	59728	5.11	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059386.D
 Acq On : 24 Jun 2018 23:54
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jun 25 06:53:49 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)
39) Methylcyclohexane	7.29	83	61713	5.42	ug/l	96
40) Benzene	6.02	78	148737	5.30	ug/l	99
41) Methacrylonitrile	5.13	41	17051	5.20	ug/l	98
42) 1,2-Dichloroethane	6.13	62	59423	5.21	ug/l	98
43) Isopropyl Acetate	7.63	43	40763	4.65	ug/l #	93
44) Trichloroethene	6.99	130	51790	6.11	ug/l	98
45) 1,2-Dichloropropane	7.36	63	39611	5.29	ug/l	99
46) Dibromomethane	7.47	93	25804	5.00	ug/l	93
47) Bromodichloromethane	7.76	83	55875	4.68	ug/l #	93
48) Methyl methacrylate	7.52	41	23817	4.47	ug/l #	91
49) 1,4-Dioxane	7.51	88	5012	103.92	ug/l #	80
51) 4-Methyl-2-Pentanone	8.60	43	143481	24.97	ug/l	95
52) Toluene	8.81	92	89094	5.56	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	47538	4.66	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	56034	4.72	ug/l	93
55) 1,1,2-Trichloroethane	9.46	97	30251	5.33	ug/l #	86
56) Ethyl methacrylate	9.32	69	31795	4.75	ug/l	92
57) 1,3-Dichloropropane	9.67	76	47975	5.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	90812	27.35	ug/l	94
59) 2-Hexanone	9.79	43	100881	24.15	ug/l	97
60) Dibromochloromethane	9.97	129	37711	4.88	ug/l	99
61) 1,2-Dibromoethane	10.10	107	32611	5.28	ug/l	85
64) Tetrachloroethene	9.52	164	53375	6.00	ug/l	96
65) Chlorobenzene	10.73	112	105321	5.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	34959	4.57	ug/l	94
67) Ethyl Benzene	10.87	91	179753	5.17	ug/l	97
68) m/p-Xylenes	11.01	106	114629	9.93	ug/l	93
69) o-Xylene	11.41	106	55417	4.97	ug/l	84
70) Styrene	11.44	104	97247	5.12	ug/l	98
71) Bromoform	11.60	173	24740	4.10	ug/l	96
73) Isopropylbenzene	11.78	105	161215	5.13	ug/l	90
74) N-amyl acetate	11.65	43	54468	4.59	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	34471	4.78	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	38481	5.08	ug/l	100
77) Bromobenzene	12.05	156	48534	5.13	ug/l	86
78) n-propylbenzene	12.16	91	214142	5.31	ug/l	96
79) 2-Chlorotoluene	12.22	91	118966	5.14	ug/l	91
80) 1,3,5-Trimethylbenzene	12.32	105	133364	5.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	7018	3.88	ug/l	100
82) 4-Chlorotoluene	12.33	91	144998	5.58	ug/l	87
83) tert-Butylbenzene	12.58	119	120860	4.33	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	135799	5.11	ug/l	98
85) sec-Butylbenzene	12.76	105	169848	5.17	ug/l	100
86) p-Isopropyltoluene	12.89	119	133640	5.01	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	83447	5.12	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	80375	5.05	ug/l	94
89) n-Butylbenzene	13.20	91	138303	5.00	ug/l	97
90) Hexachloroethane	13.41	117	28208	4.10	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	74478	5.41	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	4507	3.91	ug/l #	53

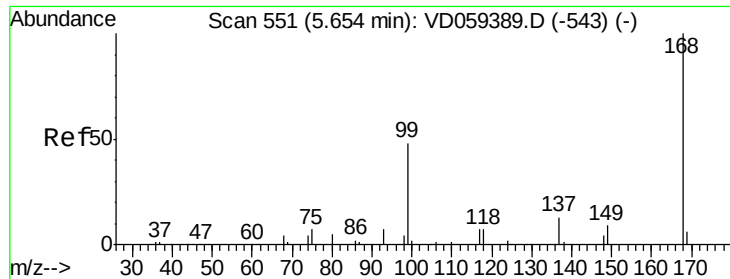
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059386.D
Acq On : 24 Jun 2018 23:54
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 25 06:53:49 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)
93) 1,2,4-Trichlorobenzene	14.34	180	62398	4.77	ug/l	91
94) Hexachlorobutadiene	14.44	225	47211	4.57	ug/l	99
95) Naphthalene	14.52	128	84481	4.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	55535	4.81	ug/l	91

(#) = 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. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

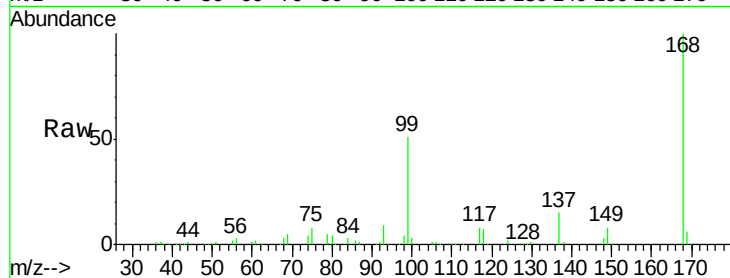
VSTDIC005

Tot Ion:168 Resp: 967565

Ion Ratio Lower Upper

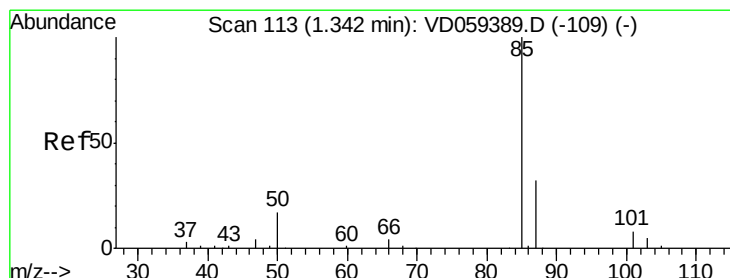
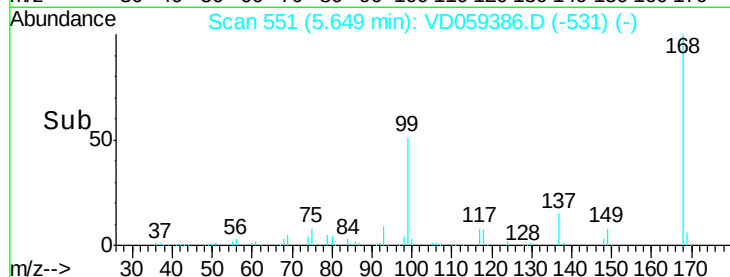
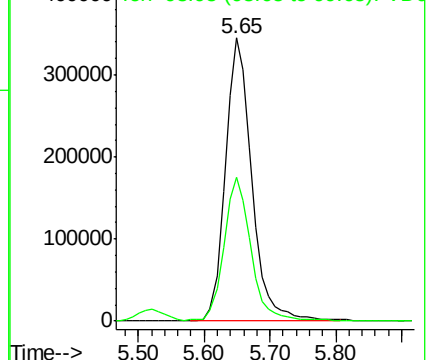
168 100

99 50.7 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: 4.29 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059386.D

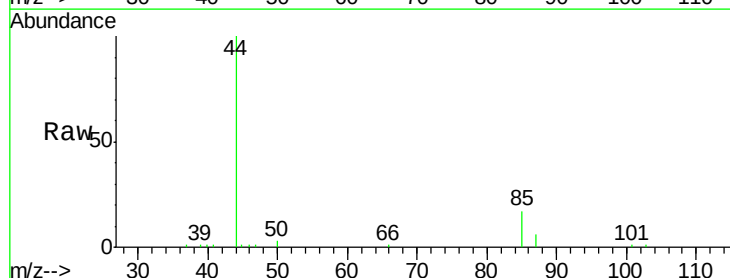
Acq: 24 Jun 2018 23:54

Tgt Ion: 85 Resp: 41428

Ion Ratio Lower Upper

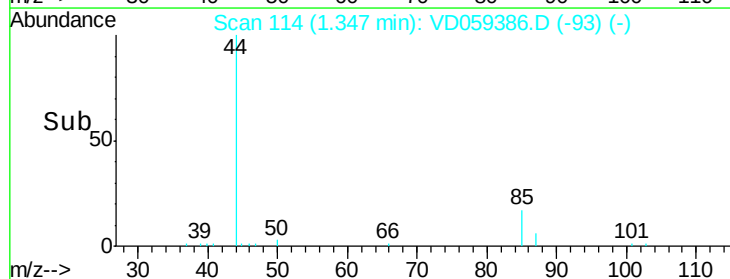
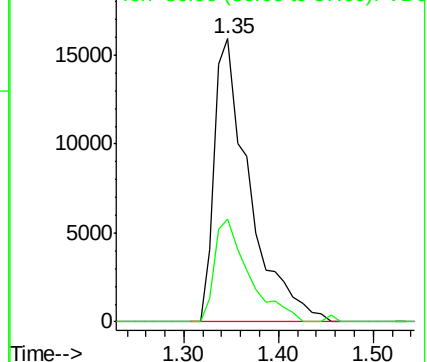
85 100

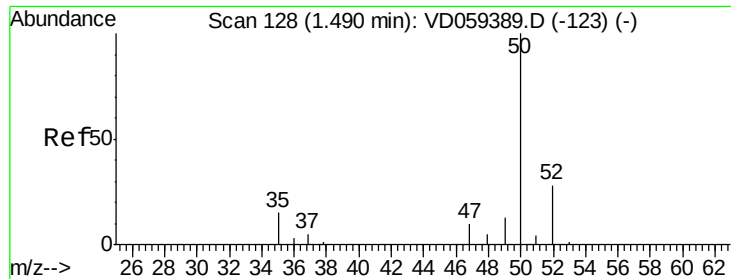
87 36.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.30 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

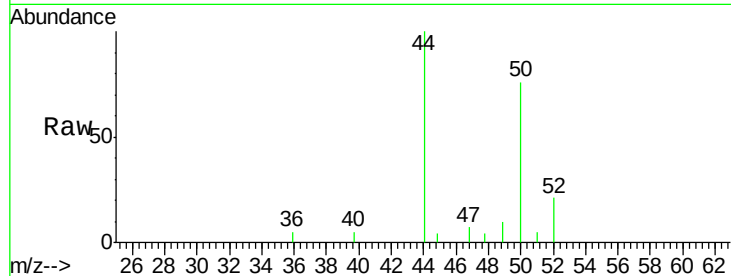
VSTDIC005

Tot Ion: 50 Resp: 25290

Ion Ratio Lower Upper

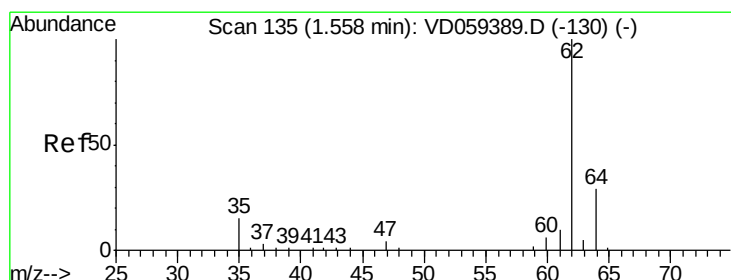
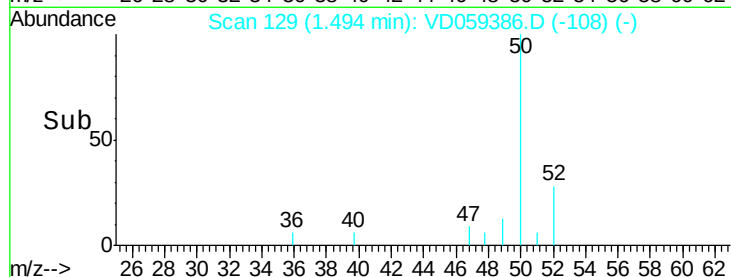
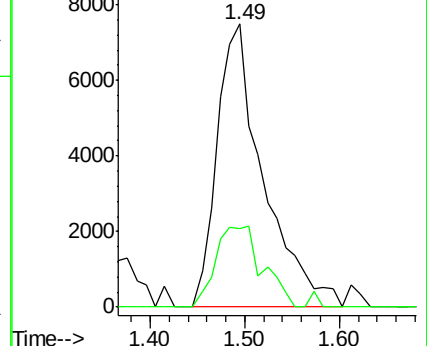
50 100

52 27.7 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: 4.73 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059386.D

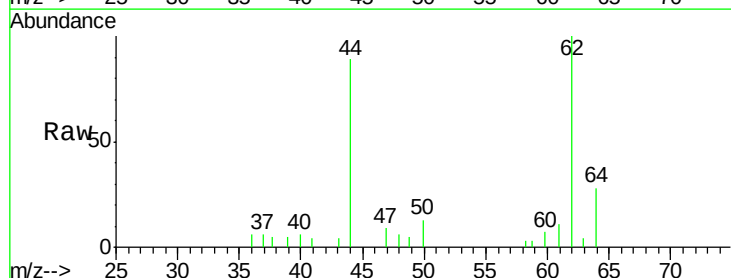
Acq: 24 Jun 2018 23:54

Tgt Ion: 62 Resp: 23634

Ion Ratio Lower Upper

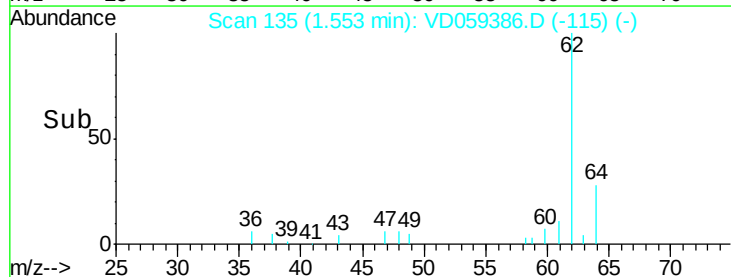
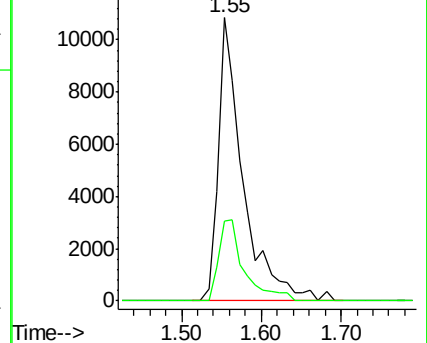
62 100

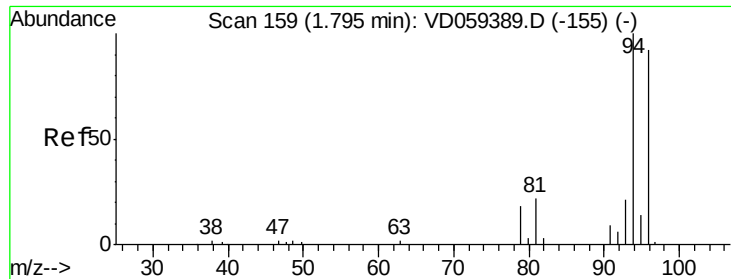
64 28.2 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

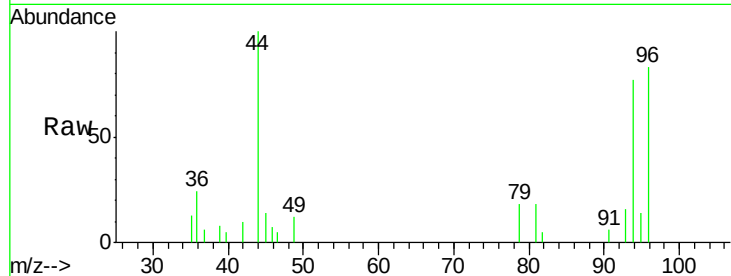




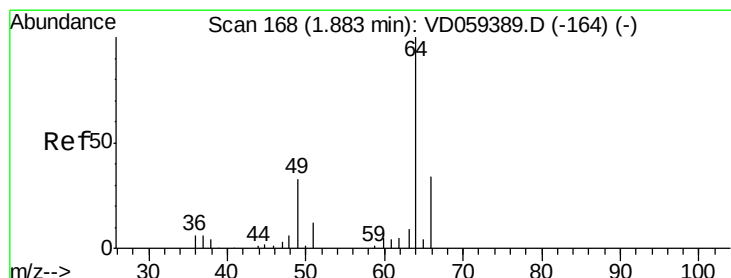
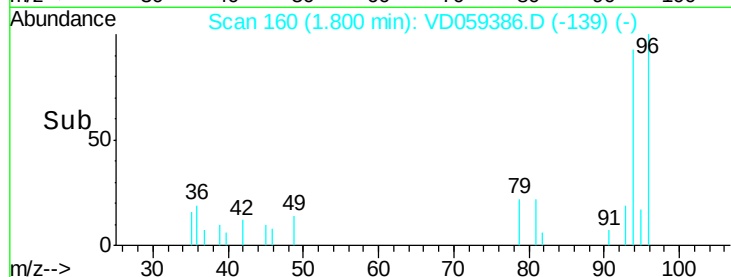
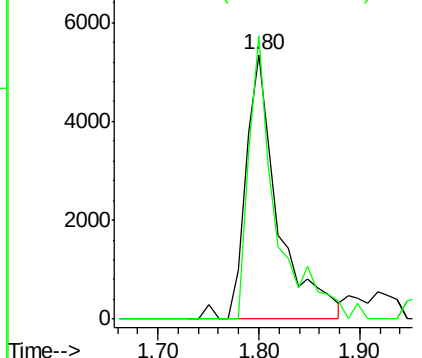
#5
Bromomethane
Concen: 6.43 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 94 Resp: 11881
Ion Ratio Lower Upper
94 100
96 107.0 73.4 110.0

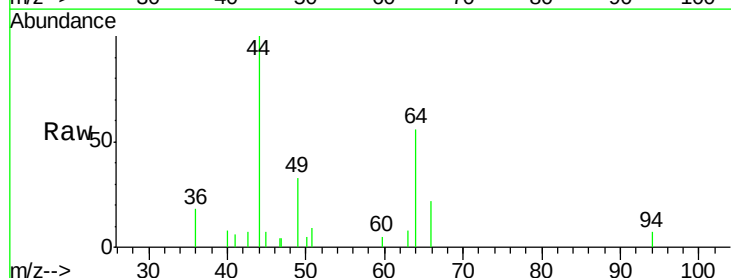


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

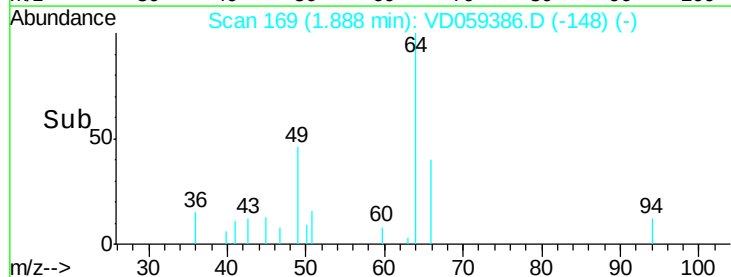
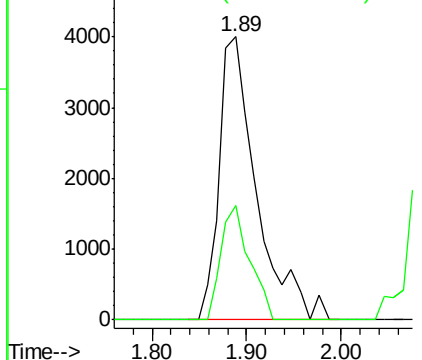


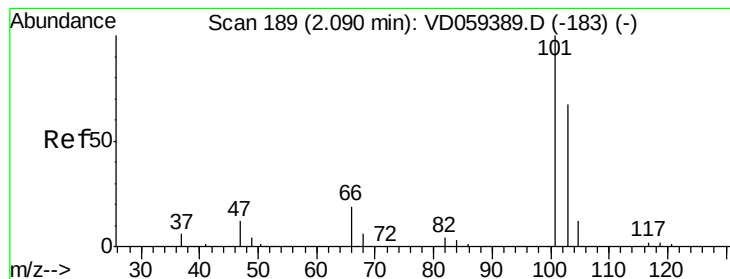
#6
Chloroethane
Concen: 5.84 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 64 Resp: 10948
Ion Ratio Lower Upper
64 100
66 40.2 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: 5.27 ug/l

RT: 2.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

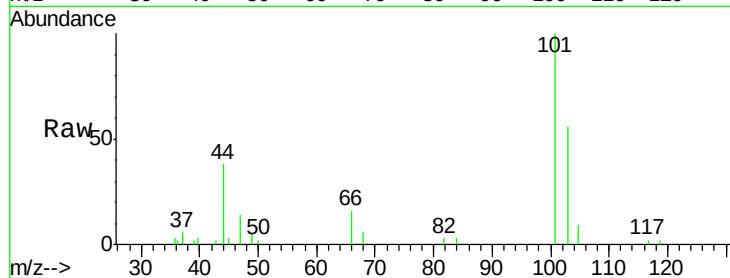
VSTDIC005

Tot Ion:101 Resp: 36821

Ion Ratio Lower Upper

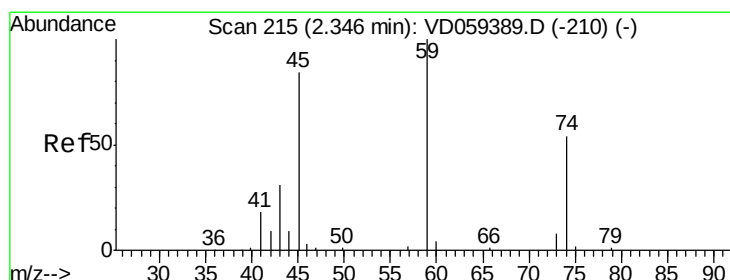
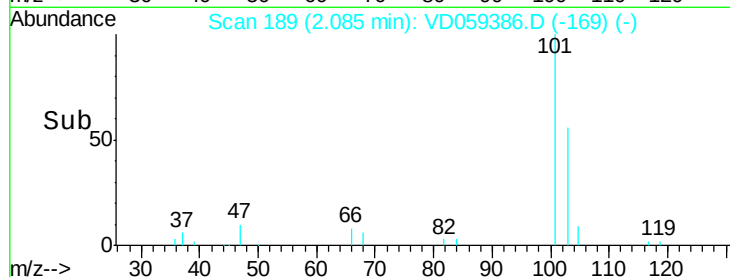
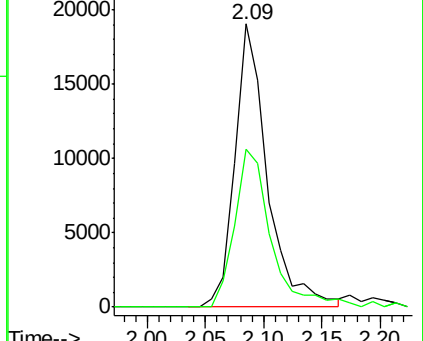
101 100

103 56.0 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: 4.64 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.00 min

Lab File: VD059386.D

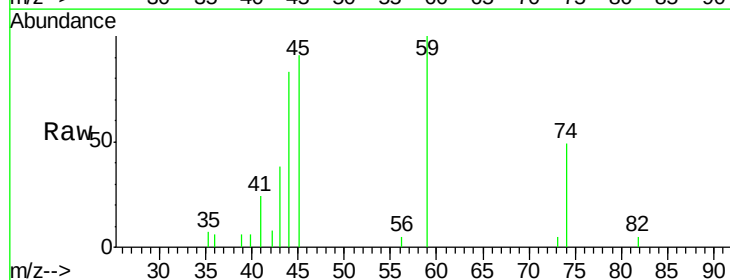
Acq: 24 Jun 2018 23:54

Tgt Ion: 74 Resp: 6805

Ion Ratio Lower Upper

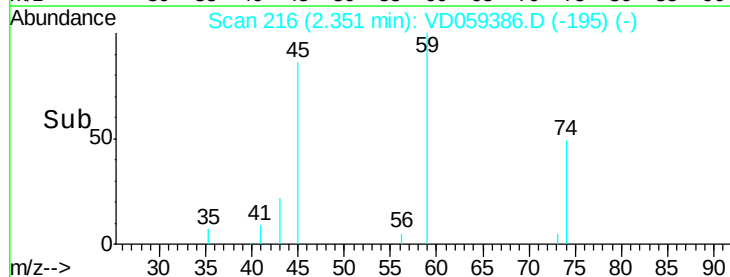
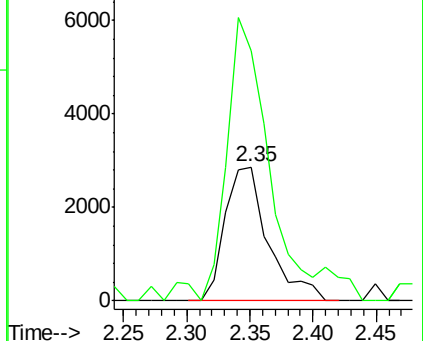
74 100

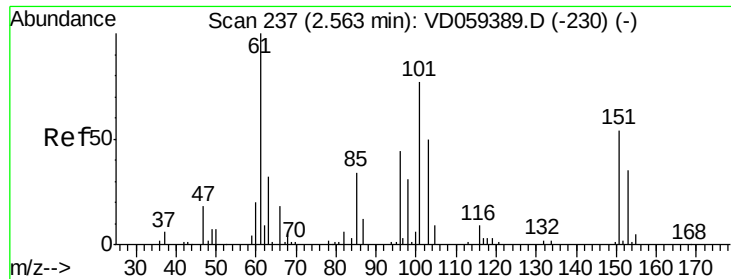
45 186.7 78.0 233.8



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: 4.92 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

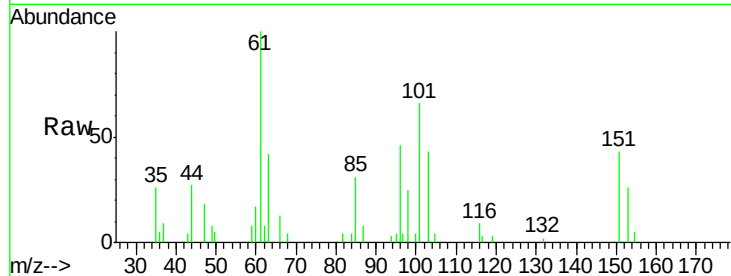
Tot Ion:101 Resp: 21610

Ion Ratio Lower Upper

101 100

85 46.8 35.7 53.5

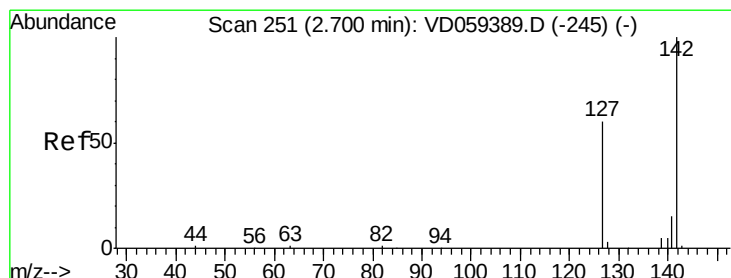
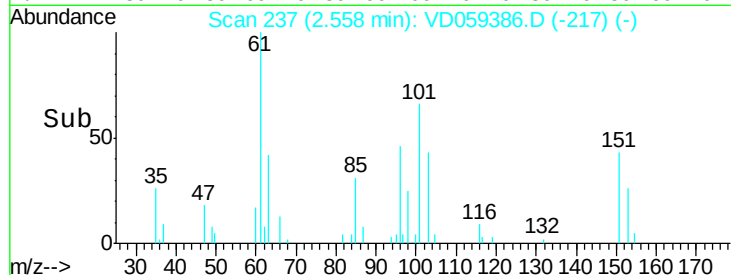
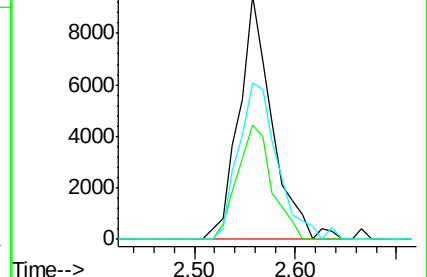
151 64.3 55.8 83.8



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: 3.82 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

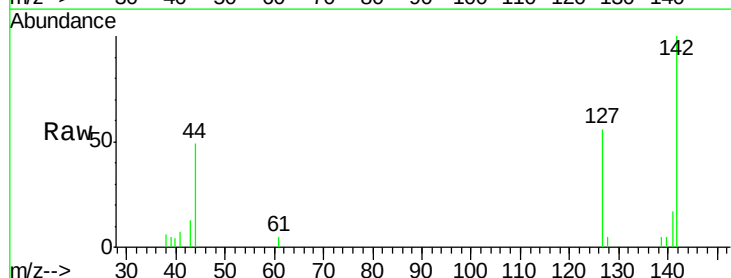
Tgt Ion:142 Resp: 19205

Ion Ratio Lower Upper

142 100

127 56.3 48.4 72.6

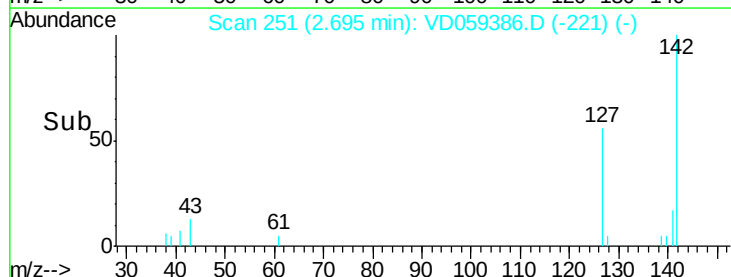
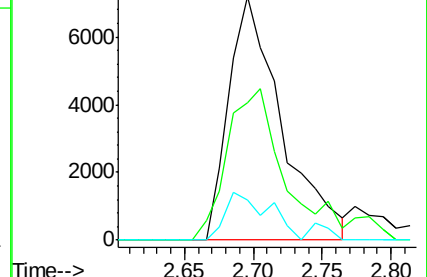
141 16.7 12.1 18.1

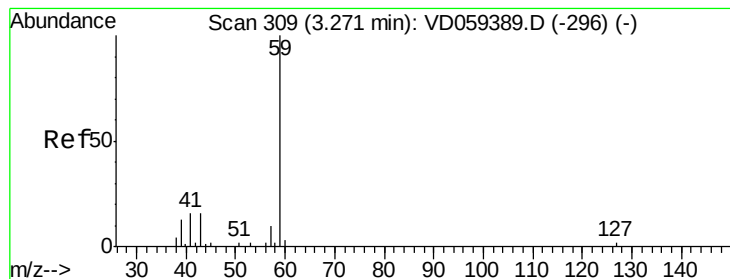


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



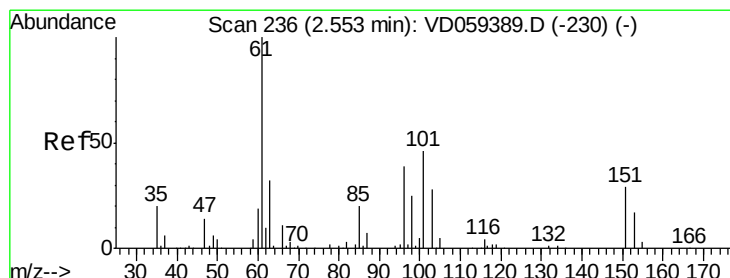
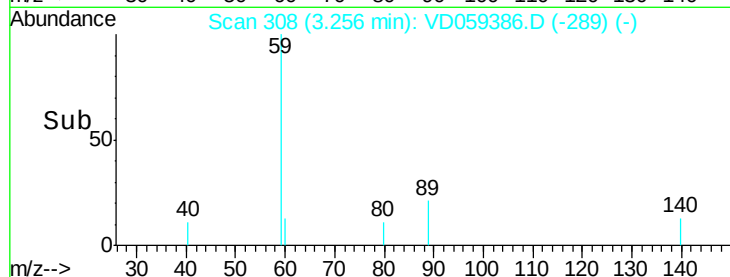
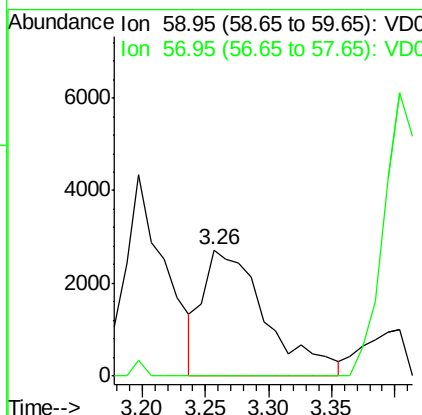
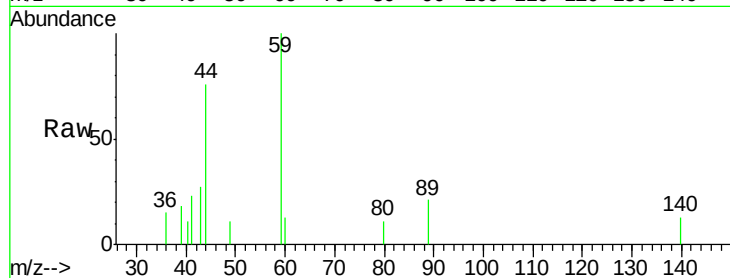


