

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059516.D
 Acq On : 2 Jul 2018 22:21
 Operator : VA/AP
 Sample : VD0702SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Quant Time: Jul 03 09:07:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	644056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	870858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	705171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	383334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	447680	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	5.52	113	419661	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
50) Toluene-d8	8.69	98	958296	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	
62) 4-Bromofluorobenzene	11.92	95	389201	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	148266	18.07	ug/l	98
3) Chloromethane	1.47	50	76056	19.57	ug/l	97
4) Vinyl Chloride	1.53	62	73022	18.83	ug/l	99
5) Bromomethane	1.77	94	24728	16.85	ug/l	92
6) Chloroethane	1.86	64	23195	13.29	ug/l	98
7) Trichlorofluoromethane	2.05	101	100094	15.61	ug/l	95
8) Diethyl Ether	2.32	74	23458	19.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.53	101	72025	18.46	ug/l	98
10) Methyl Iodide	2.66	142	63895	16.43	ug/l	96
11) Tert butyl alcohol	3.24	59	25826	92.73	ug/l	98
12) 1,1-Dichloroethene	2.52	96	51410	17.25	ug/l	93
13) Acrolein	2.45	56	21201	133.61	ug/l #	81
14) Allyl chloride	2.89	41	121834	18.51	ug/l	93
15) Acrylonitrile	3.32	53	80505	104.57	ug/l	90
16) Acetone	2.60	43	104611	92.55	ug/l	96
17) Carbon Disulfide	2.72	76	155005	17.18	ug/l	99
18) Methyl Acetate	2.91	43	49520	20.36	ug/l #	87
19) Methyl tert-butyl Ether	3.37	73	146192	18.97	ug/l	100
20) Methylene Chloride	3.04	84	68047	15.54	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	61862	18.79	ug/l	98
22) Diisopropyl ether	4.04	45	440889	18.37	ug/l	98
23) Vinyl Acetate	3.98	43	1257211	94.94	ug/l	98
24) 1,1-Dichloroethane	3.93	63	258005	18.99	ug/l	99
25) 2-Butanone	4.81	43	221500	94.22	ug/l	96
26) 2,2-Dichloropropane	4.76	77	200959	18.09	ug/l	98
27) cis-1,2-Dichloroethene	4.77	96	136497	19.15	ug/l	97
28) Bromochloromethane	5.12	49	109020	20.92	ug/l	97
29) Tetrahydrofuran	5.16	42	114973	96.03	ug/l	98
30) Chloroform	5.29	83	267115	18.64	ug/l	96
31) Cyclohexane	5.56	56	183479	17.63	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	218295	19.22	ug/l	96
36) 1,1-Dichloropropene	5.72	75	176934	18.92	ug/l	96
37) Ethyl Acetate	4.89	43	106813	20.53	ug/l #	94
38) Carbon Tetrachloride	5.70	117	172168	18.73	ug/l	96

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Quant Time: Jul 03 09:07:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	168353	19.77	µg/l	98
40) Benzene	5.98	78	418742	19.46	µg/l	100
41) Methacrylonitrile	5.10	41	54715	20.74	µg/l	90
42) 1,2-Dichloroethane	6.10	62	197336	20.49	µg/l	92
43) Isopropyl Acetate	7.60	43	145548	21.15	µg/l #	95
44) Trichloroethene	6.96	130	130358	19.95	µg/l	97
45) 1,2-Dichloropropane	7.32	63	120690	20.06	µg/l	90
46) Dibromomethane	7.44	93	81703	20.07	µg/l	89
47) Bromodichloromethane	7.72	83	188469	19.89	µg/l	95
48) Methyl methacrylate	7.48	41	84872	19.77	µg/l	86
49) 1,4-Dioxane	7.47	88	15523	388.08	µg/l	95
51) 4-Methyl-2-Pentanone	8.58	43	474761	105.62	µg/l	99
52) Toluene	8.78	92	238398	20.07	µg/l	97
53) t-1,3-Dichloropropene	9.17	75	163036	19.75	µg/l	98
54) cis-1,3-Dichloropropene	8.34	75	200196	20.91	µg/l	99
55) 1,1,2-Trichloroethane	9.44	97	91495	21.00	µg/l	97
56) Ethyl methacrylate	9.30	69	110139	20.18	µg/l	96
57) 1,3-Dichloropropane	9.64	76	151553	19.31	µg/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	281449	106.60	µg/l	92
59) 2-Hexanone	9.77	43	348904	105.53	µg/l	100
60) Dibromochloromethane	9.94	129	124377	20.45	µg/l	98
61) 1,2-Dibromoethane	10.08	107	93843	19.46	µg/l	92
64) Tetrachloroethene	9.50	164	123721	20.40	µg/l	92
65) Chlorobenzene	10.71	112	274383	20.20	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	110519	19.98	µg/l	95
67) Ethyl Benzene	10.85	91	477849	19.84	µg/l	99
68) m/p-Xylenes	11.00	106	334084	42.04	µg/l	92
69) o-Xylene	11.40	106	163227	21.32	µg/l	95
70) Styrene	11.43	104	283429	22.08	µg/l	93
71) Bromoform	11.59	173	82884	19.85	µg/l	95
73) Isopropylbenzene	11.77	105	470360	20.53	µg/l	99
74) N-amyl acetate	11.64	43	191182	19.77	µg/l #	95
75) 1,1,2,2-Tetrachloroethane	12.07	83	115991	19.54	µg/l	98
76) 1,2,3-Trichloropropane	12.11	75	119639	19.34	µg/l	100
77) Bromobenzene	12.04	156	137133	19.07	µg/l	90
78) n-propylbenzene	12.14	91	594197	19.36	µg/l	97
79) 2-Chlorotoluene	12.20	91	359467	19.92	µg/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	378291	20.32	µg/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	24457	16.26	µg/l #	88
82) 4-Chlorotoluene	12.32	91	414448	20.26	µg/l	90
83) tert-Butylbenzene	12.57	119	434225	20.50	µg/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	397973	19.90	µg/l	99
85) sec-Butylbenzene	12.75	105	502336	20.67	µg/l	97
86) p-Isopropyltoluene	12.88	119	407387	19.98	µg/l	96
87) 1,3-Dichlorobenzene	12.83	146	249838	20.30	µg/l	97
88) 1,4-Dichlorobenzene	12.92	146	244650	20.25	µg/l	98
89) n-Butylbenzene	13.19	91	443548	21.33	µg/l	96
90) Hexachloroethane	13.39	117	101906	19.29	µg/l	90
91) 1,2-Dichlorobenzene	13.19	146	211875	20.46	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	19772	19.33	µg/l	95

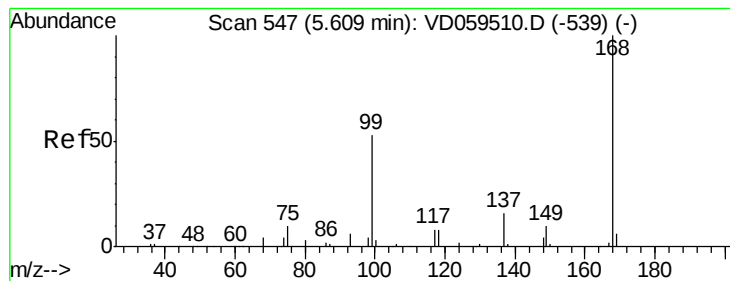
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
Data File : VD059516.D
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Operator : VA/AP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	184428	20.09	ug/l	92
94) Hexachlorobutadiene	14.43	225	143417	20.43	ug/l	94
95) Naphthalene	14.51	128	271815	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	163669	20.28	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

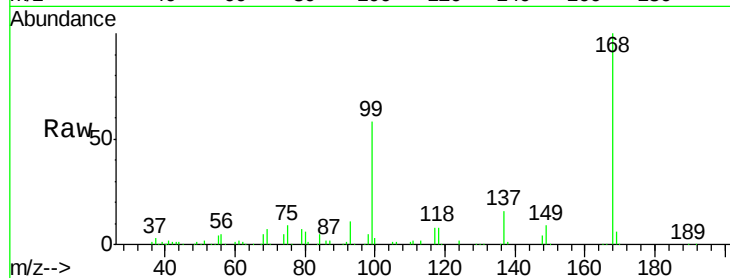
VD0702SBS01

Tot Ion:168 Resp: 644056

Ion Ratio Lower Upper

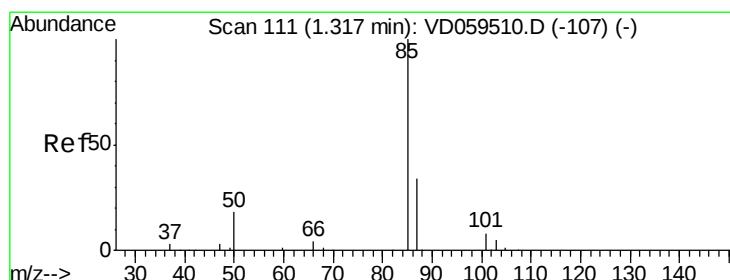
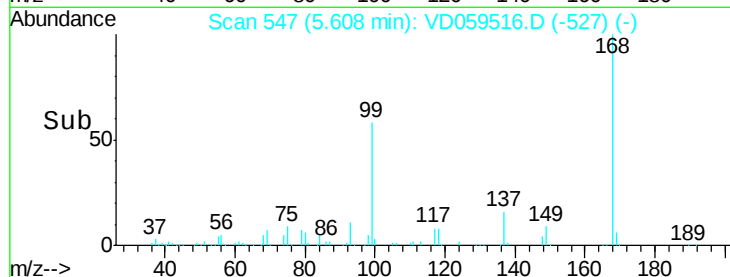
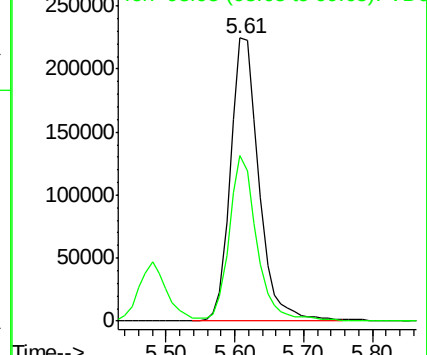
168 100

99 58.5 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.07 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059516.D

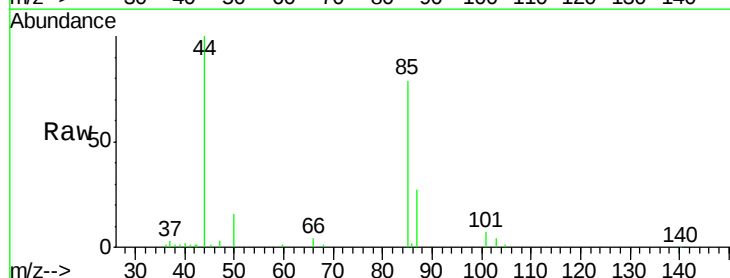
Acq: 2 Jul 2018 22:21

Tgt Ion: 85 Resp: 148266

Ion Ratio Lower Upper

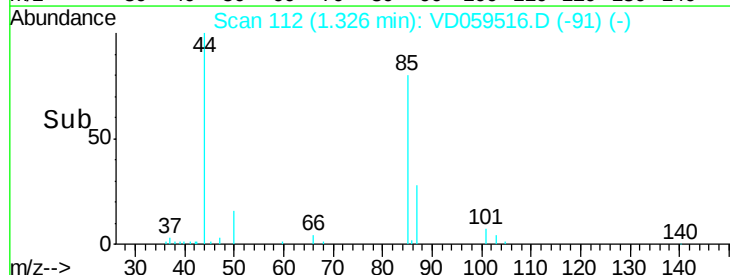
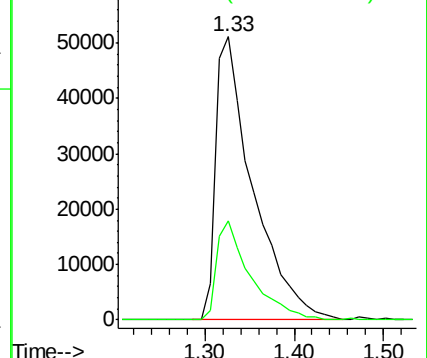
85 100

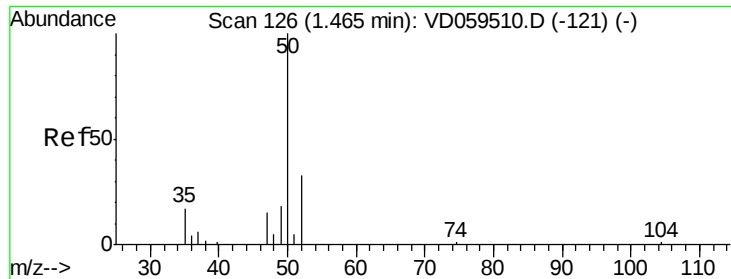
87 34.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.57 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

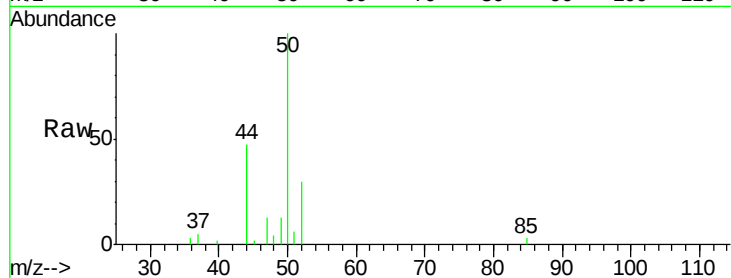
VD0702SBS01

Tot Ion: 50 Resp: 76056

Ion Ratio Lower Upper

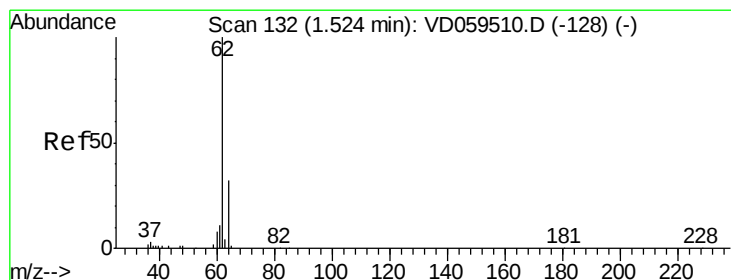
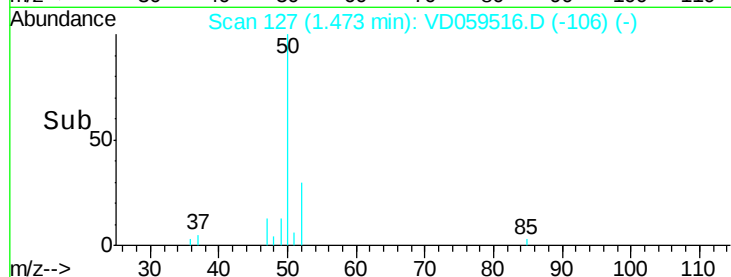
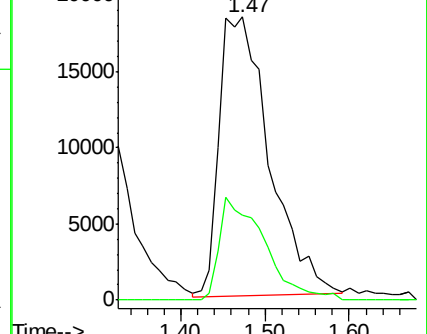
50 100

52 30.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.83 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059516.D

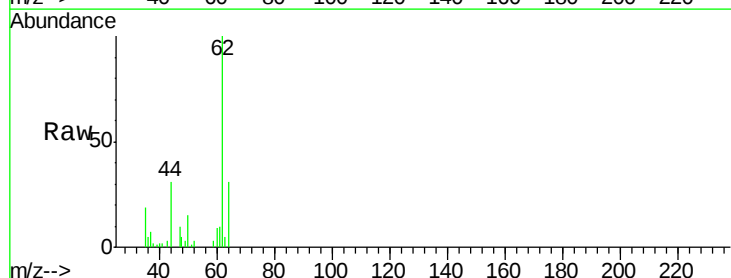
Acq: 2 Jul 2018 22:21

Tgt Ion: 62 Resp: 73022

Ion Ratio Lower Upper

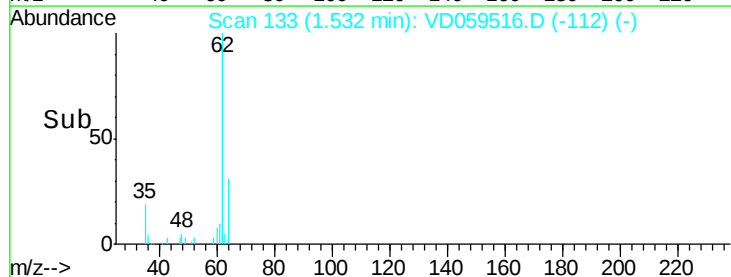
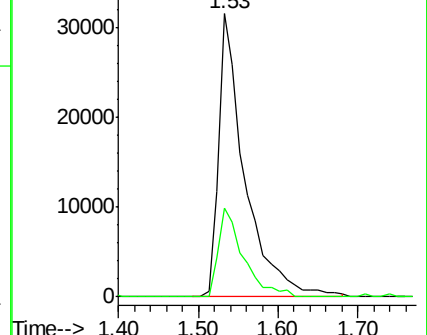
62 100

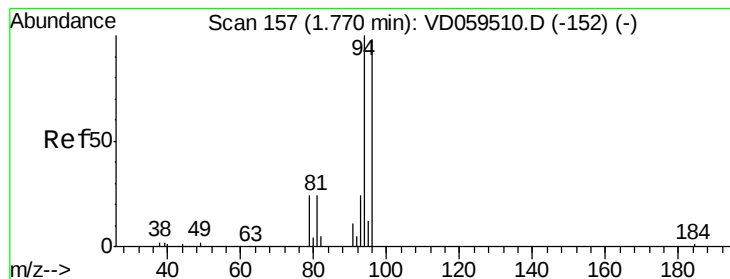
64 31.3 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.85 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

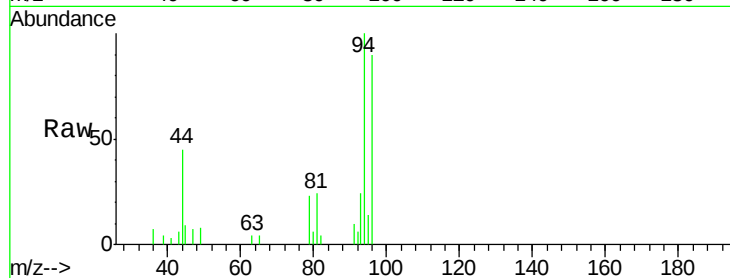
VD0702SBS01

Tot Ion: 94 Resp: 24728

Ion Ratio Lower Upper

94 100

96 90.0 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

12000

10000

8000

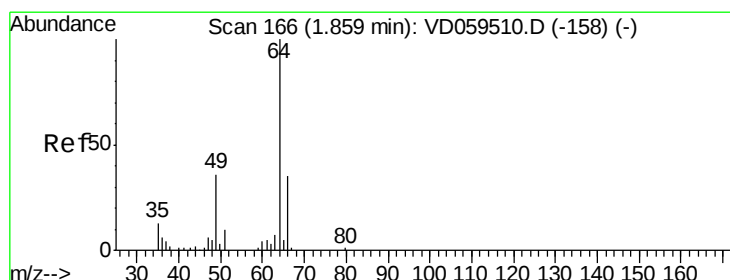
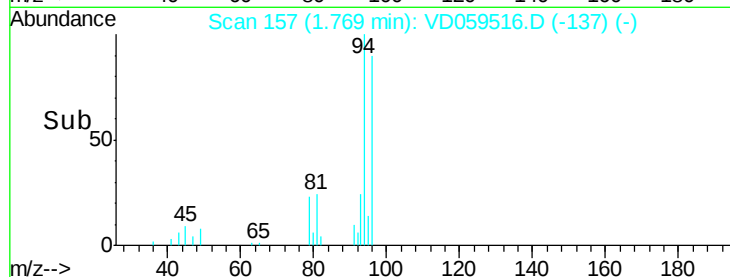
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 13.29 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059516.D

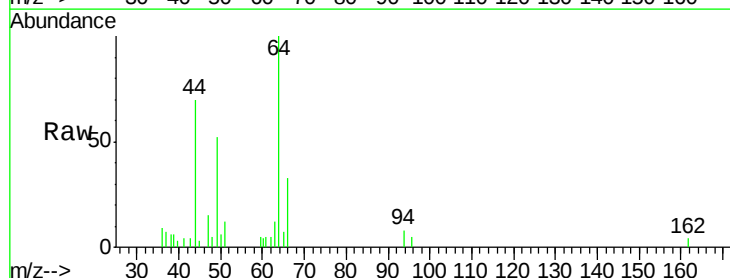
Acq: 2 Jul 2018 22:21

Tgt Ion: 64 Resp: 23195

Ion Ratio Lower Upper

64 100

66 33.5 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

12000

10000

8000

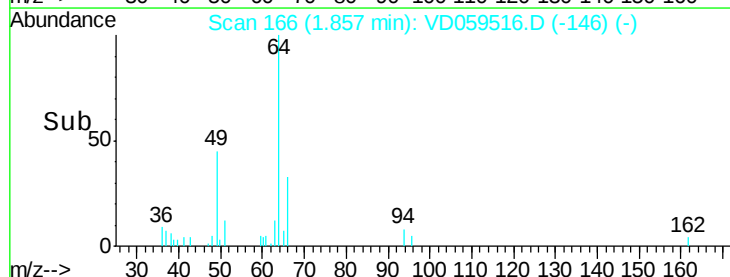
6000

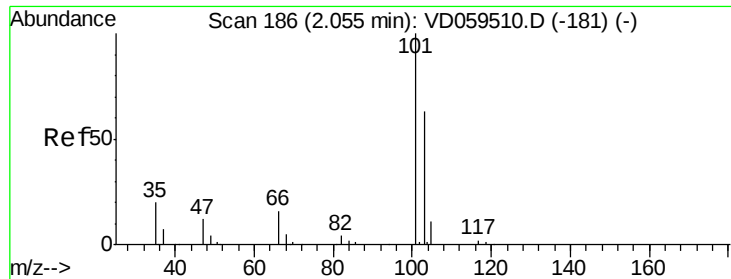
4000

2000

0

Time-->



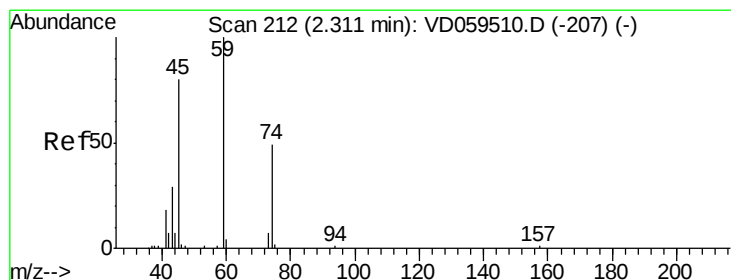
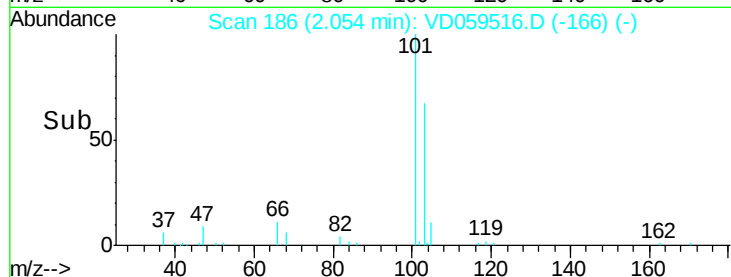
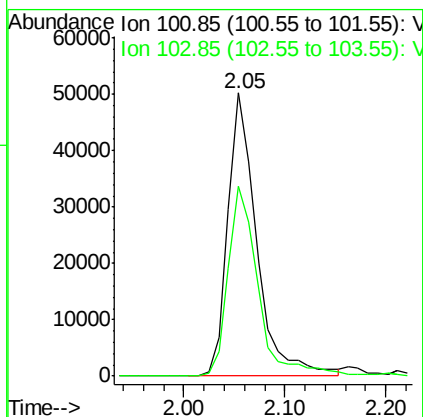
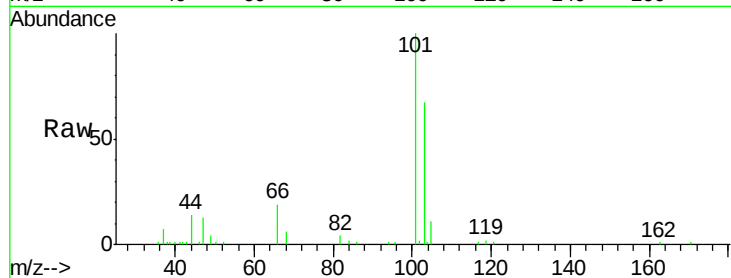


#7

Trichlorofluoromethane
 Concen: 15.61 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

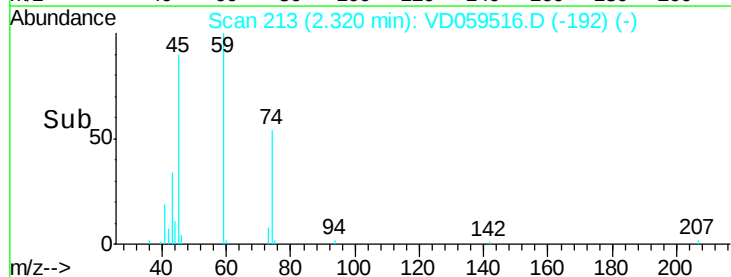
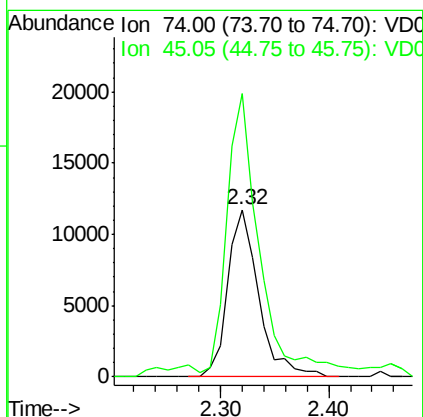
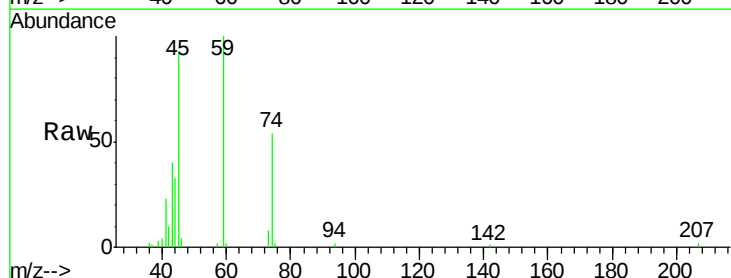
Tot Ion:101 Resp: 100094
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.6 76.0

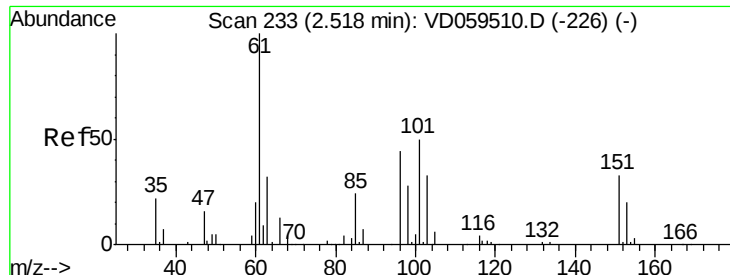


#8

Diethyl Ether
 Concen: 19.10 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 74 Resp: 23458
 Ion Ratio Lower Upper
 74 100
 45 169.1 83.5 250.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.46 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

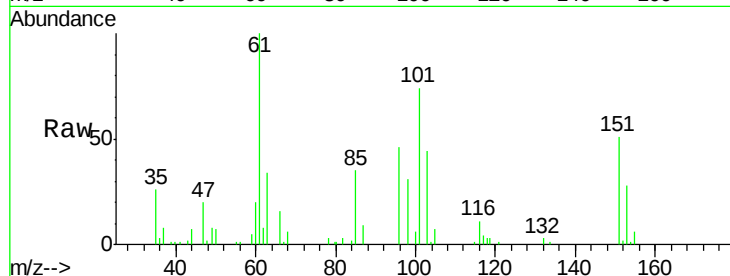
Tot Ion:101 Resp: 72025

Ion Ratio Lower Upper

101 100

85 47.2 38.8 58.2

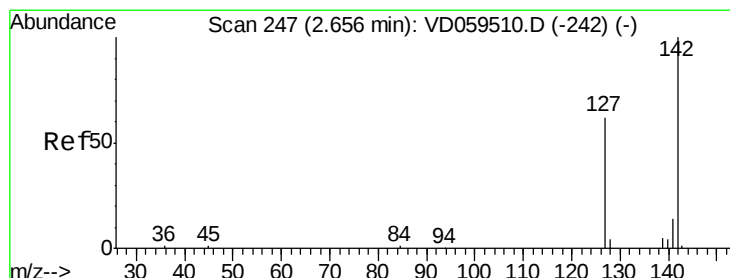
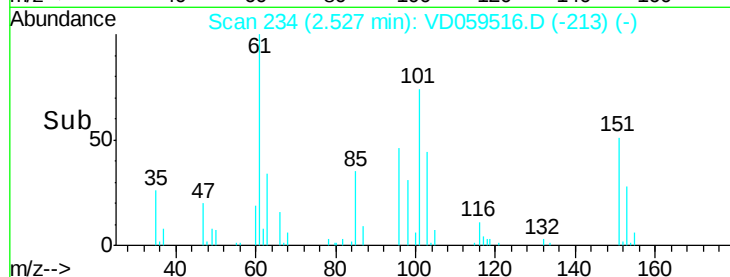
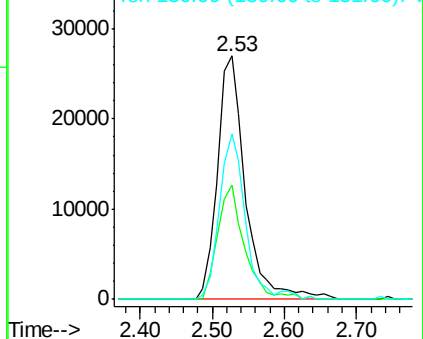
151 68.0 52.6 79.0



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: 16.43 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

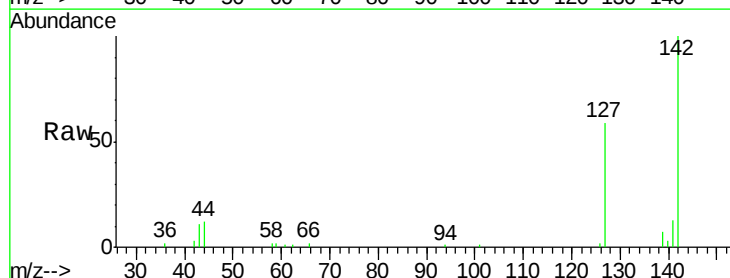
Tgt Ion:142 Resp: 63895

Ion Ratio Lower Upper

142 100

127 59.2 49.8 74.8

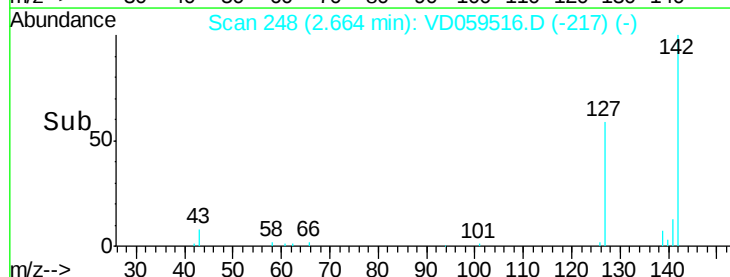
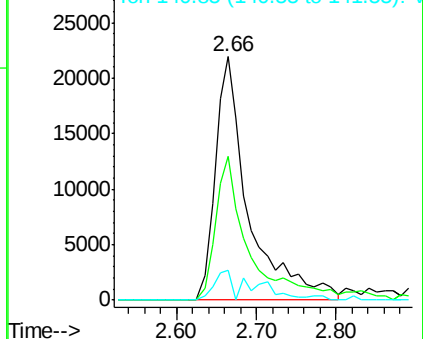
141 12.5 11.1 16.7

