

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059510.D
 Acq On : 2 Jul 2018 18:32
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 03 00:54:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	567497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	832200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	684872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	330050	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	418895	67.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.68%	
35) Dibromofluoromethane	5.51	113	378056	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	8.68	98	900129	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
62) 4-Bromofluorobenzene	11.92	95	363209	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	426723	75.12	ug/l	100
3) Chloromethane	1.46	50	186661	65.59	ug/l	100
4) Vinyl Chloride	1.52	62	202745	68.42	ug/l	100
5) Bromomethane	1.77	94	78541	69.03	ug/l	100
6) Chloroethane	1.86	64	100413	80.26	ug/l	100
7) Trichlorofluoromethane	2.06	101	323274	74.61	ug/l	100
8) Diethyl Ether	2.31	74	60315	63.94	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	194643	72.50	ug/l	100
10) Methyl Iodide	2.66	142	223595	72.64	ug/l	100
11) Tert butyl alcohol	3.23	59	61818	298.81	ug/l	100
12) 1,1-Dichloroethene	2.51	96	151734	73.08	ug/l	100
13) Acrolein	2.44	56	27802	163.64	ug/l	100
14) Allyl chloride	2.88	41	327112	69.83	ug/l	100
15) Acrylonitrile	3.33	53	186164	291.90	ug/l	100
16) Acetone	2.59	43	268037	337.74	ug/l	100
17) Carbon Disulfide	2.72	76	505649	77.93	ug/l	100
18) Methyl Acetate	2.90	43	105179	54.85	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	369485	41.35	ug/l	100
20) Methylene Chloride	3.03	84	165806	65.63	ug/l	100
21) trans-1,2-Dichloroethene	3.35	96	166840	50.27	ug/l	100
22) Diisopropyl ether	4.03	45	1180133	67.71	ug/l	100
23) Vinyl Acetate	3.98	43	3416984	369.25	ug/l	100
24) 1,1-Dichloroethane	3.93	63	673172	67.20	ug/l	100
25) 2-Butanone	4.80	43	541893	328.28	ug/l	100
26) 2,2-Dichloropropane	4.76	77	542681	69.46	ug/l	100
27) cis-1,2-Dichloroethene	4.76	96	359188	60.73	ug/l	100
28) Bromochloromethane	5.11	49	226943	55.76	ug/l	100
29) Tetrahydrofuran	5.15	42	287810	322.22	ug/l	100
30) Chloroform	5.28	83	703920	65.29	ug/l	100
31) Cyclohexane	5.56	56	465124	61.48	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	565202	65.23	ug/l	100
36) 1,1-Dichloropropene	5.71	75	476402	59.89	ug/l	100
37) Ethyl Acetate	4.89	43	262511	55.47	ug/l	100
38) Carbon Tetrachloride	5.69	117	486498	59.49	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059510.D
 Acq On : 2 Jul 2018 18:32
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 03 00:54:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	458391	60.65	ug/l	100
40) Benzene	5.98	78	1153147	60.49	ug/l	100
41) Methacrylonitrile	5.09	41	139621	60.63	ug/l	100
42) 1,2-Dichloroethane	6.09	62	497257	59.45	ug/l	100
43) Isopropyl Acetate	7.59	43	356600	59.21	ug/l	100
44) Trichloroethene	6.95	130	349451	56.52	ug/l	100
45) 1,2-Dichloropropane	7.32	63	304487	57.97	ug/l	100
46) Dibromomethane	7.43	93	209381	56.29	ug/l	100
47) Bromodichloromethane	7.72	83	507702	60.65	ug/l	100
48) Methyl methacrylate	7.48	41	221272	59.77	ug/l	100
49) 1,4-Dioxane	7.47	88	43266	1174.99	ug/l	100
51) 4-Methyl-2-Pentanone	8.57	43	1148787	287.58	ug/l	100
52) Toluene	8.78	92	632492	56.28	ug/l	100
53) t-1,3-Dichloropropene	9.16	75	452167	63.37	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	520803	62.99	ug/l	100
55) 1,1,2-Trichloroethane	9.43	97	220031	54.62	ug/l	100
56) Ethyl methacrylate	9.29	69	283290	60.50	ug/l	100
57) 1,3-Dichloropropane	9.65	76	401352	59.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.16	63	707950	294.07	ug/l	100
59) 2-Hexanone	9.76	43	821731	290.60	ug/l	100
60) Dibromochloromethane	9.94	129	332109	58.39	ug/l	100
61) 1,2-Dibromoethane	10.07	107	256414	56.63	ug/l	100
64) Tetrachloroethene	9.49	164	315532	51.53	ug/l	100
65) Chlorobenzene	10.71	112	695877	54.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	271924	55.86	ug/l	100
67) Ethyl Benzene	10.85	91	1179312	54.61	ug/l	100
68) m/p-Xylenes	10.99	106	778990	108.01	ug/l	100
69) o-Xylene	11.39	106	392555	55.32	ug/l	100
70) Styrene	11.42	104	644275	53.42	ug/l	100
71) Bromoform	11.58	173	230836	57.01	ug/l	100
73) Isopropylbenzene	11.76	105	1101389	57.19	ug/l	100
74) N-amyl acetate	11.63	43	473404	63.23	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	285646	62.01	ug/l	100
76) 1,2,3-Trichloropropane	12.10	75	293548	61.49	ug/l	100
77) Bromobenzene	12.03	156	340906	56.48	ug/l	100
78) n-propylbenzene	12.15	91	1475919	59.74	ug/l	100
79) 2-Chlorotoluene	12.20	91	846040	58.68	ug/l	100
80) 1,3,5-Trimethylbenzene	12.30	105	886660	57.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	78438	70.59	ug/l	100
82) 4-Chlorotoluene	12.31	91	954905	57.89	ug/l	100
83) tert-Butylbenzene	12.57	119	1044876	62.87	ug/l	100
84) 1,2,4-Trimethylbenzene	12.62	105	952051	58.47	ug/l	100
85) sec-Butylbenzene	12.75	105	1096081	55.43	ug/l	100
86) p-Isopropyltoluene	12.87	119	968621	59.48	ug/l	100
87) 1,3-Dichlorobenzene	12.83	146	589364	58.63	ug/l	100
88) 1,4-Dichlorobenzene	12.91	146	570066	57.62	ug/l	100
89) n-Butylbenzene	13.19	91	972012	59.85	ug/l	100
90) Hexachloroethane	13.39	117	265069	64.83	ug/l	100
91) 1,2-Dichlorobenzene	13.18	146	480089	56.33	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.76	75	48635	64.29	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
Data File : VD059510.D
Acq On : 2 Jul 2018 18:32
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Jul 03 00:54:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 00:52:31 2018
Response via : Initial Calibration

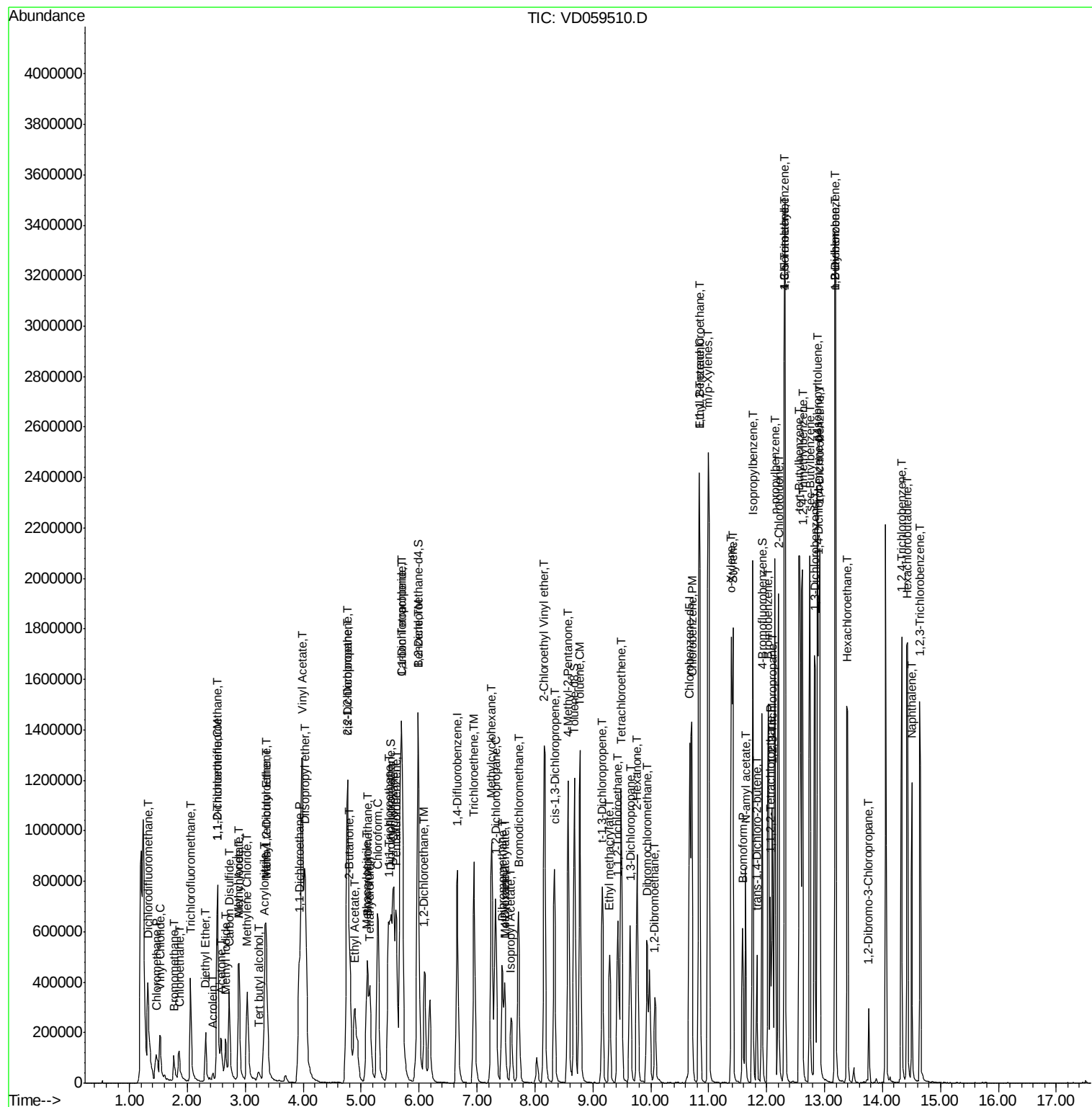
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	421416	54.43	ug/l	100
94) Hexachlorobutadiene	14.43	225	337179	57.81	ug/l	100
95) Naphthalene	14.51	128	665317	60.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	391985	56.20	ug/l	100

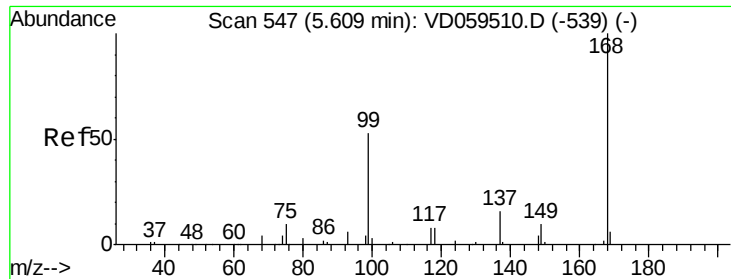
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
Data File : VD059510.D
Acq On : 2 Jul 2018 18:32
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

Quant Time: Jul 03 00:54:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 00:52:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

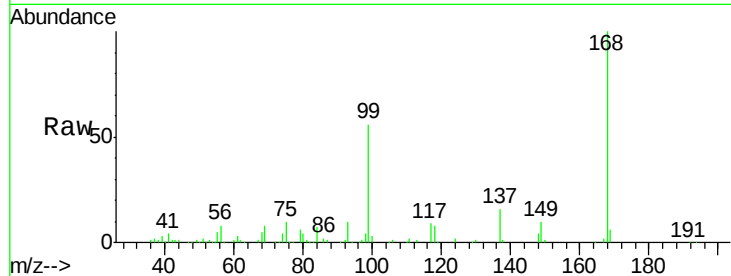
VSTDICCC050

Tot Ion:168 Resp: 567497

Ion Ratio Lower Upper

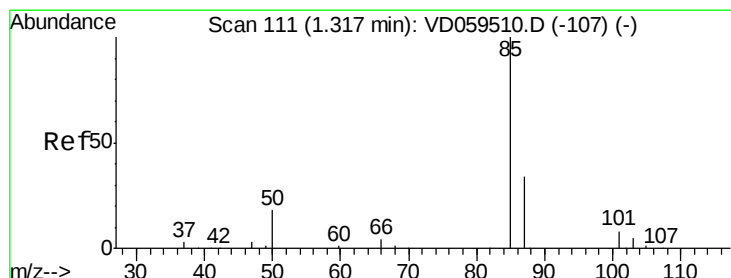
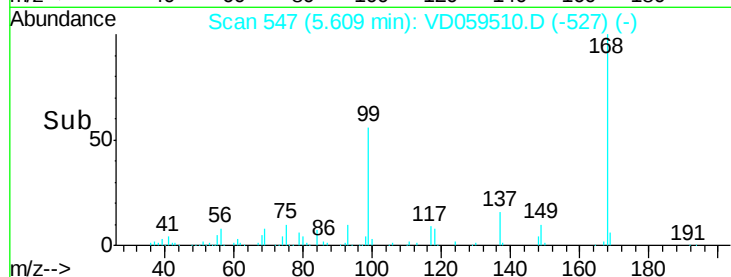
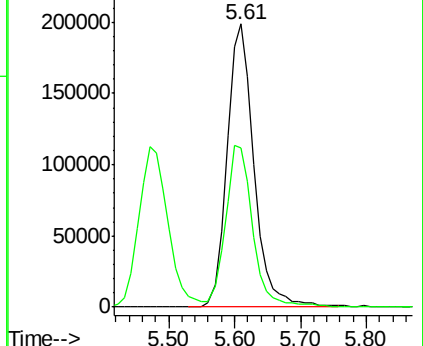
168 100