#11

Tert butyl alcohol
 Concen: 28.48 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

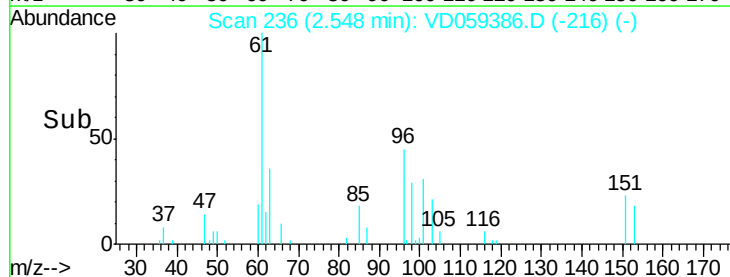
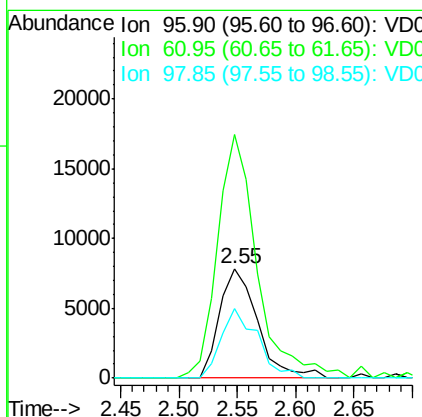
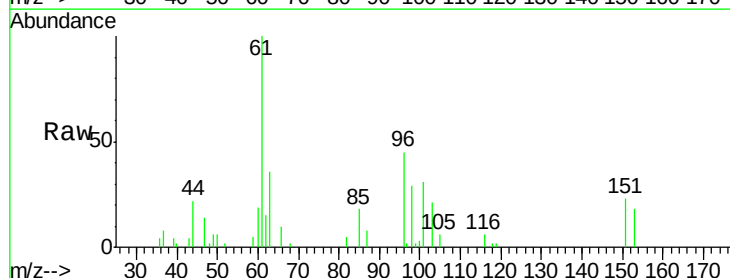
Tot Ion: 59 Resp: 9370
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

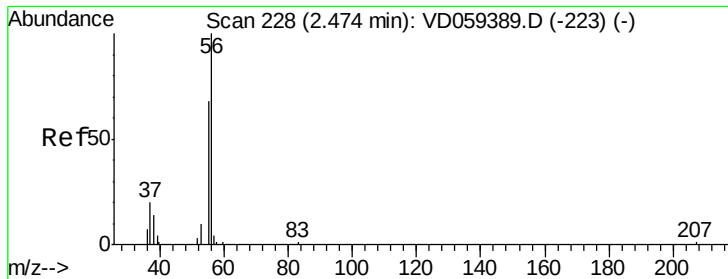


#12

1,1-Dichloroethene
 Concen: 5.43 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 96 Resp: 17820
 Ion Ratio Lower Upper
 96 100
 61 222.7 205.4 308.0
 98 64.1 51.0 76.4





#13

Acrolein

Concen: 17.11 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

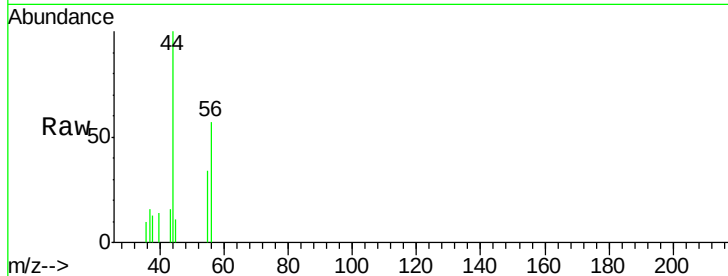
VSTDIC005

Tot Ion: 56 Resp: 3601

Ion Ratio Lower Upper

56 100

55 59.2 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

2000

1500

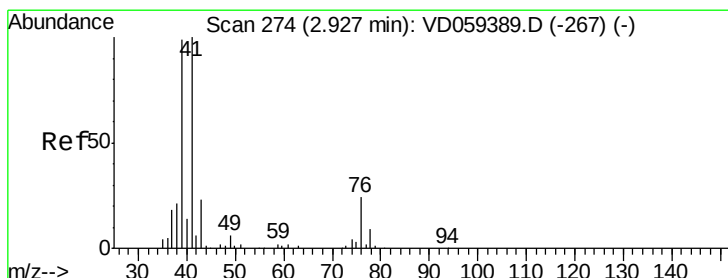
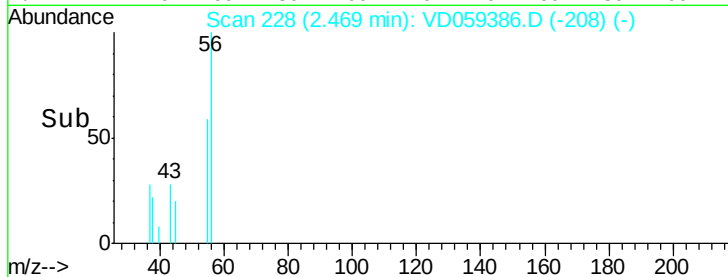
1000

500

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 5.06 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

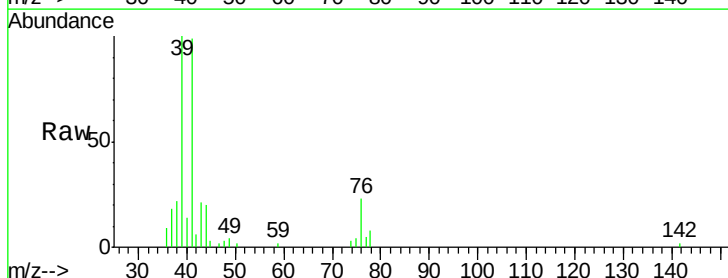
Tgt Ion: 41 Resp: 38407

Ion Ratio Lower Upper

41 100

39 101.4 79.1 118.7

76 23.0 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

30000

25000

20000

15000

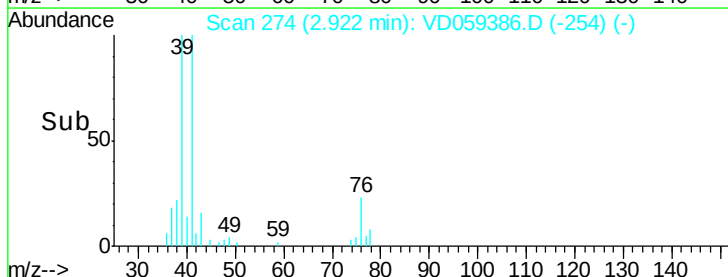
10000

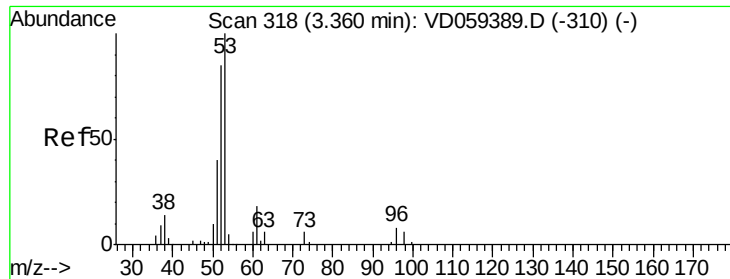
5000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 28.99 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

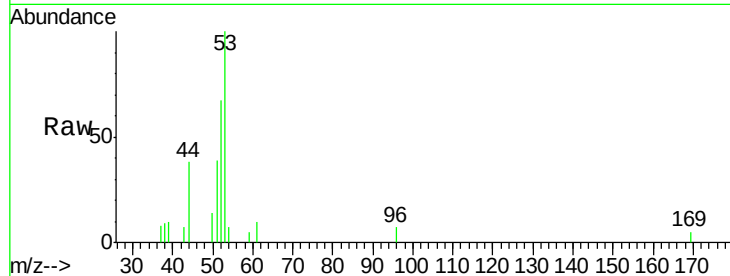
Tot Ion: 53 Resp: 25471

Ion Ratio Lower Upper

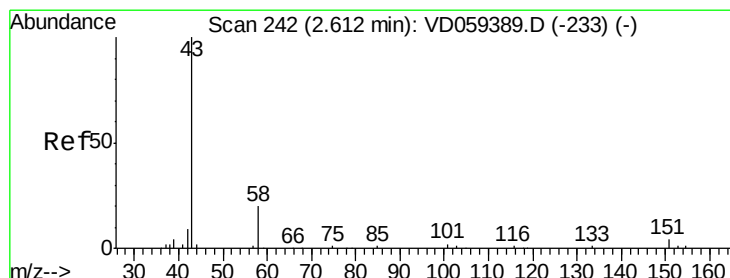
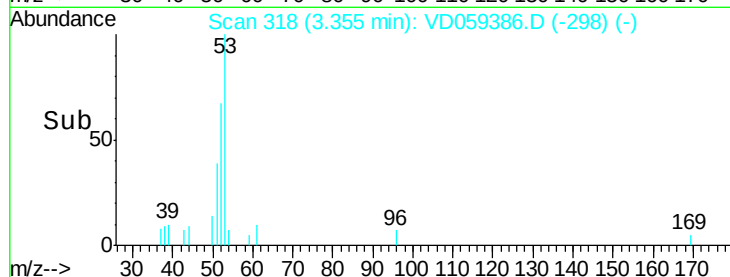
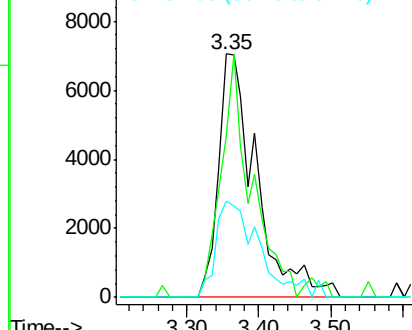
53 100

52 66.5 67.9 101.9#

51 39.4 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: 26.47 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059386.D

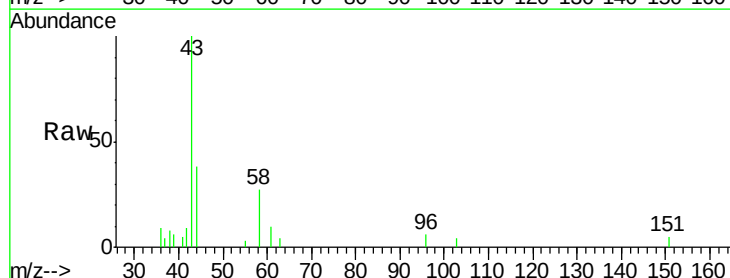
Acq: 24 Jun 2018 23:54

Tgt Ion: 43 Resp: 34338

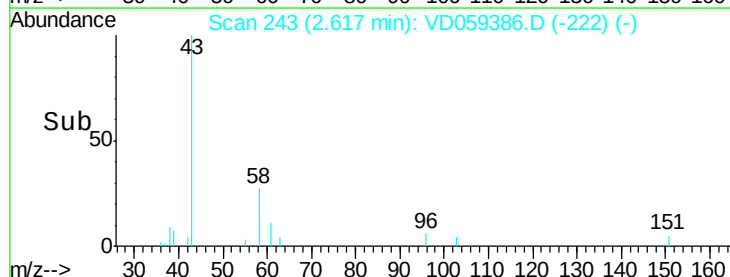
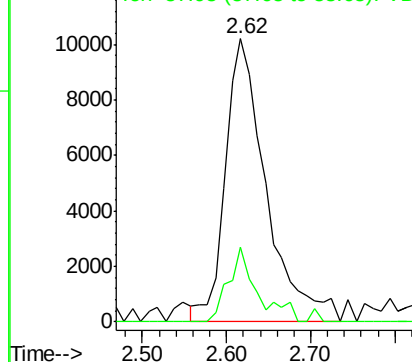
Ion Ratio Lower Upper

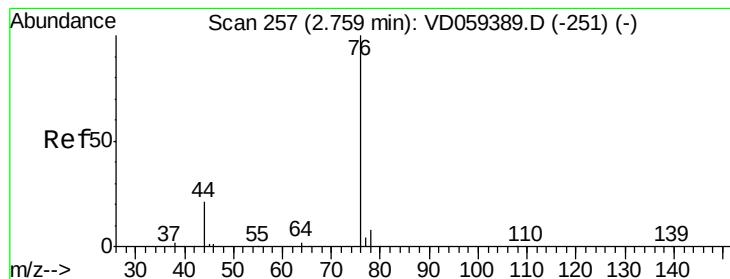
43 100

58 26.6 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: 4.69 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

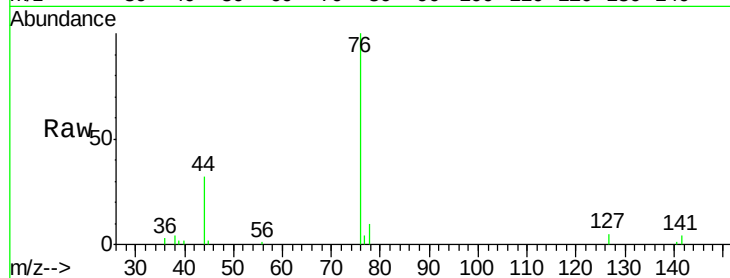
VSTDIC005

Tot Ion: 76 Resp: 51840

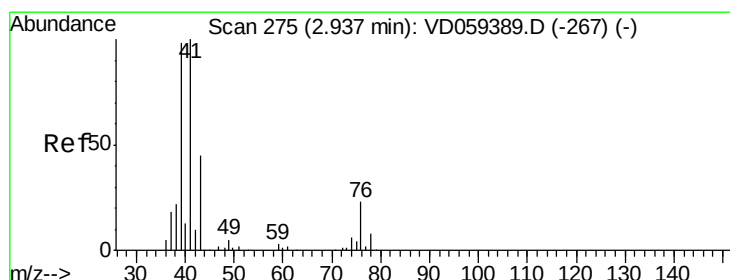
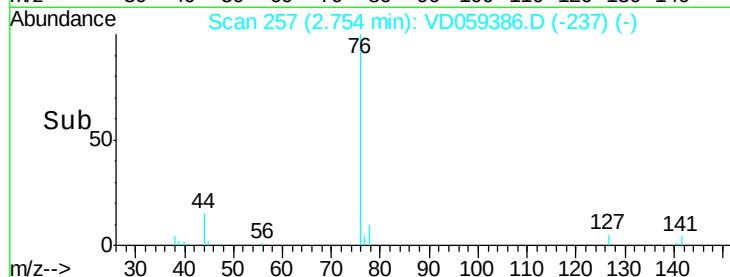
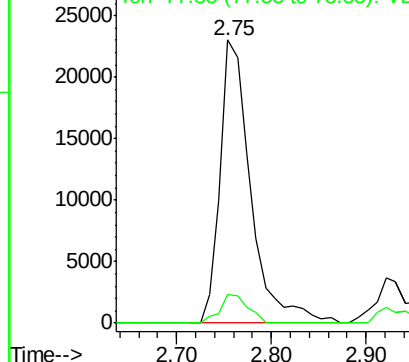
Ion Ratio Lower Upper

76 100

78 10.3 6.6 9.8#



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



#18

Methyl Acetate

Concen: 7.46 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD059386.D

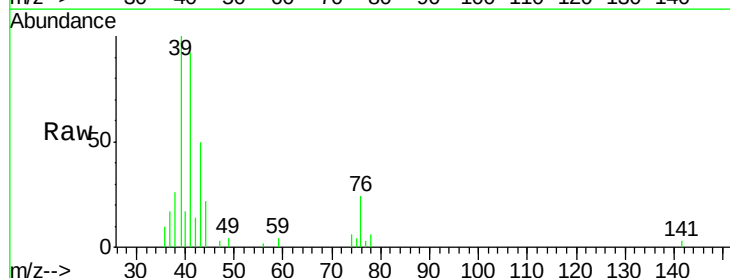
Acq: 24 Jun 2018 23:54

Tgt Ion: 43 Resp: 21269

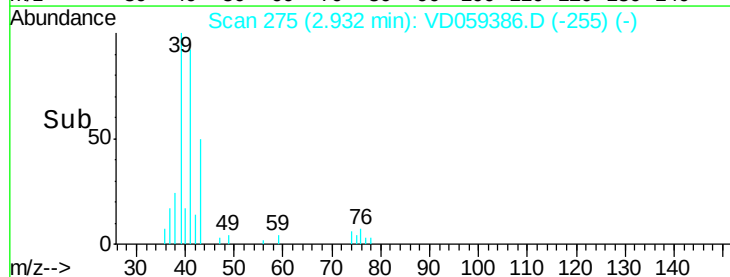
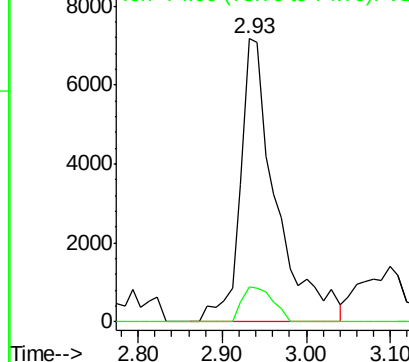
Ion Ratio Lower Upper

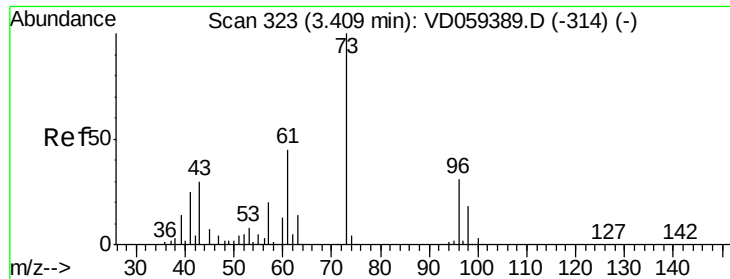
43 100

74 12.4 11.0 16.4



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

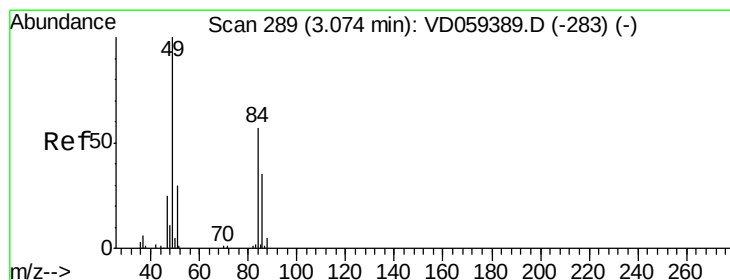
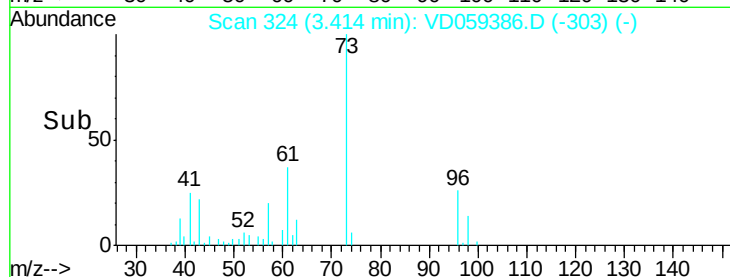
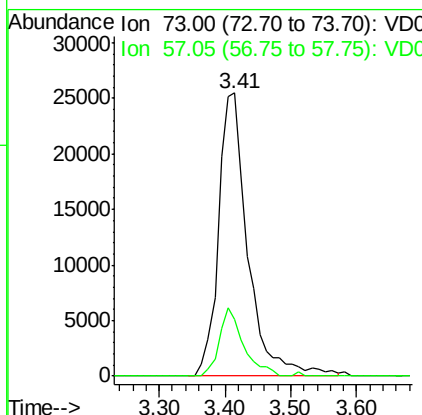
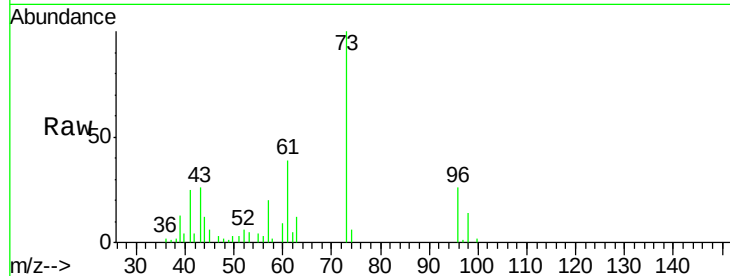




#19
Methyl tert-butyl Ether
Concen: 8.03 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

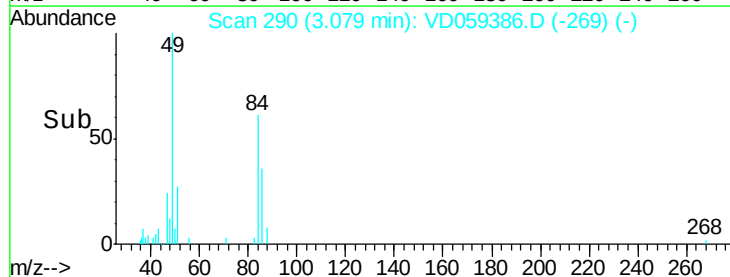
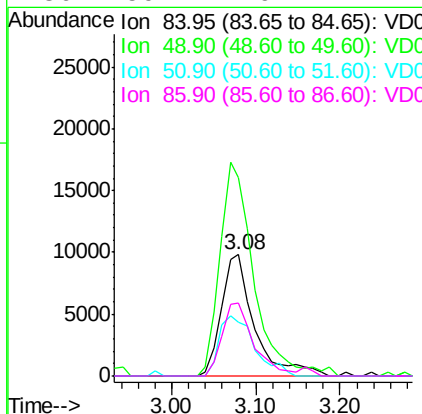
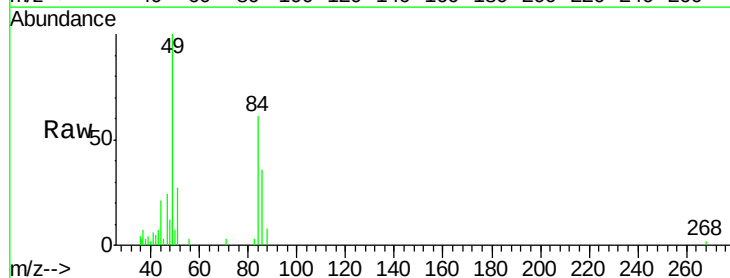
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

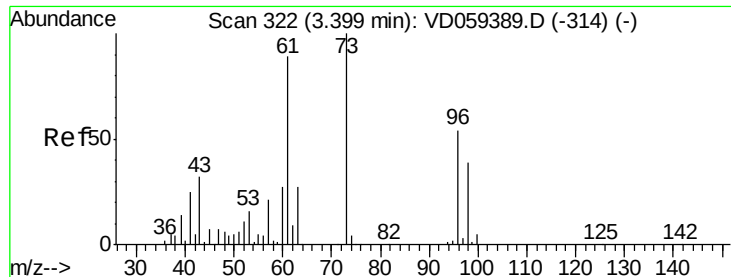
Tot Ion: 73 Resp: 79070
Ion Ratio Lower Upper
73 100
57 20.3 16.1 24.1



#20
Methylene Chloride
Concen: 6.43 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 84 Resp: 26461
Ion Ratio Lower Upper
84 100
49 163.8 140.3 210.5
51 44.3 41.6 62.4
86 59.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 8.00 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

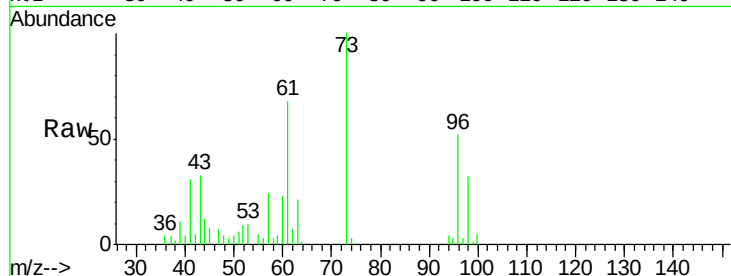
Tot Ion: 96 Resp: 31864

Ion Ratio Lower Upper

96 100

61 131.9 131.0 196.4

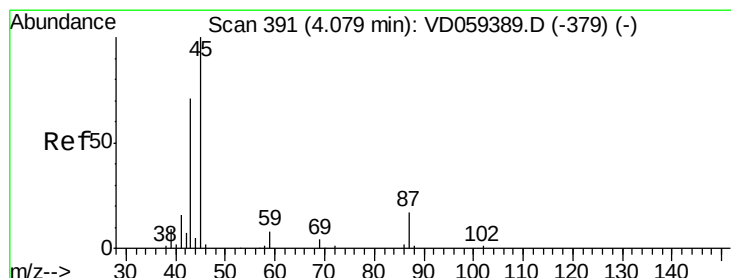
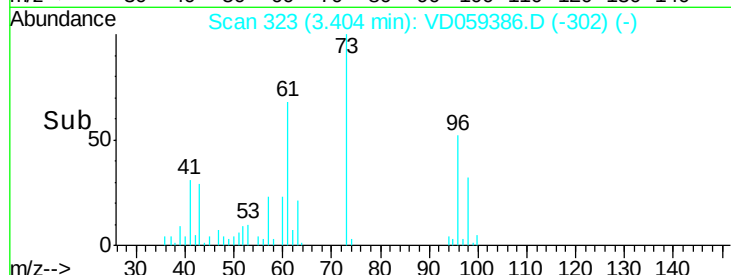
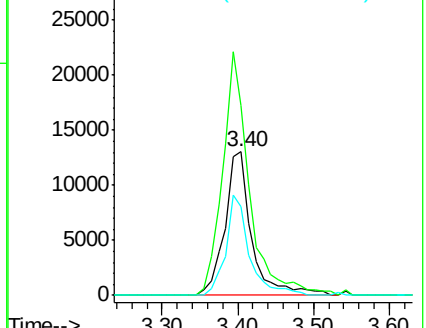
98 61.6 56.8 85.2



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: 4.60 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Tgt Ion: 45 Resp: 138270

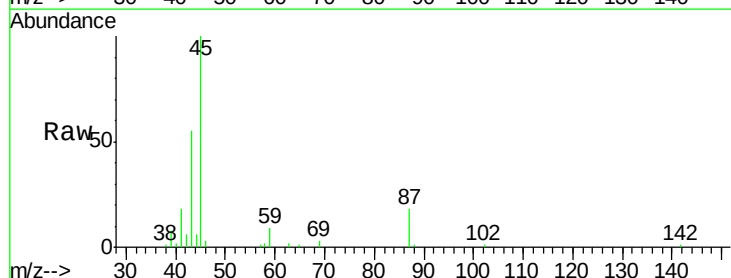
Ion Ratio Lower Upper

45 100

43 55.0 56.9 85.3#

87 18.1 14.2 21.4

59 9.0 7.0 10.4

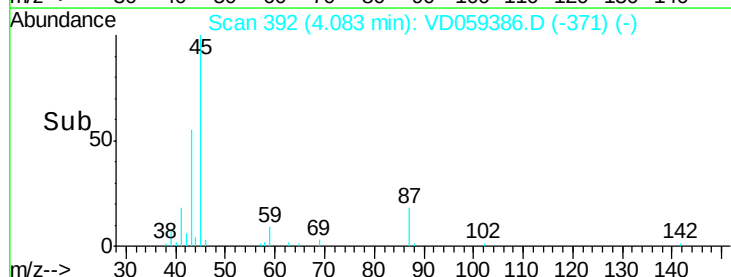
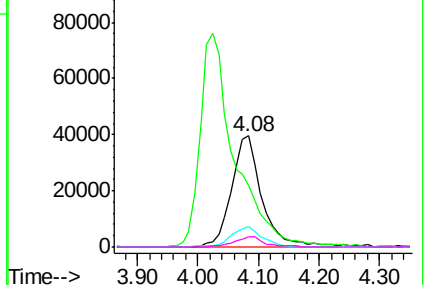


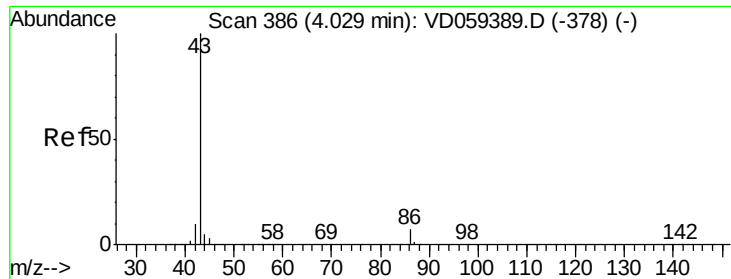
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 18.73 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

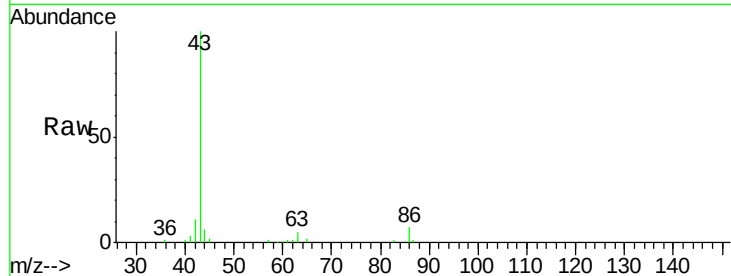
VSTDIC005

Tot Ion: 43 Resp: 298642

Ion Ratio Lower Upper

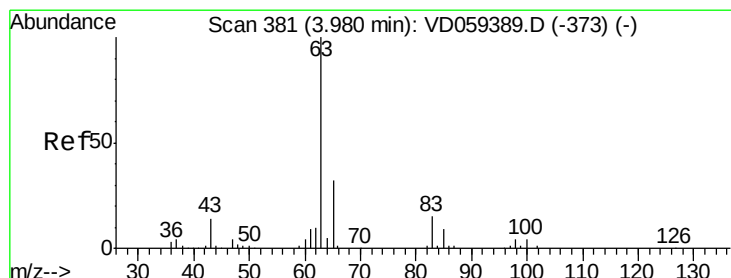
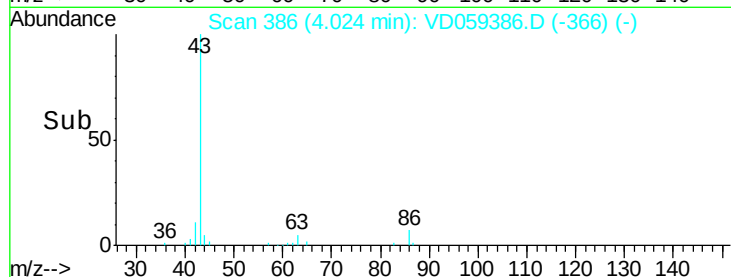
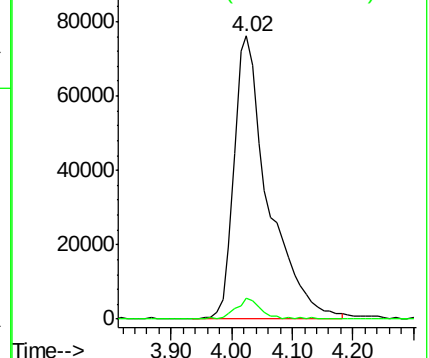
43 100

