

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059400.D
 Acq On : 25 Jun 2018 15:47
 Operator : VA/AP
 Sample : VD0625SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 06:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	913895	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1153486	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	947266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	497210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	419513	44.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.78%	
35) Dibromofluoromethane	5.54	113	438102	46.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.26%	
50) Toluene-d8	8.70	98	945390	43.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.93	95	431605	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	195467	24.04	ug/l	96
3) Chloromethane	1.47	50	93994	22.22	ug/l	99
4) Vinyl Chloride	1.54	62	93908	21.39	ug/l	98
5) Bromomethane	1.78	94	30453	18.22	ug/l	95
6) Chloroethane	1.87	64	32906	16.41	ug/l	97
7) Trichlorofluoromethane	2.07	101	135611	21.43	ug/l	99
8) Diethyl Ether	2.33	74	29996	20.94	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	86881	22.09	ug/l	# 88
10) Methyl Iodide	2.67	142	94121	20.49	ug/l	99
11) Tert butyl alcohol	3.26	59	28545	88.29	ug/l	99
12) 1,1-Dichloroethene	2.53	96	65440	21.73	ug/l	89
13) Acrolein	2.46	56	36578	126.55	ug/l	95
14) Allyl chloride	2.91	41	147042	21.33	ug/l	94
15) Acrylonitrile	3.34	53	93546	94.27	ug/l	96
16) Acetone	2.61	43	142113	120.48	ug/l	93
17) Carbon Disulfide	2.74	76	201920	21.89	ug/l	100
18) Methyl Acetate	2.92	43	54627	20.18	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	228051	15.39	ug/l	95
20) Methylene Chloride	3.05	84	81135	23.48	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	80500	15.12	ug/l	83
22) Diisopropyl ether	4.05	45	499068	19.24	ug/l	97
23) Vinyl Acetate	4.00	43	1457209	107.85	ug/l	99
24) 1,1-Dichloroethane	3.95	63	303125	20.43	ug/l	97
25) 2-Butanone	4.83	43	265117	107.30	ug/l	97
26) 2,2-Dichloropropane	4.78	77	270019	23.46	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	184057	20.57	ug/l	89
28) Bromochloromethane	5.14	49	124434	19.34	ug/l	99
29) Tetrahydrofuran	5.17	42	137906	102.04	ug/l	99
30) Chloroform	5.31	83	321644	19.89	ug/l	98
31) Cyclohexane	5.58	56	242489	22.63	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	273573	20.89	ug/l	95
36) 1,1-Dichloropropene	5.74	75	234227	22.38	ug/l	97
37) Ethyl Acetate	4.92	43	126309	19.82	ug/l	# 95
38) Carbon Tetrachloride	5.72	117	231316	21.44	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059400.D
 Acq On : 25 Jun 2018 15:47
 Operator : VA/AP
 Sample : VD0625SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 06:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	223936	22.56	ug/l	99
40) Benzene	6.00	78	532377	21.20	ug/l	100
41) Methacrylonitrile	5.12	41	65421	21.31	ug/l	94
42) 1,2-Dichloroethane	6.12	62	224558	20.24	ug/l	98
43) Isopropyl Acetate	7.61	43	165441	20.67	ug/l #	99
44) Trichloroethene	6.98	130	176048	21.41	ug/l	92
45) 1,2-Dichloropropane	7.34	63	142676	20.52	ug/l	96
46) Dibromomethane	7.45	93	100521	20.10	ug/l	90
47) Bromodichloromethane	7.73	83	230979	20.64	ug/l	98
48) Methyl methacrylate	7.50	41	100866	20.69	ug/l	91
49) 1,4-Dioxane	7.49	88	19552	399.87	ug/l	93
51) 4-Methyl-2-Pentanone	8.59	43	557764	104.59	ug/l	100
52) Toluene	8.80	92	314256	20.95	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	200371	21.43	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	229602	21.20	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	114798	21.08	ug/l	98
56) Ethyl methacrylate	9.31	69	127772	20.57	ug/l	97
57) 1,3-Dichloropropane	9.65	76	178848	20.08	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.18	63	340104	106.34	ug/l	94
59) 2-Hexanone	9.78	43	426171	112.44	ug/l	96
60) Dibromochloromethane	9.95	129	148555	19.48	ug/l	99
61) 1,2-Dibromoethane	10.09	107	123189	20.32	ug/l	97
64) Tetrachloroethene	9.51	164	161305	19.41	ug/l	93
65) Chlorobenzene	10.72	112	366200	21.14	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	139504	20.98	ug/l	94
67) Ethyl Benzene	10.86	91	646855	22.13	ug/l	99
68) m/p-Xylenes	11.01	106	440035	45.38	ug/l	91
69) o-Xylene	11.40	106	215170	22.44	ug/l	97
70) Styrene	11.43	104	357567	21.76	ug/l	98
71) Bromoform	11.59	173	108228	19.65	ug/l	98
73) Isopropylbenzene	11.77	105	600905	21.42	ug/l	98
74) N-amyl acetate	11.64	43	222672	20.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	134557	20.44	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	142565	20.79	ug/l	97
77) Bromobenzene	12.04	156	188164	21.31	ug/l	92
78) n-propylbenzene	12.14	91	790804	22.25	ug/l	94
79) 2-Chlorotoluene	12.21	91	463571	22.21	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	479122	21.45	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	33679	21.61	ug/l	89
82) 4-Chlorotoluene	12.32	91	509224	21.52	ug/l	95
83) tert-Butylbenzene	12.57	119	553524	23.30	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	499949	21.15	ug/l	96
85) sec-Butylbenzene	12.76	105	646062	22.16	ug/l	95
86) p-Isopropyltoluene	12.88	119	525393	22.36	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	317419	21.85	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	312276	21.78	ug/l	96
89) n-Butylbenzene	13.19	91	559376	24.11	ug/l	97
90) Hexachloroethane	13.39	117	129502	22.09	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	270729	21.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21446	19.76	ug/l	75

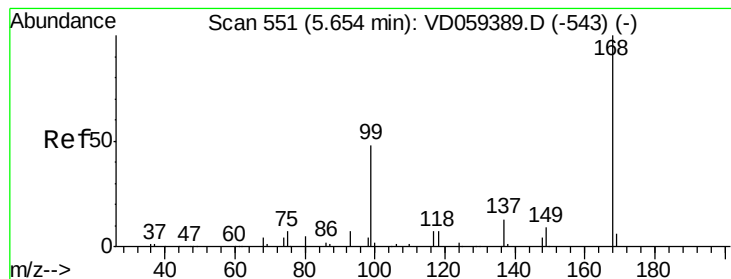
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059400.D
Acq On : 25 Jun 2018 15:47
Operator : VA/AP
Sample : VD0625SBS02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Quant Time: Jun 26 06:46:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	264298	23.21	ug/l	96
94) Hexachlorobutadiene	14.43	225	192647	22.48	ug/l	97
95) Naphthalene	14.52	128	337371	21.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	227322	22.20	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

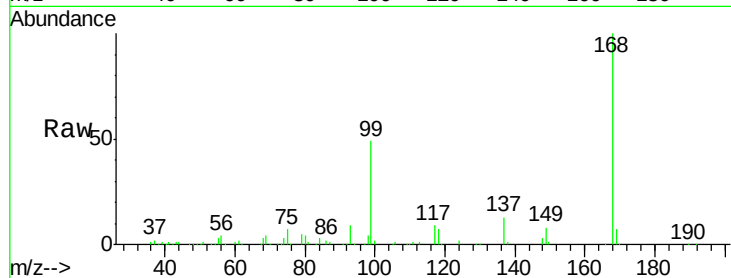
VD0625SBS02

Tot Ion:168 Resp: 913895

Ion Ratio Lower Upper

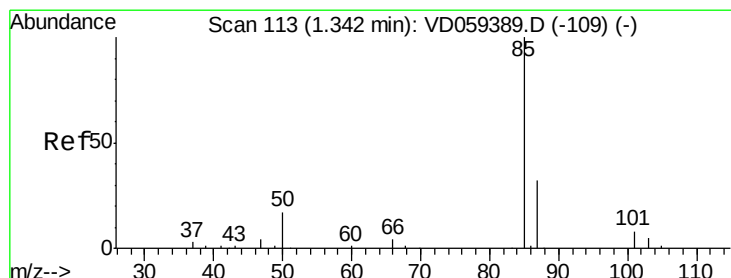
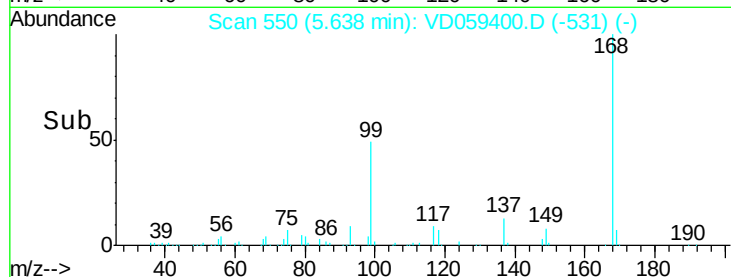
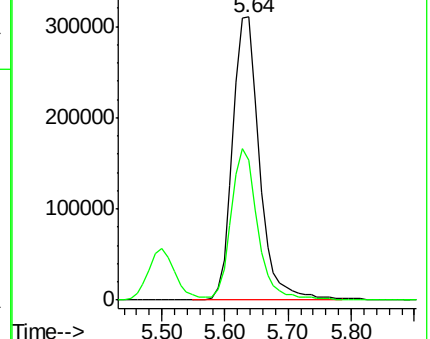
168 100

99 49.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.04 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.02 min

Lab File: VD059400.D

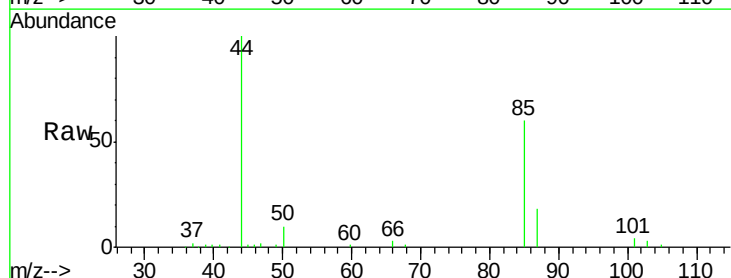
Acq: 25 Jun 2018 15:47

Tgt Ion: 85 Resp: 195467

Ion Ratio Lower Upper

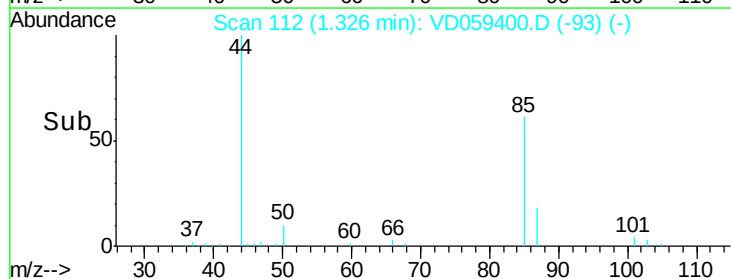
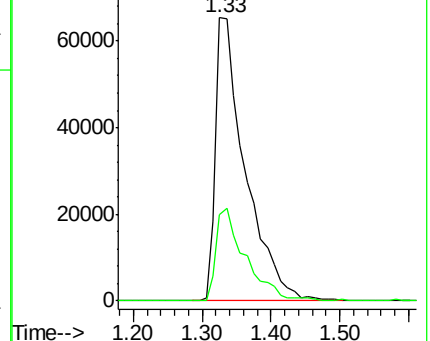
85 100

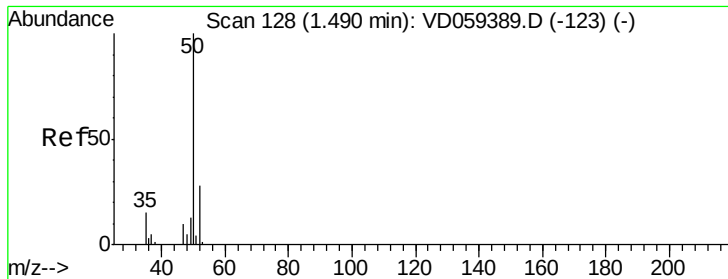
87 30.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.22 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

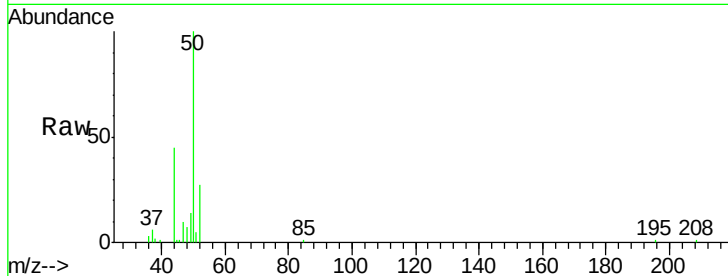
VD0625SBS02

Tot Ion: 50 Resp: 93994

Ion Ratio Lower Upper

50 100

52 26.9 21.8 32.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.47

30000

25000

20000

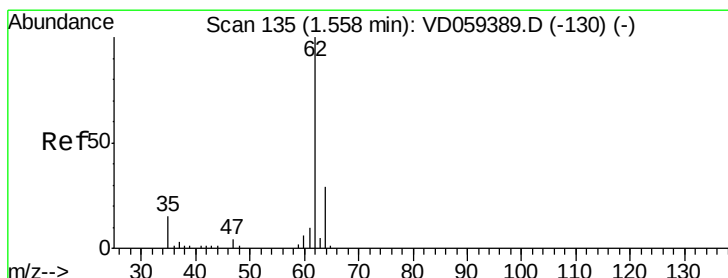
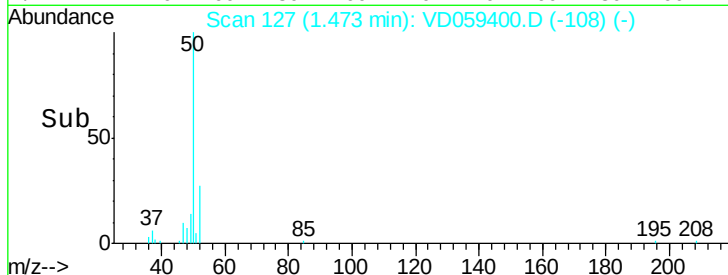
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 21.39 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.02 min

Lab File: VD059400.D

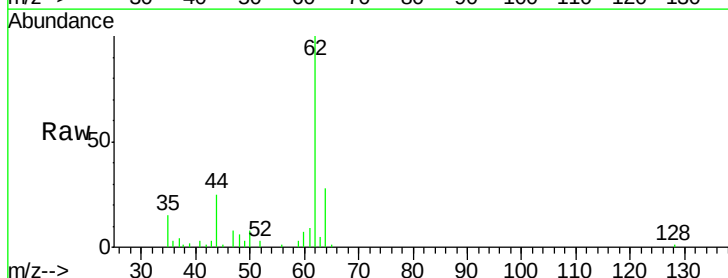
Acq: 25 Jun 2018 15:47

Tgt Ion: 62 Resp: 93908

Ion Ratio Lower Upper

62 100

64 27.8 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

50000

40000

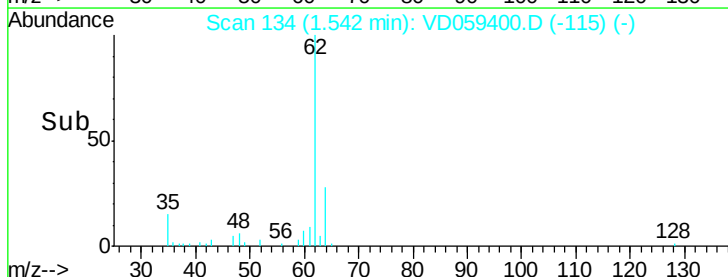
30000

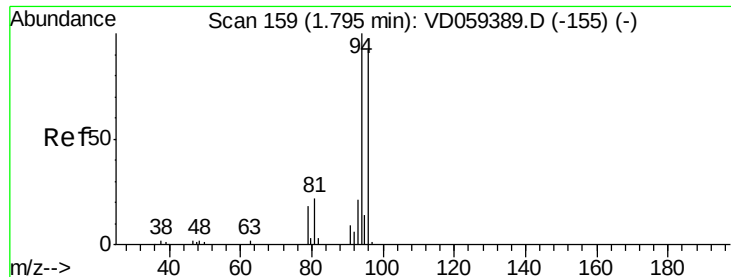
20000

10000

0

Time-->





#5

Bromomethane

Concen: 18.22 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

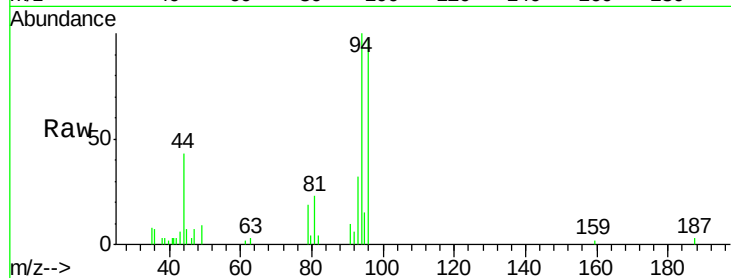
VD0625SBS02

Tot Ion: 94 Resp: 30453

Ion Ratio Lower Upper

94 100

96 96.5 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

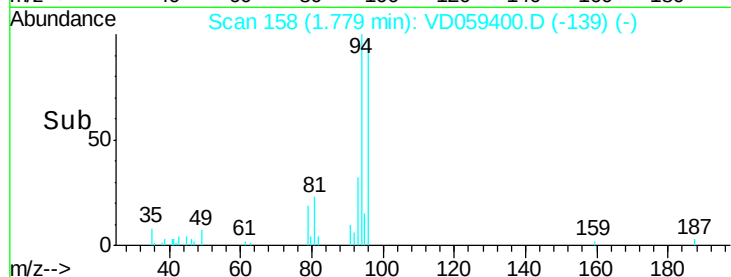
15000

10000

5000

0

Time-->



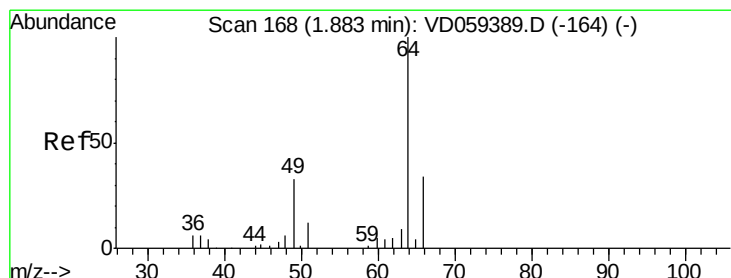
1.78

1.75

1.80

1.85

1.90



#6

Chloroethane

Concen: 16.41 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD059400.D

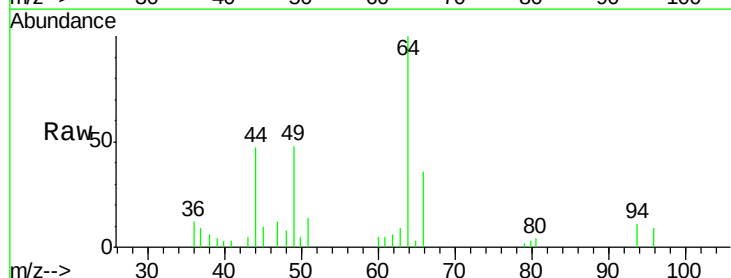
Acq: 25 Jun 2018 15:47

Tgt Ion: 64 Resp: 32906

Ion Ratio Lower Upper

64 100

66 35.8 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

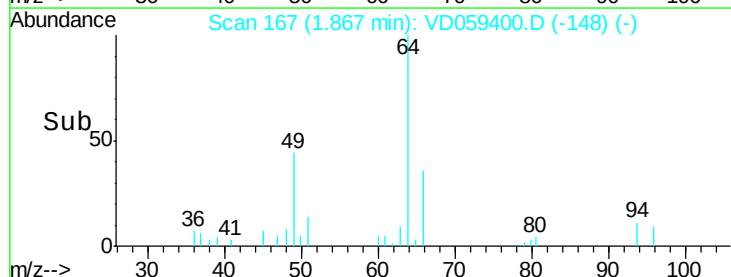
15000

10000

5000

0

Time-->

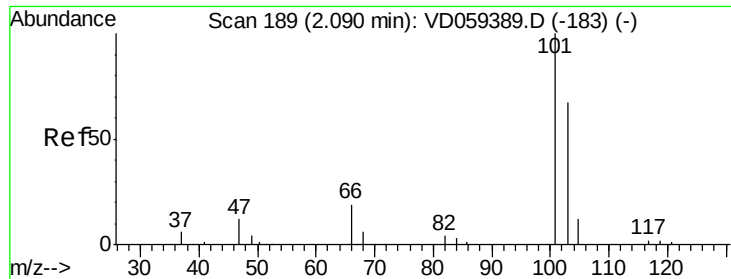


1.87

1.80

1.90

2.00

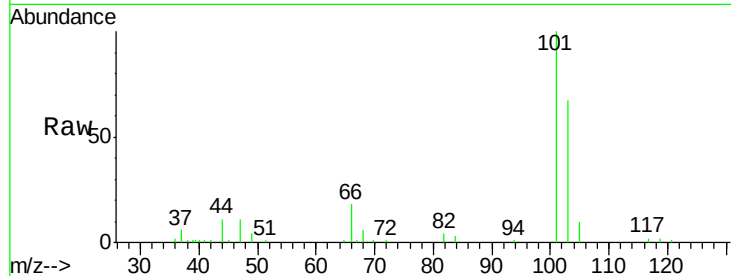


#7

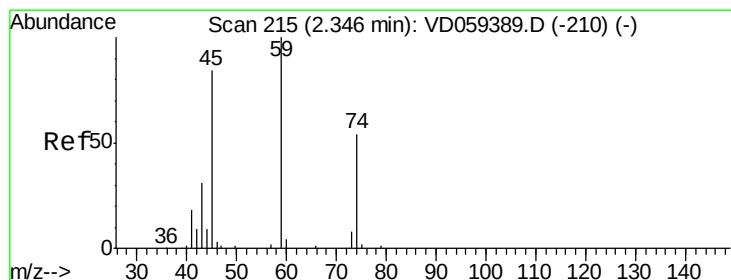
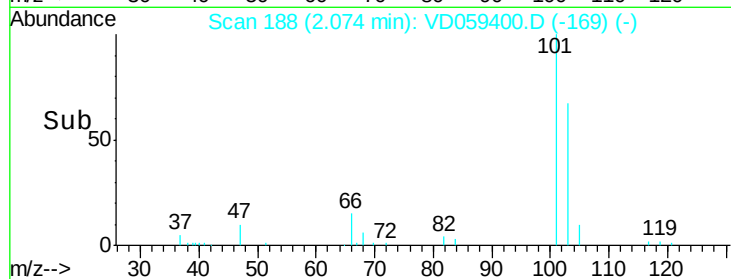
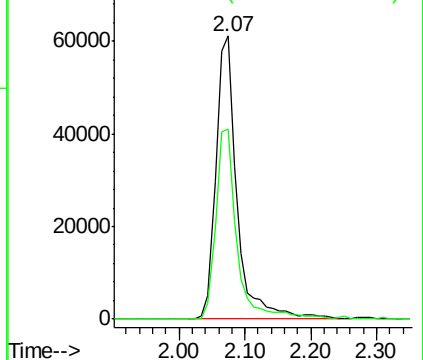
Trichlorofluoromethane
 Concen: 21.43 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Tot Ion:101 Resp: 135611
 Ion Ratio Lower Upper
 101 100
 103 67.2 53.4 80.0



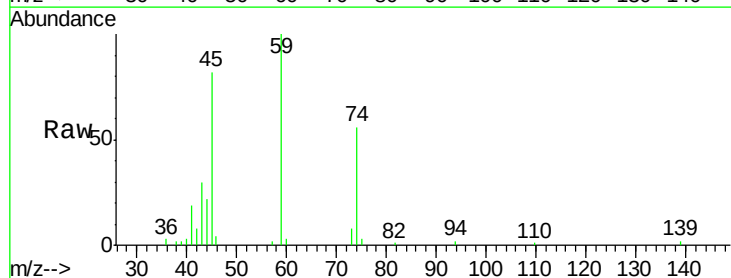
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



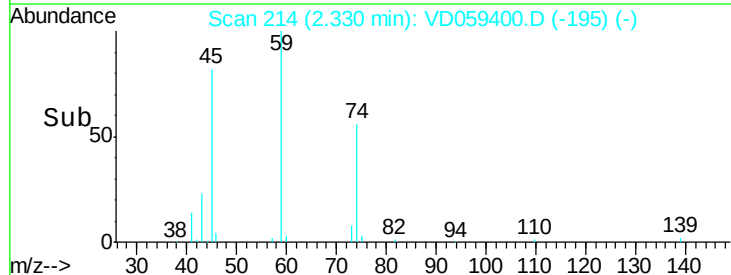
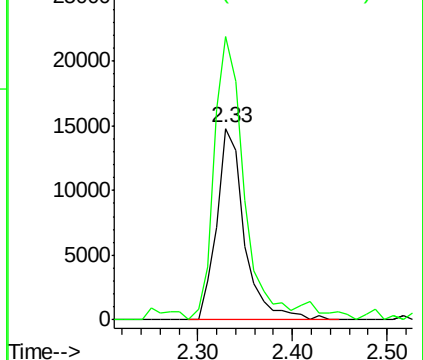
#8

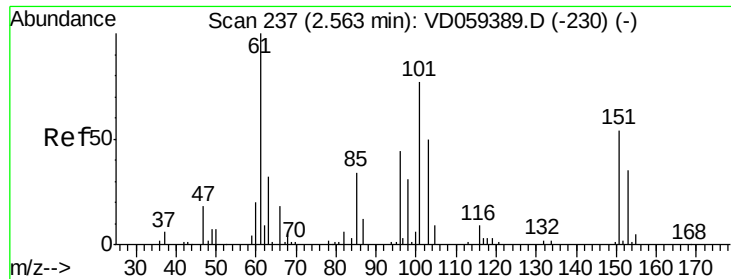
Diethyl Ether
 Concen: 20.94 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 74 Resp: 29996
 Ion Ratio Lower Upper
 74 100
 45 147.9 78.0 233.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.09 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

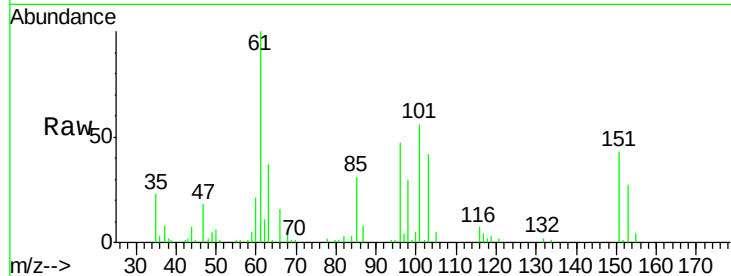
Tot Ion:101 Resp: 86881

Ion Ratio Lower Upper

101 100

85 56.0 35.7 53.5#

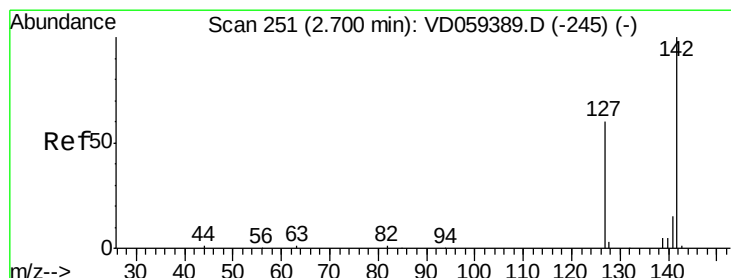
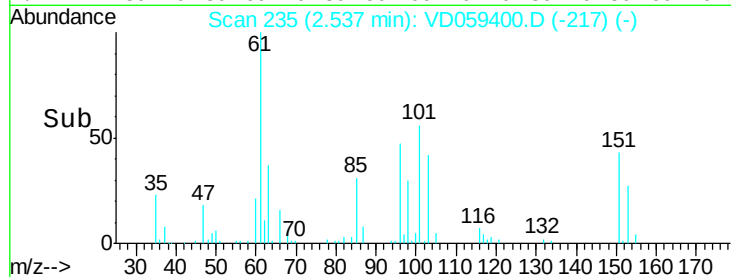
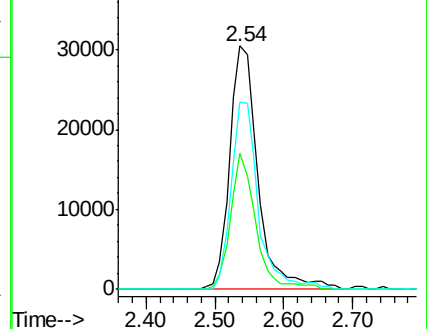
151 76.8 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.49 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

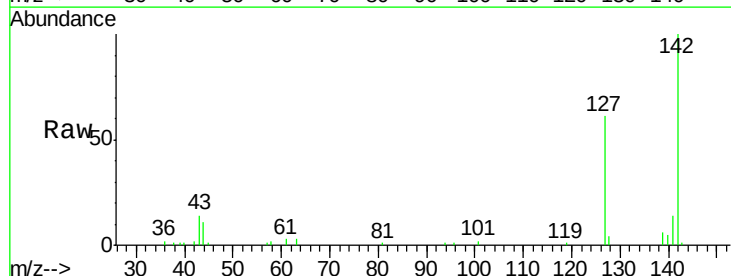
Tgt Ion:142 Resp: 94121

Ion Ratio Lower Upper

142 100

127 60.9 48.4 72.6

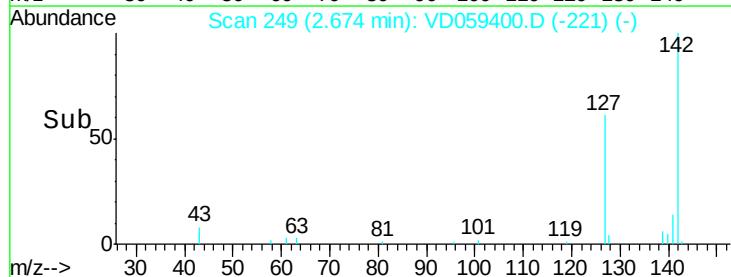
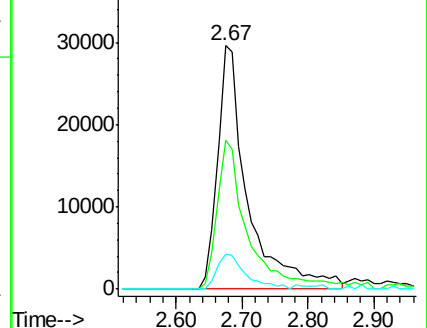
141 14.1 12.1 18.1

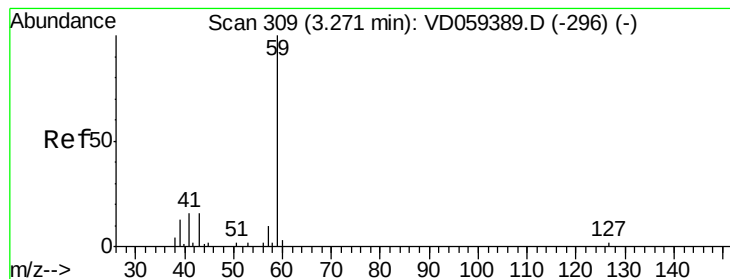


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 88.29 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