99 56.4 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: 75.12 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.00 min

Lab File: VD059510.D

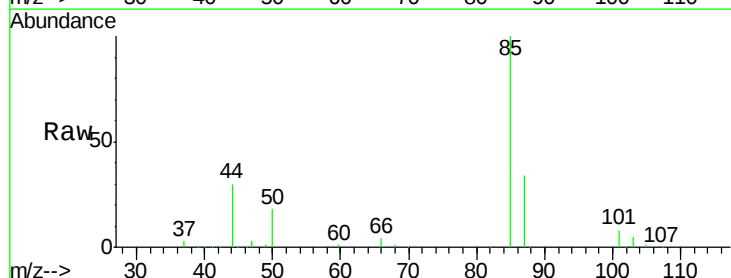
Acq: 2 Jul 2018 18:32

Tgt Ion: 85 Resp: 426723

Ion Ratio Lower Upper

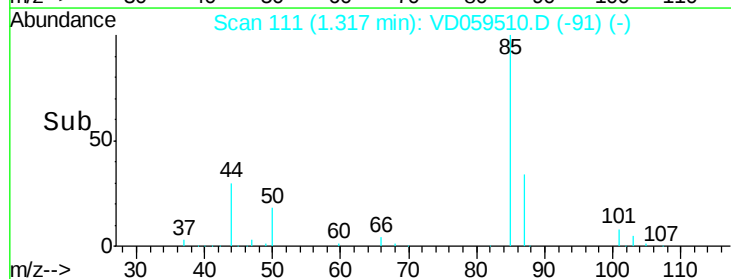
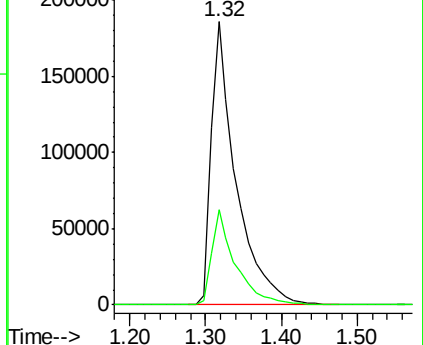
85 100

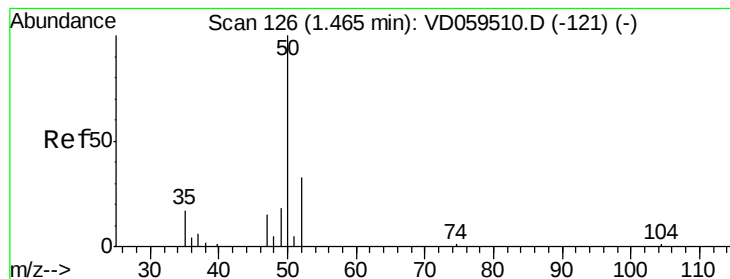
87 33.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 65.59 ug/l

RT: 1.46 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

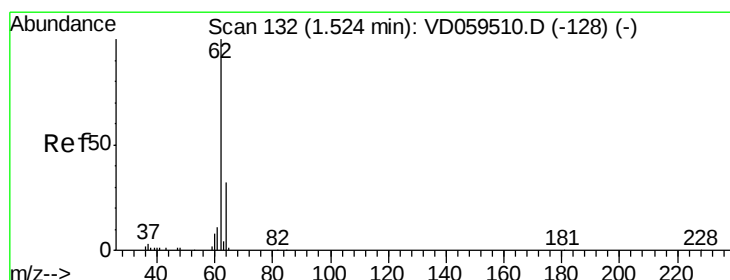
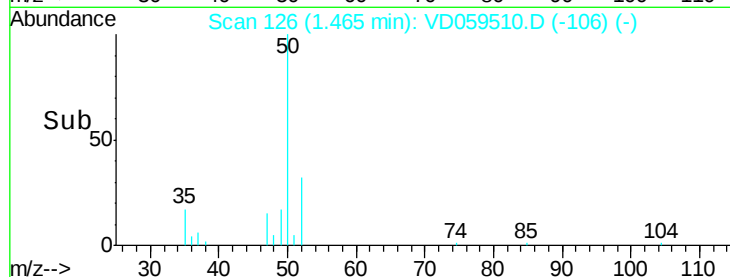
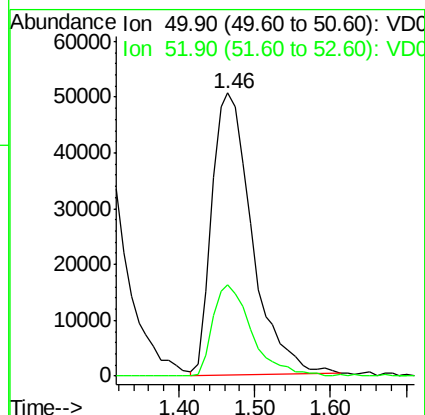
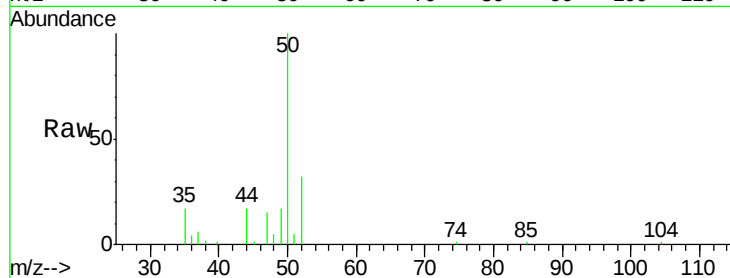
VSTDICCC050

Tot Ion: 50 Resp: 186661

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 68.42 ug/l

RT: 1.52 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059510.D

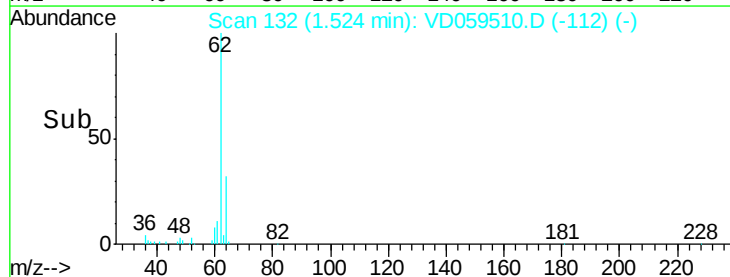
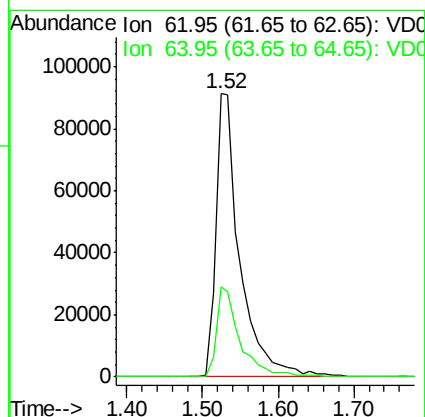
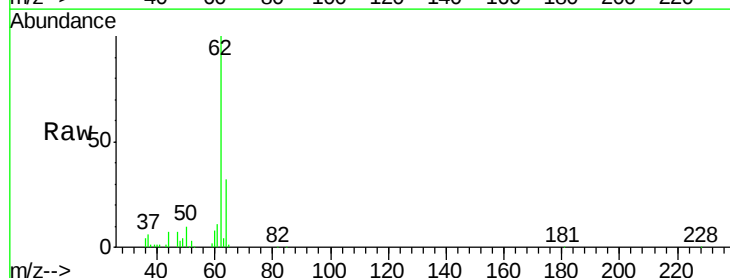
Acq: 2 Jul 2018 18:32

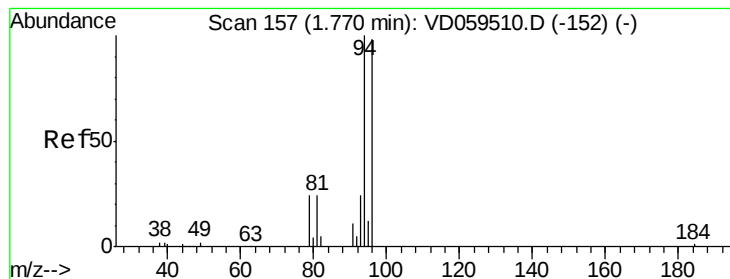
Tgt Ion: 62 Resp: 202745

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 69.03 ug/l

RT: 1.77 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

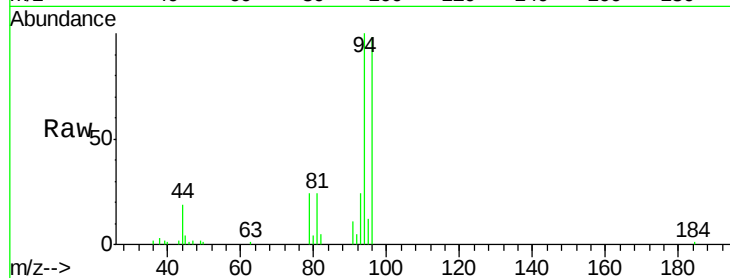
VSTDICCC050

Tot Ion: 94 Resp: 78541

Ion Ratio Lower Upper

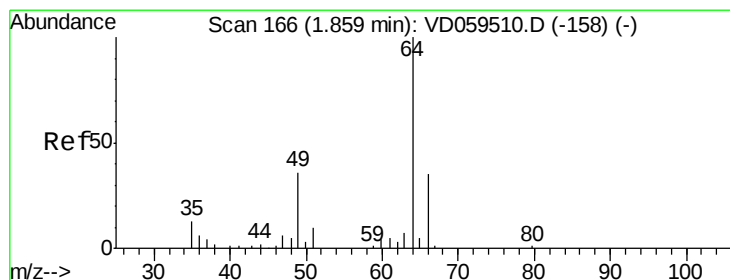
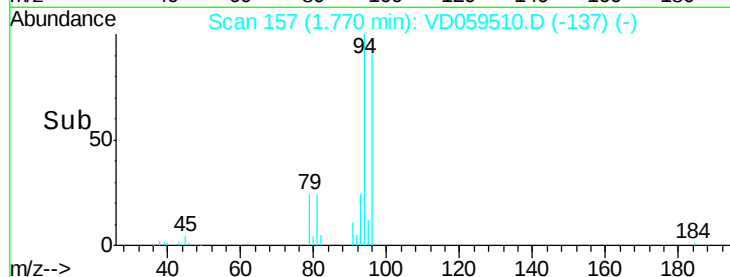
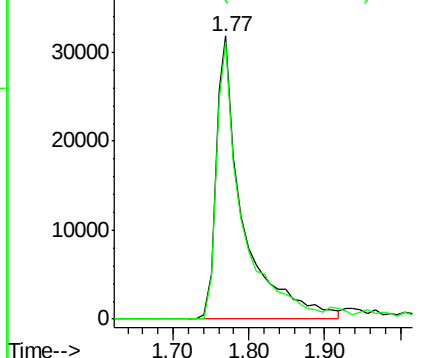
94 100

96 97.8 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.26 ug/l

RT: 1.86 min Scan# 166

Delta R.T. 0.00 min

Lab File: VD059510.D

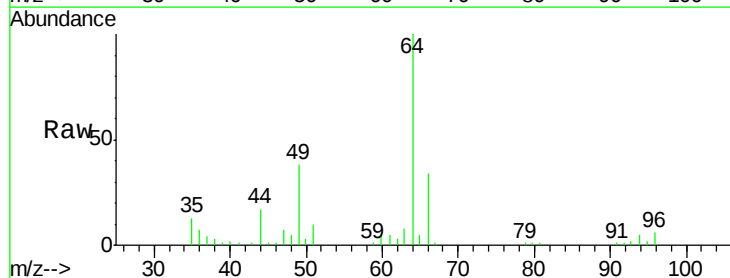
Acq: 2 Jul 2018 18:32

Tgt Ion: 64 Resp: 100413

Ion Ratio Lower Upper

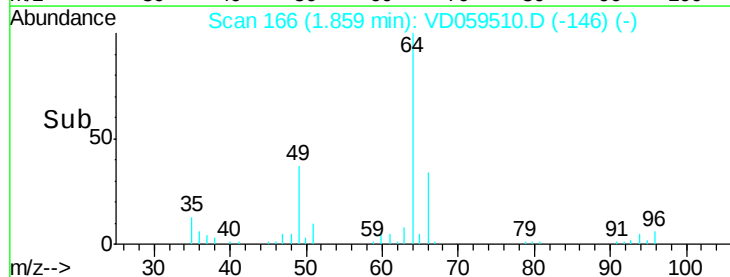
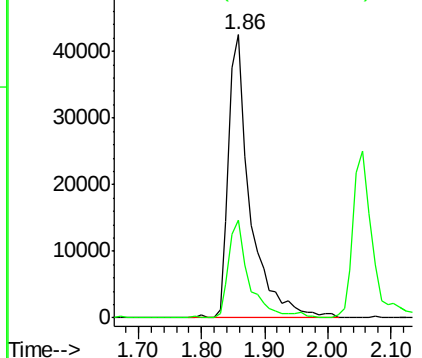
64 100

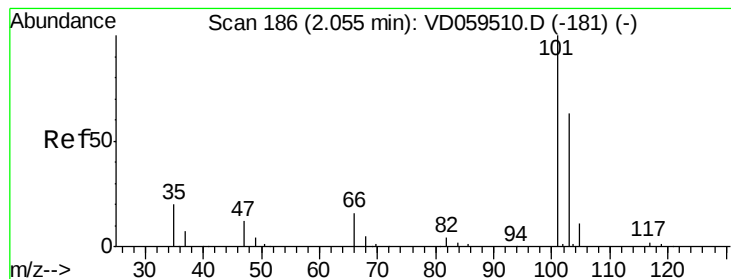
66 34.5 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