86 7.2 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.02 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

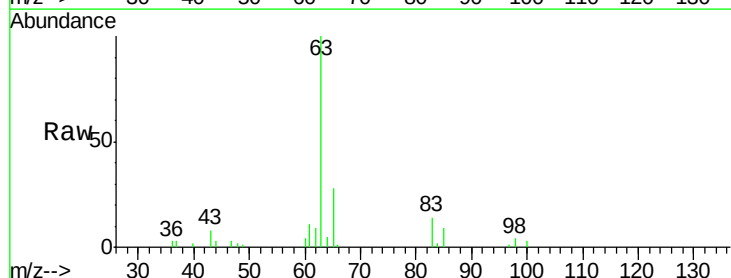
Tgt Ion: 63 Resp: 81845

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

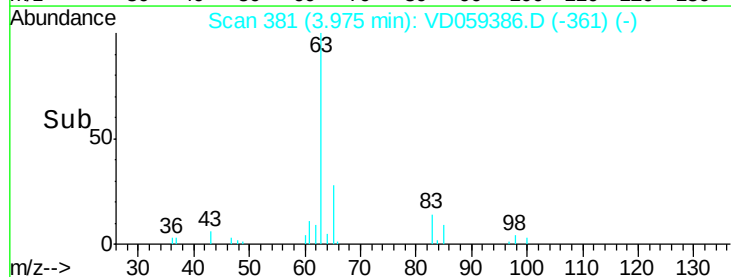
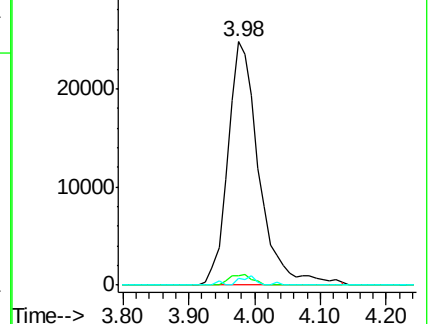
100 2.9 1.8 5.5

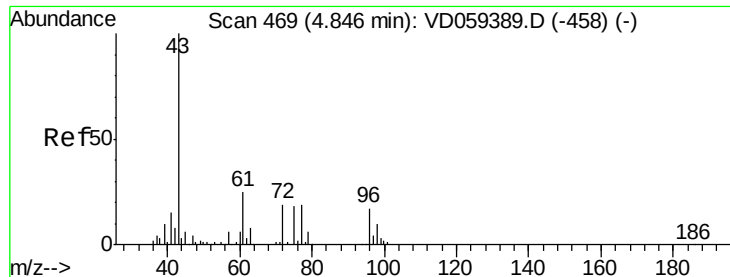


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.87 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

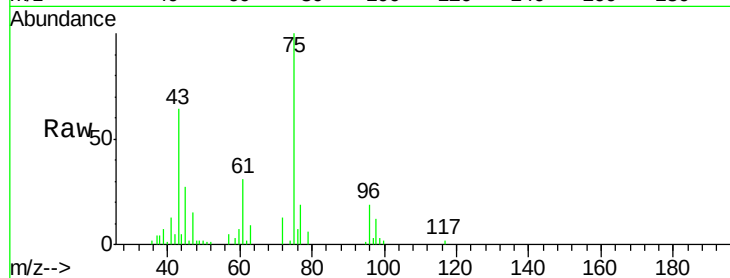
VSTDIC005

Tot Ion: 43 Resp: 70087

Ion Ratio Lower Upper

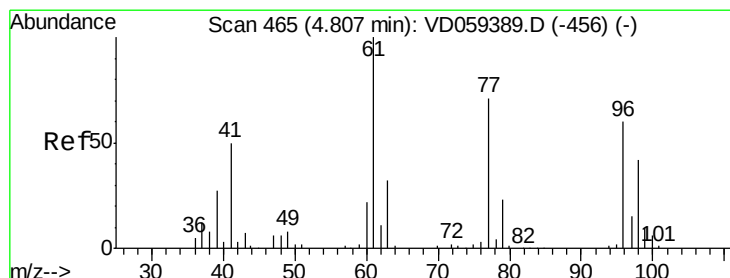
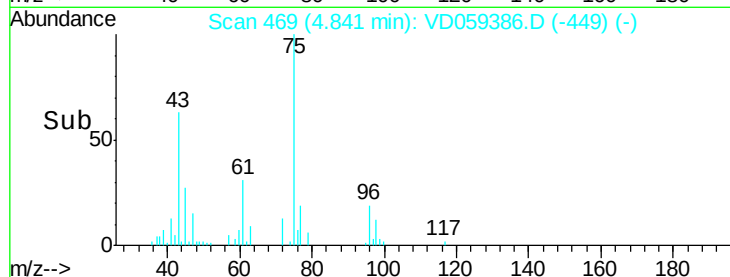
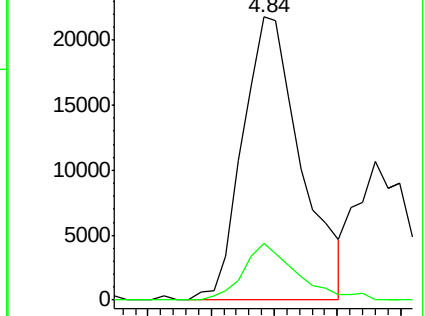
43 100

72 19.9 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.79 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059386.D

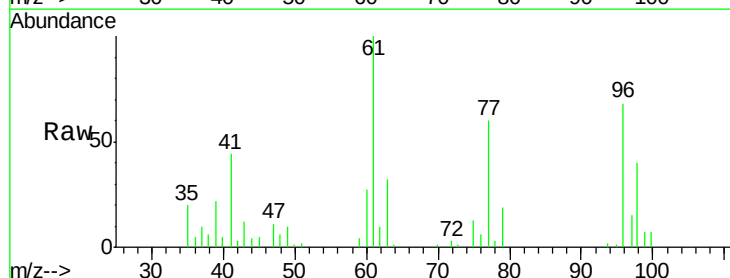
Acq: 24 Jun 2018 23:54

Tgt Ion: 77 Resp: 64875

Ion Ratio Lower Upper

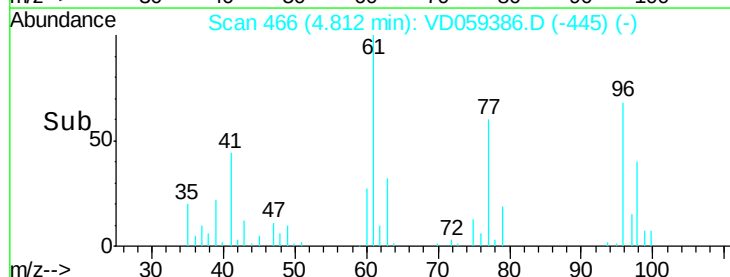
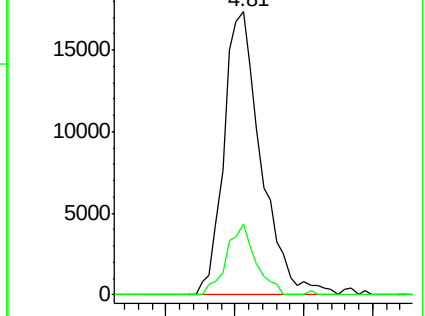
77 100

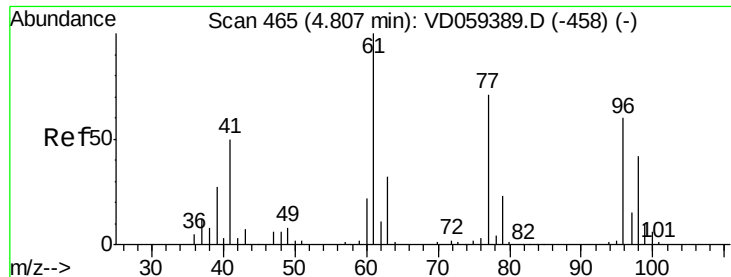
97 25.0 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 6.25 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

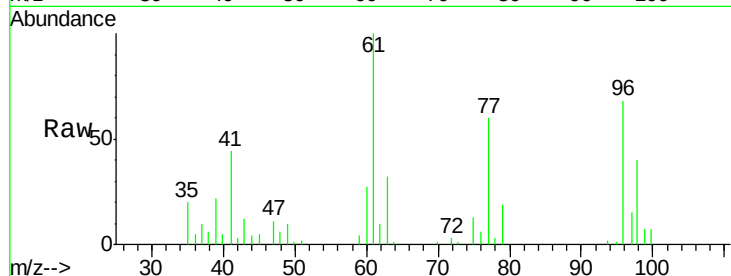
Tot Ion: 96 Resp: 56367

Ion Ratio Lower Upper

96 100

61 146.5 0.0 335.8

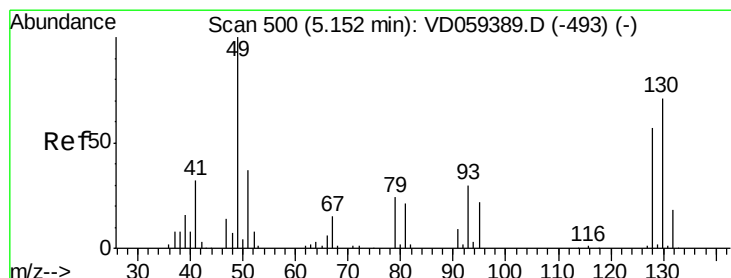
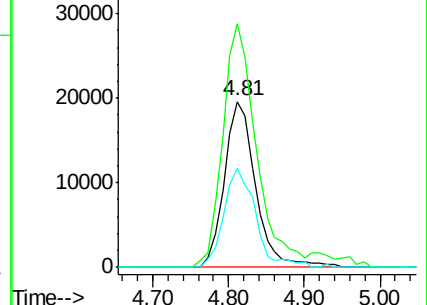
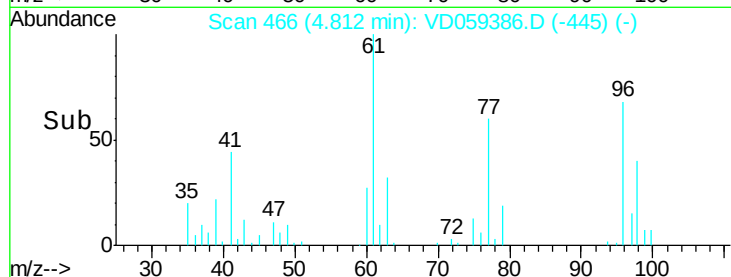
98 59.3 0.0 141.0



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: 3.86 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

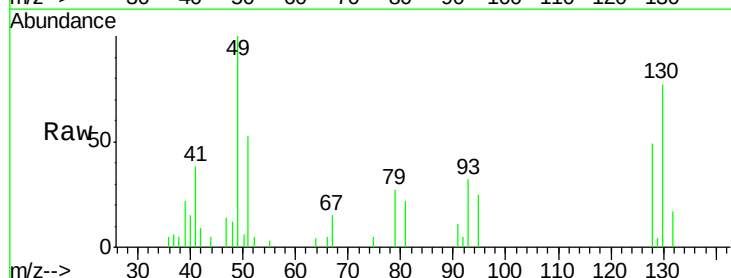
Tgt Ion: 49 Resp: 28115

Ion Ratio Lower Upper

49 100

129 4.1 0.0 4.4

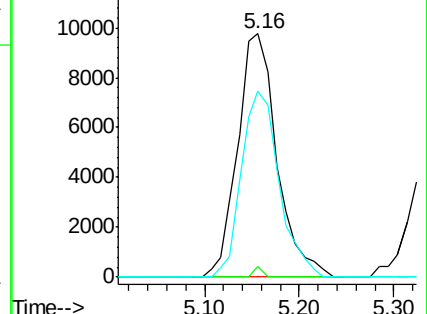
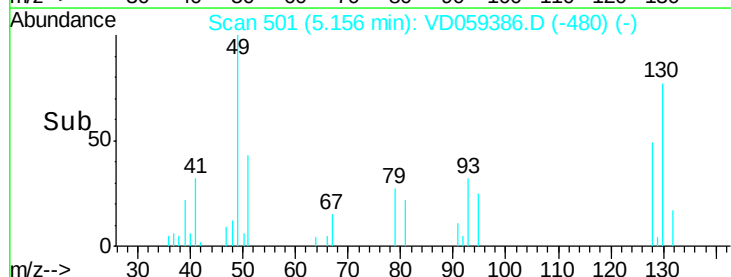
130 76.6 57.0 85.6

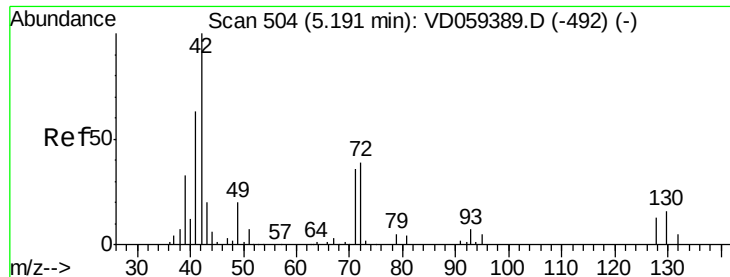


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

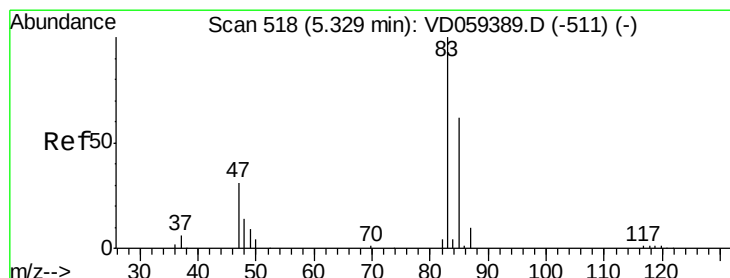
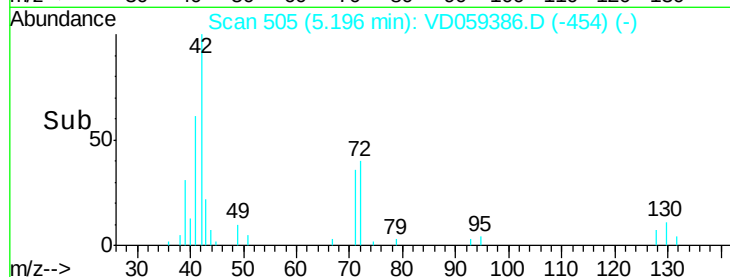
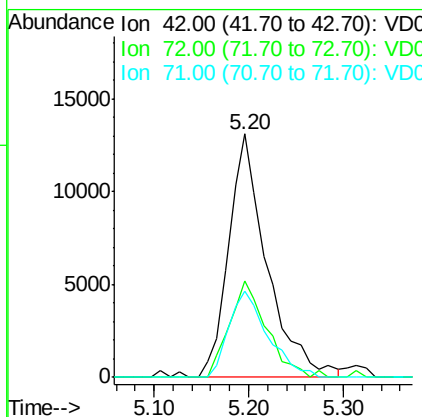
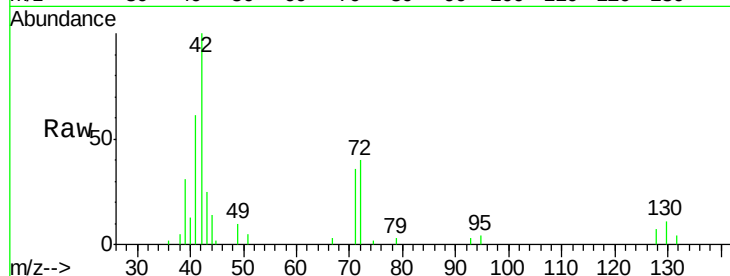




#29
Tetrahydrofuran
Concen: 24.49 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

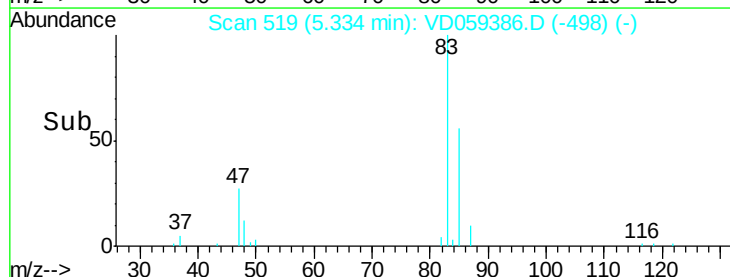
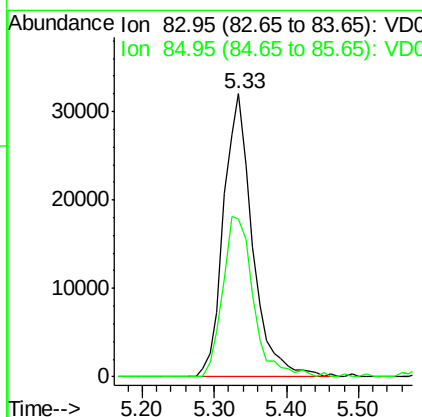
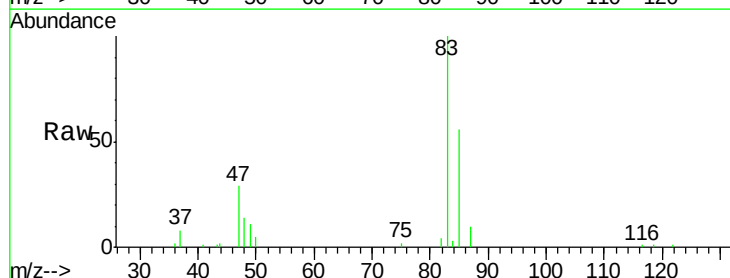
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

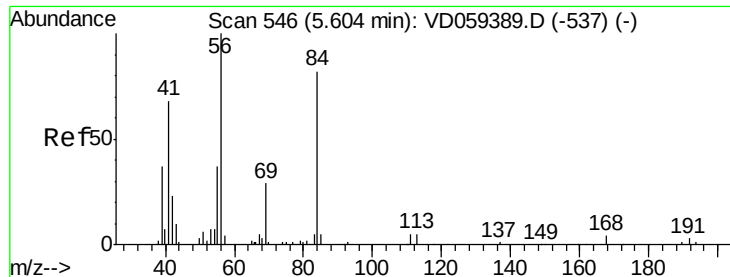
Tot Ion: 42 Resp: 36743
Ion Ratio Lower Upper
42 100
72 38.7 31.4 47.2
71 36.1 29.7 44.5



#30
Chloroform
Concen: 5.14 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 83 Resp: 88988
Ion Ratio Lower Upper
83 100
85 55.8 49.3 73.9

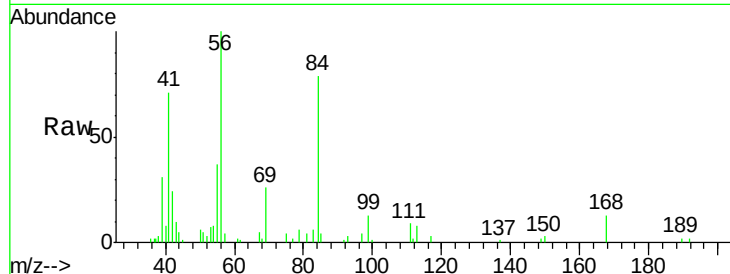




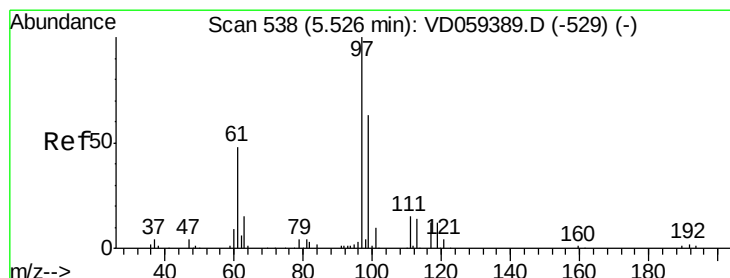
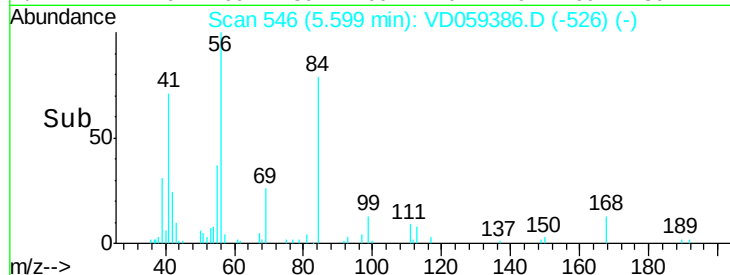
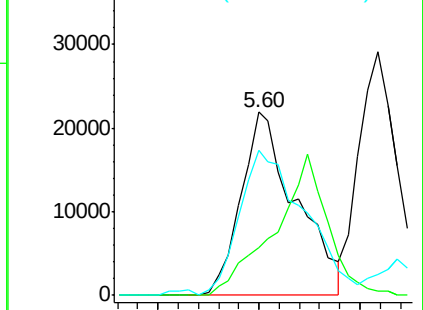
#31
Cyclohexane
Concen: 6.04 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 83195
Ion Ratio Lower Upper
56 100
69 25.9 22.9 34.3
84 79.2 67.3 100.9

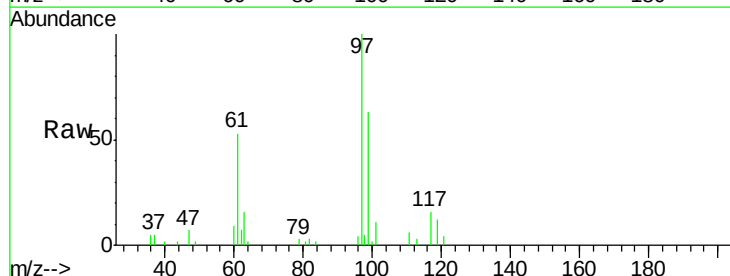


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

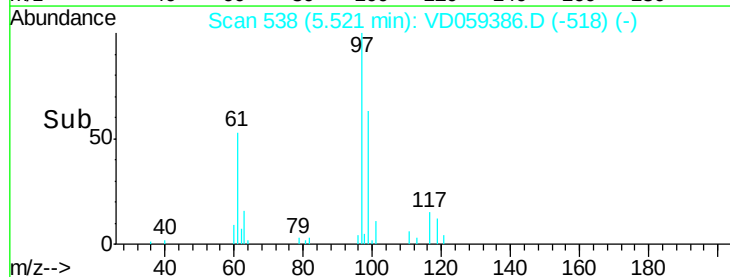
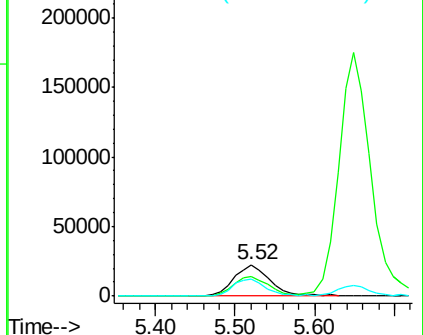


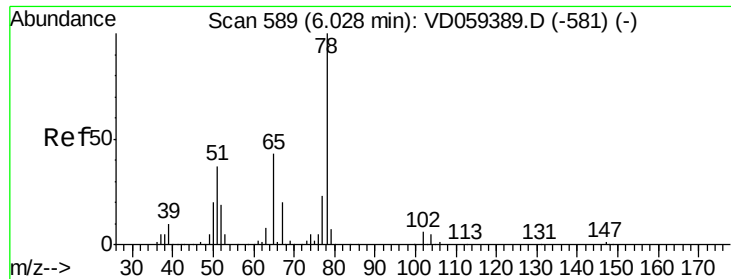
#32
1,1,1-Trichloroethane
Concen: 4.90 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 97 Resp: 70100
Ion Ratio Lower Upper
97 100
99 62.8 50.2 75.4
61 52.9 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

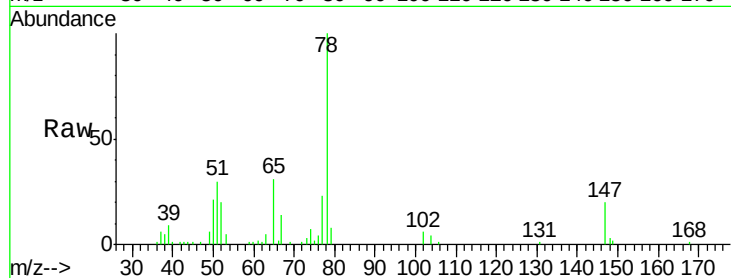




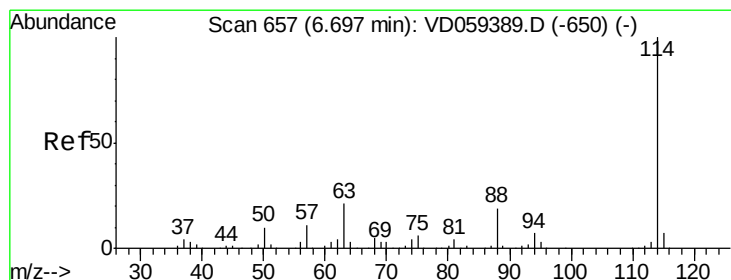
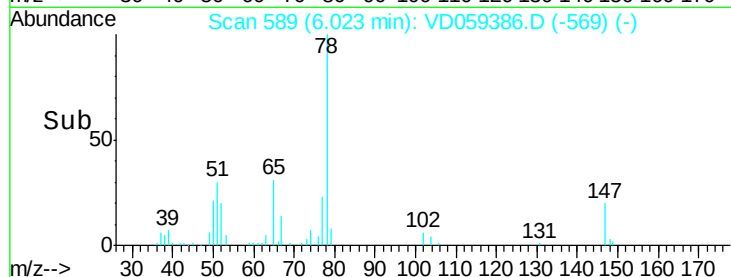
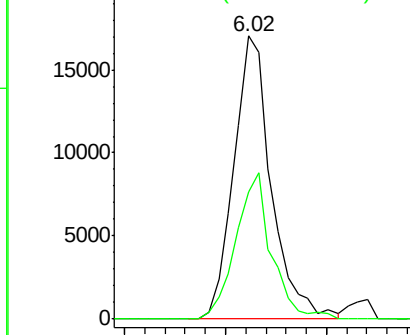
#33
 1,2-Dichloroethane-d4
 Concen: 4.90 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 44132
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 93.8

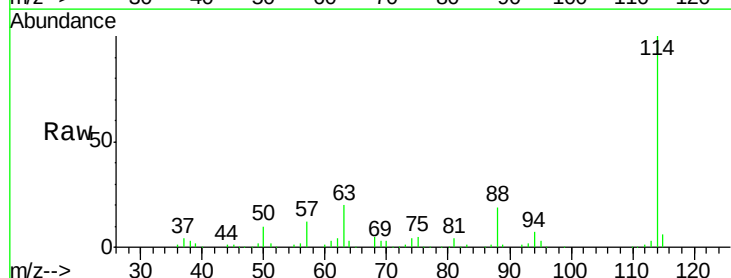


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

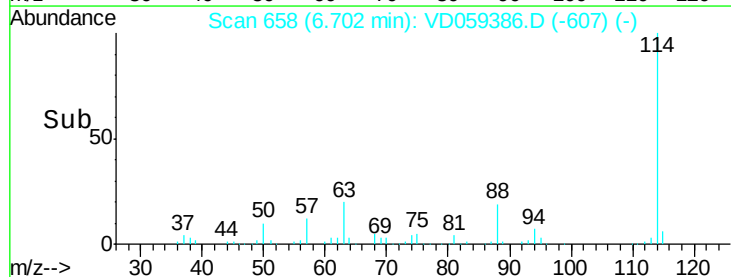
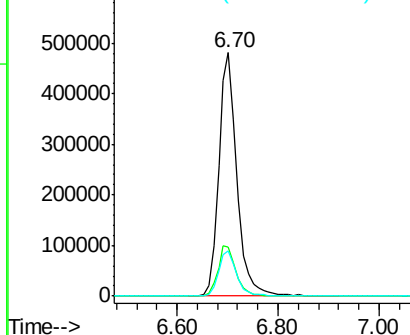


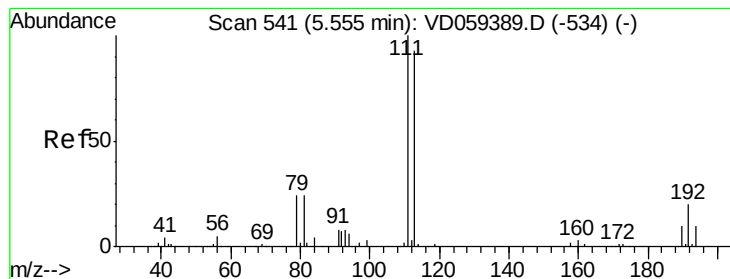
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 114 Resp: 1205656
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 18.8 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

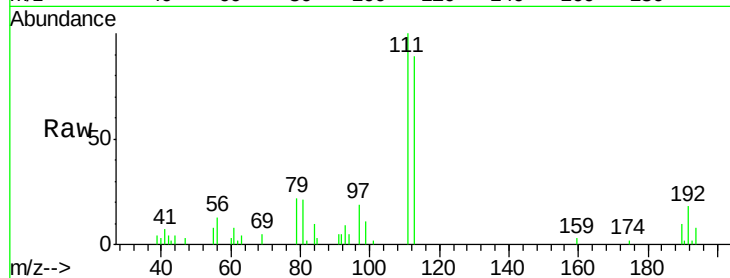
Tot Ion:113 Resp: 48086

Ion Ratio Lower Upper

113 100

111 112.2 85.7 128.5

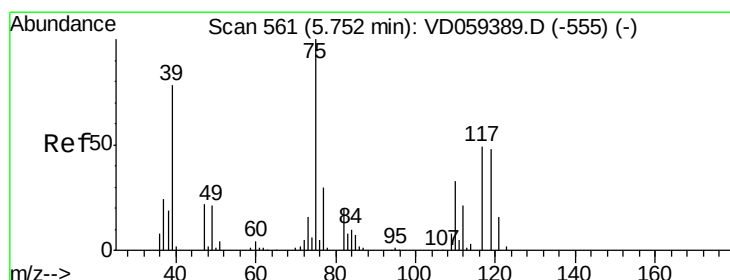
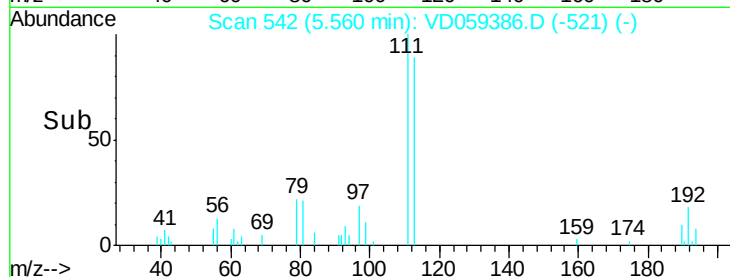
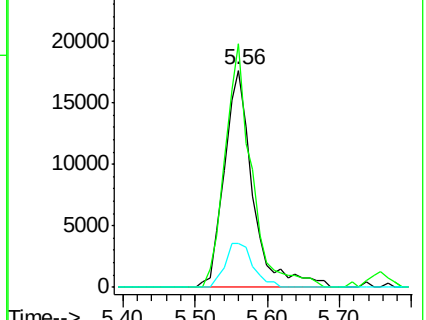
192 20.2 16.9 25.3