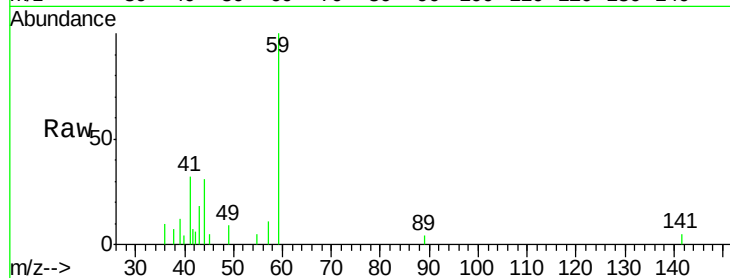
VD0625SBS02

Tot Ion: 59 Resp: 28545

Ion Ratio Lower Upper

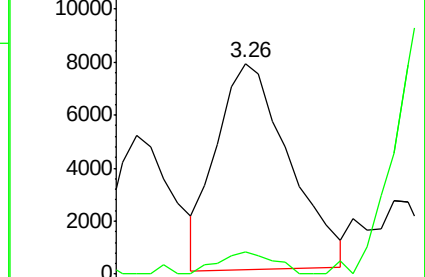
59 100

57 10.8 8.3 12.5

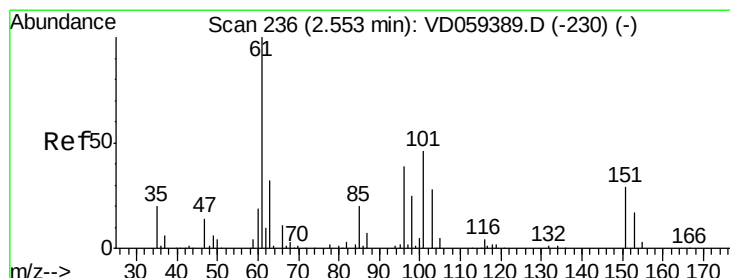
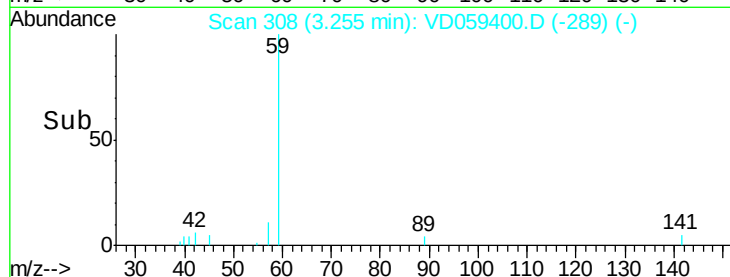


Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->



#12

1,1-Dichloroethene

Concen: 21.73 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

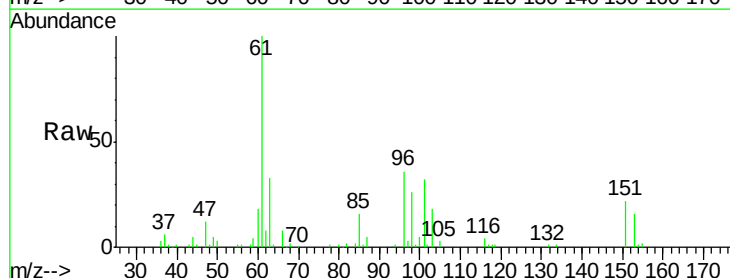
Tgt Ion: 96 Resp: 65440

Ion Ratio Lower Upper

96 100

61 276.0 205.4 308.0

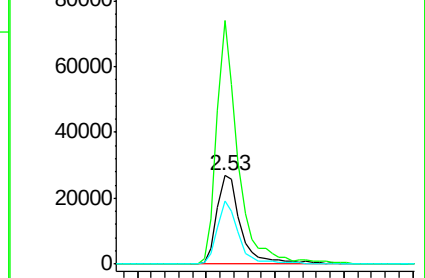
98 71.7 51.0 76.4



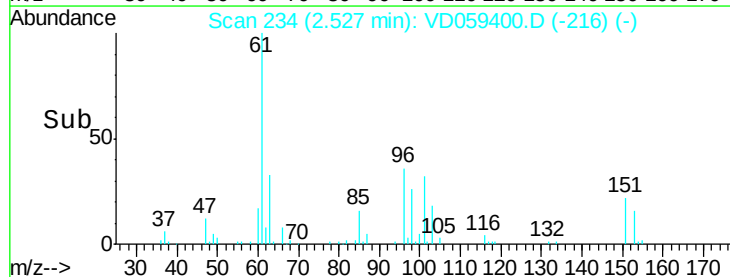
Abundance Ion 95.90 (95.60 to 96.60): VDC

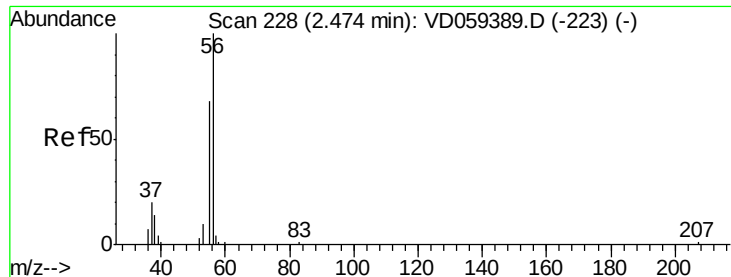
Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



Time-->





#13

Acrolein

Concen: 126.55 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

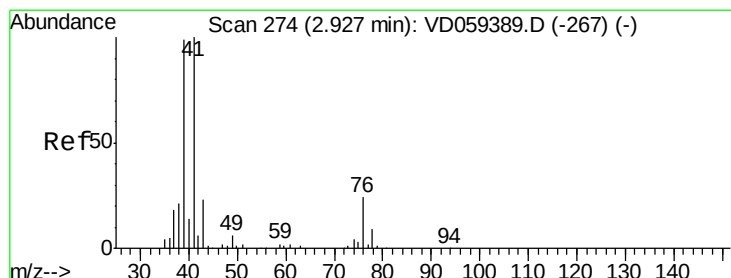
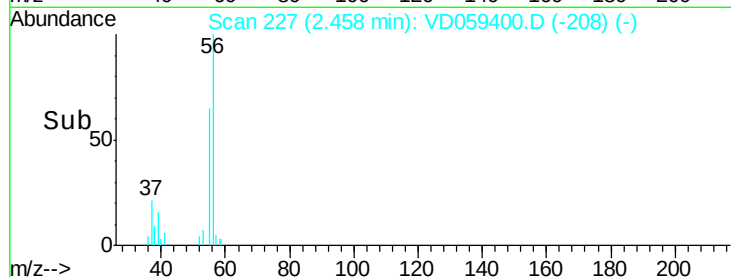
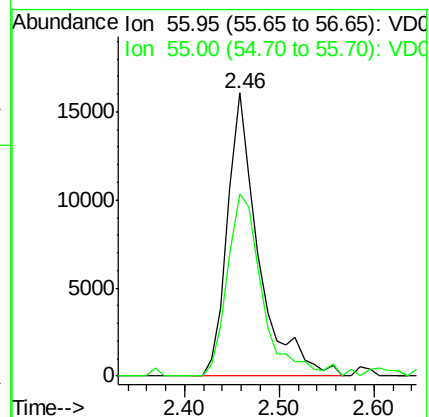
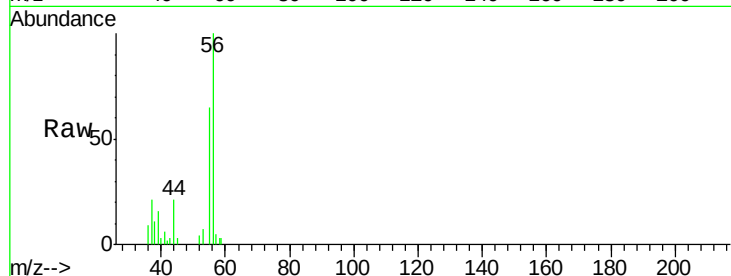
VD0625SBS02

Tot Ion: 56 Resp: 36578

Ion Ratio Lower Upper

56 100

55 64.5 54.6 82.0



#14

Allyl chloride

Concen: 21.33 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

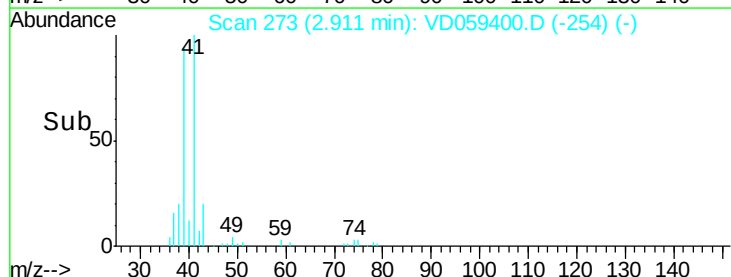
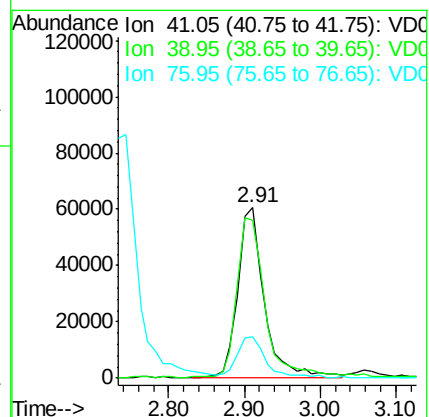
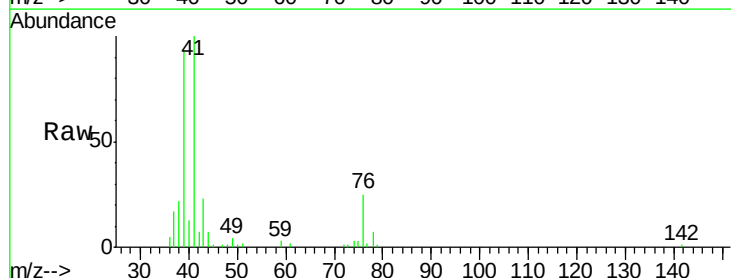
Tgt Ion: 41 Resp: 147042

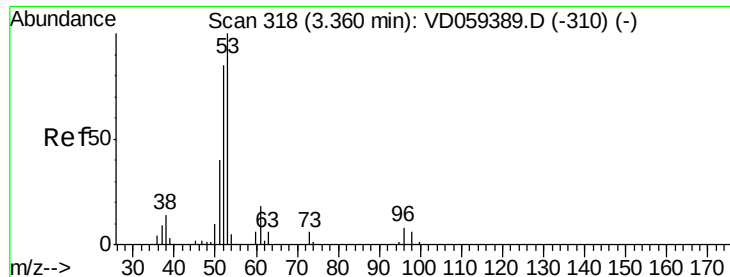
Ion Ratio Lower Upper

41 100

39 93.0 79.1 118.7

76 24.6 21.9 32.9





#15

Acrylonitrile

Concen: 94.27 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

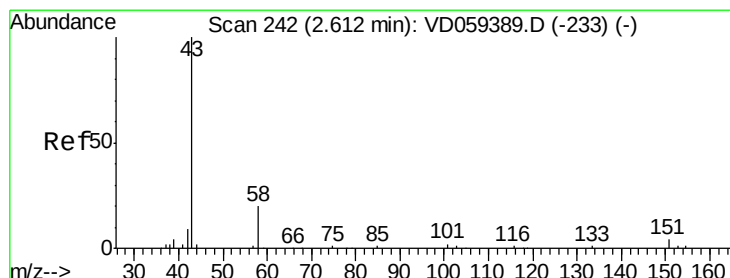
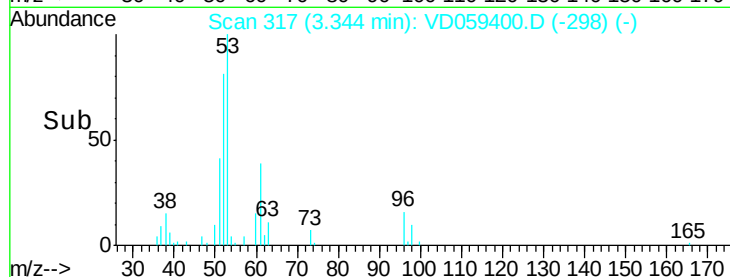
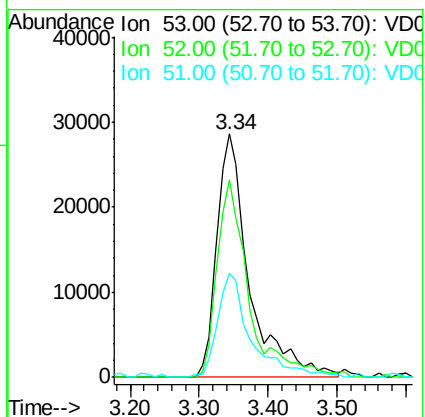
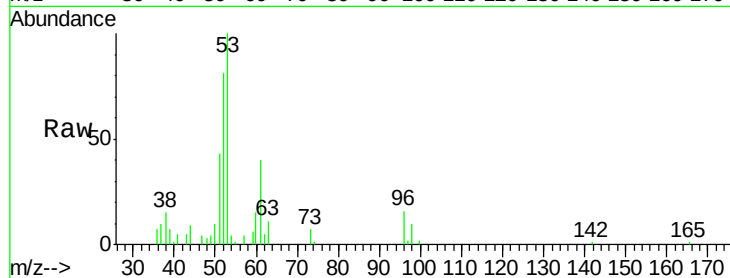
Tot Ion: 53 Resp: 93546

Ion Ratio Lower Upper

53 100

52 81.1 67.9 101.9

51 42.9 32.2 48.4



#16

Acetone

Concen: 120.48 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059400.D

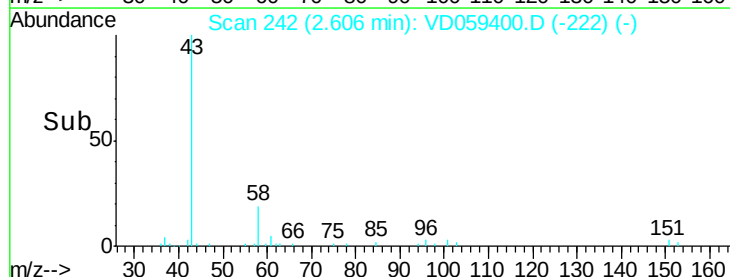
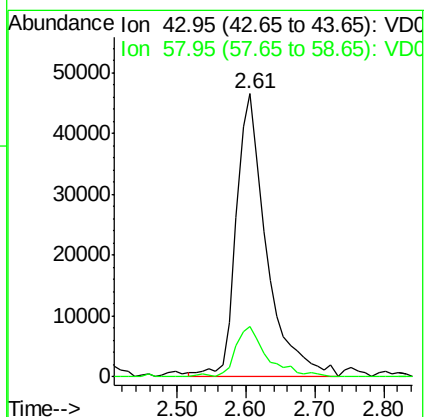
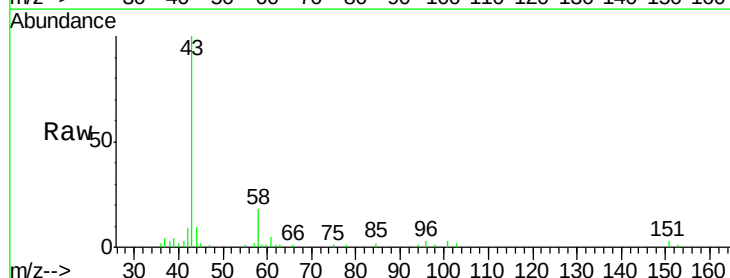
Acq: 25 Jun 2018 15:47

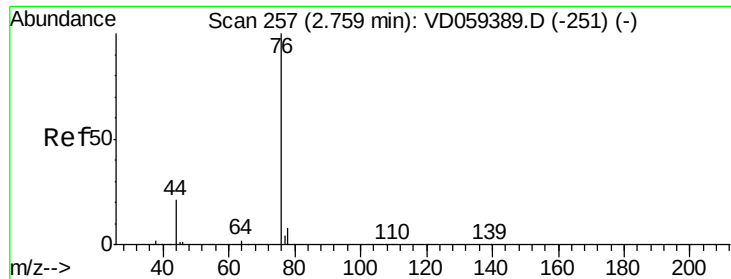
Tgt Ion: 43 Resp: 142113

Ion Ratio Lower Upper

43 100

58 17.9 16.8 25.2

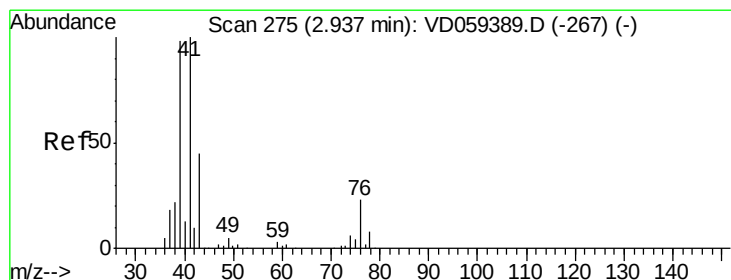
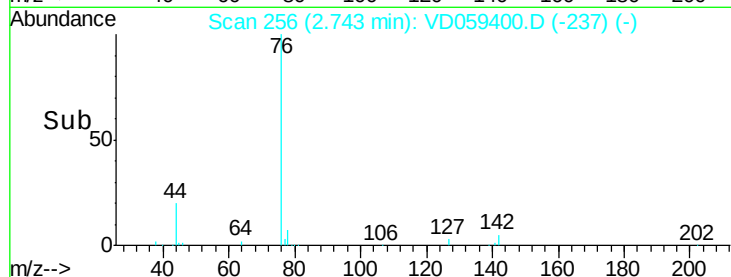
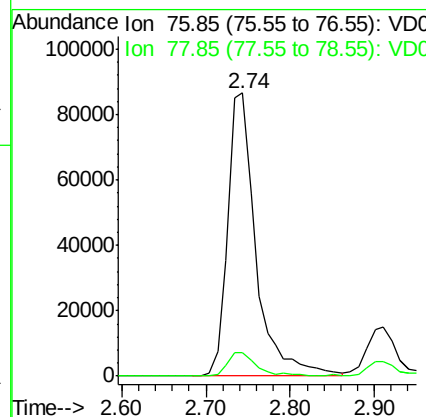
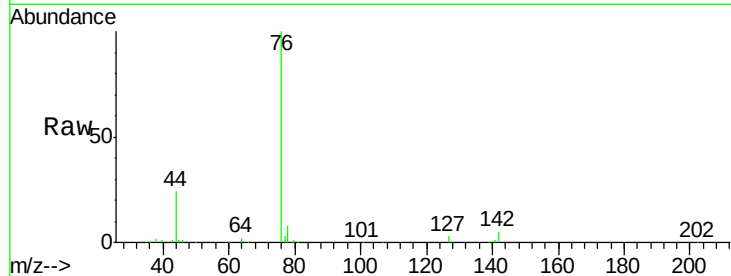




#17
Carbon Disulfide
Concen: 21.89 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

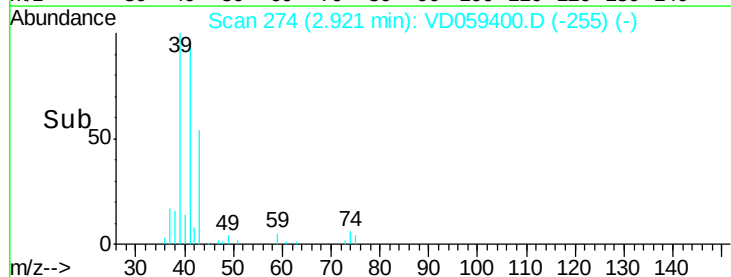
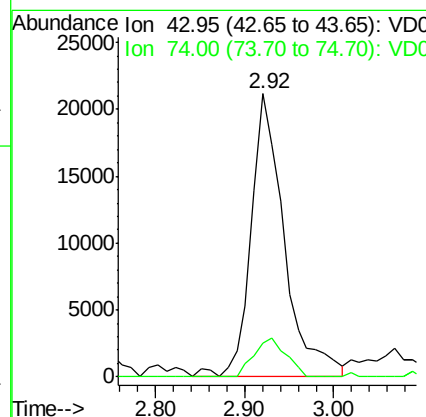
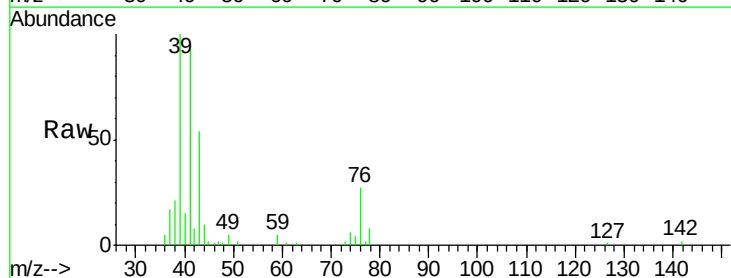
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

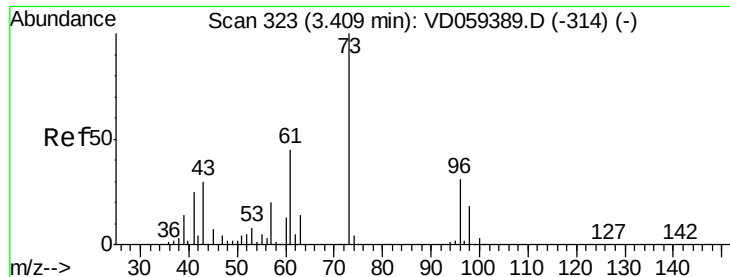
Tot Ion: 76 Resp: 201920
Ion Ratio Lower Upper
76 100
78 8.2 6.6 9.8



#18
Methyl Acetate
Concen: 20.18 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 43 Resp: 54627
Ion Ratio Lower Upper
43 100
74 11.9 11.0 16.4



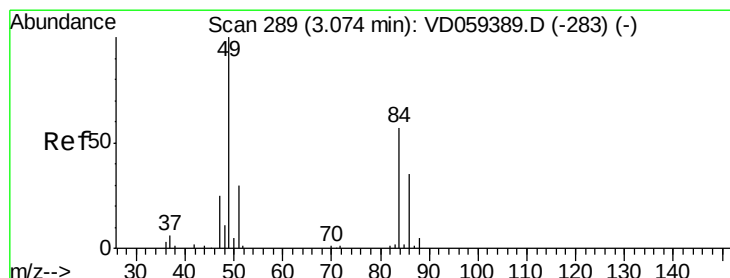
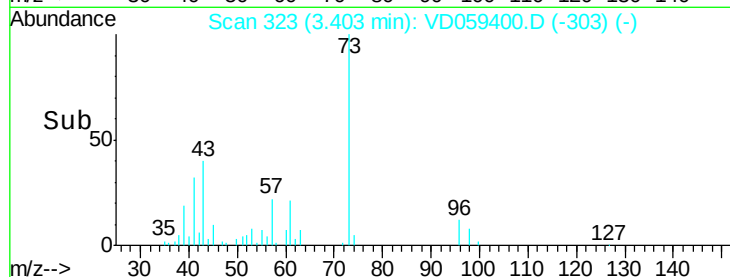
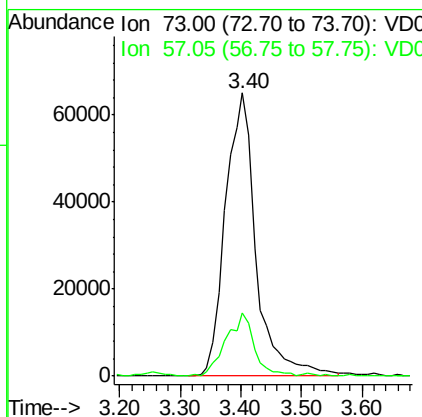
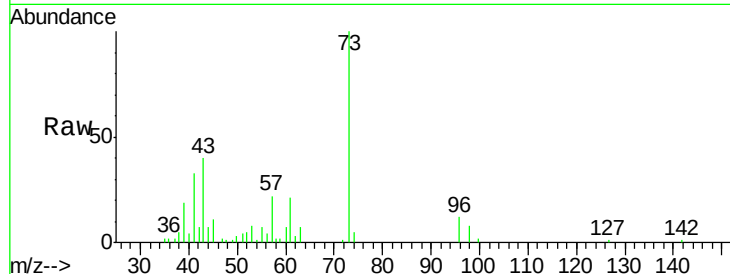


#19

Methyl tert-butyl Ether
 Concen: 15.39 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

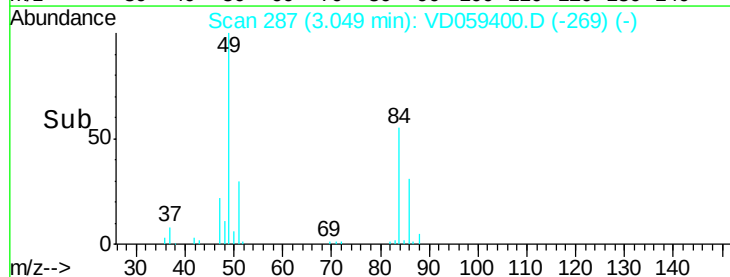
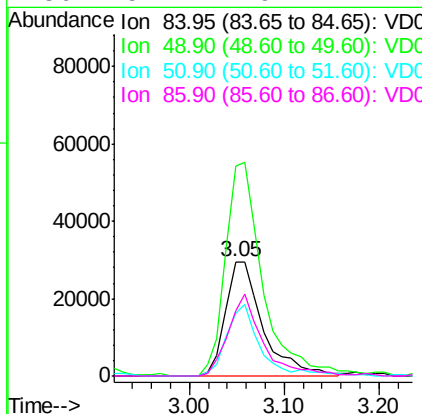
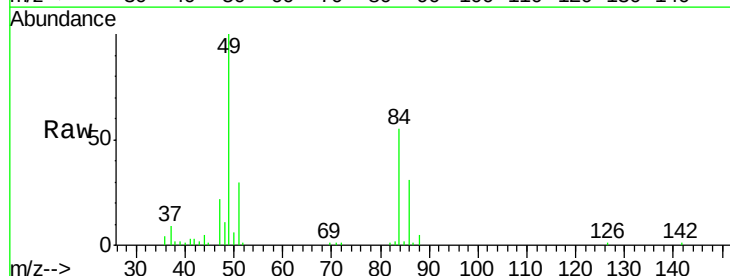
Tot Ion: 73 Resp: 228051
 Ion Ratio Lower Upper
 73 100
 57 22.5 16.1 24.1

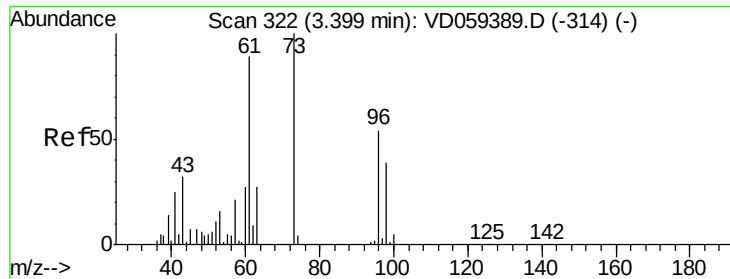


#20

Methylene Chloride
 Concen: 23.48 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.03 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 84 Resp: 81135
 Ion Ratio Lower Upper
 84 100
 49 183.4 140.3 210.5
 51 55.5 41.6 62.4
 86 57.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 15.12 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

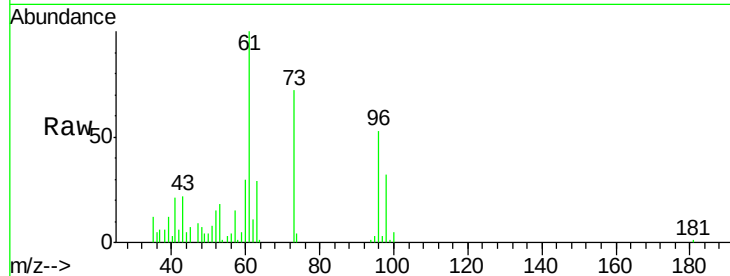
Tot Ion: 96 Resp: 80500

Ion Ratio Lower Upper

96 100

61 189.4 131.0 196.4

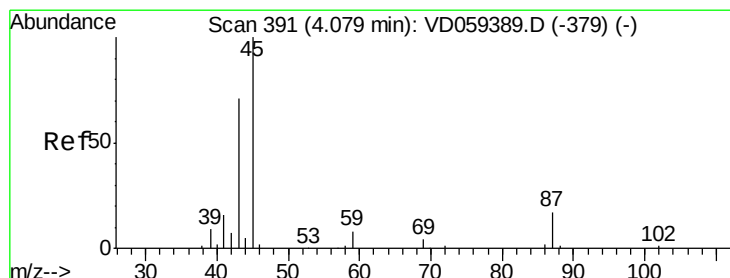
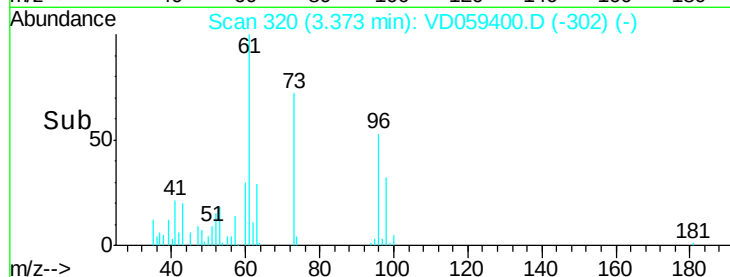
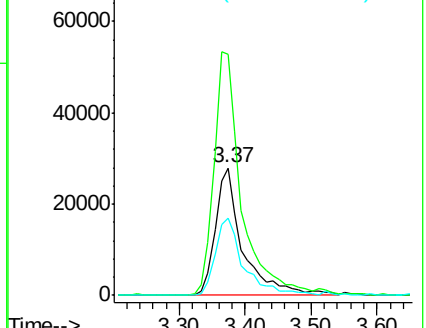
98 60.6 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.24 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Tgt Ion: 45 Resp: 499068

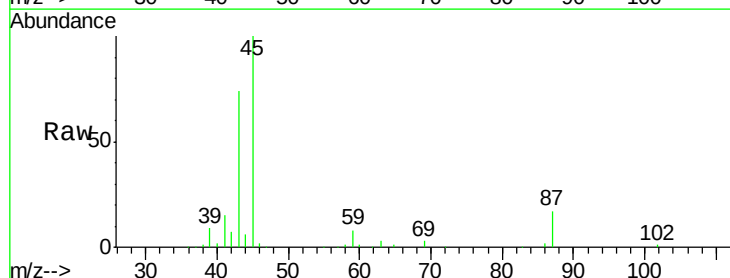
Ion Ratio Lower Upper

45 100

43 73.9 56.9 85.3

87 17.4 14.2 21.4

59 8.4 7.0 10.4

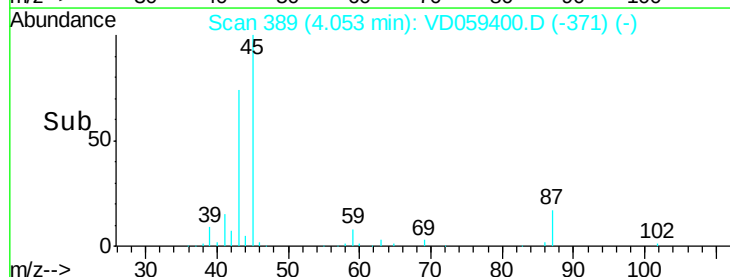
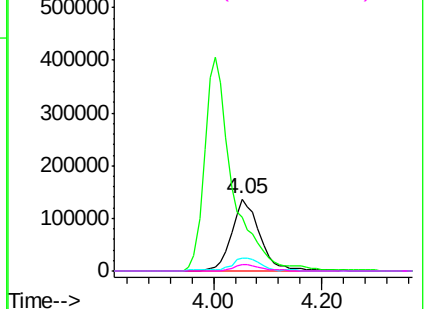


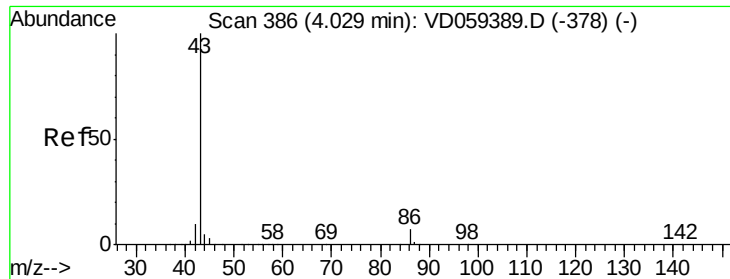
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