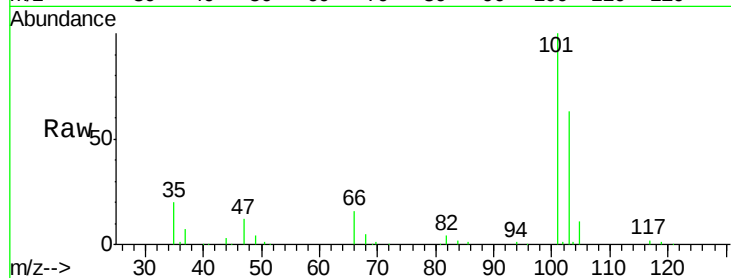


#7

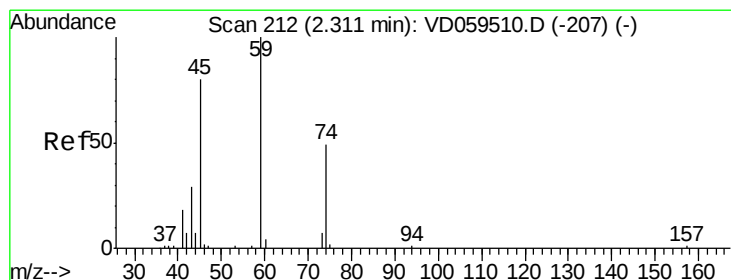
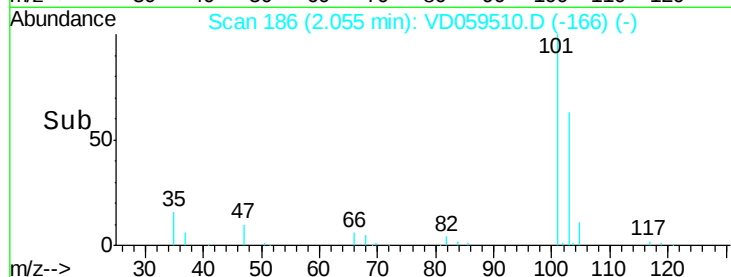
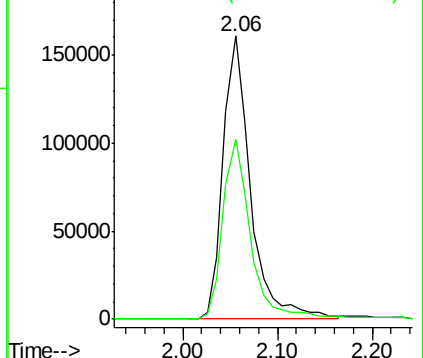
Trichlorofluoromethane
 Concen: 74.61 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 323274
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.6 76.0



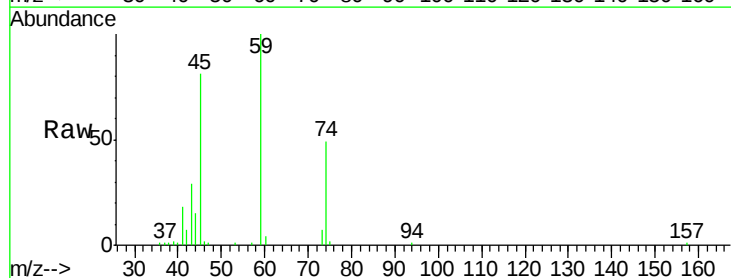
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



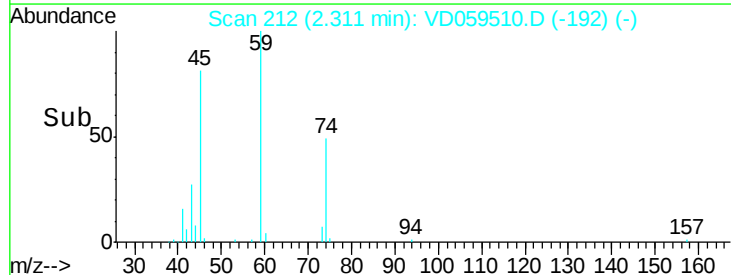
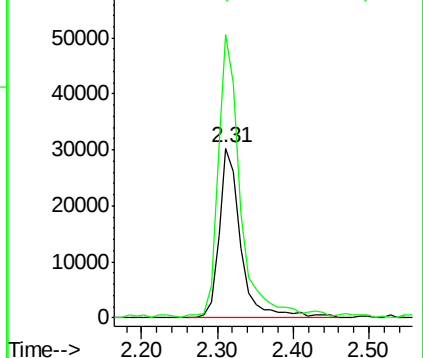
#8

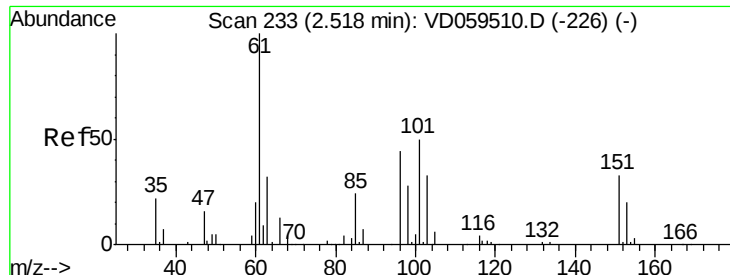
Diethyl Ether
 Concen: 63.94 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 74 Resp: 60315
 Ion Ratio Lower Upper
 74 100
 45 166.9 83.5 250.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.50 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

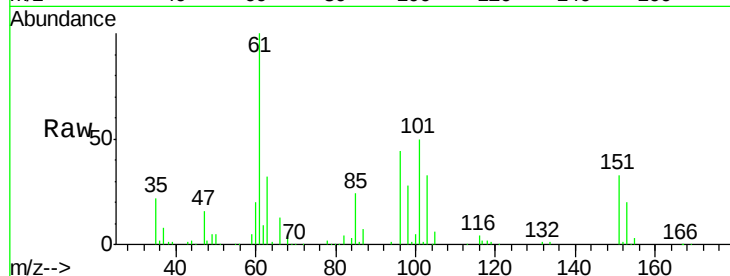
Tot Ion:101 Resp: 194643

Ion Ratio Lower Upper

101 100

85 48.5 38.8 58.2

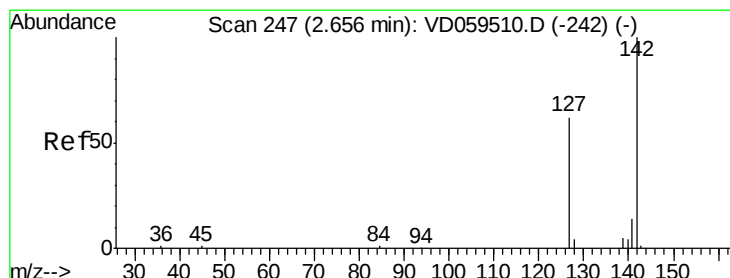
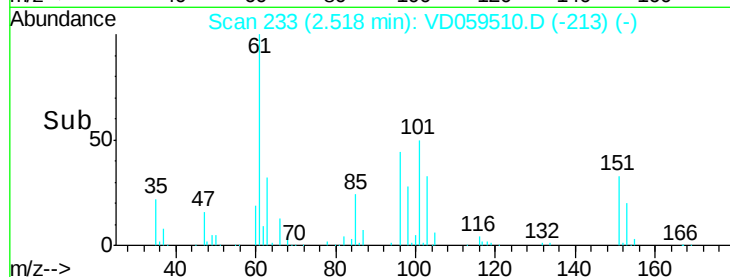
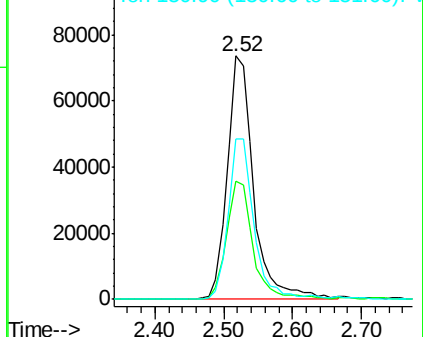
151 65.8 52.6 79.0



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: 72.64 ug/l

RT: 2.66 min Scan# 247

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

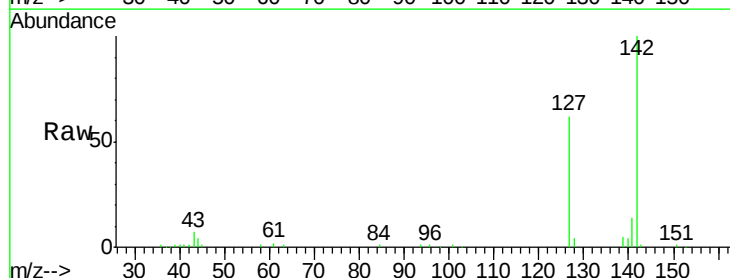
Tgt Ion:142 Resp: 223595

Ion Ratio Lower Upper

142 100

127 62.3 49.8 74.8

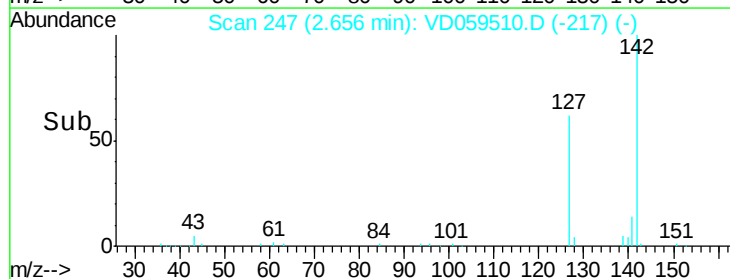
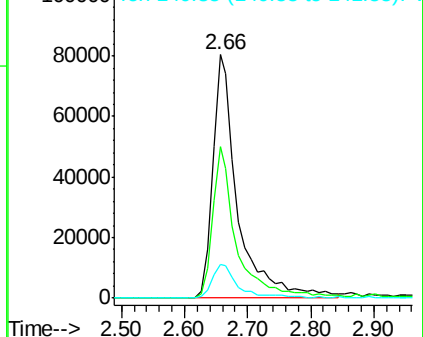
141 13.9 11.1 16.7

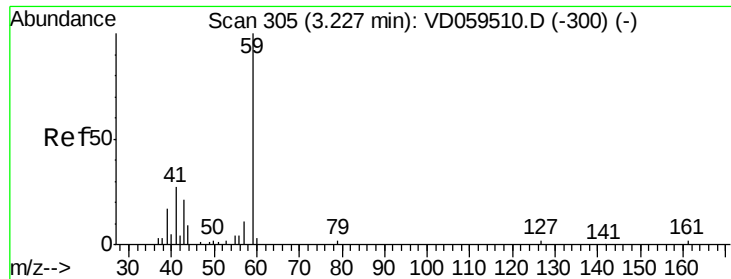


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

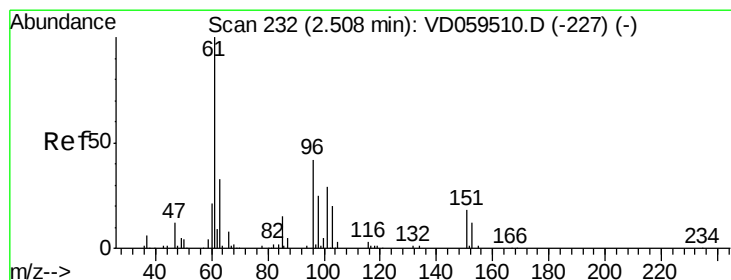
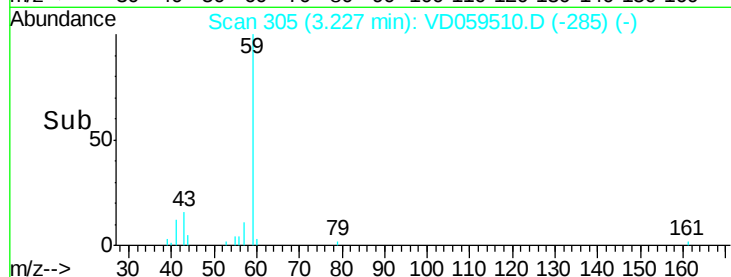
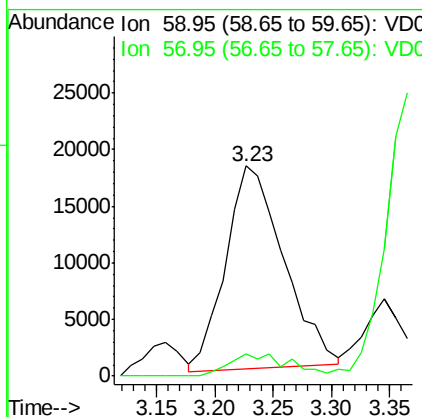
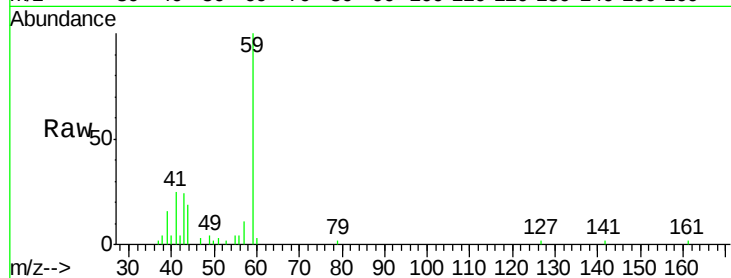




#11
Tert butyl alcohol
Concen: 298.81 ug/l
RT: 3.23 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