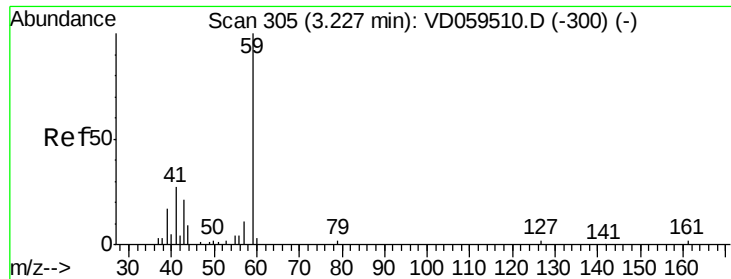


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

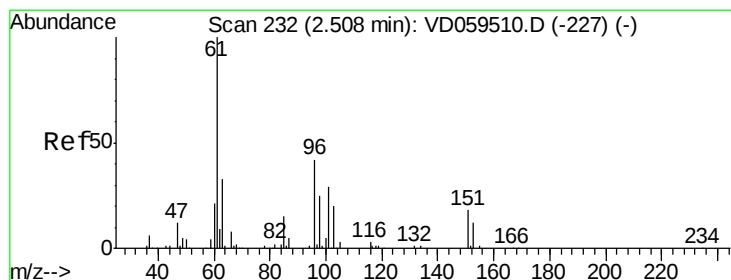
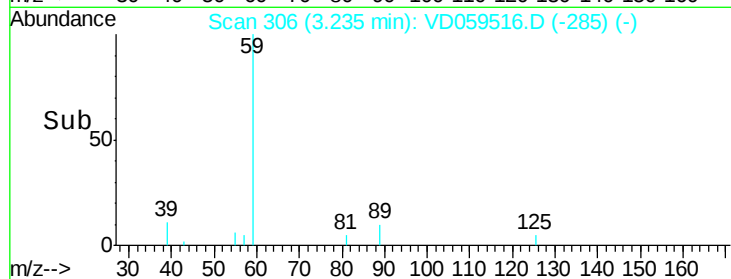
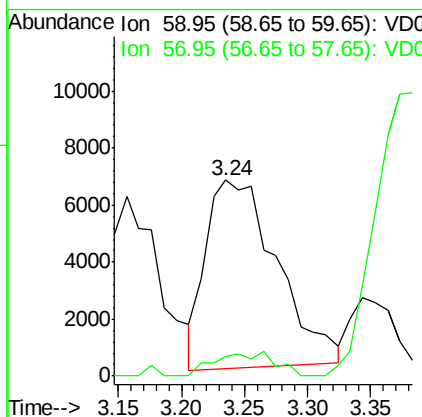
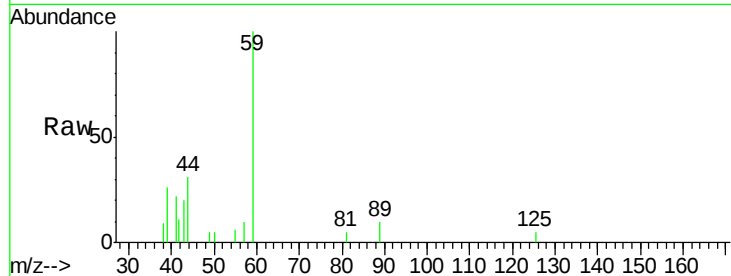




#11
Tert butyl alcohol
Concen: 92.73 ug/l
RT: 3.24 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

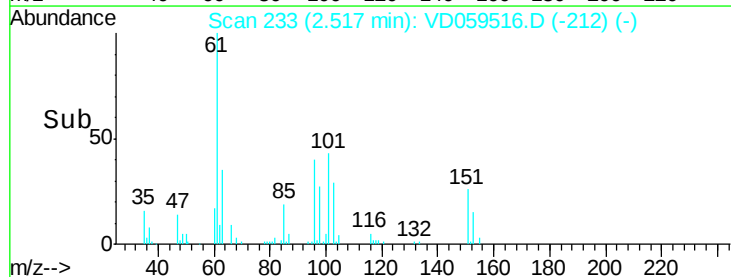
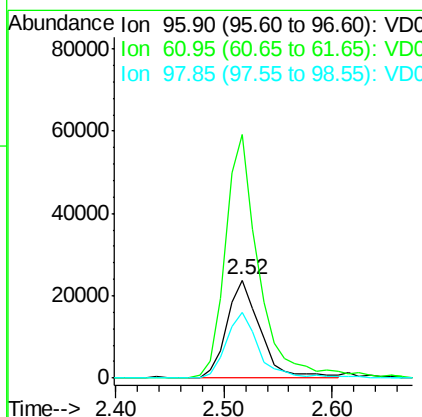
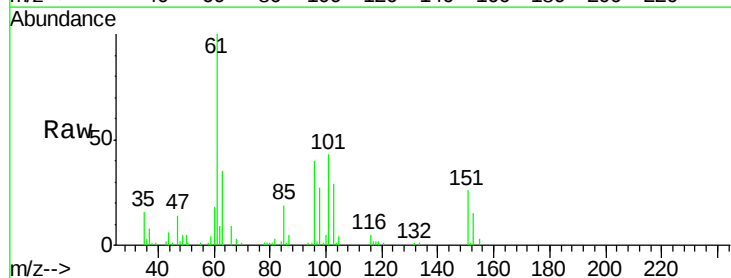
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

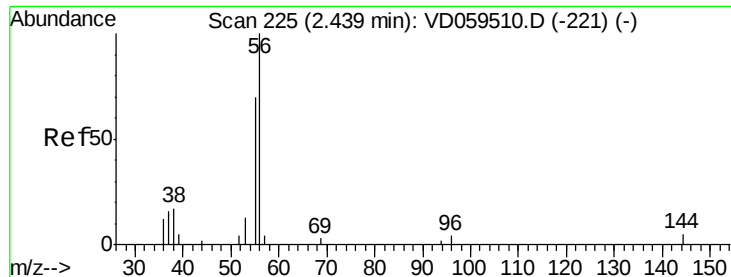
Tot Ion: 59 Resp: 25826
Ion Ratio Lower Upper
59 100
57 10.1 8.6 12.8



#12
1,1-Dichloroethene
Concen: 17.25 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 96 Resp: 51410
Ion Ratio Lower Upper
96 100
61 248.3 189.4 284.0
98 66.4 47.9 71.9

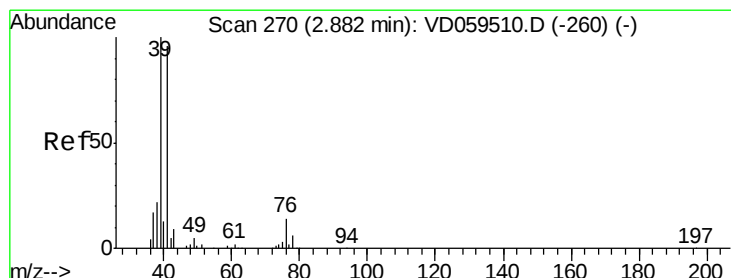
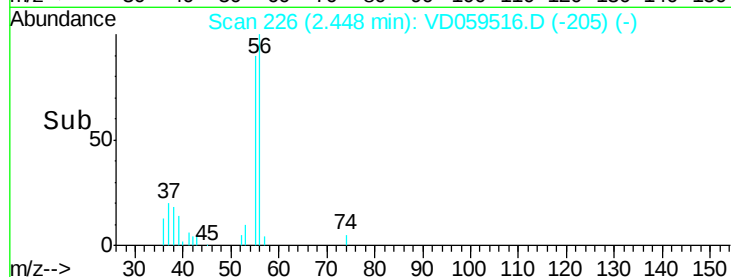
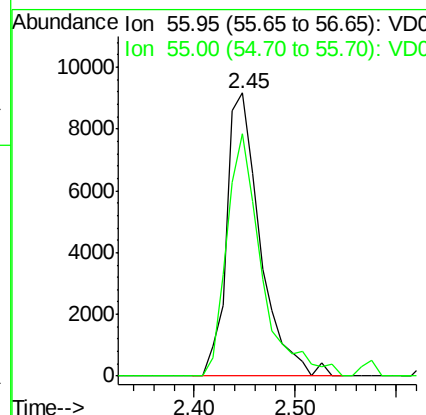
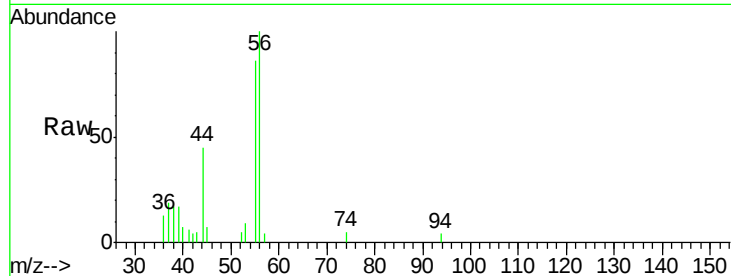




#13
Acrolein
Concen: 133.61 ug/l
RT: 2.45 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

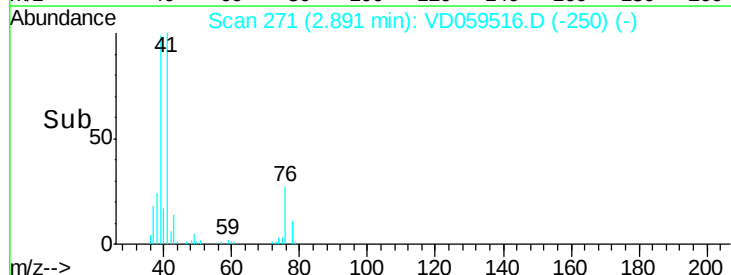
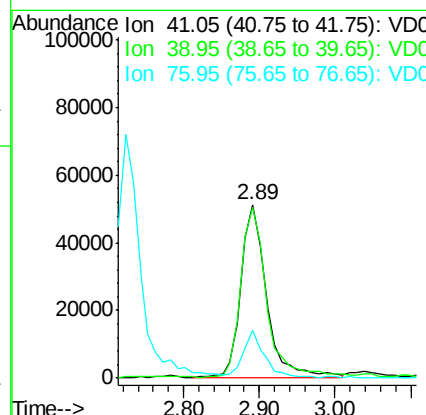
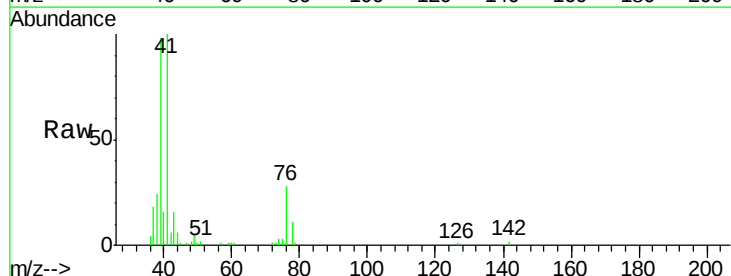
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

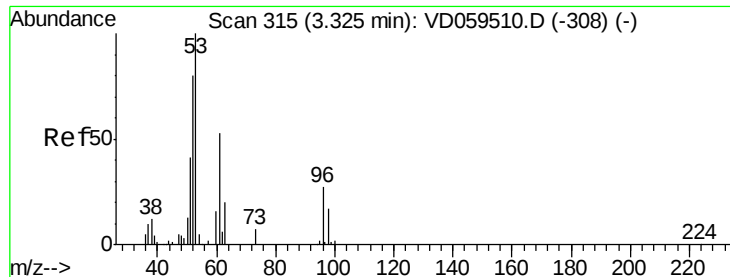
Tot Ion: 56 Resp: 21201
Ion Ratio Lower Upper
56 100
55 85.7 56.0 84.0#



#14
Allyl chloride
Concen: 18.51 ug/l
RT: 2.89 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 41 Resp: 121834
Ion Ratio Lower Upper
41 100
39 98.1 83.8 125.8
76 27.5 18.4 27.6





#15

Acrylonitrile

Concen: 104.57 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

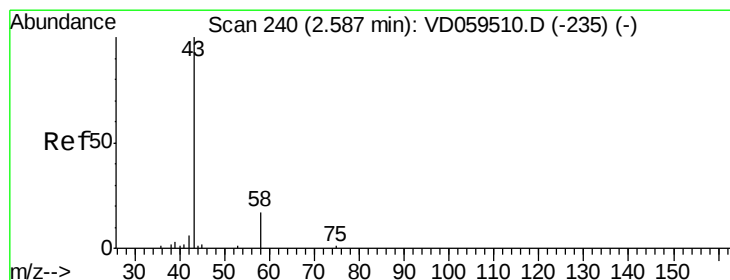
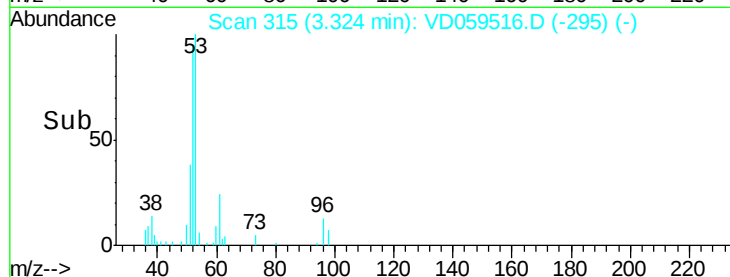
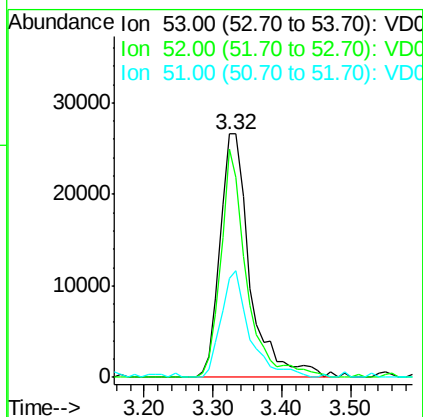
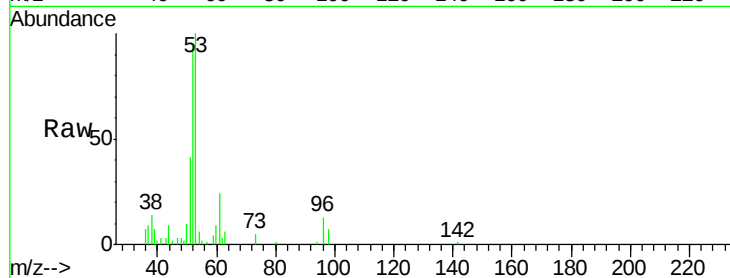
Tot Ion: 53 Resp: 80505

Ion Ratio Lower Upper

53 100

52 93.5 64.3 96.5

51 40.8 33.0 49.4



#16

Acetone

Concen: 92.55 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059516.D

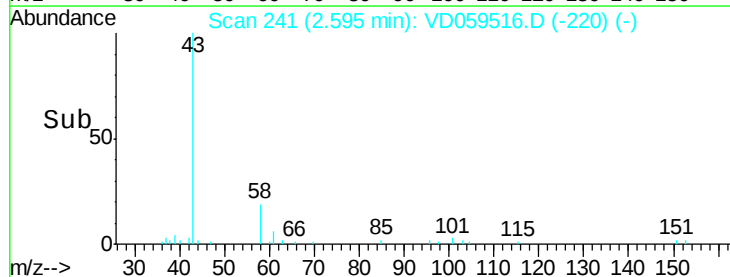
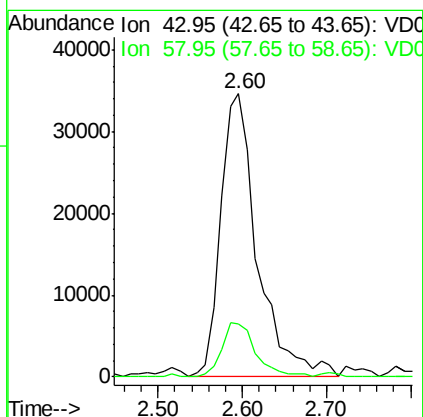
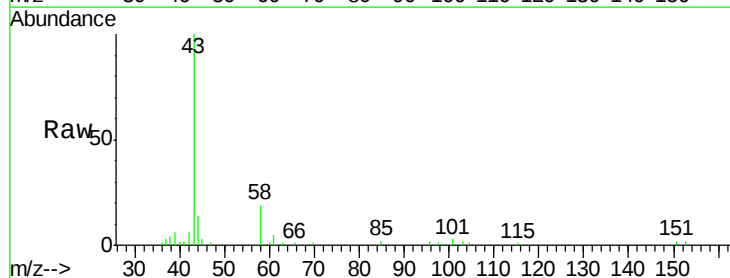
Acq: 2 Jul 2018 22:21

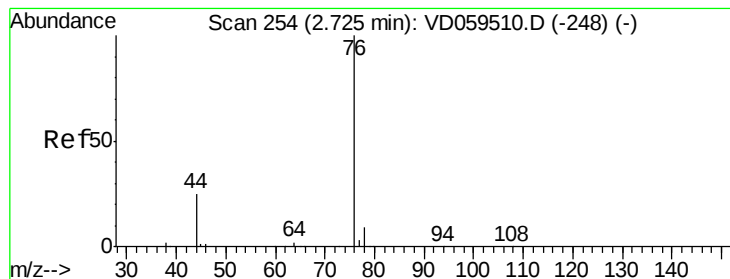
Tgt Ion: 43 Resp: 104611

Ion Ratio Lower Upper

43 100

58 18.8 13.8 20.8





#17

Carbon Disulfide

Concen: 17.18 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

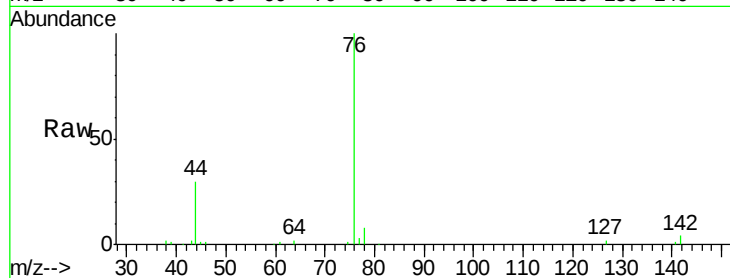
VD0702SBS01

Tot Ion: 76 Resp: 155005

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.72

80000

60000

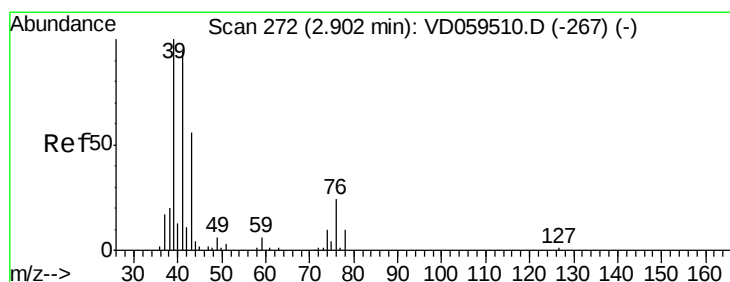
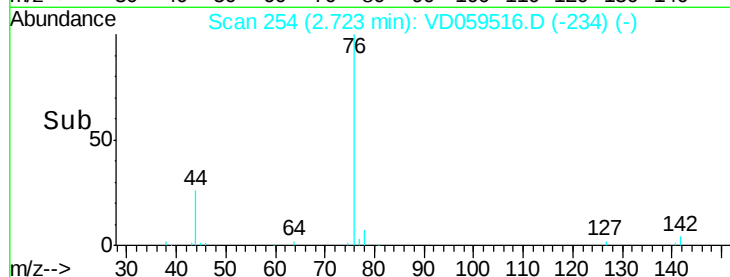
40000

20000

0

Time-->

2.60 2.70 2.80 2.90



#18

Methyl Acetate

Concen: 20.36 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059516.D

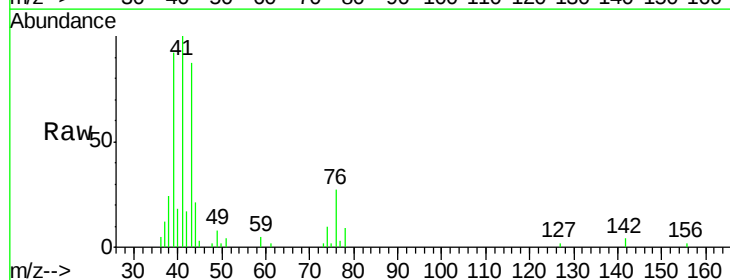
Acq: 2 Jul 2018 22:21

Tgt Ion: 43 Resp: 49520

Ion Ratio Lower Upper

43 100

74 11.8 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.91

20000

15000

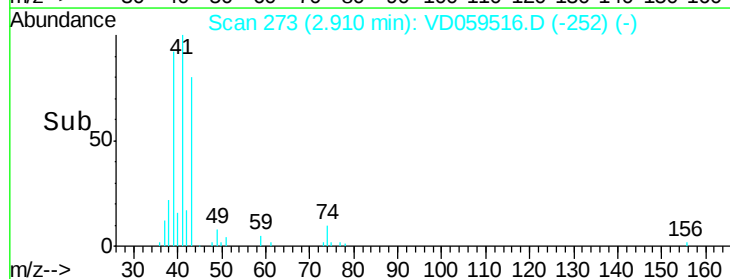
10000

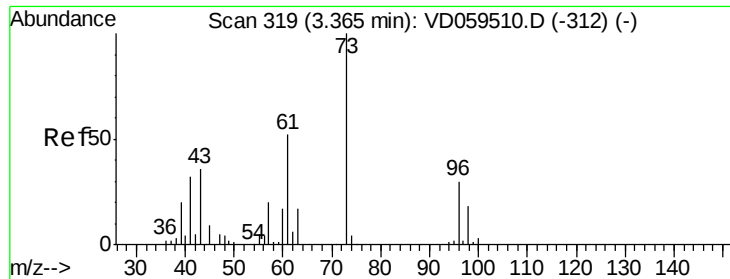
5000

0

Time-->

2.80 2.90 3.00

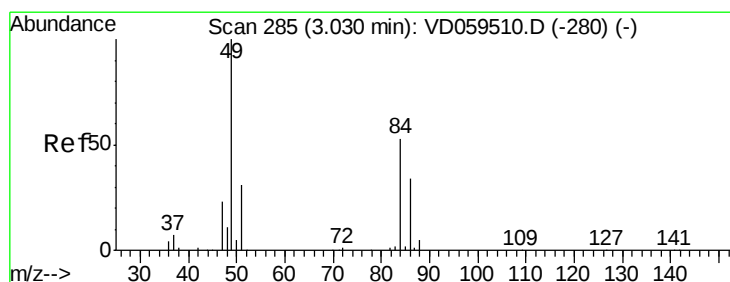
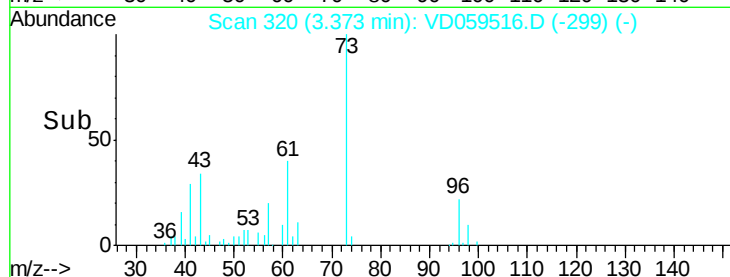
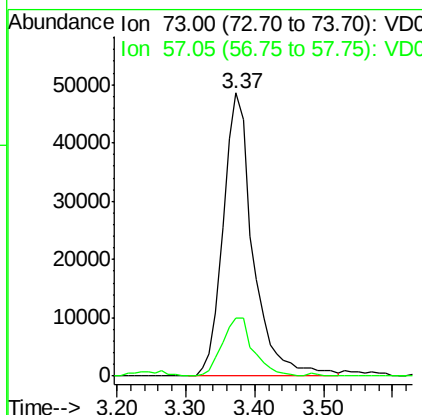
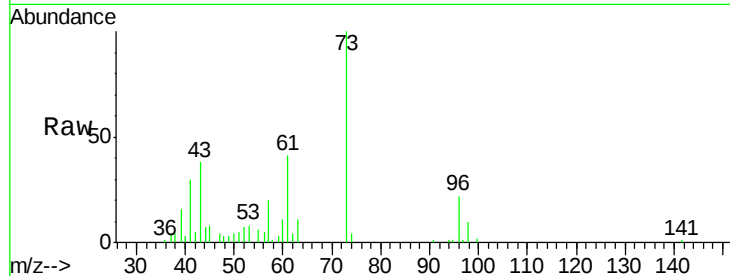




#19
Methyl tert-butyl Ether
Concen: 18.97 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

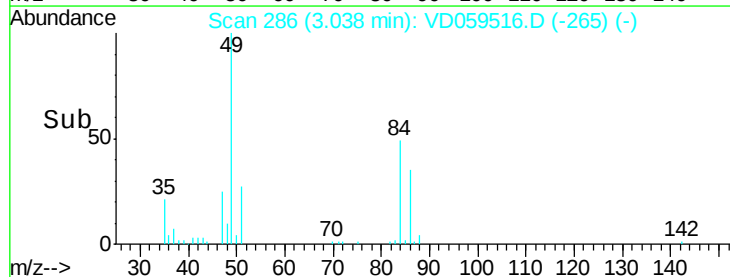
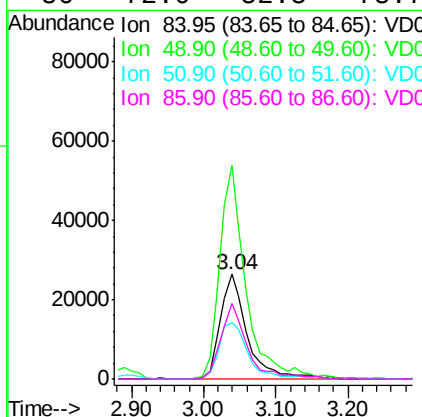
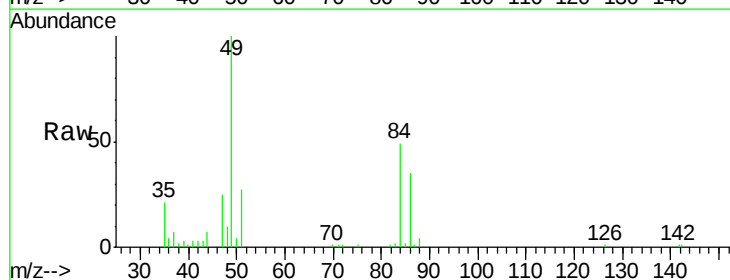
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

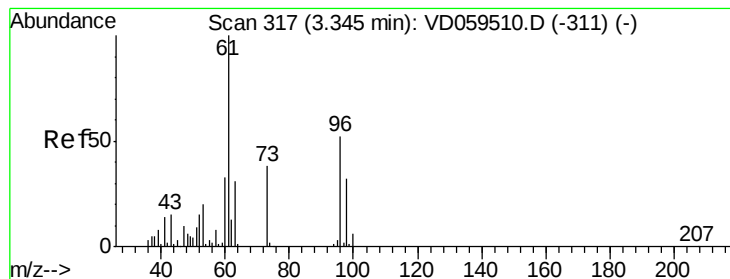
Tot Ion: 73 Resp: 146192
Ion Ratio Lower Upper
73 100
57 20.4 16.5 24.7



#20
Methylene Chloride
Concen: 15.54 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 84 Resp: 68047
Ion Ratio Lower Upper
84 100
49 204.1 152.2 228.2
51 54.4 46.5 69.7
86 72.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.79 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

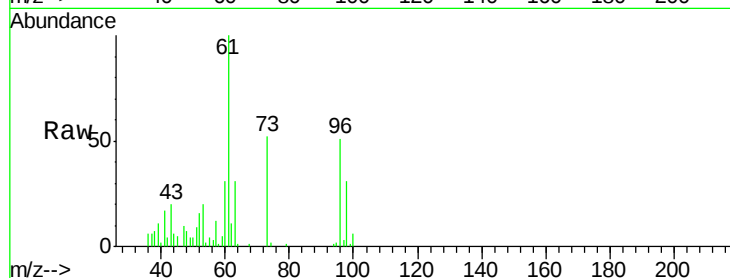
Tot Ion: 96 Resp: 61862

Ion Ratio Lower Upper

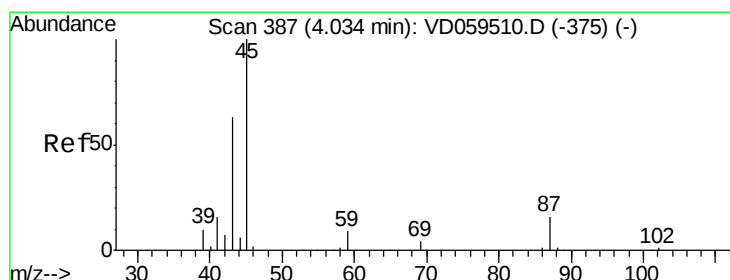
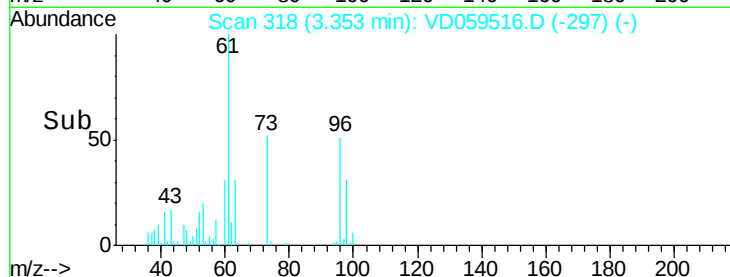
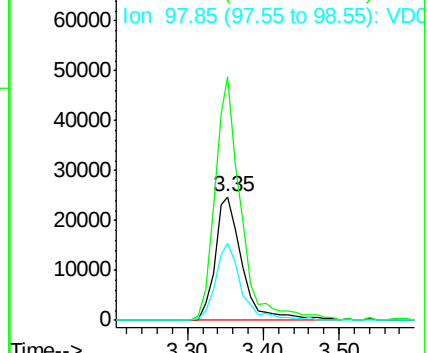
96 100

61 197.1 154.7 232.1

98 62.1 49.9 74.9



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: 18.37 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Tgt Ion: 45 Resp: 440889

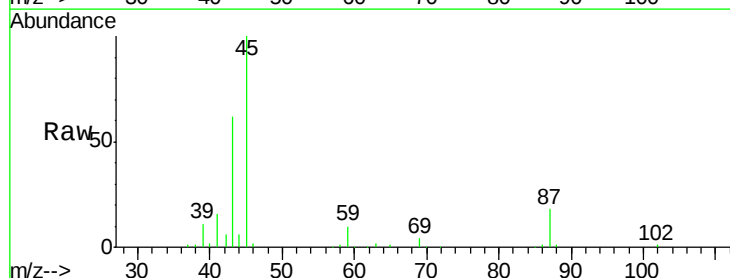
Ion Ratio Lower Upper

45 100

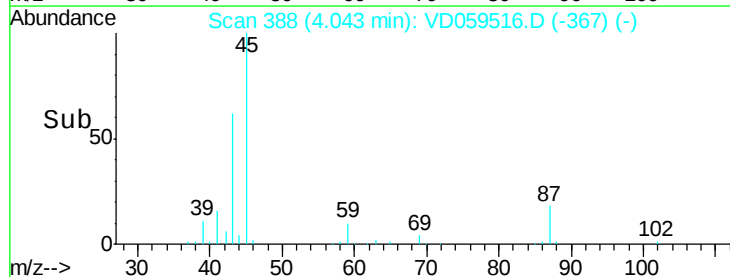
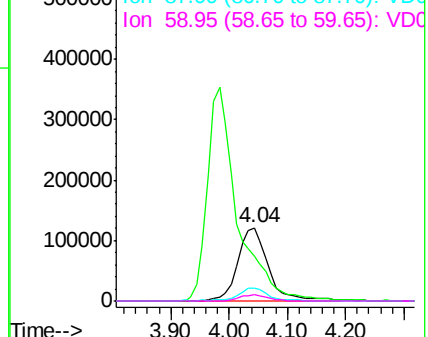
43 61.9 50.7 76.1