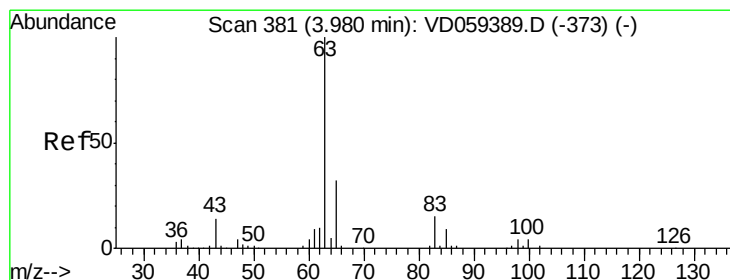
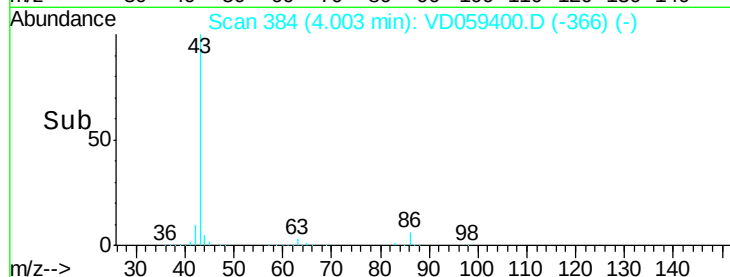
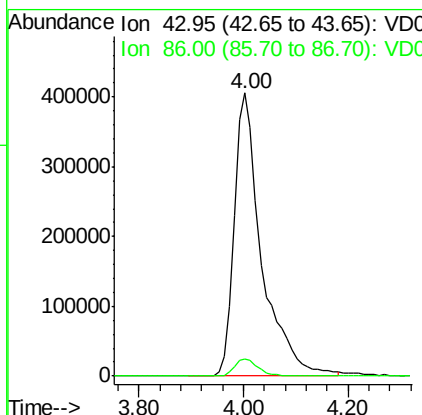
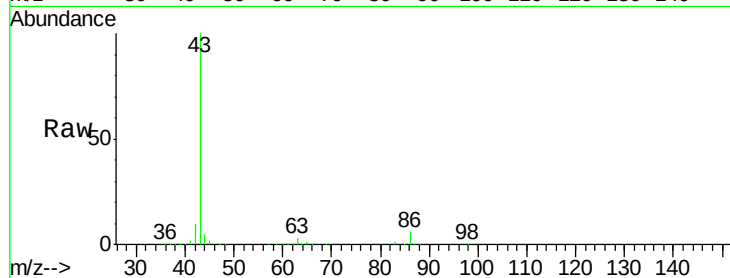




#23
Vinyl Acetate
Concen: 107.85 ug/l
RT: 4.00 min Scan# 384
Delta R.T. -0.03 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

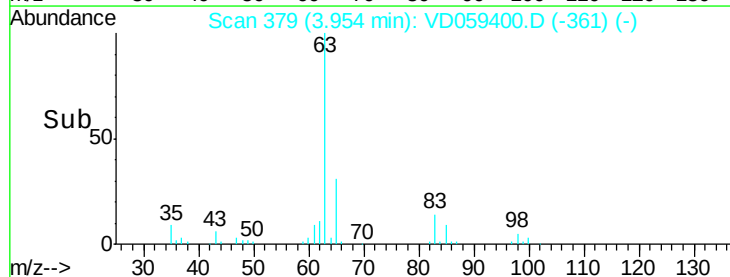
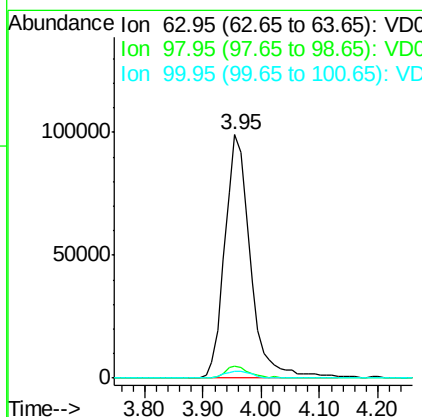
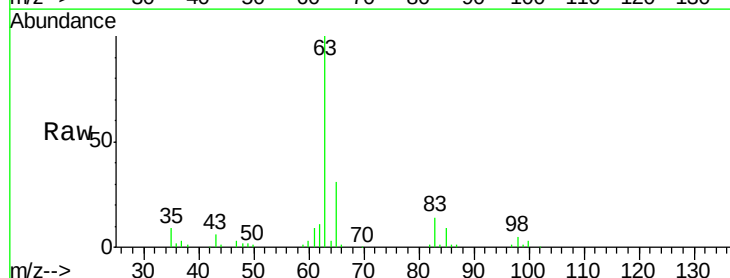
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

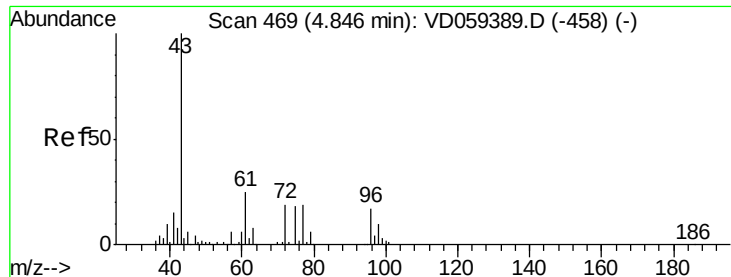
Tot Ion: 43 Resp: 1457209
Ion Ratio Lower Upper
43 100
86 6.3 5.2 7.8



#24
1,1-Dichloroethane
Concen: 20.43 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.03 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 63 Resp: 303125
Ion Ratio Lower Upper
63 100
98 4.9 2.1 6.5
100 2.6 1.8 5.5





#25

2-Butanone

Concen: 107.30 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

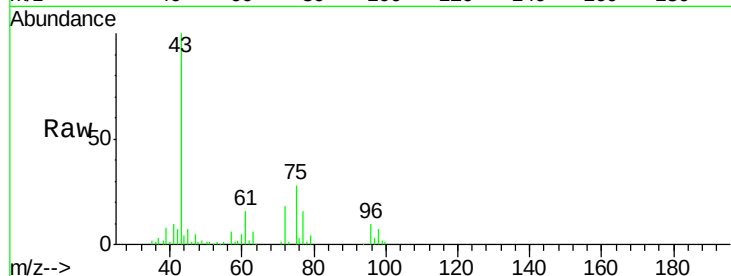
VD0625SBS02

Tot Ion: 43 Resp: 265117

Ion Ratio Lower Upper

43 100

72 17.9 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.83

100000

80000

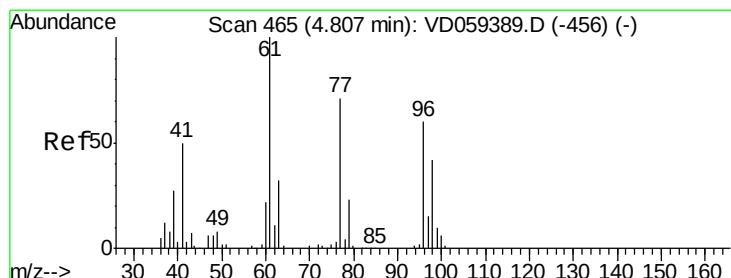
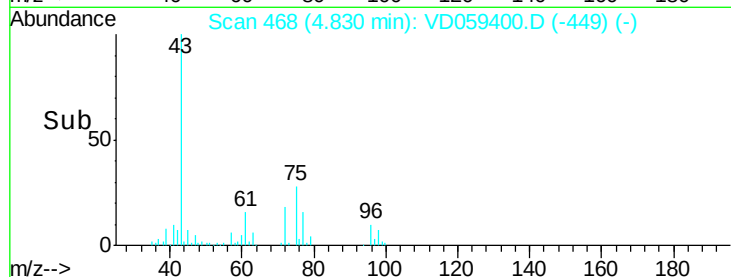
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 23.46 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059400.D

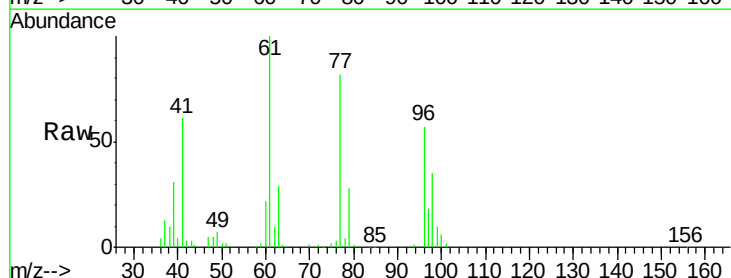
Acq: 25 Jun 2018 15:47

Tgt Ion: 77 Resp: 270019

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.78

80000

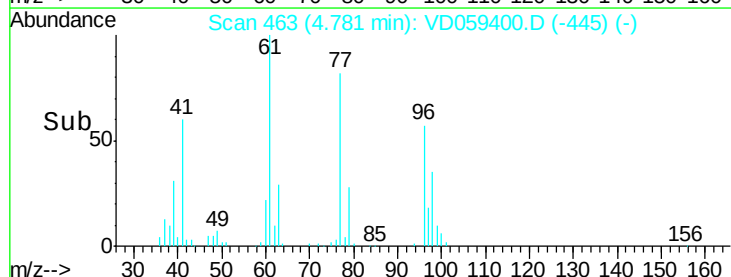
60000

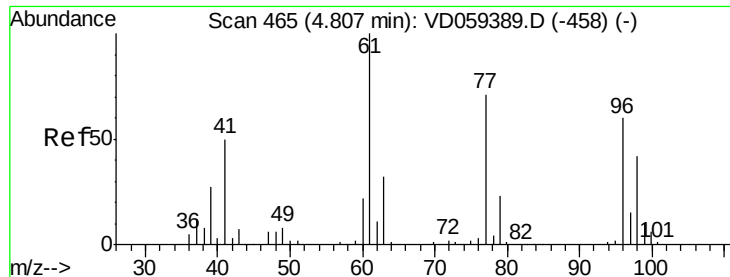
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.57 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

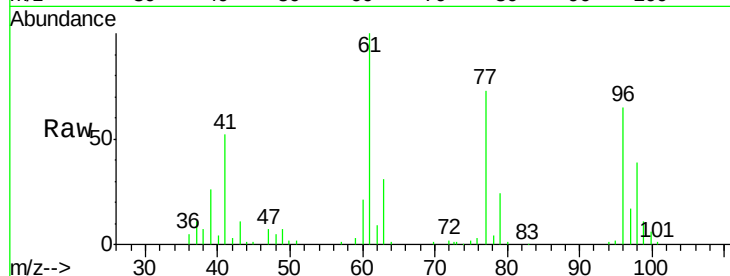
Tot Ion: 96 Resp: 184057

Ion Ratio Lower Upper

96 100

61 154.4 0.0 335.8

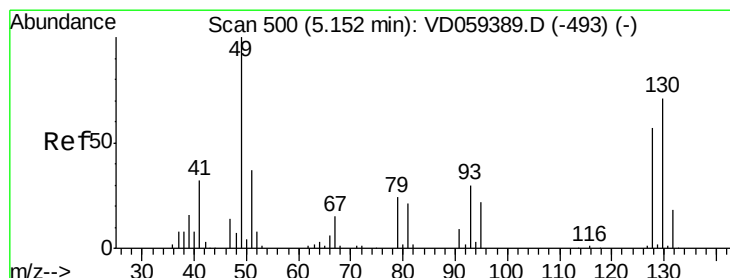
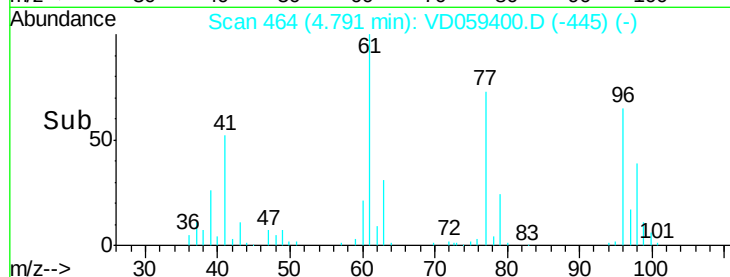
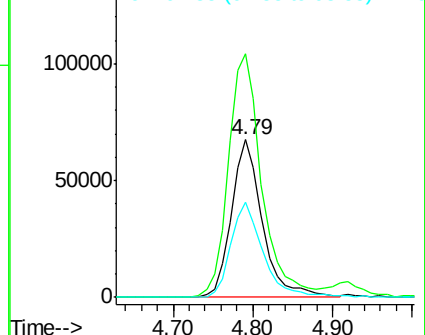
98 60.6 0.0 141.0



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: 19.34 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

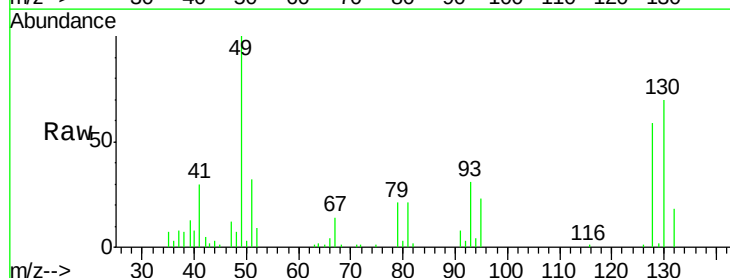
Tgt Ion: 49 Resp: 124434

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

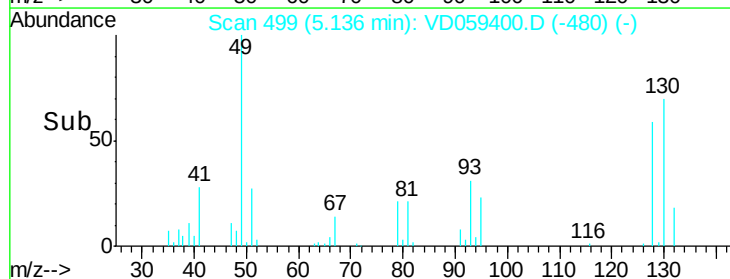
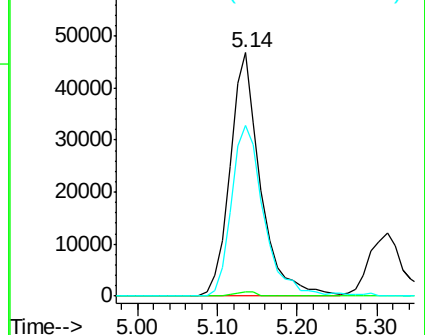
130 70.2 57.0 85.6

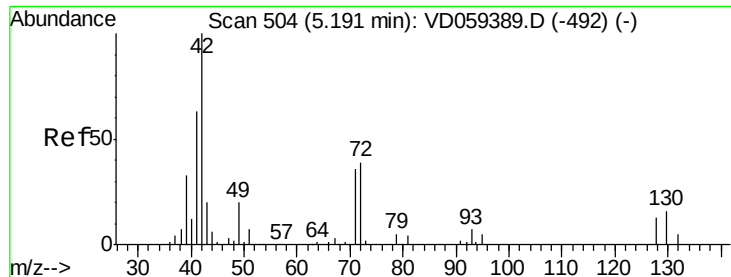


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

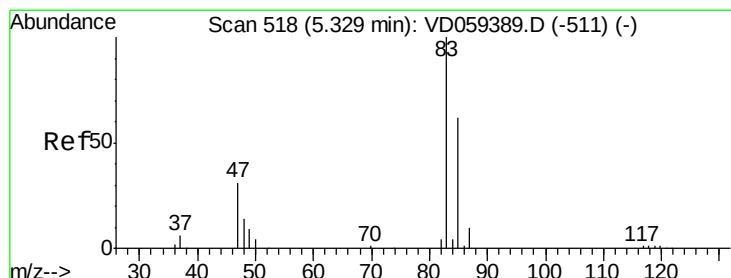
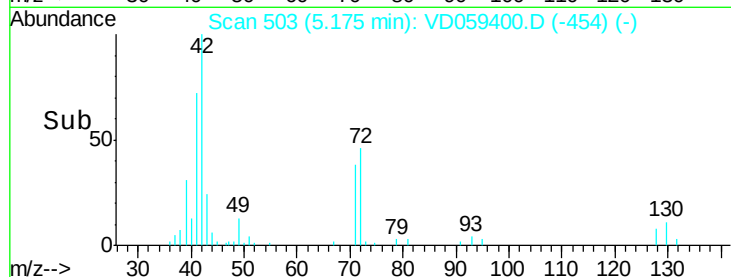
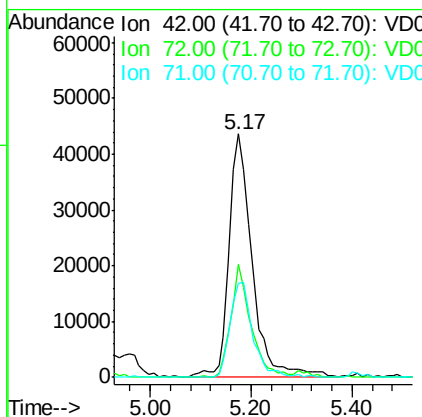
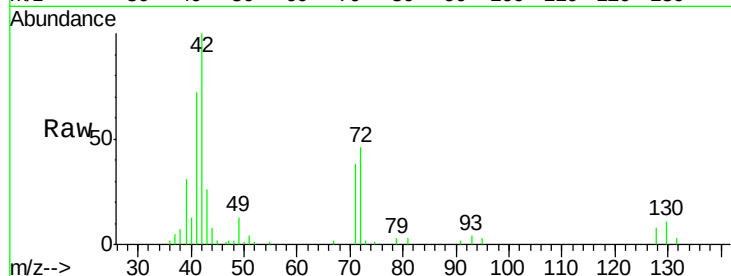




#29
Tetrahydrofuran
Concen: 102.04 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

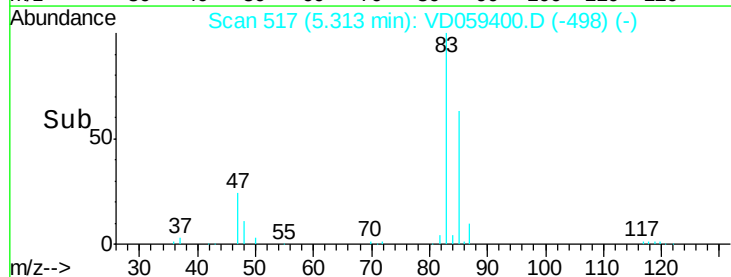
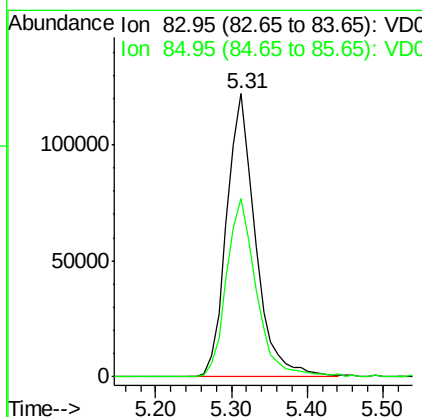
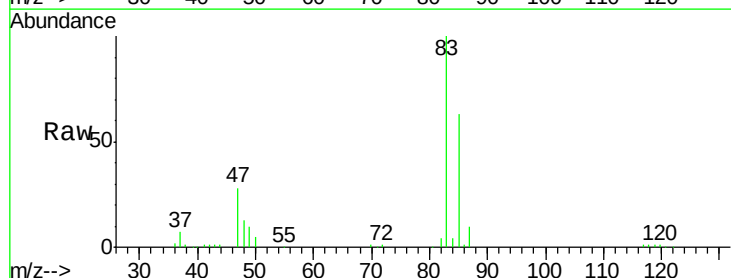
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

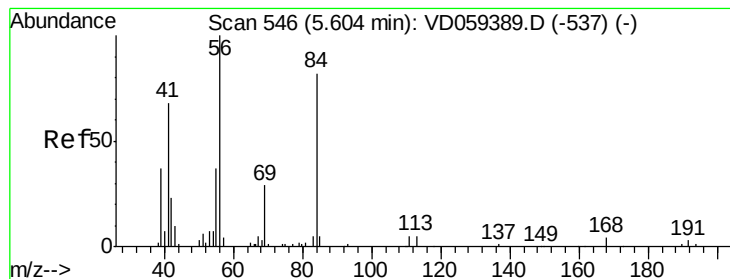
Tot Ion: 42 Resp: 137906
Ion Ratio Lower Upper
42 100
72 39.6 31.4 47.2
71 38.0 29.7 44.5



#30
Chloroform
Concen: 19.89 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 83 Resp: 321644
Ion Ratio Lower Upper
83 100
85 63.0 49.3 73.9





#31

Cyclohexane

Concen: 22.63 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

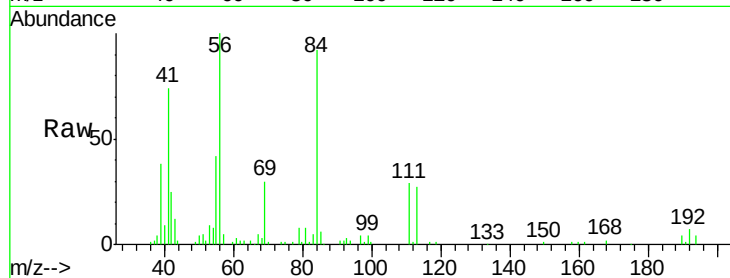
Tot Ion: 56 Resp: 242489

Ion Ratio Lower Upper

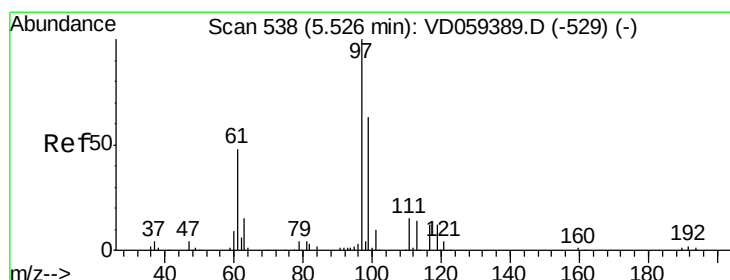
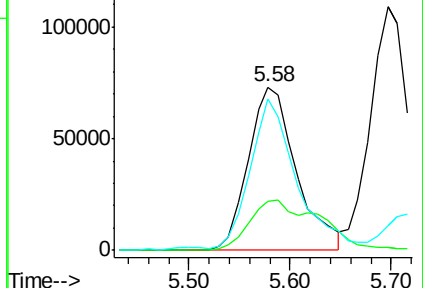
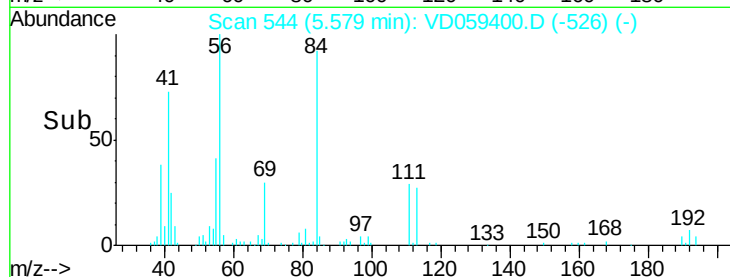
56 100

69 29.8 22.9 34.3

84 92.4 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 20.89 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.03 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

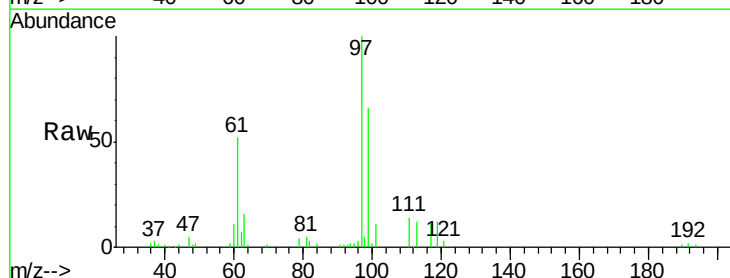
Tgt Ion: 97 Resp: 273573

Ion Ratio Lower Upper

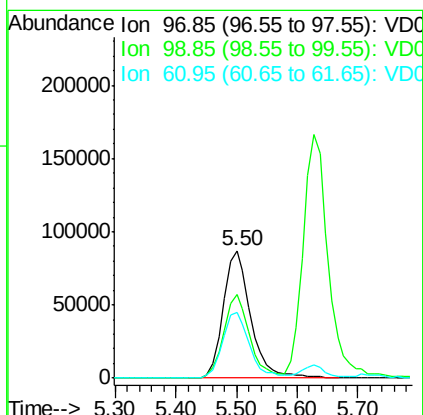
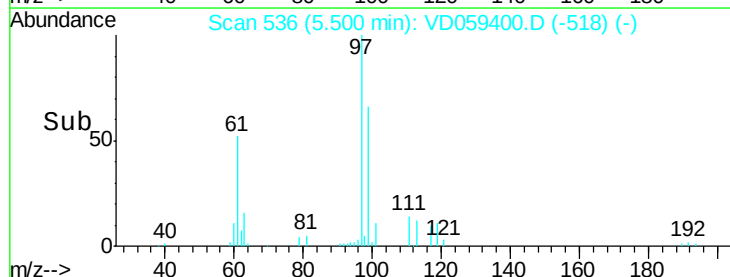
97 100

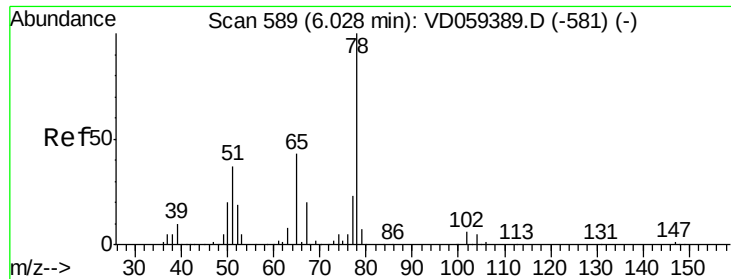
99 65.8 50.2 75.4

61 52.0 38.6 57.8



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

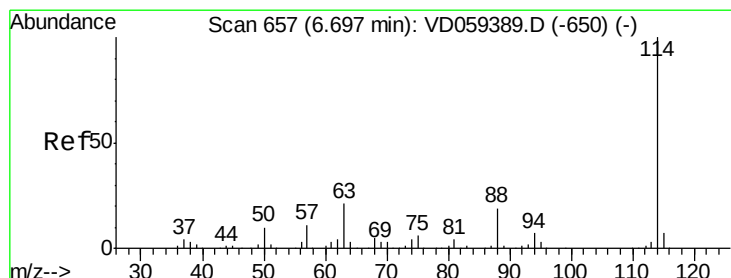
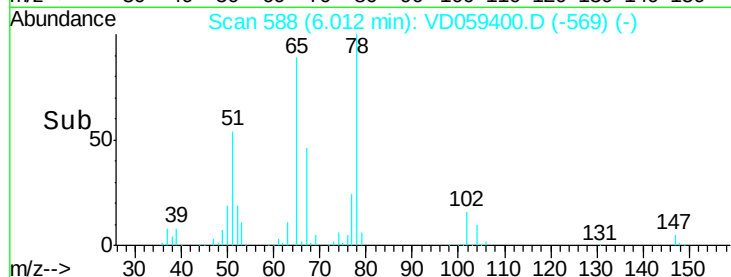
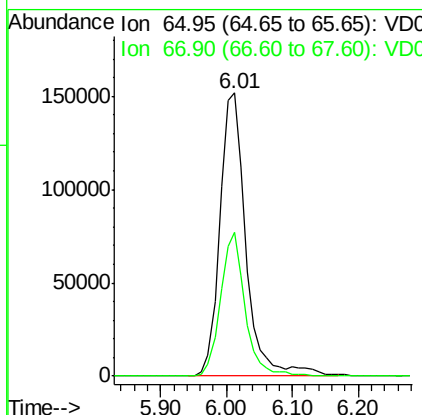
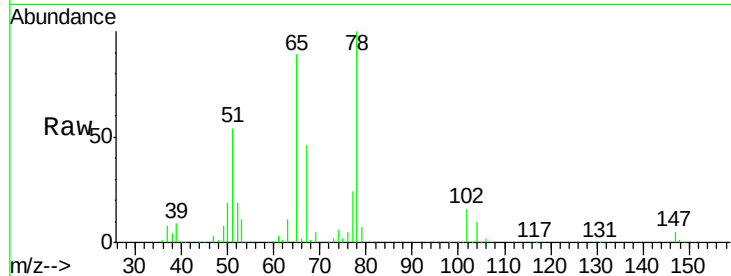




#33
 1,2-Dichloroethane-d4
 Concen: 20.89 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

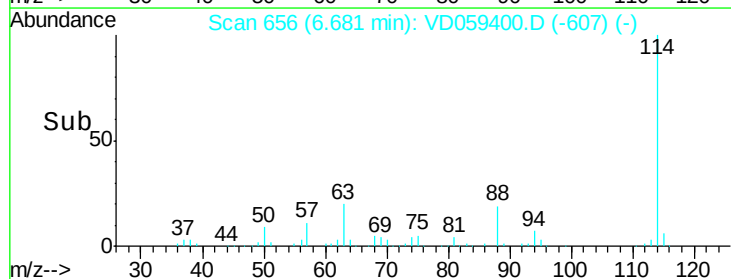
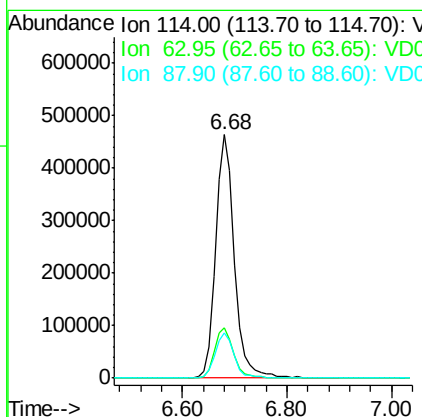
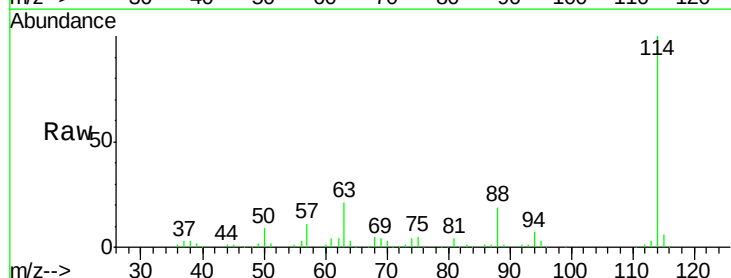
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

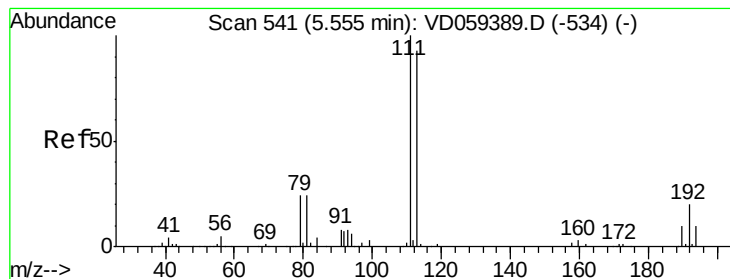
Tot Ion: 65 Resp: 419513
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 114 Resp: 1153486
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 18.7 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