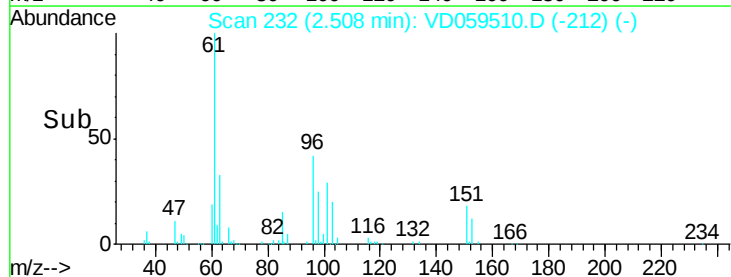
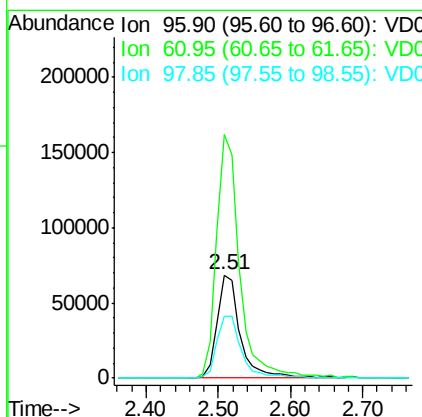
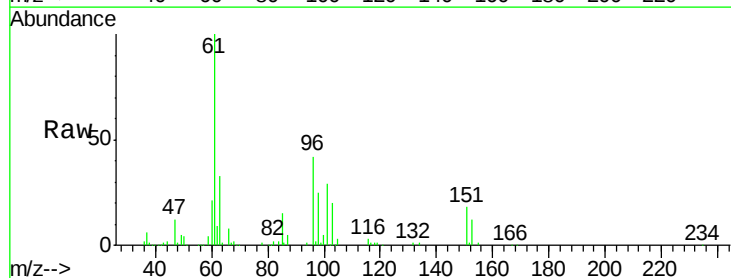
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

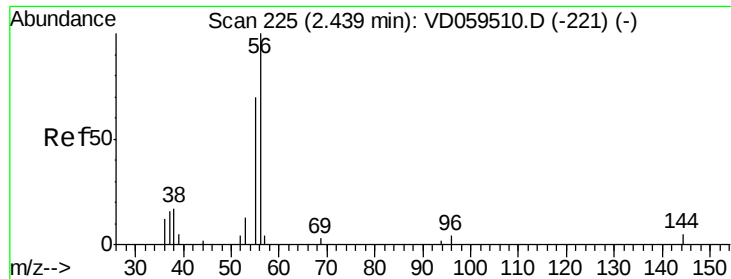
Tot Ion: 59 Resp: 61818
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8



#12
1,1-Dichloroethene
Concen: 73.08 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 96 Resp: 151734
Ion Ratio Lower Upper
96 100
61 236.7 189.4 284.0
98 59.9 47.9 71.9





#13

Acrolein

Concen: 163.64 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

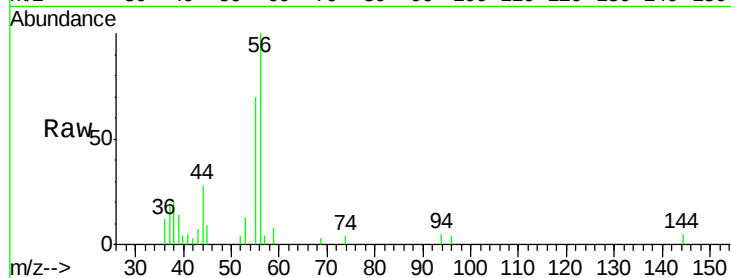
VSTDICCC050

Tot Ion: 56 Resp: 27802

Ion Ratio Lower Upper

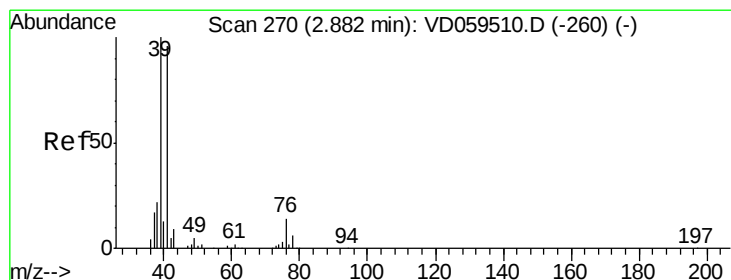
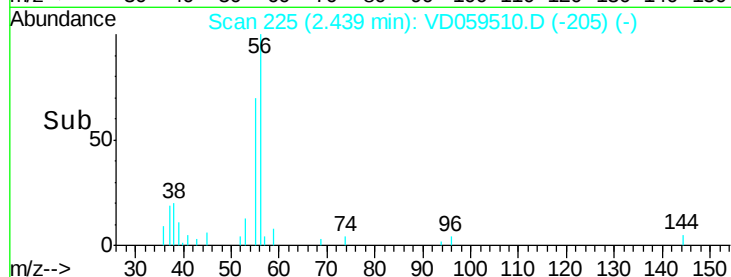
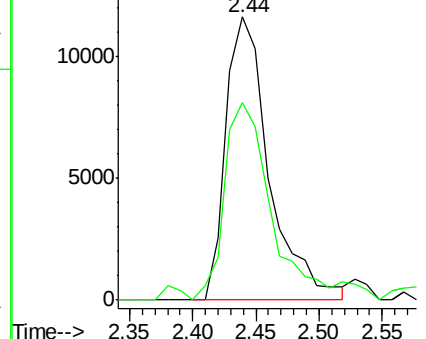
56 100

55 70.0 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 69.83 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

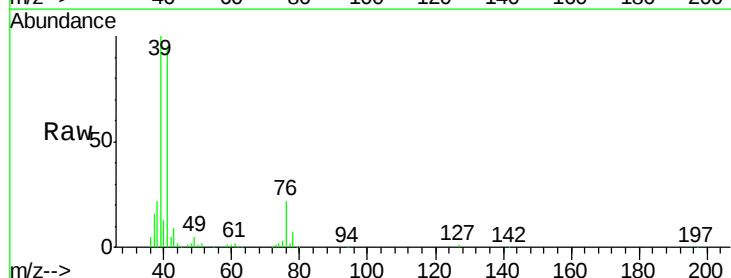
Tgt Ion: 41 Resp: 327112

Ion Ratio Lower Upper

41 100

39 104.8 83.8 125.8

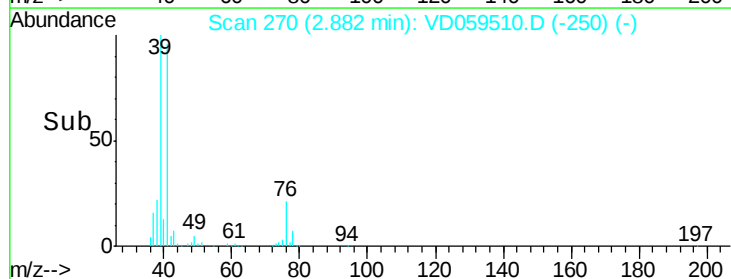
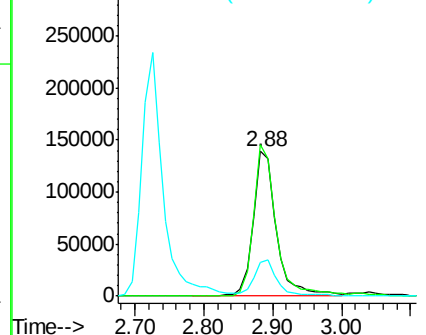
76 23.0 18.4 27.6

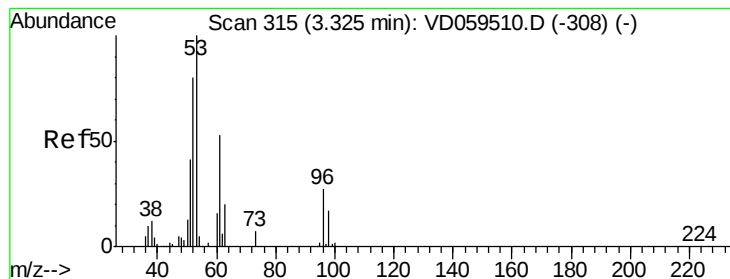


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 291.90 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

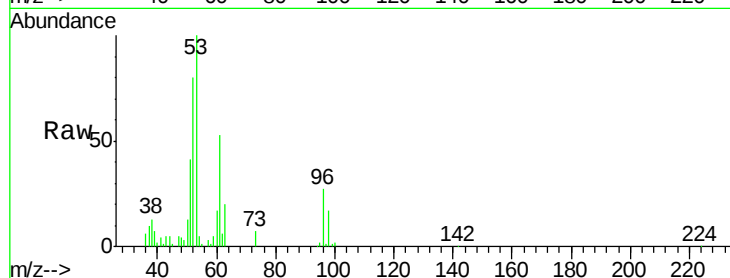
Tot Ion: 53 Resp: 186164

Ion Ratio Lower Upper

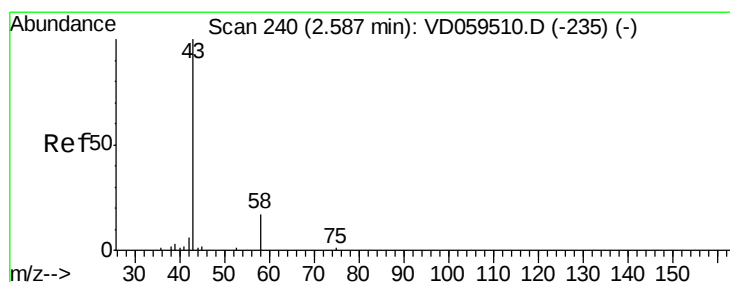
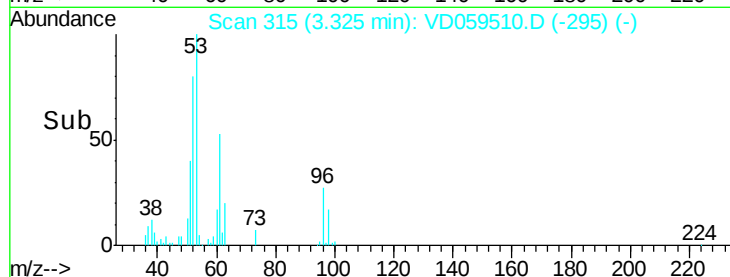
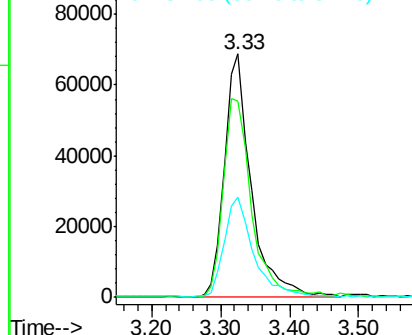
53 100

52 80.4 64.3 96.5

51 41.2 33.0 49.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 337.74 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059510.D

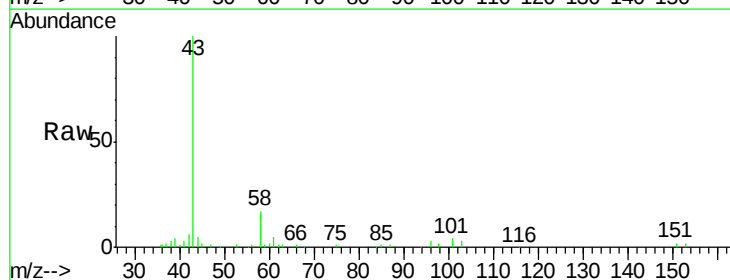
Acq: 2 Jul 2018 18:32

Tgt Ion: 43 Resp: 268037

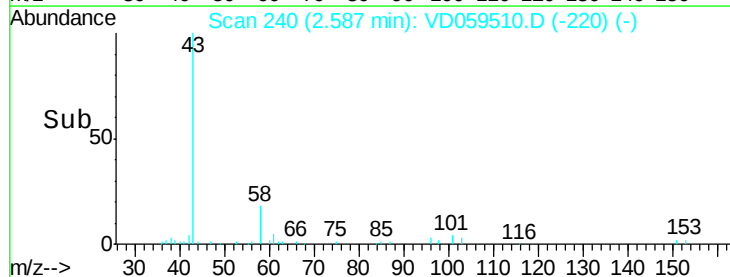
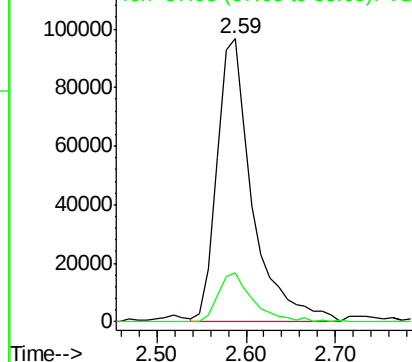
Ion Ratio Lower Upper