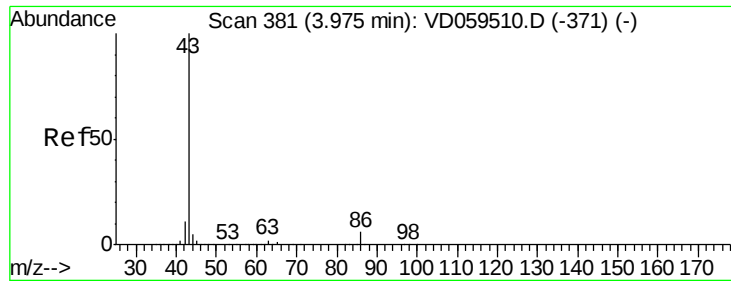
87 18.1 13.4 20.0

59 9.6 7.4 11.0



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: 94.94 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

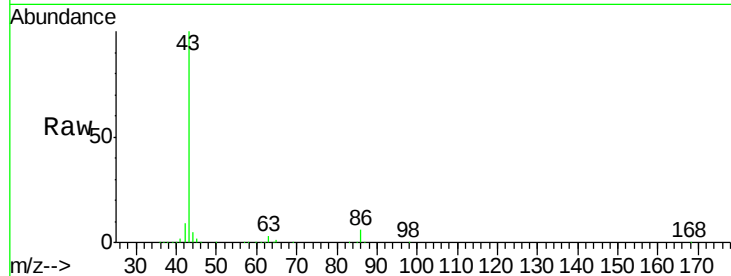
VD0702SBS01

Tot Ion: 43 Resp: 1257211

Ion Ratio Lower Upper

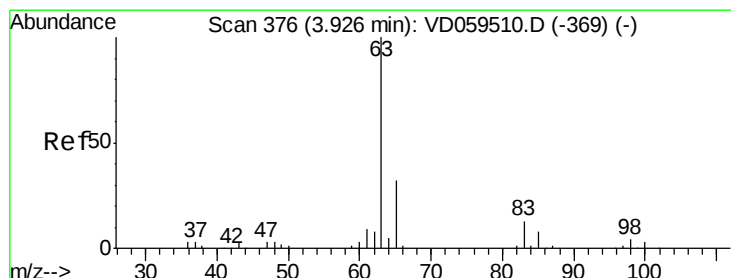
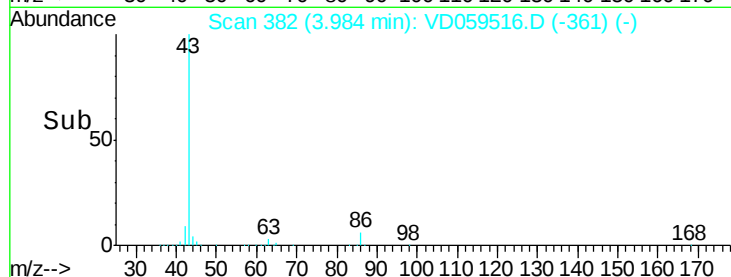
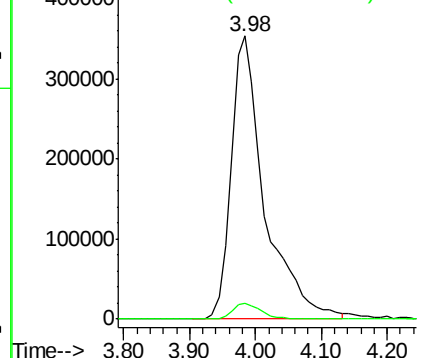
43 100

86 5.5 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.99 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

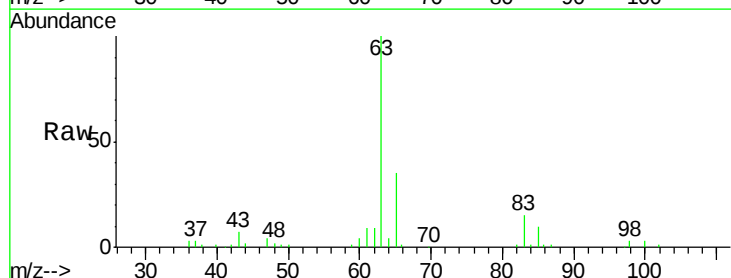
Tgt Ion: 63 Resp: 258005

Ion Ratio Lower Upper

63 100

98 3.3 2.0 5.8

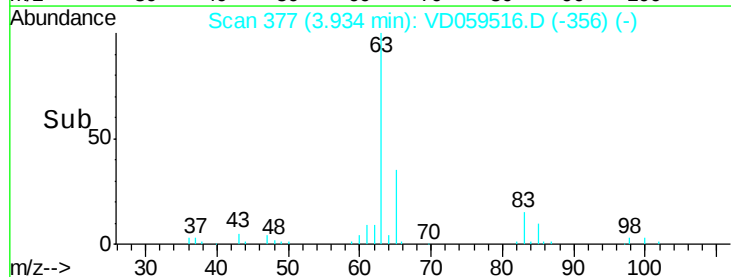
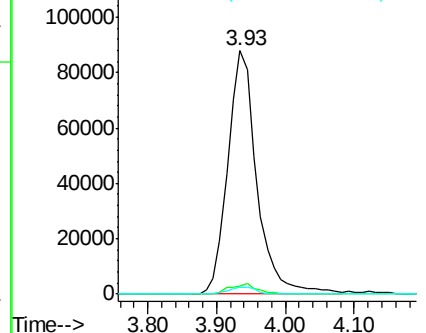
100 2.7 1.5 4.4

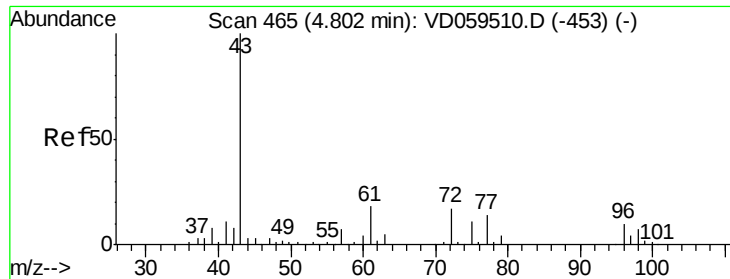


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 94.22 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

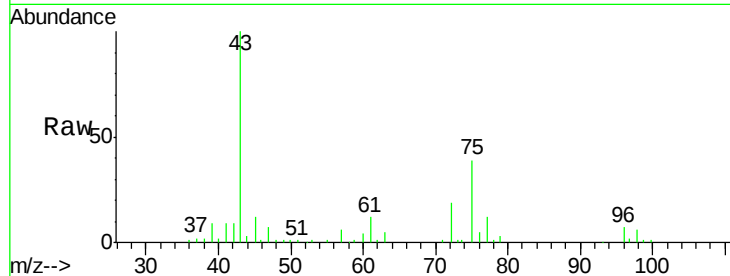
VD0702SBS01

Tot Ion: 43 Resp: 221500

Ion Ratio Lower Upper

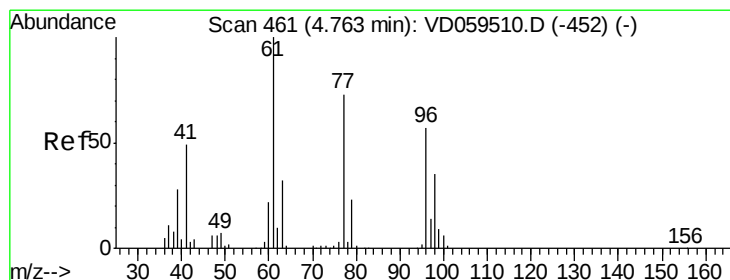
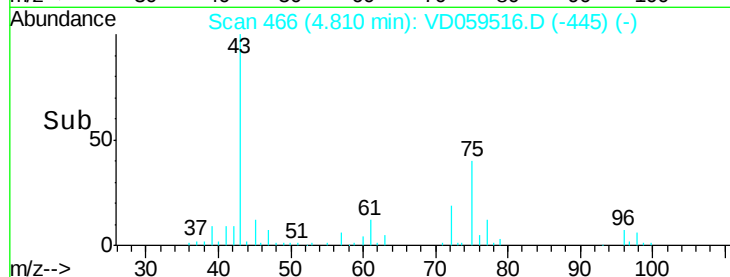
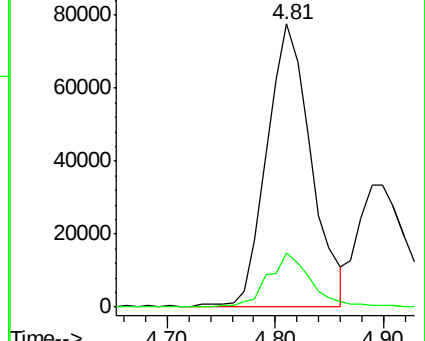
43 100

72 19.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.09 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059516.D

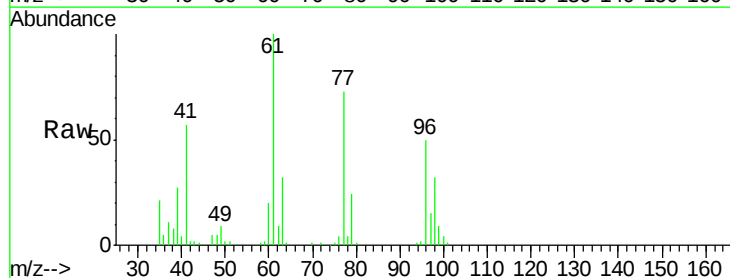
Acq: 2 Jul 2018 22:21

Tgt Ion: 77 Resp: 200959

Ion Ratio Lower Upper

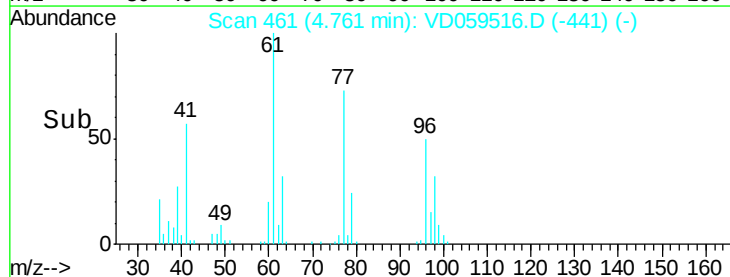
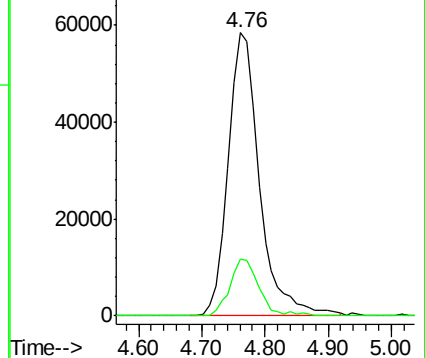
77 100

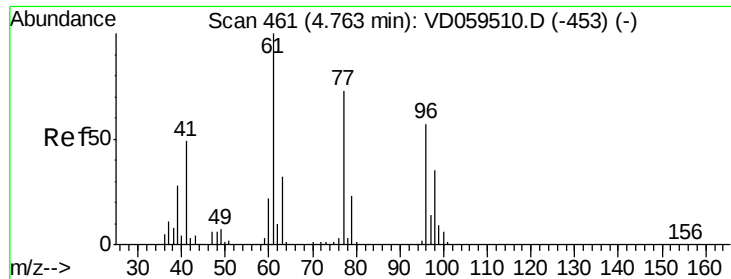
97 20.1 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.15 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

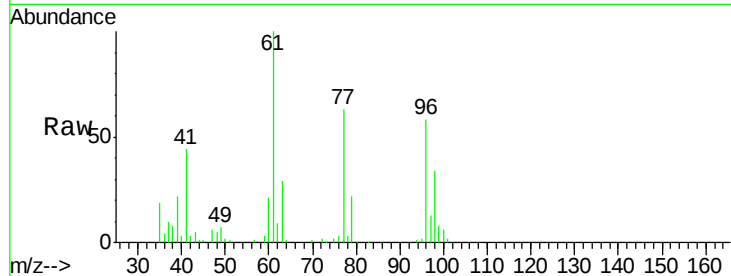
Tot Ion: 96 Resp: 136497

Ion Ratio Lower Upper

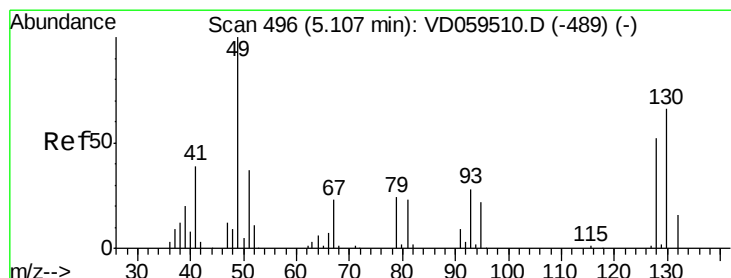
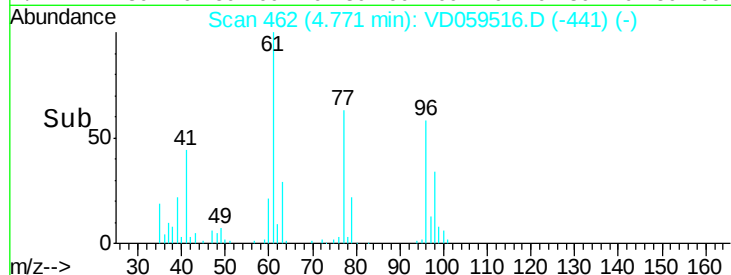
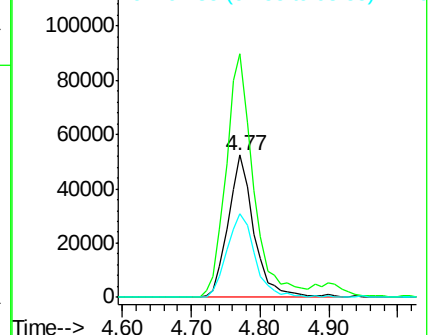
96 100

61 171.3 0.0 350.8

98 59.0 0.0 123.4



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



#28

Bromochloromethane

Concen: 20.92 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

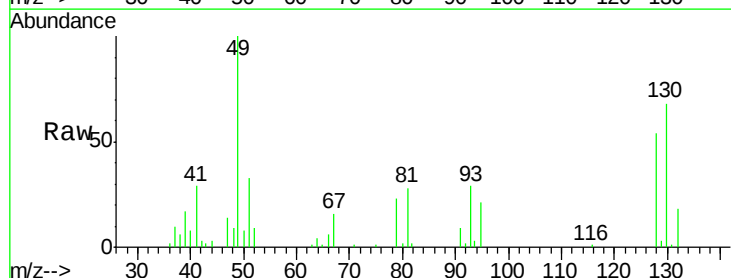
Tgt Ion: 49 Resp: 109020

Ion Ratio Lower Upper

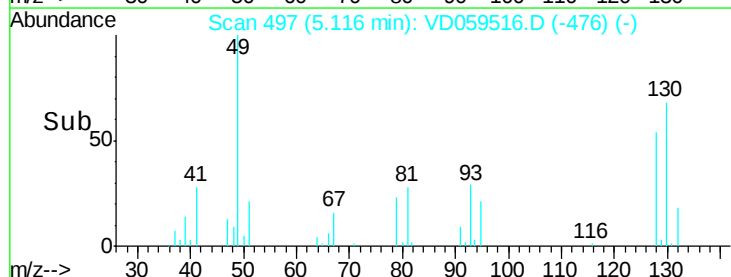
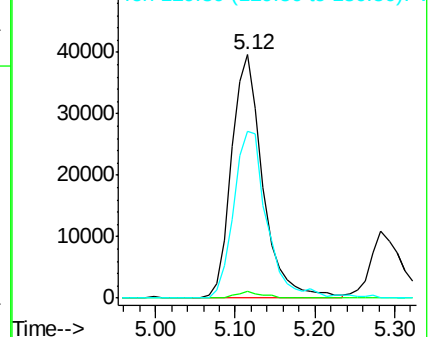
49 100

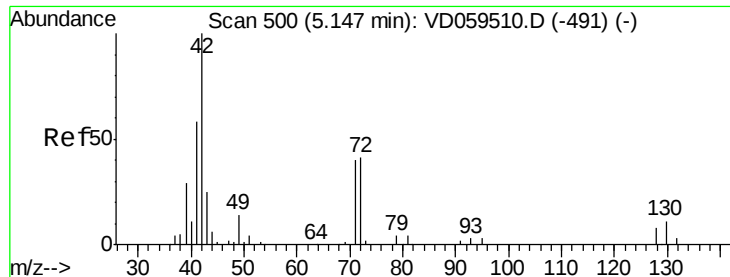
129 2.9 0.0 4.4

130 68.3 52.6 78.8



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

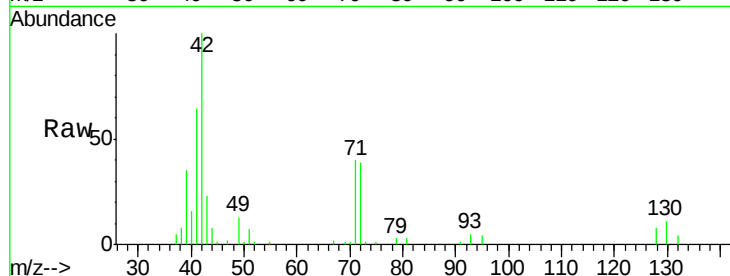




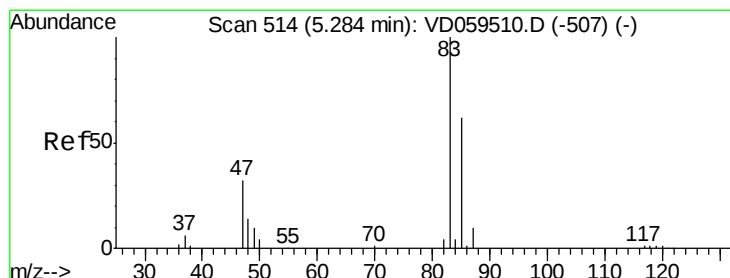
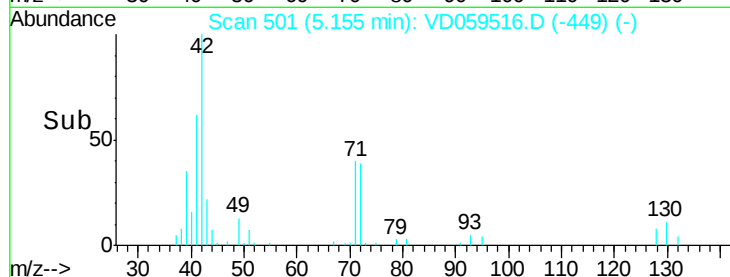
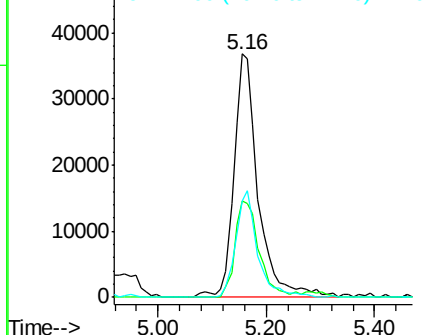
#29
Tetrahydrofuran
Concen: 96.03 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 42 Resp: 114973
Ion Ratio Lower Upper
42 100
72 39.1 32.9 49.3
71 39.7 31.6 47.4

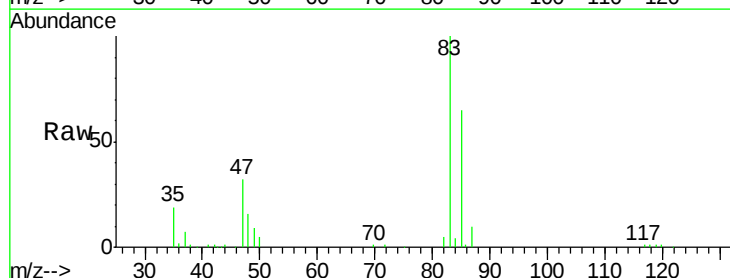


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

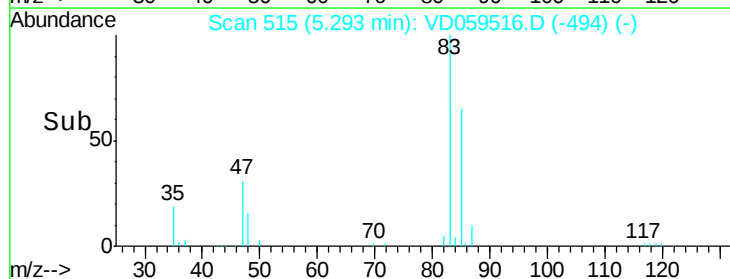
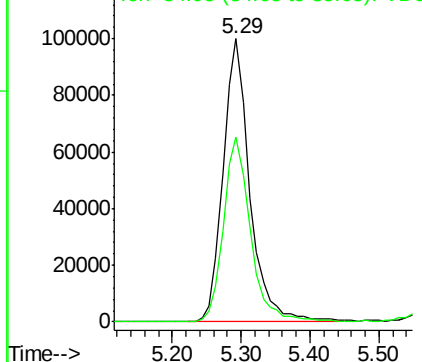


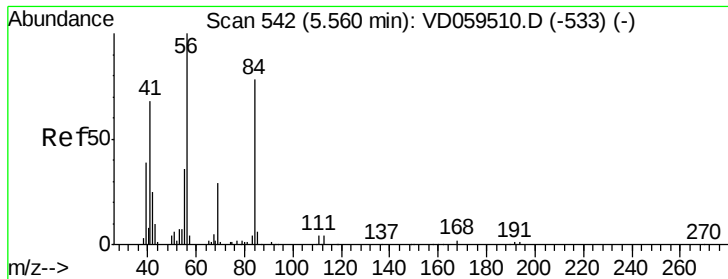
#30
Chloroform
Concen: 18.64 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 83 Resp: 267115
Ion Ratio Lower Upper
83 100
85 65.3 49.8 74.6



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

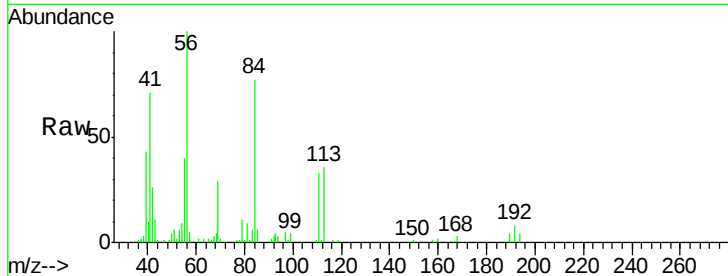




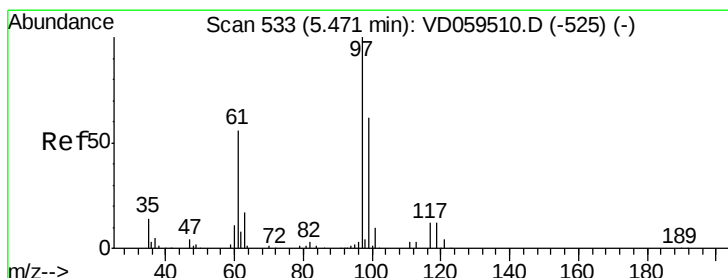
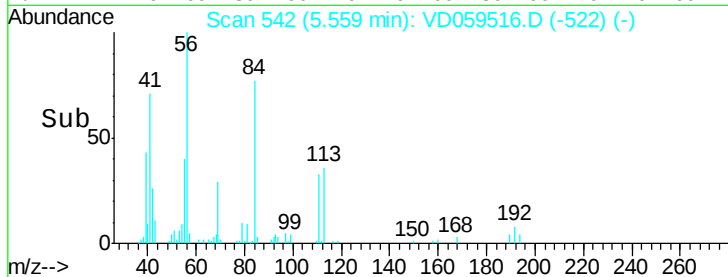
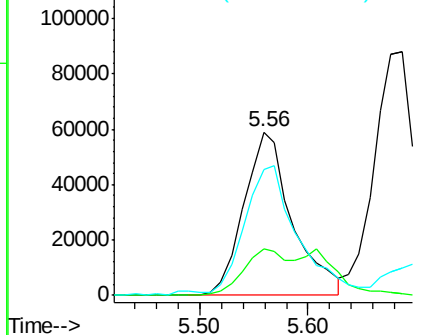
#31
Cvclohexane
Concen: 17.63 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 56 Resp: 183479
Ion Ratio Lower Upper
56 100
69 28.8 22.9 34.3
84 77.2 63.4 95.0

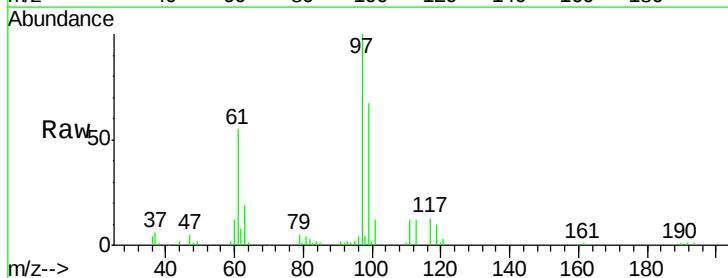


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

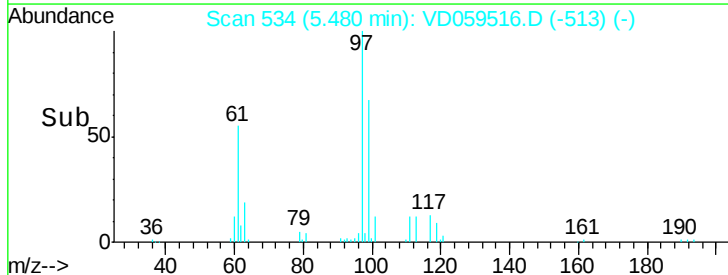
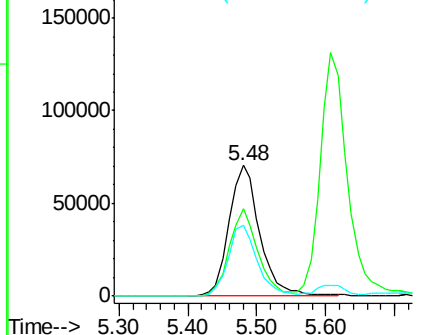


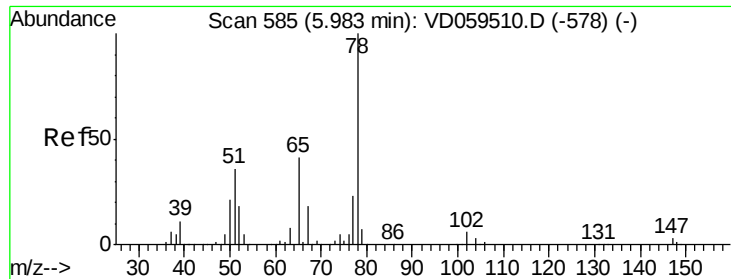
#32
1,1,1-Trichloroethane
Concen: 19.22 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 97 Resp: 218295
Ion Ratio Lower Upper
97 100
99 67.2 49.6 74.4
61 54.5 44.8 67.2



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: 19.22 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

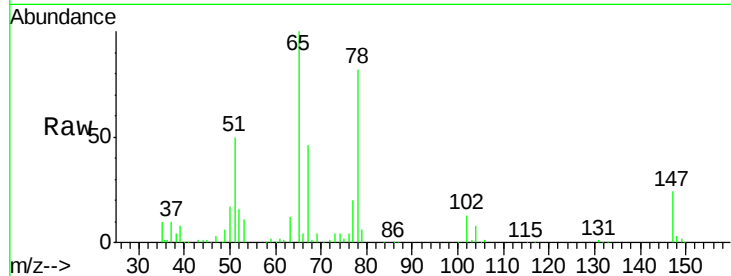
VD0702SBS01

Tot Ion: 65 Resp: 447680

Ion Ratio Lower Upper

65 100

67 45.8 0.0 90.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.99

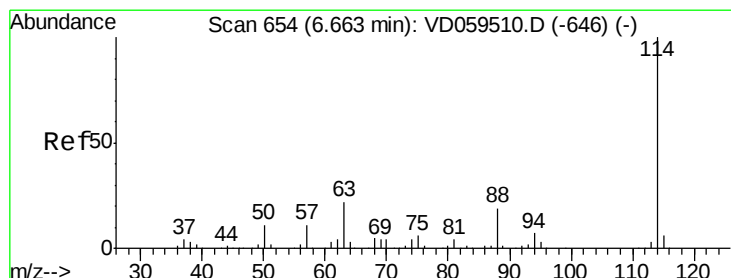
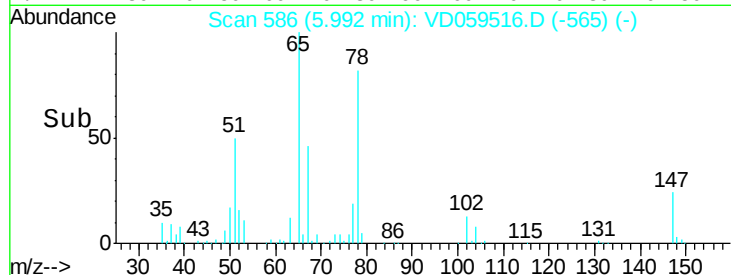
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

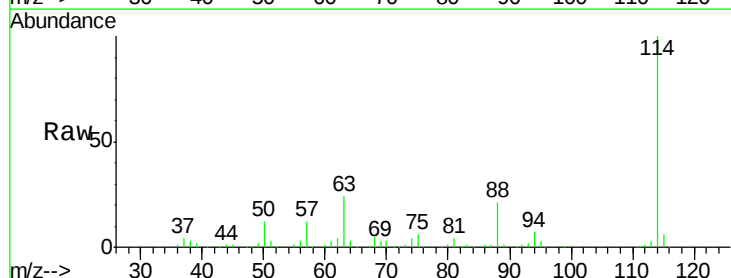
Tgt Ion: 114 Resp: 870858

Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.4

88 20.9 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.66

400000

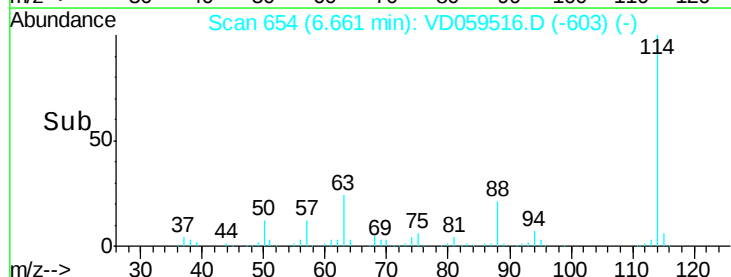
300000

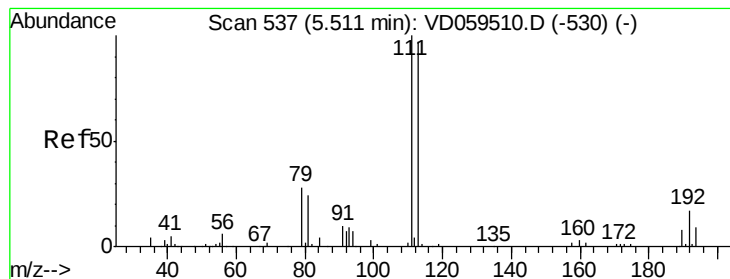
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