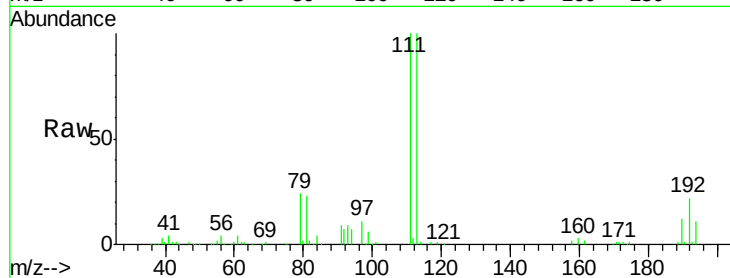
Tot Ion:113 Resp: 438102

Ion Ratio Lower Upper

113 100

111 100.5 85.7 128.5

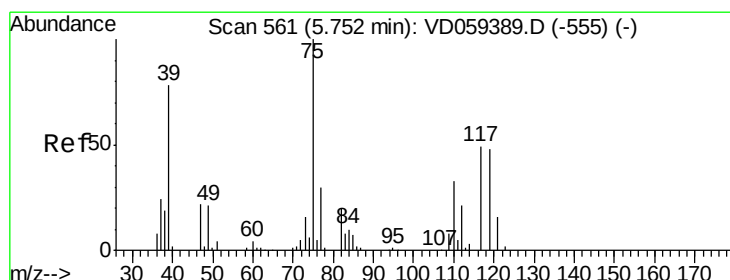
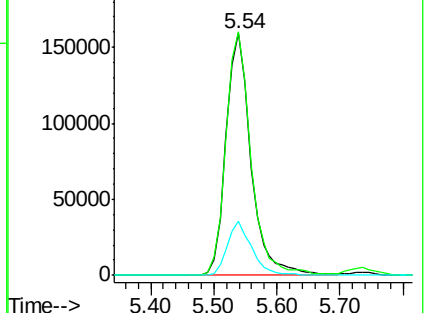
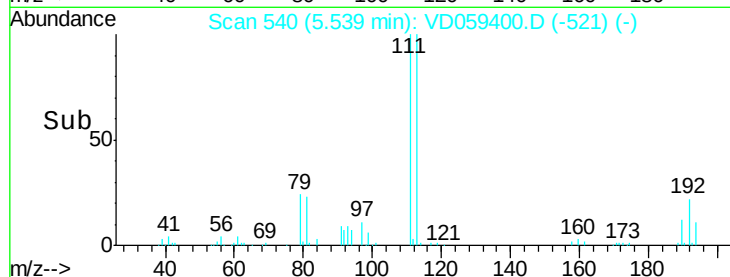
192 22.5 16.9 25.3



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: 22.38 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

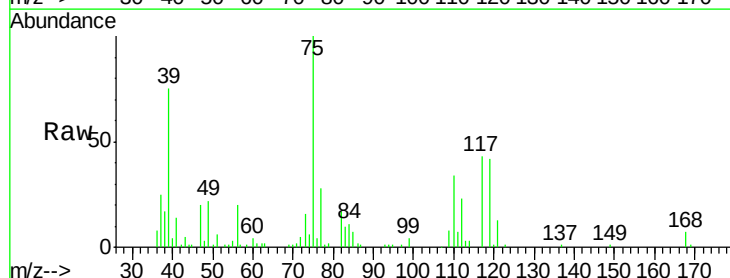
Tgt Ion: 75 Resp: 234227

Ion Ratio Lower Upper

75 100

110 34.0 16.1 48.2

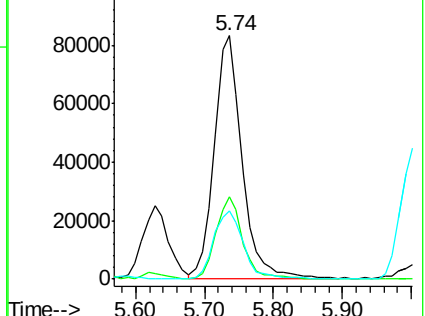
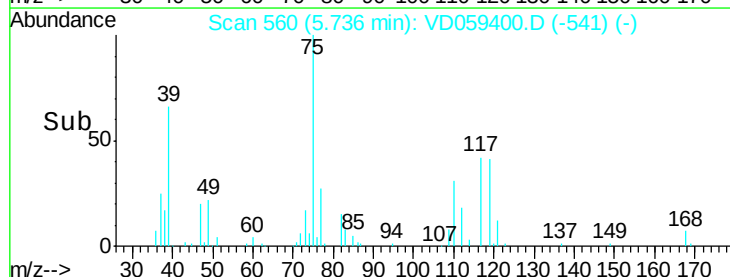
77 28.0 23.4 35.2

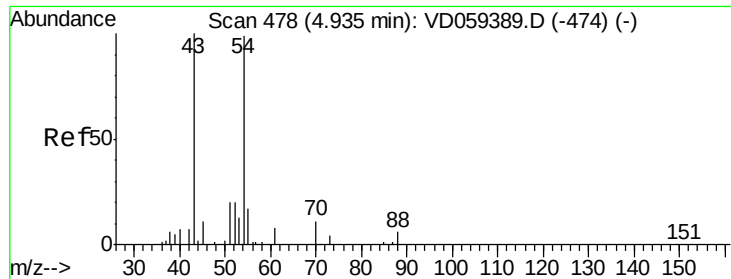


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

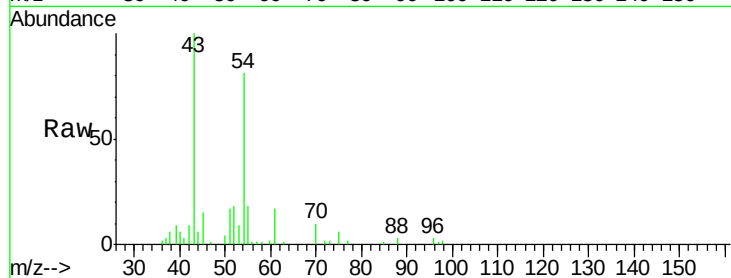




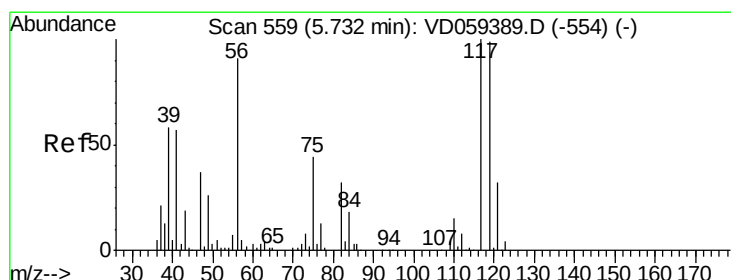
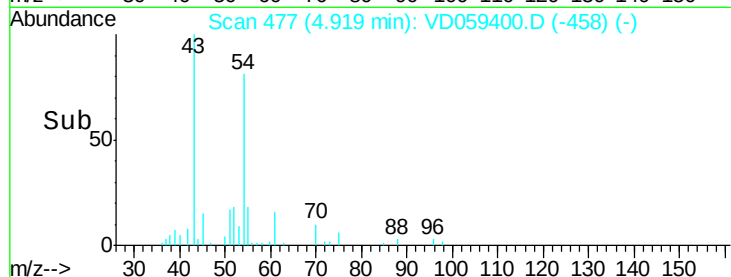
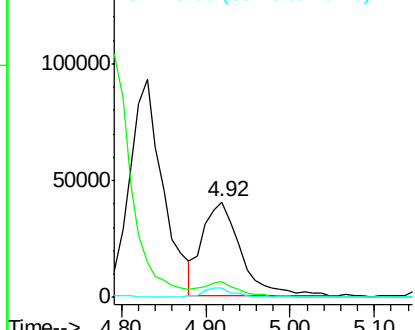
#37
Ethyl Acetate
Concen: 19.82 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion: 43 Resp: 126309
Ion Ratio Lower Upper
43 100
61 16.8 11.8 17.8
70 9.6 6.1 9.1#

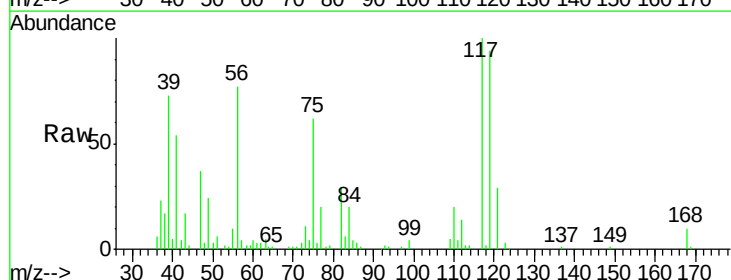


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

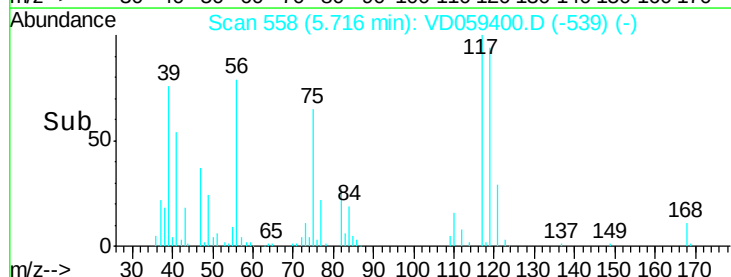
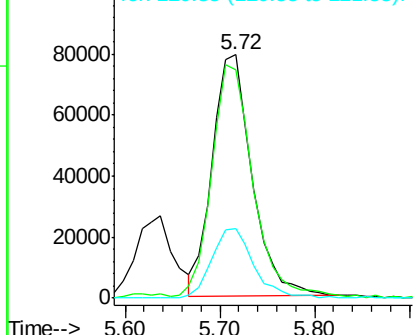


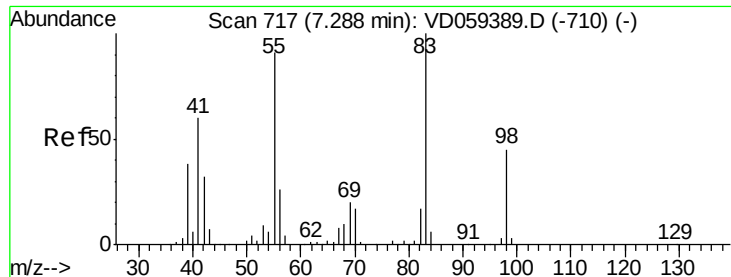
#38
Carbon Tetrachloride
Concen: 21.44 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 117 Resp: 231316
Ion Ratio Lower Upper
117 100
119 93.5 76.6 115.0
121 28.6 25.0 37.4



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

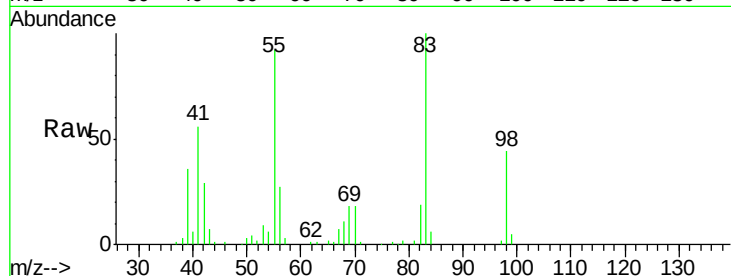




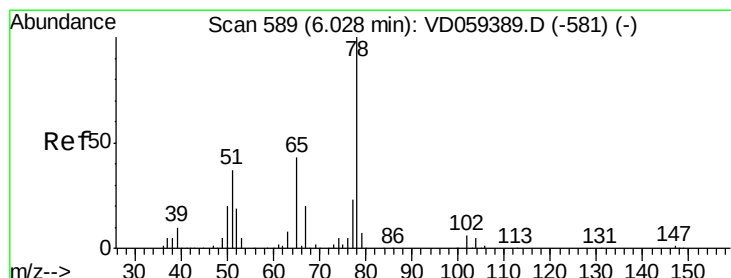
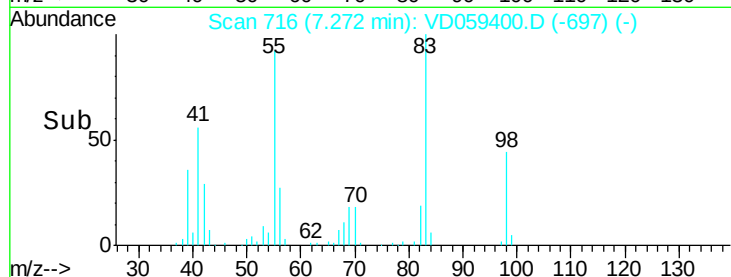
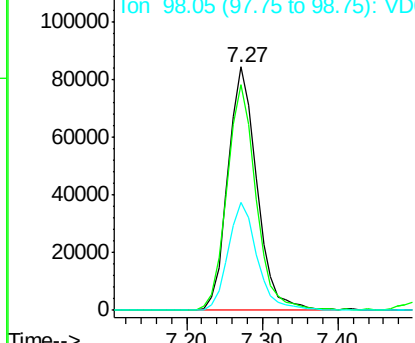
#39
Methylvlcyclohexane
Concen: 22.56 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion: 83 Resp: 223936
Ion Ratio Lower Upper
83 100
55 92.5 72.6 109.0
98 44.2 35.8 53.6

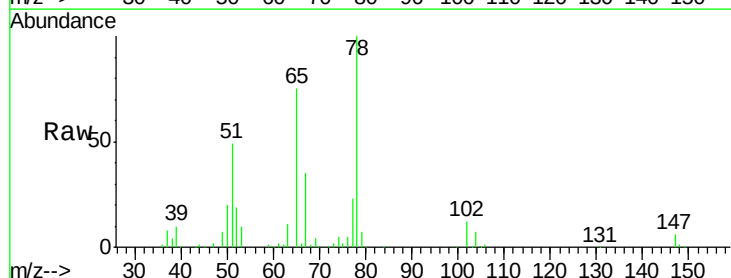


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

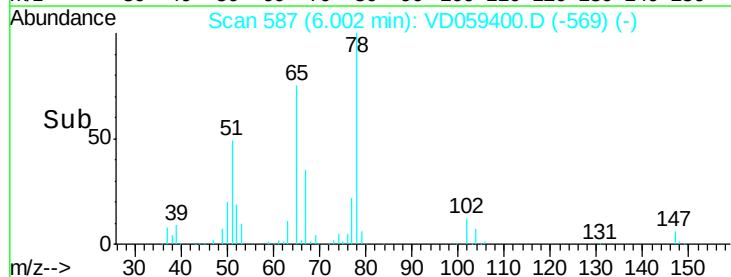
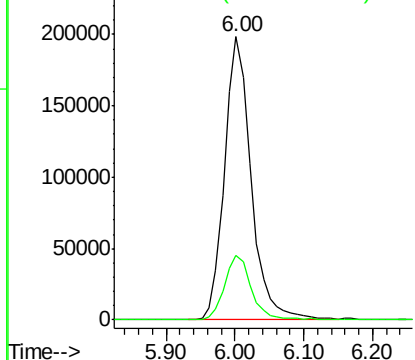


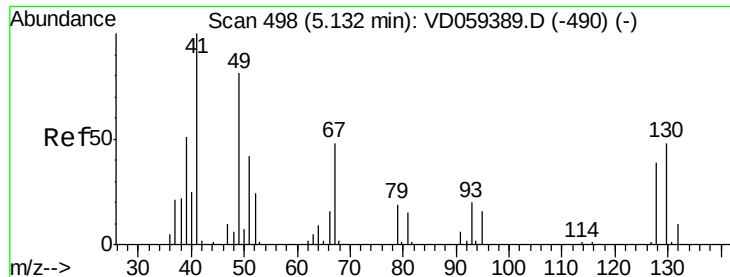
#40
Benzene
Concen: 21.20 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.03 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 78 Resp: 532377
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1



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





#41

Methacrylonitrile

Concen: 21.31 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

Tot Ion: 41 Resp: 65421

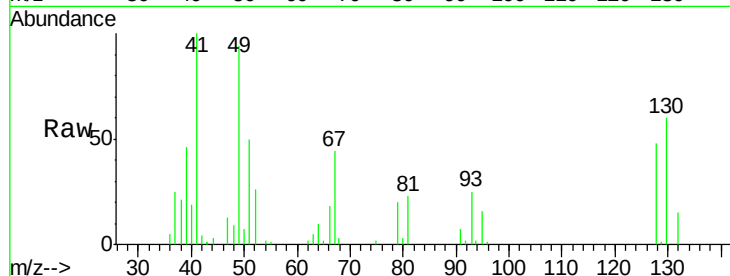
Ion Ratio Lower Upper

41 100

39 46.4 41.5 62.3

67 44.4 38.7 58.1

52 26.5 19.4 29.2

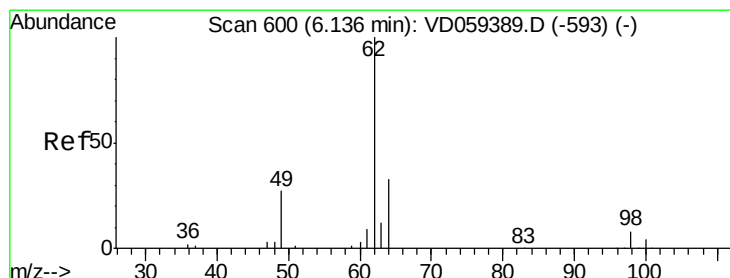
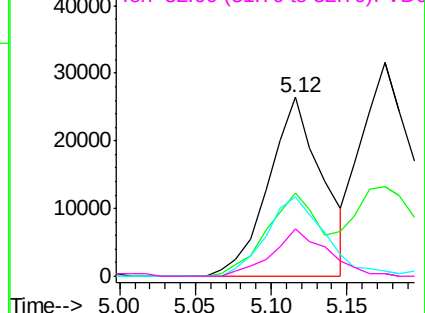
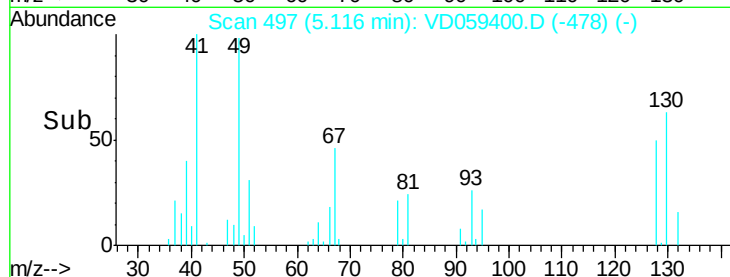


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.24 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059400.D

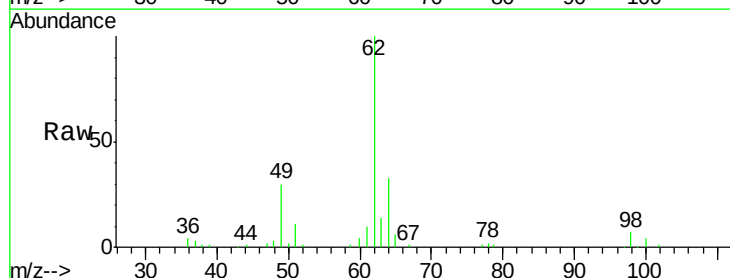
Acq: 25 Jun 2018 15:47

Tgt Ion: 62 Resp: 224558

Ion Ratio Lower Upper

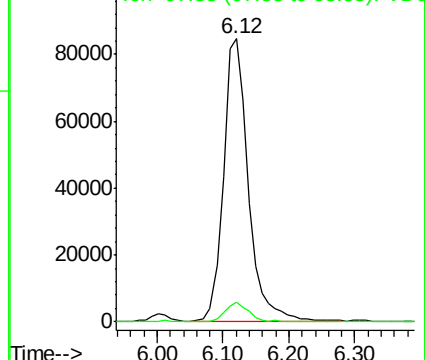
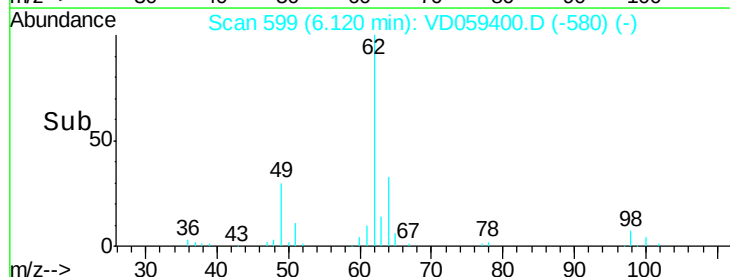
62 100

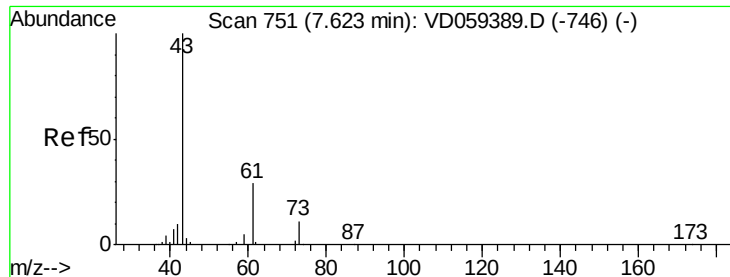
98 7.2 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.67 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

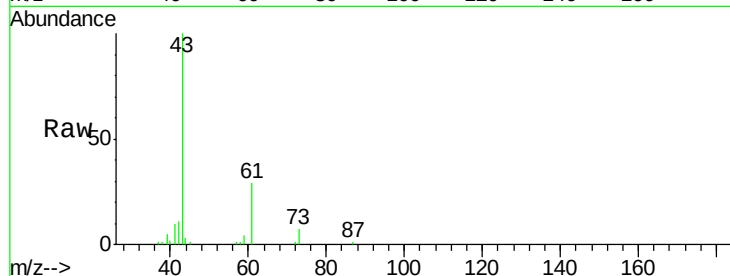
Tot Ion: 43 Resp: 165441

Ion Ratio Lower Upper

43 100

61 28.6 23.1 34.7

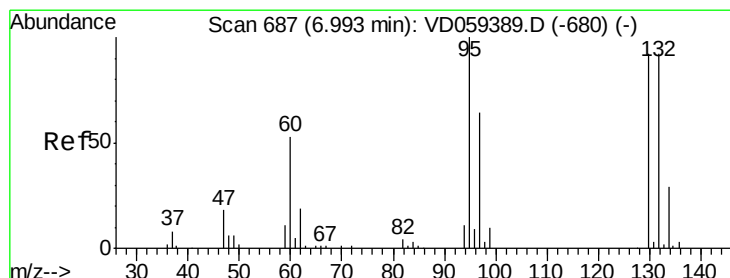
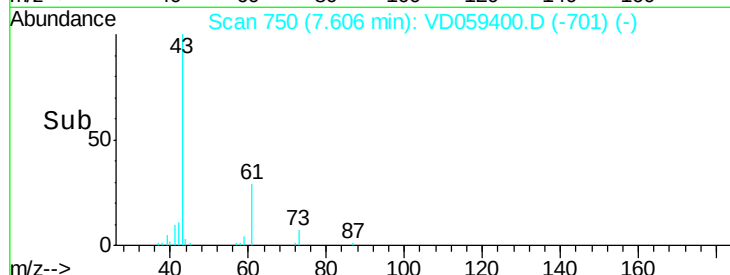
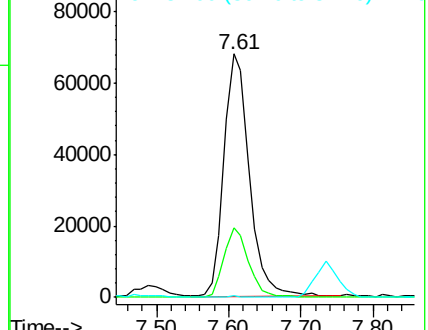
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.41 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059400.D

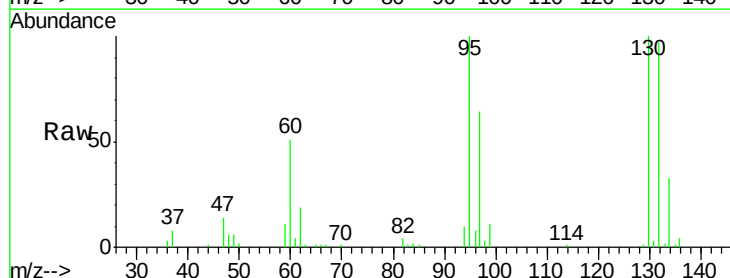
Acq: 25 Jun 2018 15:47

Tgt Ion:130 Resp: 176048

Ion Ratio Lower Upper

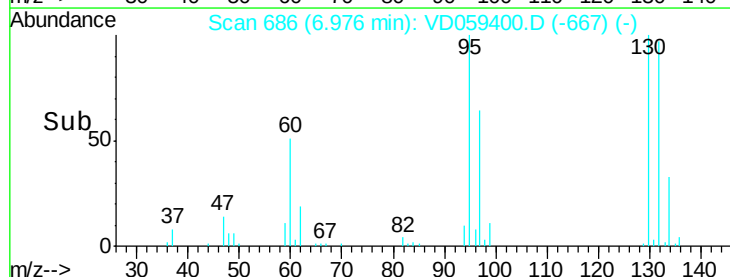
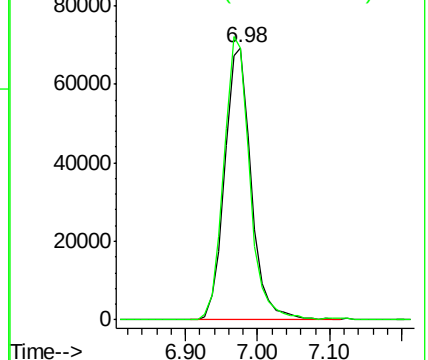
130 100

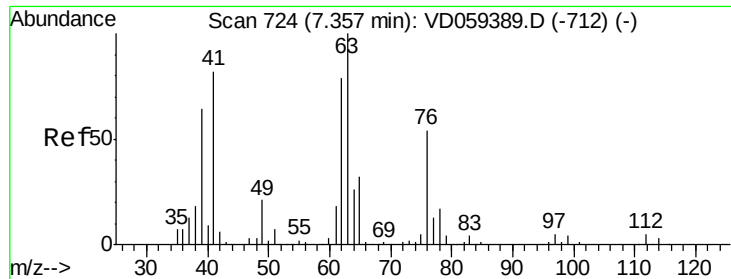
95 100.0 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

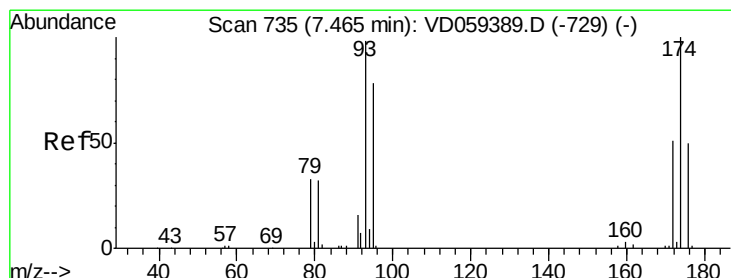
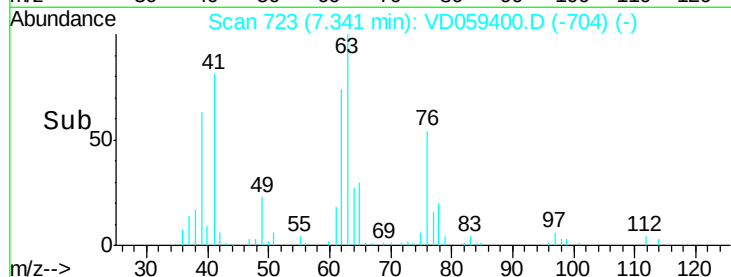
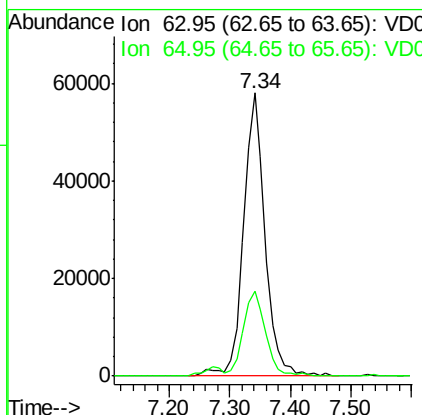
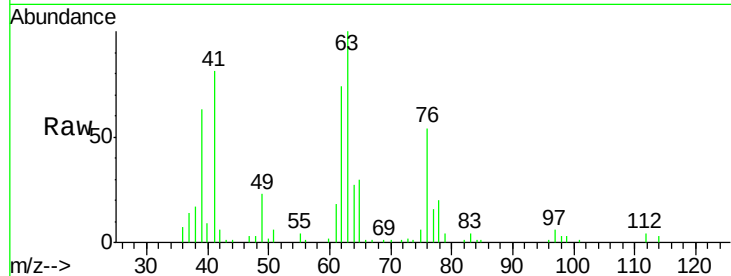




#45
 1,2-Dichloropropane
 Concen: 20.52 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

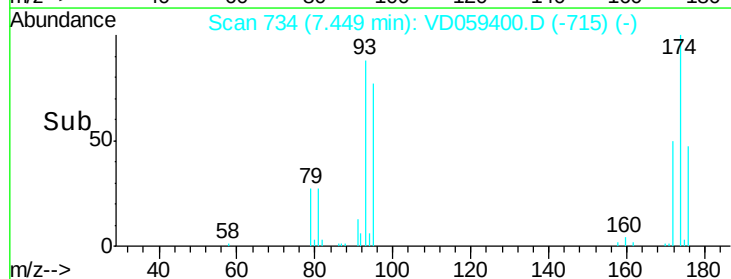
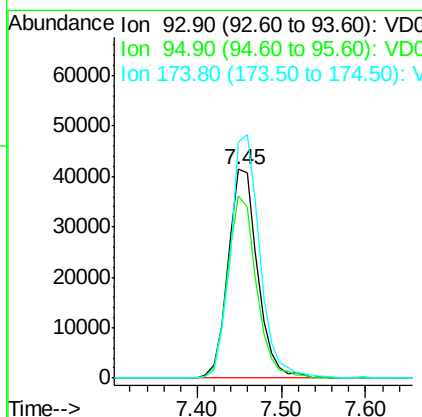
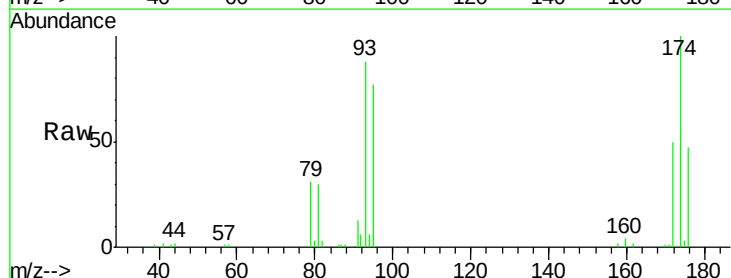
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

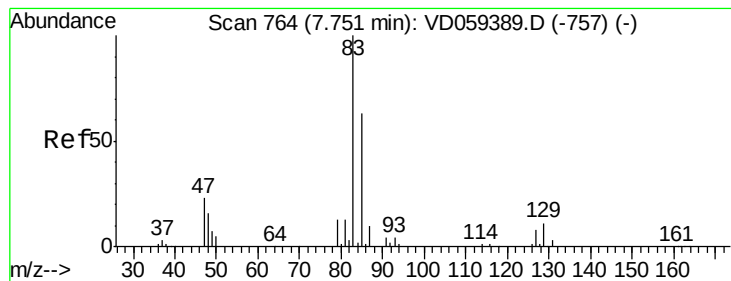
Tot Ion: 63 Resp: 142676
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.7 38.5



#46
 Dibromomethane
 Concen: 20.10 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 93 Resp: 100521
 Ion Ratio Lower Upper
 93 100
 95 87.1 63.4 95.0
 174 113.0 81.4 122.2





#47

Bromodichloromethane

Concen: 20.64 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

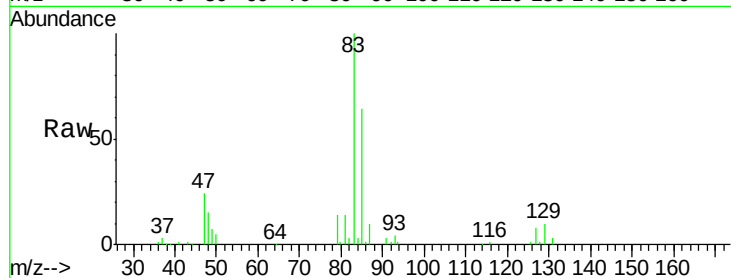
Tot Ion: 83 Resp: 230979

Ion Ratio Lower Upper

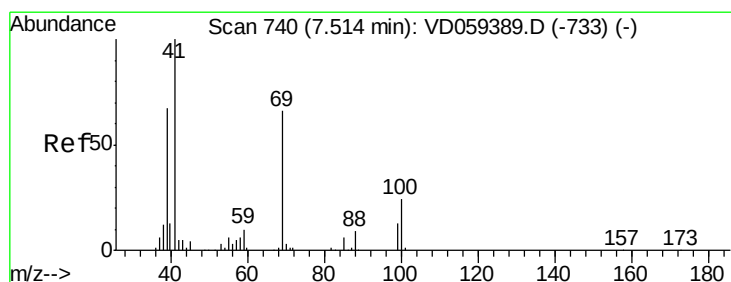
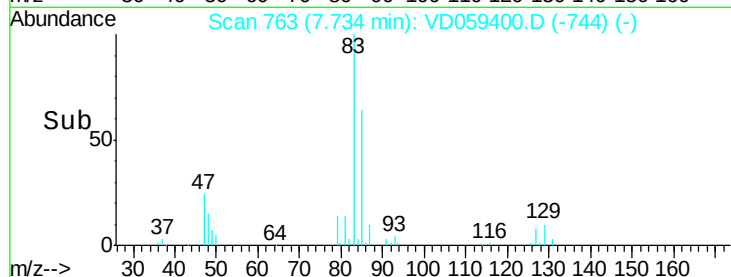
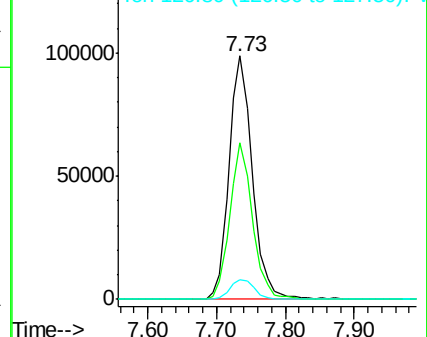
83 100