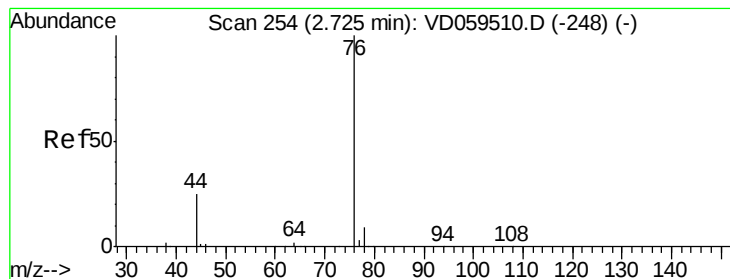
43 100

58 17.3 13.8 20.8



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





#17

Carbon Disulfide

Concen: 77.93 ug/l

RT: 2.72 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

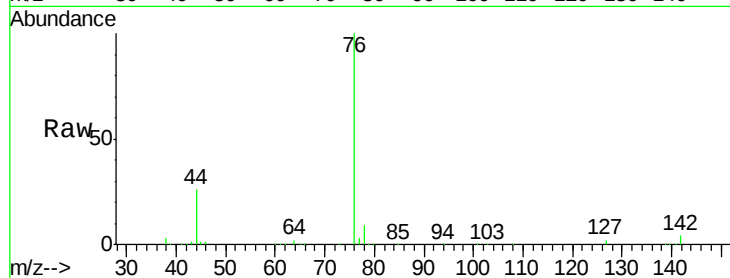
VSTDICCC050

Tot Ion: 76 Resp: 505649

Ion Ratio Lower Upper

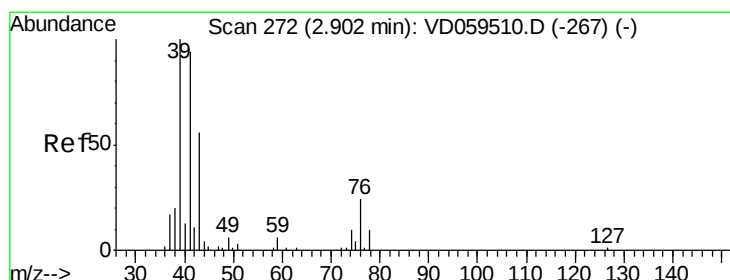
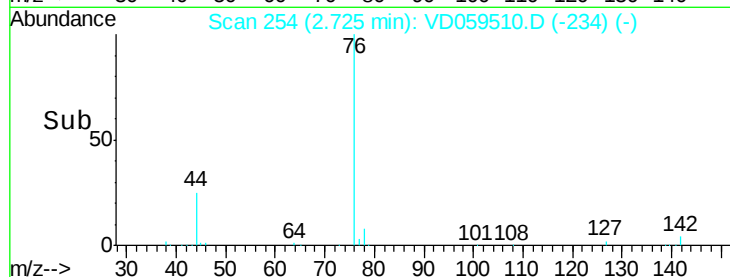
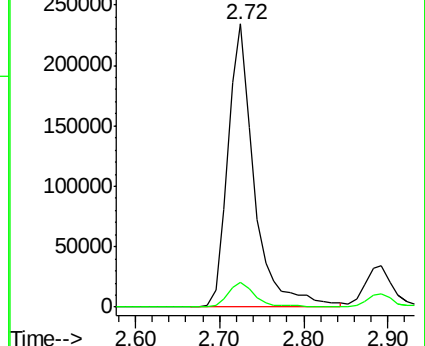
76 100

78 8.6 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.85 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059510.D

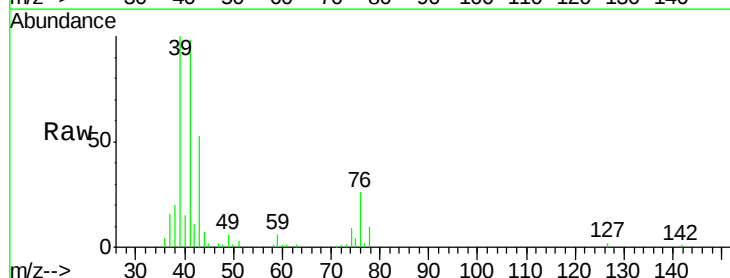
Acq: 2 Jul 2018 18:32

Tgt Ion: 43 Resp: 105179

Ion Ratio Lower Upper

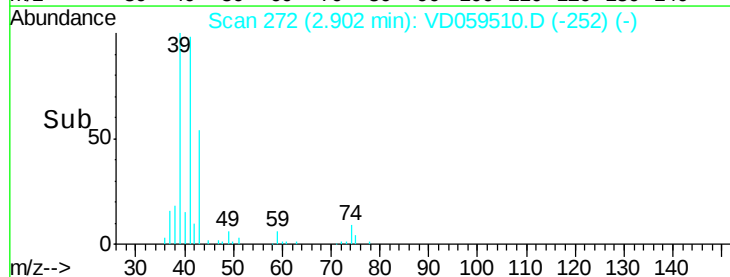
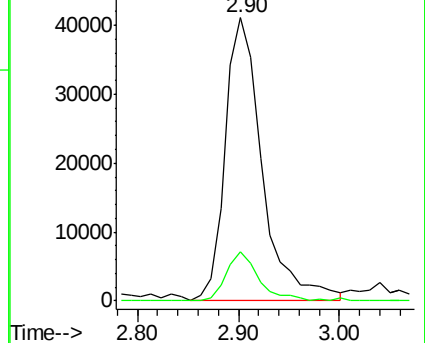
43 100

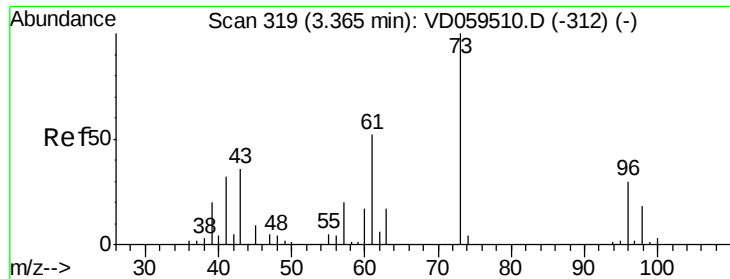
74 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

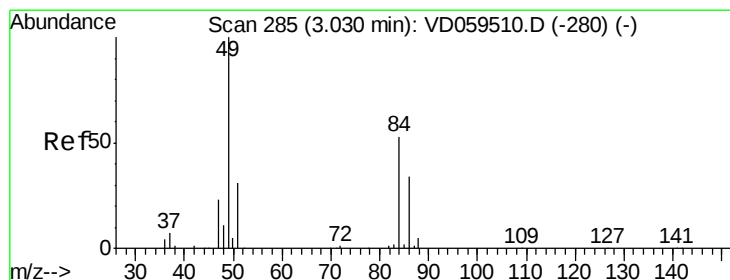
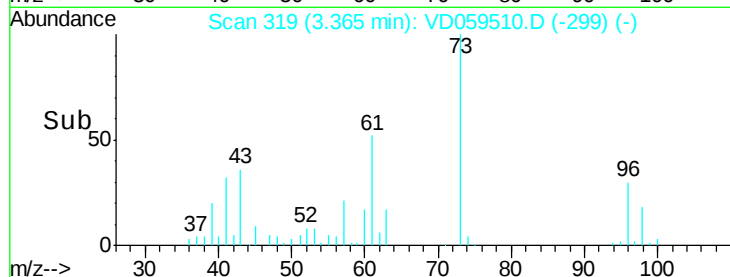
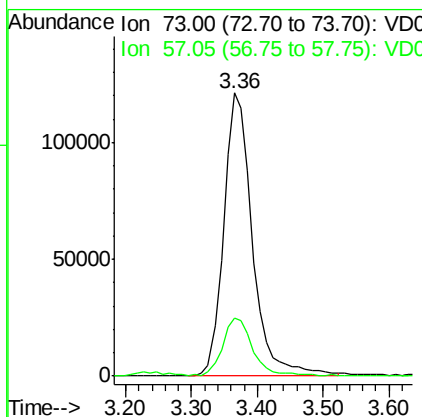
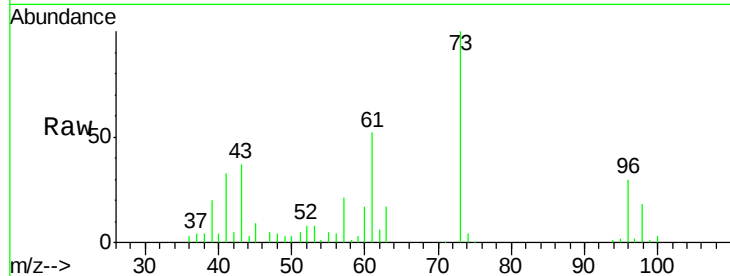




#19
Methvl tert-butvl Ether
Concen: 41.35 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

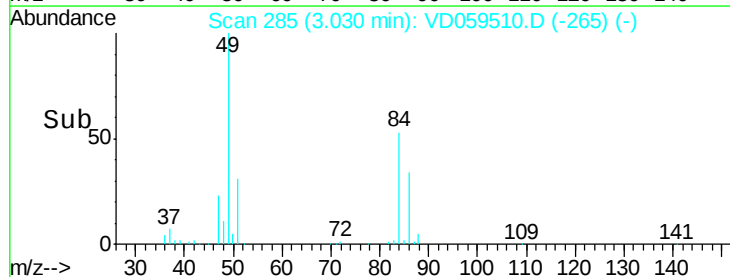
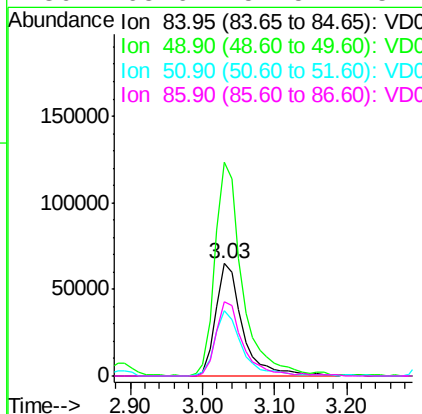
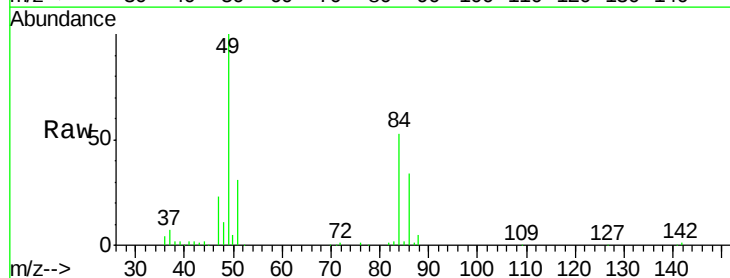
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

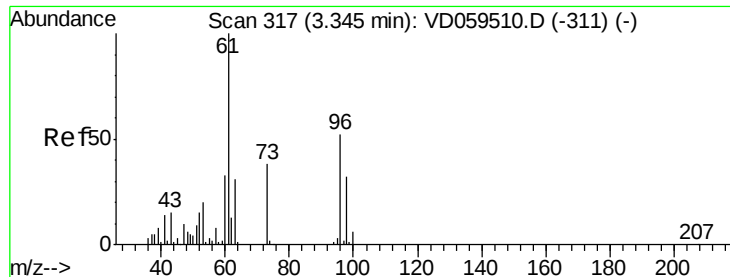
Tot Ion: 73 Resp: 369485
Ion Ratio Lower Upper
73 100
57 20.6 16.5 24.7



#20
Methylene Chloride
Concen: 65.63 ug/l
RT: 3.03 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 84 Resp: 165806
Ion Ratio Lower Upper
84 100
49 190.2 152.2 228.2
51 58.1 46.5 69.7
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.27 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

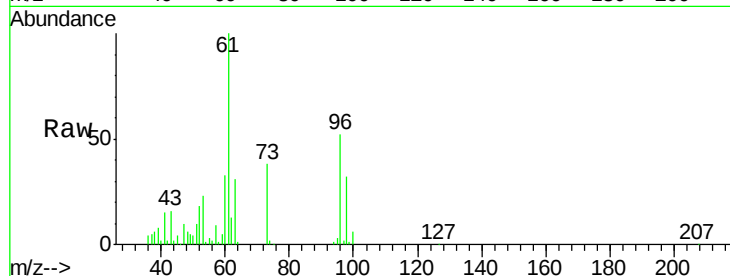
Tot Ion: 96 Resp: 166840

Ion Ratio Lower Upper

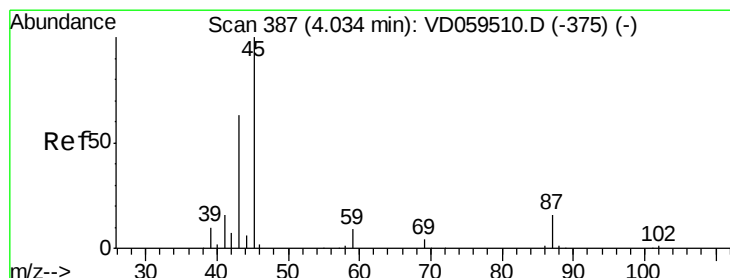
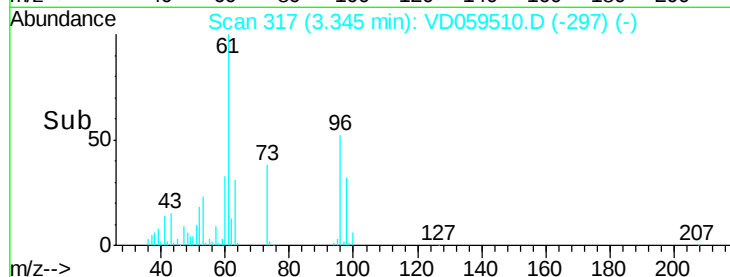
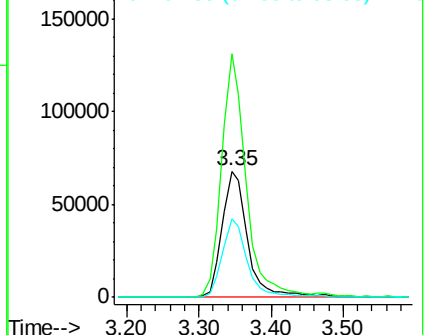
96 100

61 193.4 154.7 232.1

98 62.4 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: 67.71 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Tgt Ion: 45 Resp: 1180133