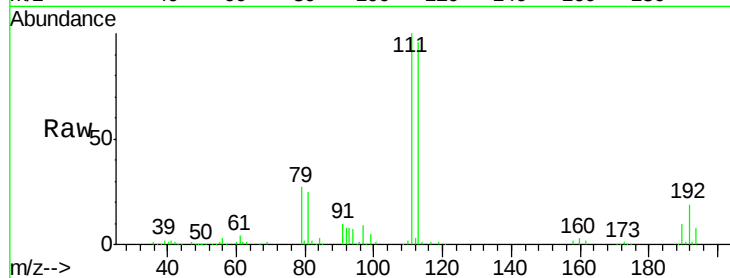
Tot Ion:113 Resp: 419661

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

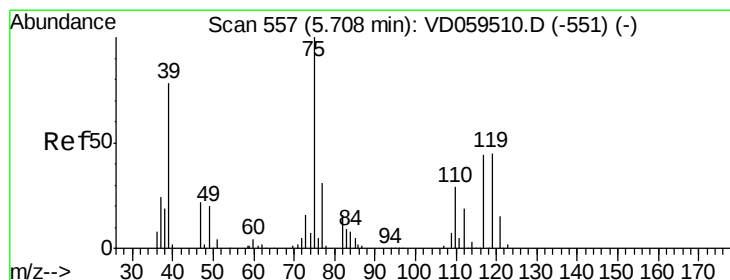
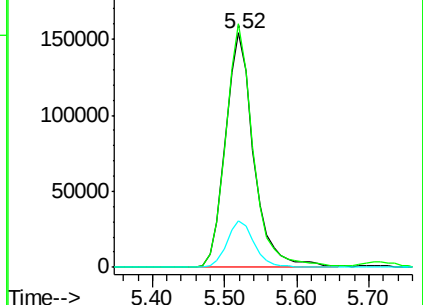
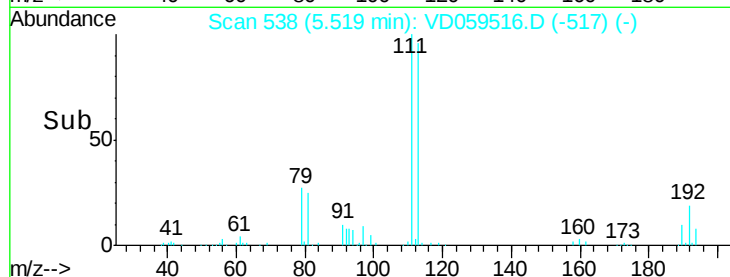
192 19.6 14.2 21.2



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: 18.92 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

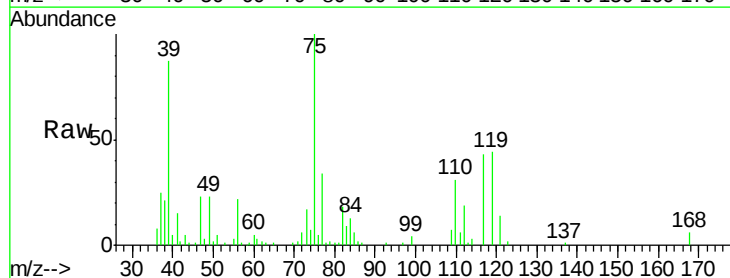
Tgt Ion: 75 Resp: 176934

Ion Ratio Lower Upper

75 100

110 30.7 14.4 43.4

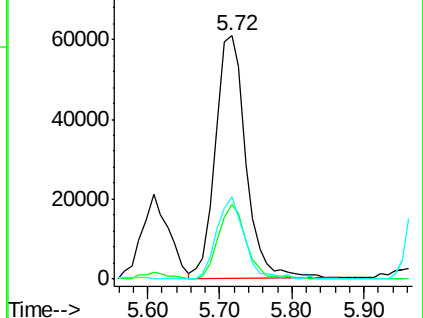
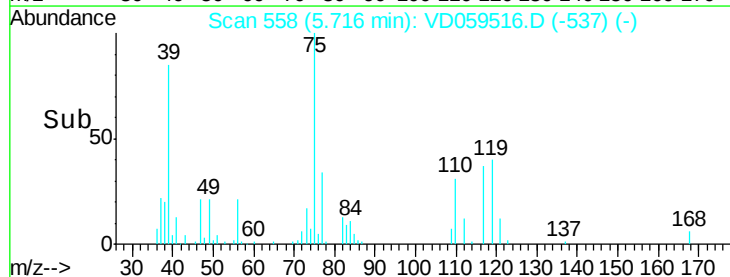
77 33.6 25.0 37.6

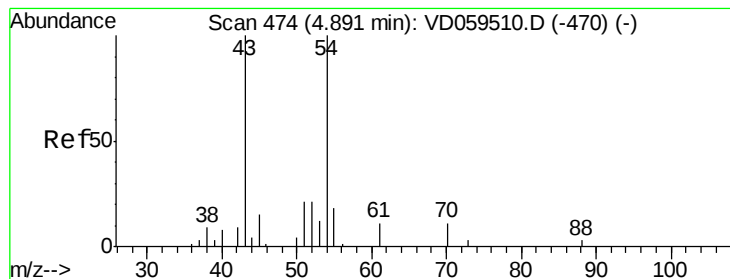


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 20.53 ug/l

RT: 4.89 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

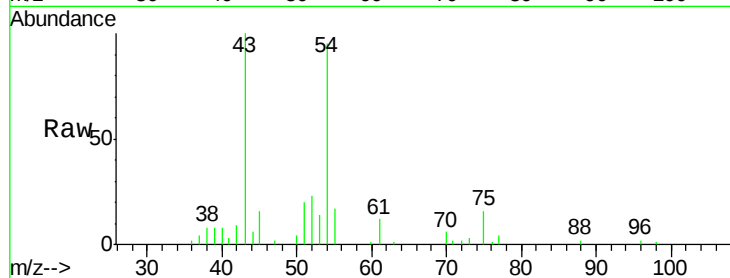
Tot Ion: 43 Resp: 106813

Ion Ratio Lower Upper

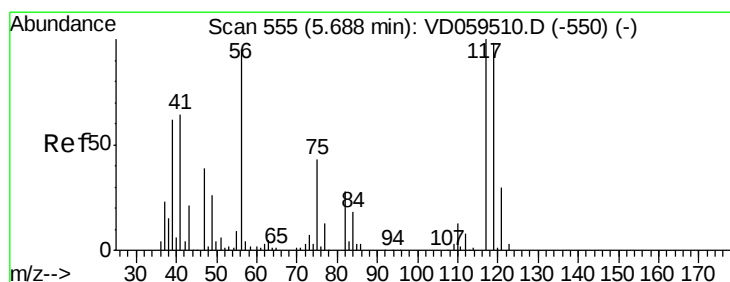
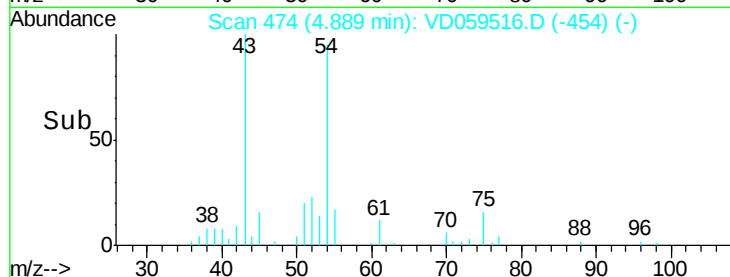
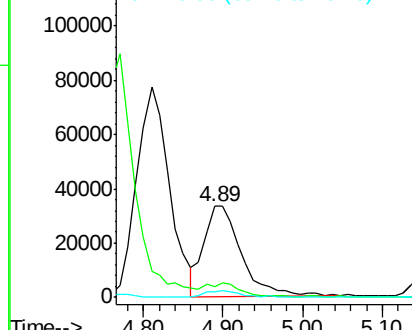
43 100

61 11.9 11.5 17.3

70 6.2 6.8 10.2#



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: 18.73 ug/l

RT: 5.70 min Scan# 556

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

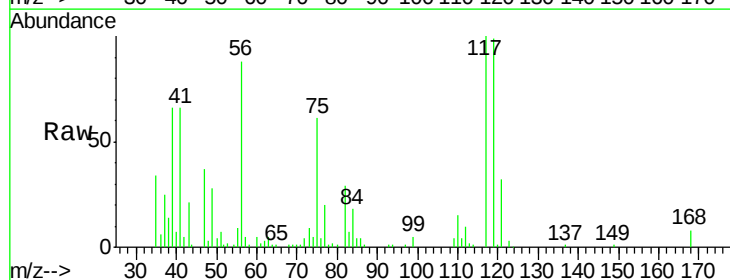
Tgt Ion: 117 Resp: 172168

Ion Ratio Lower Upper

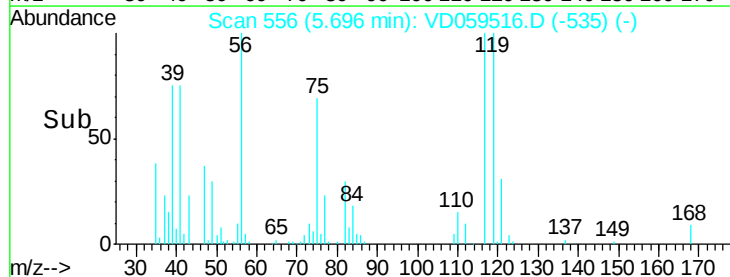
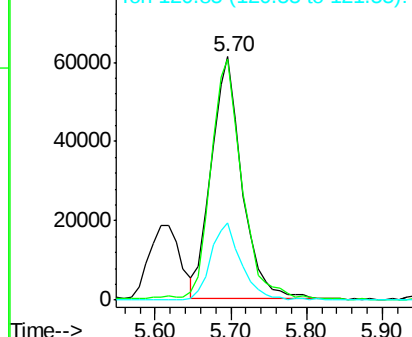
117 100

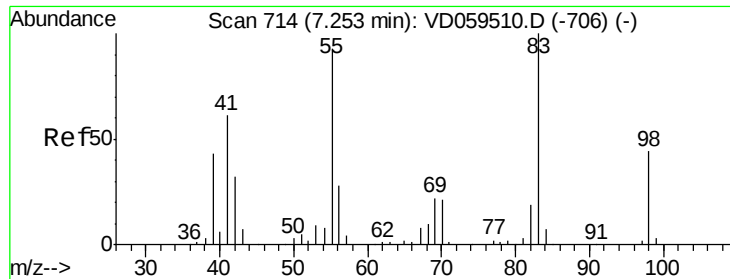
119 99.1 76.4 114.6

121 31.6 23.9 35.9



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

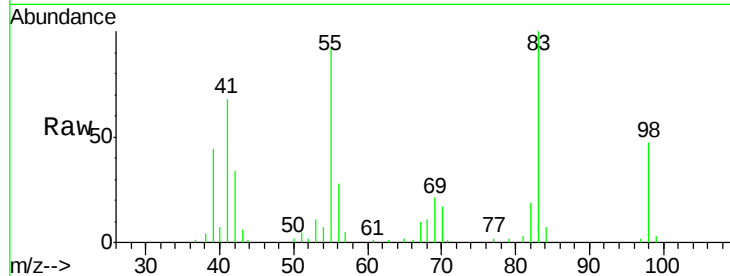




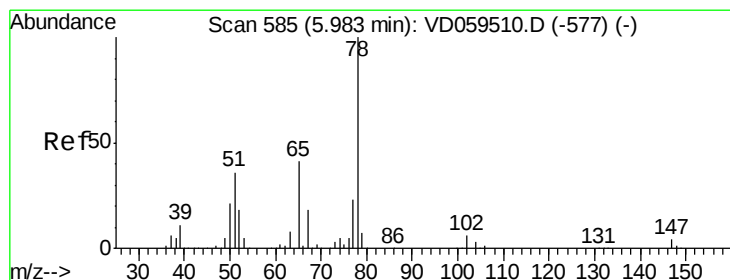
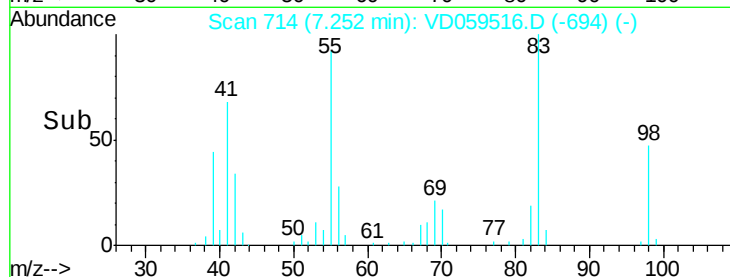
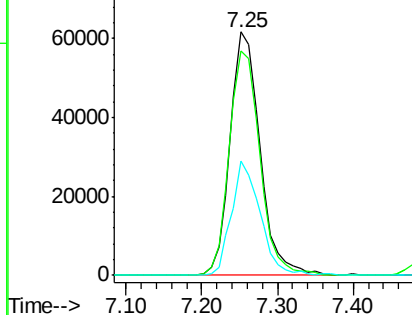
#39
Methvlcvclohexane
Concen: 19.77 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion: 83 Resp: 168353
Ion Ratio Lower Upper
83 100
55 92.4 74.2 111.4
98 47.1 35.5 53.3

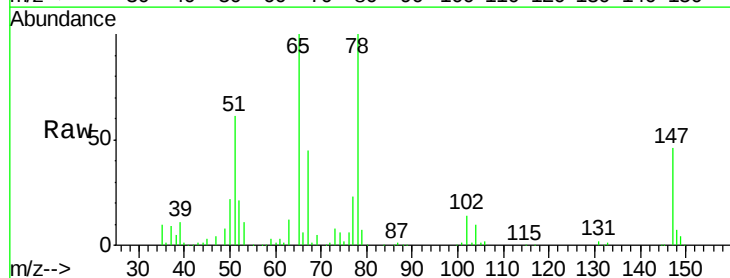


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

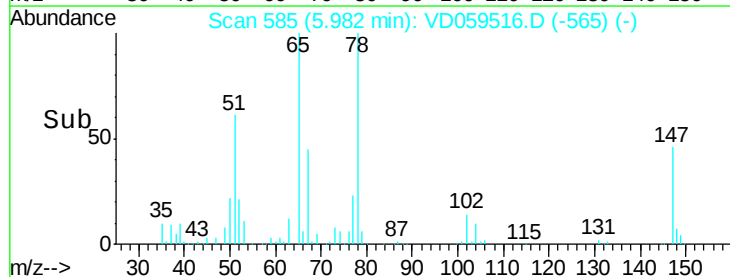
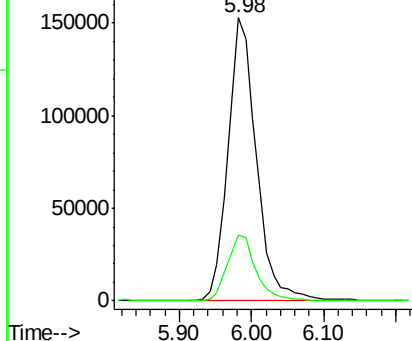


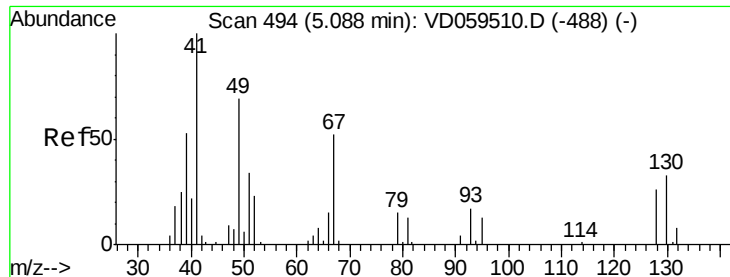
#40
Benzene
Concen: 19.46 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion: 78 Resp: 418742
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



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





#41

Methacrylonitrile

Concen: 20.74 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

Tot Ion: 41 Resp: 54715

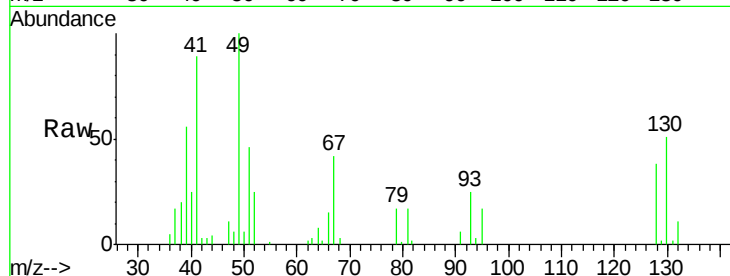
Ion Ratio Lower Upper

41 100

39 62.5 43.0 64.4

67 46.7 41.4 62.2

52 27.8 18.6 28.0

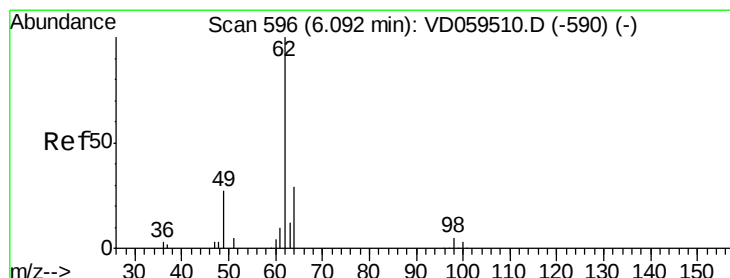
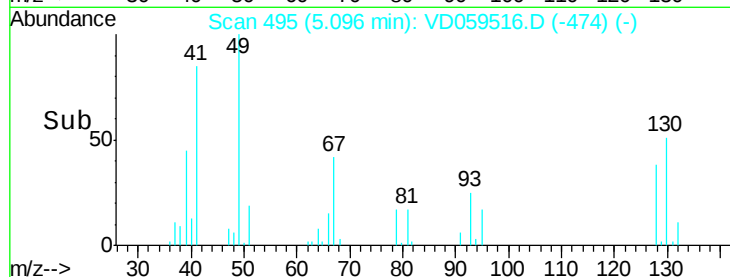
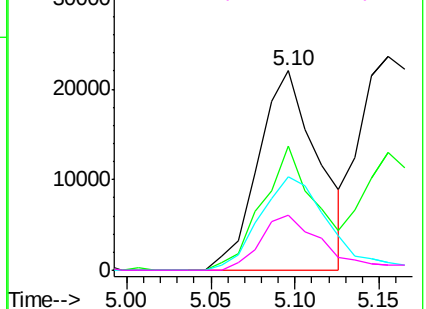


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.49 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059516.D

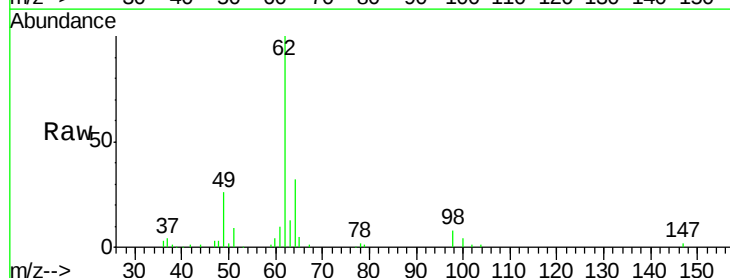
Acq: 2 Jul 2018 22:21

Tgt Ion: 62 Resp: 197336

Ion Ratio Lower Upper

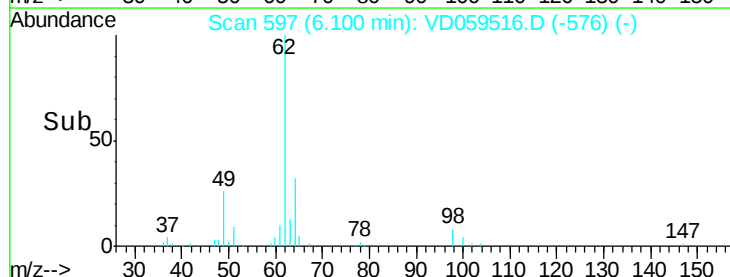
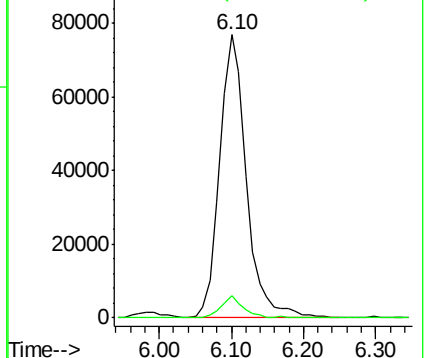
62 100

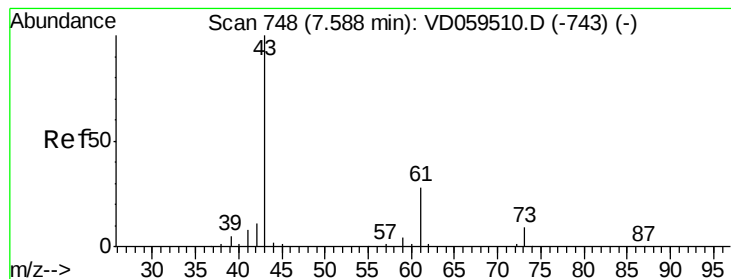
98 7.8 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.15 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

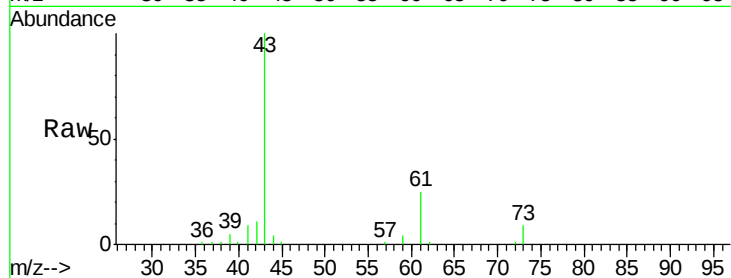
Tot Ion: 43 Resp: 145548

Ion Ratio Lower Upper

43 100

61 25.1 22.3 33.5

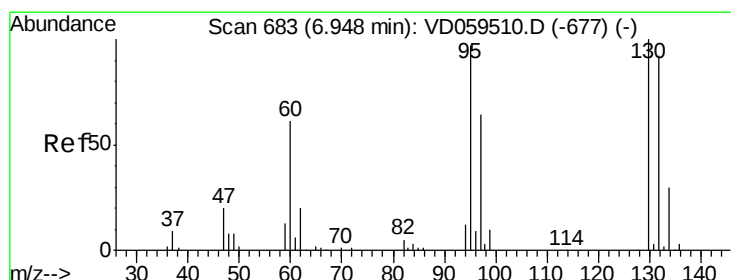
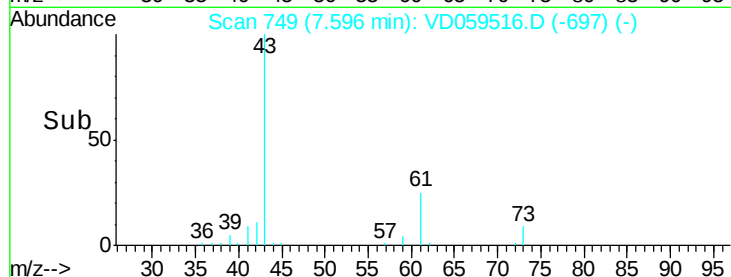
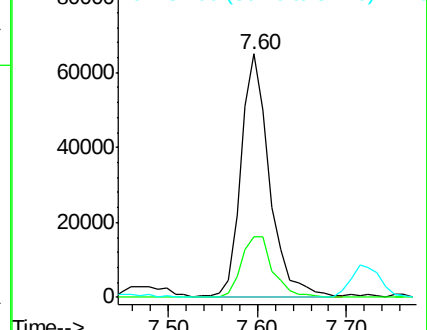
87 0.0 0.4 0.6#



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: 19.95 ug/l

RT: 6.96 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059516.D

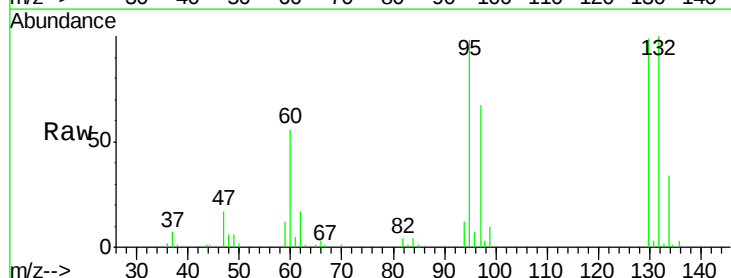
Acq: 2 Jul 2018 22:21

Tgt Ion:130 Resp: 130358

Ion Ratio Lower Upper

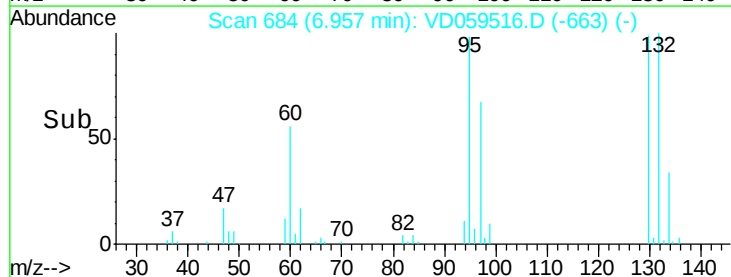
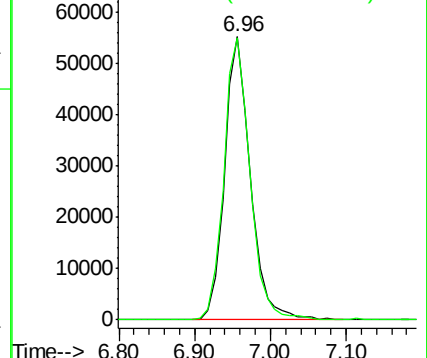
130 100

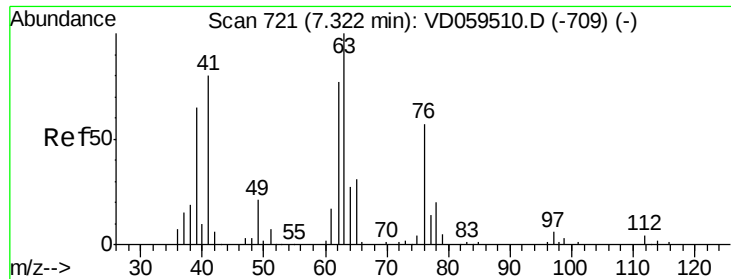
95 99.6 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.06 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

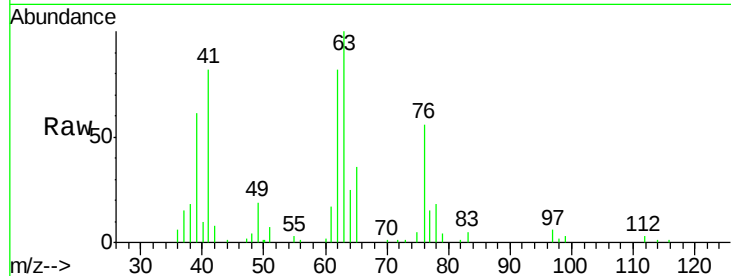
VD0702SBS01

Tot Ion: 63 Resp: 120690

Ion Ratio Lower Upper

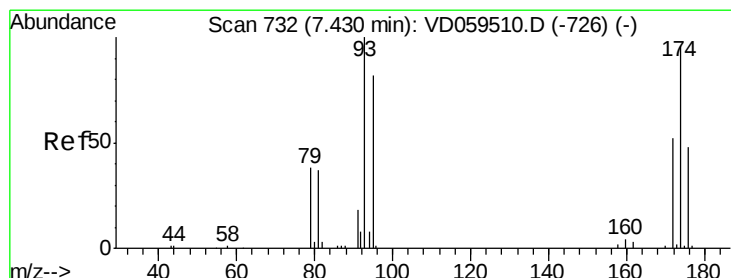
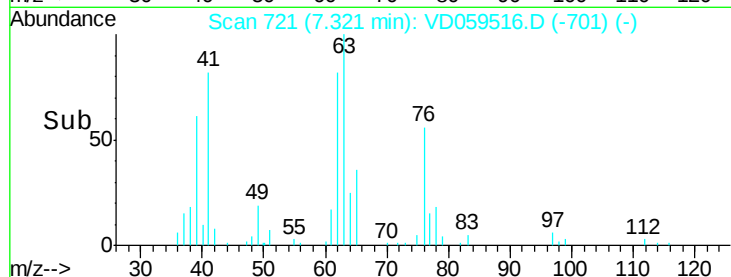
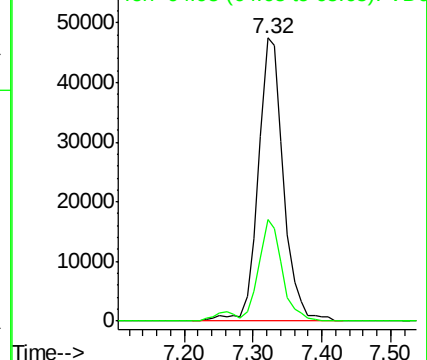
63 100

65 35.9 24.4 36.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.07 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

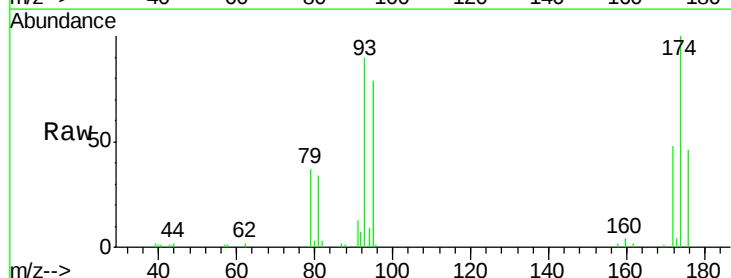
Tgt Ion: 93 Resp: 81703

Ion Ratio Lower Upper

93 100

95 87.7 65.7 98.5

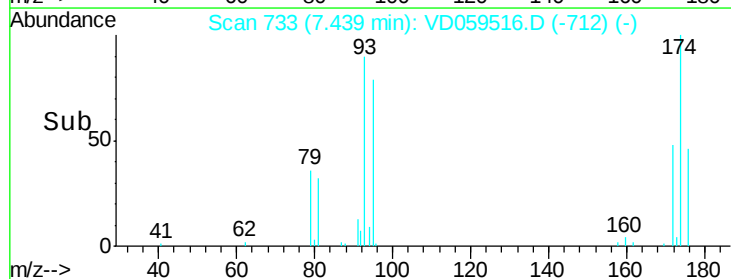
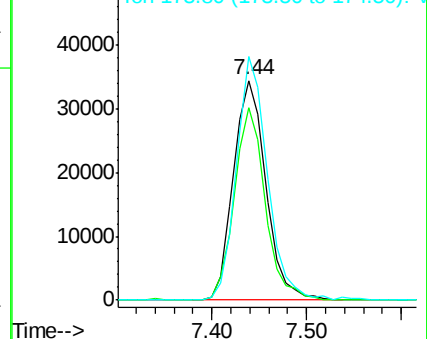
174 110.7 77.2 115.8

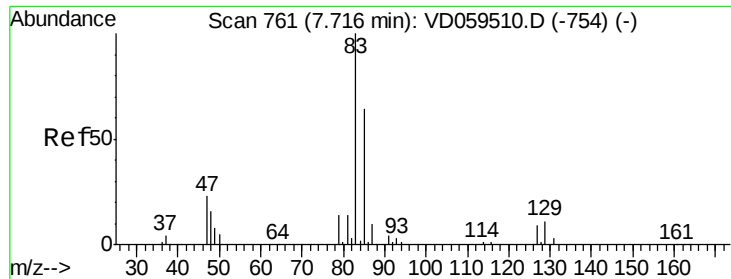


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.89 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

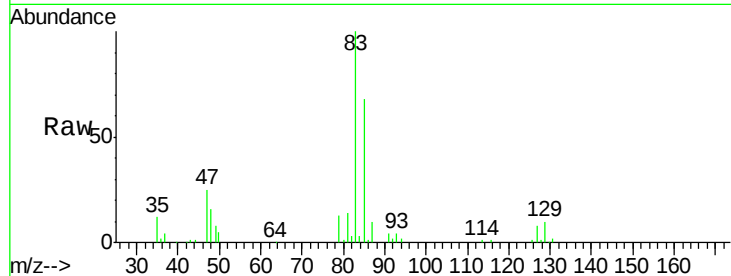
Tot Ion: 83 Resp: 188469

Ion Ratio Lower Upper

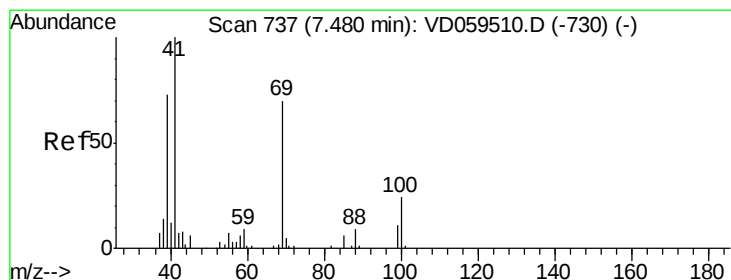
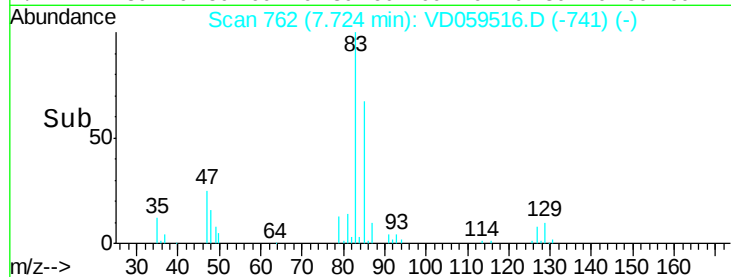
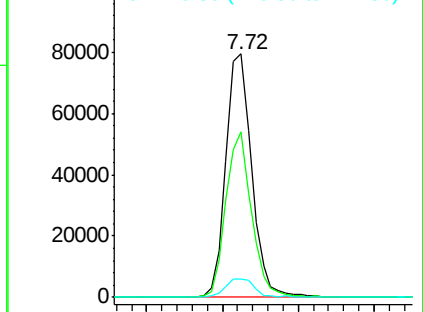
83 100