85 64.3 50.1 75.1

127 8.0 6.1 9.1



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



#48

Methyl methacrylate

Concen: 20.69 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

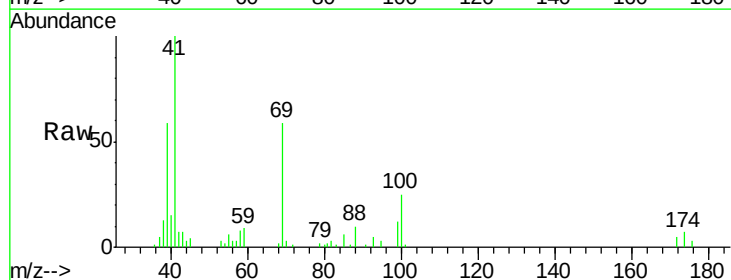
Tgt Ion: 41 Resp: 100866

Ion Ratio Lower Upper

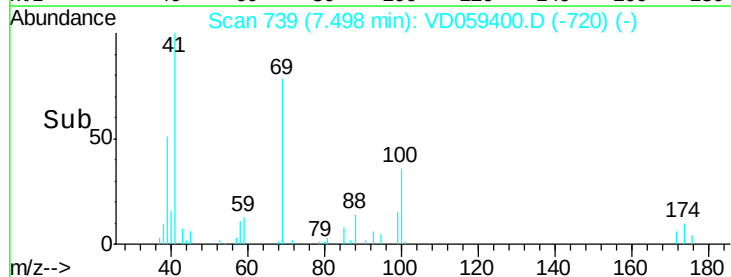
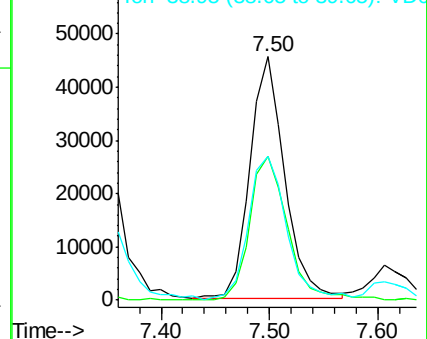
41 100

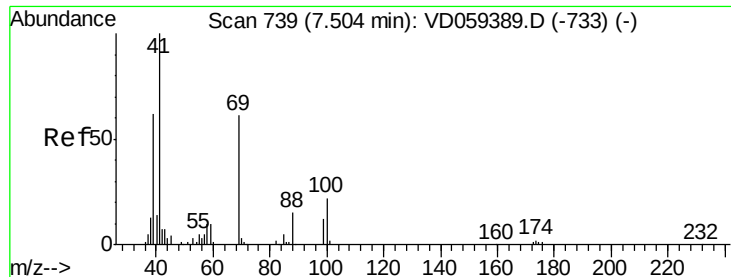
69 59.0 52.6 79.0

39 58.9 53.6 80.4



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





#49

1,4-Dioxane

Concen: 399.87 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

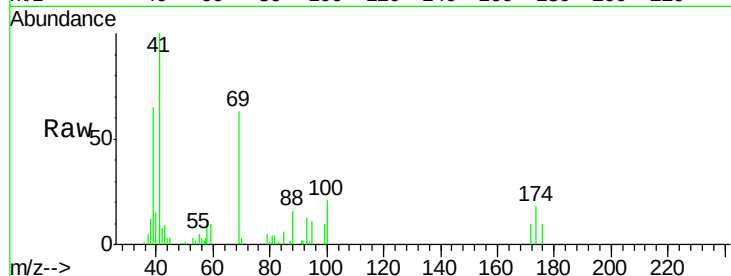
Tot Ion: 88 Resp: 19552

Ion Ratio Lower Upper

88 100

43 58.0 41.0 61.4

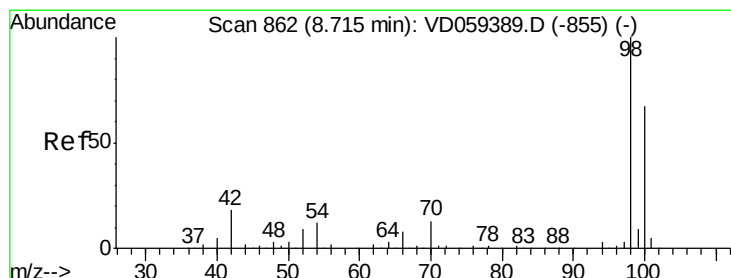
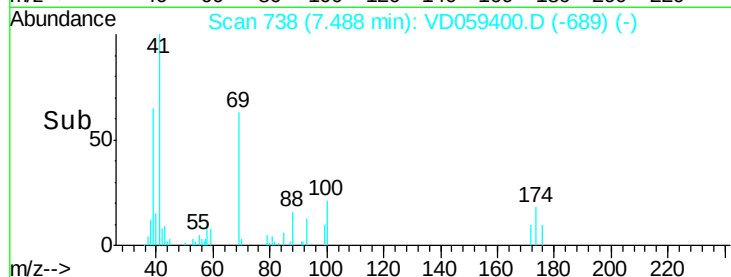
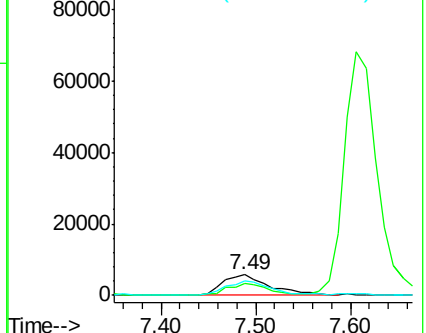
58 69.9 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 399.87 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059400.D

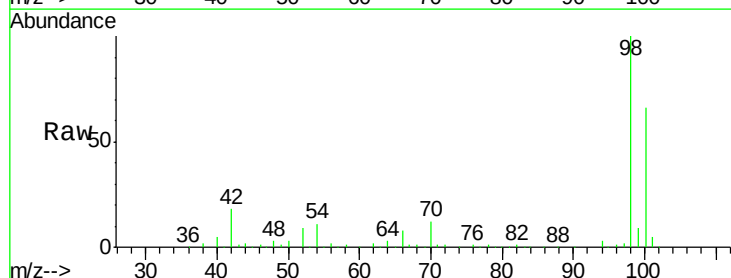
Acq: 25 Jun 2018 15:47

Tgt Ion: 98 Resp: 945390

Ion Ratio Lower Upper

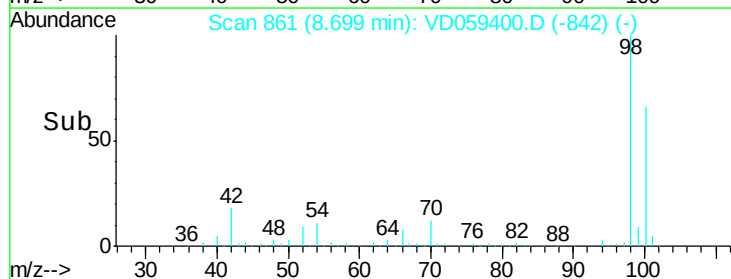
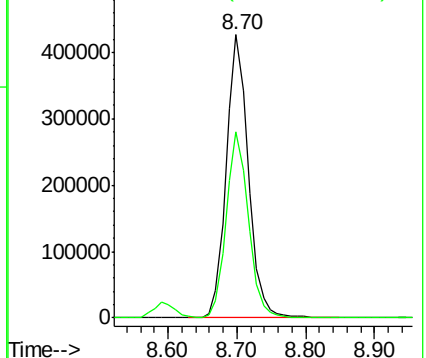
98 100

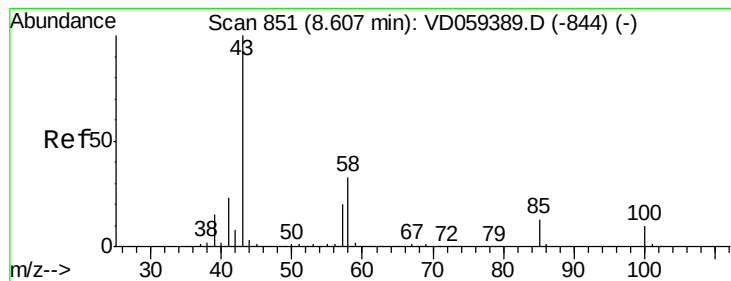
100 65.9 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.59 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

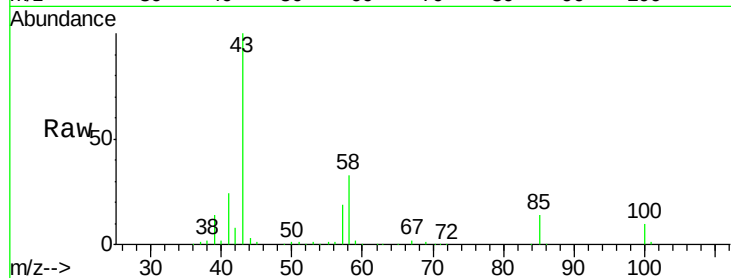
VD0625SBS02

Tot Ion: 43 Resp: 557764

Ion Ratio Lower Upper

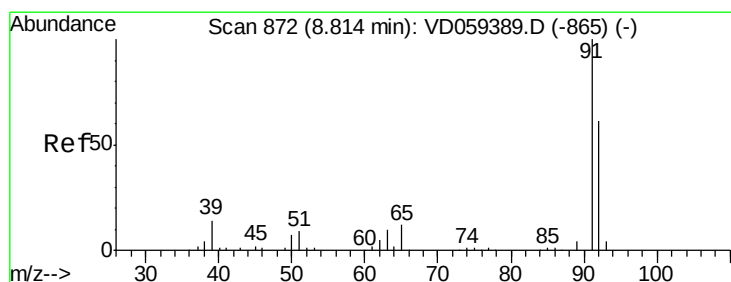
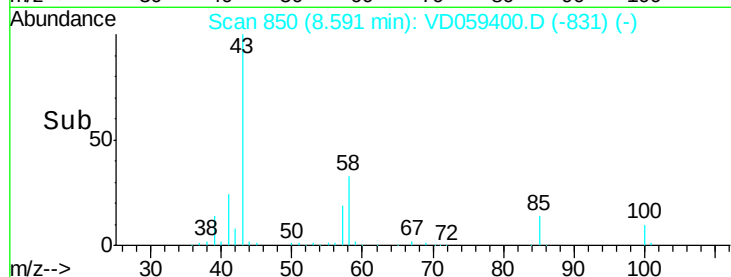
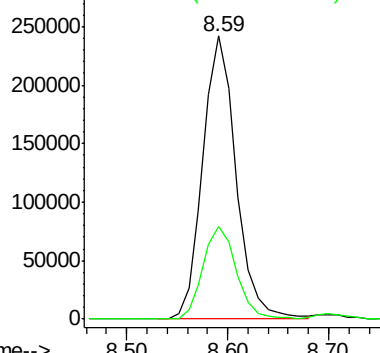
43 100

58 32.8 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: 20.95 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059400.D

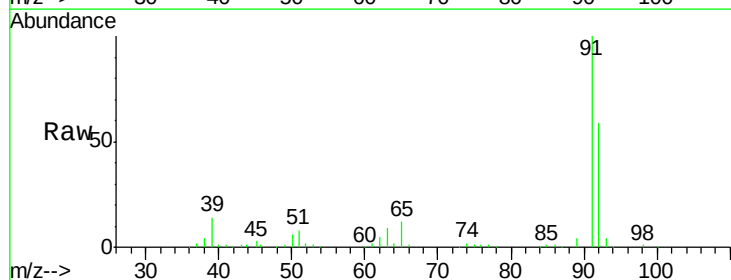
Acq: 25 Jun 2018 15:47

Tgt Ion: 92 Resp: 314256

Ion Ratio Lower Upper

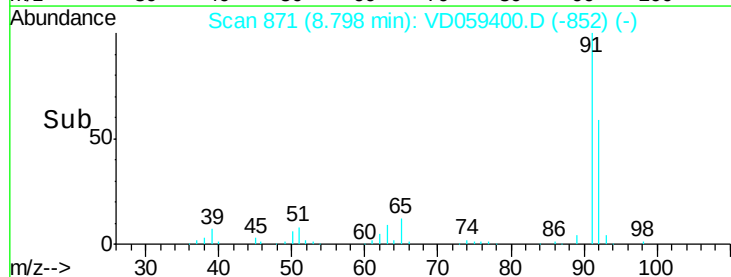
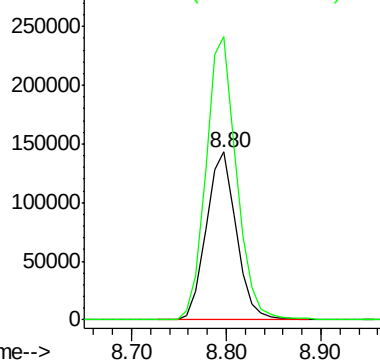
92 100

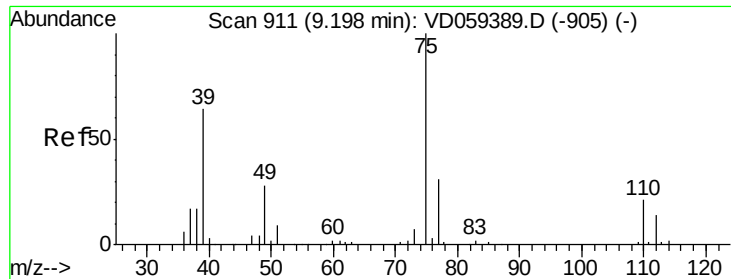
91 168.7 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

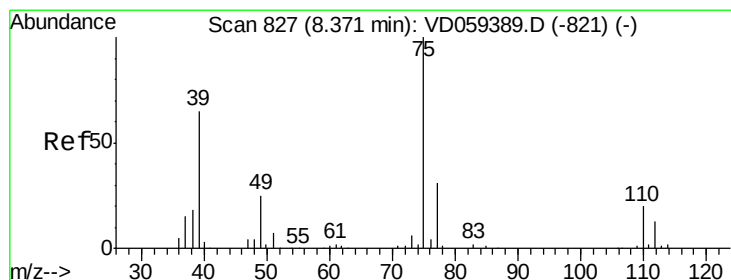
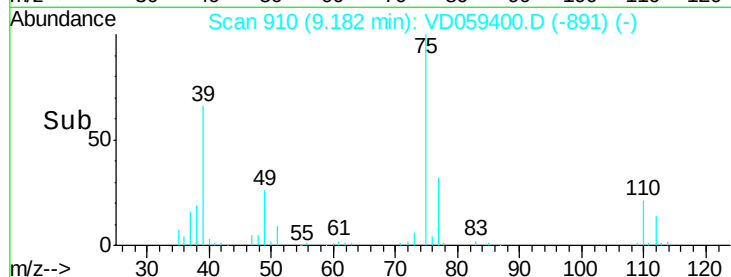
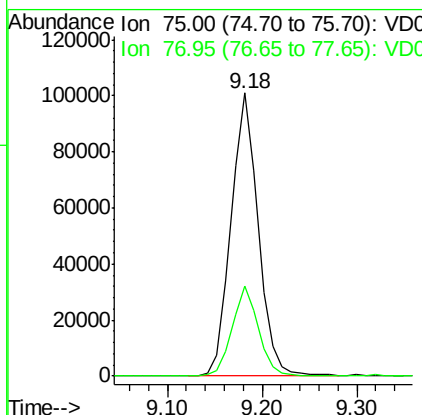
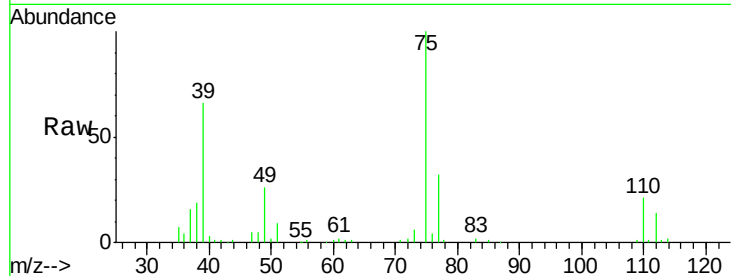




#53
 t-1,3-Dichloropropene
 Concen: 21.43 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

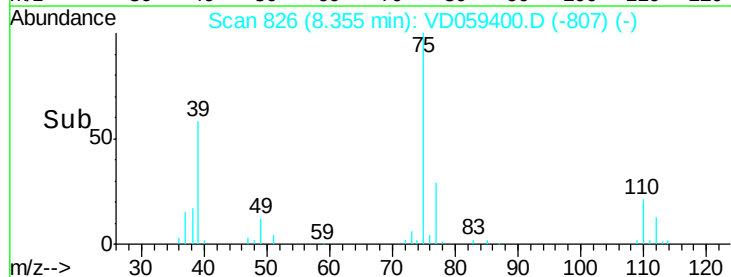
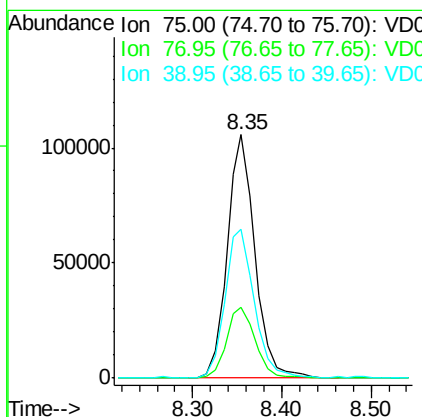
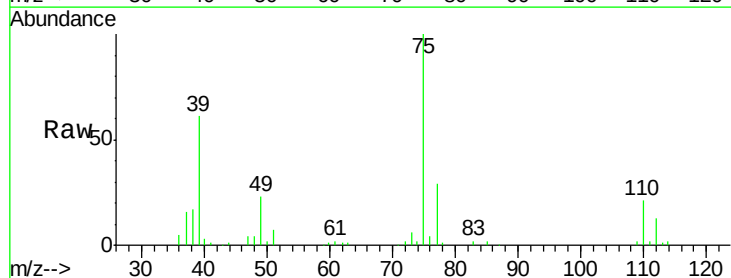
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

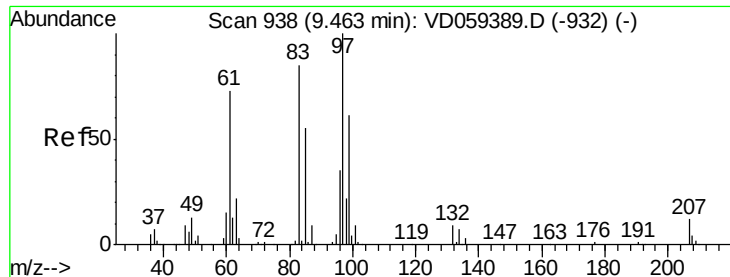
Tot Ion: 75 Resp: 200371
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.20 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 75 Resp: 229602
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.7 37.1
 39 61.1 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.08 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

Tot Ion: 97 Resp: 114798

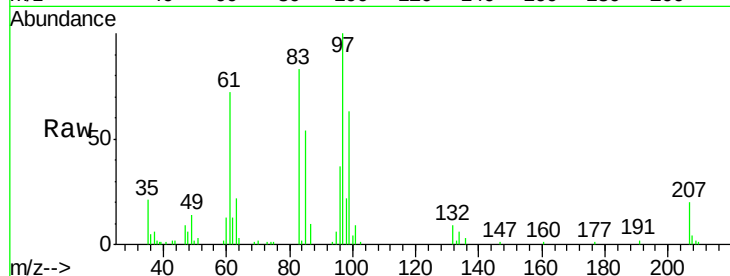
Ion Ratio Lower Upper

97 100

83 83.3 67.7 101.5

85 53.9 44.3 66.5

99 63.4 48.6 73.0

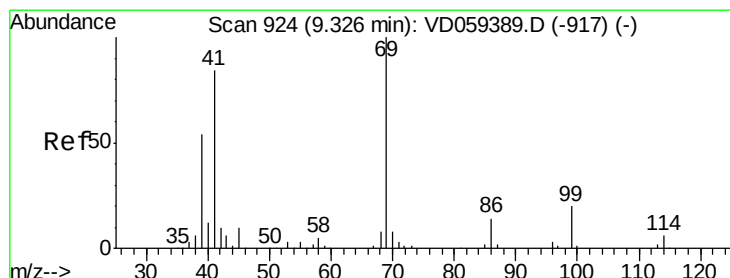
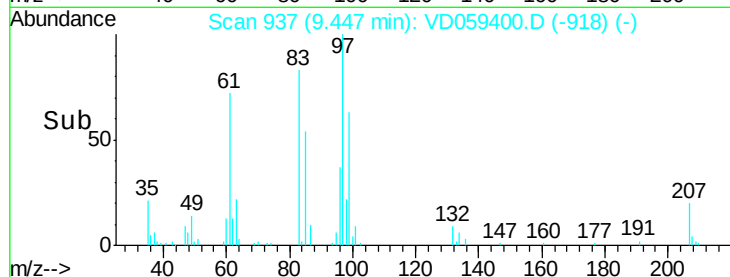
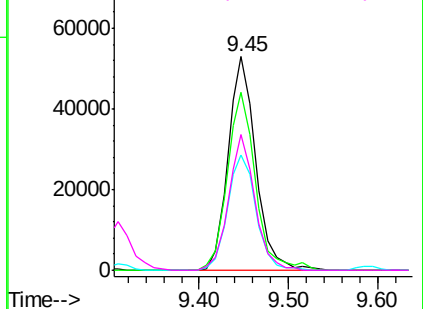


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.57 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

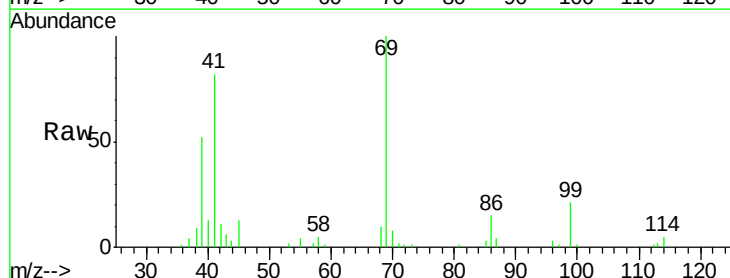
Tgt Ion: 69 Resp: 127772

Ion Ratio Lower Upper

69 100

41 82.4 67.4 101.0

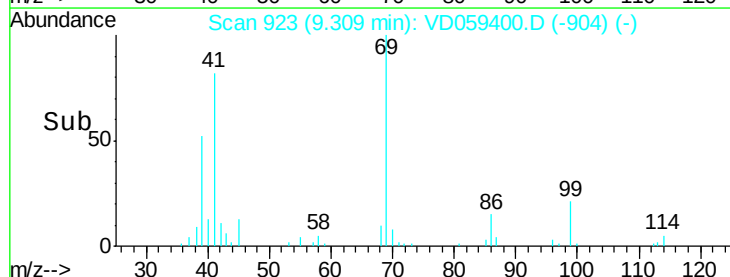
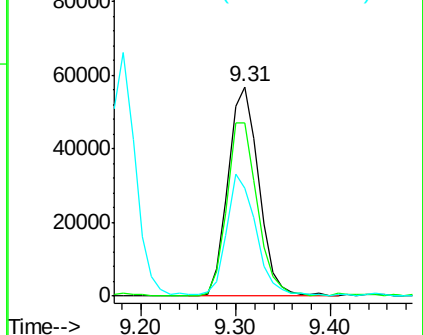
39 51.8 43.7 65.5

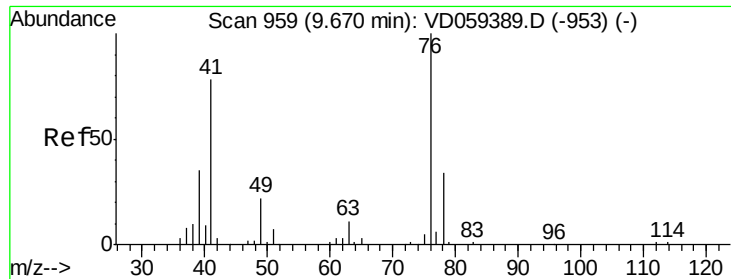


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.08 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

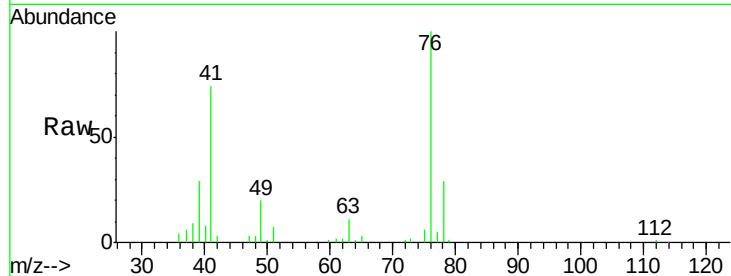
VD0625SBS02

Tot Ion: 76 Resp: 178848

Ion Ratio Lower Upper

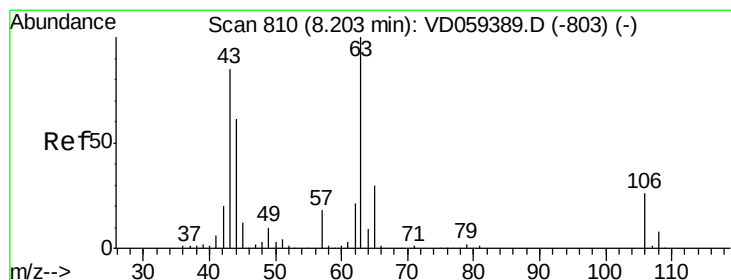
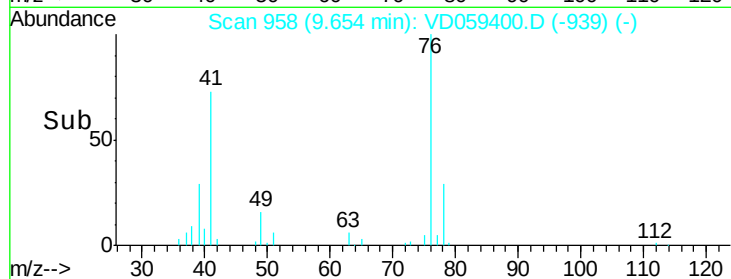
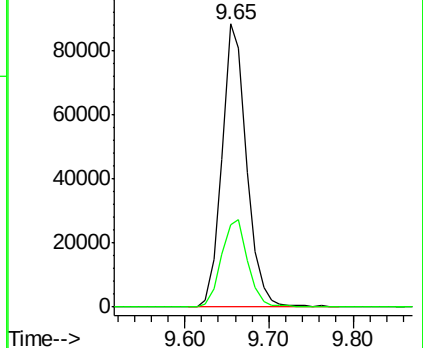
76 100

78 29.2 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.34 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD059400.D

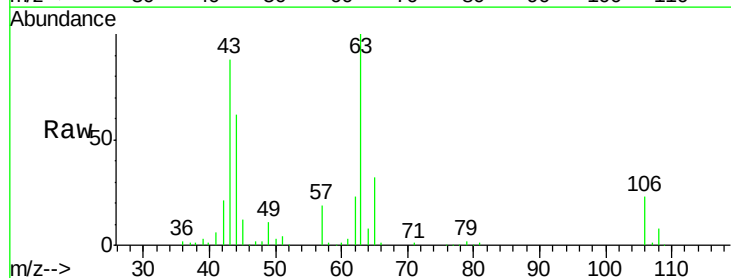
Acq: 25 Jun 2018 15:47

Tgt Ion: 63 Resp: 340104

Ion Ratio Lower Upper

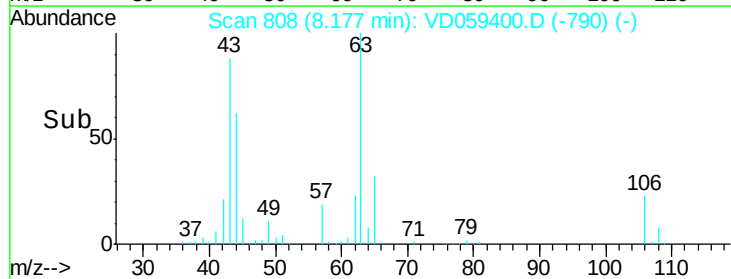
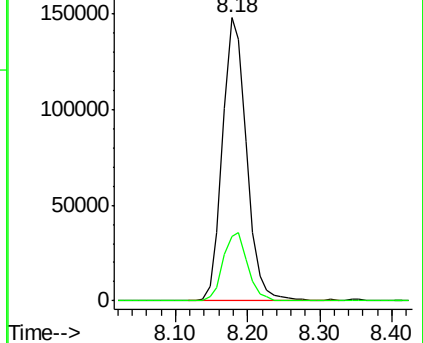
63 100

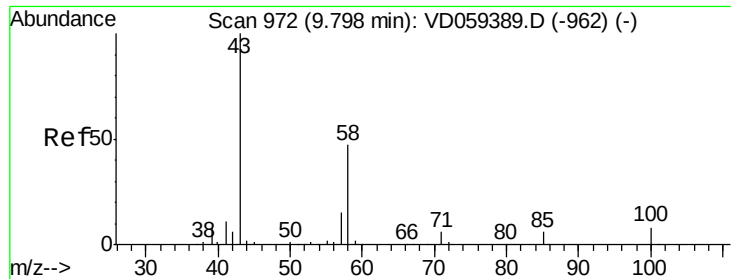
106 22.9 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

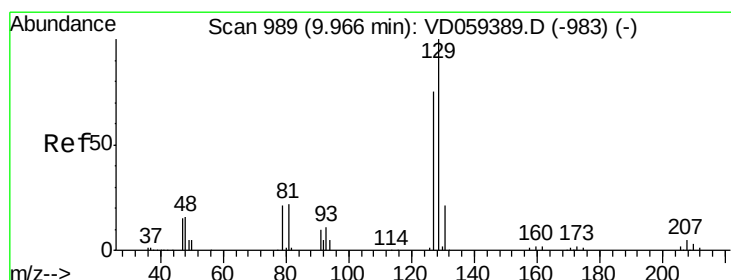
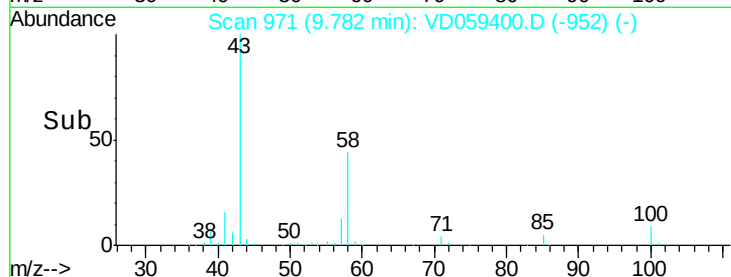
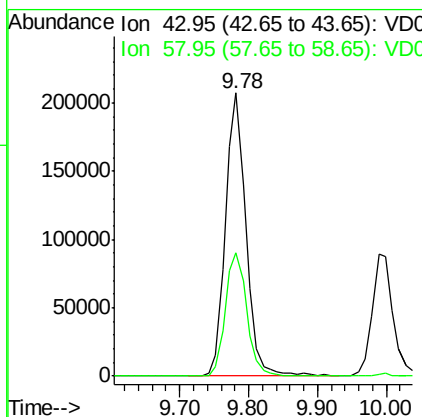
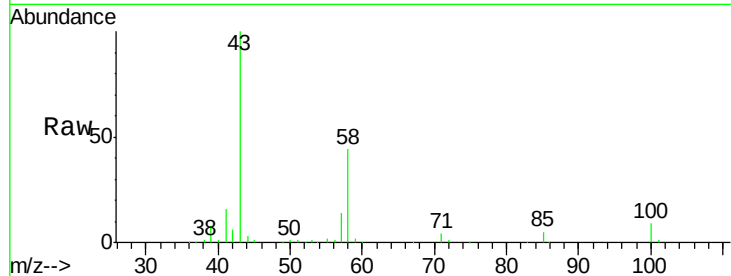