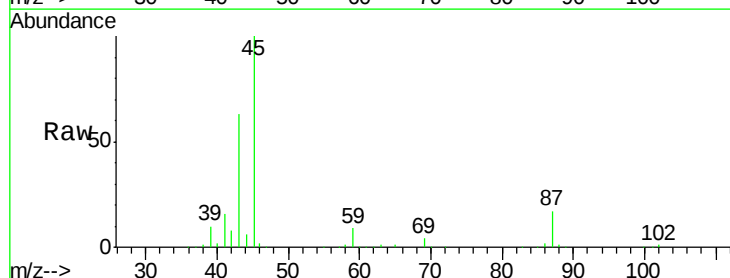
Ion Ratio Lower Upper

45 100

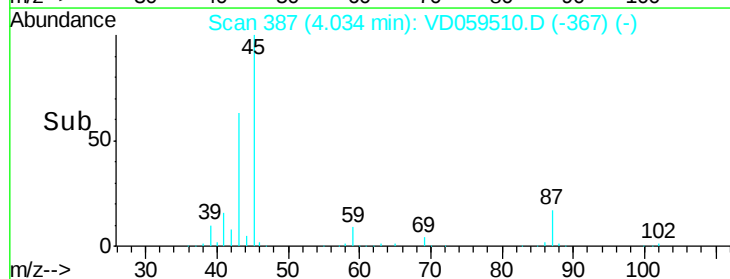
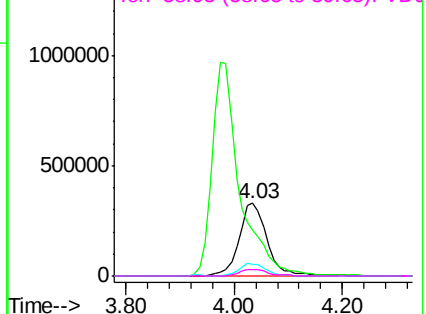
43 63.4 50.7 76.1

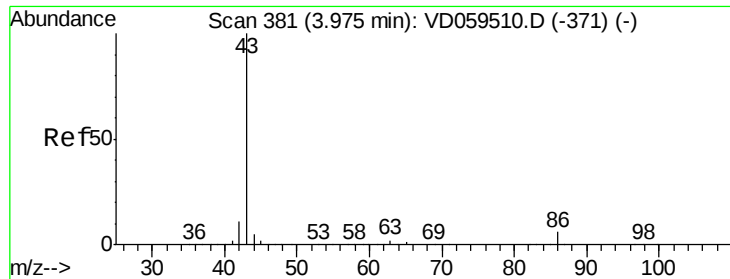
87 16.7 13.4 20.0

59 9.2 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: 369.25 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleID :

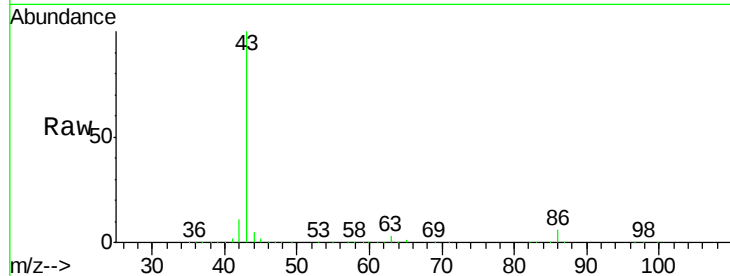
VSTDICCC050

Tot Ion: 43 Resp: 3416984

Ion Ratio Lower Upper

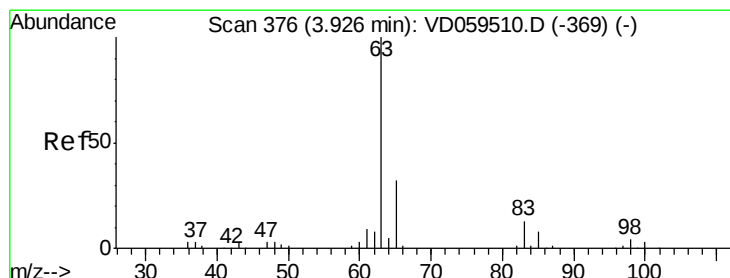
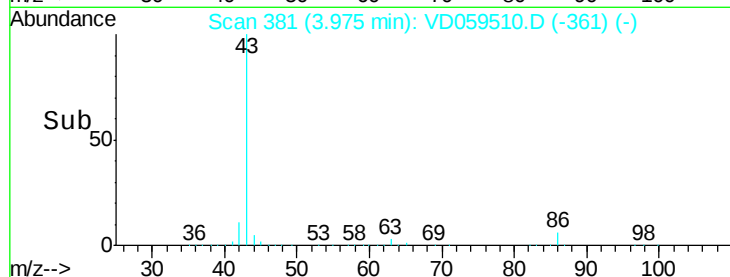
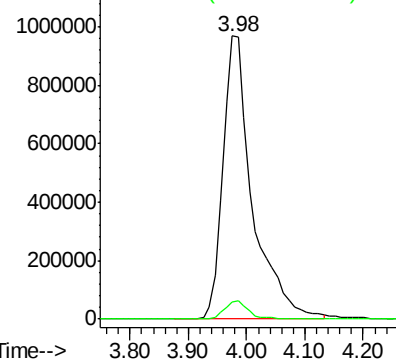
43 100

86 6.2 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: 67.20 ug/l

RT: 3.93 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

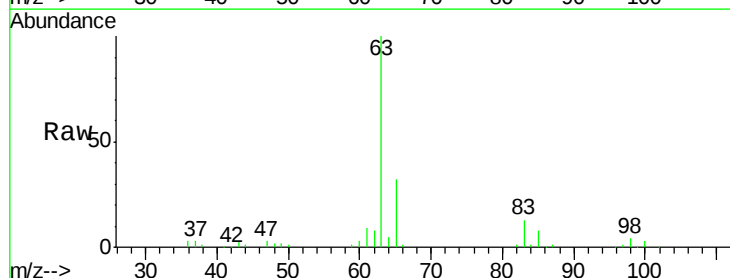
Tgt Ion: 63 Resp: 673172

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

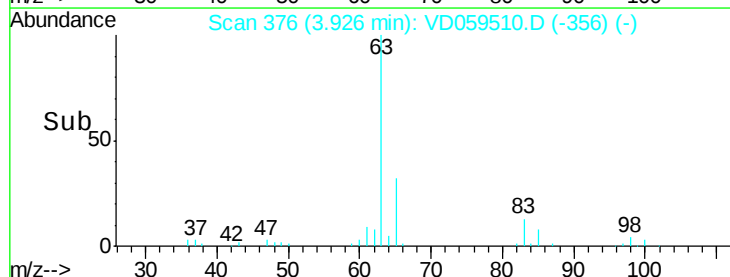
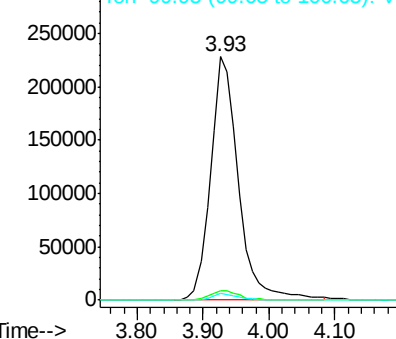
100 2.9 1.5 4.4

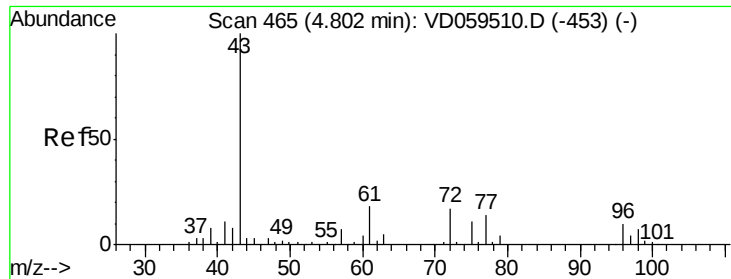


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 328.28 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

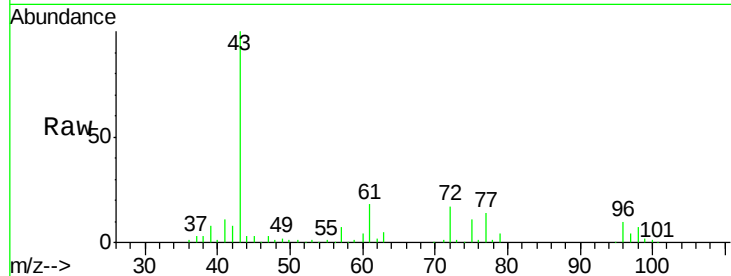
VSTDICCC050

Tot Ion: 43 Resp: 541893

Ion Ratio Lower Upper

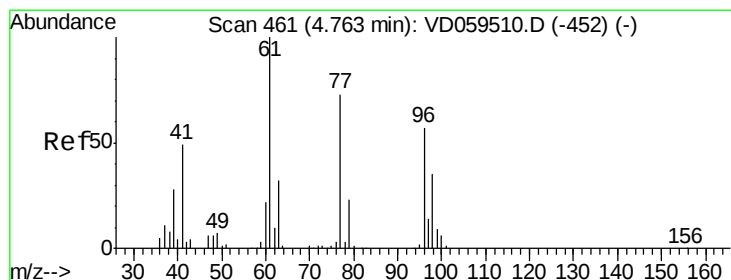
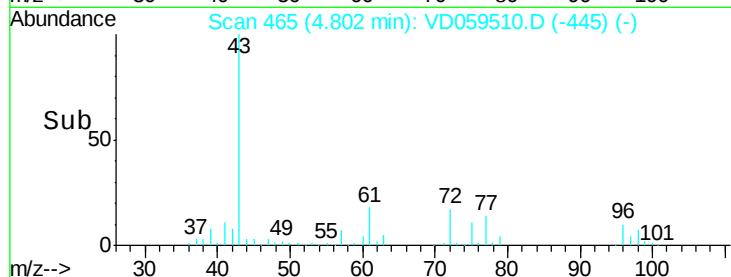
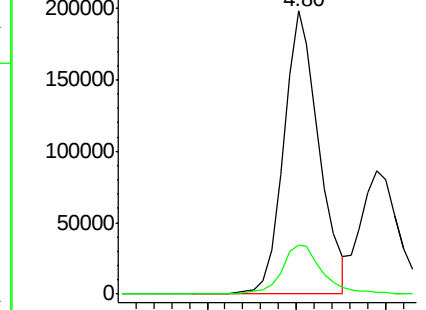
43 100

72 17.3 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: 69.46 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059510.D

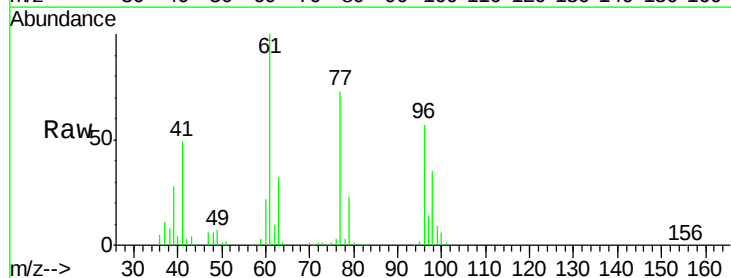
Acq: 2 Jul 2018 18:32

Tgt Ion: 77 Resp: 542681

Ion Ratio Lower Upper

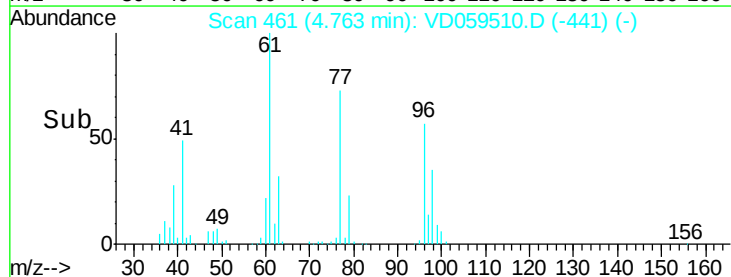
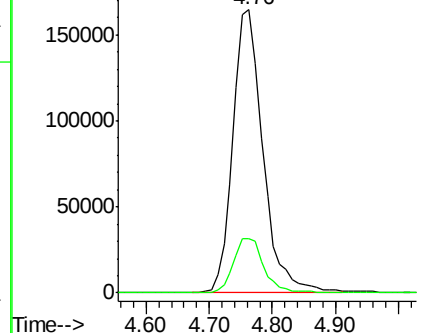
77 100

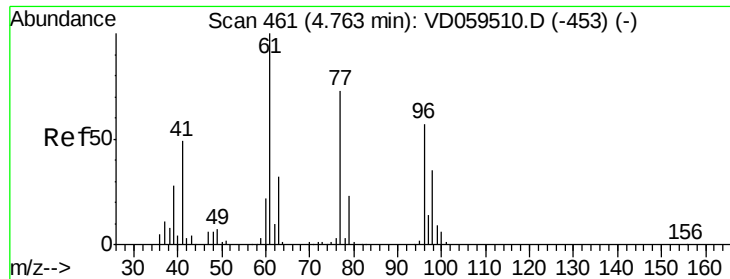
97 19.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