85 68.0 51.0 76.4

127 7.6 7.0 10.6



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



#48

Methyl methacrylate

Concen: 19.77 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

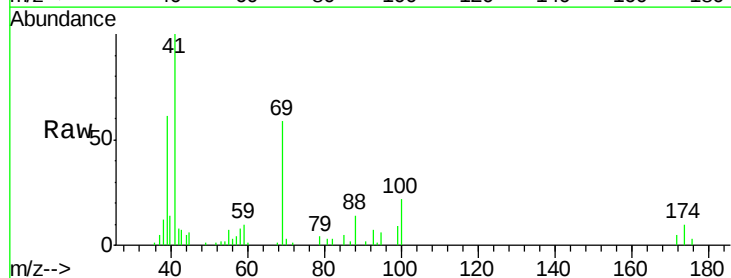
Tgt Ion: 41 Resp: 84872

Ion Ratio Lower Upper

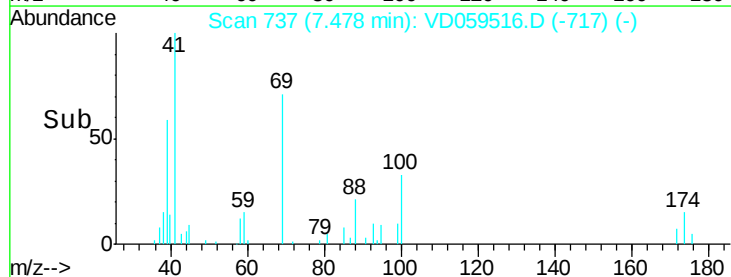
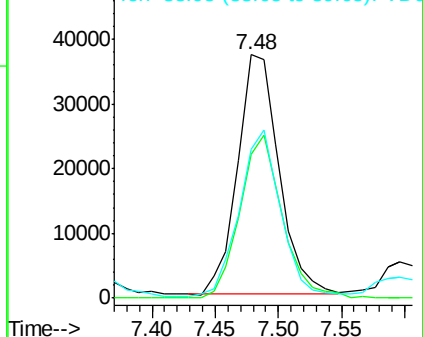
41 100

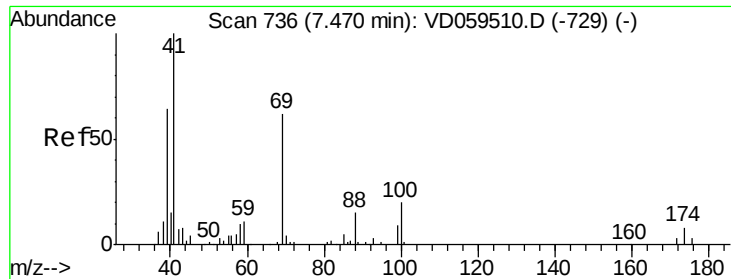
69 58.9 55.8 83.8

39 61.2 58.7 88.1



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

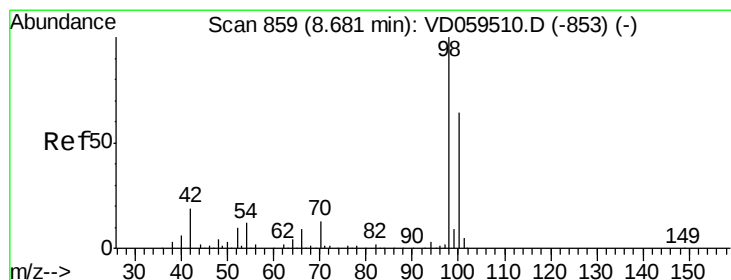
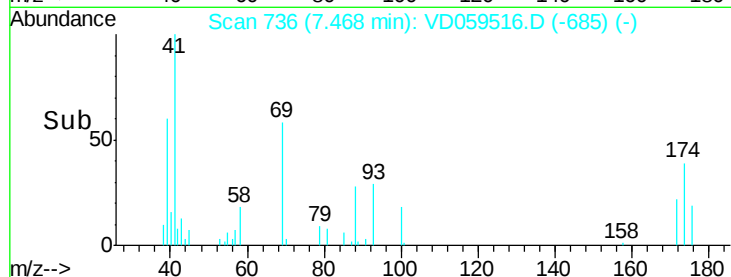
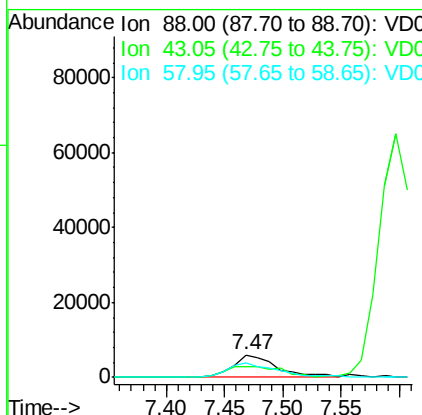
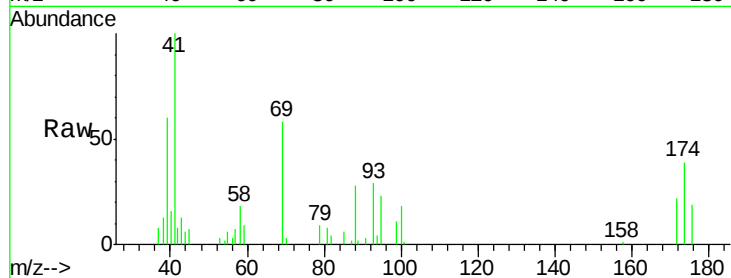




#49
 1,4-Dioxane
 Concen: 388.08 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

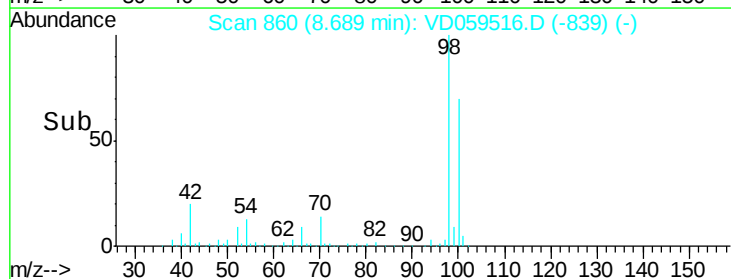
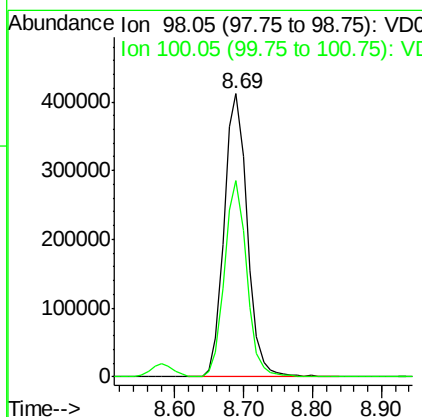
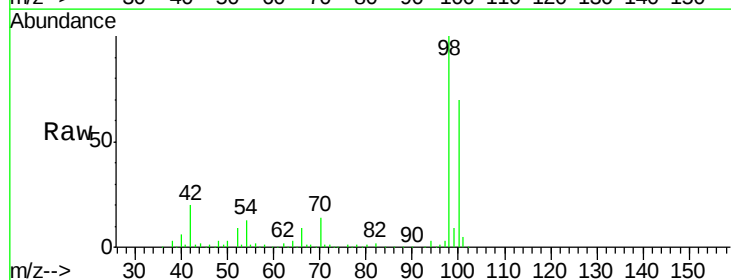
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

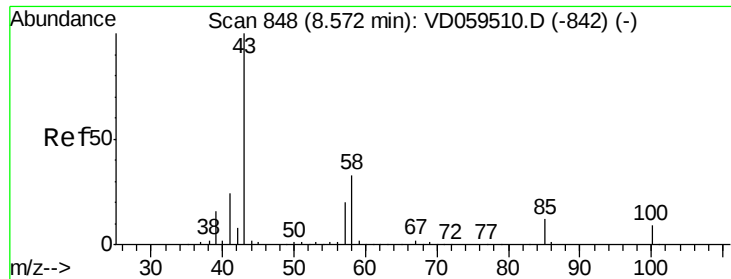
Tot Ion: 88 Resp: 15523
 Ion Ratio Lower Upper
 88 100
 43 44.9 41.4 62.0
 58 62.9 49.4 74.2



#50
 Toluene-d8
 Concen: 388.08 ug/l
 RT: 8.69 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 98 Resp: 958296
 Ion Ratio Lower Upper
 98 100
 100 69.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 105.62 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

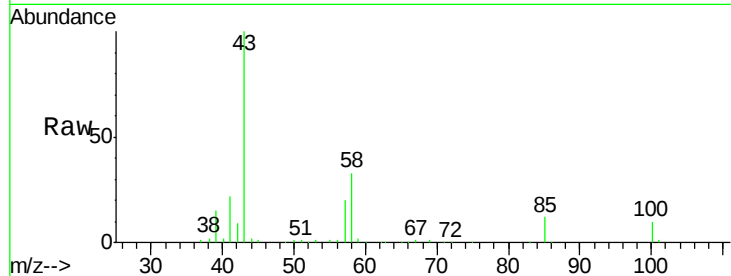
VD0702SBS01

Tot Ion: 43 Resp: 474761

Ion Ratio Lower Upper

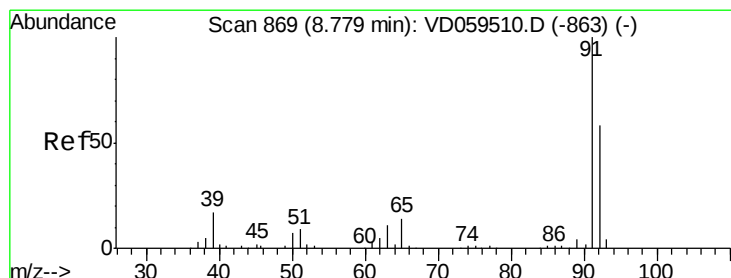
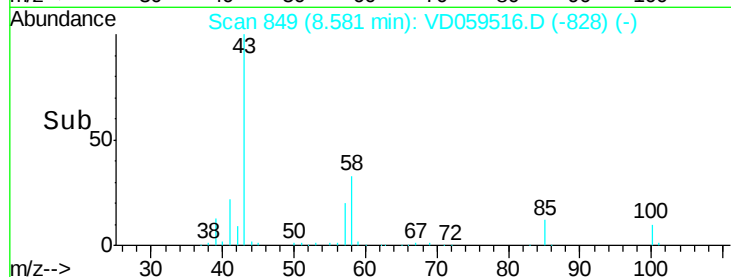
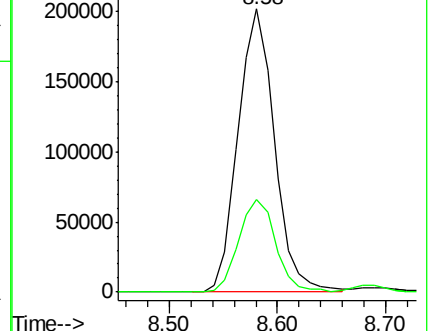
43 100

58 32.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.07 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059516.D

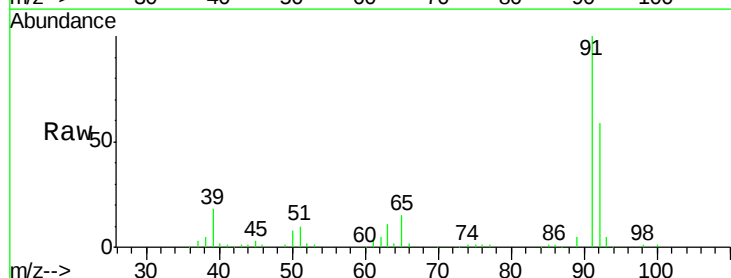
Acq: 2 Jul 2018 22:21

Tgt Ion: 92 Resp: 238398

Ion Ratio Lower Upper

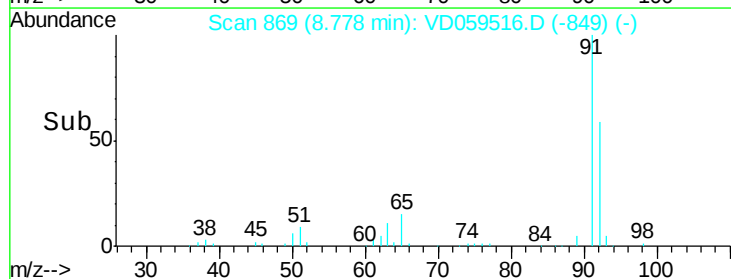
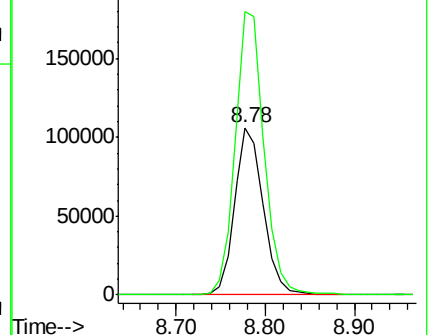
92 100

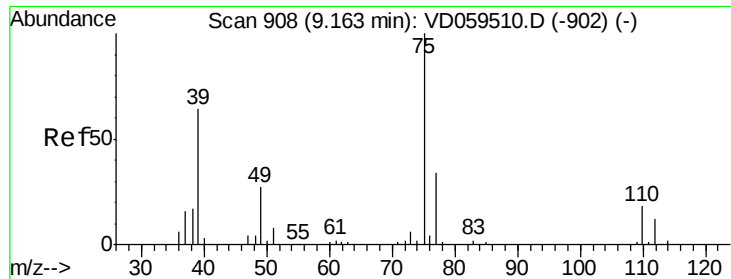
91 169.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

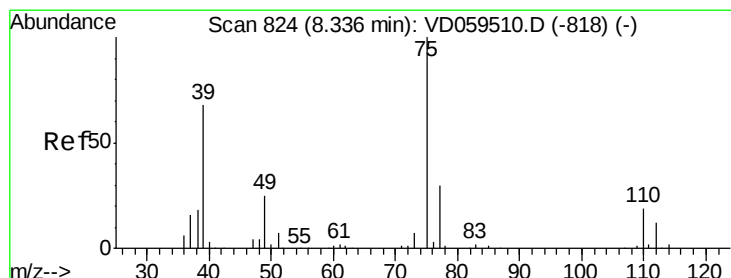
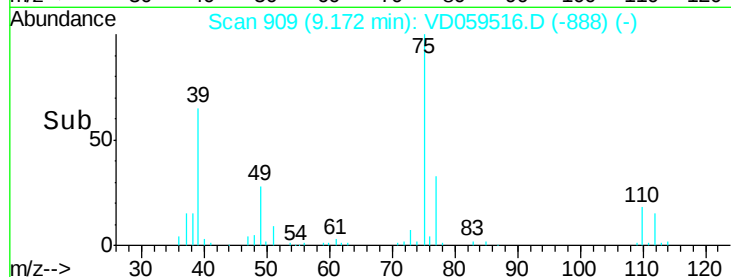
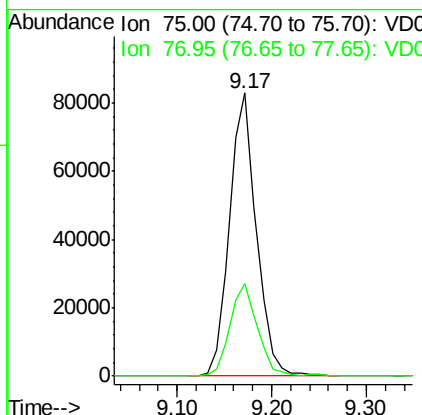
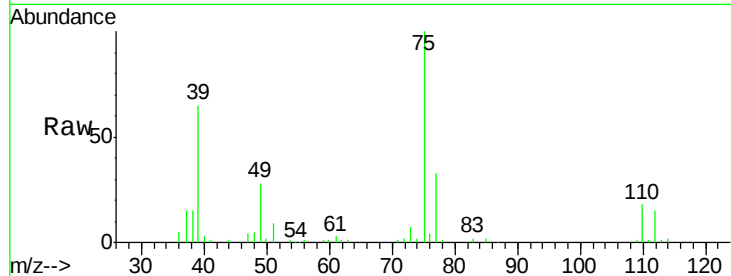




#53
 t-1,3-Dichloropropene
 Concen: 19.75 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

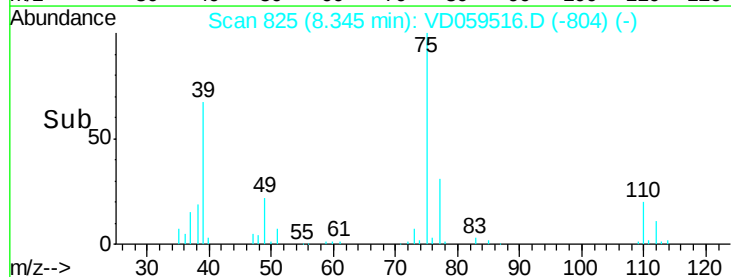
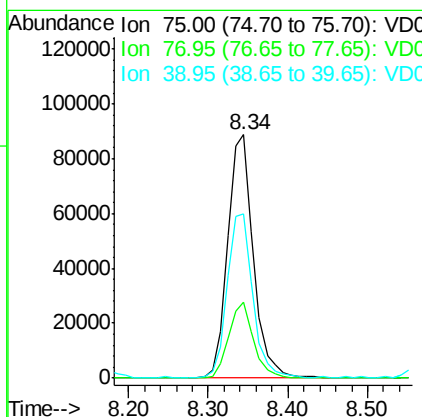
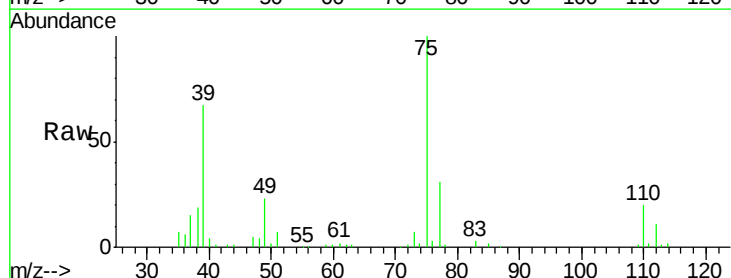
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

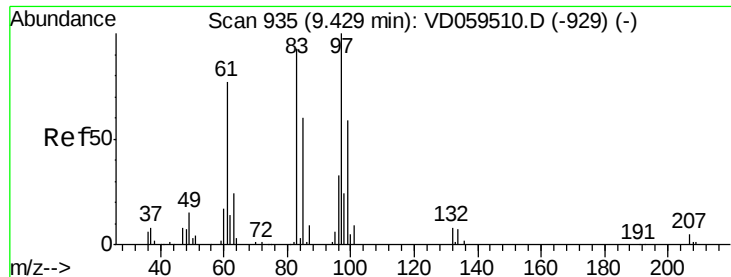
Tot Ion: 75 Resp: 163036
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.91 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 75 Resp: 200196
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.4 36.6
 39 67.5 54.7 82.1

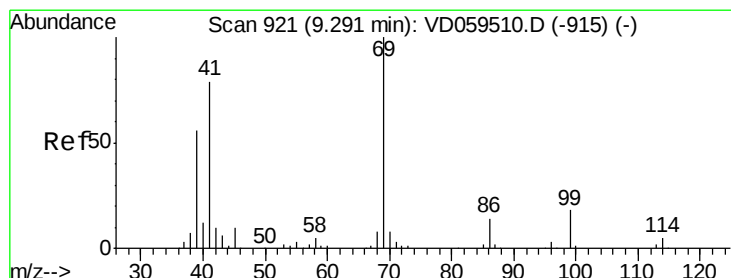
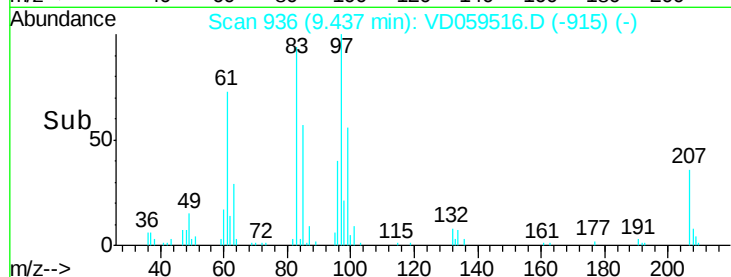
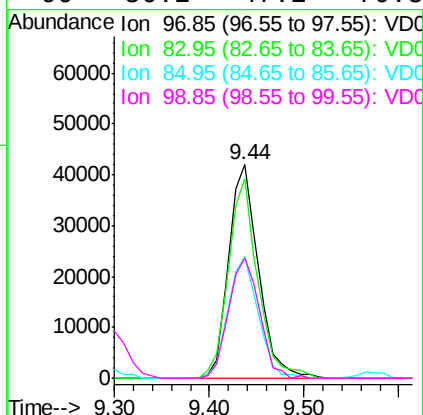
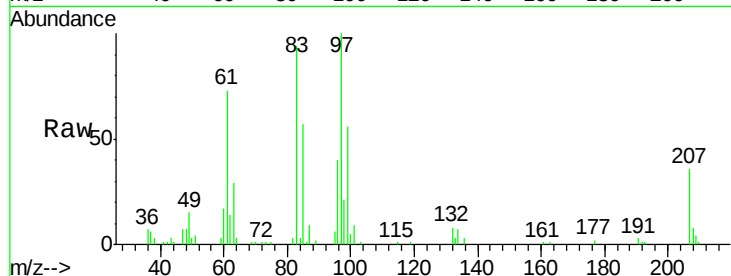




#55
 1,1,2-Trichloroethane
 Concen: 21.00 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

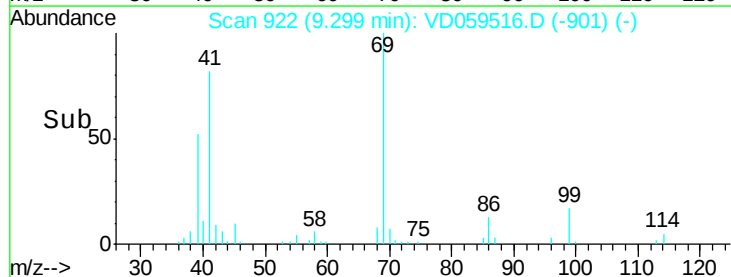
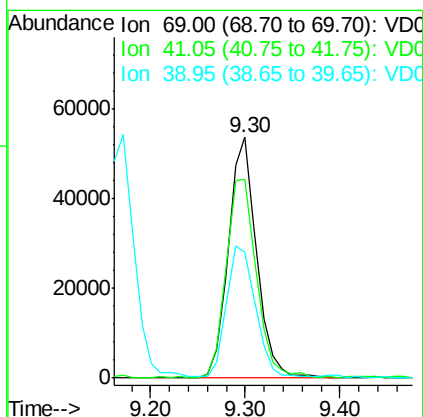
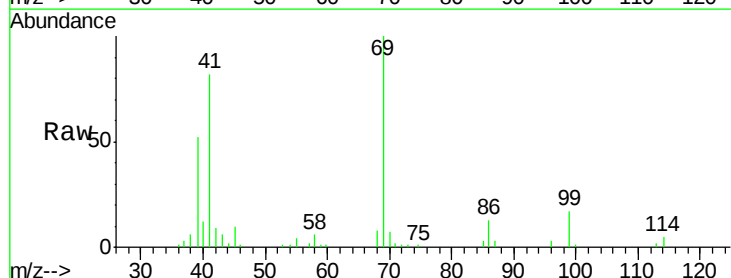
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

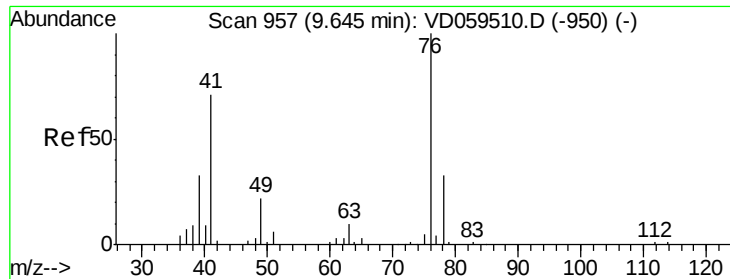
Tot Ion: 97 Resp: 91495
 Ion Ratio Lower Upper
 97 100
 83 93.5 74.3 111.5
 85 56.7 48.1 72.1
 99 56.2 47.2 70.8



#56
 Ethyl methacrylate
 Concen: 20.18 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 69 Resp: 110139
 Ion Ratio Lower Upper
 69 100
 41 82.5 63.4 95.0
 39 52.3 45.0 67.6

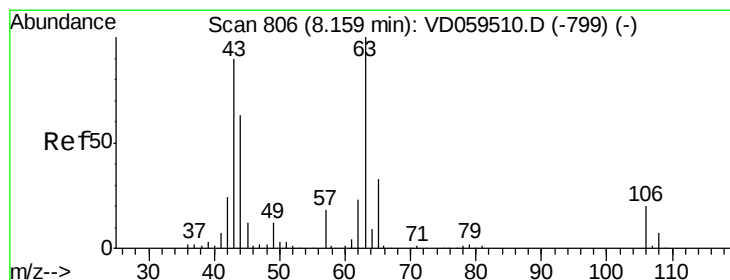
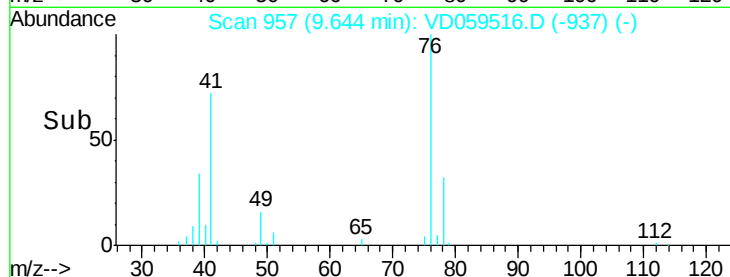
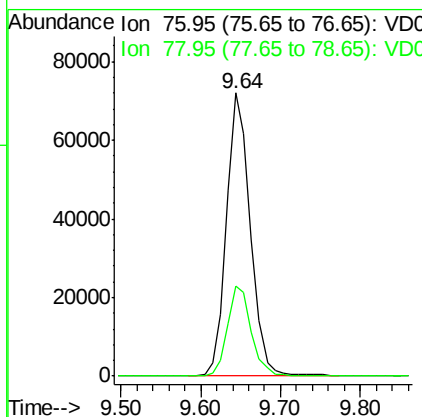
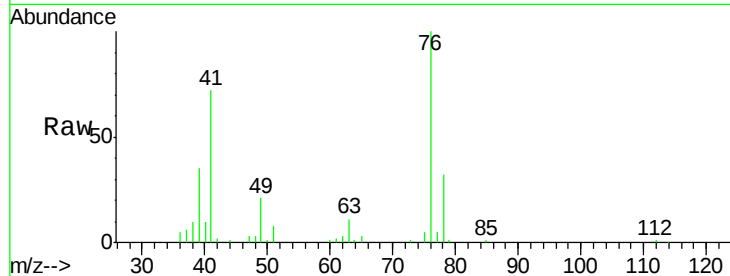




#57
 1,3-Dichloropropane
 Concen: 19.31 ug/l
 RT: 9.64 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

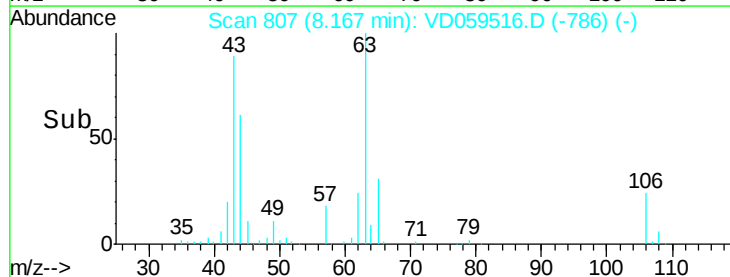
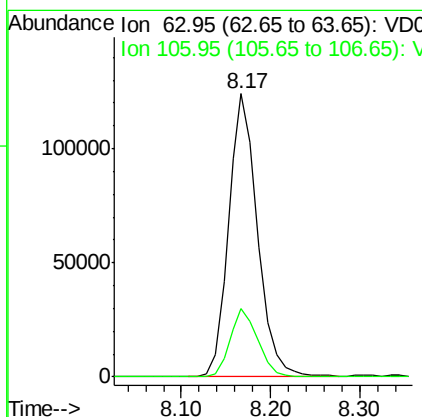
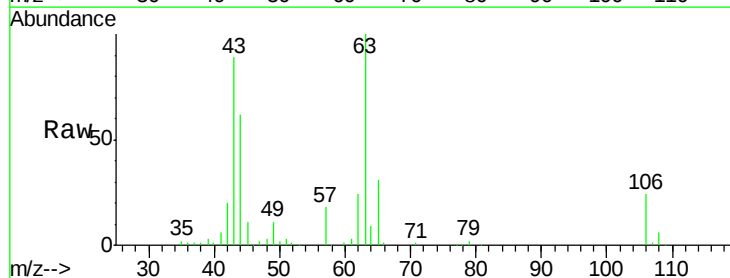
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

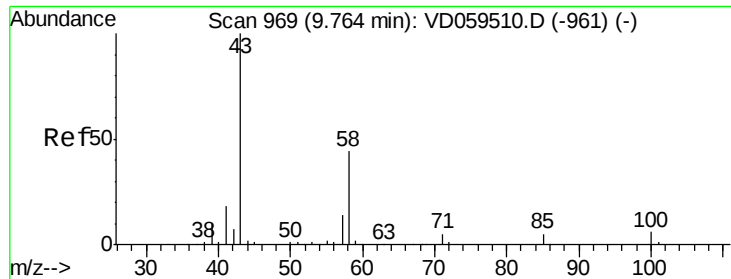
Tot Ion: 76 Resp: 151553
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.60 ug/l
 RT: 8.17 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 63 Resp: 281449
 Ion Ratio Lower Upper
 63 100
 106 24.1 16.4 24.6

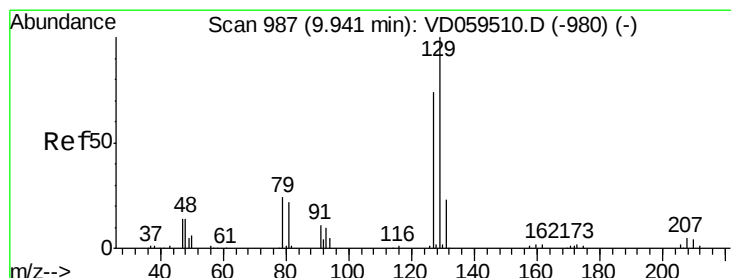
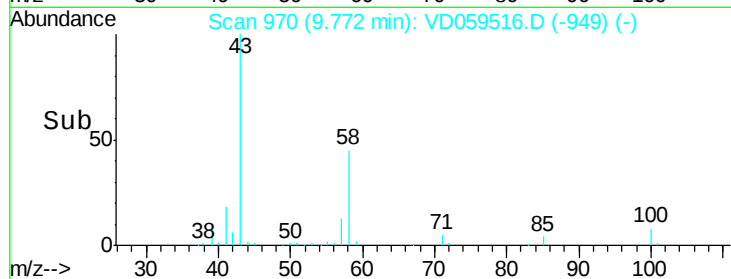
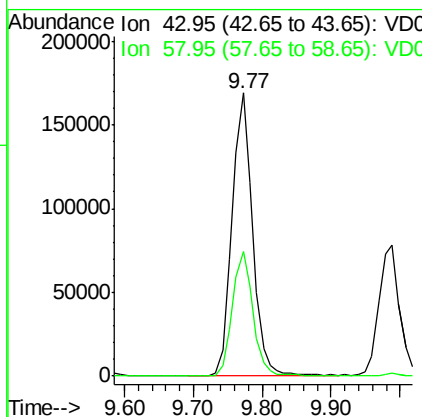
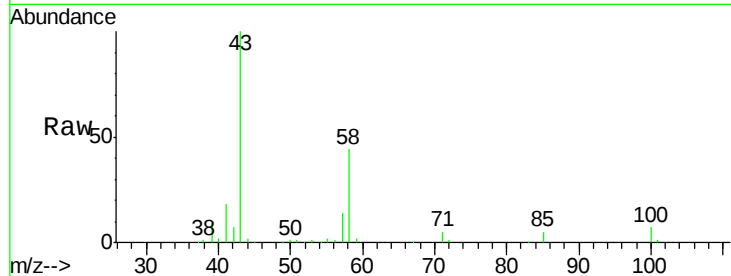