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: 5.70 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

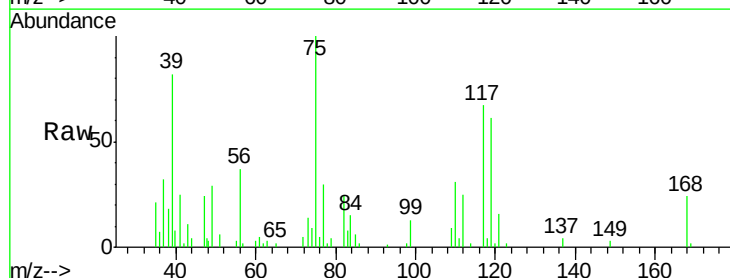
Tgt Ion: 75 Resp: 66882

Ion Ratio Lower Upper

75 100

110 31.1 16.1 48.2

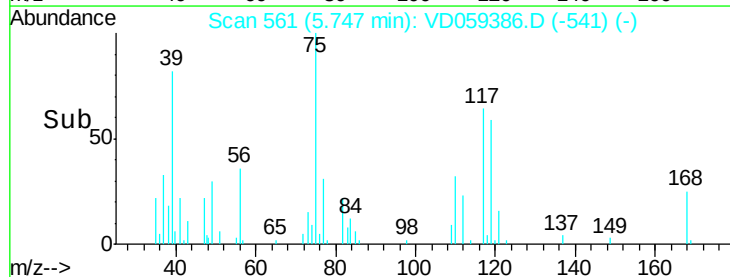
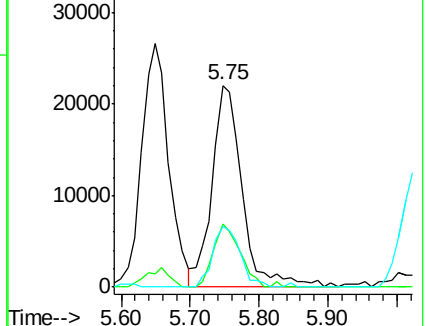
77 30.0 23.4 35.2

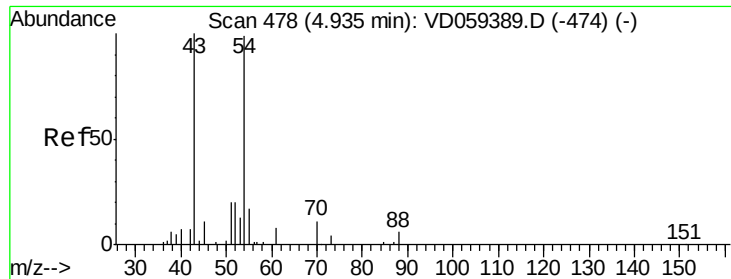


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

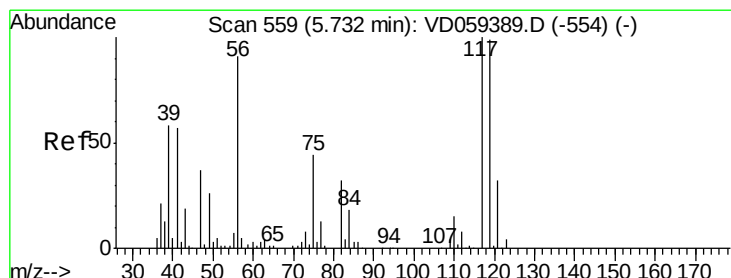
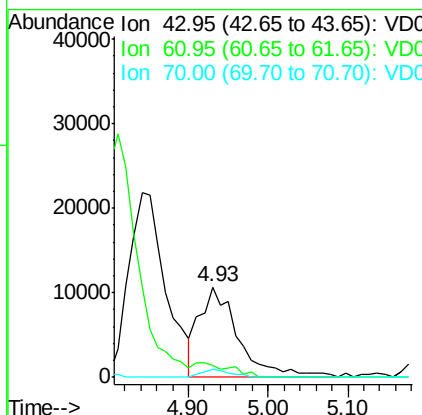
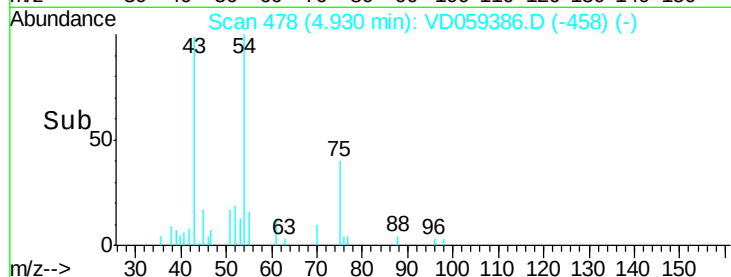
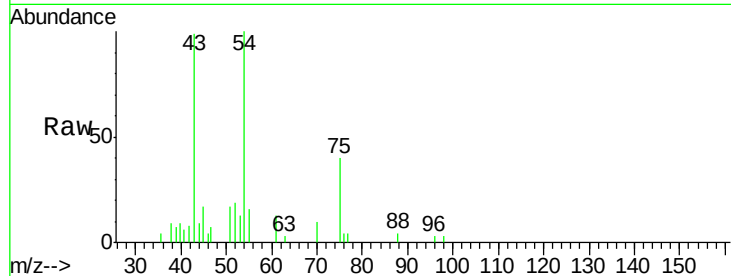




#37
Ethyl Acetate
Concen: 5.46 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

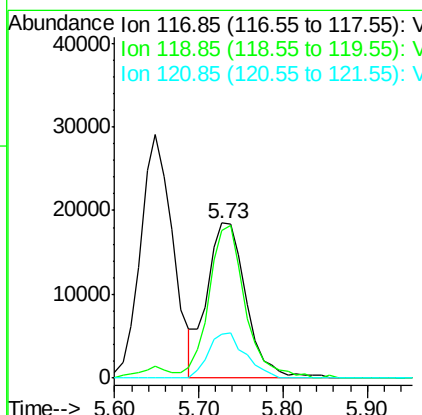
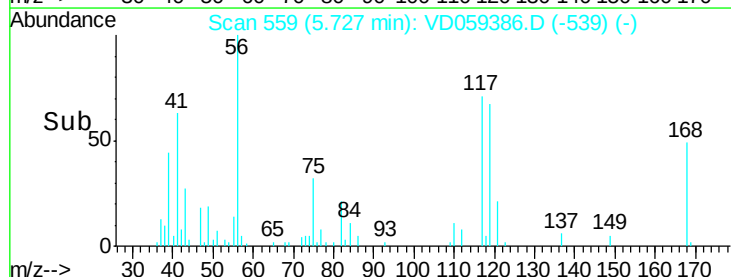
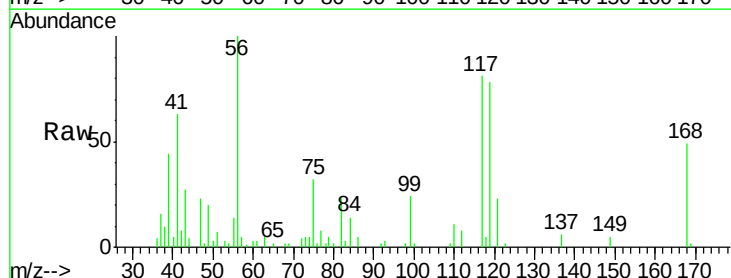
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

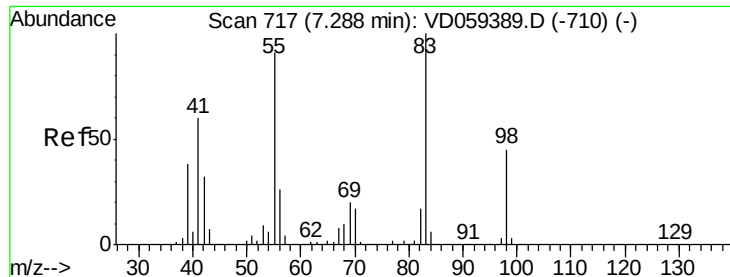
Tot Ion: 43 Resp: 36151
Ion Ratio Lower Upper
43 100
61 13.3 11.8 17.8
70 9.7 6.1 9.1#



#38
Carbon Tetrachloride
Concen: 5.11 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 117 Resp: 59728
Ion Ratio Lower Upper
117 100
119 95.5 76.6 115.0
121 28.1 25.0 37.4

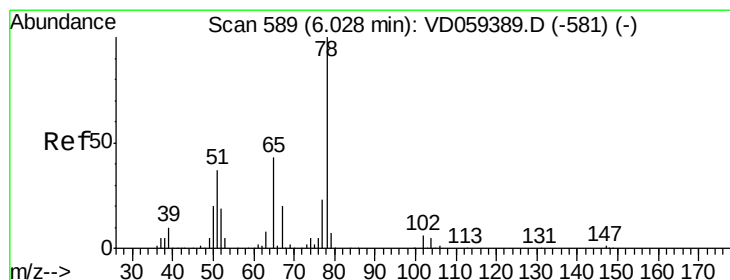
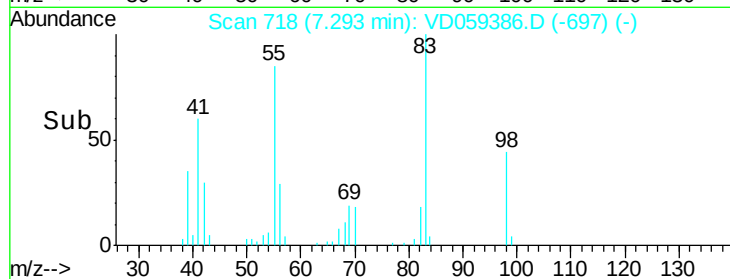
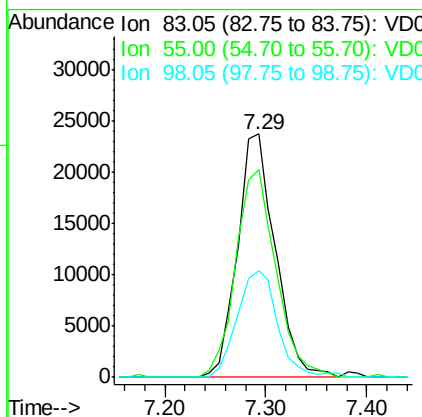
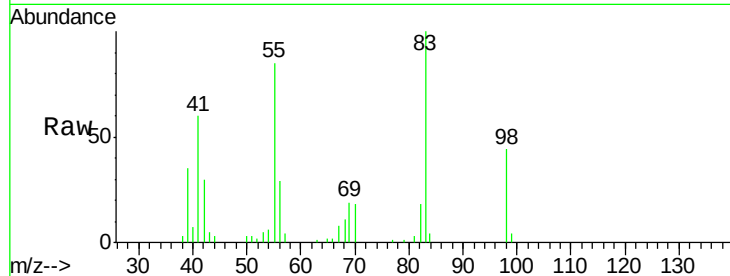




#39
Methylvlcyclohexane
Concen: 5.42 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

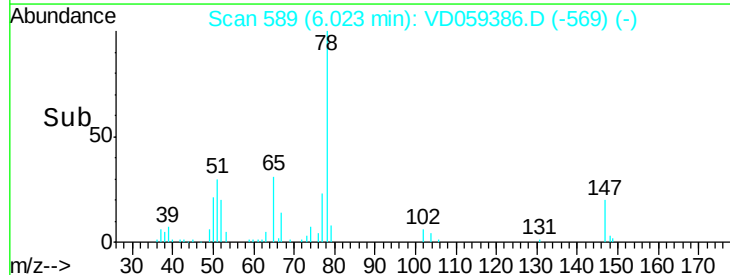
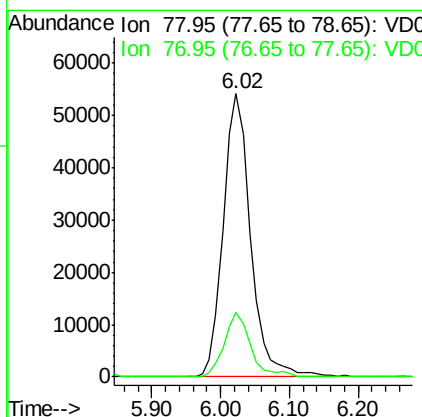
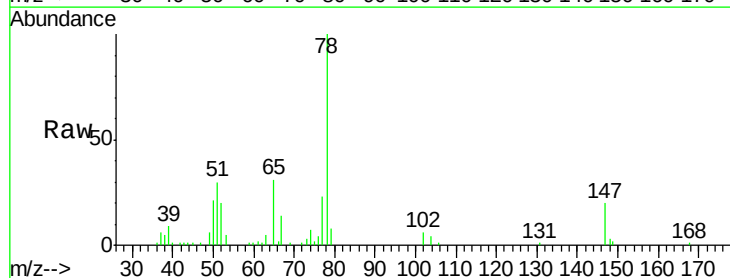
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

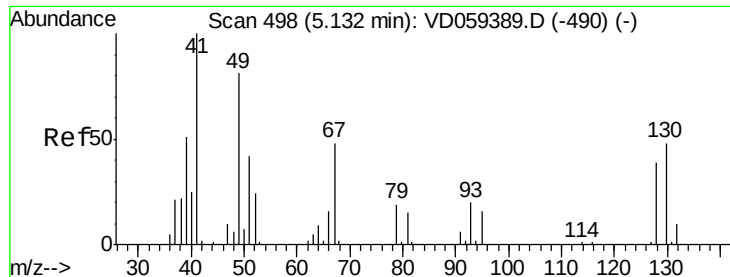
Tot Ion: 83 Resp: 61713
Ion Ratio Lower Upper
83 100
55 85.4 72.6 109.0
98 44.0 35.8 53.6



#40
Benzene
Concen: 5.30 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 78 Resp: 148737
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1





#41

Methacrylonitrile

Concen: 5.20 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 17051

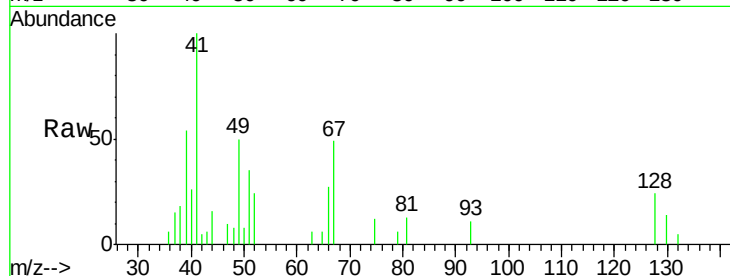
Ion Ratio Lower Upper

41 100

39 54.3 41.5 62.3

67 48.9 38.7 58.1

52 24.2 19.4 29.2

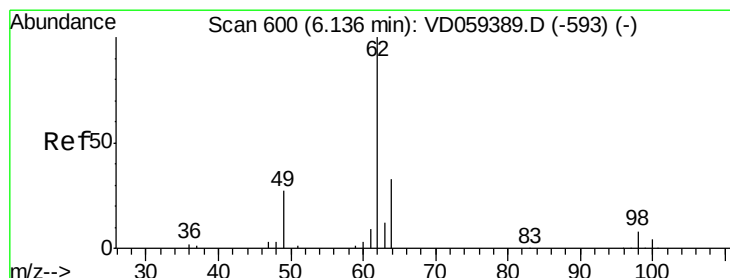
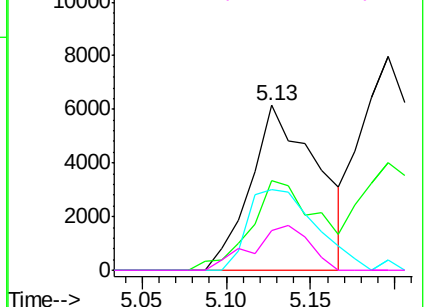
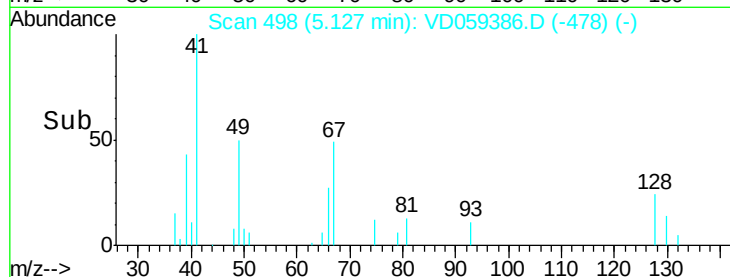


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 5.21 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059386.D

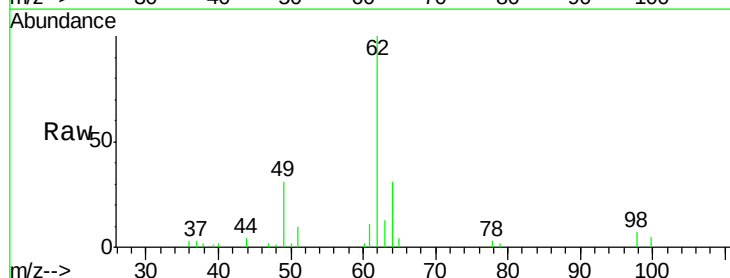
Acq: 24 Jun 2018 23:54

Tgt Ion: 62 Resp: 59423

Ion Ratio Lower Upper

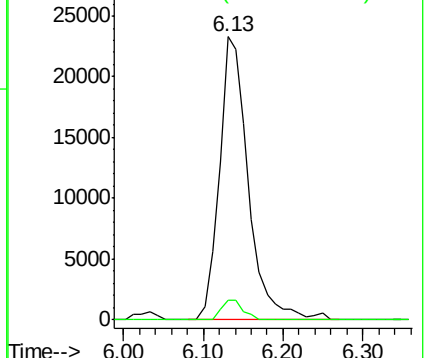
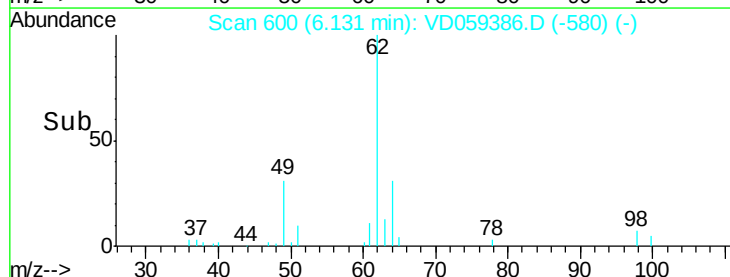
62 100

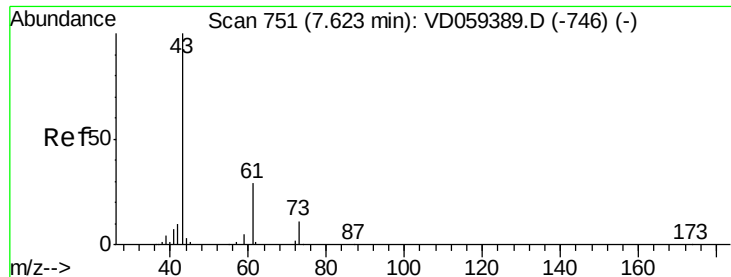
98 7.1 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.65 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

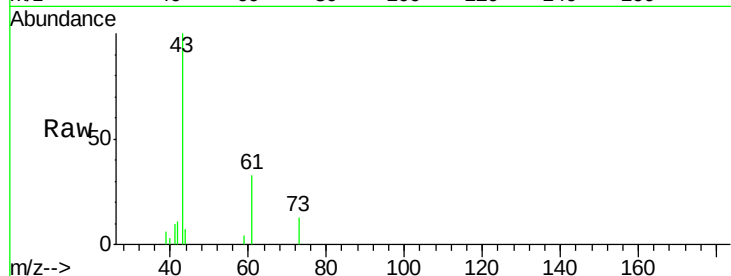
Tot Ion: 43 Resp: 40763

Ion Ratio Lower Upper

43 100

61 32.9 23.1 34.7

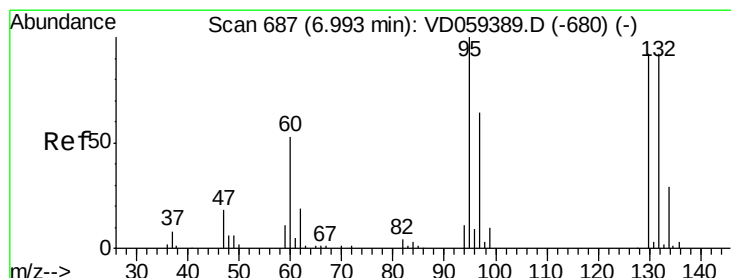
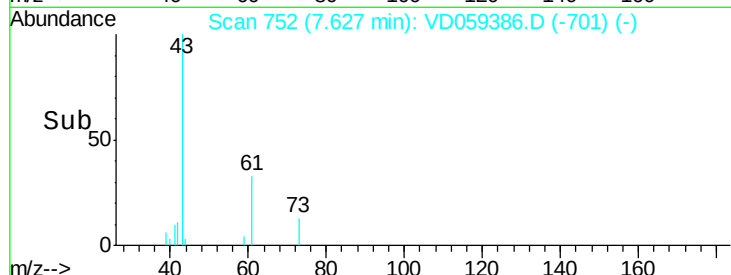
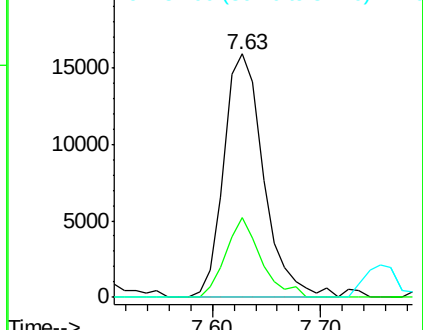
87 0.0 0.2 0.4#



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: 6.11 ug/l

RT: 6.99 min Scan# 687

Delta R.T. -0.01 min

Lab File: VD059386.D

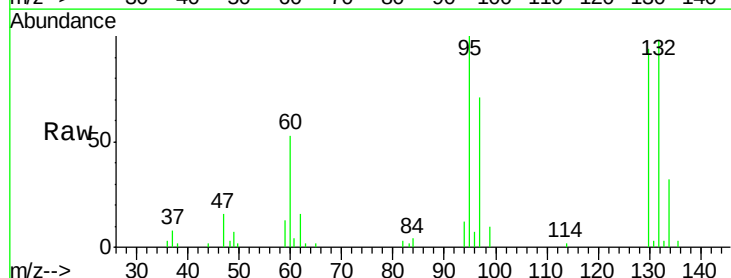
Acq: 24 Jun 2018 23:54

Tgt Ion:130 Resp: 51790

Ion Ratio Lower Upper

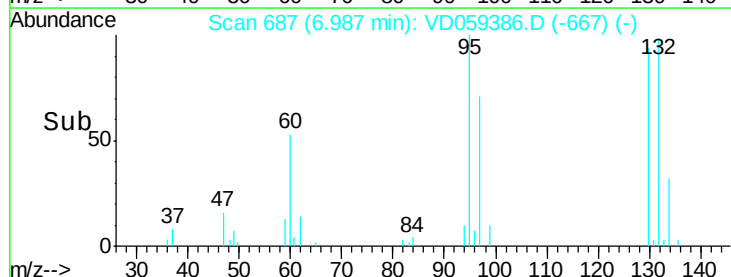
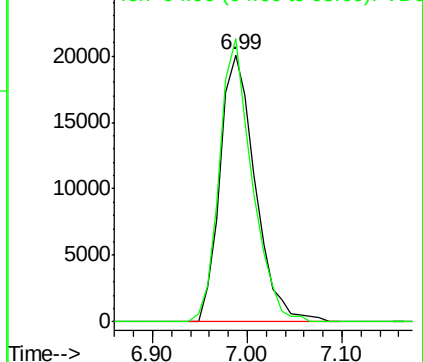
130 100

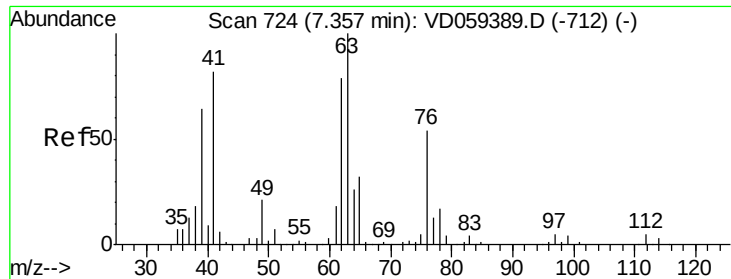
95 105.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

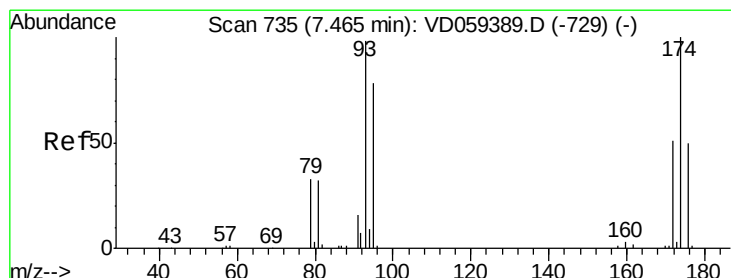
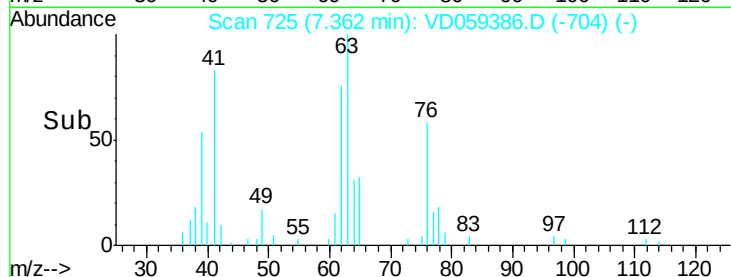
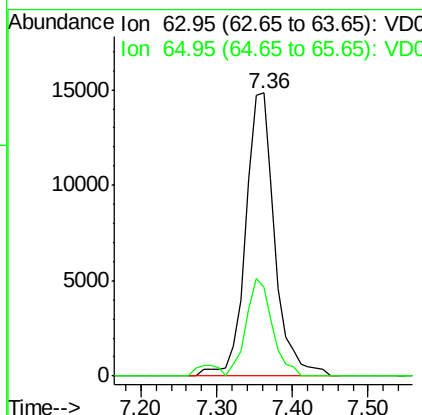
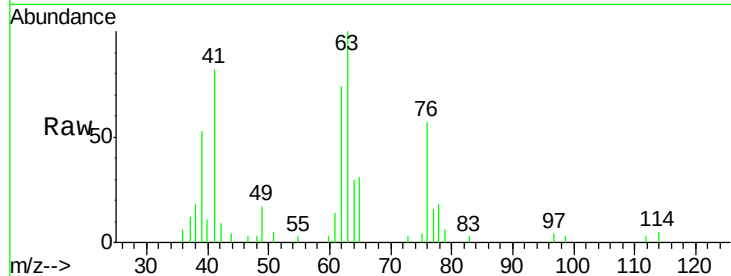




#45
 1,2-Dichloropropane
 Concen: 5.29 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

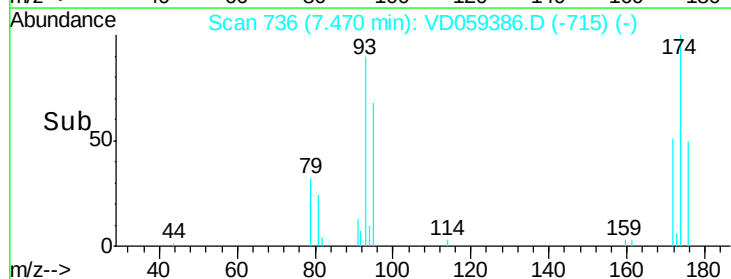
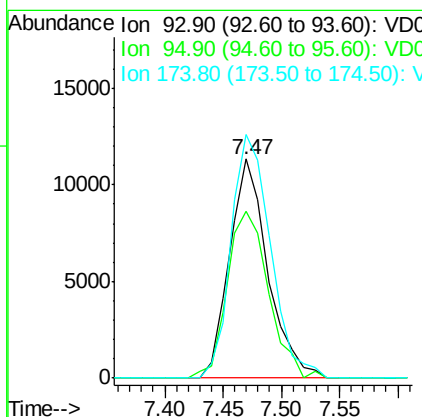
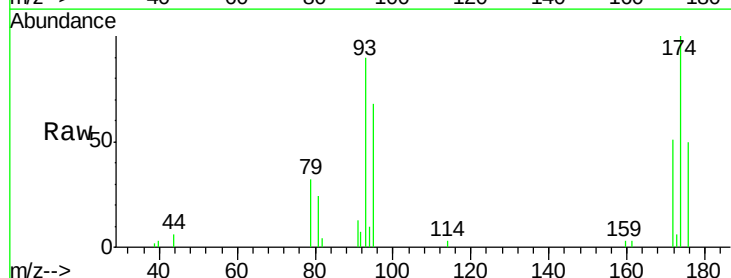
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

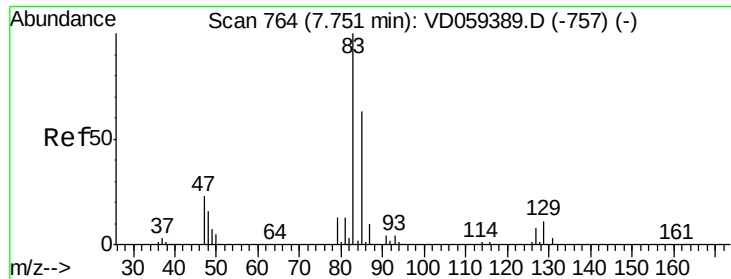
Tot Ion: 63 Resp: 39611
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.7 38.5



#46
 Dibromomethane
 Concen: 5.00 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 93 Resp: 25804
 Ion Ratio Lower Upper
 93 100
 95 76.0 63.4 95.0
 174 111.2 81.4 122.2





#47

Bromodichloromethane

Concen: 4.68 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

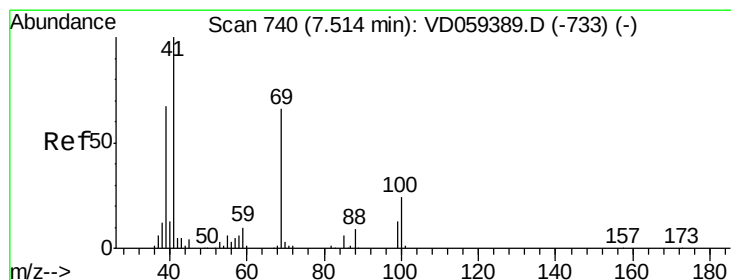
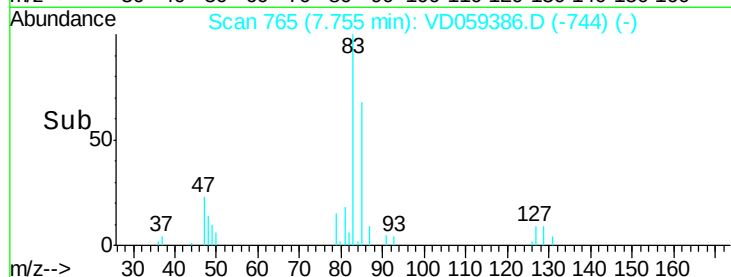
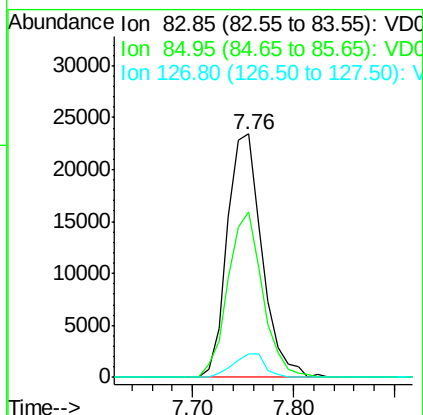
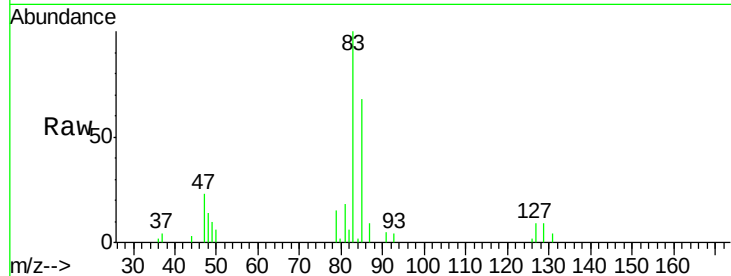
Tot Ion: 83 Resp: 55875