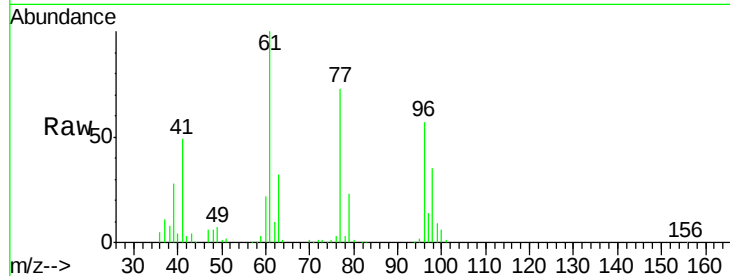




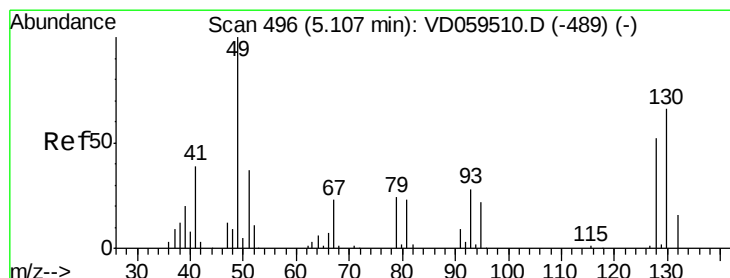
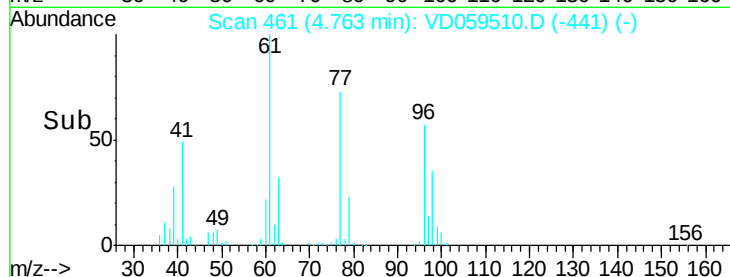
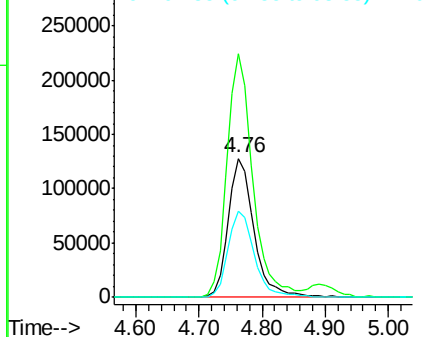
#27
 cis-1,2-Dichloroethene
 Concen: 60.73 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 359188
 Ion Ratio Lower Upper
 96 100
 61 175.4 0.0 350.8
 98 61.7 0.0 123.4

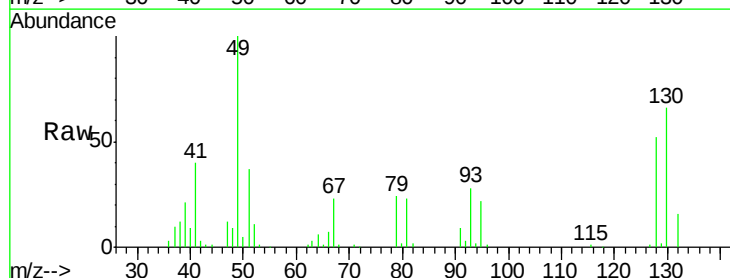


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

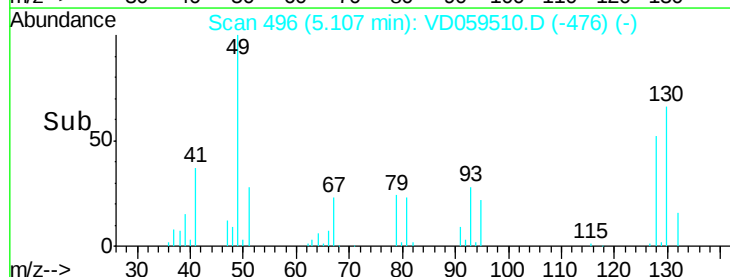
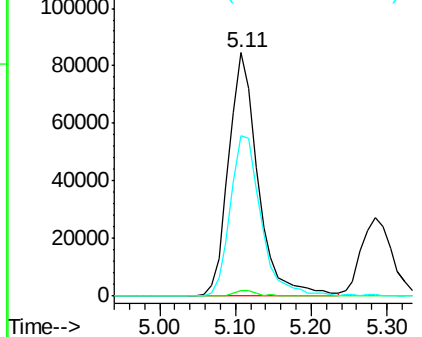


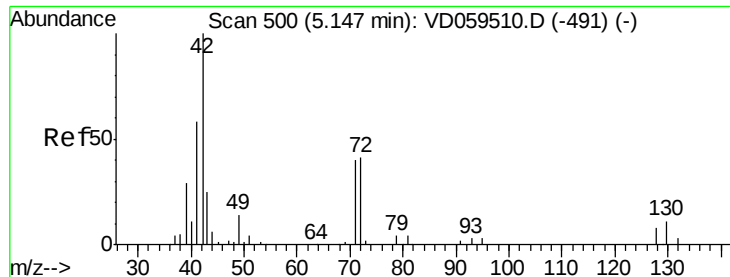
#28
 Bromochloromethane
 Concen: 55.76 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 49 Resp: 226943
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.4
 130 65.7 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

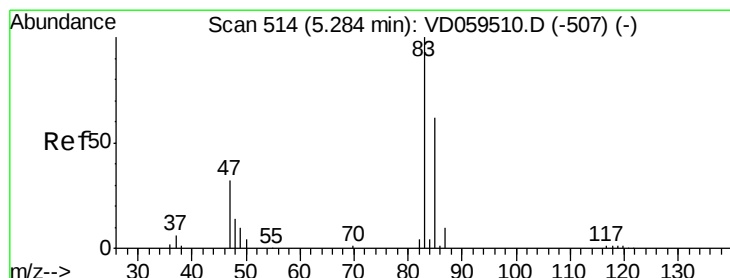
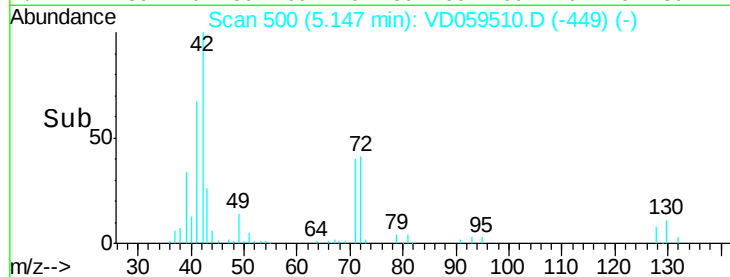
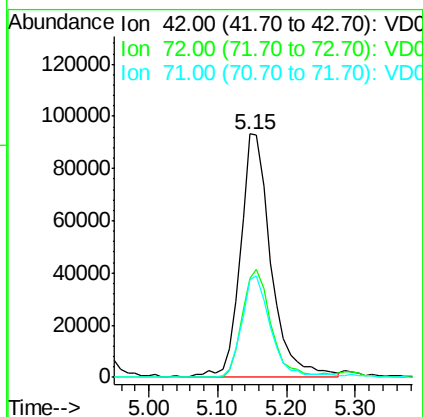
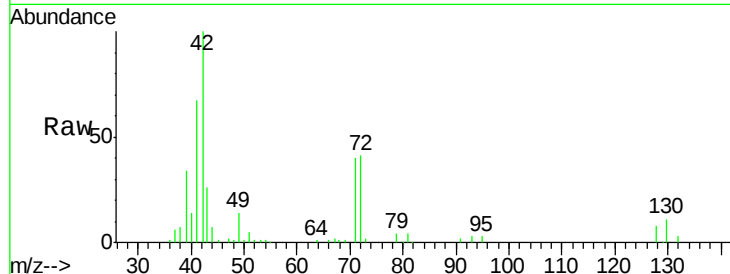




#29
Tetrahydrofuran
Concen: 322.22 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

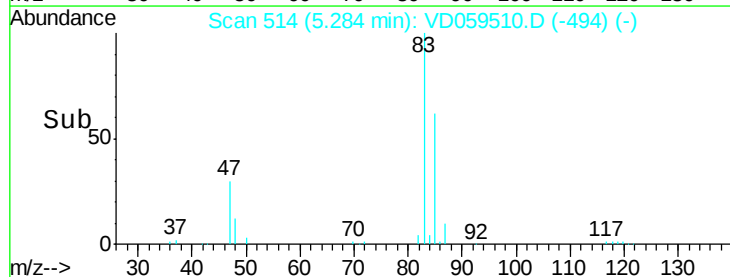
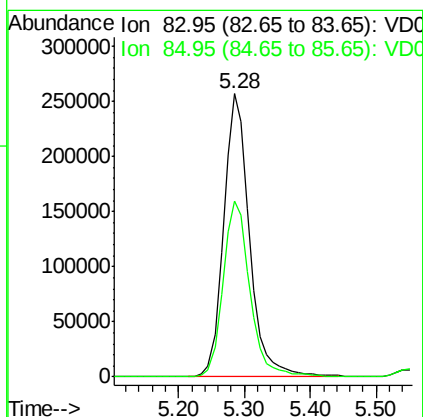
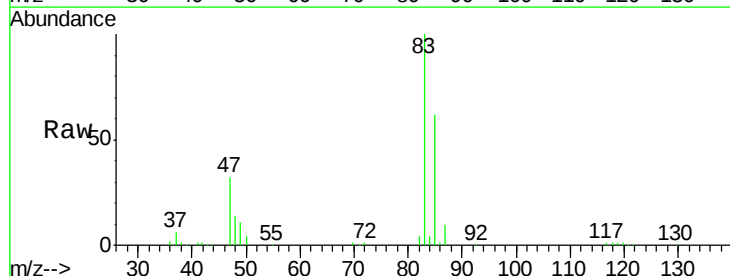
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

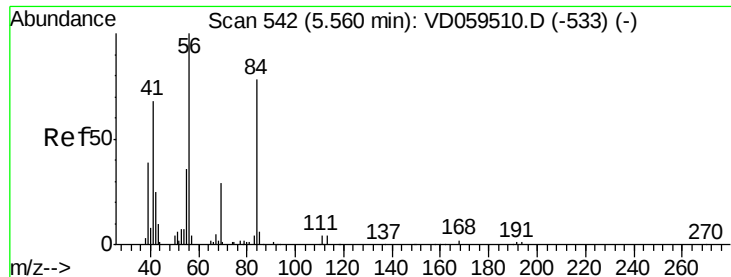
Tot Ion: 42 Resp: 287810
Ion Ratio Lower Upper
42 100
72 41.1 32.9 49.3
71 39.5 31.6 47.4



#30
Chloroform
Concen: 65.29 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 83 Resp: 703920
Ion Ratio Lower Upper
83 100
85 62.2 49.8 74.6

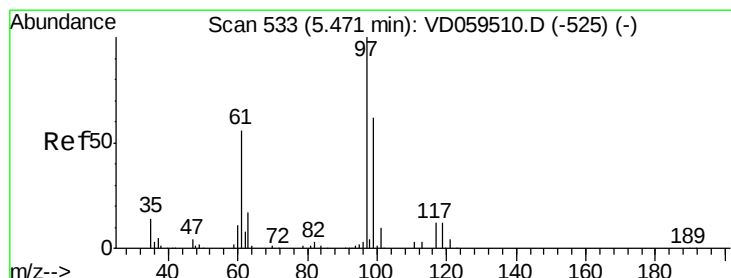
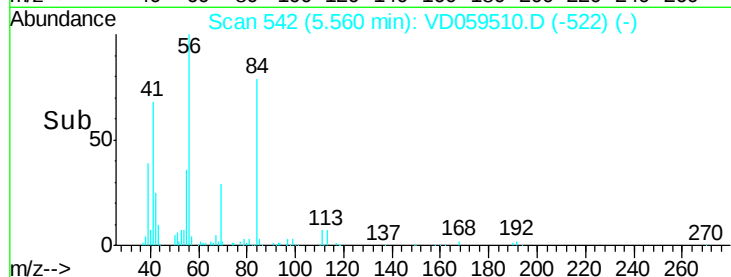
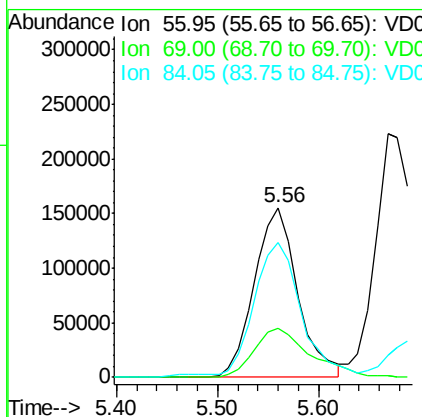
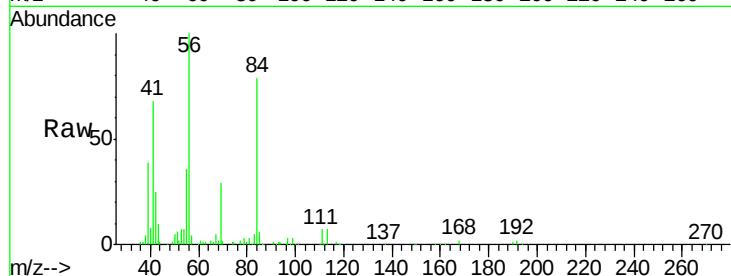




#31
Cyclohexane
Concen: 61.48 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

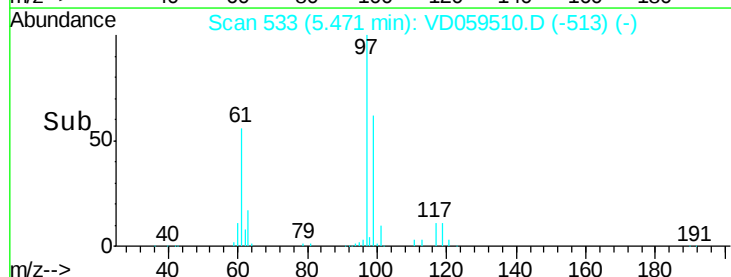
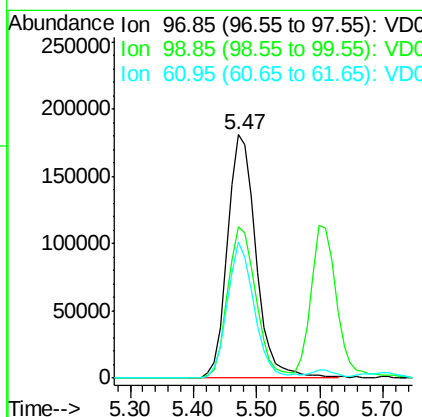
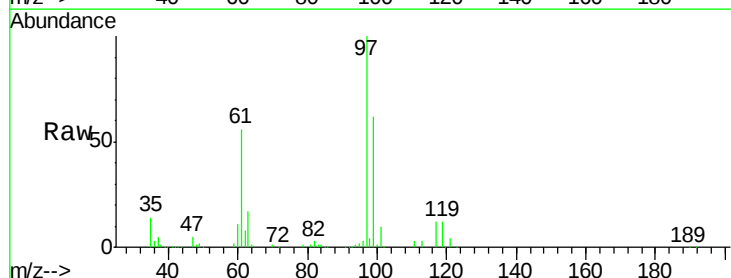
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