#59
 2-Hexanone
 Concen: 105.53 ug/l
 RT: 9.77 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

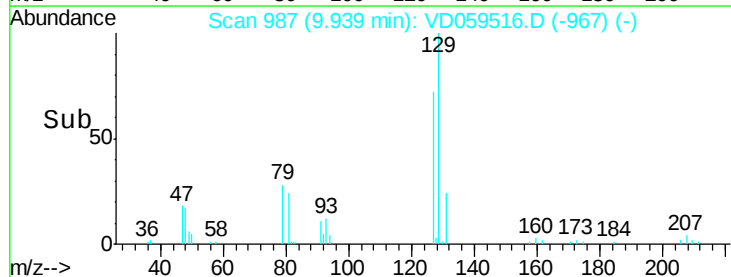
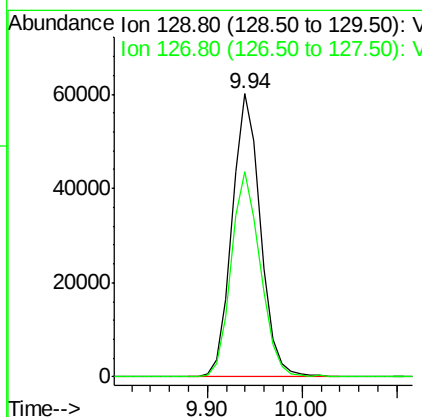
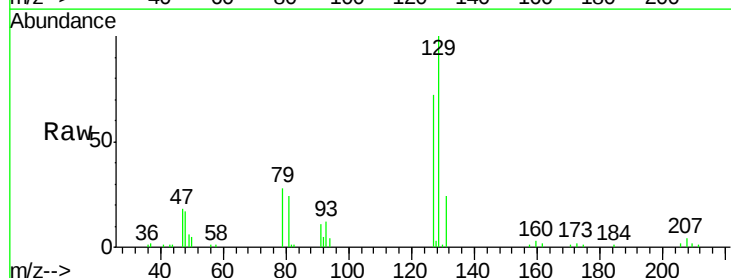
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

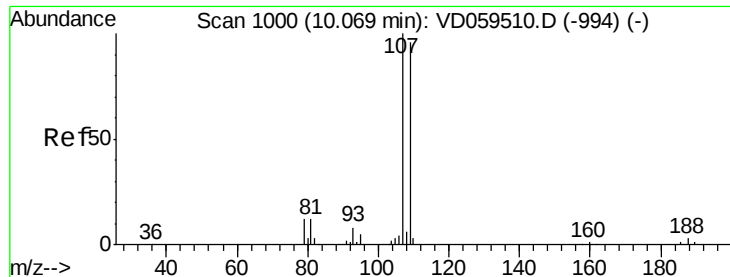
Tot Ion: 43 Resp: 348904
 Ion Ratio Lower Upper
 43 100
 58 44.3 22.0 66.0



#60
 Dibromochloromethane
 Concen: 20.45 ug/l
 RT: 9.94 min Scan# 987
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion:129 Resp: 124377
 Ion Ratio Lower Upper
 129 100
 127 72.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 19.46 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

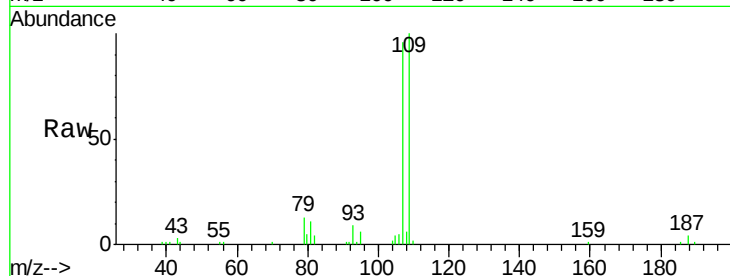
VD0702SBS01

Tot Ion:107 Resp: 93843

Ion Ratio Lower Upper

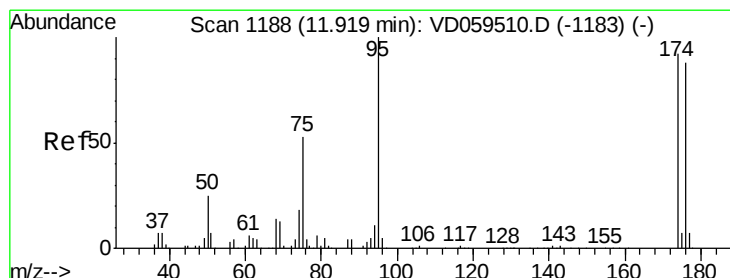
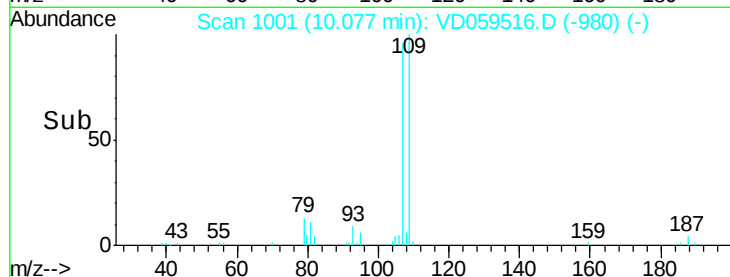
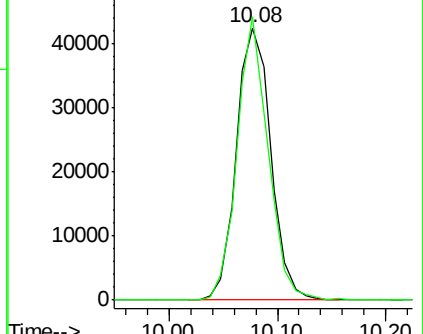
107 100

109 104.0 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.46 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

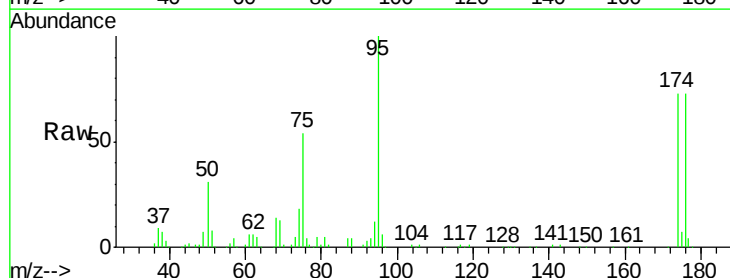
Tgt Ion: 95 Resp: 389201

Ion Ratio Lower Upper

95 100

174 73.4 0.0 183.0

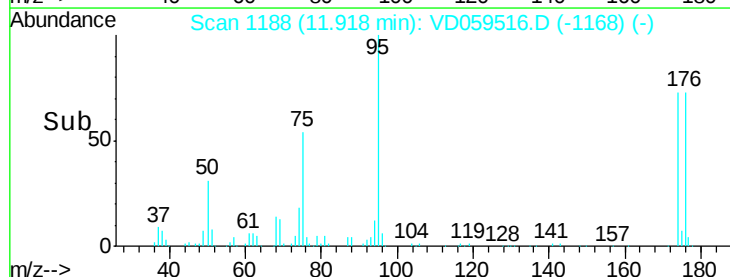
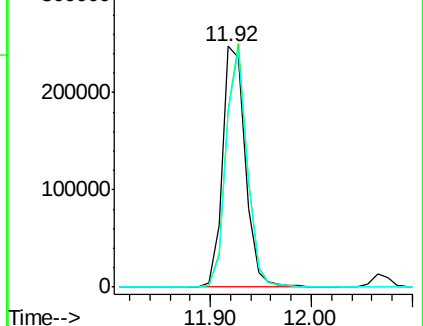
176 72.8 0.0 176.6

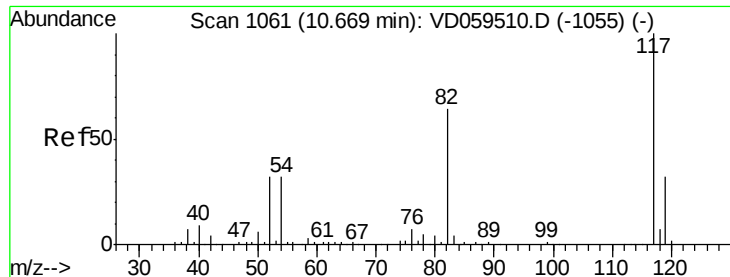


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

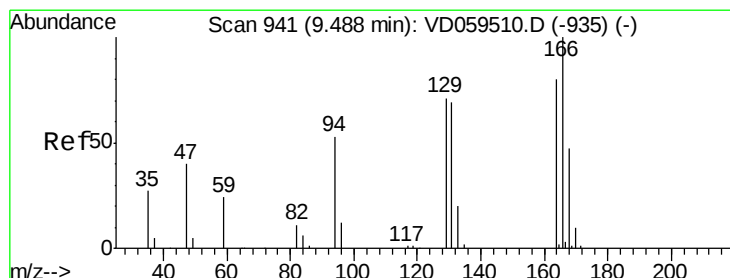
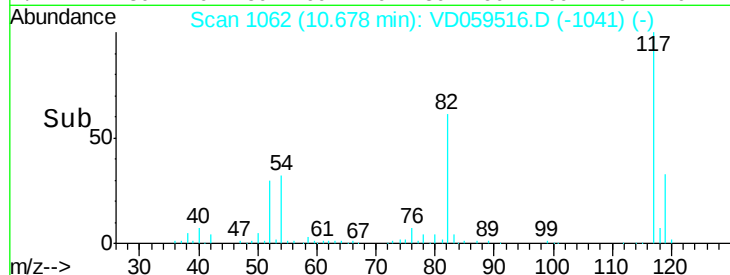
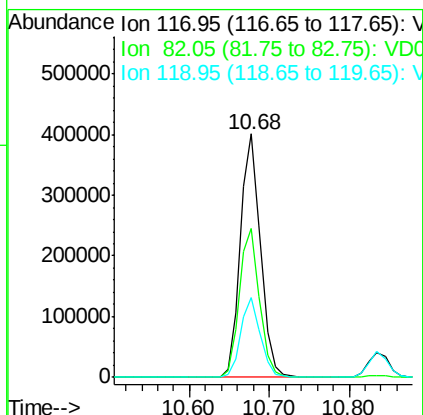
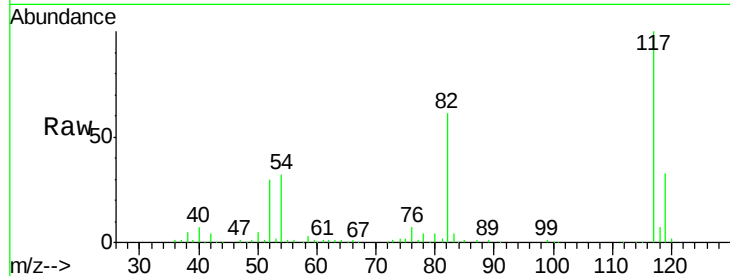




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

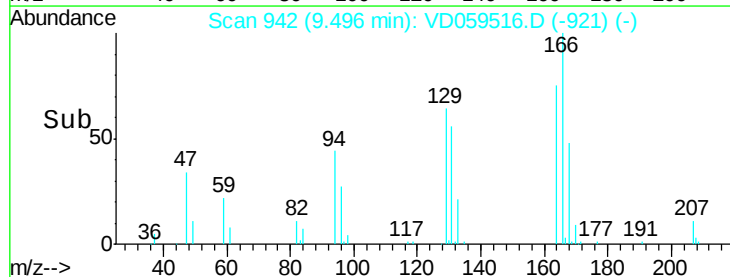
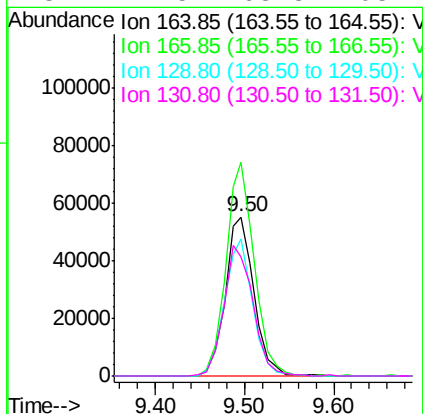
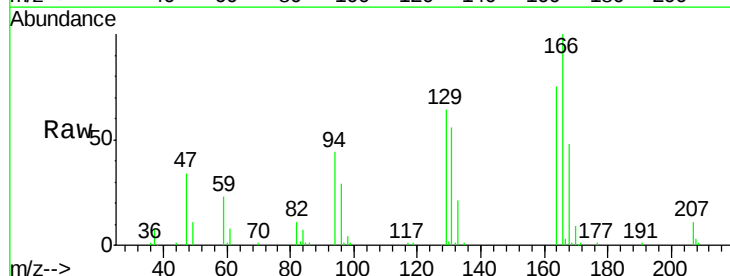
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

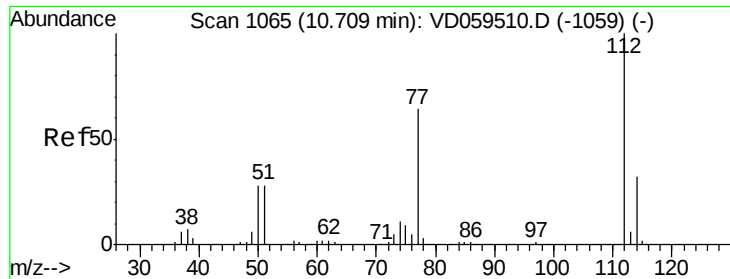
Tot Ion:117 Resp: 705171
Ion Ratio Lower Upper
117 100
82 61.0 51.1 76.7
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: 20.40 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion:164 Resp: 123721
Ion Ratio Lower Upper
164 100
166 134.1 99.5 149.3
129 85.9 70.9 106.3
131 74.5 68.8 103.2

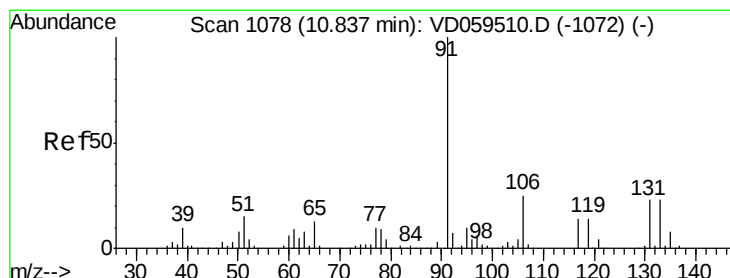
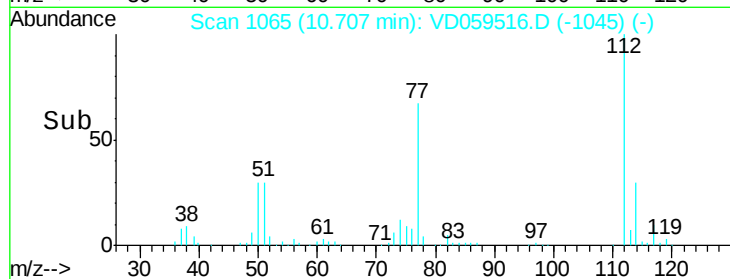
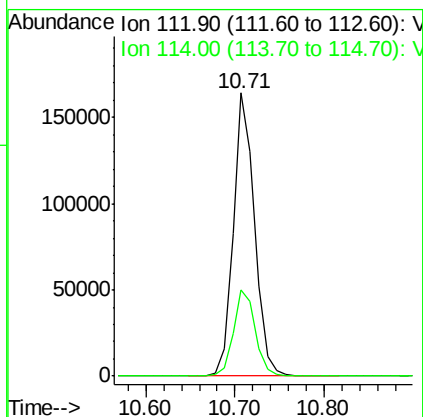
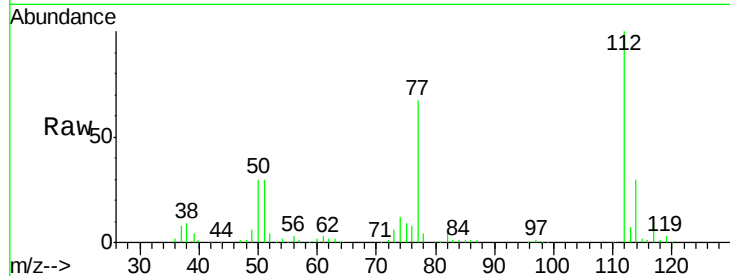




#65
Chlorobenzene
Concen: 20.20 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

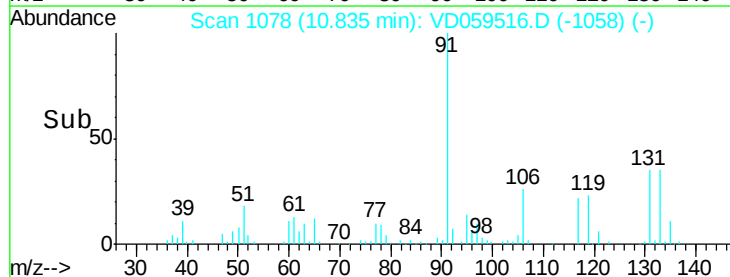
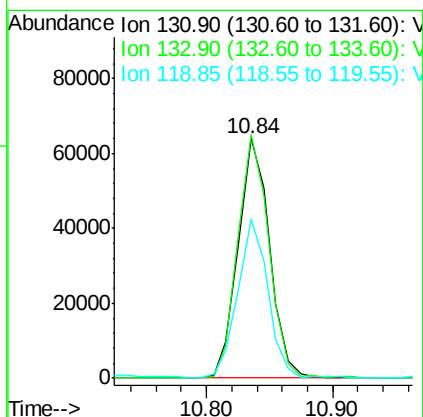
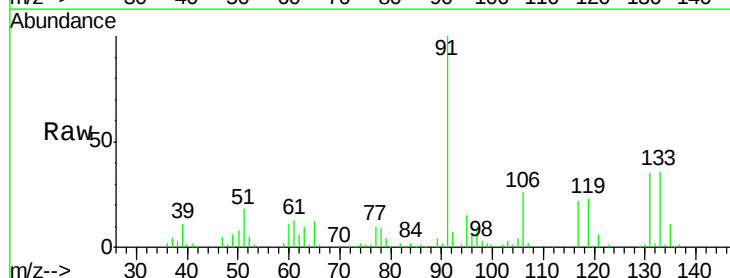
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

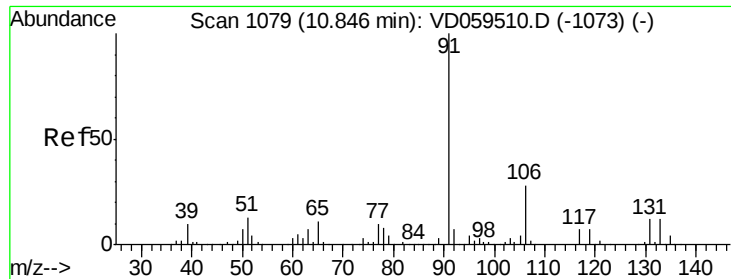
Tot Ion:112 Resp: 274383
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.98 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion:131 Resp: 110519
Ion Ratio Lower Upper
131 100
133 101.7 48.9 146.6
119 66.5 30.7 92.1





#67

Ethyl Benzene

Concen: 19.84 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

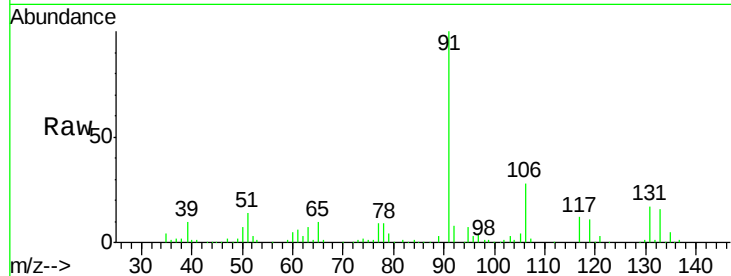
VD0702SBS01

Tot Ion: 91 Resp: 477849

Ion Ratio Lower Upper

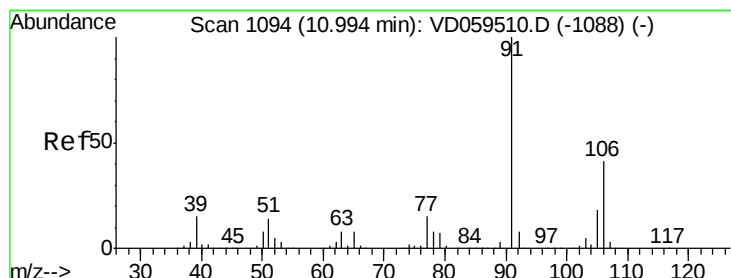
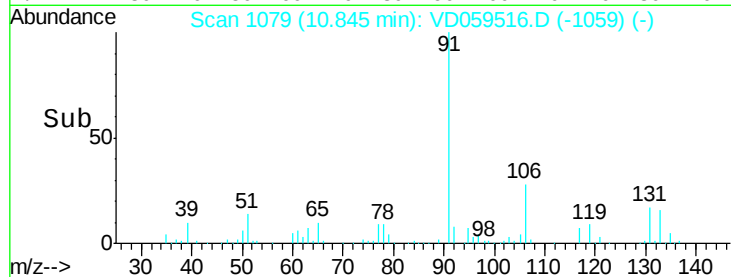
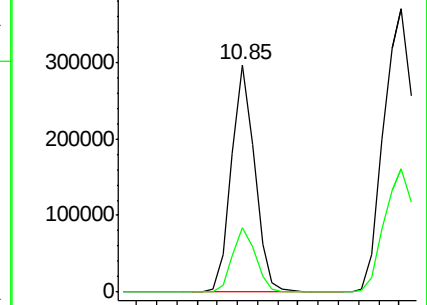
91 100

106 28.3 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 42.04 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VD059516.D

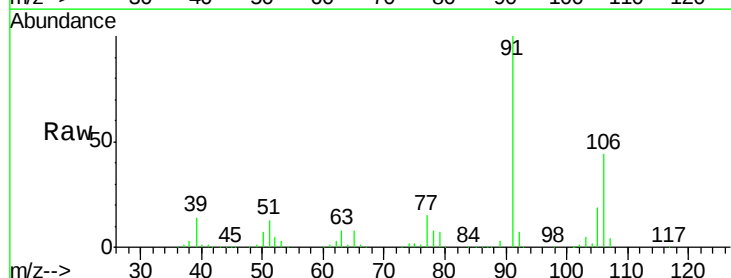
Acq: 2 Jul 2018 22:21

Tgt Ion: 106 Resp: 334084

Ion Ratio Lower Upper

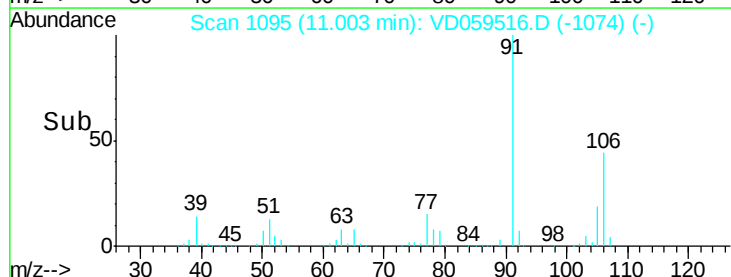
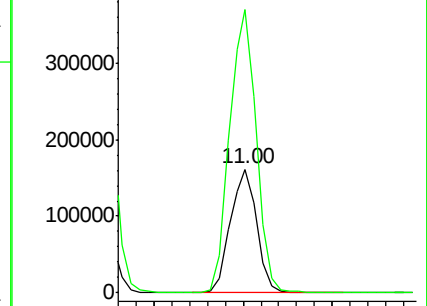
106 100

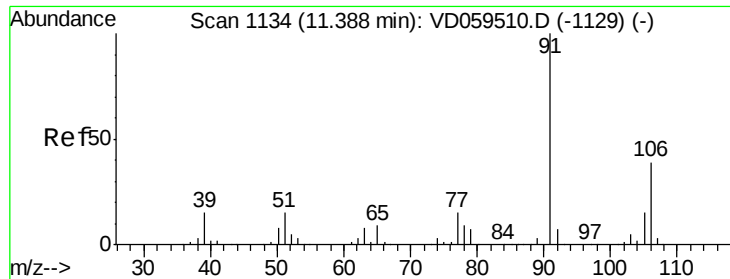
91 229.4 194.1 291.1



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

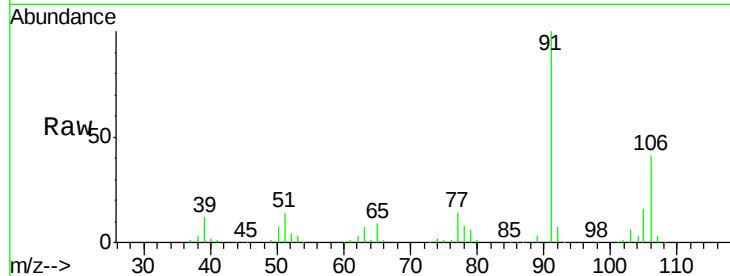




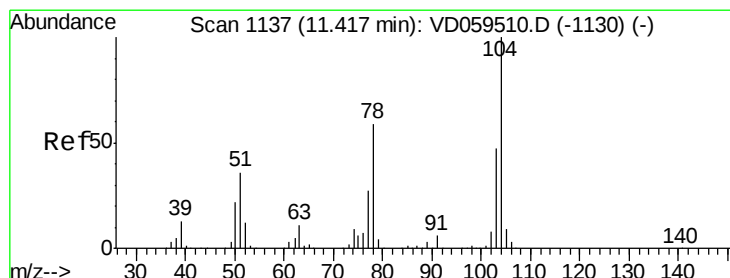
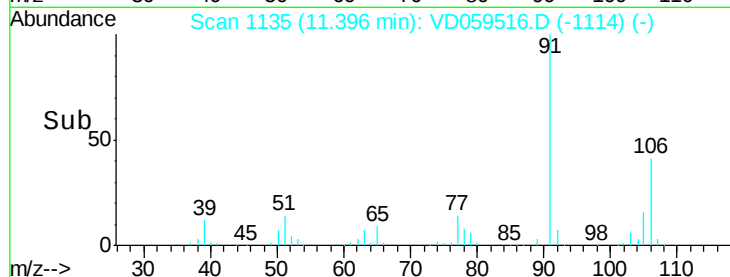
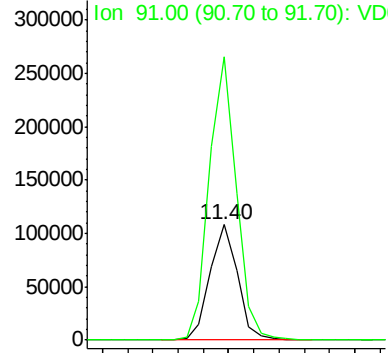
#69
o-Xylene
Concen: 21.32 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Instrument :
MSVOA_D
ClientSampleID :
VD0702SBS01

Tot Ion:106 Resp: 163227
Ion Ratio Lower Upper
106 100
91 245.2 127.0 381.0

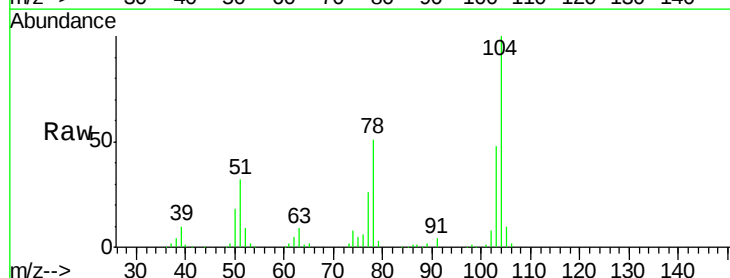


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

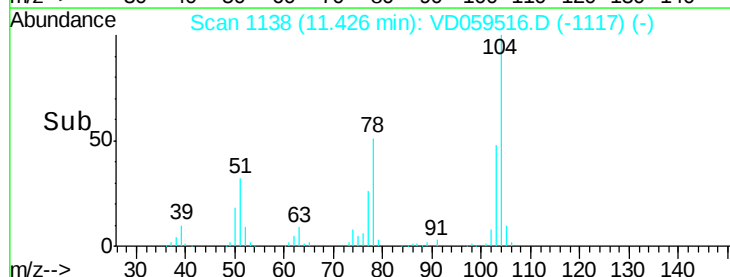
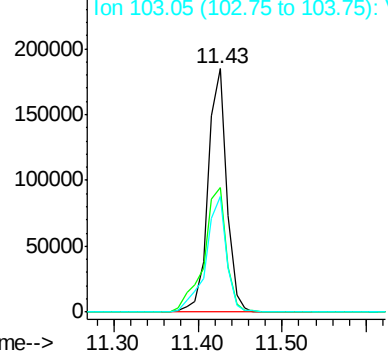


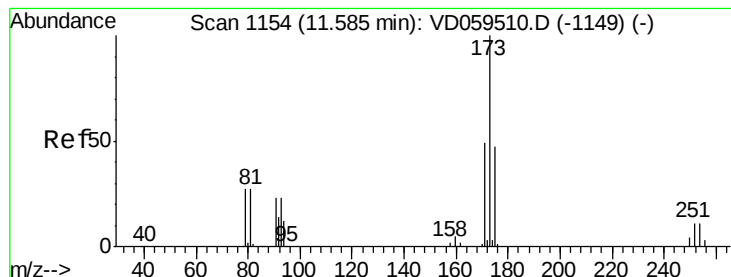
#70
Styrene
Concen: 22.08 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion:104 Resp: 283429
Ion Ratio Lower Upper
104 100
78 51.0 47.6 71.4
103 47.6 37.6 56.4



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





#71

Bromoform

Concen: 19.85 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

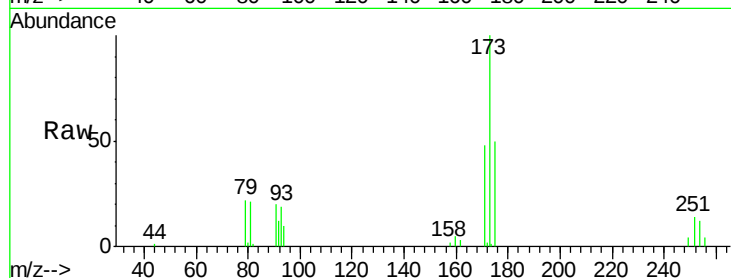
Tot Ion:173 Resp: 82884

Ion Ratio Lower Upper

173 100

175 50.2 23.3 69.8

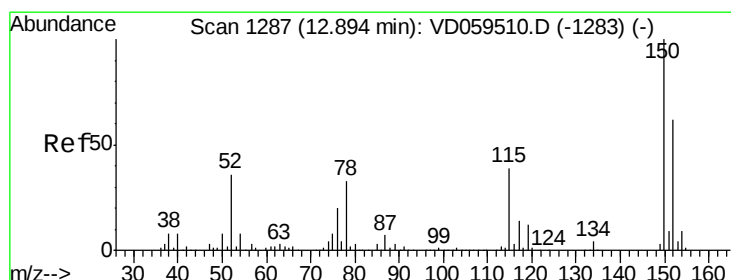
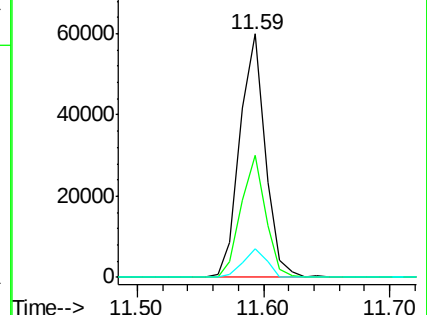
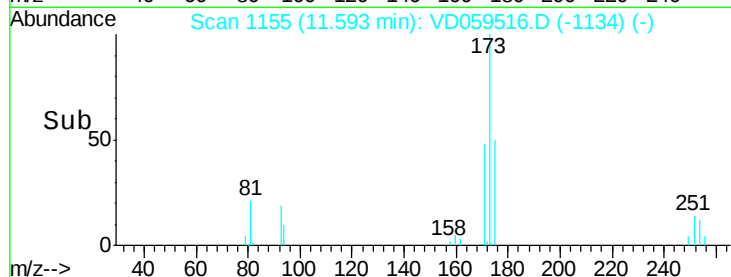
254 12.0 9.0 13.6