Ion Ratio Lower Upper

83 100

85 68.2 50.1 75.1

127 9.4 6.1 9.1#



#48

Methyl methacrylate

Concen: 4.47 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

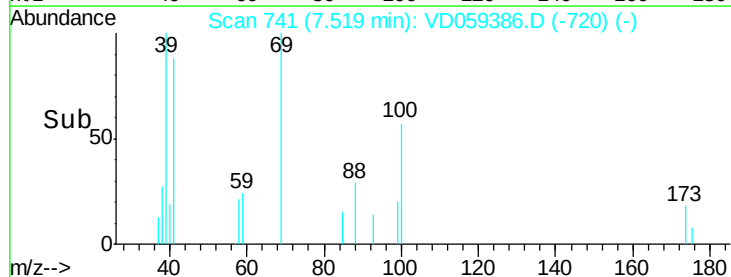
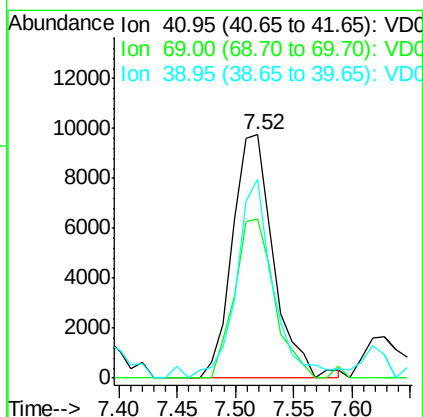
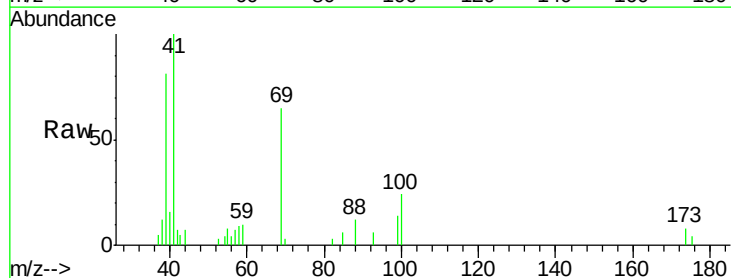
Tgt Ion: 41 Resp: 23817

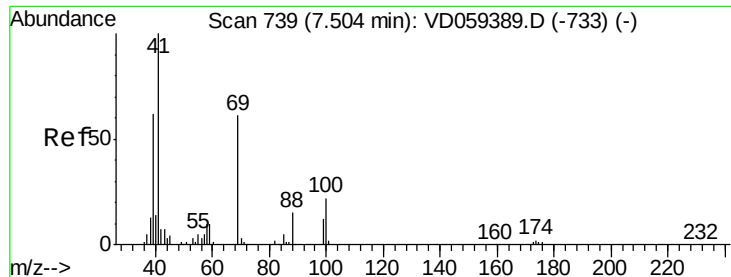
Ion Ratio Lower Upper

41 100

69 65.3 52.6 79.0

39 81.4 53.6 80.4#

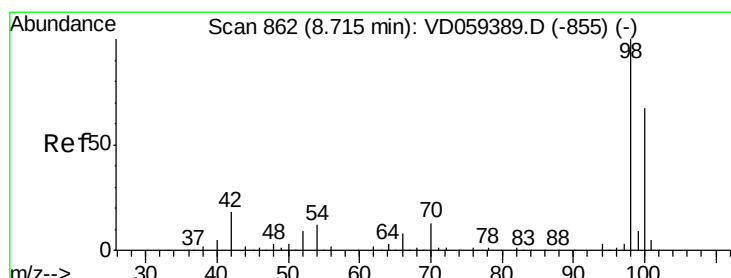
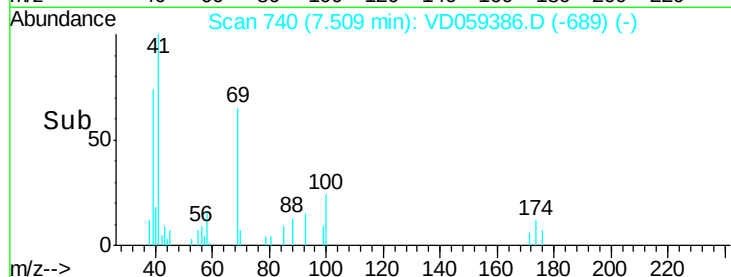
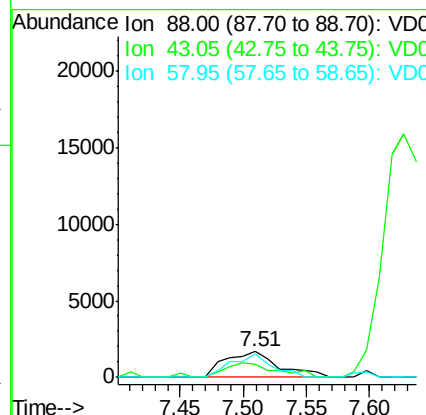
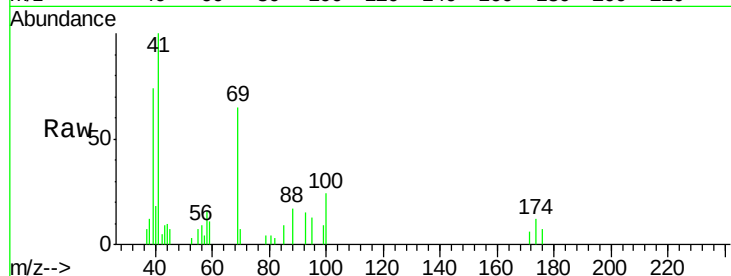




#49
1,4-Dioxane
Concen: 103.92 ug/l
RT: 7.51 min Scan# 740
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

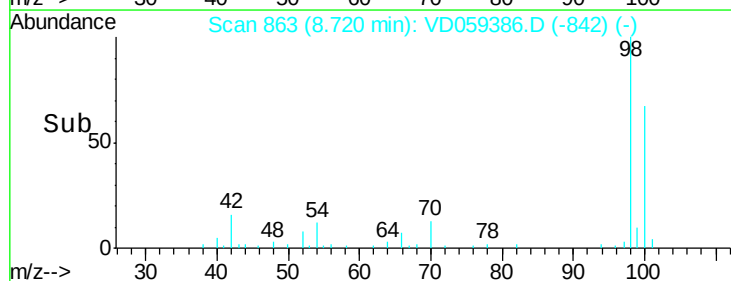
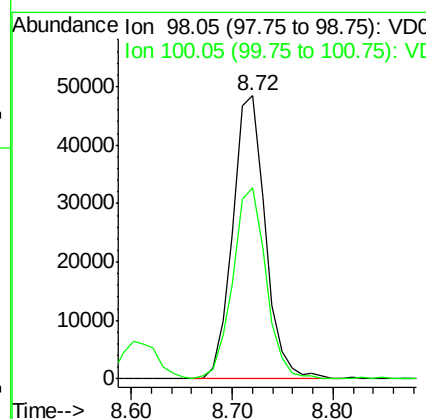
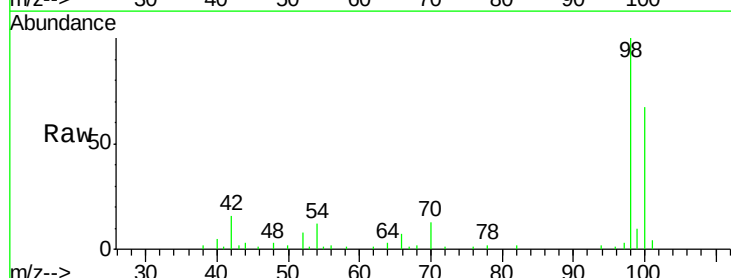
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

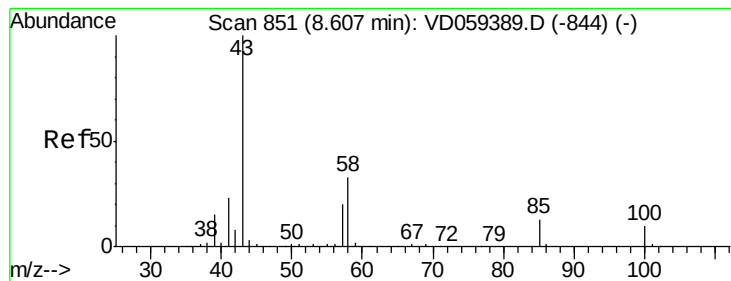
Tot Ion: 88 Resp: 5012
Ion Ratio Lower Upper
88 100
43 53.6 41.0 61.4
58 93.0 53.4 80.0#



#50
Toluene-d8
Concen: 103.92 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 98 Resp: 108782
Ion Ratio Lower Upper
98 100
100 67.4 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 24.97 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

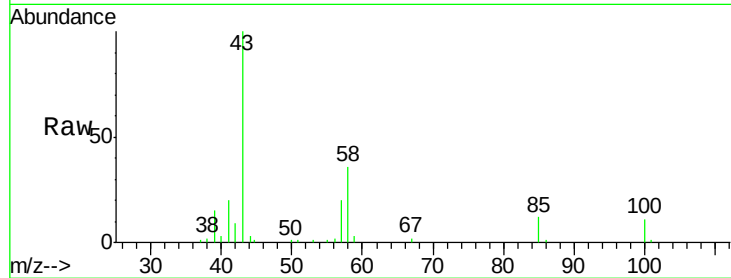
VSTDIC005

Tot Ion: 43 Resp: 143481

Ion Ratio Lower Upper

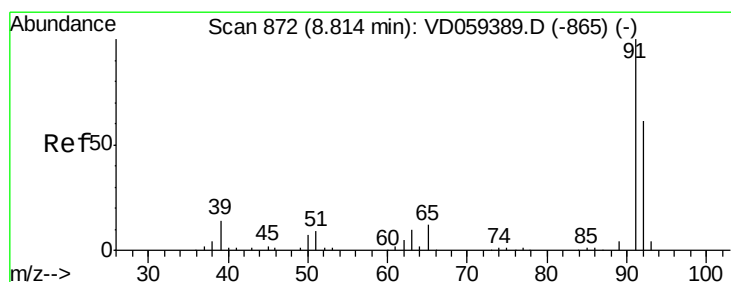
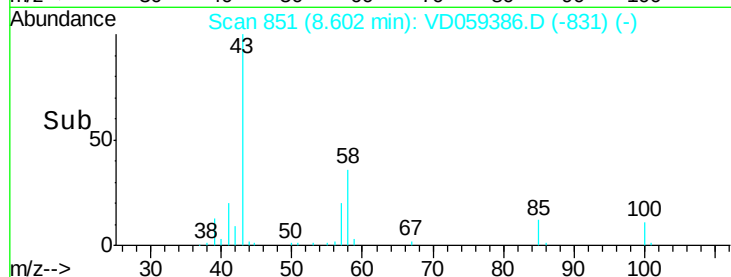
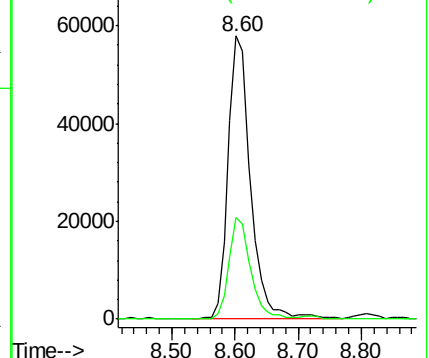
43 100

58 35.8 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: 5.56 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.01 min

Lab File: VD059386.D

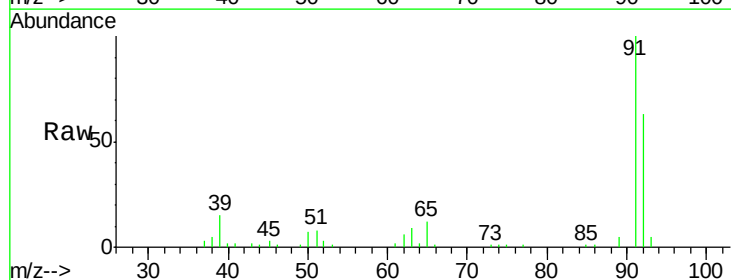
Acq: 24 Jun 2018 23:54

Tgt Ion: 92 Resp: 89094

Ion Ratio Lower Upper

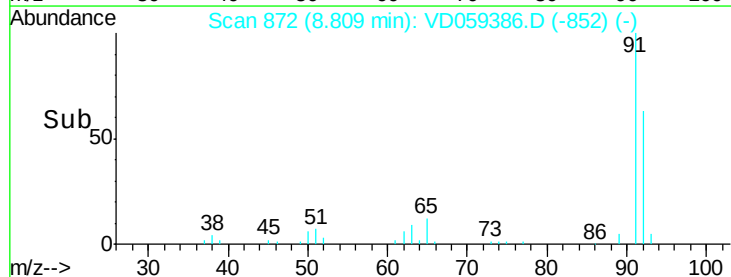
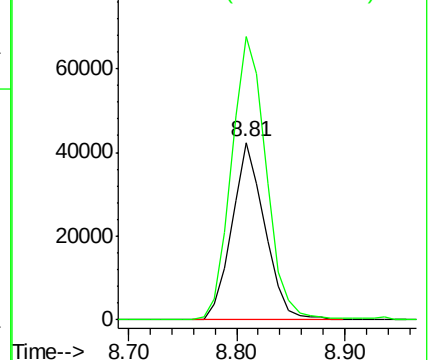
92 100

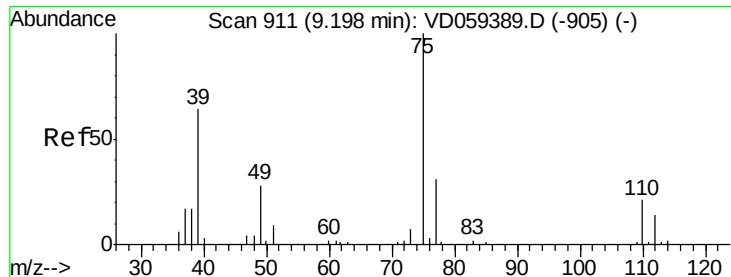
91 159.7 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.66 ug/l

RT: 9.19 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

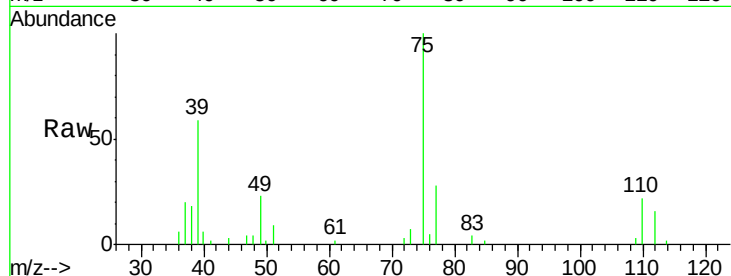
VSTDIC005

Tot Ion: 75 Resp: 47538

Ion Ratio Lower Upper

75 100

77 28.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.19

25000

20000

15000

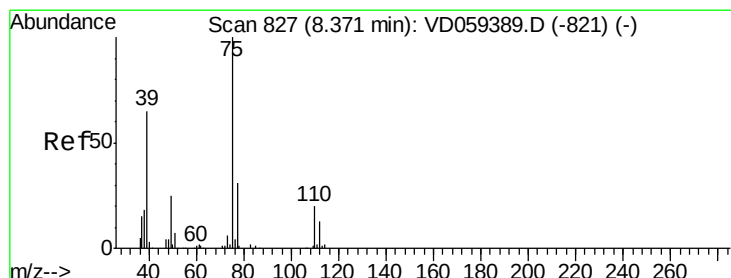
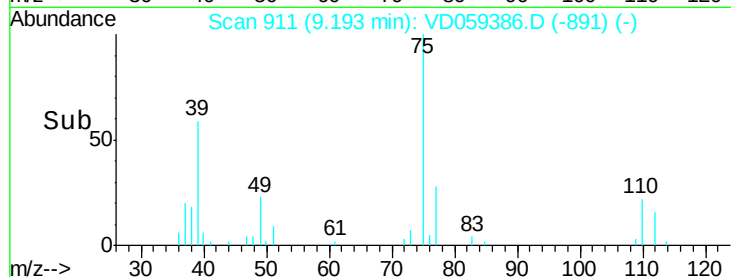
10000

5000

0

Time-->

9.10 9.15 9.20 9.25 9.30



#54

cis-1,3-Dichloropropene

Concen: 4.72 ug/l

RT: 8.37 min Scan# 827

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

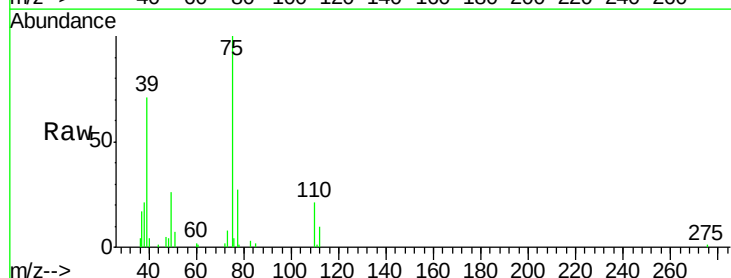
Tgt Ion: 75 Resp: 56034

Ion Ratio Lower Upper

75 100

77 27.0 24.7 37.1

39 70.7 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.37

30000

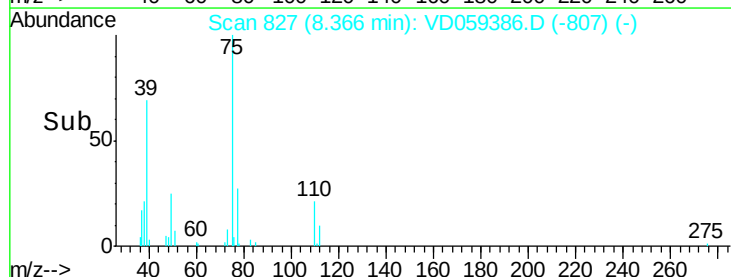
20000

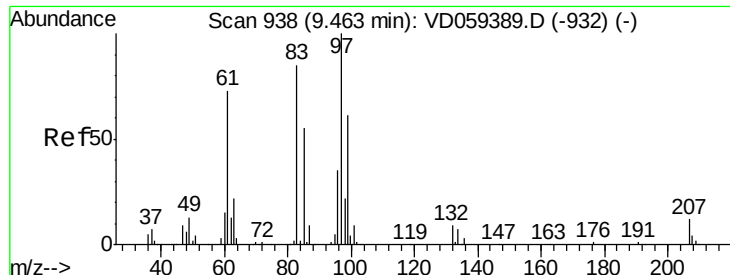
10000

0

Time-->

8.30 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 5.33 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 30251

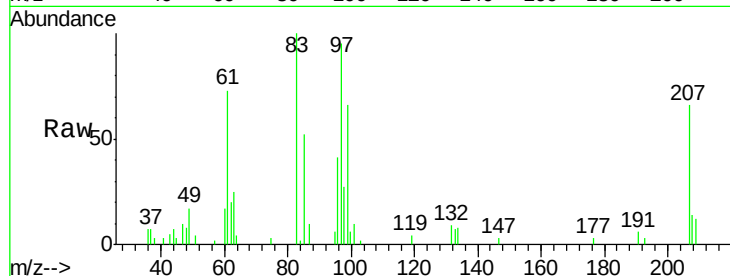
Ion Ratio Lower Upper

97 100

83 105.5 67.7 101.5#

85 54.5 44.3 66.5

99 69.9 48.6 73.0

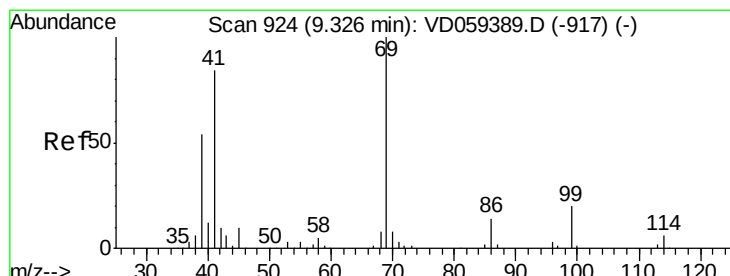
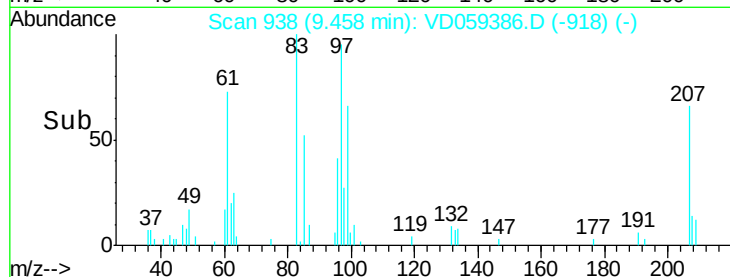
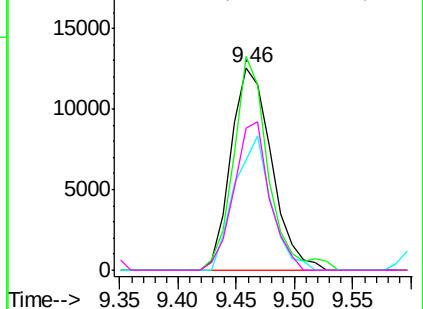


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 4.75 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

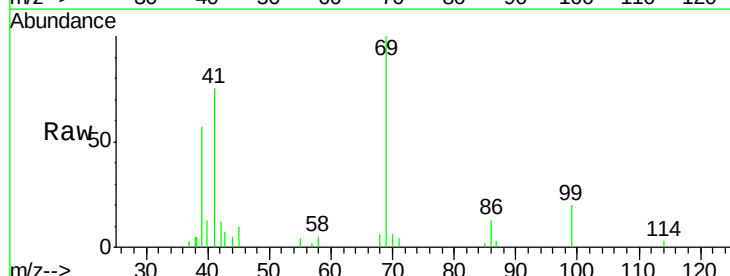
Tgt Ion: 69 Resp: 31795

Ion Ratio Lower Upper

69 100

41 74.7 67.4 101.0

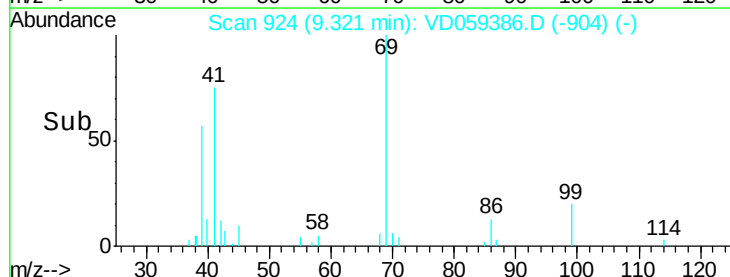
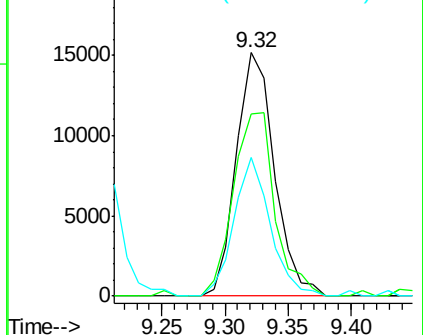
39 56.7 43.7 65.5

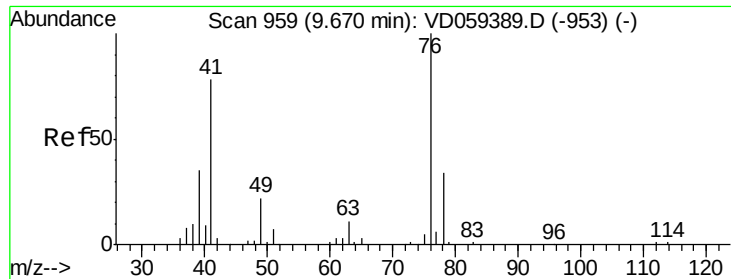


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 5.01 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

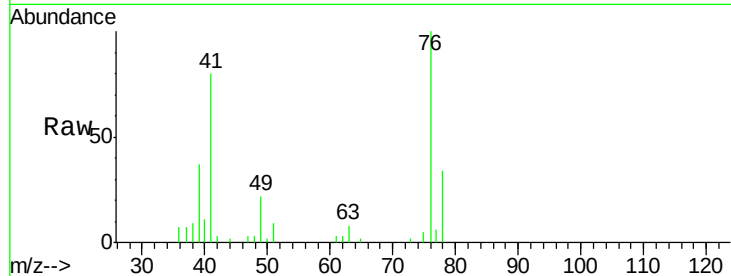
VSTDIC005

Tot Ion: 76 Resp: 47975

Ion Ratio Lower Upper

76 100

78 34.0 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

25000

20000

15000

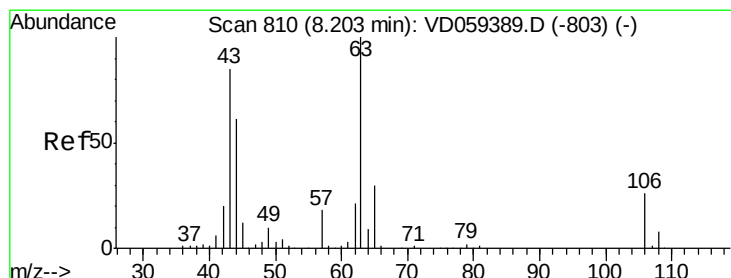
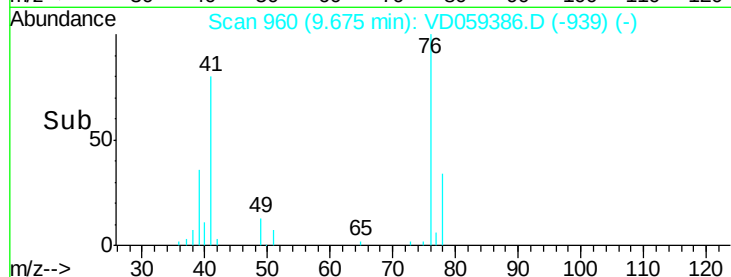
10000

5000

0

Time-->

9.60 9.70 9.80



#58

2-Chloroethyl Vinyl ether

Concen: 27.35 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD059386.D

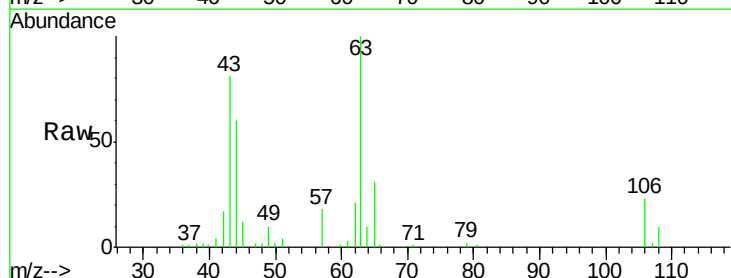
Acq: 24 Jun 2018 23:54

Tgt Ion: 63 Resp: 90812

Ion Ratio Lower Upper

63 100

106 22.6 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.20

50000

40000

30000

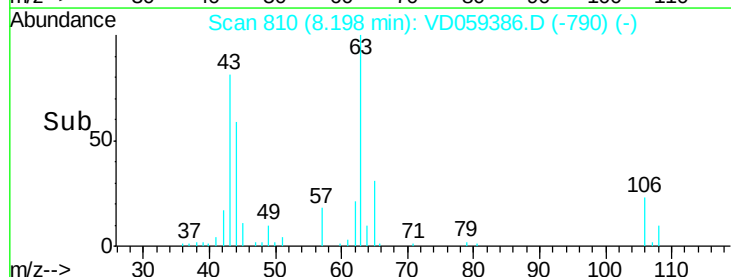
20000

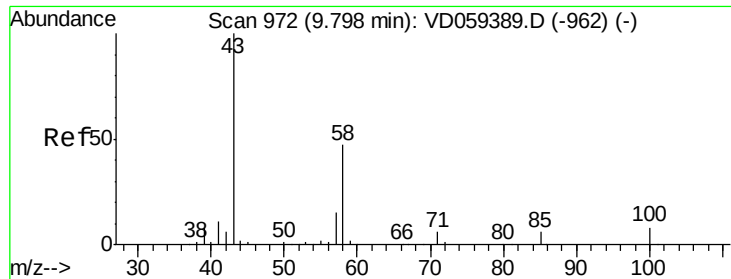
10000

0

Time-->

8.10 8.20 8.30

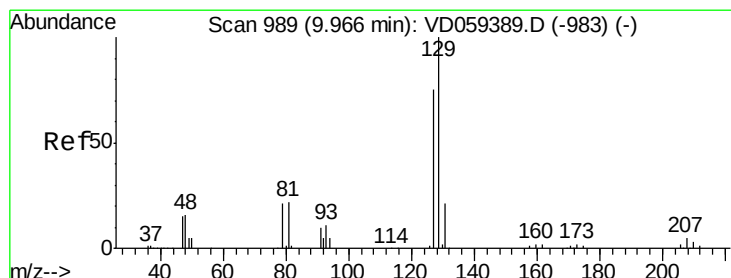
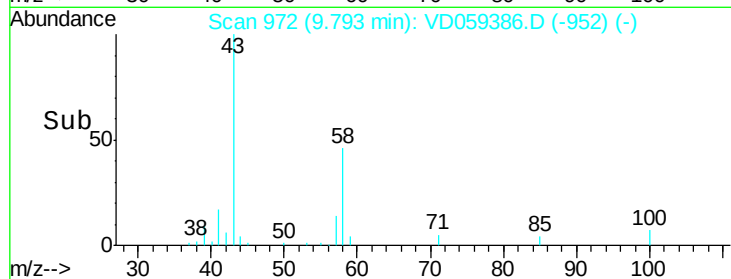
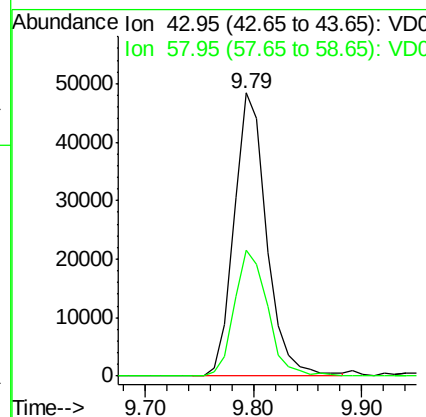
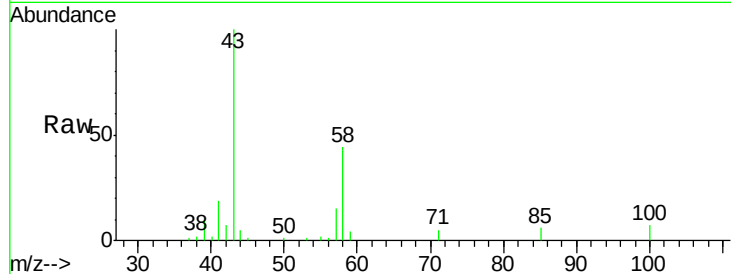




#59
2-Hexanone
Concen: 24.15 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