#59
2-Hexanone
Concen: 112.44 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

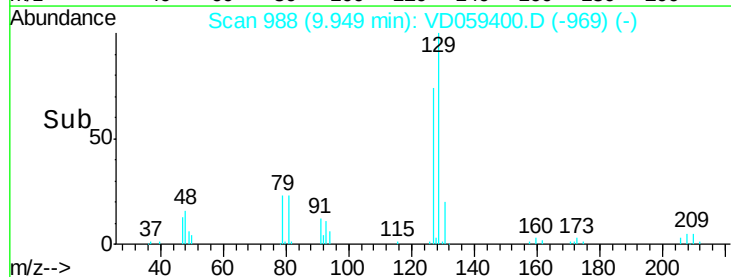
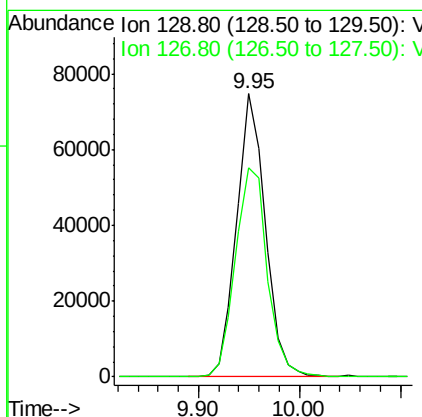
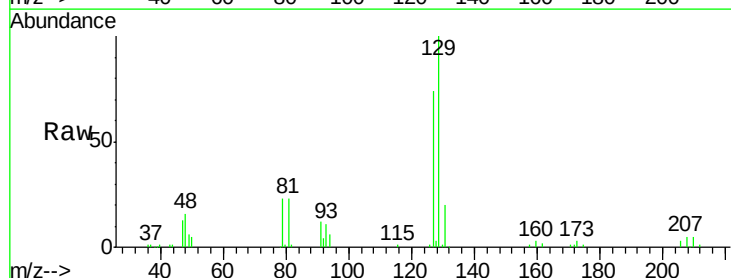
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

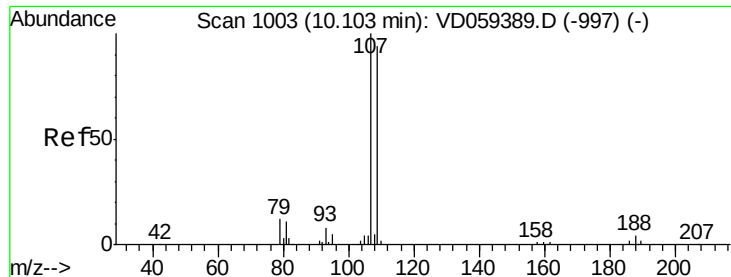
Tot Ion: 43 Resp: 426171
Ion Ratio Lower Upper
43 100
58 43.7 23.3 69.9



#60
Dibromochloromethane
Concen: 19.48 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion:129 Resp: 148555
Ion Ratio Lower Upper
129 100
127 74.1 37.3 111.8





#61

1,2-Dibromoethane

Concen: 20.32 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

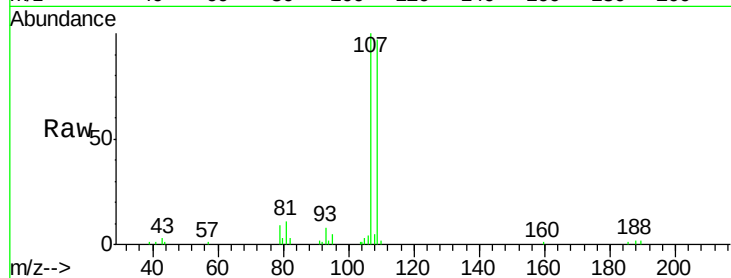
VD0625SBS02

Tot Ion:107 Resp: 123189

Ion Ratio Lower Upper

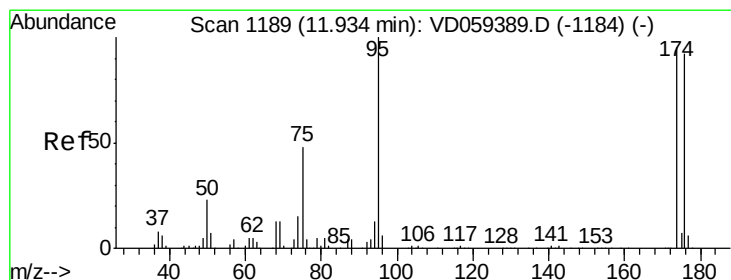
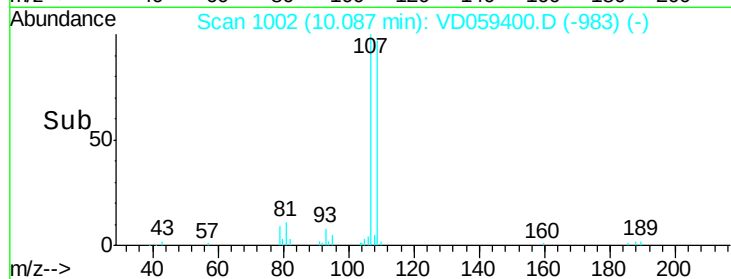
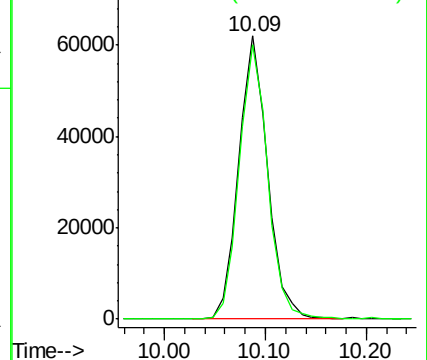
107 100

109 97.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.32 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

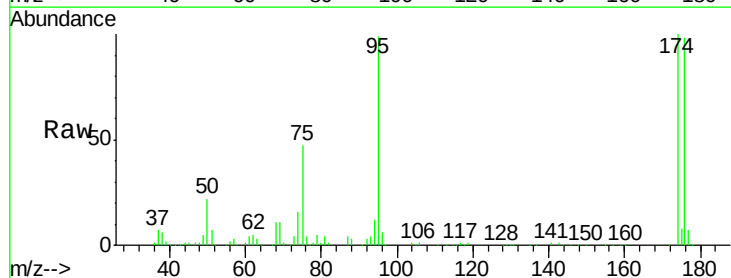
Tgt Ion: 95 Resp: 431605

Ion Ratio Lower Upper

95 100

174 101.3 0.0 190.4

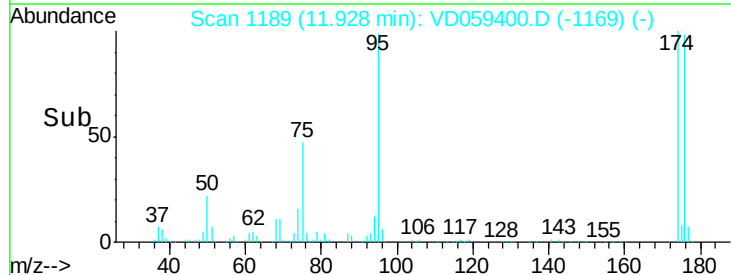
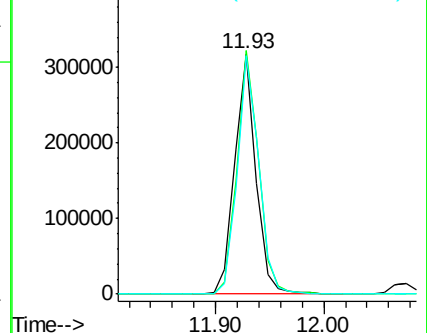
176 99.3 0.0 183.2

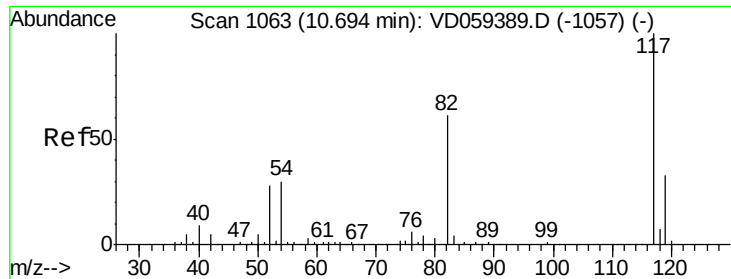


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

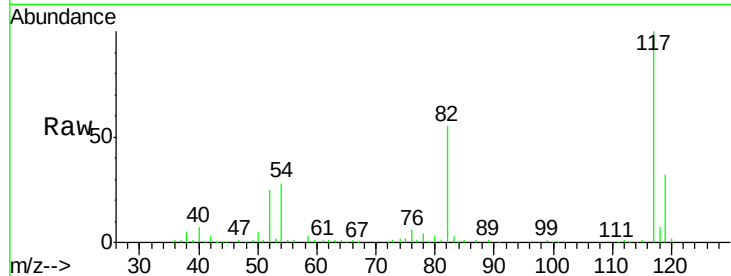




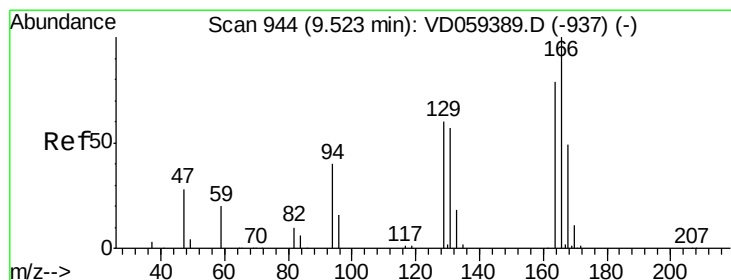
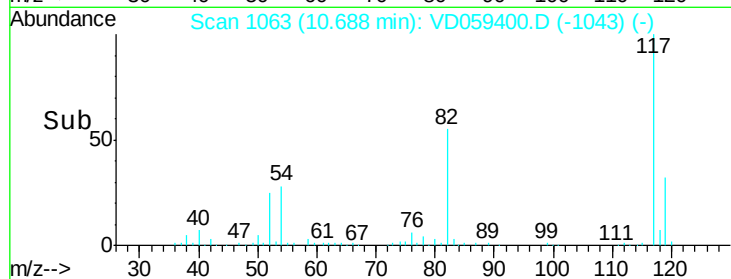
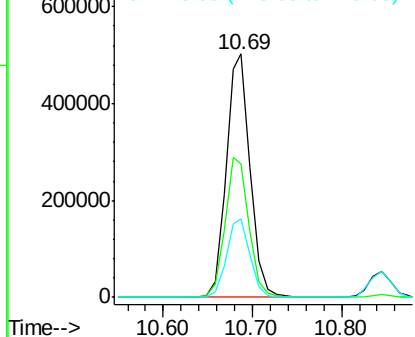
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion:117 Resp: 947266
Ion Ratio Lower Upper
117 100
82 55.0 49.0 73.6
119 32.5 26.2 39.4



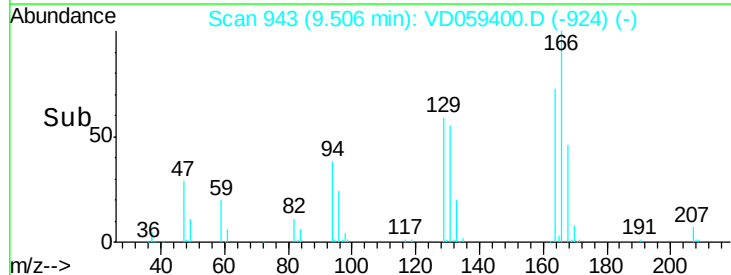
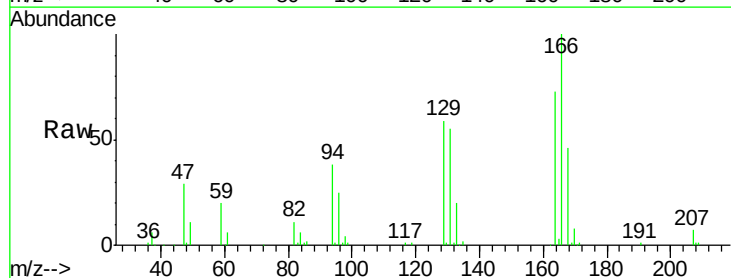
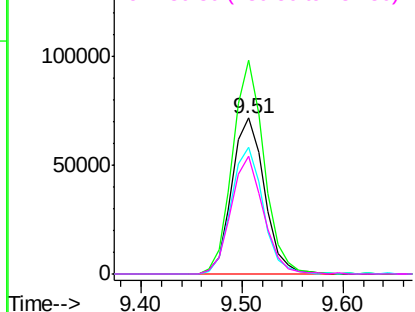
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

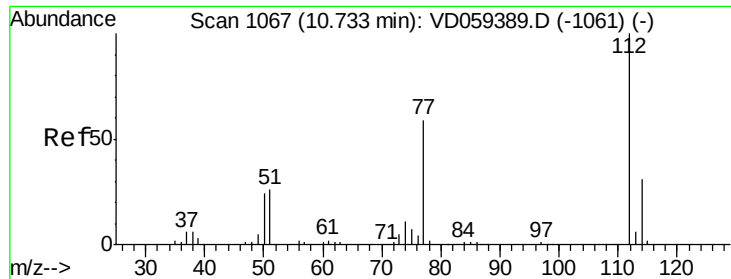


#64
Tetrachloroethene
Concen: 19.41 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion:164 Resp: 161305
Ion Ratio Lower Upper
164 100
166 136.9 101.4 152.2
129 81.3 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

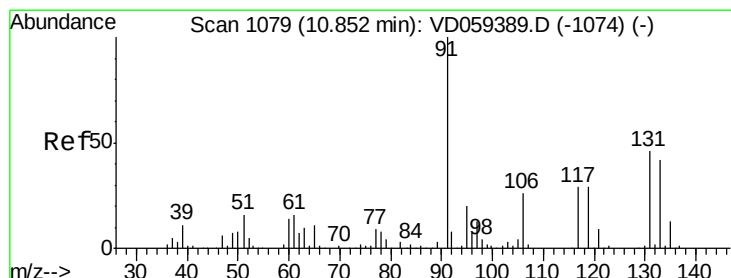
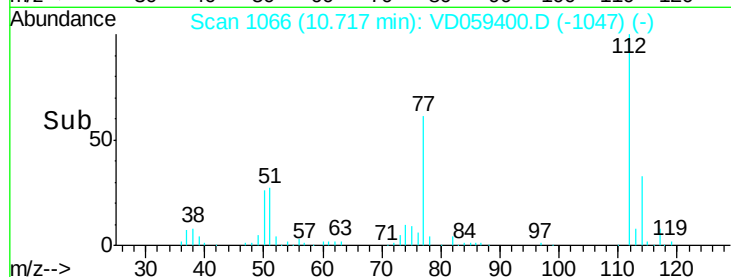
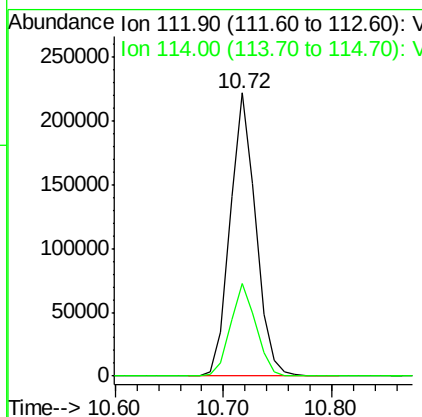
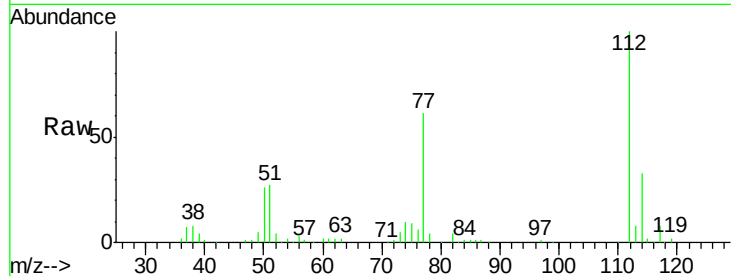




#65
Chlorobenzene
Concen: 21.14 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

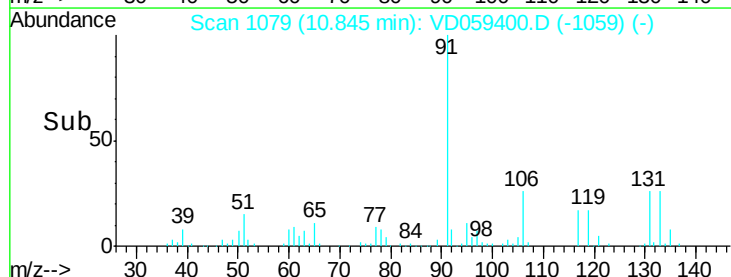
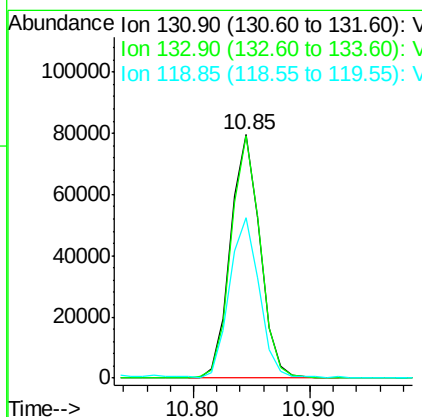
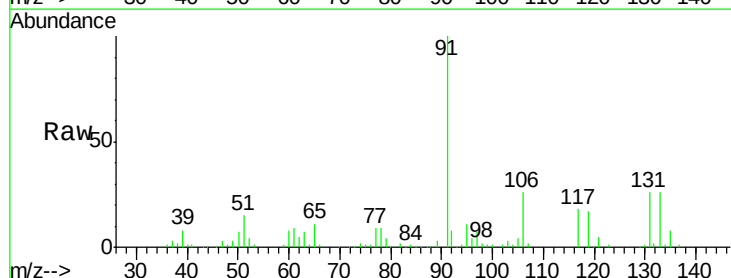
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

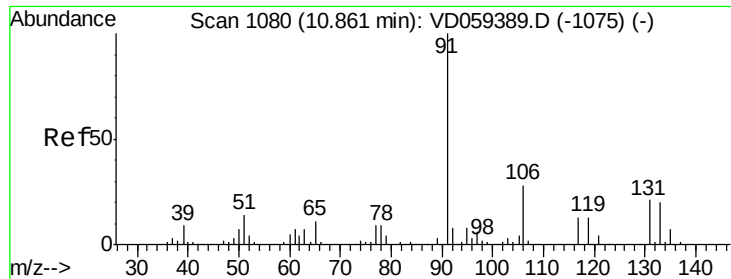
Tot Ion:112 Resp: 366200
Ion Ratio Lower Upper
112 100
114 32.9 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.98 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion:131 Resp: 139504
Ion Ratio Lower Upper
131 100
133 99.4 45.7 137.1
119 66.0 32.3 96.9

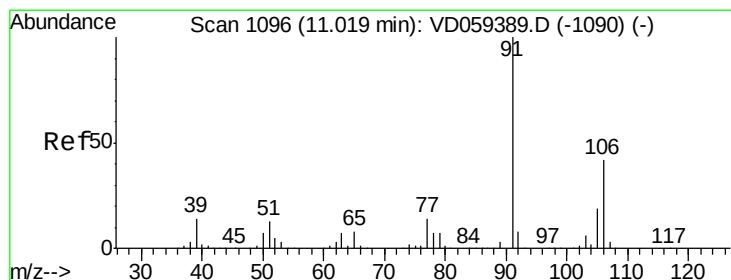
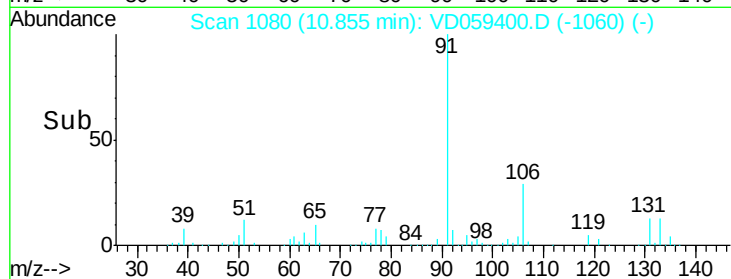
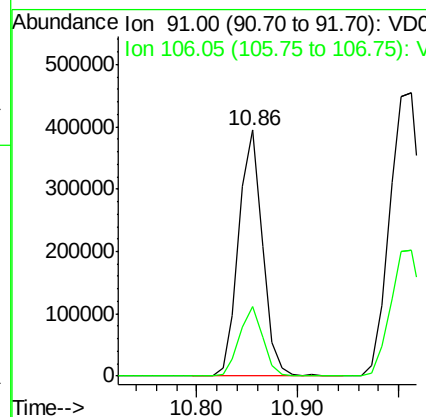
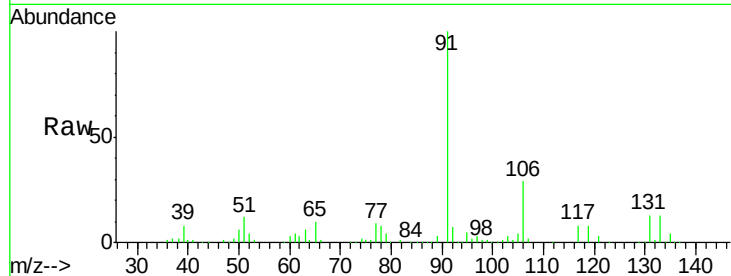




#67
Ethyl Benzene
Concen: 22.13 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

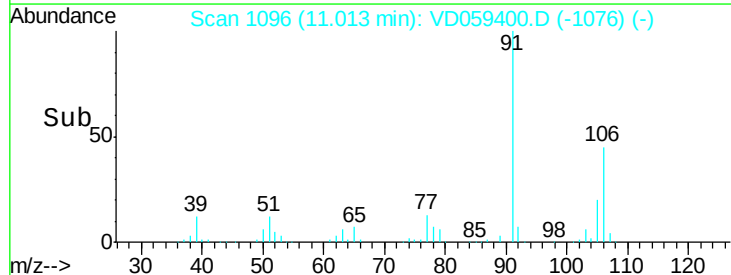
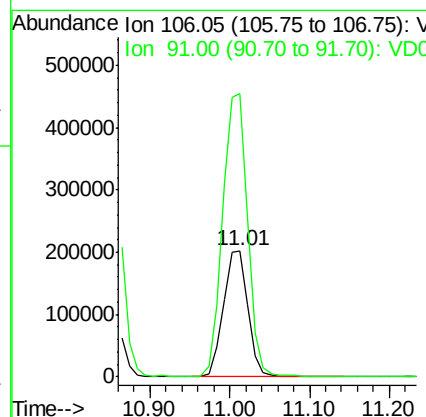
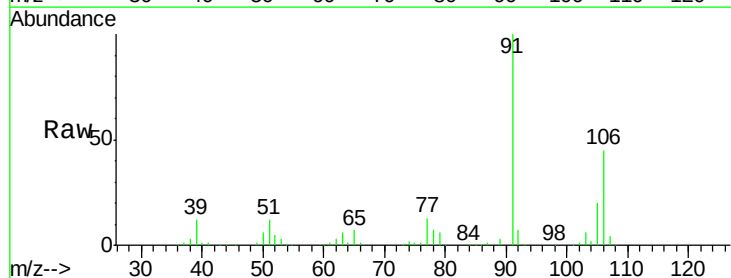
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

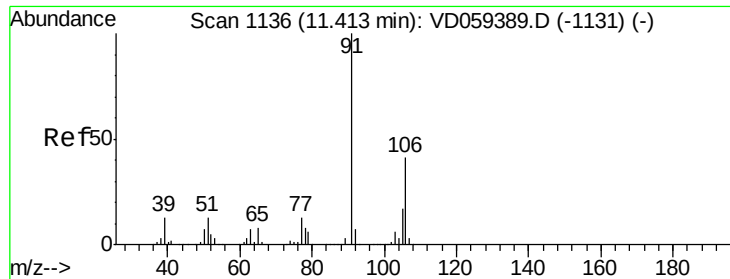
Tot Ion: 91 Resp: 646855
Ion Ratio Lower Upper
91 100
106 28.5 22.3 33.5



#68
m/p-Xylenes
Concen: 45.38 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 106 Resp: 440035
Ion Ratio Lower Upper
106 100
91 224.1 191.0 286.6

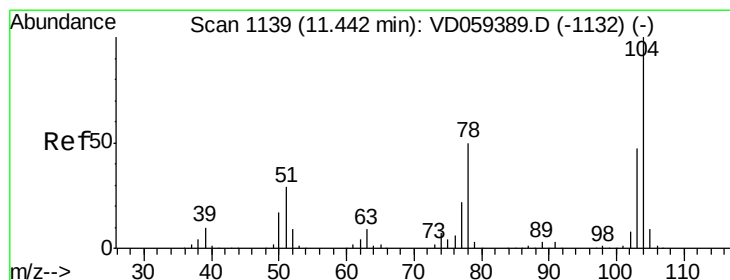
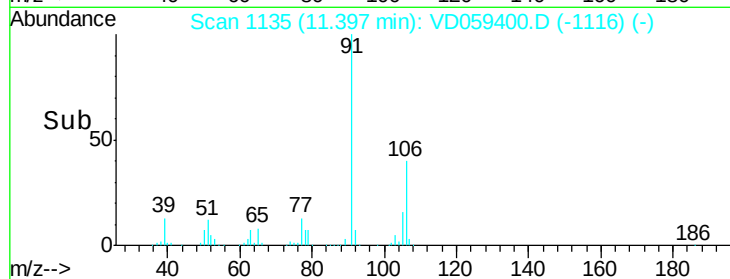
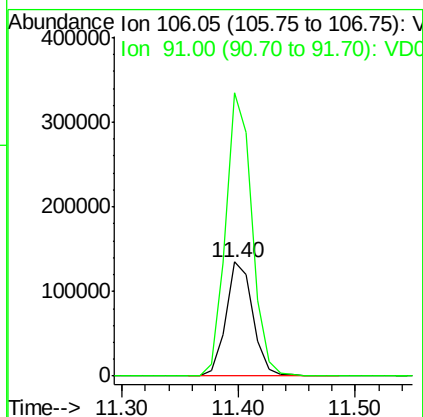
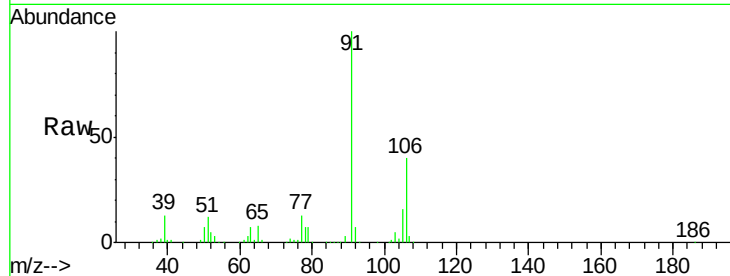




#69
o-Xylene
Concen: 22.44 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

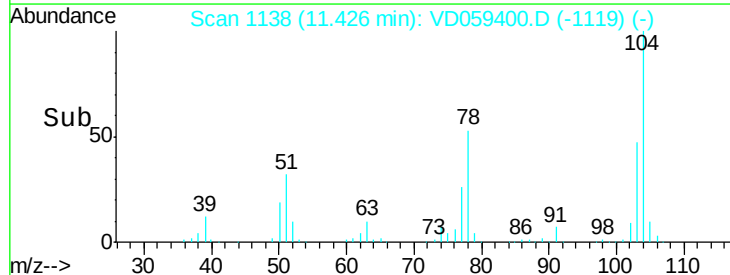
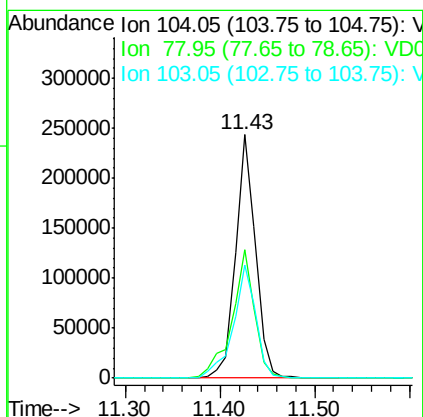
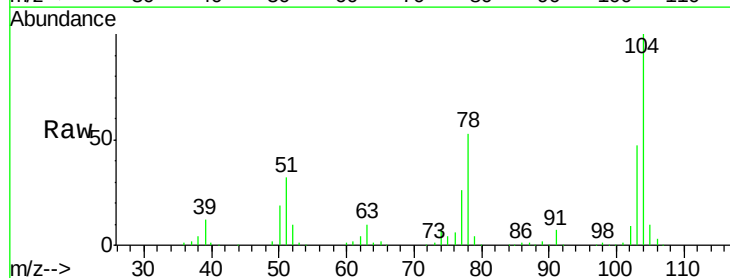
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

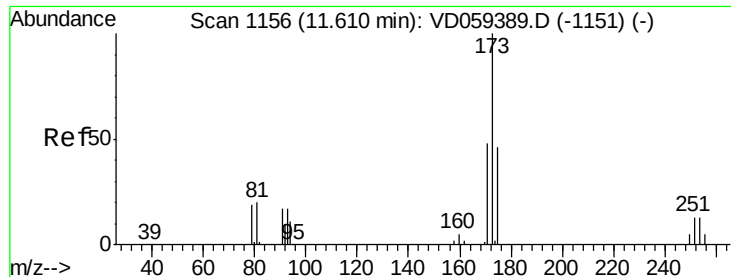
Tot Ion:106 Resp: 215170
Ion Ratio Lower Upper
106 100
91 247.6 121.0 362.8



#70
Styrene
Concen: 21.76 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion:104 Resp: 357567
Ion Ratio Lower Upper
104 100
78 52.6 40.2 60.4
103 46.5 37.8 56.8





#71

Bromoform

Concen: 19.65 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

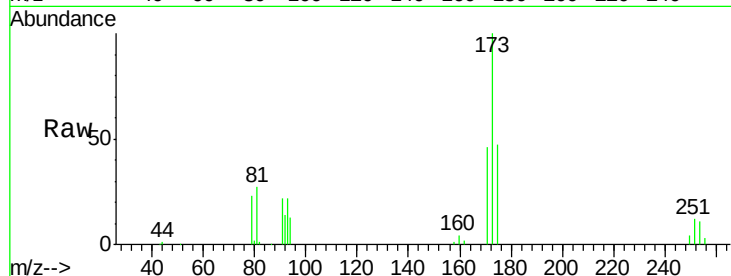
Tot Ion:173 Resp: 108228

Ion Ratio Lower Upper

173 100

175 46.8 22.8 68.4

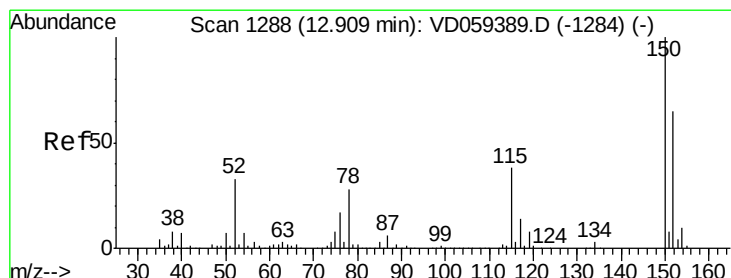
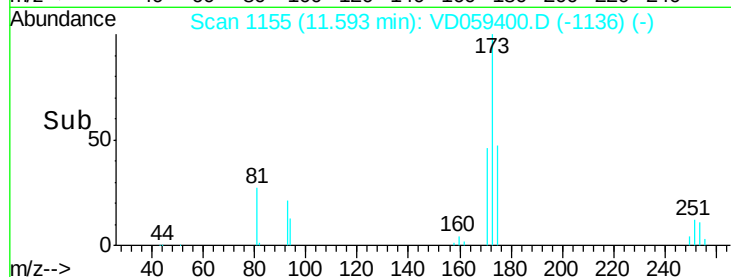
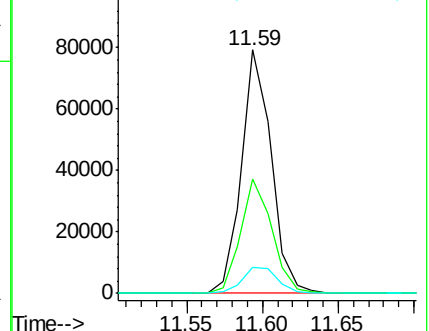
254 10.9 10.1 15.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