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: VD059516.D

Acq: 2 Jul 2018 22:21

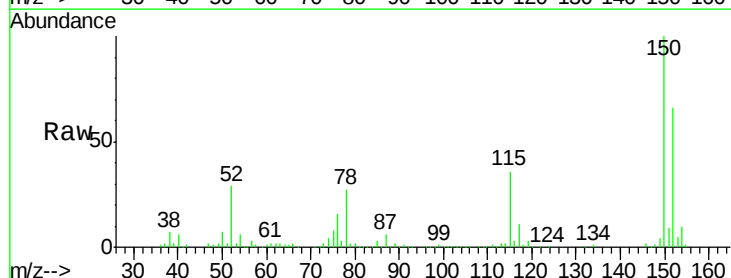
Tgt Ion:152 Resp: 383334

Ion Ratio Lower Upper

152 100

115 54.0 31.3 93.9

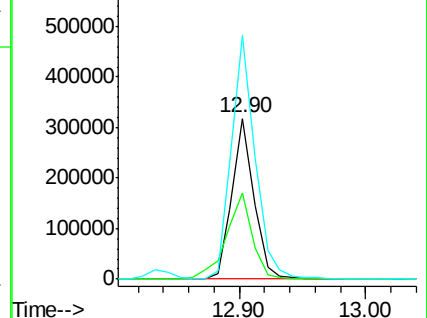
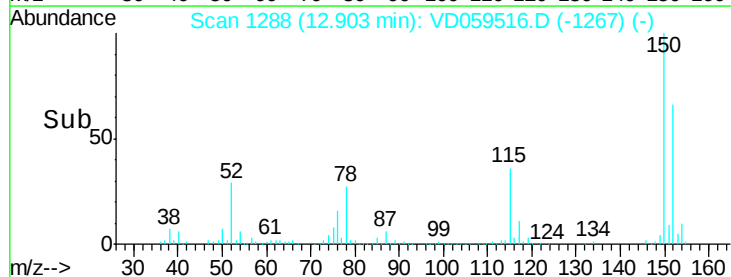
150 151.8 0.0 323.6

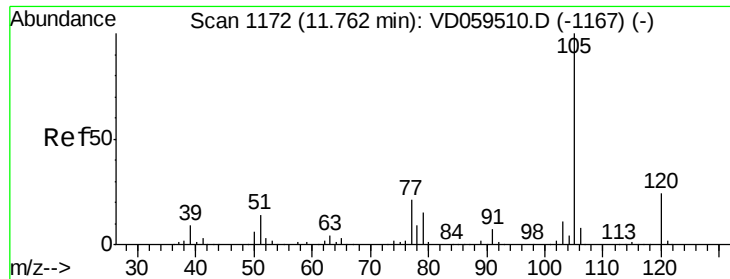


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.53 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

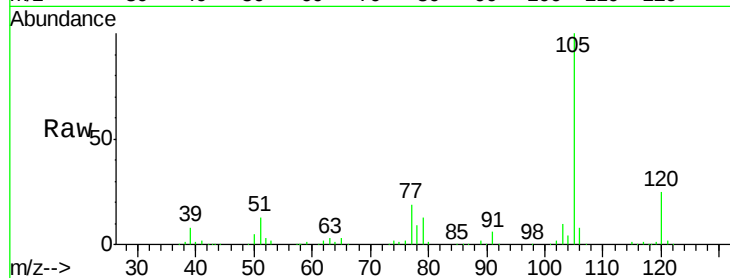
VD0702SBS01

Tot Ion:105 Resp: 470360

Ion Ratio Lower Upper

105 100

120 24.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

300000

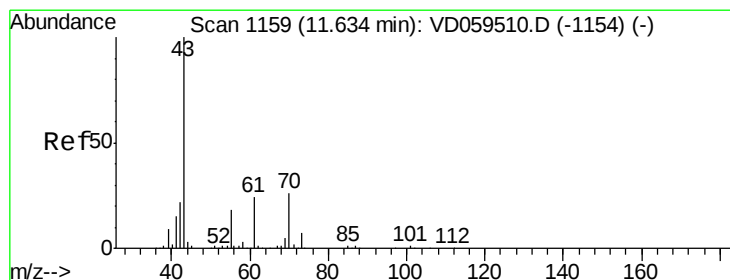
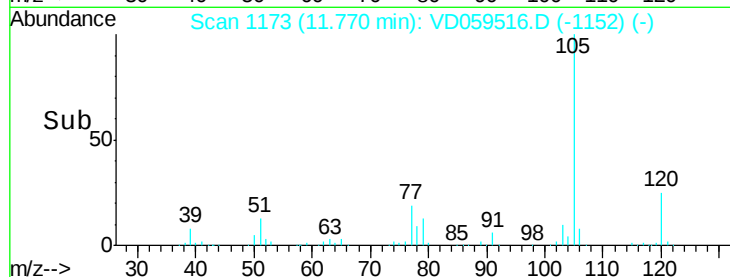
200000

100000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 19.77 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Tgt Ion: 43 Resp: 191182

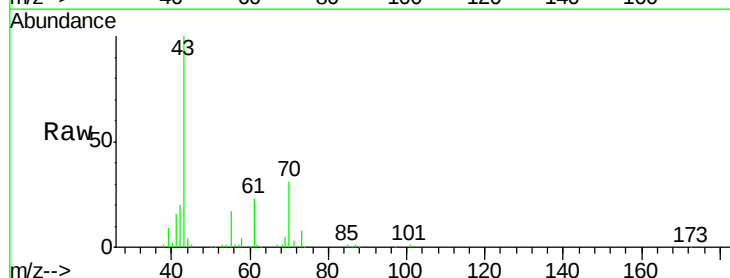
Ion Ratio Lower Upper

43 100

70 31.4 20.6 31.0#

55 17.4 14.4 21.6

61 23.1 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.64

150000

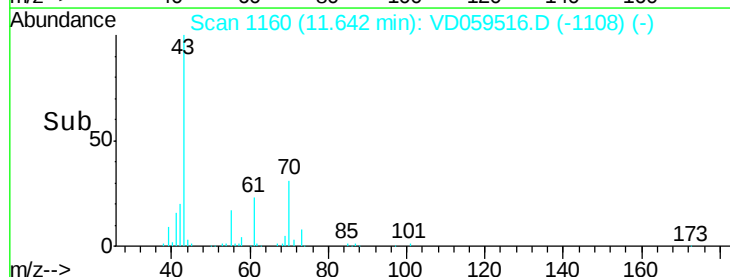
100000

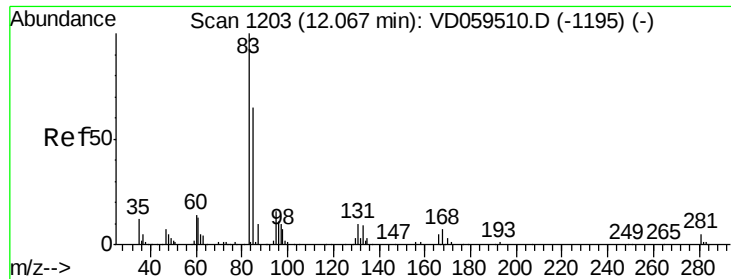
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

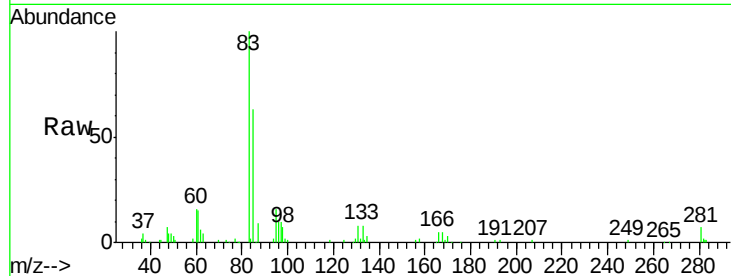
Tot Ion: 83 Resp: 115991

Ion Ratio Lower Upper

83 100

131 8.0 5.0 15.0

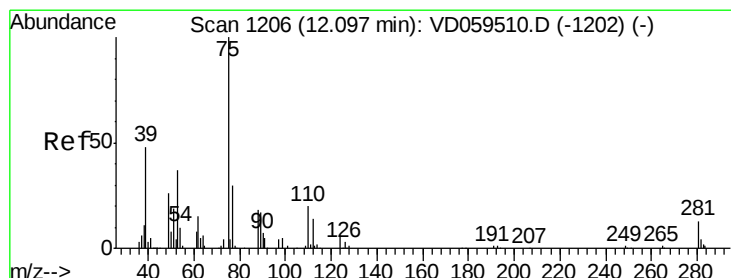
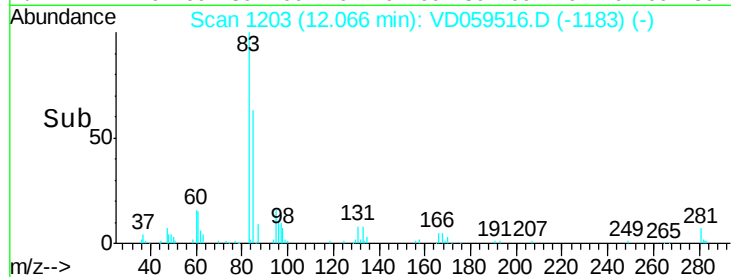
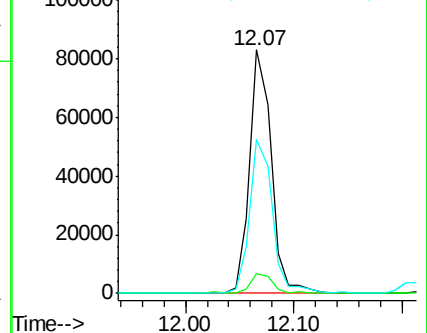
85 63.4 32.3 96.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.34 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VD059516.D

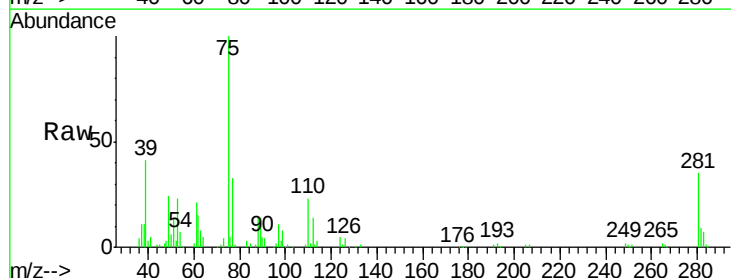
Acq: 2 Jul 2018 22:21

Tgt Ion: 75 Resp: 119639

Ion Ratio Lower Upper

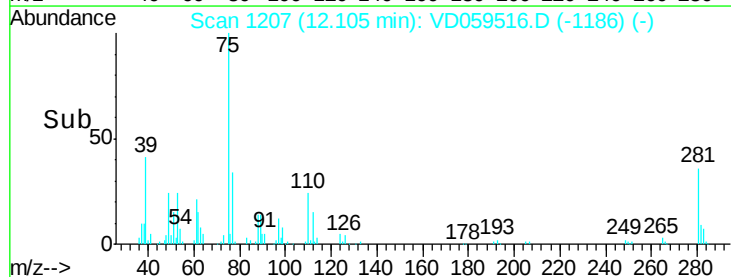
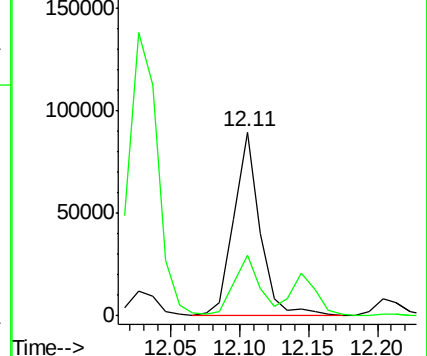
75 100

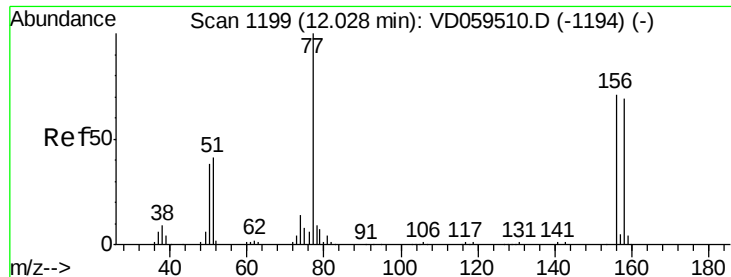
77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.07 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

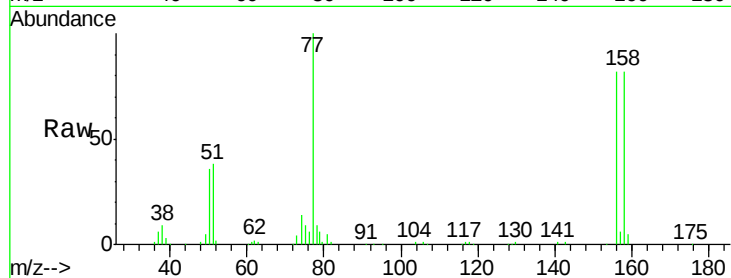
Tot Ion:156 Resp: 137133

Ion Ratio Lower Upper

156 100

77 122.4 70.0 210.0

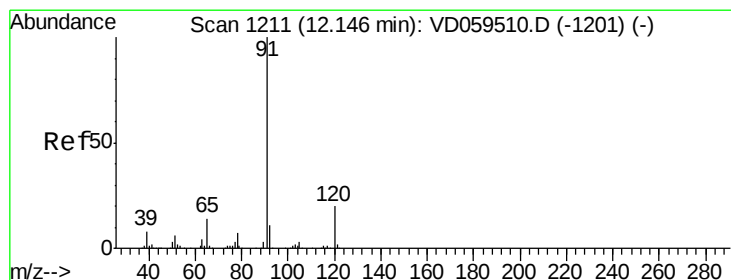
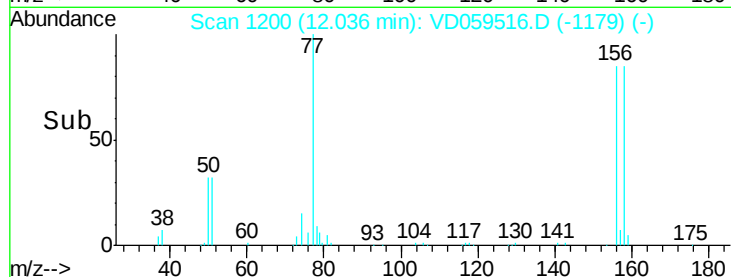
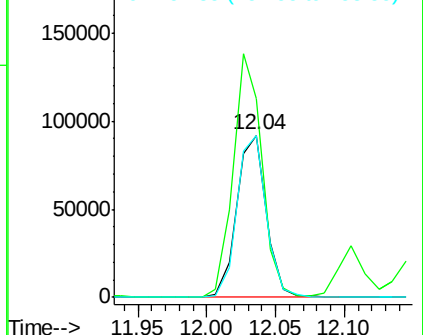
158 99.8 48.3 144.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.36 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059516.D

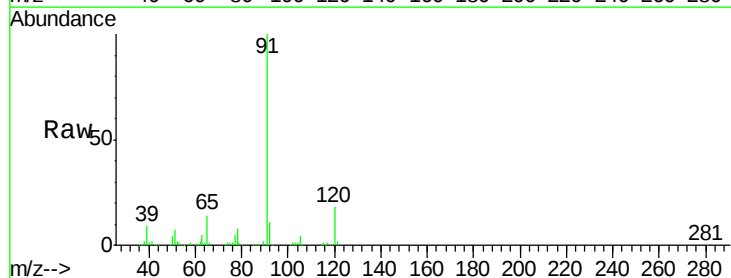
Acq: 2 Jul 2018 22:21

Tgt Ion: 91 Resp: 594197

Ion Ratio Lower Upper

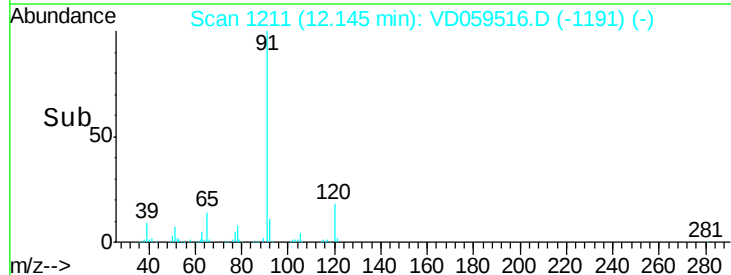
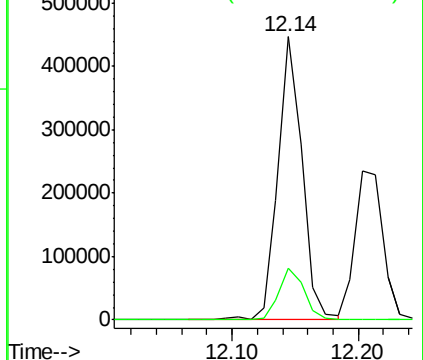
91 100

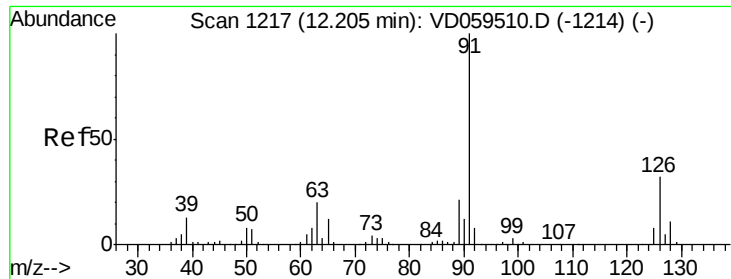
120 18.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

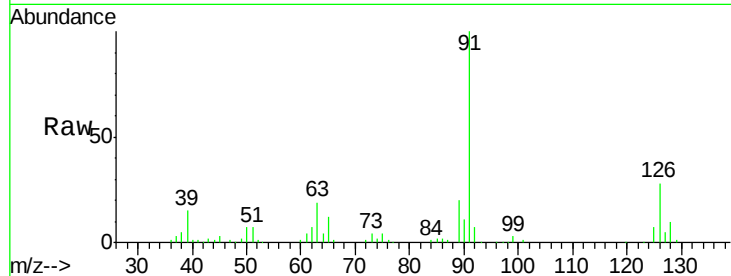




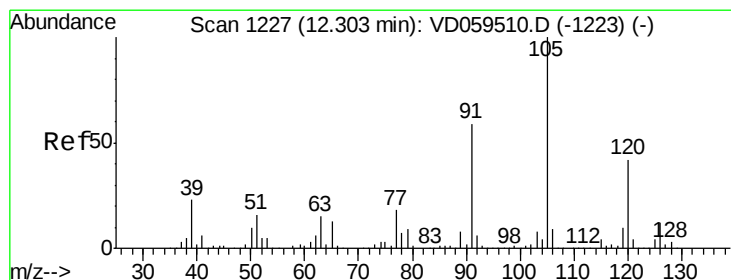
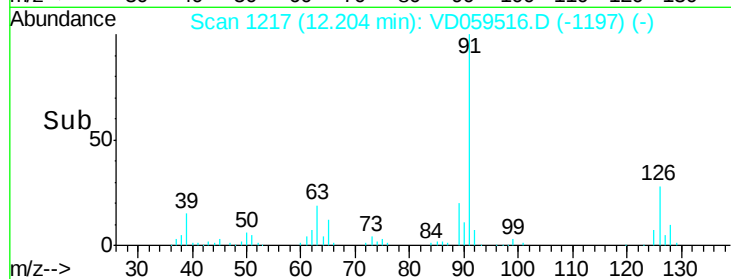
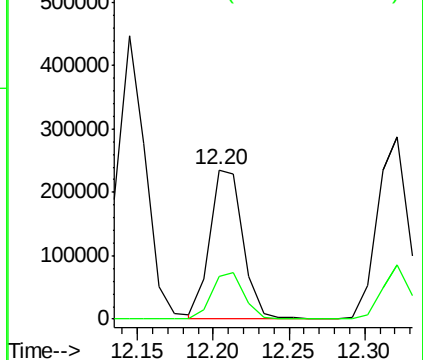
#79
 2-Chlorotoluene
 Concen: 19.92 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion: 91 Resp: 359467
 Ion Ratio Lower Upper
 91 100
 126 28.3 15.9 47.6

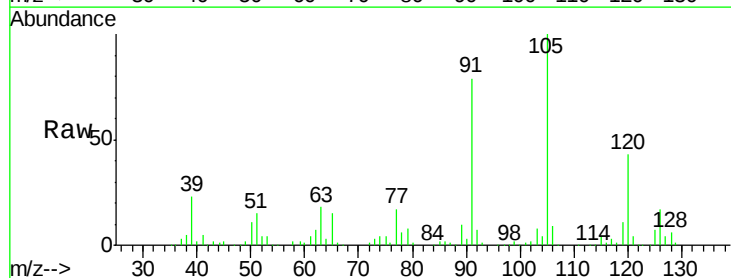


Abundance Ion 91.00 (90.70 to 91.70): VD059516.D (-1214) (-)
 Ion 125.95 (125.65 to 126.65): VD059516.D (-1214) (-)

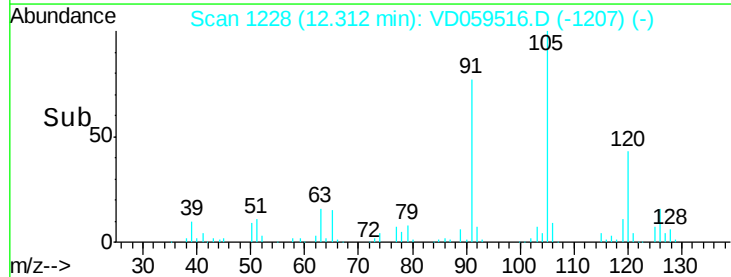
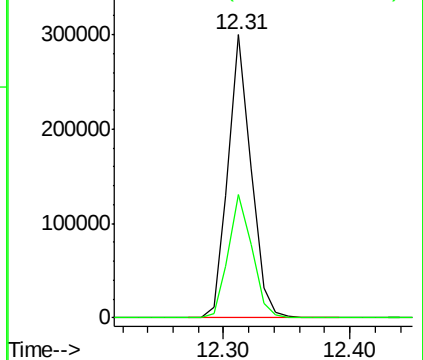


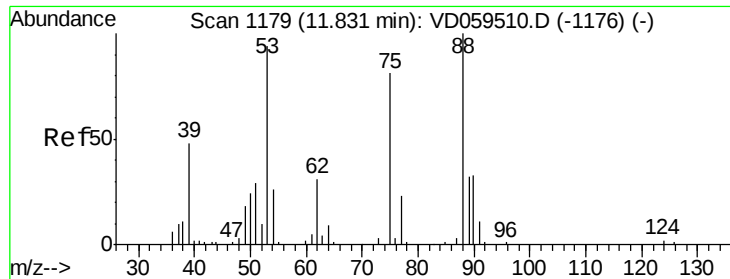
#80
 1,3,5-Trimethylbenzene
 Concen: 20.32 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 105 Resp: 378291
 Ion Ratio Lower Upper
 105 100
 120 43.4 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): VD059516.D (-1207) (-)
 Ion 120.05 (119.75 to 120.75): VD059516.D (-1207) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.26 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

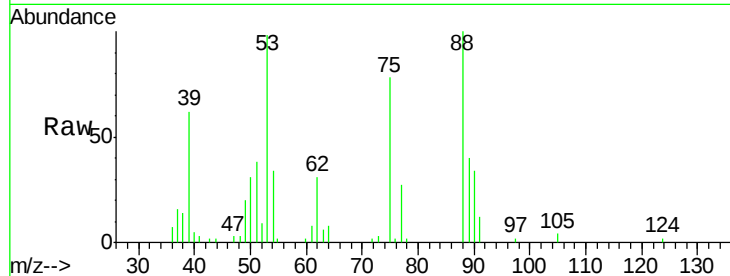
Tot Ion: 75 Resp: 24457

Ion Ratio Lower Upper

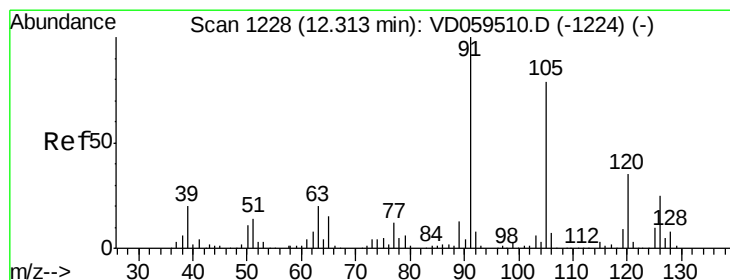
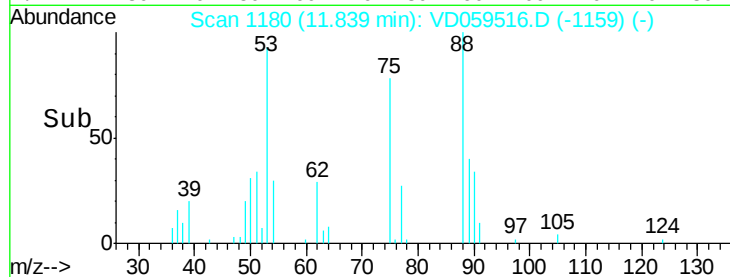
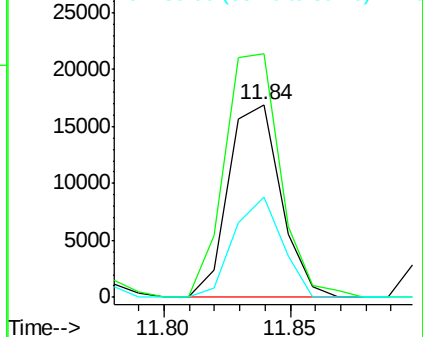
75 100

53 126.3 92.6 139.0

89 52.1 31.5 47.3#



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



#82

4-Chlorotoluene

Concen: 20.26 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD059516.D

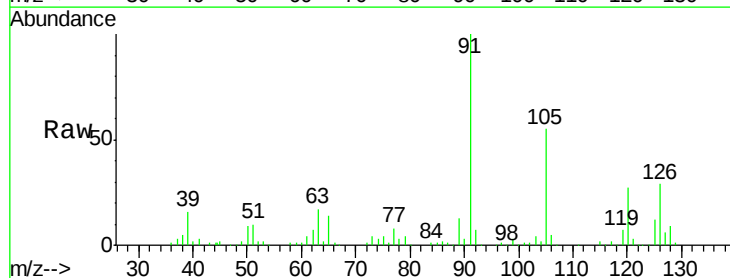
Acq: 2 Jul 2018 22:21

Tgt Ion: 91 Resp: 414448

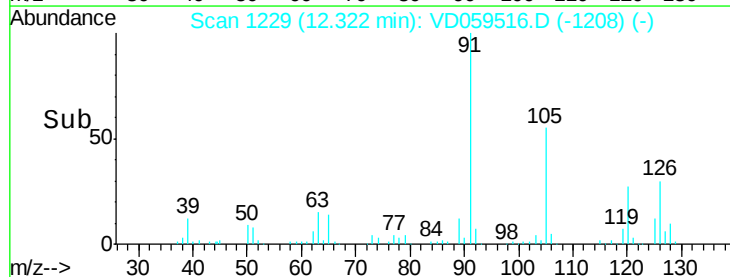
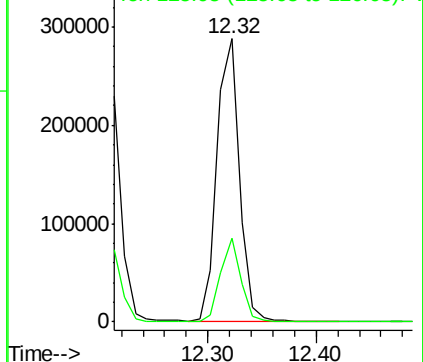
Ion Ratio Lower Upper

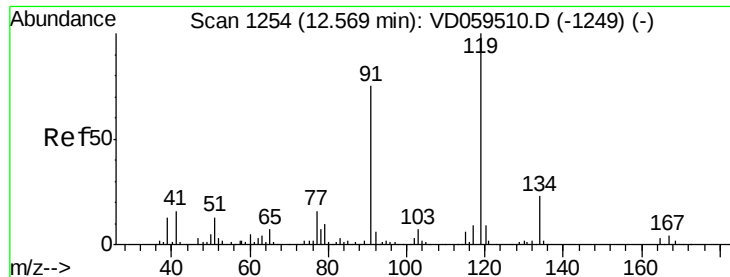
91 100

126 29.4 12.3 36.9



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

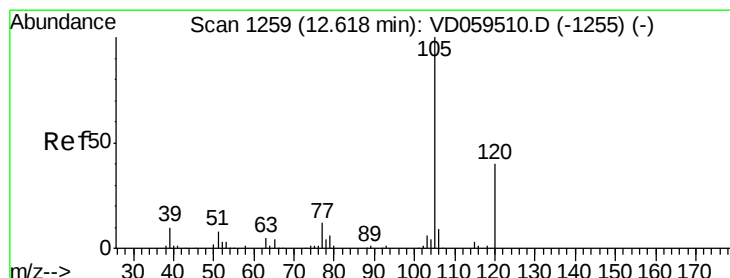
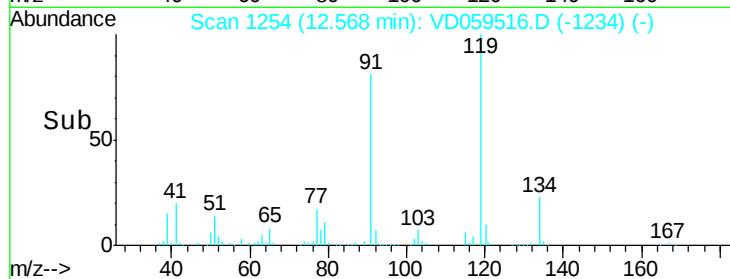
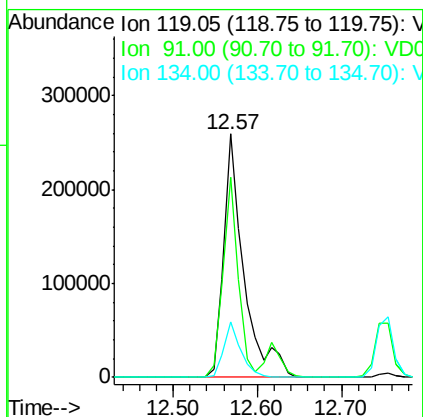
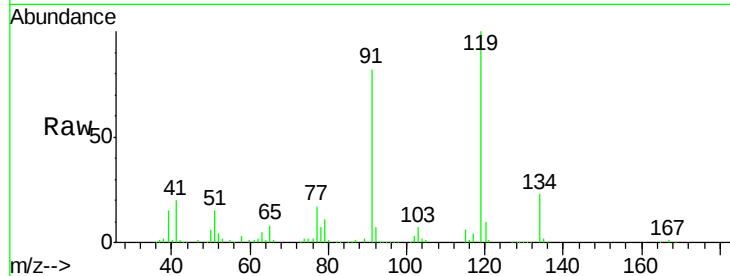




#83
 tert-Butylbenzene
 Concen: 20.50 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