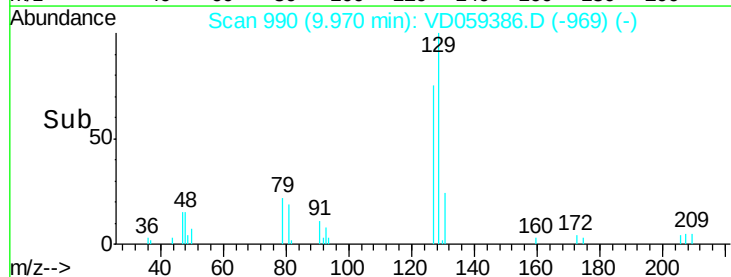
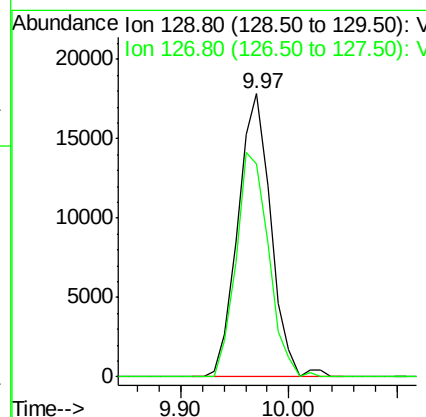
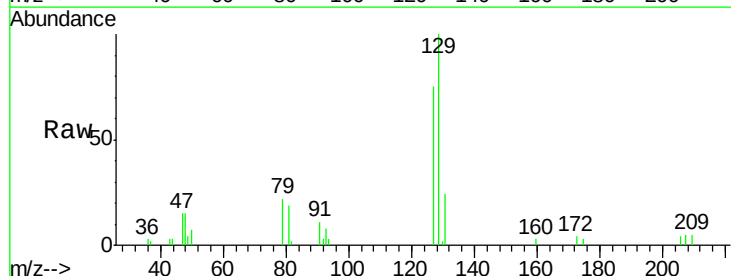
Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

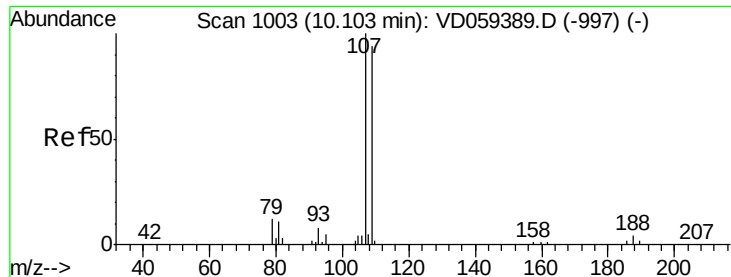
Tot Ion: 43 Resp: 100881
Ion Ratio Lower Upper
43 100
58 44.3 23.3 69.9



#60
Dibromochloromethane
Concen: 4.88 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion:129 Resp: 37711
Ion Ratio Lower Upper
129 100
127 75.0 37.3 111.8

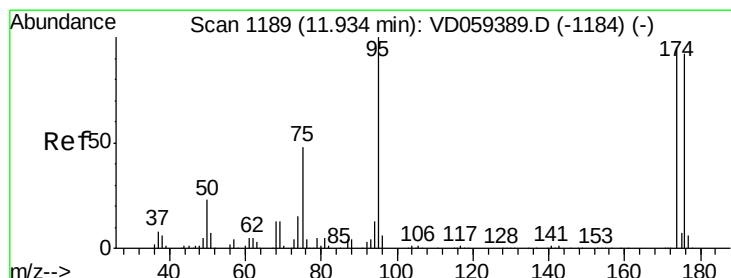
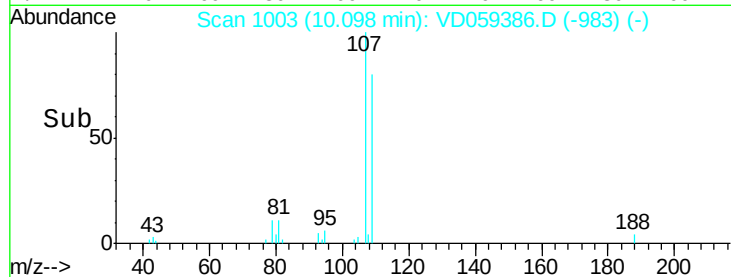
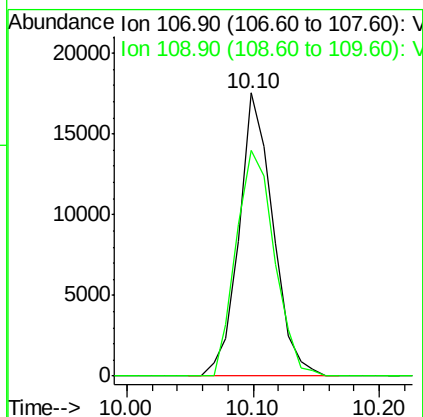
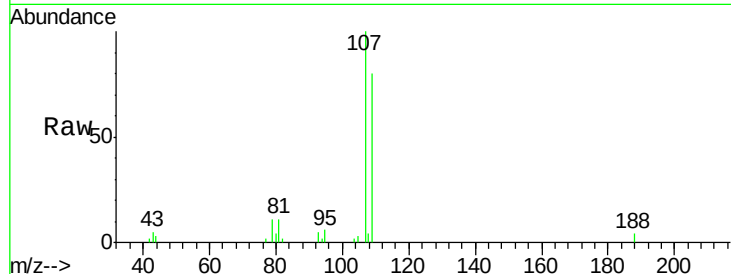




#61
 1,2-Dibromoethane
 Concen: 5.28 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

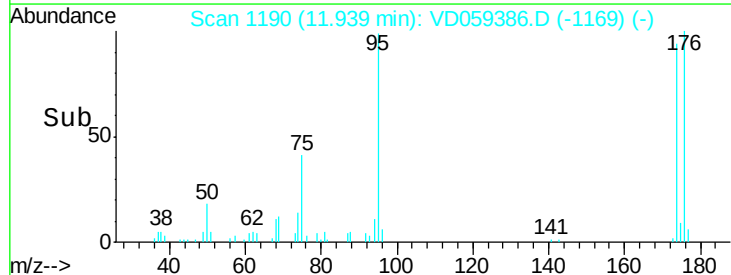
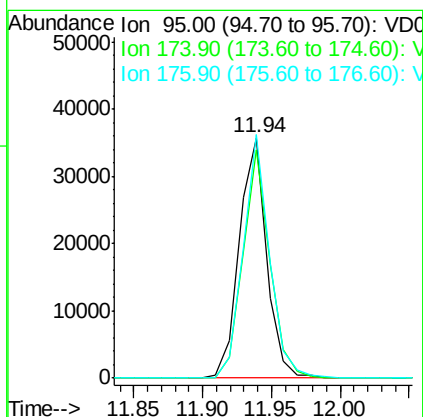
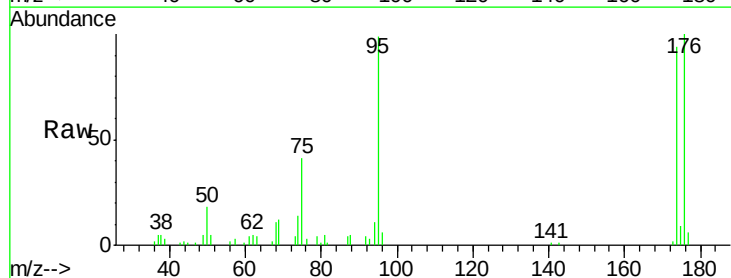
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

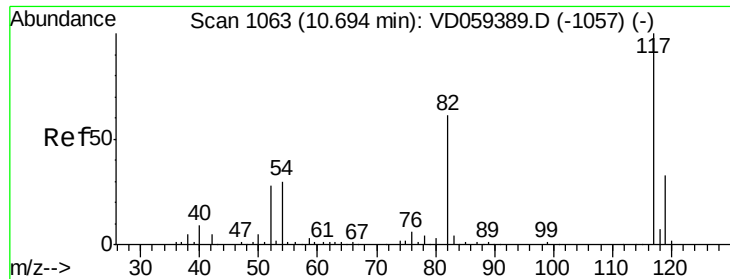
Tot Ion:107 Resp: 32611
 Ion Ratio Lower Upper
 107 100
 109 79.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 5.28 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 95 Resp: 49386
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 190.4
 176 101.5 0.0 183.2

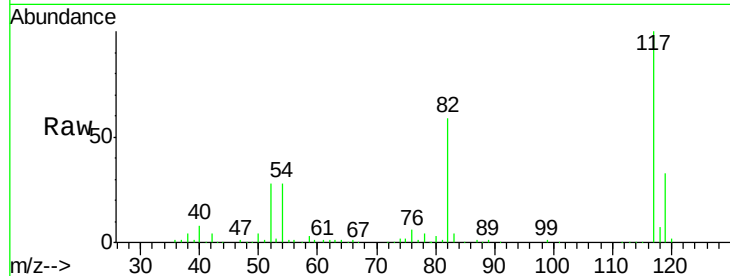




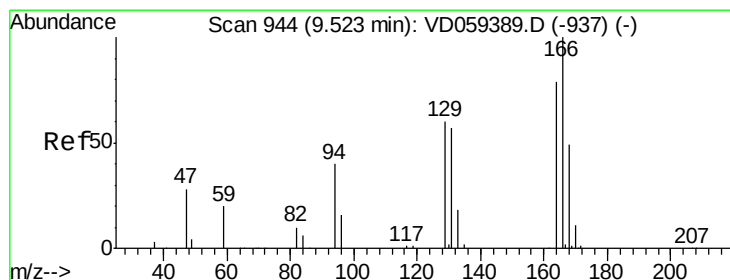
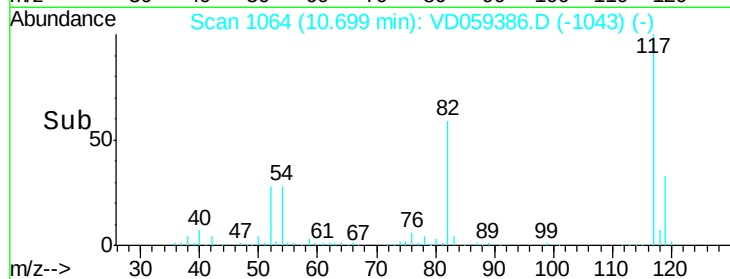
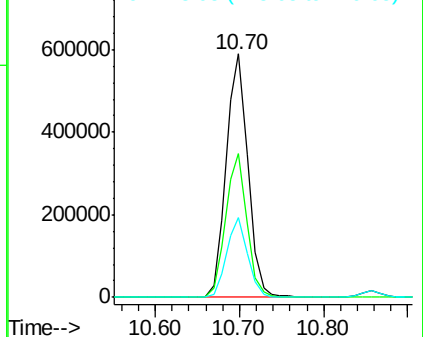
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 1057201
Ion Ratio Lower Upper
117 100
82 58.9 49.0 73.6
119 33.0 26.2 39.4

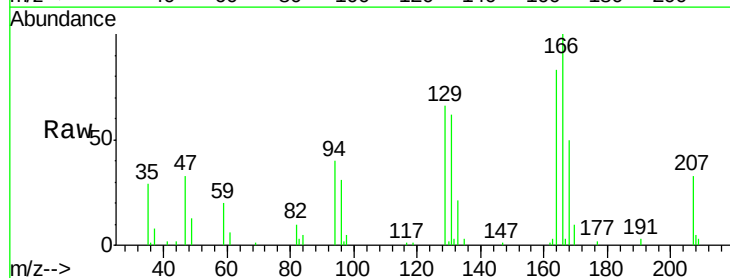


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

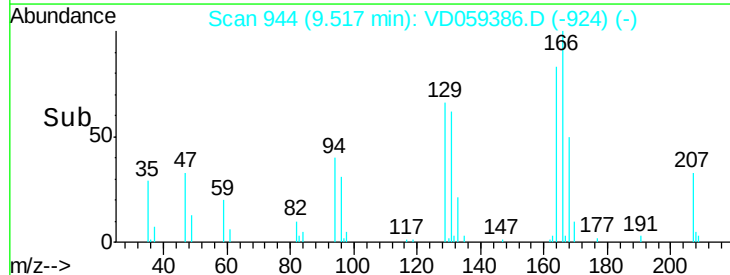
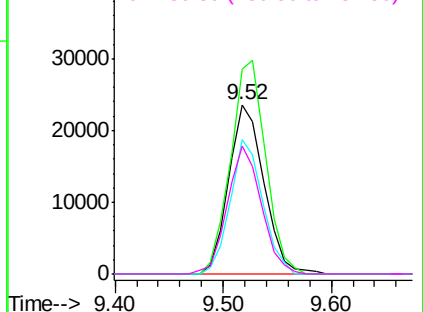


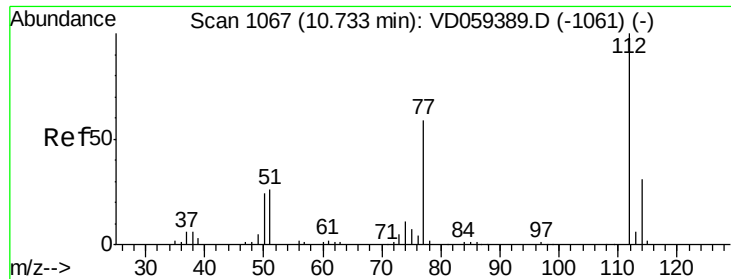
#64
Tetrachloroethene
Concen: 6.00 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion:164 Resp: 53375
Ion Ratio Lower Upper
164 100
166 120.6 101.4 152.2
129 79.5 60.9 91.3
131 75.4 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

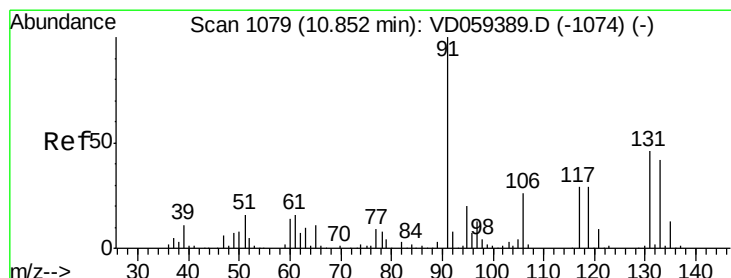
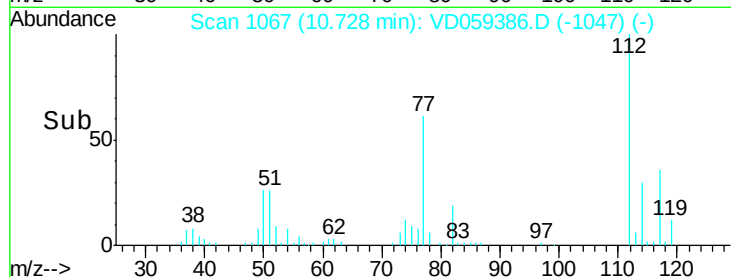
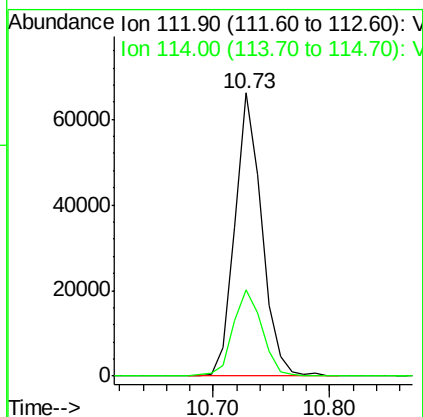
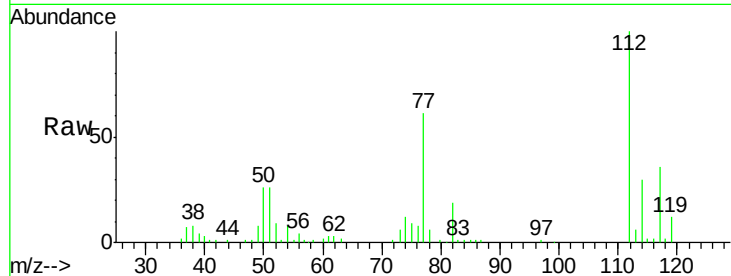




#65
Chlorobenzene
Concen: 5.36 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

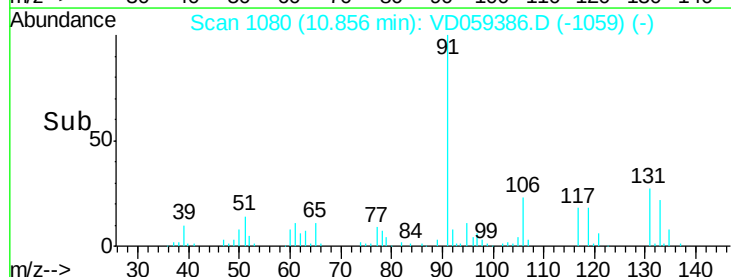
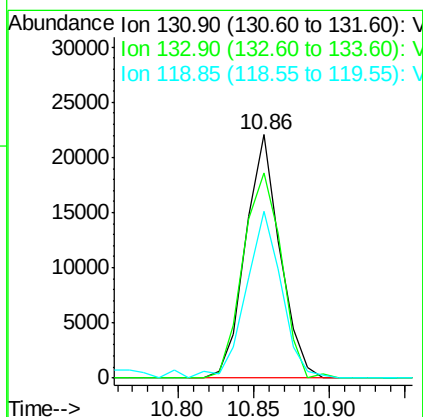
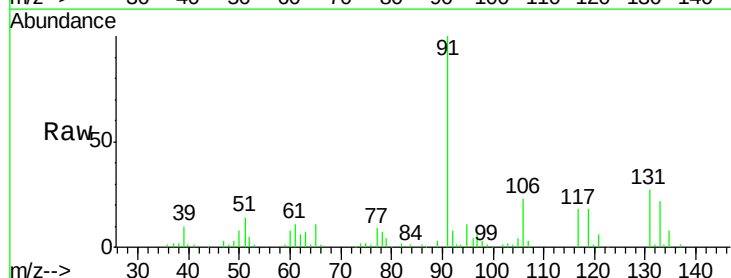
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

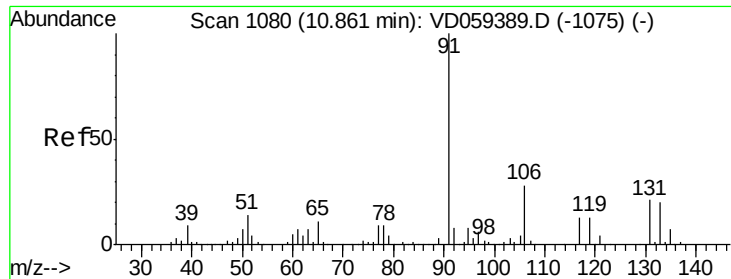
Tot Ion:112 Resp: 105321
Ion Ratio Lower Upper
112 100
114 30.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.57 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion:131 Resp: 34959
Ion Ratio Lower Upper
131 100
133 84.2 45.7 137.1
119 68.4 32.3 96.9

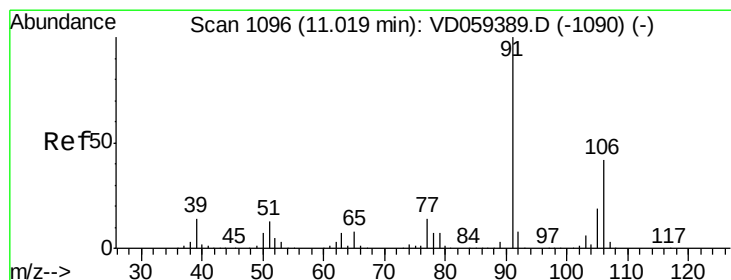
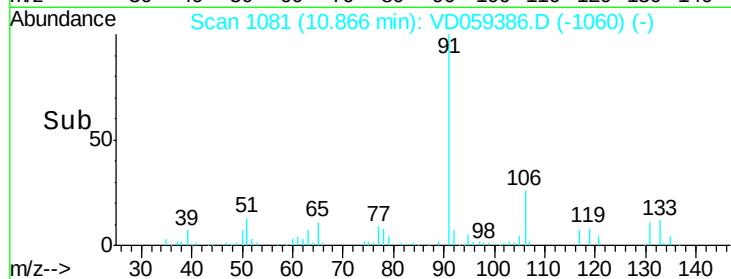
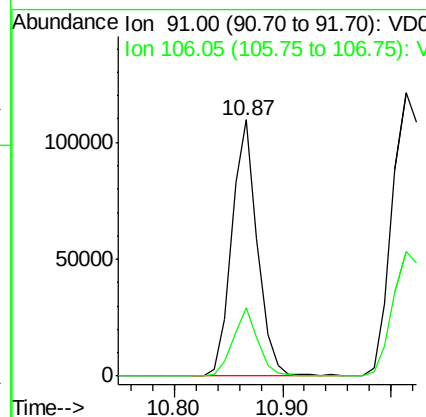
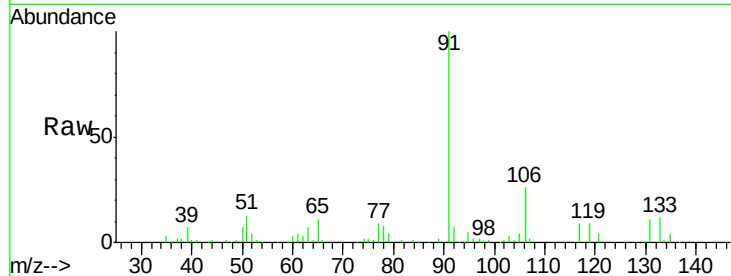




#67
Ethyl Benzene
Concen: 5.17 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

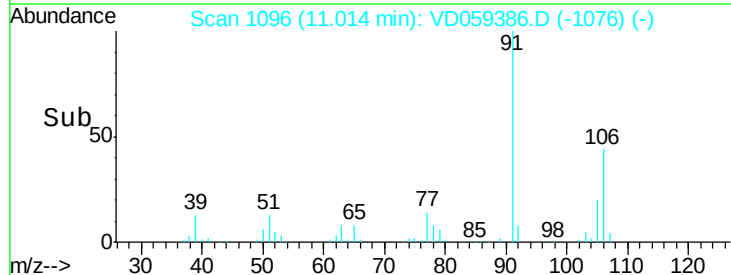
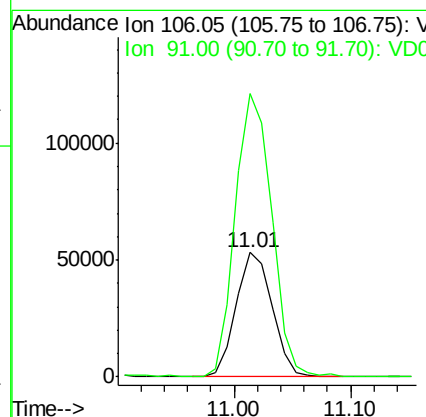
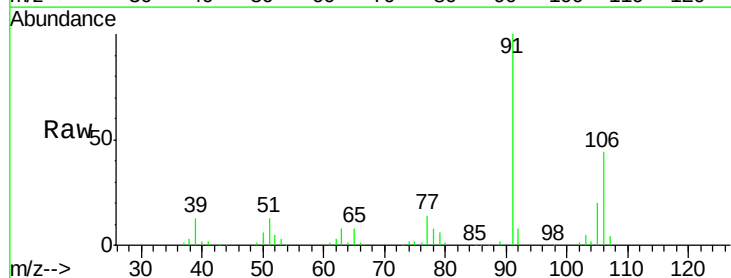
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

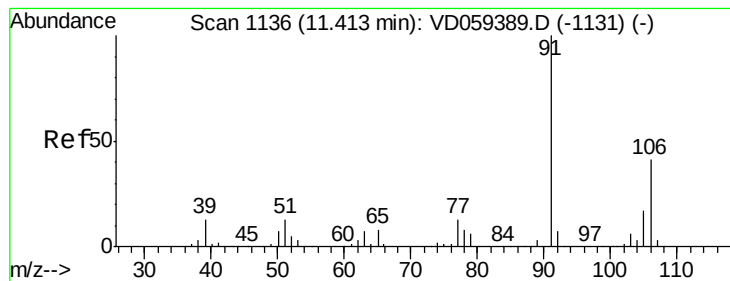
Tot Ion: 91 Resp: 179753
Ion Ratio Lower Upper
91 100
106 26.5 22.3 33.5



#68
m/p-Xylenes
Concen: 9.93 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 106 Resp: 114629
Ion Ratio Lower Upper
106 100
91 227.1 191.0 286.6





#69

o-Xylene

Concen: 4.97 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

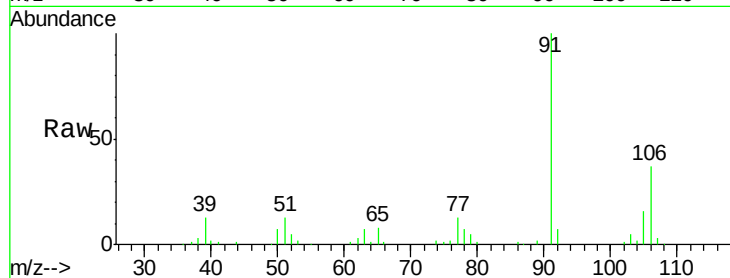
VSTDIC005

Tot Ion:106 Resp: 55417

Ion Ratio Lower Upper

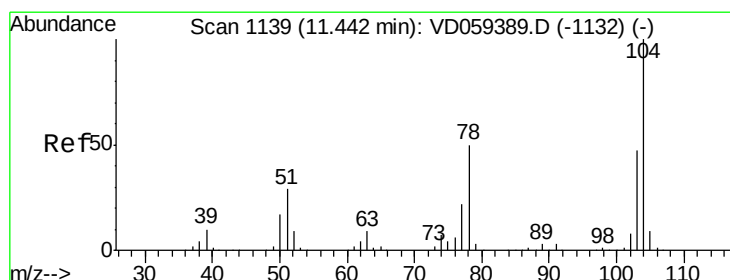
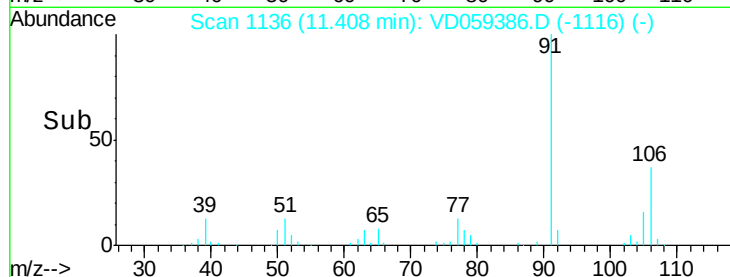
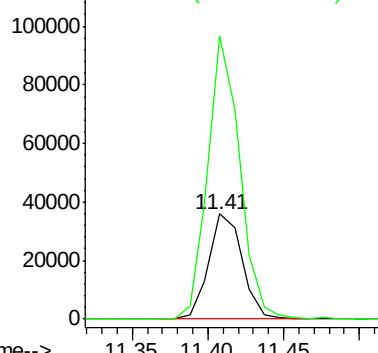
106 100

91 269.4 121.0 362.8



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 5.12 ug/l

RT: 11.44 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

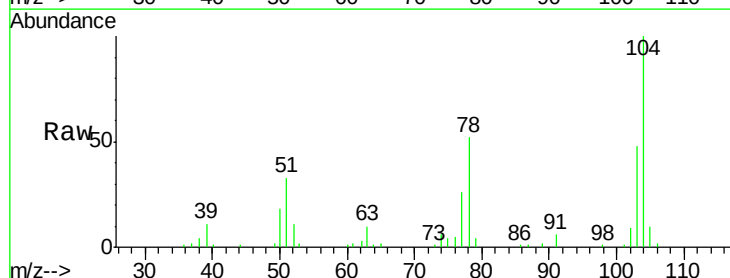
Tgt Ion:104 Resp: 97247

Ion Ratio Lower Upper

104 100

78 52.2 40.2 60.4

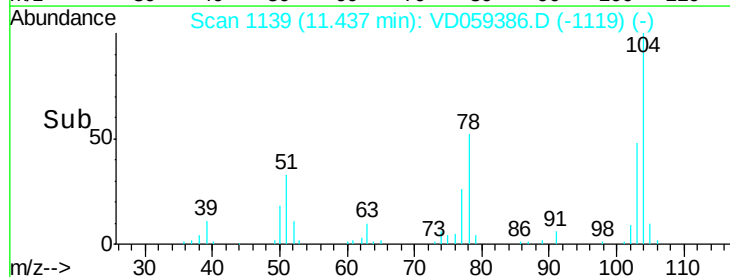
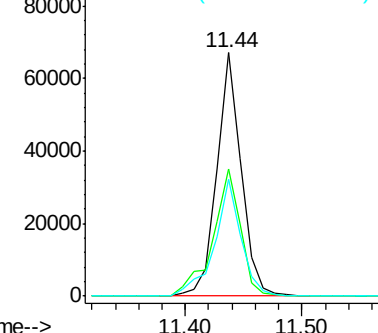
103 48.2 37.8 56.8

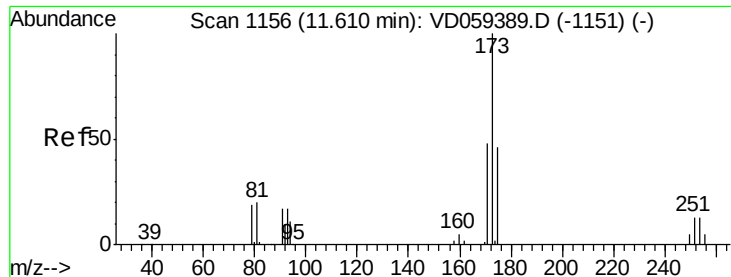


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 4.10 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

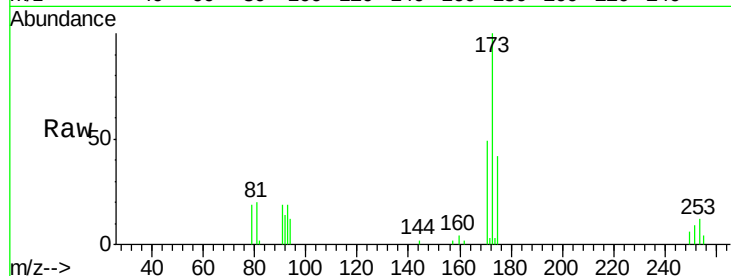
Tot Ion:173 Resp: 24740

Ion Ratio Lower Upper

173 100

175 42.3 22.8 68.4

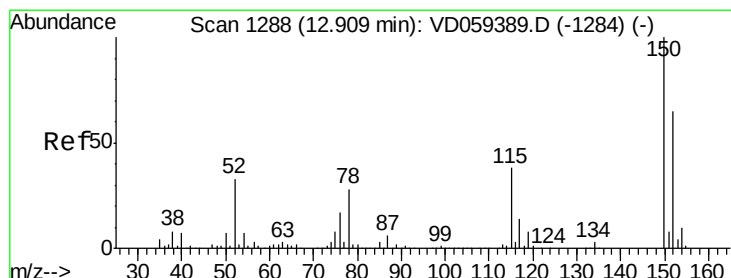
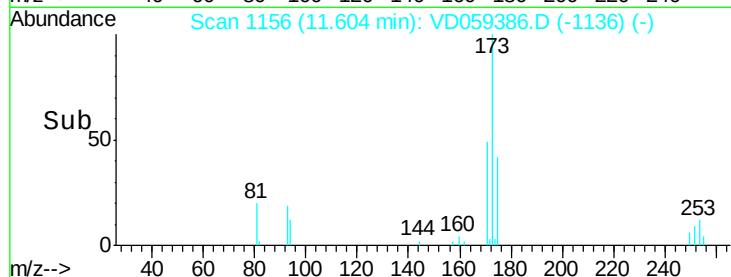
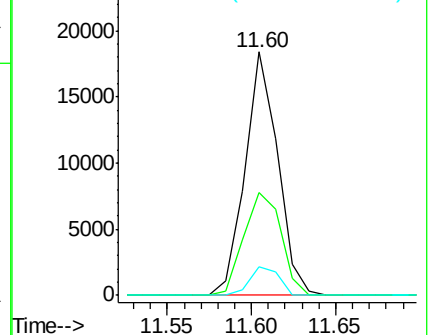
254 11.8 10.1 15.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