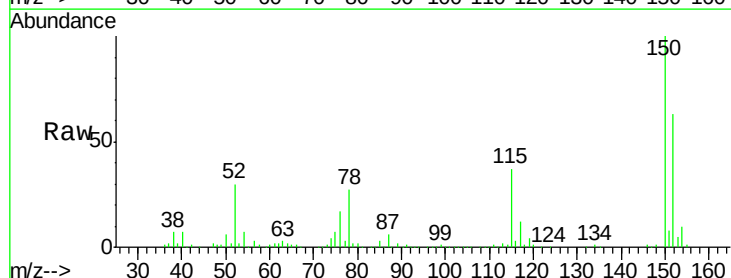
Tgt Ion:152 Resp: 497210

Ion Ratio Lower Upper

152 100

115 57.9 29.4 88.3

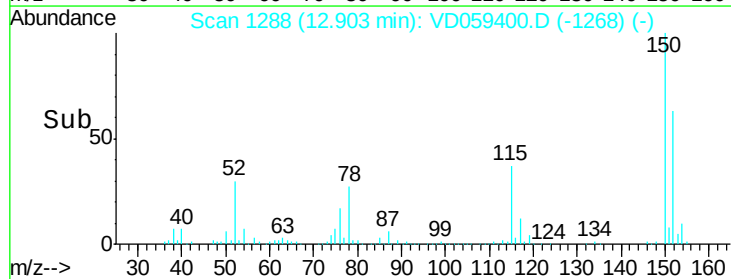
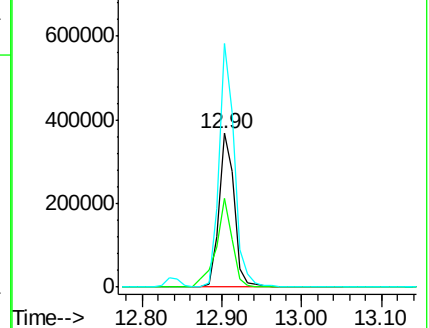
150 158.6 0.0 308.2

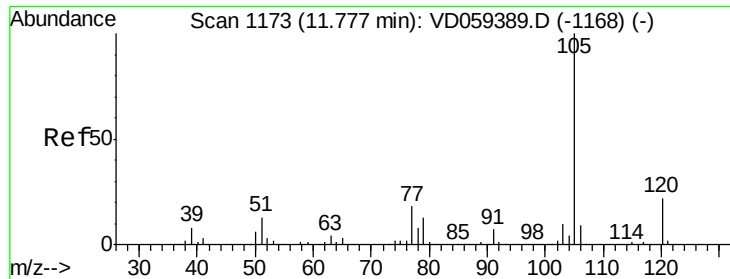


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.42 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

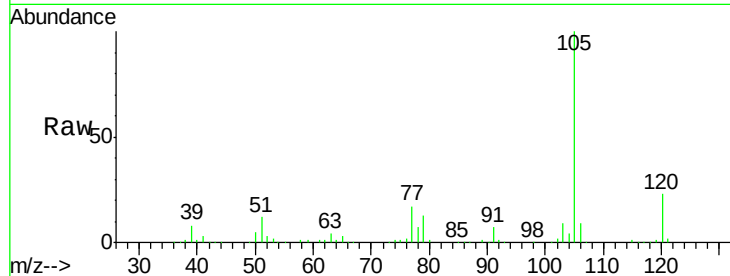
VD0625SBS02

Tot Ion:105 Resp: 600905

Ion Ratio Lower Upper

105 100

120 23.0 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

400000

300000

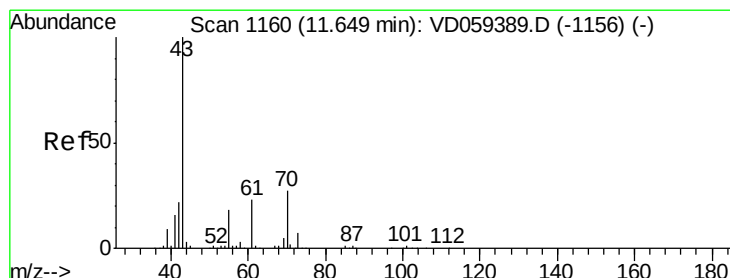
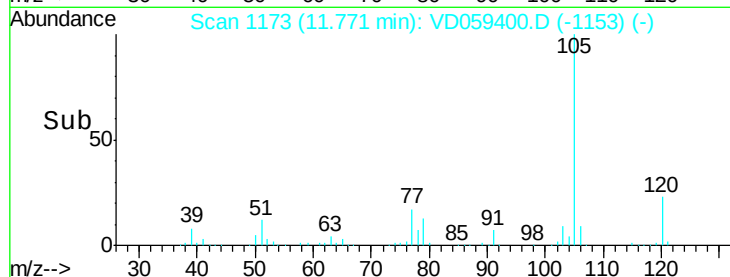
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.86 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Tgt Ion: 43 Resp: 222672

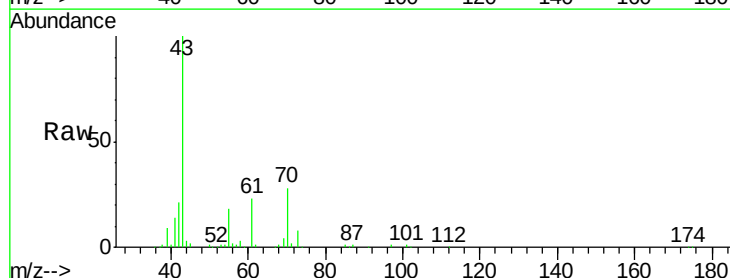
Ion Ratio Lower Upper

43 100

70 27.9 21.7 32.5

55 18.4 14.6 22.0

61 23.5 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

11.64

250000

200000

150000

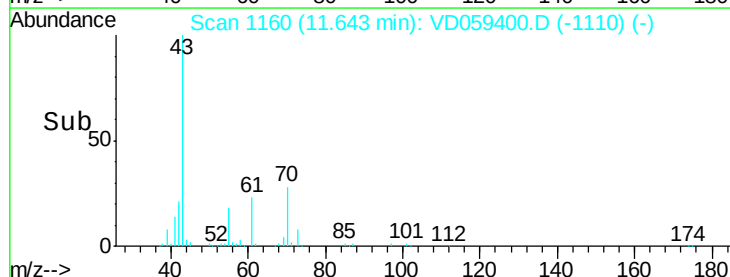
100000

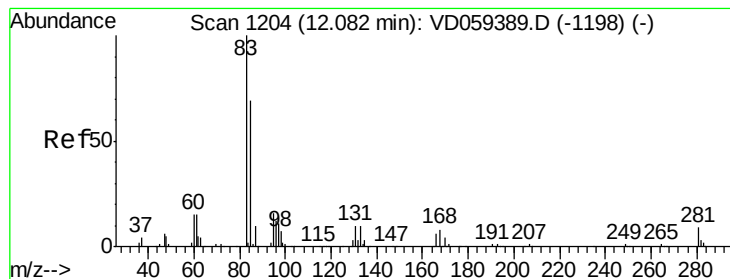
50000

0

Time-->

11.50 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 20.44 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

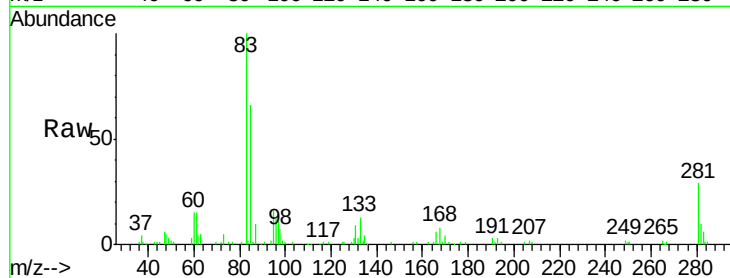
Tot Ion: 83 Resp: 134557

Ion Ratio Lower Upper

83 100

131 8.7 4.9 14.6

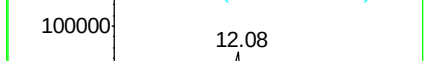
85 66.2 34.6 103.8



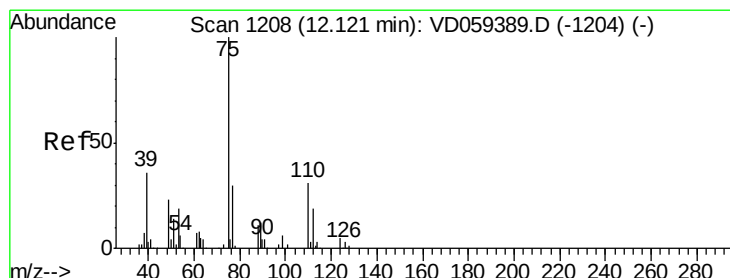
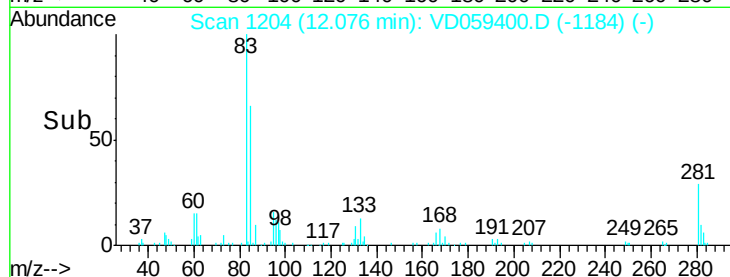
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.79 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059400.D

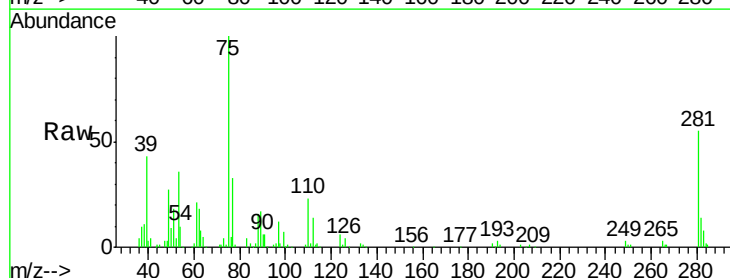
Acq: 25 Jun 2018 15:47

Tgt Ion: 75 Resp: 142565

Ion Ratio Lower Upper

75 100

77 32.6 15.6 46.8

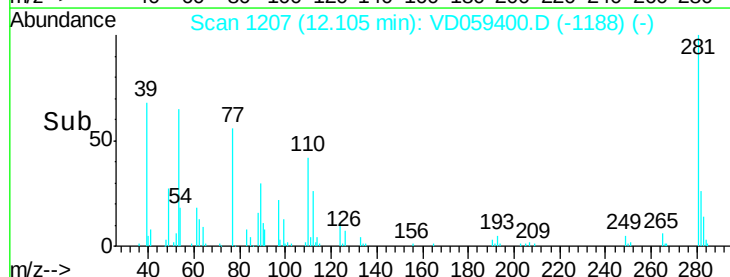


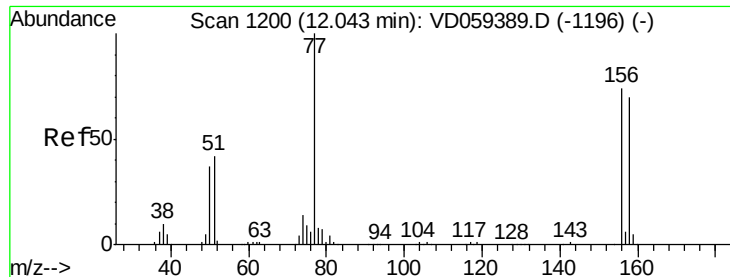
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->

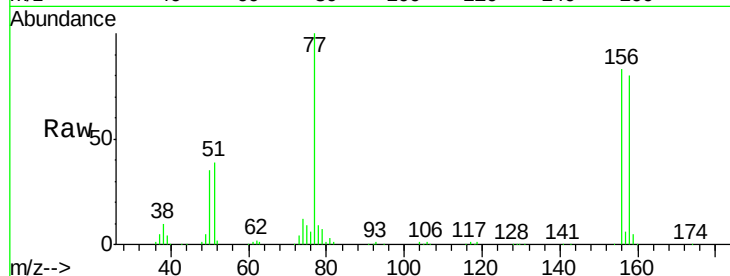




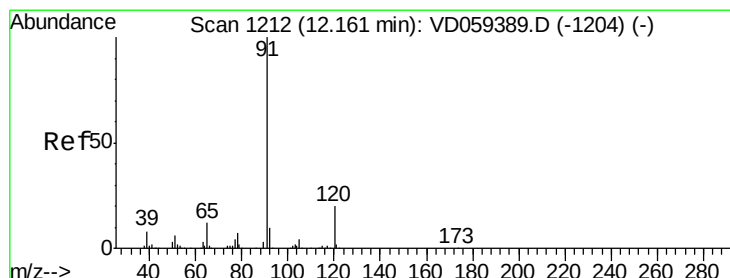
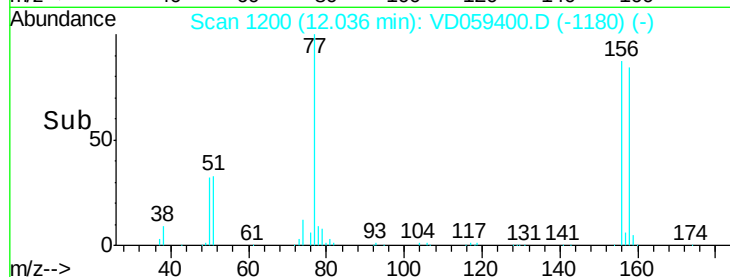
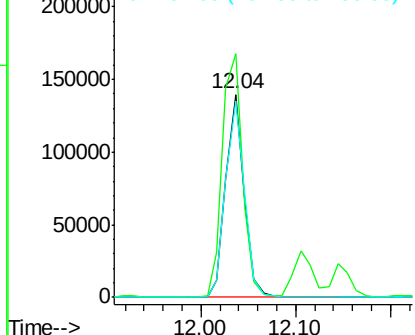
#77
Bromobenzene
Concen: 21.31 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion:156 Resp: 188164
Ion Ratio Lower Upper
156 100
77 120.0 68.0 203.8
158 96.5 47.7 143.1

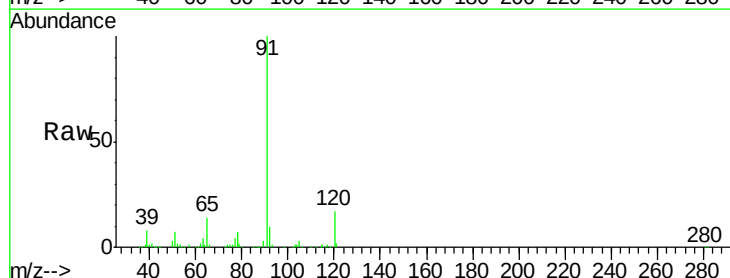


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

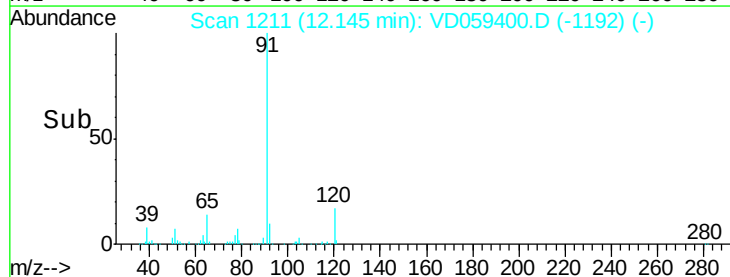
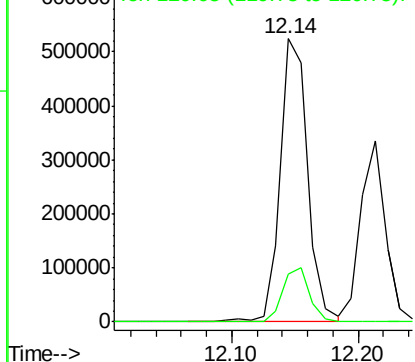


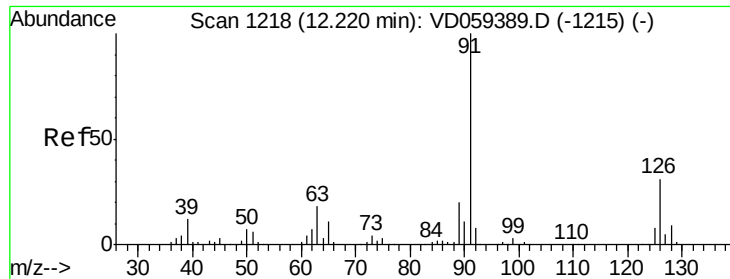
#78
n-propylbenzene
Concen: 22.25 ug/l
RT: 12.14 min Scan# 1211
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 91 Resp: 790804
Ion Ratio Lower Upper
91 100
120 17.0 10.0 29.8



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

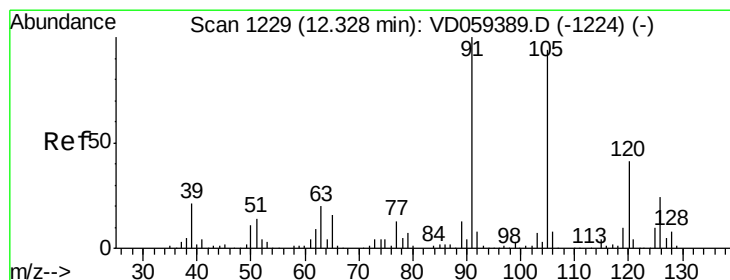
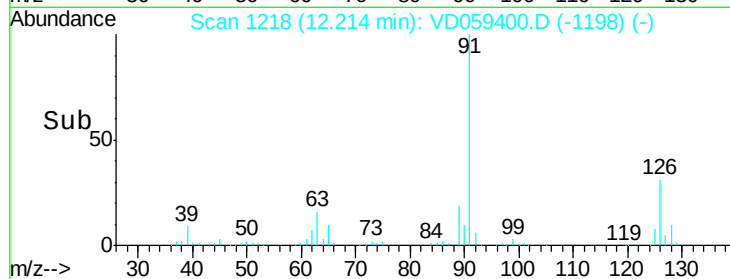
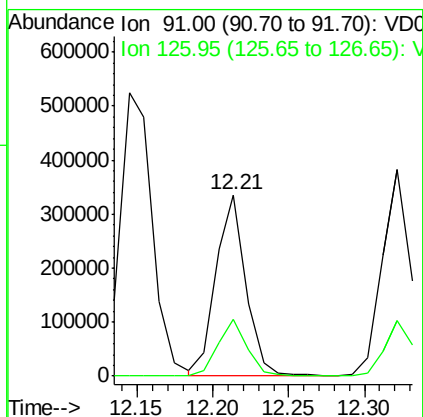
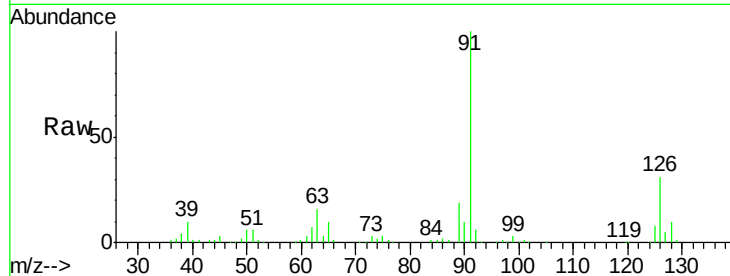




#79
 2-Chlorotoluene
 Concen: 22.21 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

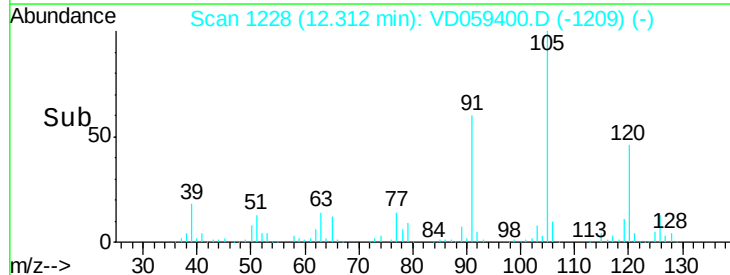
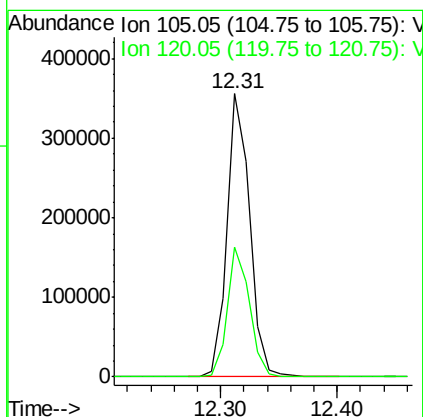
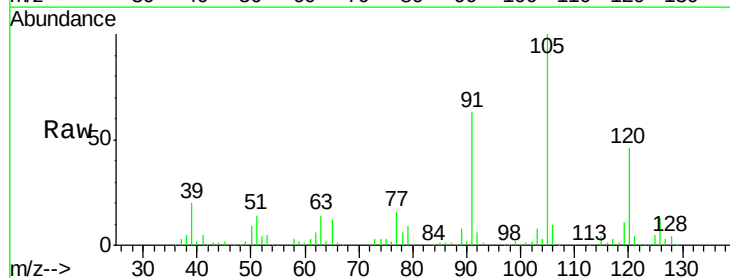
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

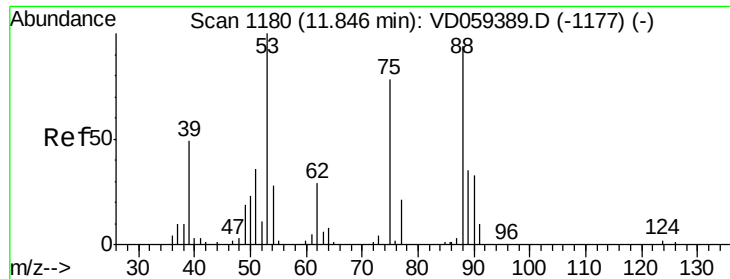
Tot Ion: 91 Resp: 463571
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.45 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 105 Resp: 479122
 Ion Ratio Lower Upper
 105 100
 120 46.0 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.61 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059400.D

Acq: 25 Jun 2018 15:47

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

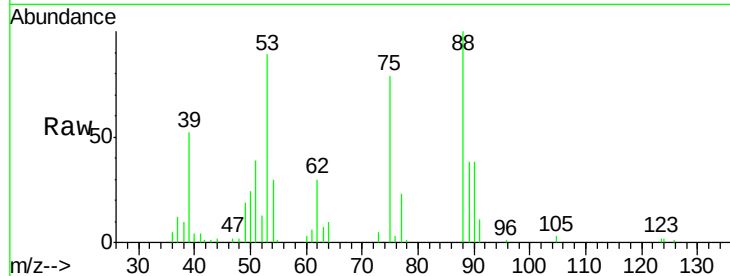
Tot Ion: 75 Resp: 33679

Ion Ratio Lower Upper

75 100

53 113.6 102.6 154.0

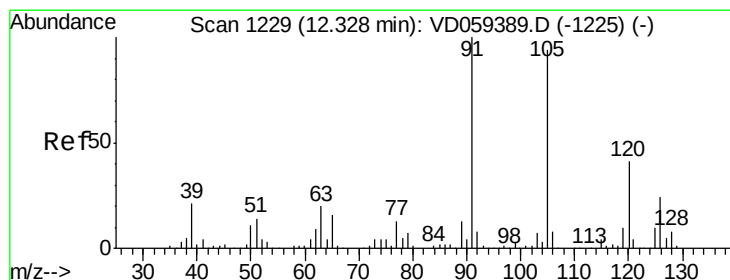
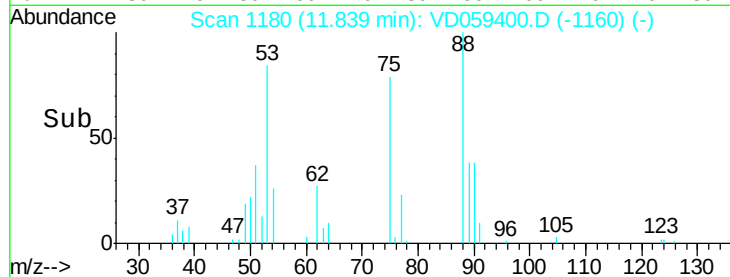
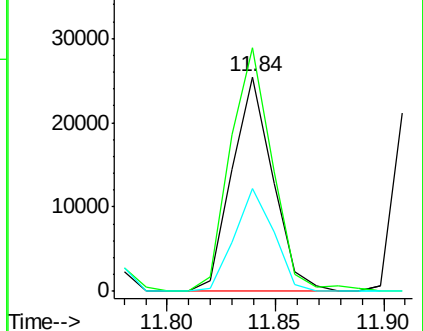
89 48.2 35.9 53.9



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: 21.52 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059400.D

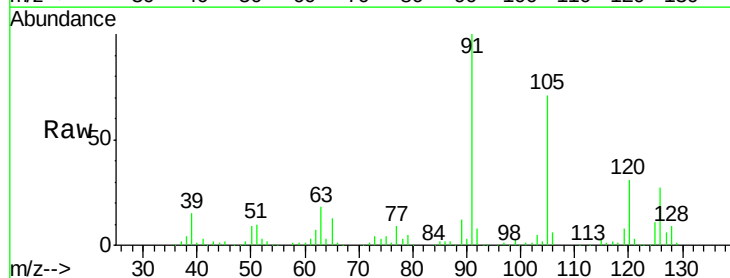
Acq: 25 Jun 2018 15:47

Tgt Ion: 91 Resp: 509224

Ion Ratio Lower Upper

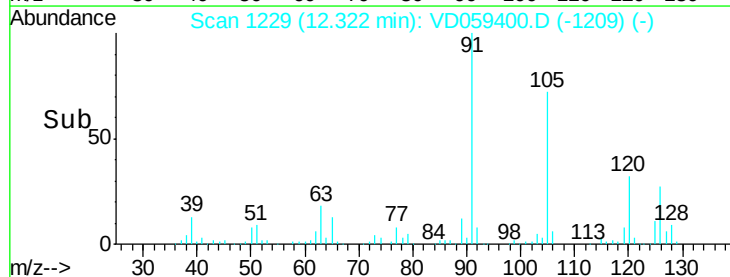
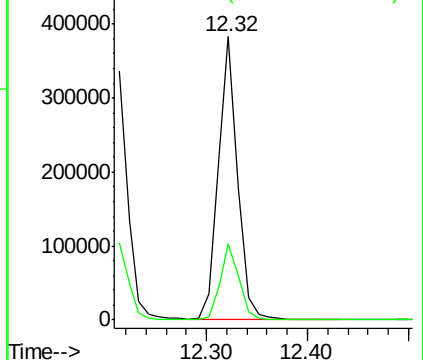
91 100

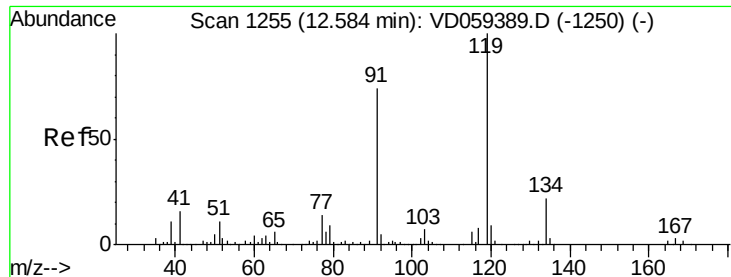
126 26.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

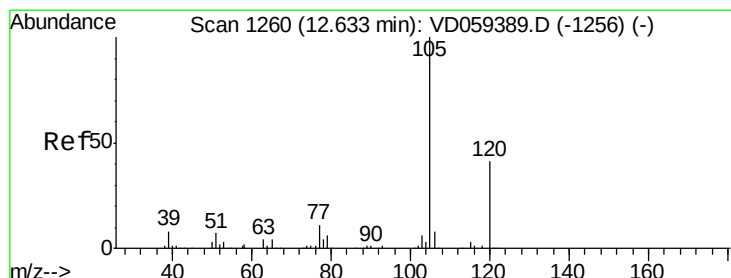
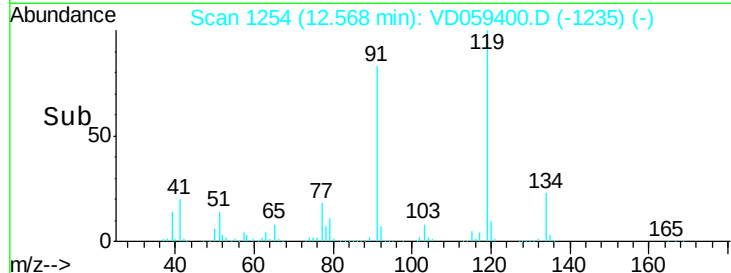
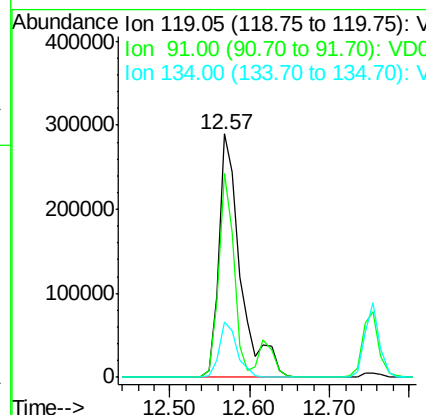
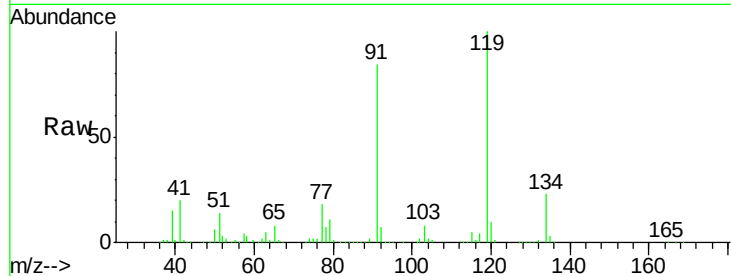




#83
 tert-Butylbenzene
 Concen: 23.30 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