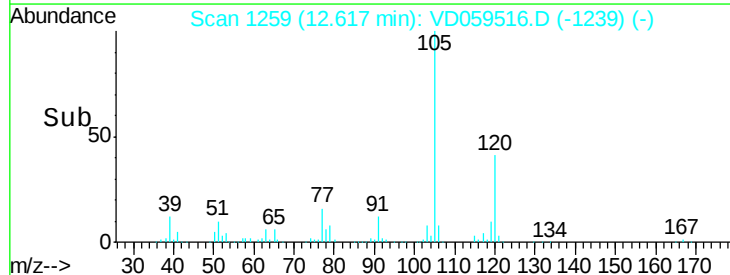
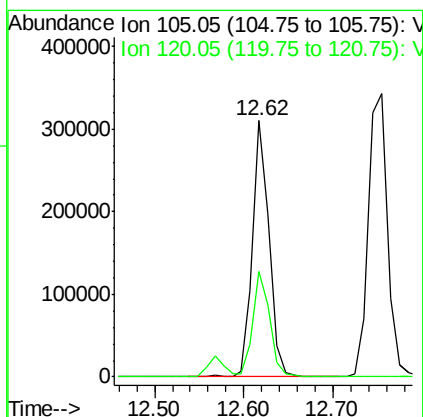
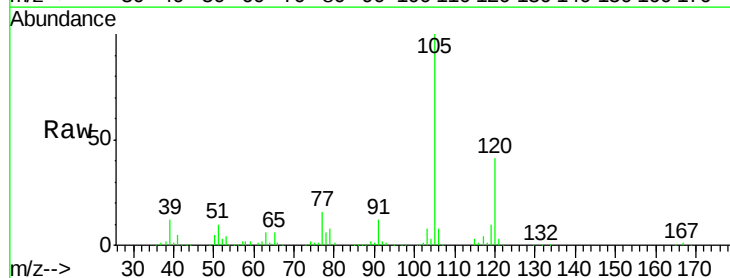
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

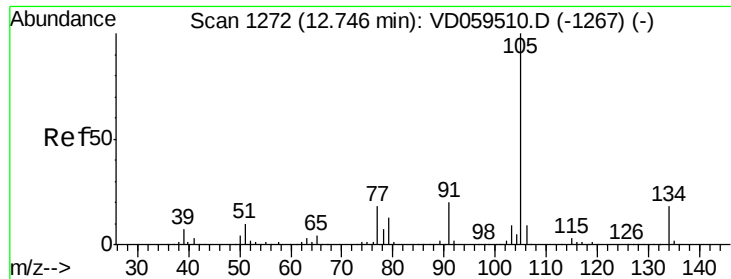
Tot Ion:119 Resp: 434225
 Ion Ratio Lower Upper
 119 100
 91 81.9 37.8 113.3
 134 22.6 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.90 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion:105 Resp: 397973
 Ion Ratio Lower Upper
 105 100
 120 41.3 21.1 63.3





#85

sec-Butylbenzene

Concen: 20.67 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

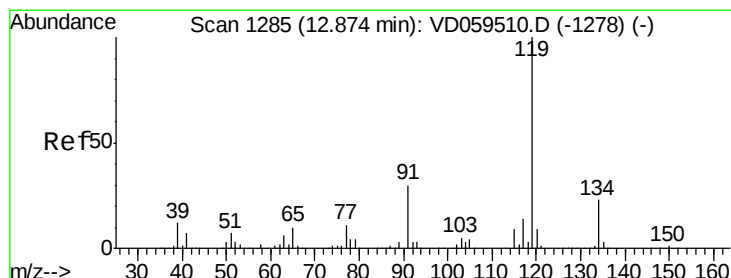
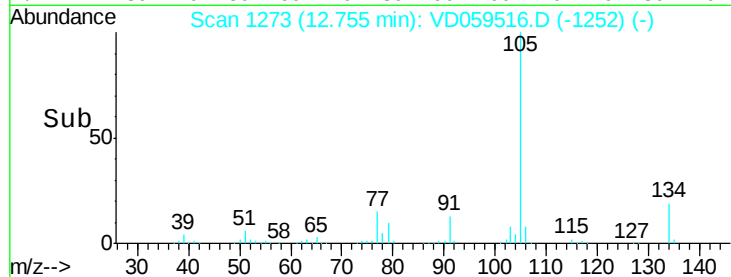
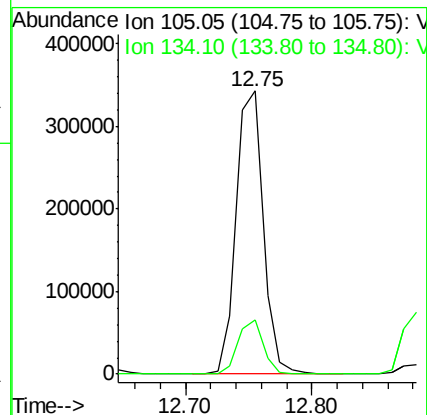
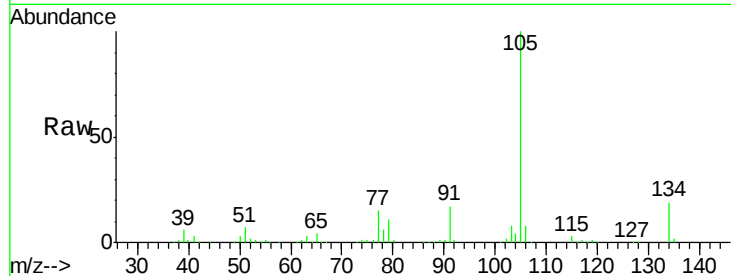
VD0702SBS01

Tot Ion:105 Resp: 502336

Ion Ratio Lower Upper

105 100

134 19.0 8.8 26.4



#86

p-Isopropyltoluene

Concen: 19.98 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

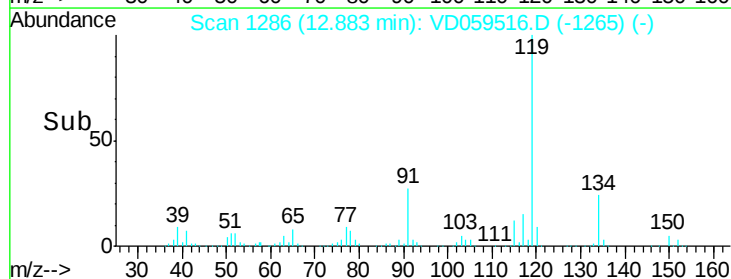
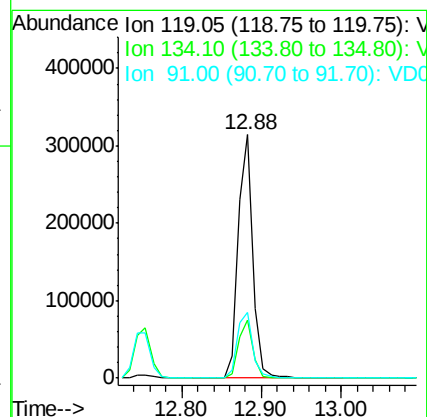
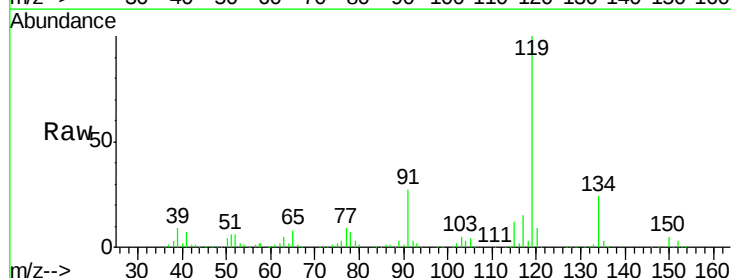
Tgt Ion:119 Resp: 407387

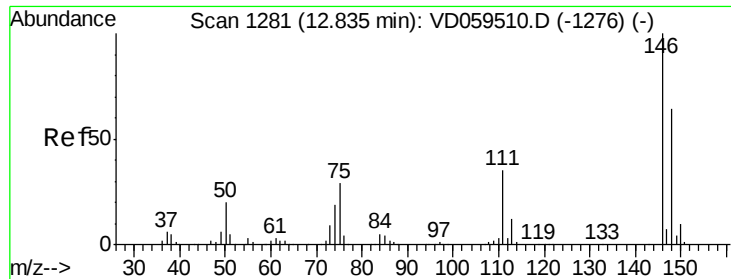
Ion Ratio Lower Upper

119 100

134 23.9 11.6 34.8

91 27.2 15.3 45.8

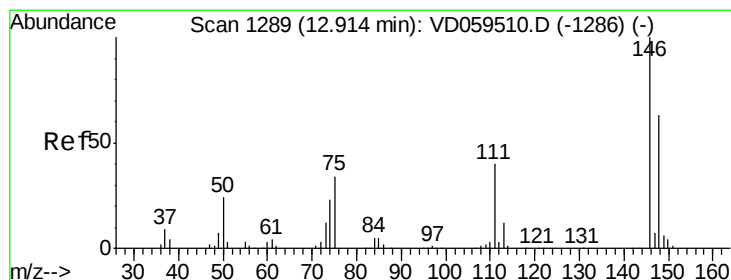
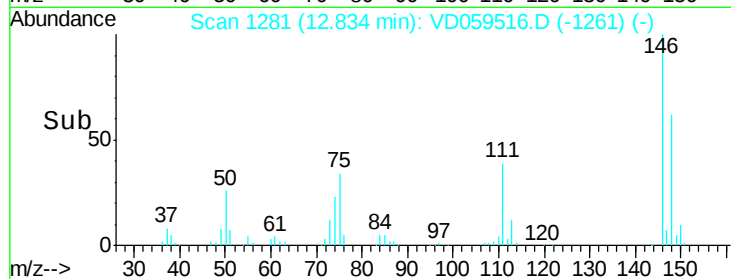
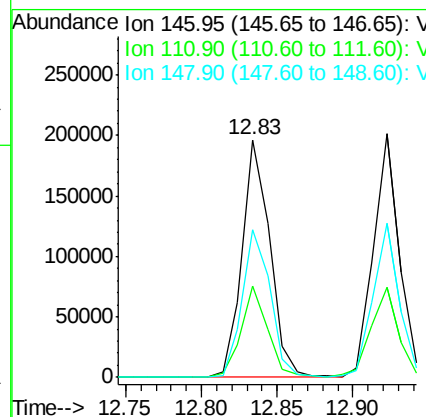
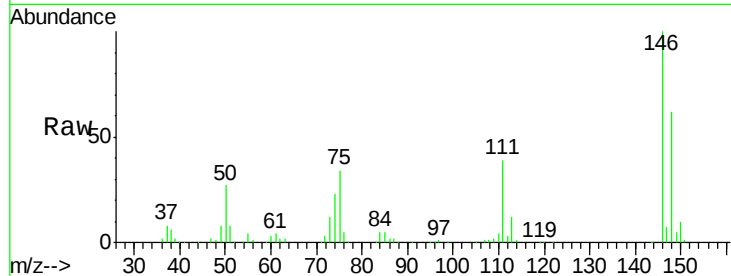




#87
 1,3-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

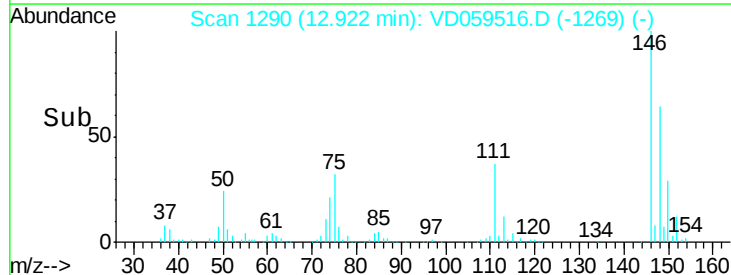
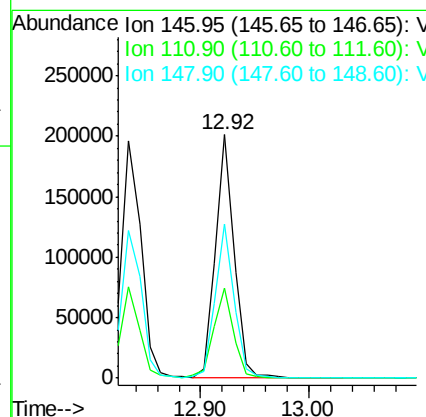
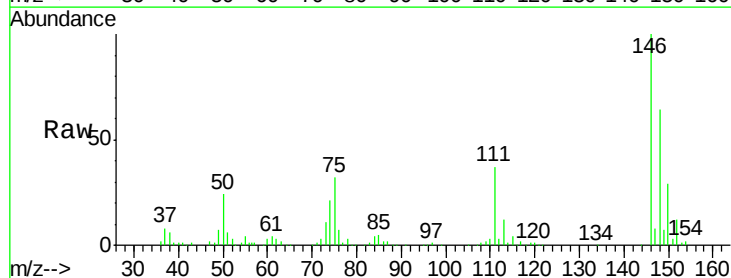
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

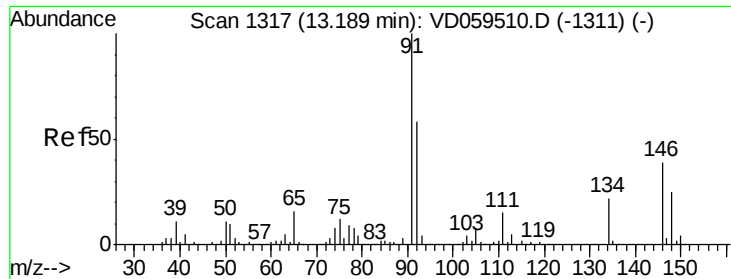
Tot Ion:146 Resp: 249838
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.6 52.9
 148 62.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion:146 Resp: 244650
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.0 59.9
 148 63.5 31.7 95.1





#89

n-Butylbenzene

Concen: 21.33 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059516.D

Acq: 2 Jul 2018 22:21

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

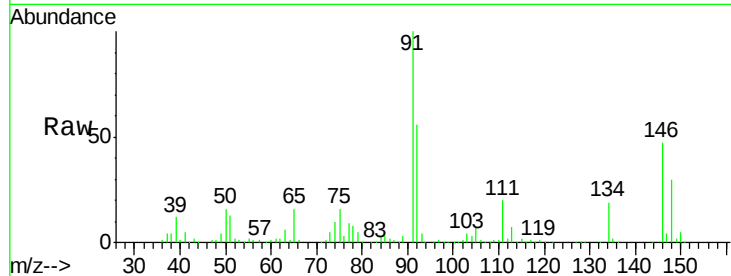
Tot Ion: 91 Resp: 443548

Ion Ratio Lower Upper

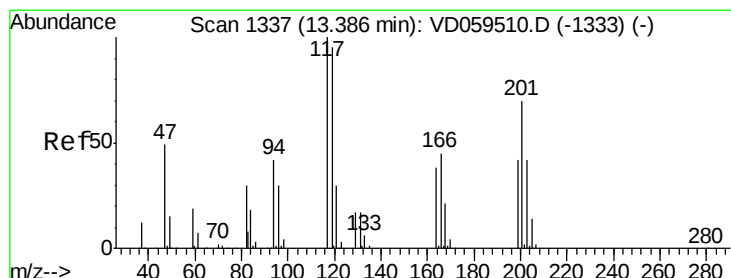
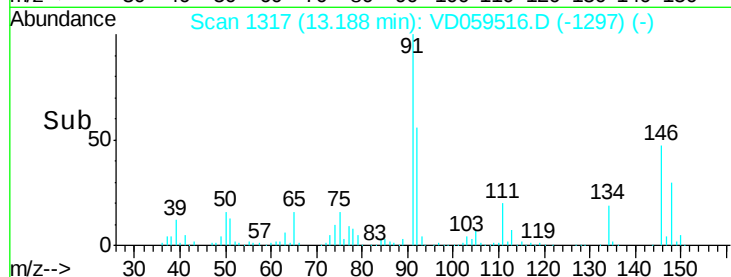
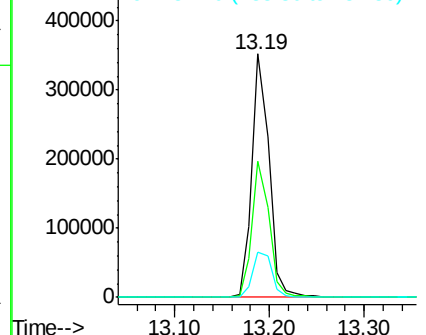
91 100

92 55.9 28.9 86.7

134 18.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.29 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VD059516.D

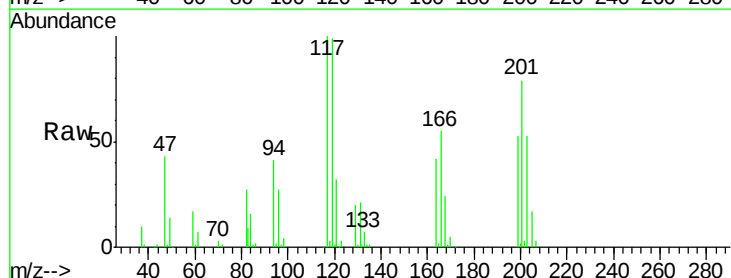
Acq: 2 Jul 2018 22:21

Tgt Ion: 117 Resp: 101906

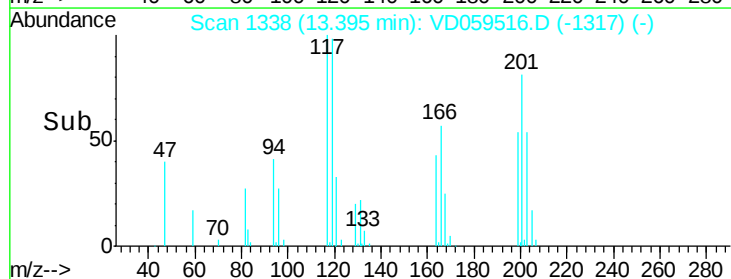
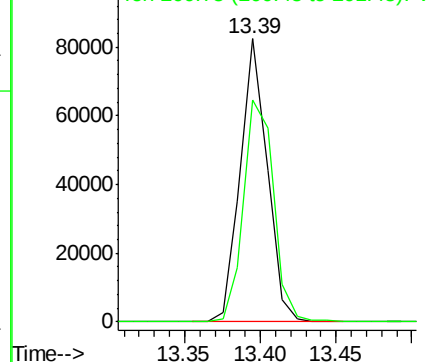
Ion Ratio Lower Upper

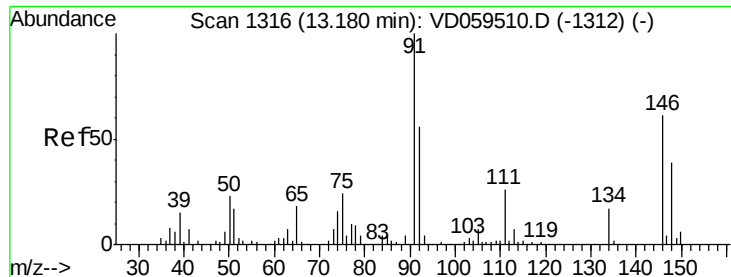
117 100

201 78.6 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

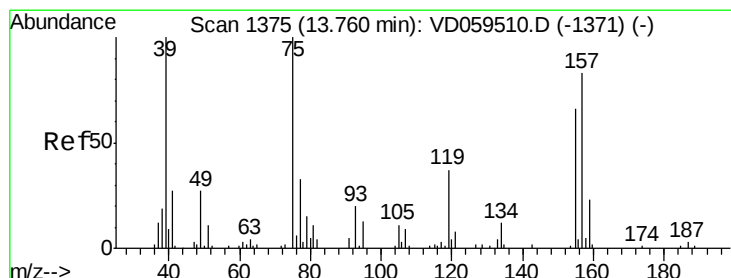
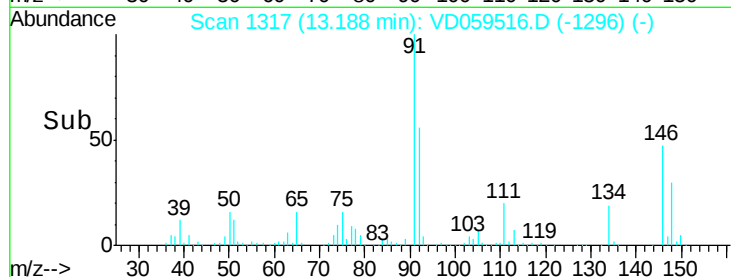
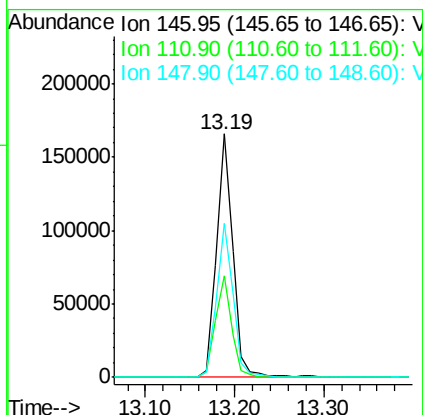
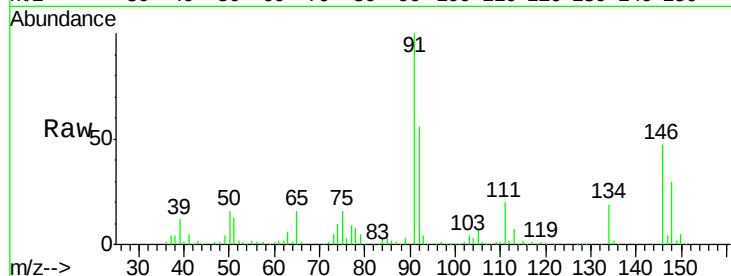




#91
 1,2-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

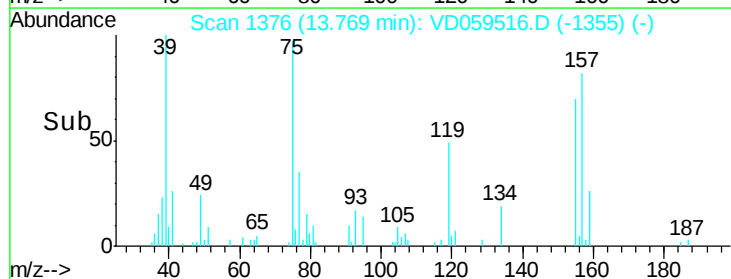
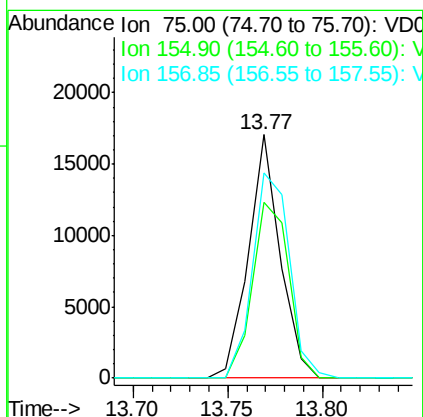
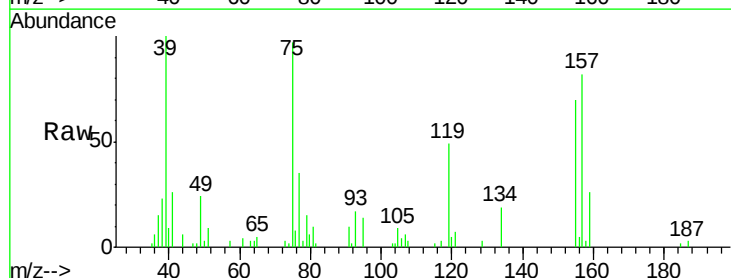
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

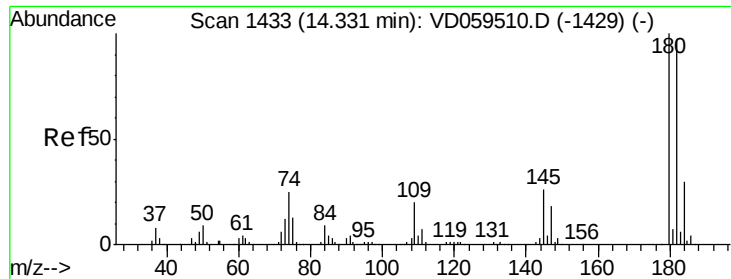
Tot Ion:146 Resp: 211875
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.3 63.9
 148 63.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.33 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion: 75 Resp: 19772
 Ion Ratio Lower Upper
 75 100
 155 72.2 32.8 98.4
 157 84.4 41.5 124.5

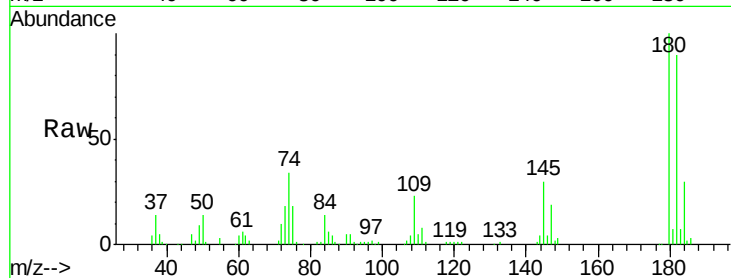




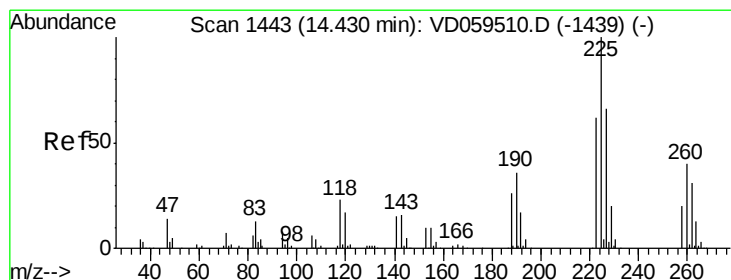
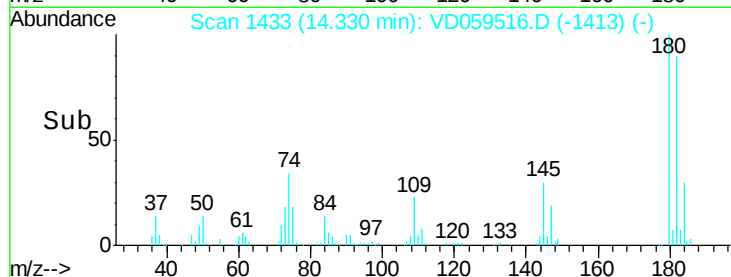
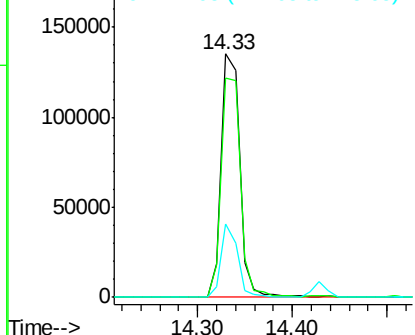
#93
 1,2,4-Trichlorobenzene
 Concen: 20.09 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Tot Ion:180 Resp: 184428
 Ion Ratio Lower Upper
 180 100
 182 89.9 48.7 146.1
 145 30.2 13.2 39.6

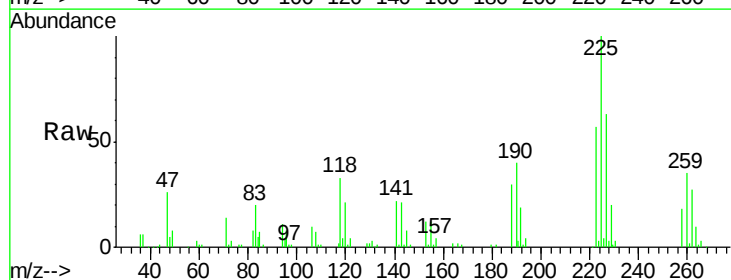


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

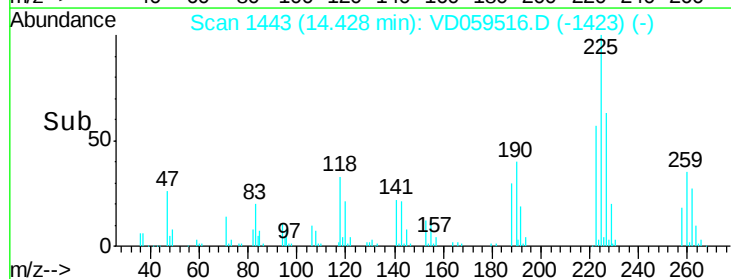
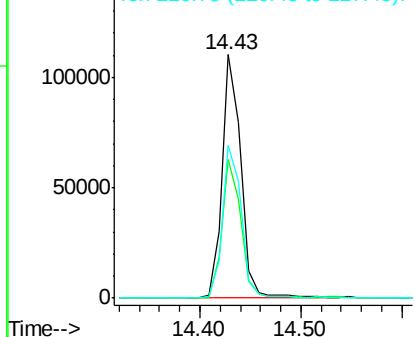


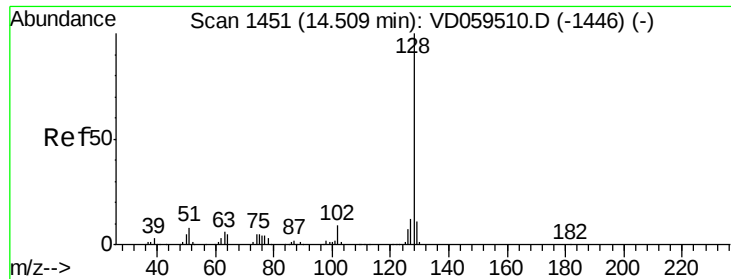
#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059516.D
 Acq: 2 Jul 2018 22:21

Tgt Ion:225 Resp: 143417
 Ion Ratio Lower Upper
 225 100
 223 56.8 31.0 93.0
 227 62.9 33.1 99.5



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

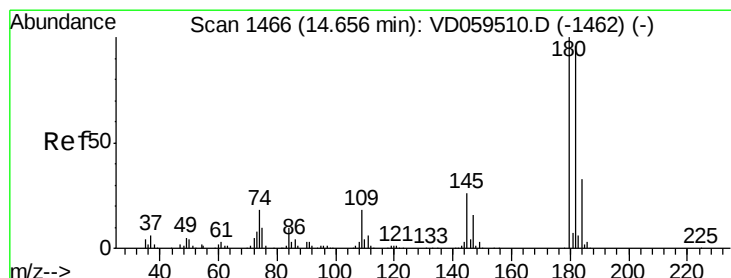
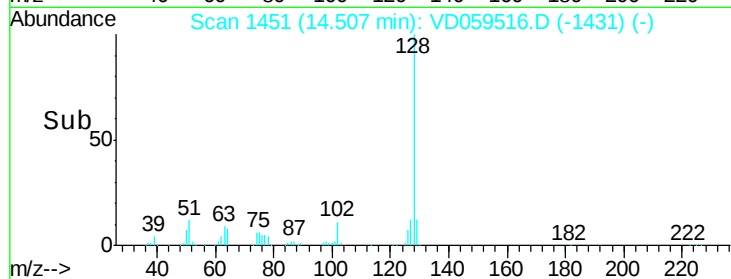
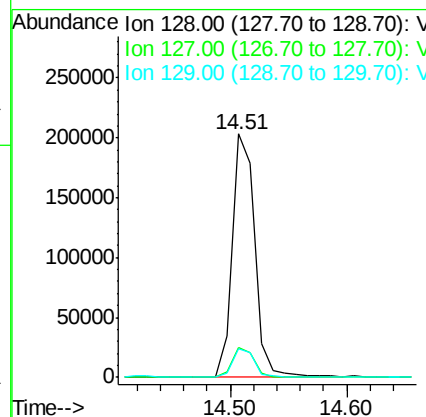
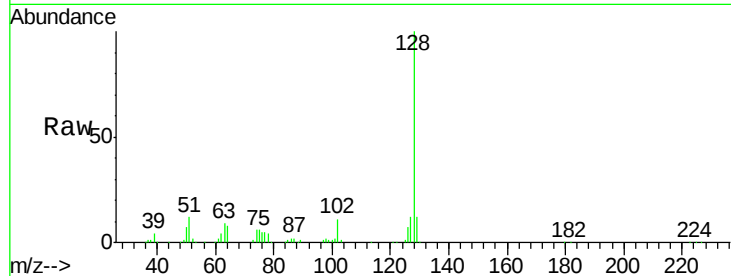




#95
Naphthalene
Concen: 19.91 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion:128 Resp: 271815
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.28 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059516.D
Acq: 2 Jul 2018 22:21

Tgt Ion:180 Resp: 163669
Ion Ratio Lower Upper
180 100
182 92.7 48.1 144.4
145 27.8 13.2 39.6