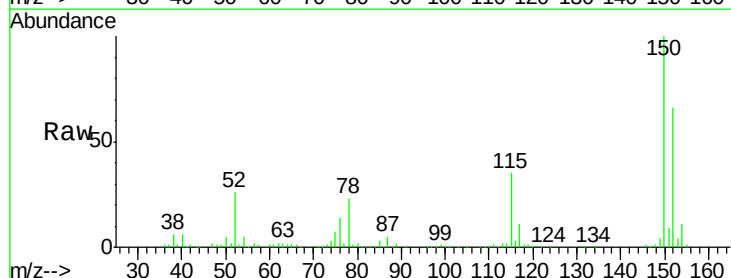
Tgt Ion:152 Resp: 530100

Ion Ratio Lower Upper

152 100

115 53.0 29.4 88.3

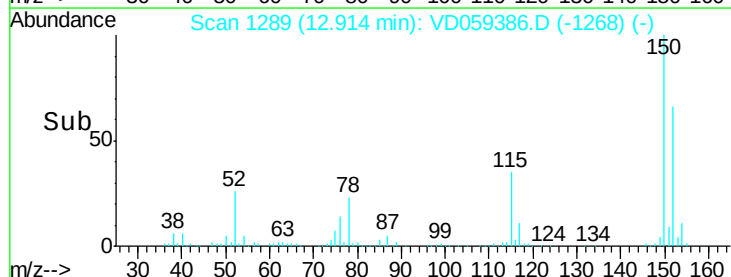
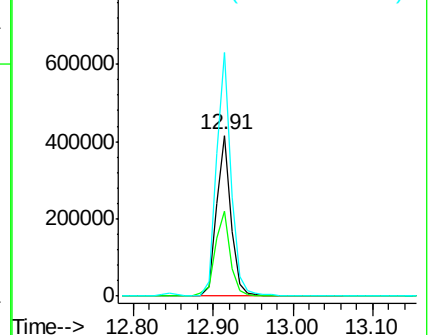
150 151.2 0.0 308.2

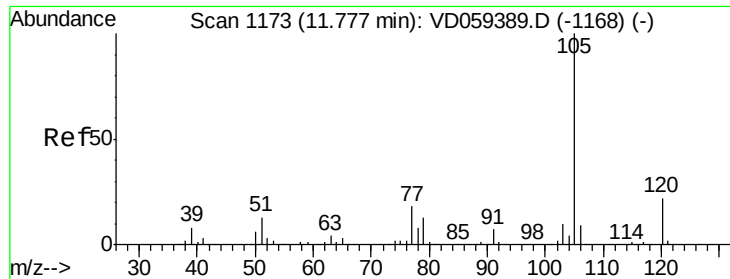


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.13 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

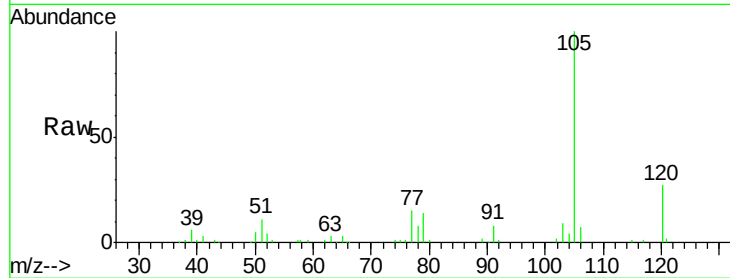
VSTDIC005

Tot Ion:105 Resp: 161215

Ion Ratio Lower Upper

105 100

120 26.8 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

120000

100000

80000

60000

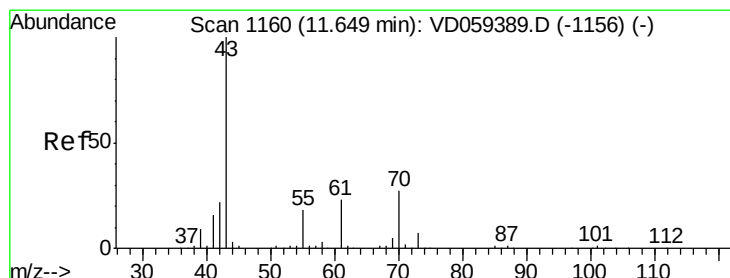
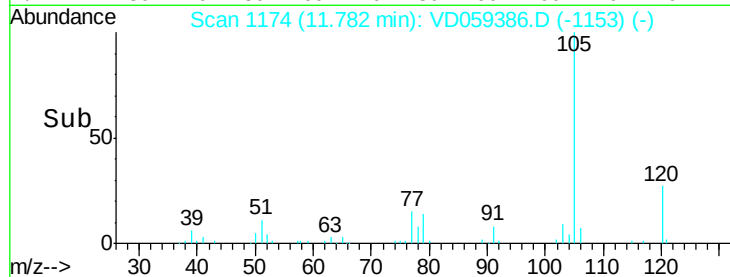
40000

20000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 4.59 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Tgt Ion: 43 Resp: 54468

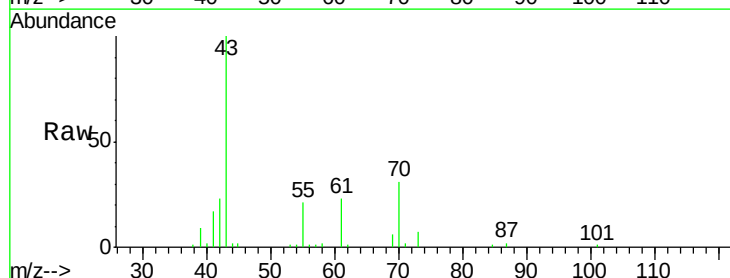
Ion Ratio Lower Upper

43 100

70 30.9 21.7 32.5

55 21.1 14.6 22.0

61 22.6 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

60000

50000

40000

30000

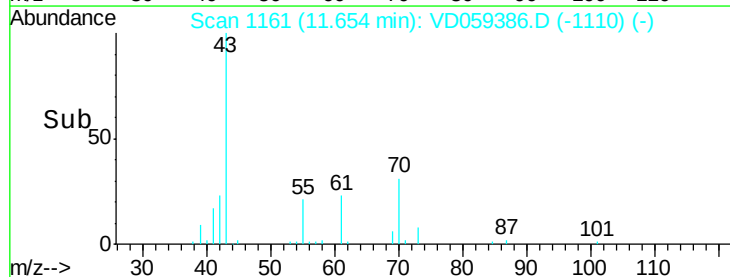
20000

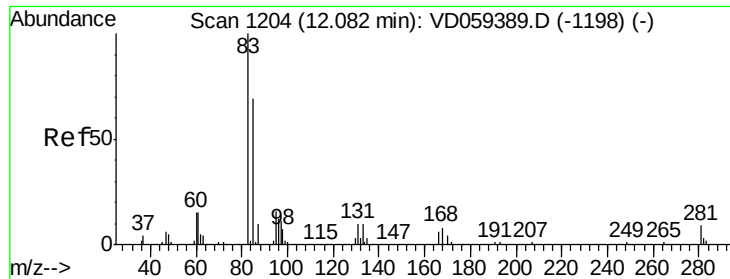
10000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 4.78 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

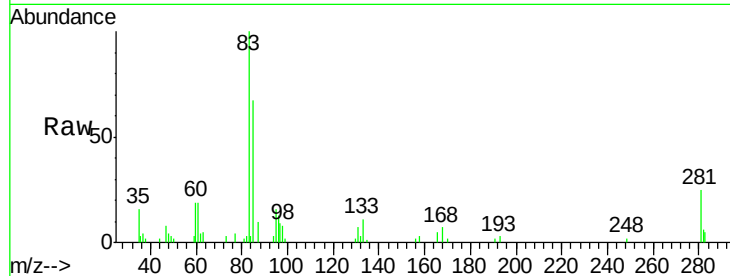
Tot Ion: 83 Resp: 34471

Ion Ratio Lower Upper

83 100

131 6.5 4.9 14.6

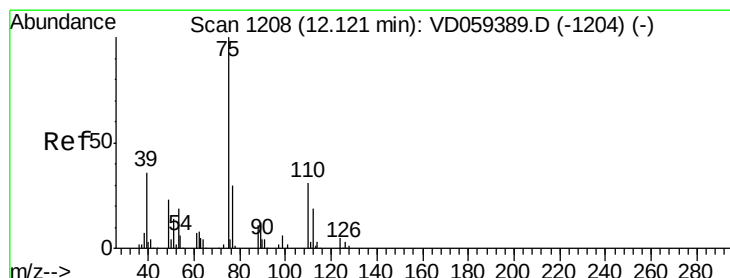
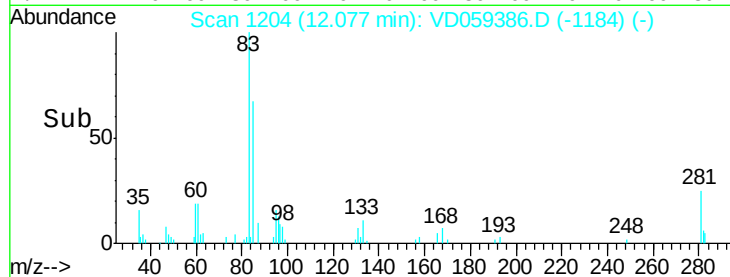
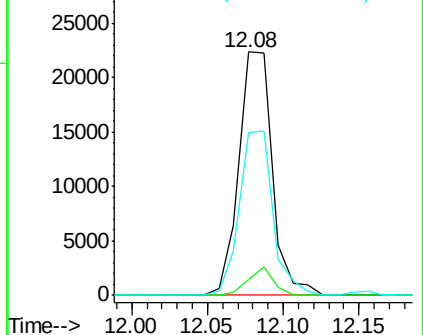
85 67.0 34.6 103.8



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: 5.08 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059386.D

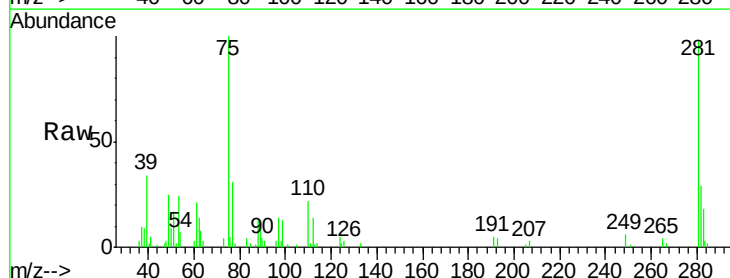
Acq: 24 Jun 2018 23:54

Tgt Ion: 75 Resp: 38481

Ion Ratio Lower Upper

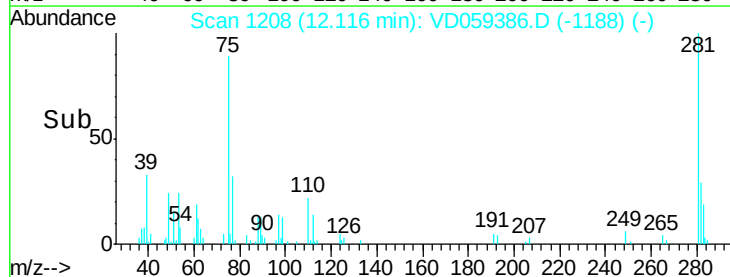
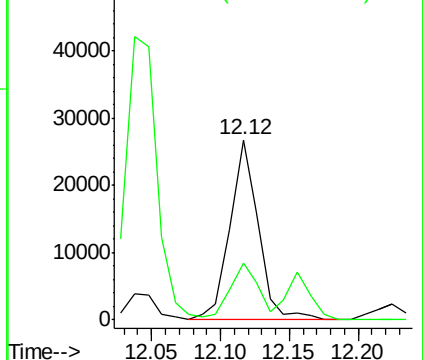
75 100

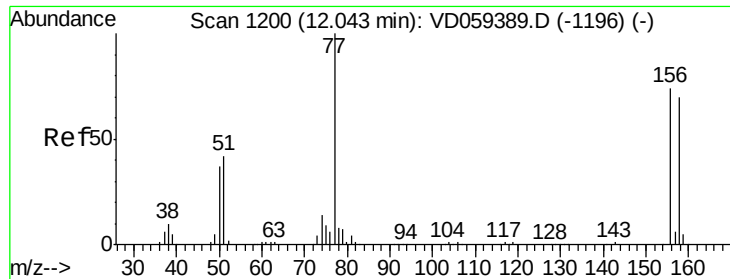
77 31.3 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

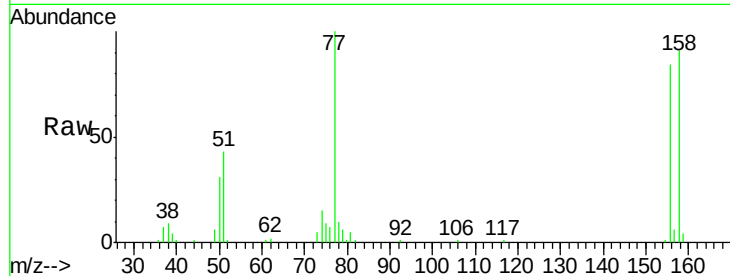




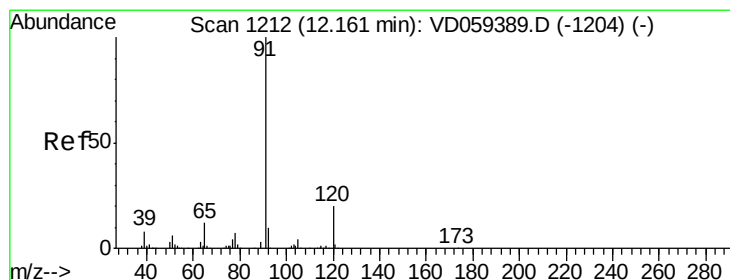
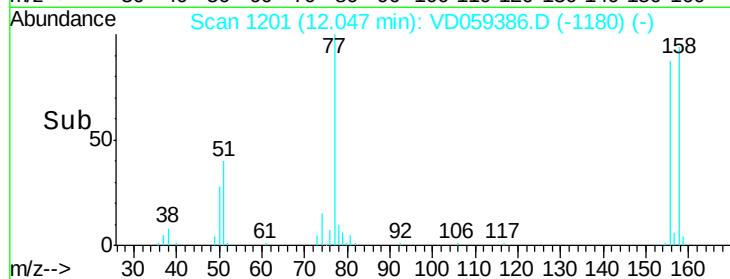
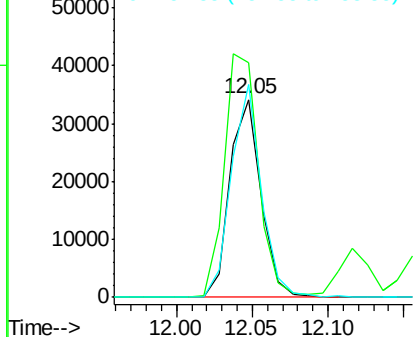
#77
Bromobenzene
Concen: 5.13 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:156 Resp: 48534
Ion Ratio Lower Upper
156 100
77 118.4 68.0 203.8
158 107.6 47.7 143.1

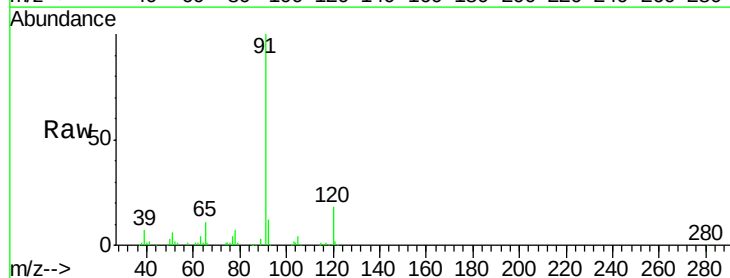


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

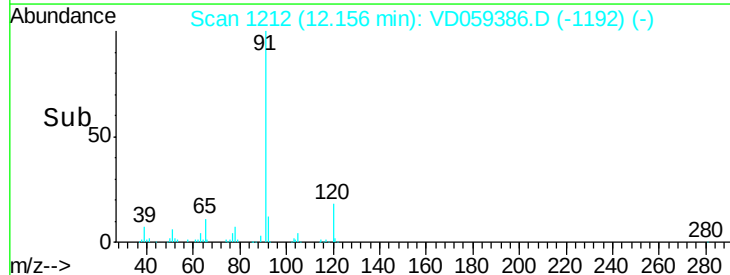
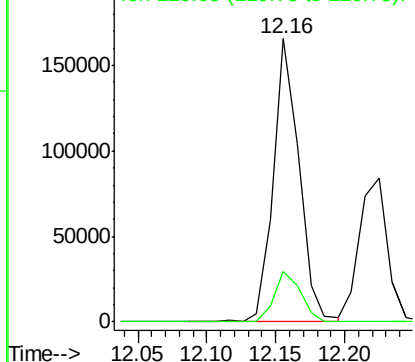


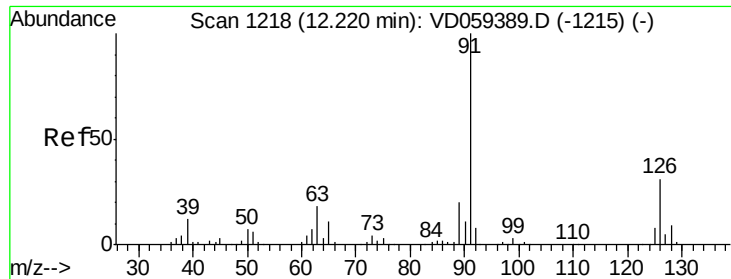
#78
n-propylbenzene
Concen: 5.31 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 91 Resp: 214142
Ion Ratio Lower Upper
91 100
120 18.0 10.0 29.8



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

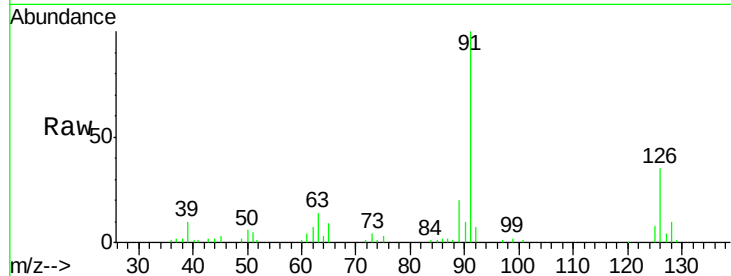




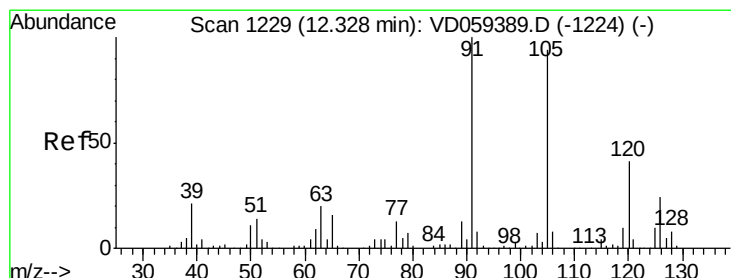
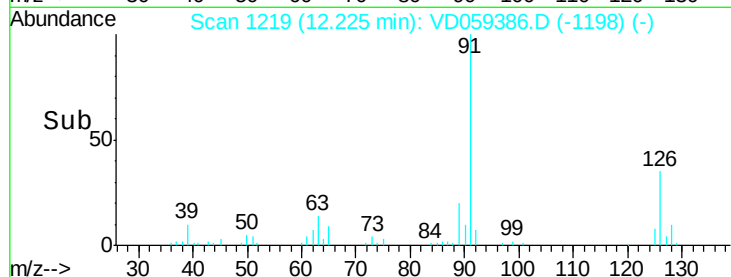
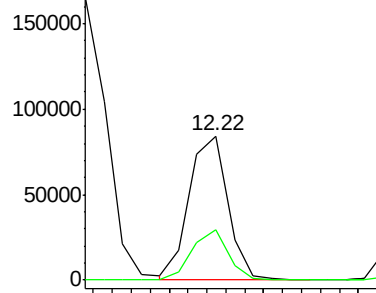
#79
 2-Chlorotoluene
 Concen: 5.14 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 118966
 Ion Ratio Lower Upper
 91 100
 126 35.0 15.2 45.5

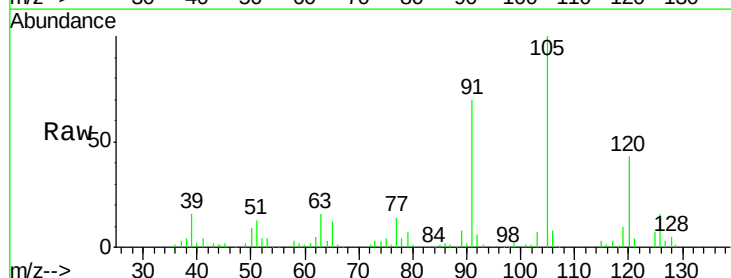


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

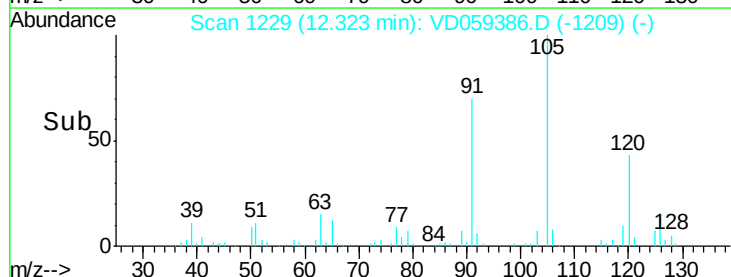
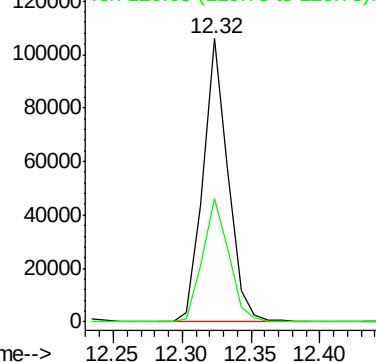


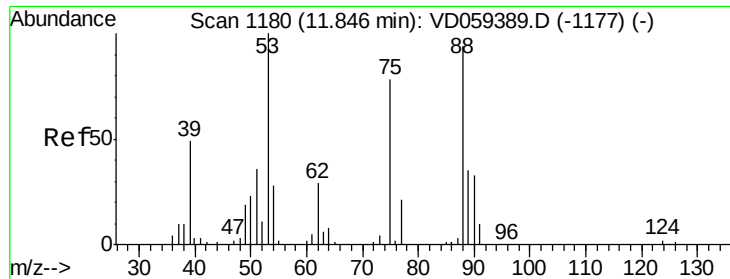
#80
 1,3,5-Trimethylbenzene
 Concen: 5.47 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 105 Resp: 133364
 Ion Ratio Lower Upper
 105 100
 120 43.4 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: 3.88 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

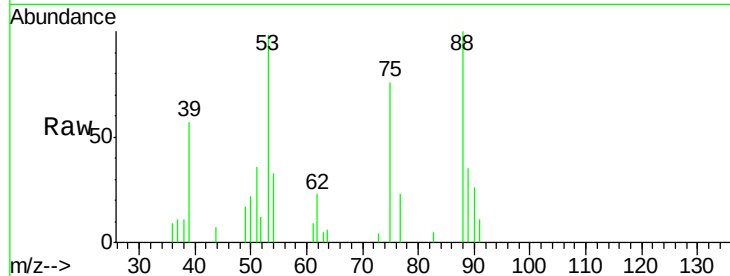
Tot Ion: 75 Resp: 7018

Ion Ratio Lower Upper

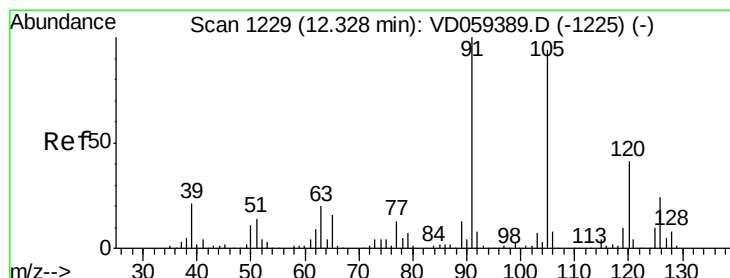
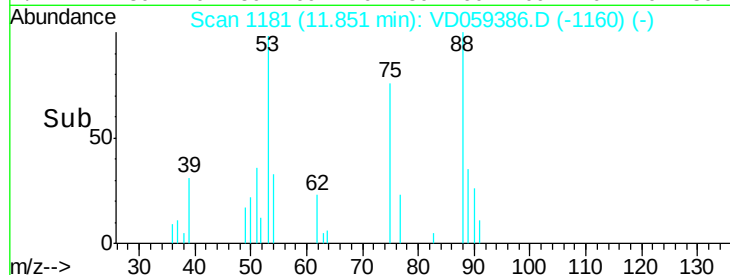
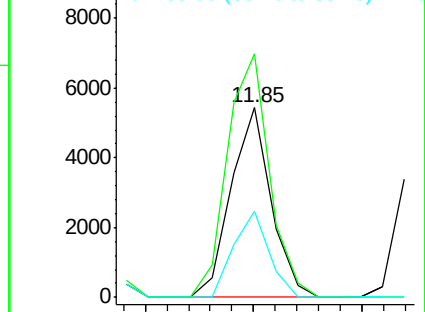
75 100

53 128.5 102.6 154.0

89 45.7 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: 5.58 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059386.D

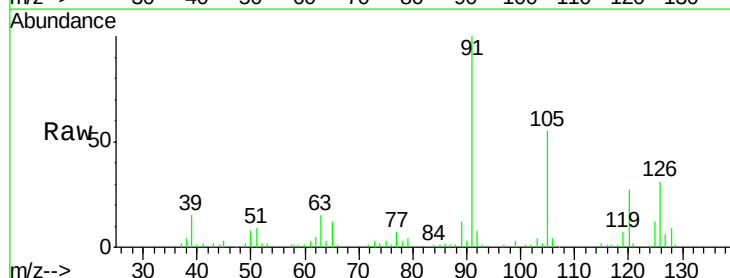
Acq: 24 Jun 2018 23:54

Tgt Ion: 91 Resp: 144998

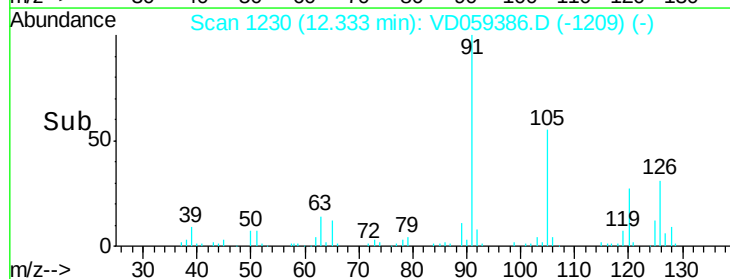
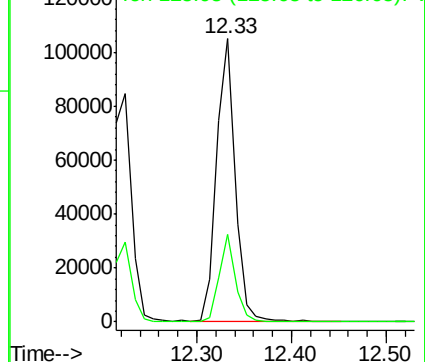
Ion Ratio Lower Upper

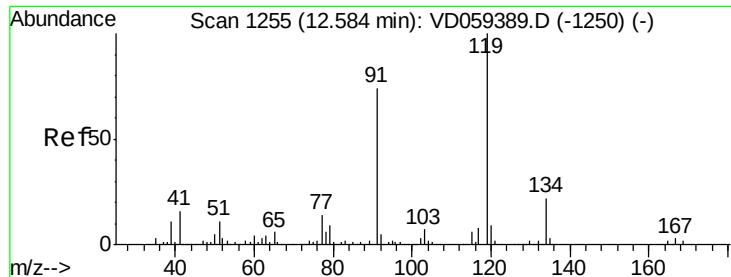
91 100

126 30.8 12.2 36.6



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

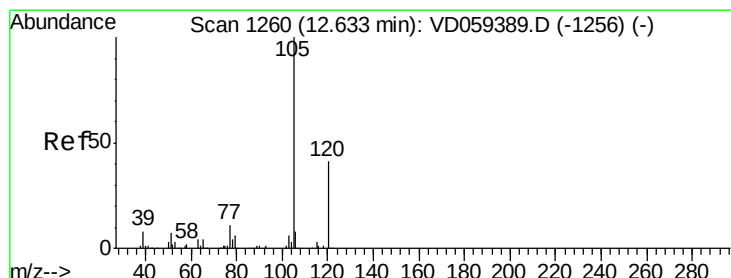
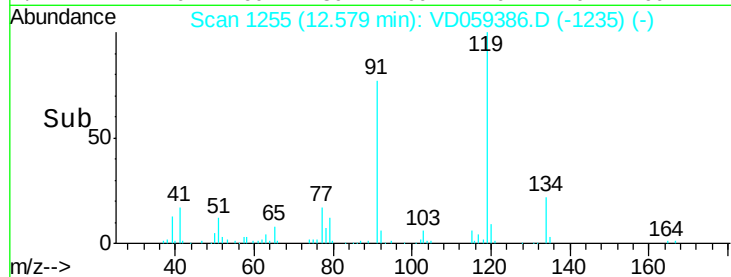
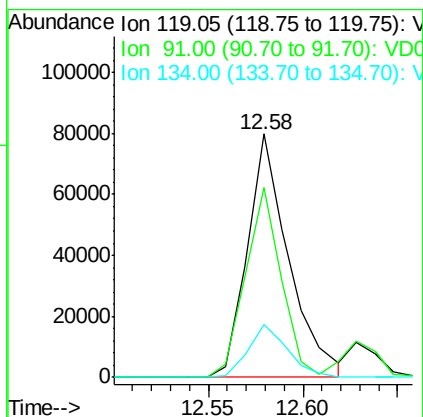
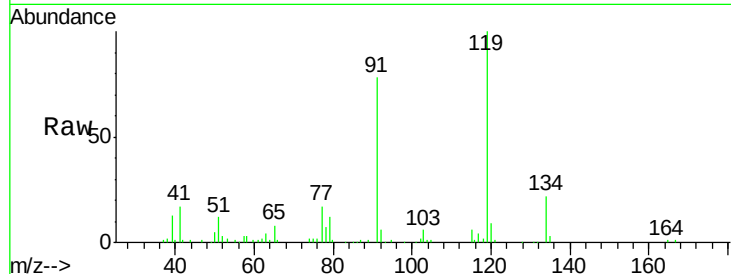




#83
 tert-Butylbenzene
 Concen: 4.33 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