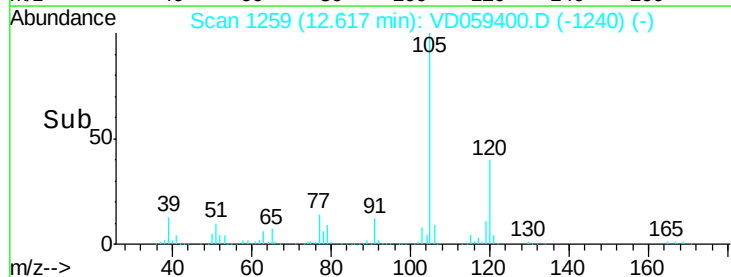
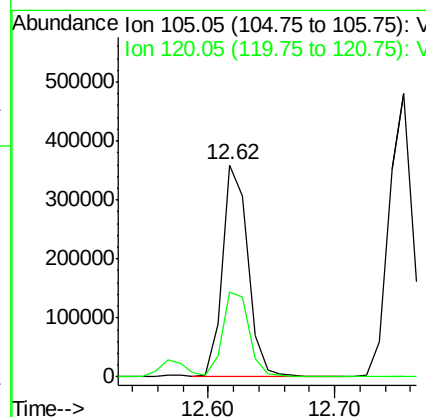
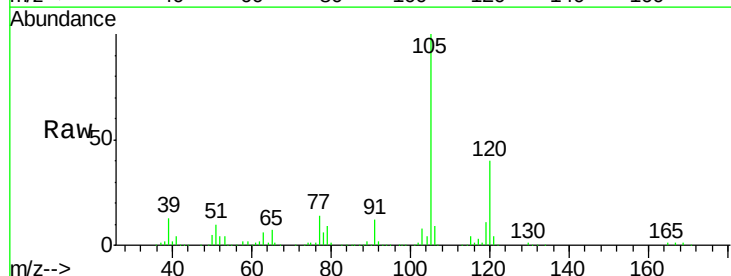
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

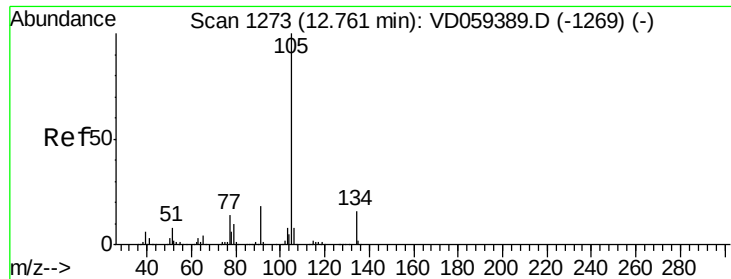
Tot Ion:119 Resp: 553524
 Ion Ratio Lower Upper
 119 100
 91 83.6 36.9 110.7
 134 22.7 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.15 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion:105 Resp: 499949
 Ion Ratio Lower Upper
 105 100
 120 40.3 21.5 64.5

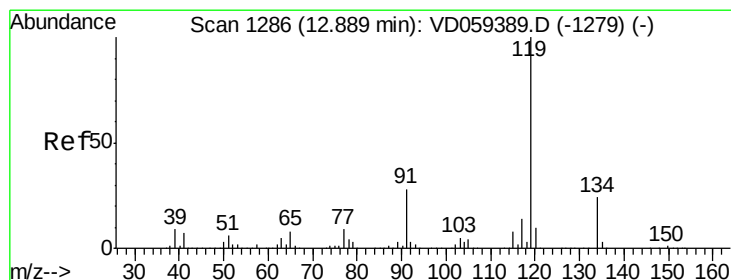
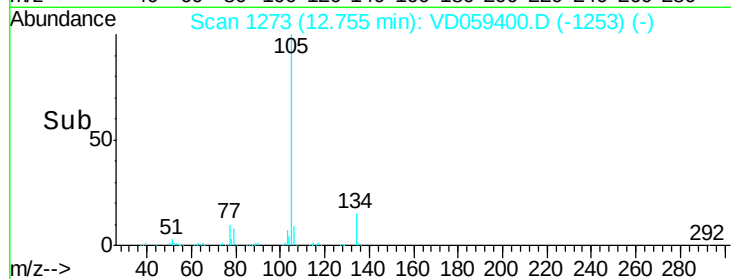
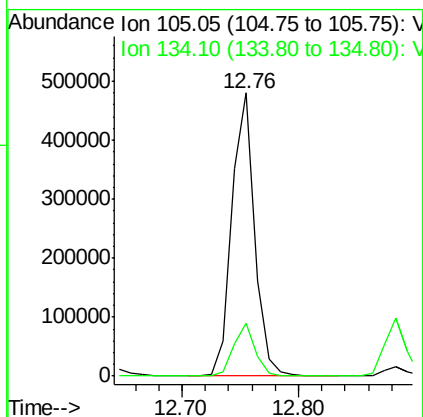
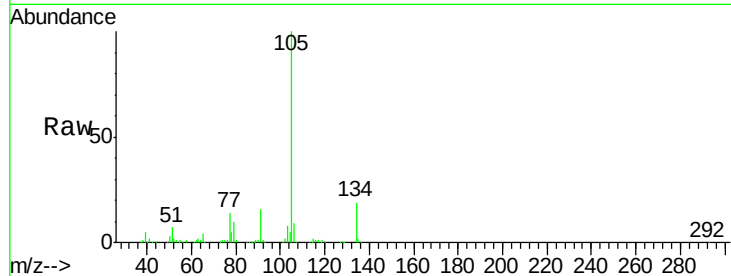




#85
 sec-Butylbenzene
 Concen: 22.16 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

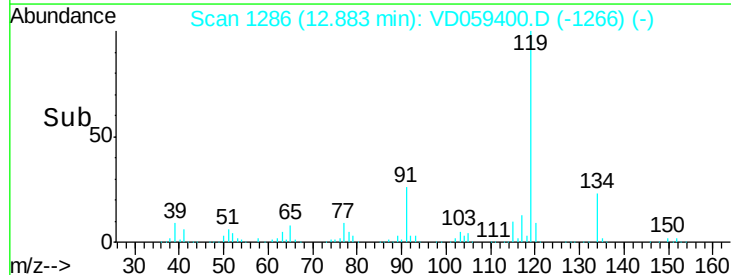
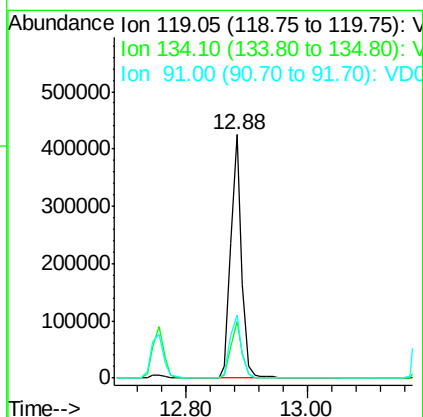
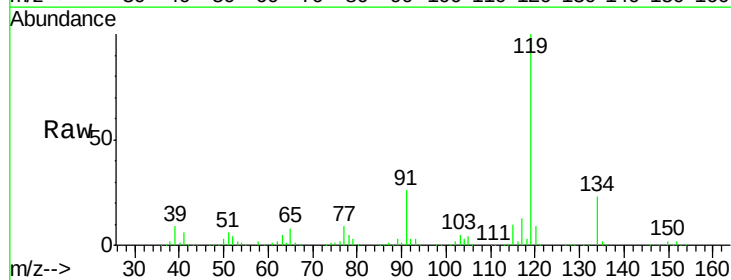
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0625SBS02

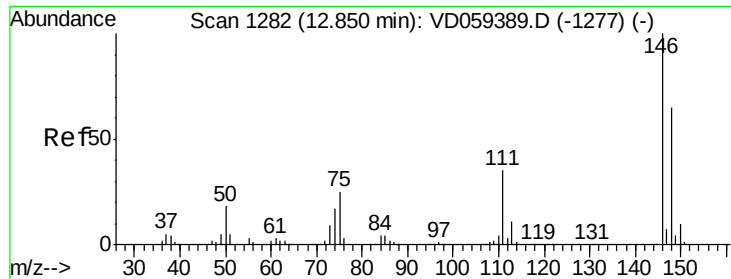
Tot Ion:105 Resp: 646062
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 22.36 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion:119 Resp: 525393
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.9 35.5
 91 25.9 14.1 42.4

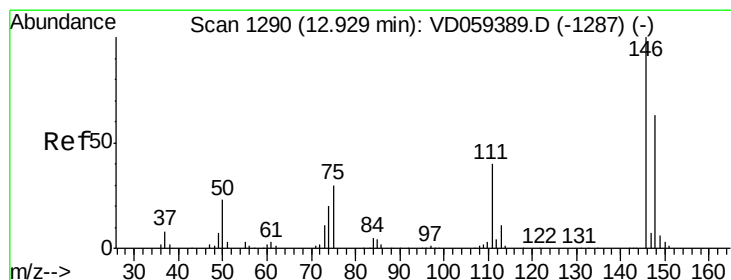
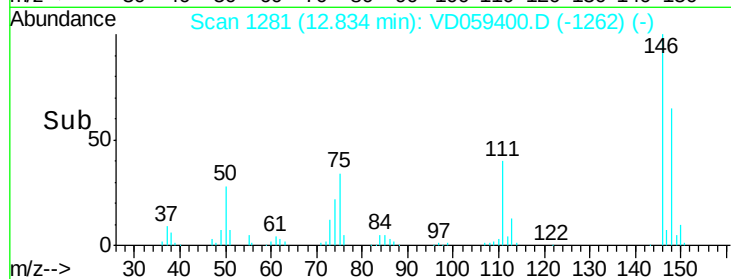
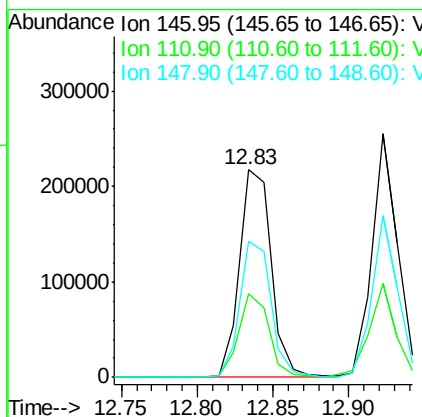
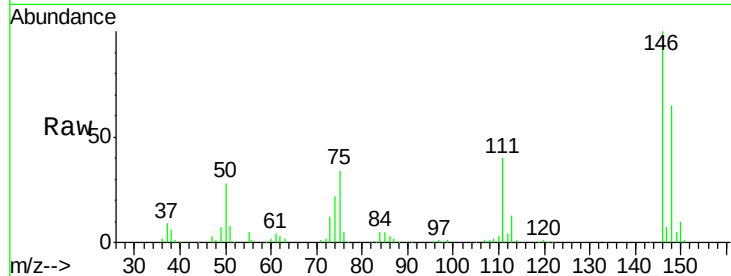




#87
 1,3-Dichlorobenzene
 Concen: 21.85 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

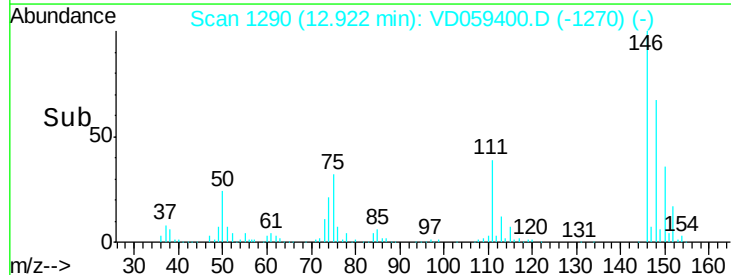
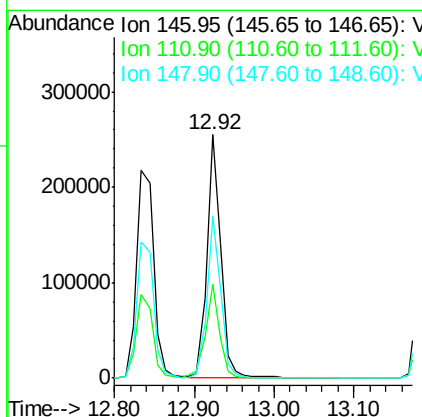
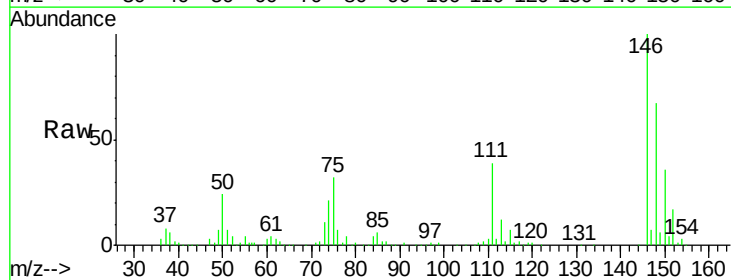
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

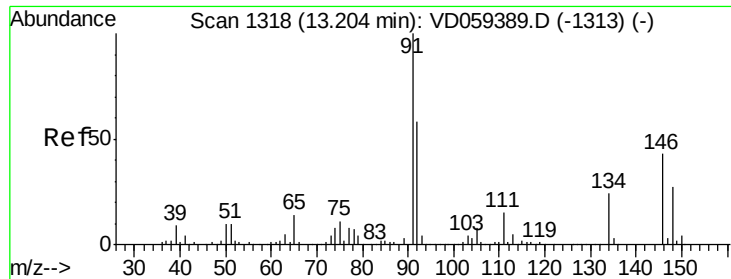
Tot Ion:146 Resp: 317419
 Ion Ratio Lower Upper
 146 100
 111 40.4 17.6 52.8
 148 65.4 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 21.78 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion:146 Resp: 312276
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.1 60.2
 148 66.6 31.4 94.0

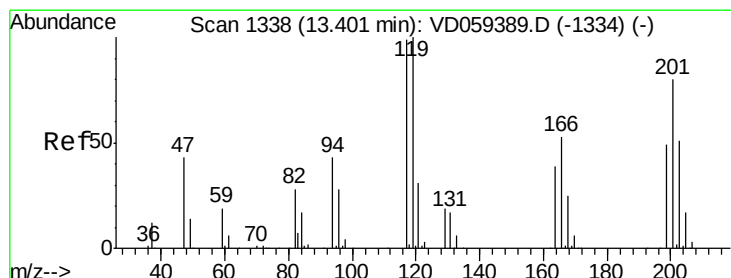
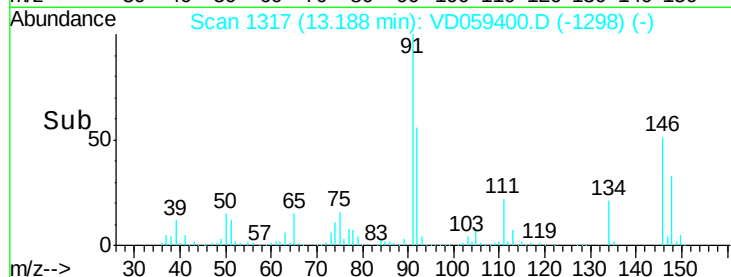
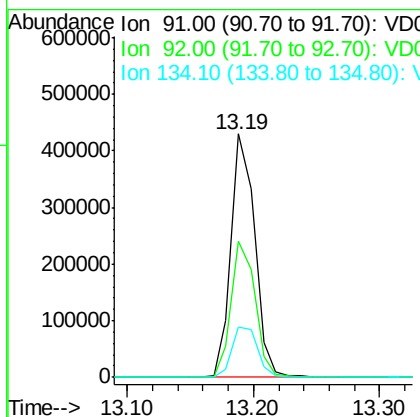
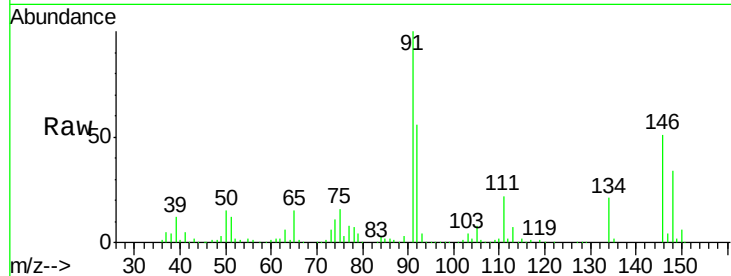




#89
n-Butylbenzene
Concen: 24.11 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

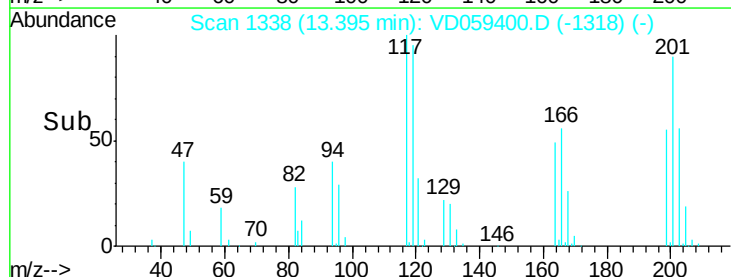
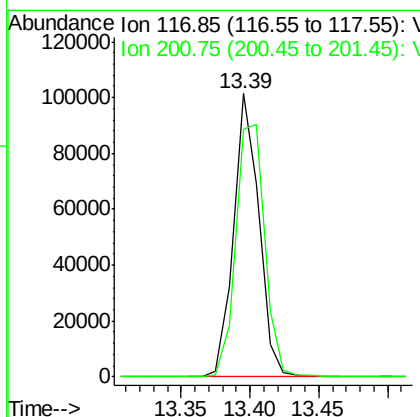
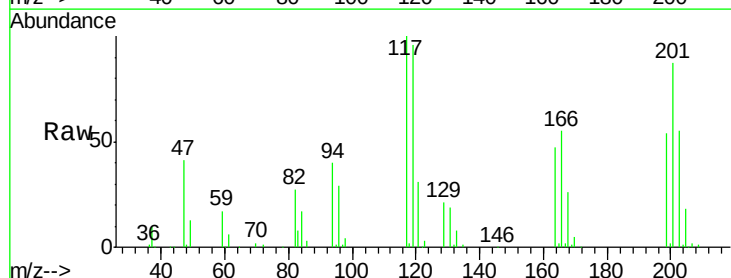
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

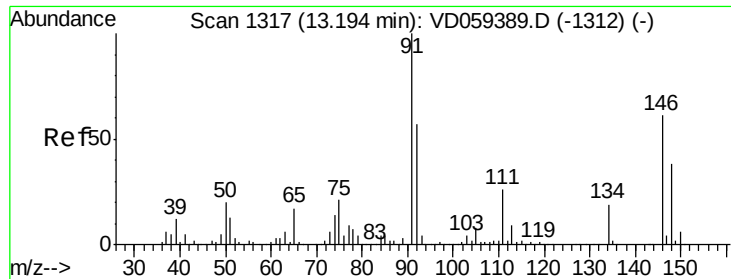
Tot Ion: 91 Resp: 559376
Ion Ratio Lower Upper
91 100
92 56.1 28.8 86.5
134 20.6 11.9 35.7



#90
Hexachloroethane
Concen: 22.09 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion: 117 Resp: 129502
Ion Ratio Lower Upper
117 100
201 87.4 40.1 120.3

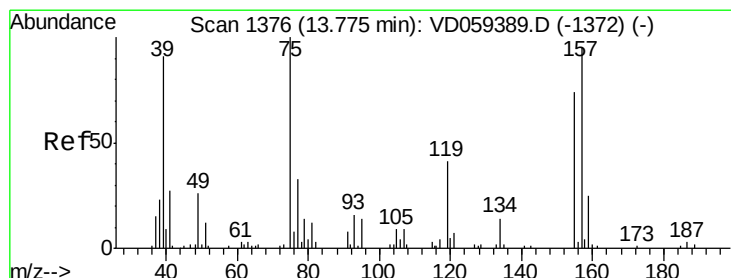
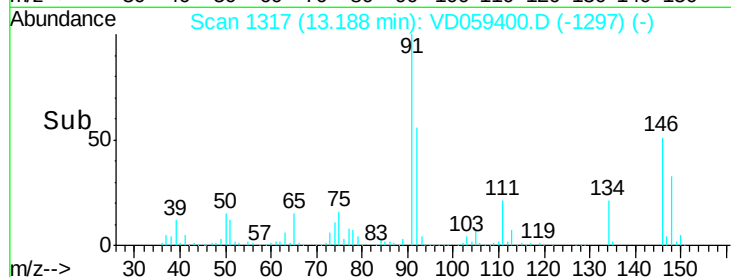
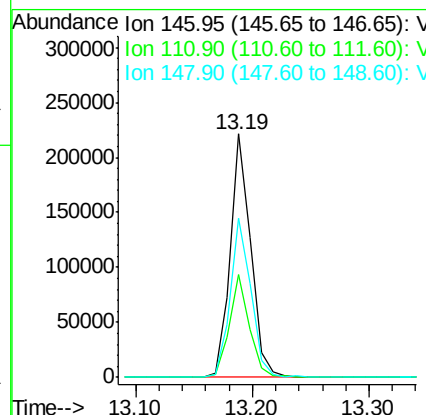
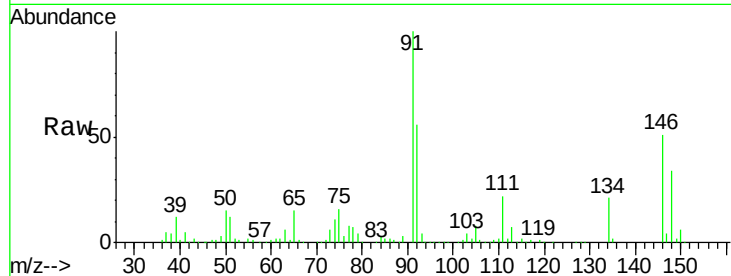




#91
 1,2-Dichlorobenzene
 Concen: 21.98 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

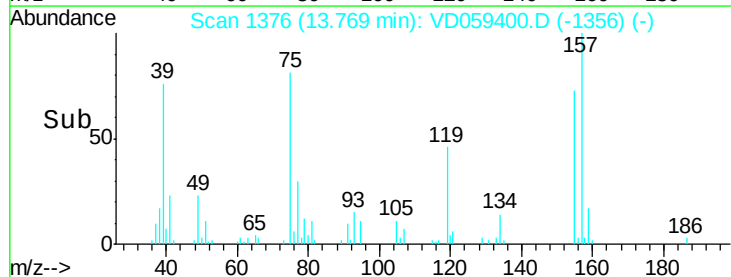
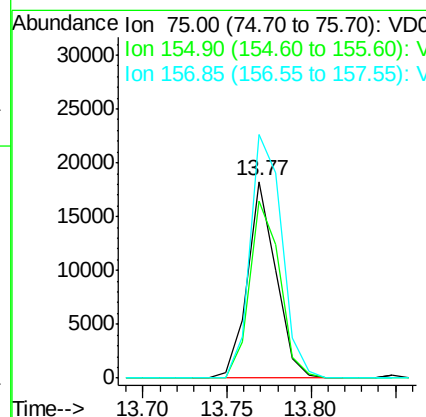
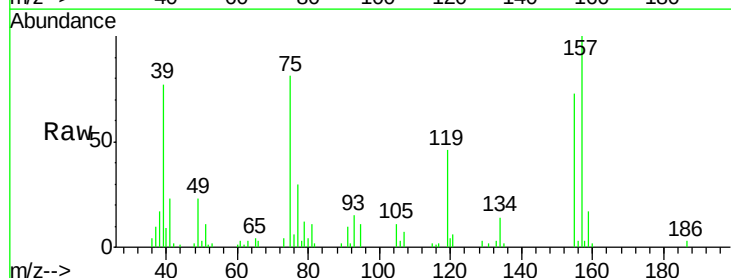
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

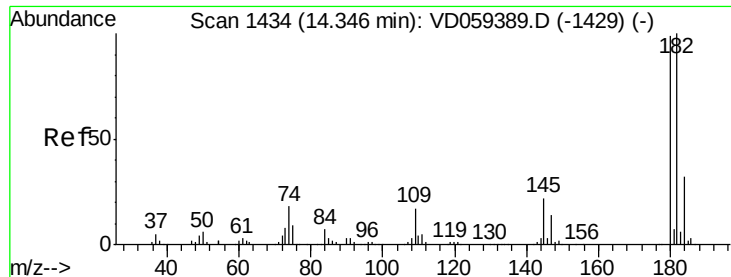
Tot Ion:146 Resp: 270729
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.4 64.2
 148 65.1 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.76 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion: 75 Resp: 21446
 Ion Ratio Lower Upper
 75 100
 155 89.8 37.2 111.6
 157 123.8 47.4 142.2

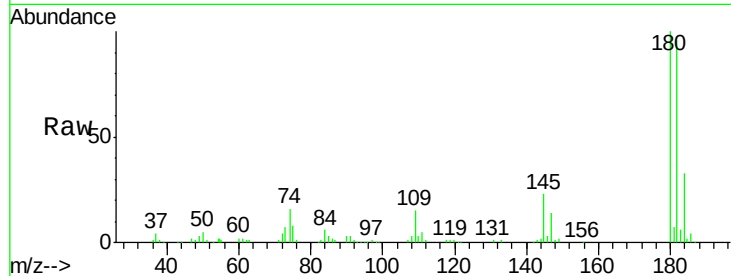




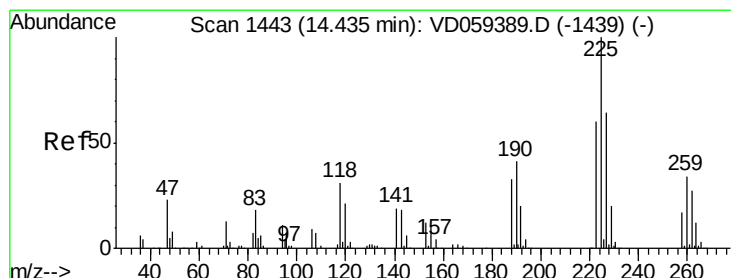
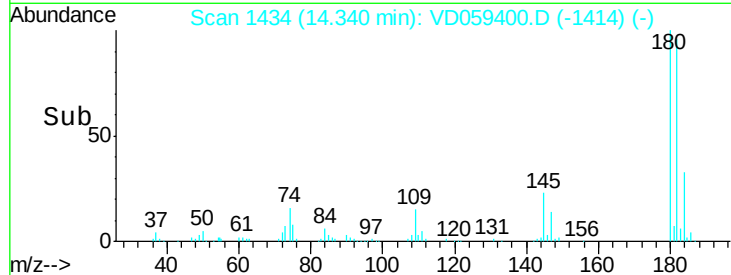
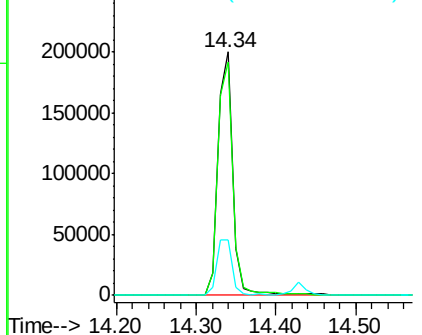
#93
 1,2,4-Trichlorobenzene
 Concen: 23.21 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Tot Ion:180 Resp: 264298
 Ion Ratio Lower Upper
 180 100
 182 95.9 50.4 151.2
 145 22.5 11.0 33.0

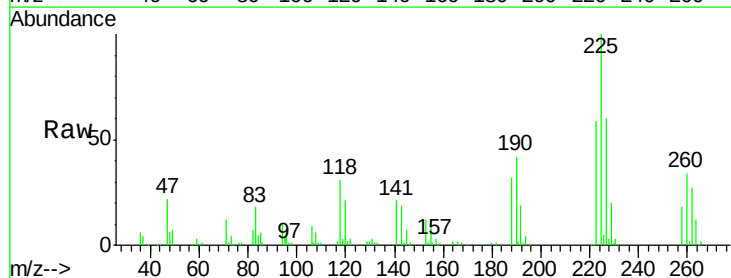


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

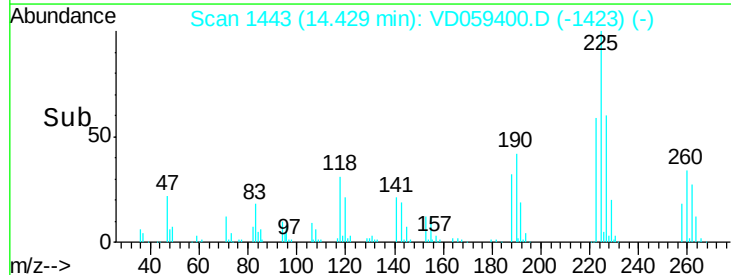
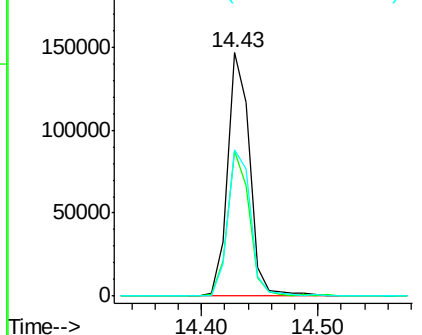


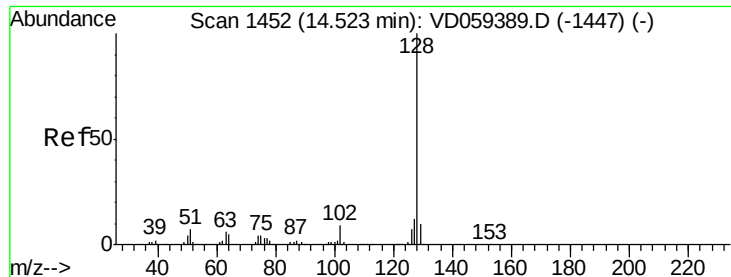
#94
 Hexachlorobutadiene
 Concen: 22.48 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059400.D
 Acq: 25 Jun 2018 15:47

Tgt Ion:225 Resp: 192647
 Ion Ratio Lower Upper
 225 100
 223 59.3 30.0 90.1
 227 60.3 32.1 96.5



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

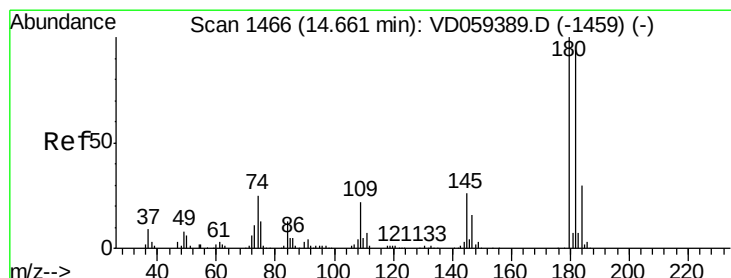
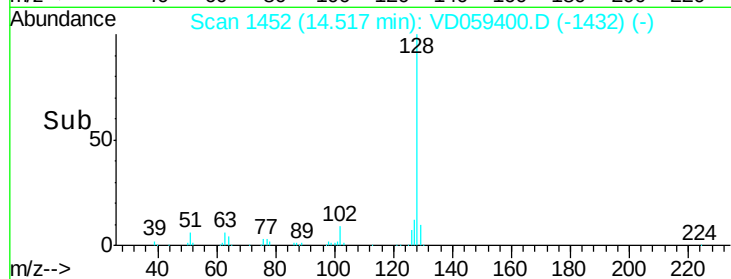
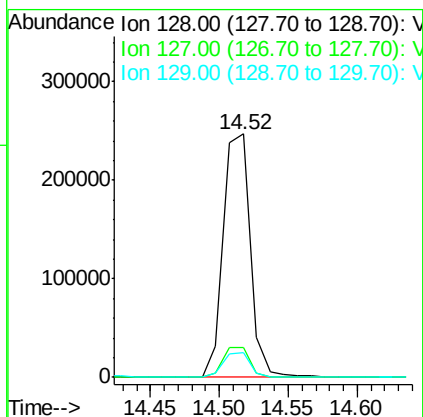
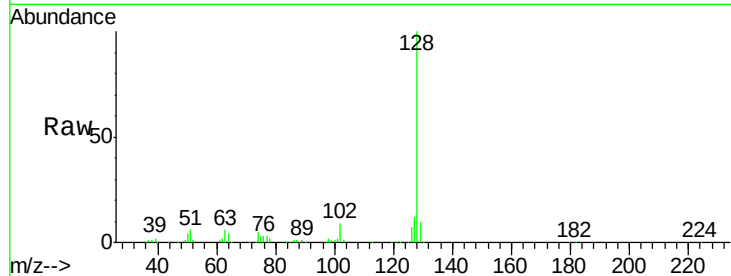




#95
Naphthalene
Concen: 21.26 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion:128 Resp: 337371
Ion Ratio Lower Upper
128 100
127 12.3 9.6 14.4
129 10.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 22.20 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059400.D
Acq: 25 Jun 2018 15:47

Tgt Ion:180 Resp: 227322
Ion Ratio Lower Upper
180 100
182 93.8 47.1 141.4
145 25.5 13.1 39.3