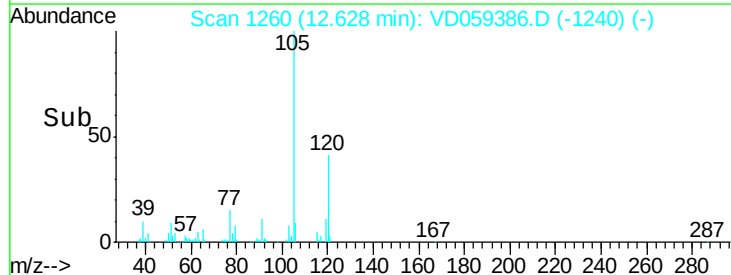
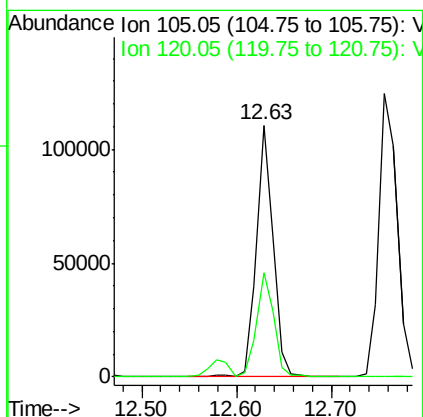
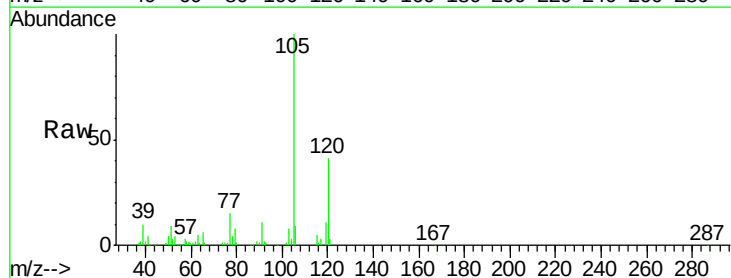
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

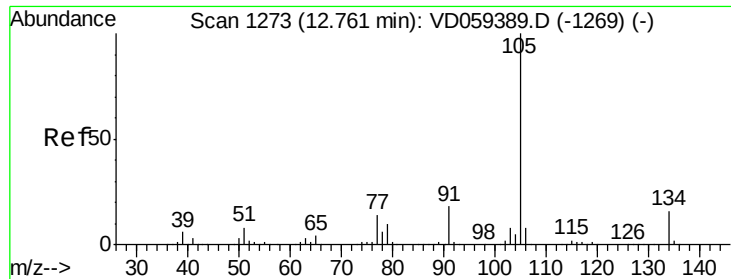
Tot Ion:119 Resp: 120860
 Ion Ratio Lower Upper
 119 100
 91 77.9 36.9 110.7
 134 21.5 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.11 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion:105 Resp: 135799
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.5 64.5





#85

sec-Butylbenzene

Concen: 5.17 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

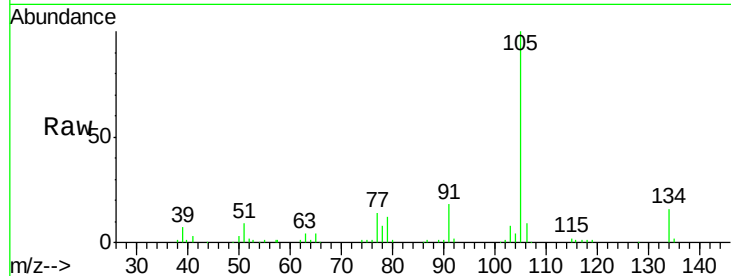
VSTDIC005

Tot Ion:105 Resp: 169848

Ion Ratio Lower Upper

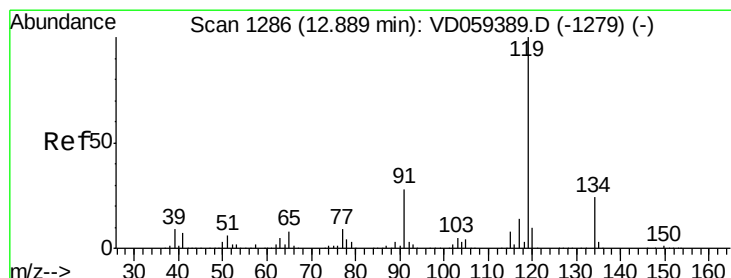
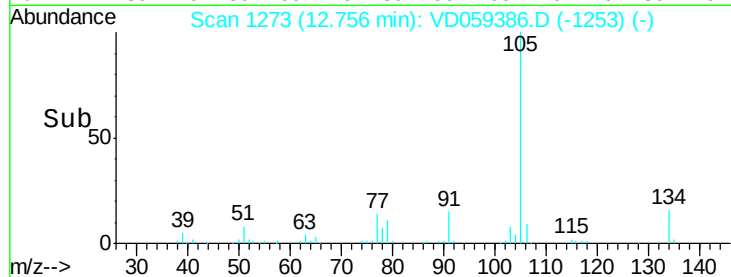
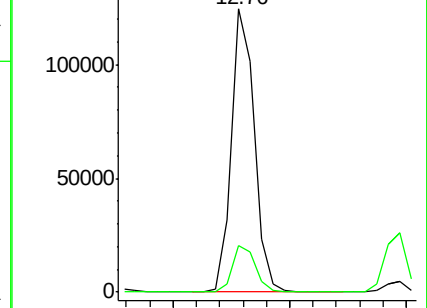
105 100

134 16.5 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.01 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

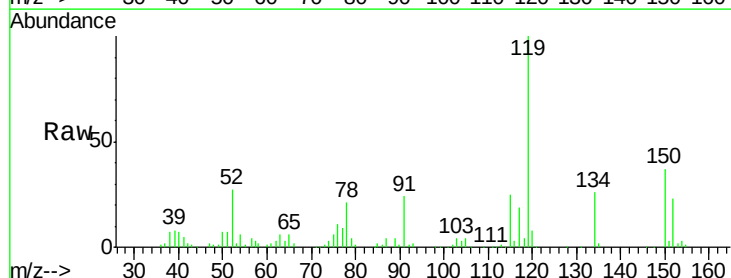
Tgt Ion:119 Resp: 133640

Ion Ratio Lower Upper

119 100

134 26.0 11.9 35.5

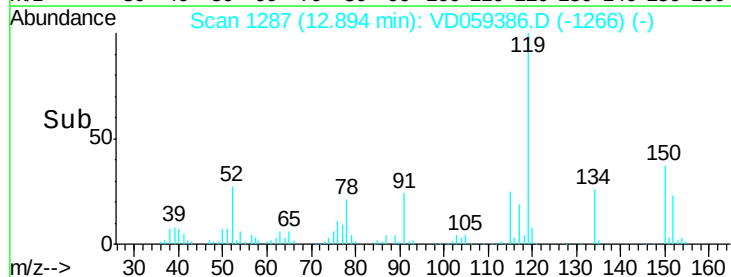
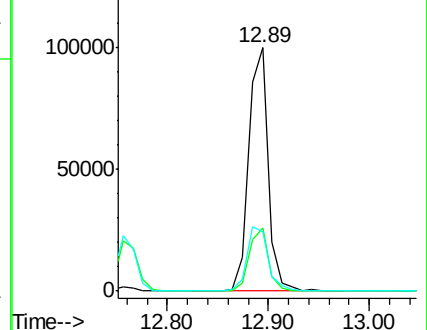
91 24.3 14.1 42.4

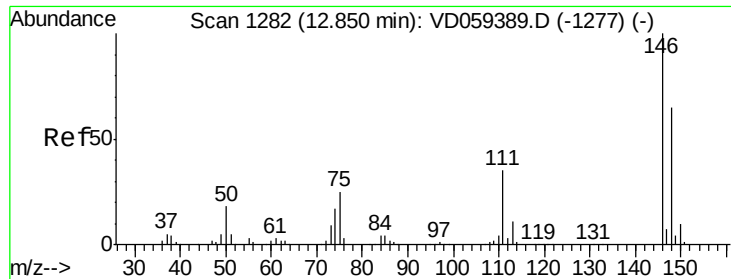


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

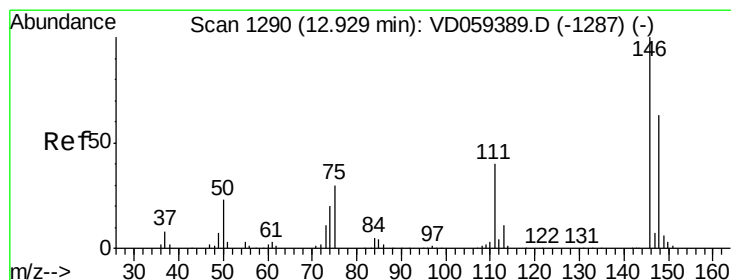
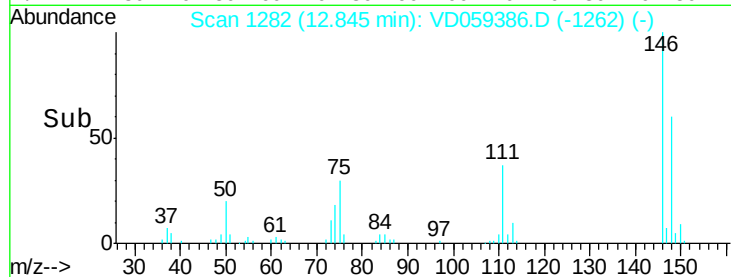
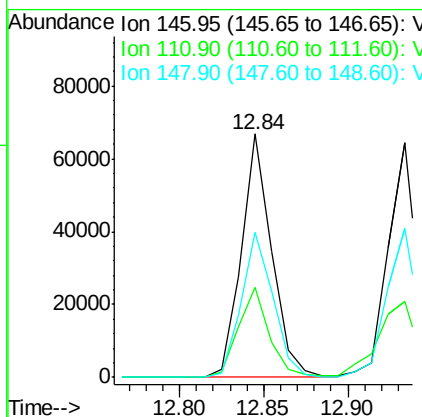
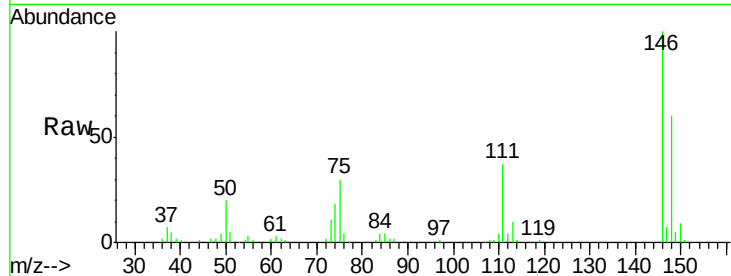




#87
 1,3-Dichlorobenzene
 Concen: 5.12 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

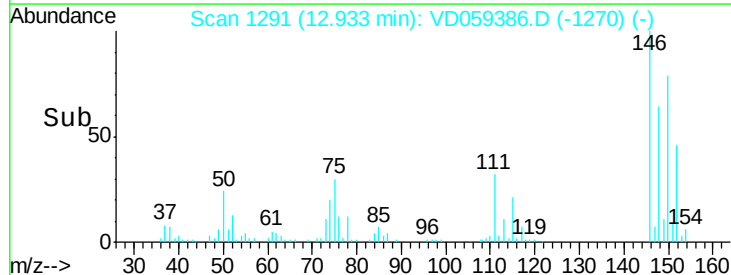
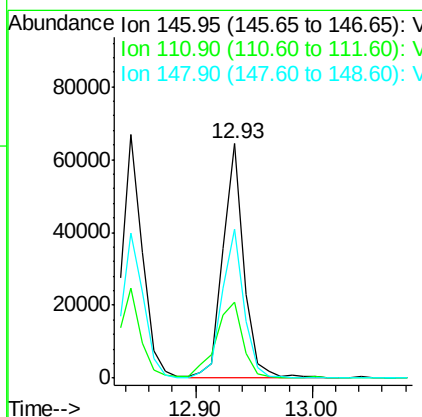
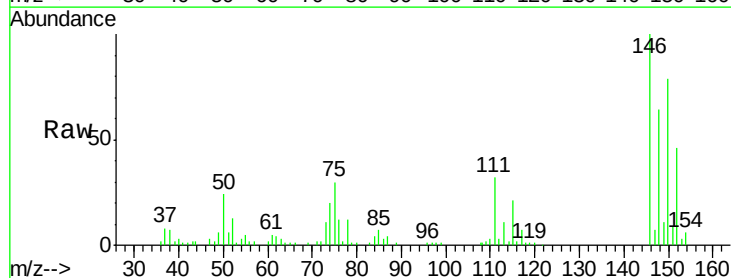
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

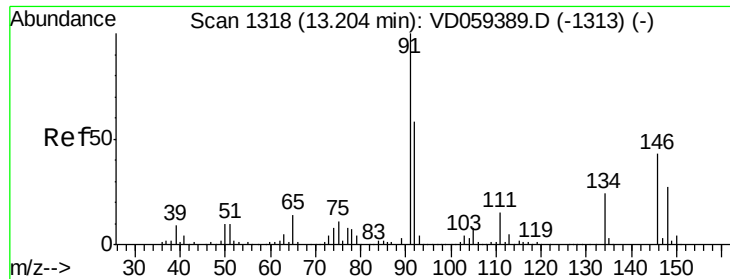
Tot Ion:146 Resp: 83447
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.6 52.8
 148 59.6 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 5.05 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion:146 Resp: 80375
 Ion Ratio Lower Upper
 146 100
 111 32.4 20.1 60.2
 148 63.9 31.4 94.0

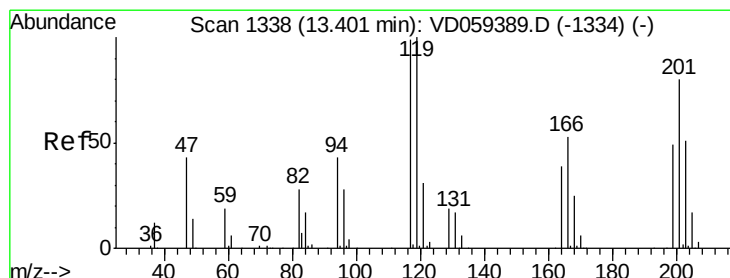
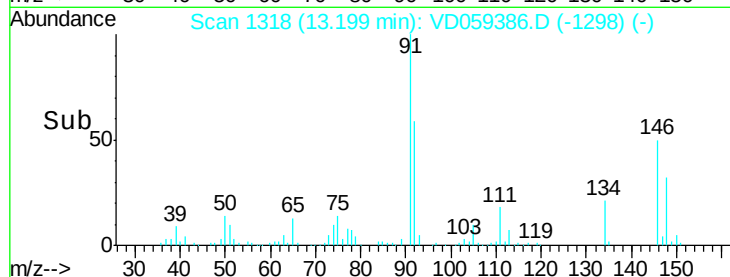
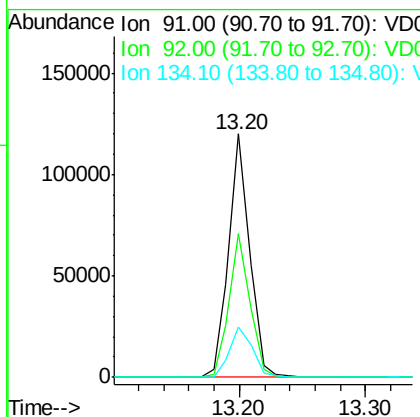
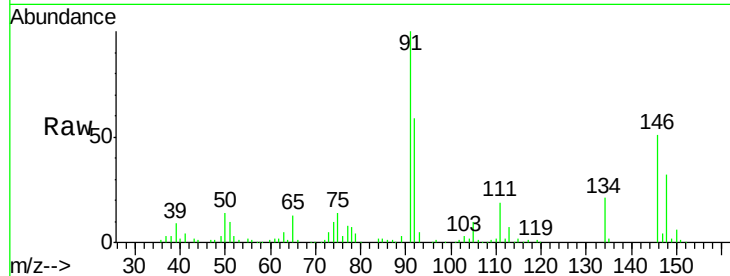




#89
n-Butylbenzene
Concen: 5.00 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

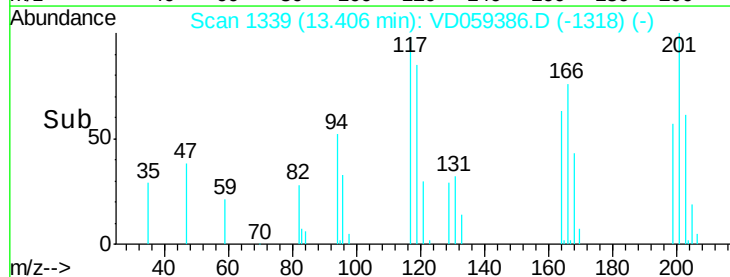
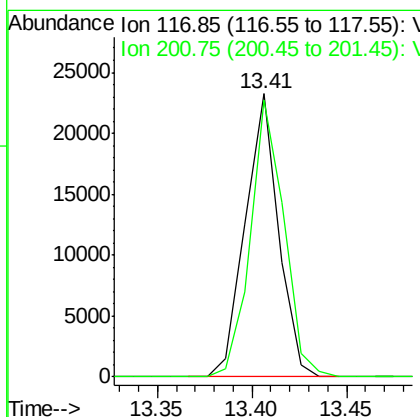
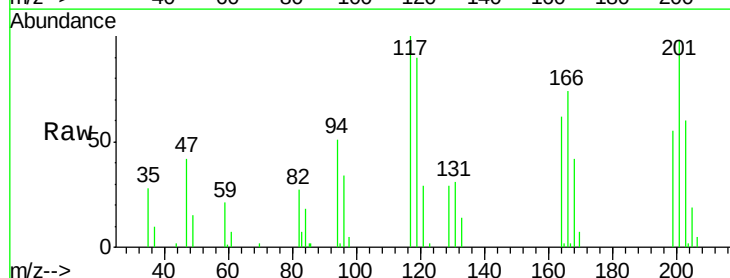
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

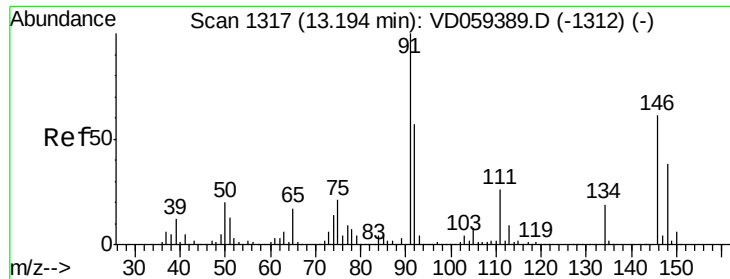
Tot Ion: 91 Resp: 138303
Ion Ratio Lower Upper
91 100
92 59.2 28.8 86.5
134 20.8 11.9 35.7



#90
Hexachloroethane
Concen: 4.10 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion: 117 Resp: 28208
Ion Ratio Lower Upper
117 100
201 97.9 40.1 120.3

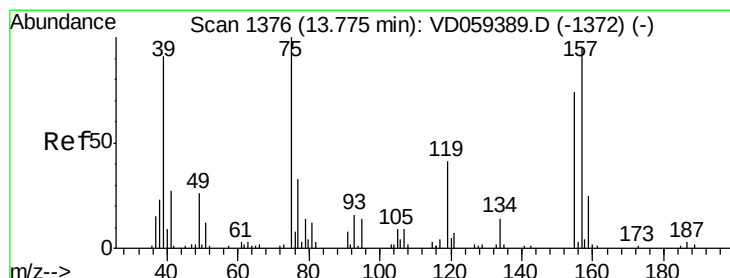
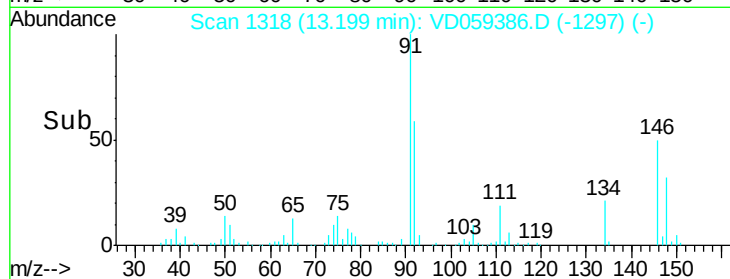
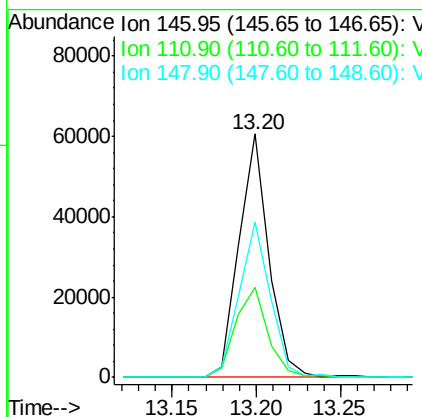
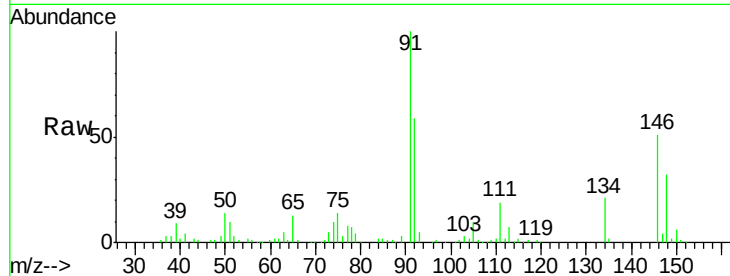




#91
 1,2-Dichlorobenzene
 Concen: 5.41 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

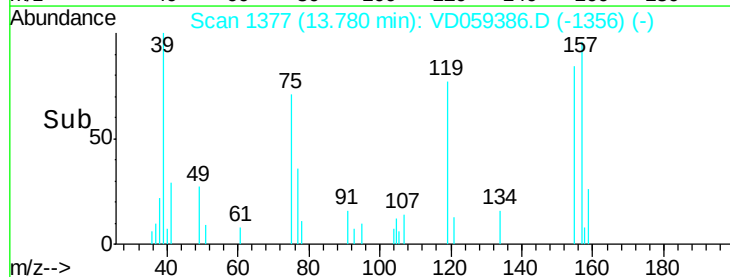
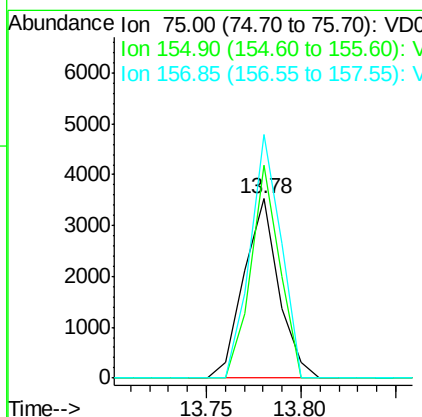
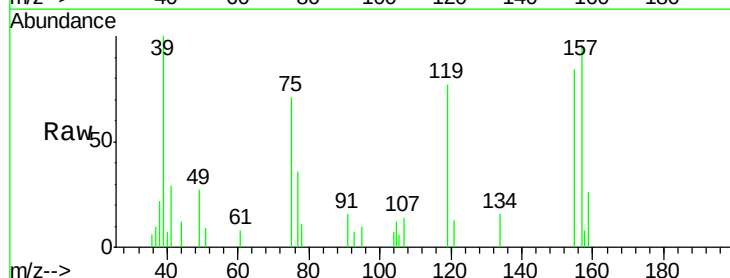
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

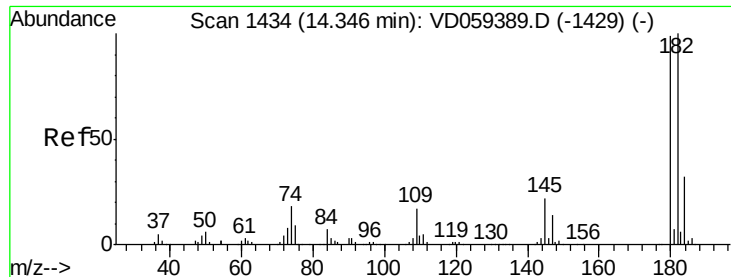
Tot Ion:146 Resp: 74478
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.4 64.2
 148 63.6 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.91 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059386.D
 Acq: 24 Jun 2018 23:54

Tgt Ion: 75 Resp: 4507
 Ion Ratio Lower Upper
 75 100
 155 118.6 37.2 111.6#
 157 136.0 47.4 142.2





#93

1,2,4-Trichlorobenzene

Concen: 4.77 ug/l

RT: 14.34 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

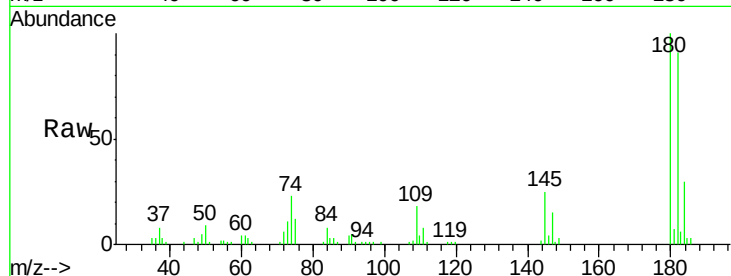
Tot Ion:180 Resp: 62398

Ion Ratio Lower Upper

180 100

182 90.9 50.4 151.2

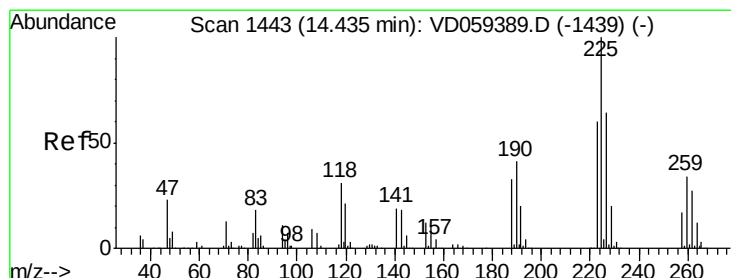
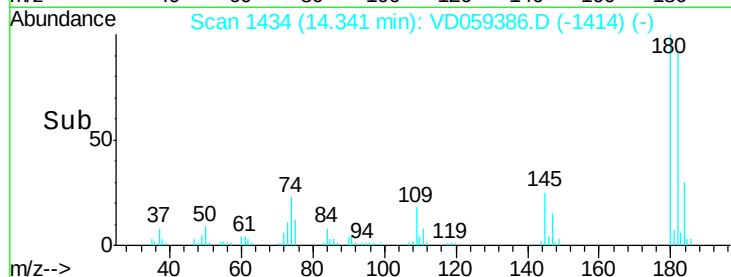
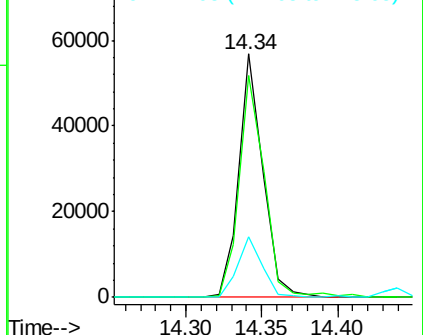
145 24.9 11.0 33.0



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: 4.57 ug/l

RT: 14.44 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VD059386.D

Acq: 24 Jun 2018 23:54

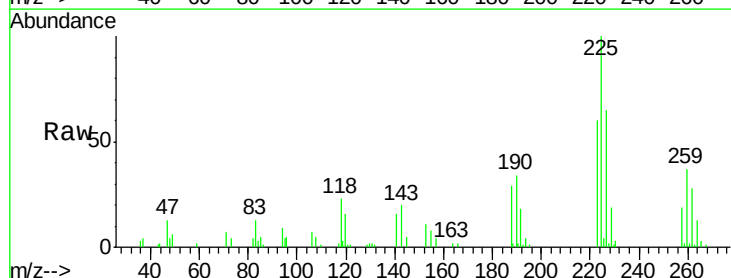
Tgt Ion:225 Resp: 47211

Ion Ratio Lower Upper

225 100

223 60.4 30.0 90.1

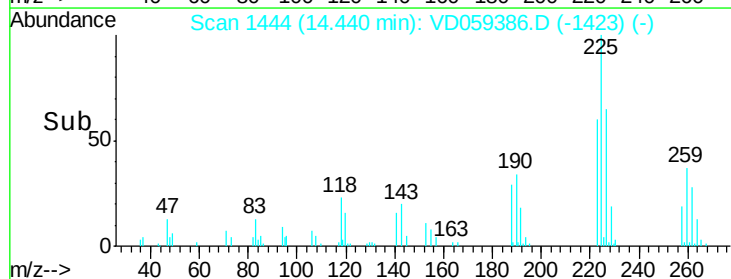
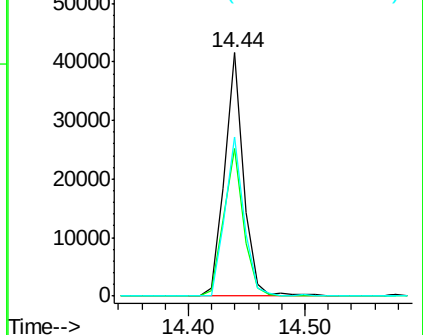
227 65.2 32.1 96.5

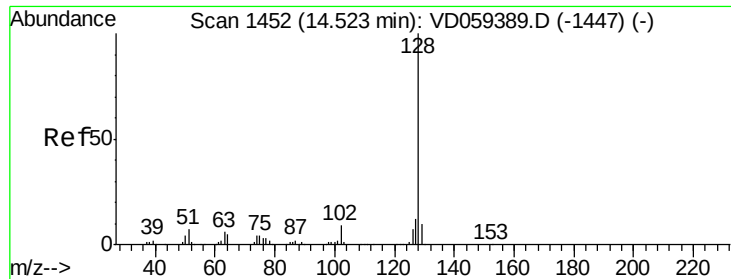


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

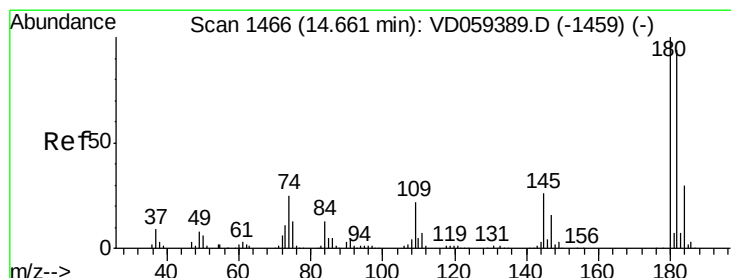
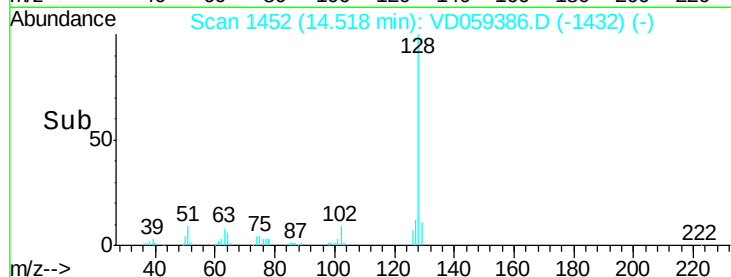
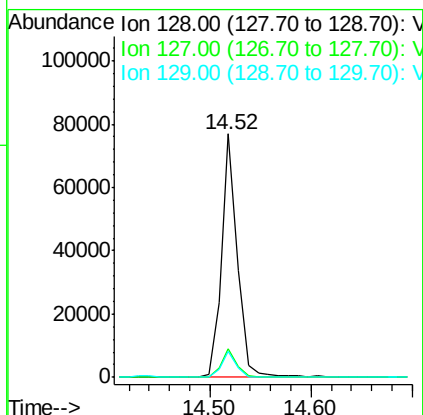
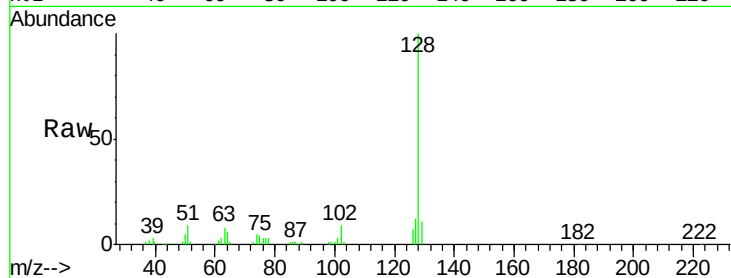




#95
Naphthalene
Concen: 4.91 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 84481
Ion Ratio Lower Upper
128 100
127 11.7 9.6 14.4
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 4.81 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059386.D
Acq: 24 Jun 2018 23:54

Tgt Ion:180 Resp: 55535
Ion Ratio Lower Upper
180 100
182 104.5 47.1 141.4
145 24.0 13.1 39.3