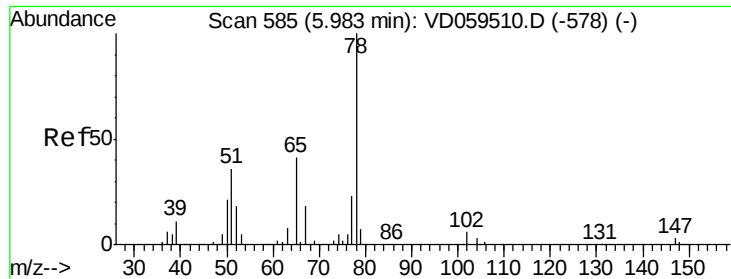
Tot Ion: 56 Resp: 465124
Ion Ratio Lower Upper
56 100
69 28.6 22.9 34.3
84 79.2 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 65.23 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 97 Resp: 565202
Ion Ratio Lower Upper
97 100
99 62.0 49.6 74.4
61 56.0 44.8 67.2

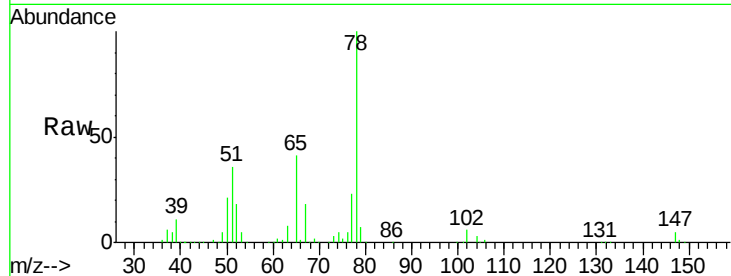




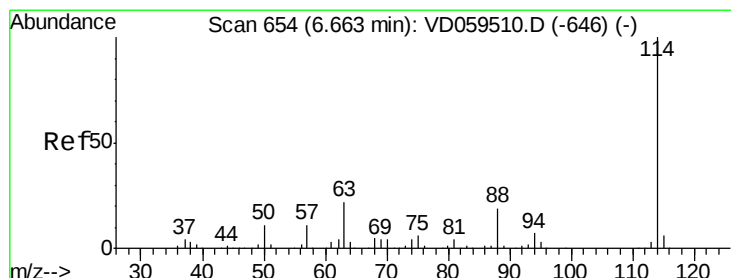
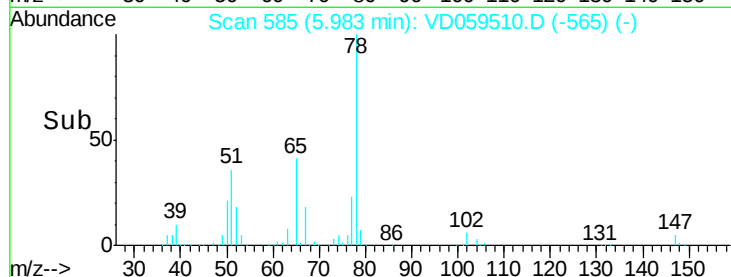
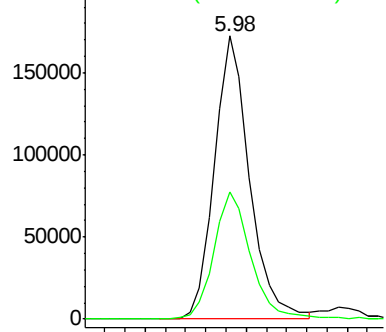
#33
 1,2-Dichloroethane-d4
 Concen: 65.23 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 418895
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 90.2

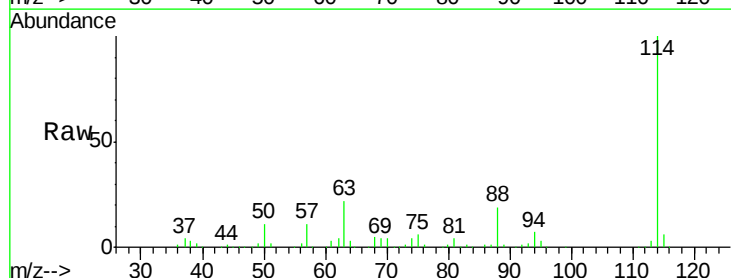


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

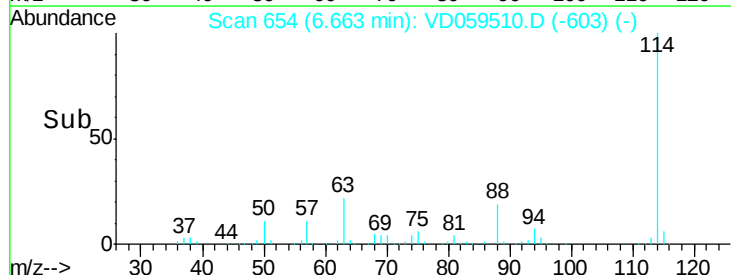
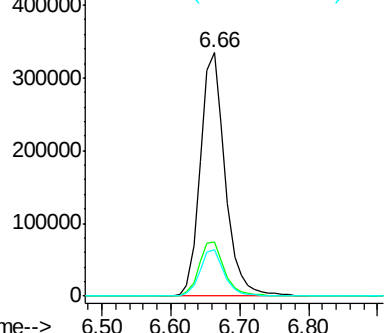


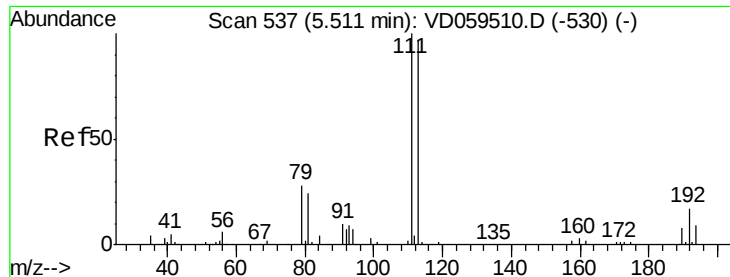
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 114 Resp: 832200
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 18.9 0.0 37.8



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

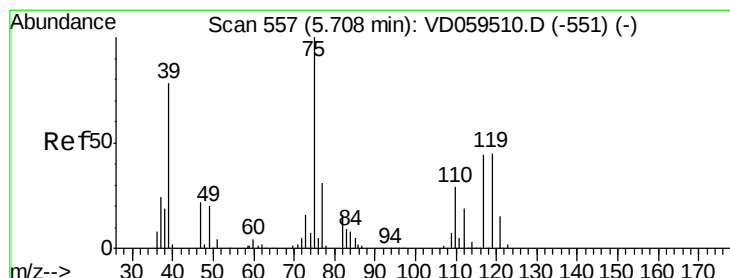
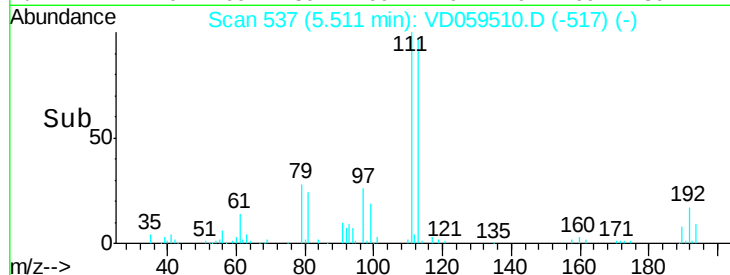
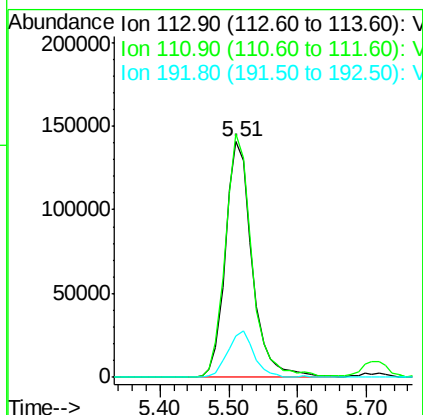
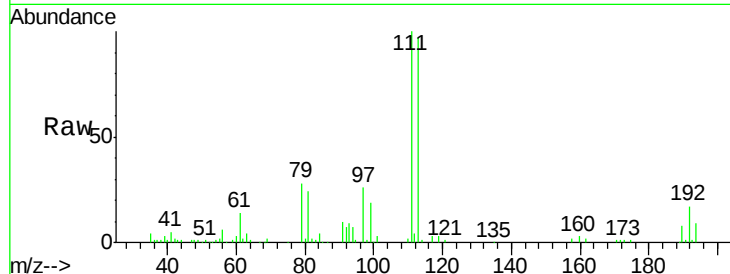




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

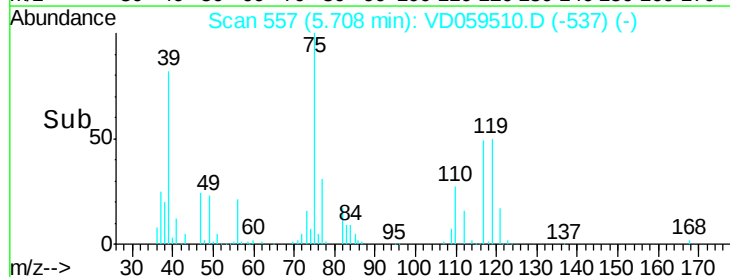
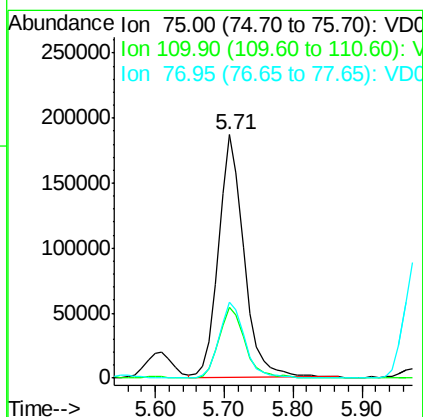
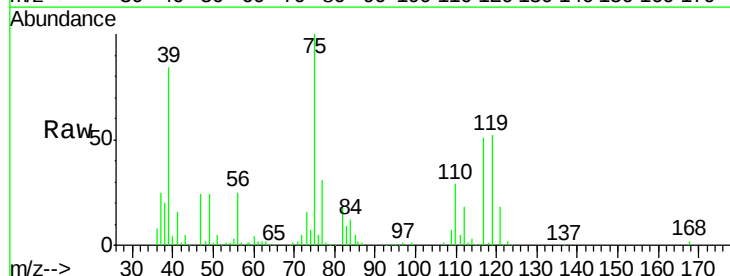
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

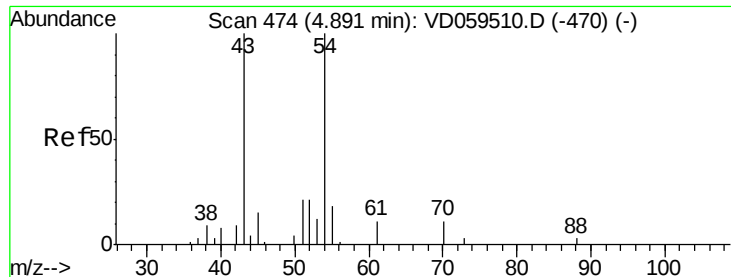
Tot Ion:113 Resp: 378056
Ion Ratio Lower Upper
113 100
111 103.4 82.7 124.1
192 17.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 59.89 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 75 Resp: 476402
Ion Ratio Lower Upper
75 100
110 28.9 14.4 43.4
77 31.3 25.0 37.6

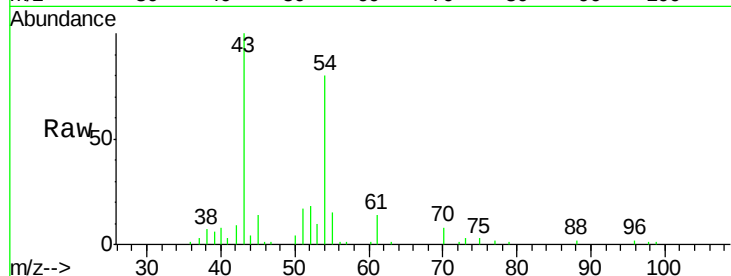




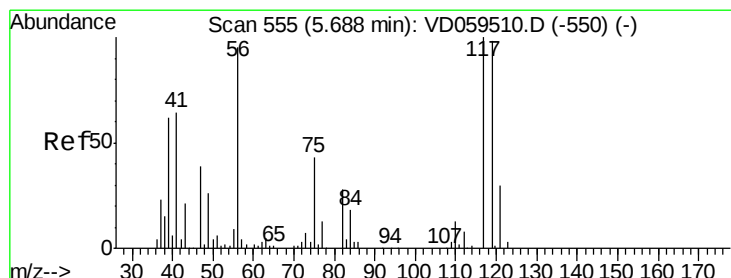
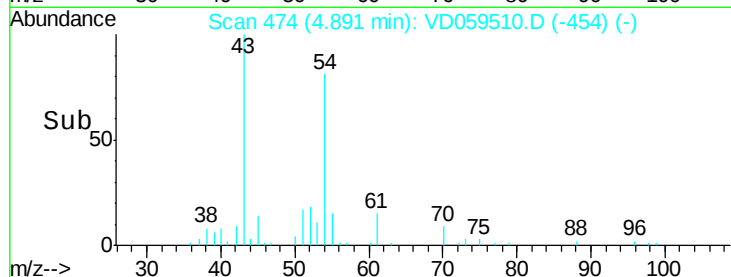
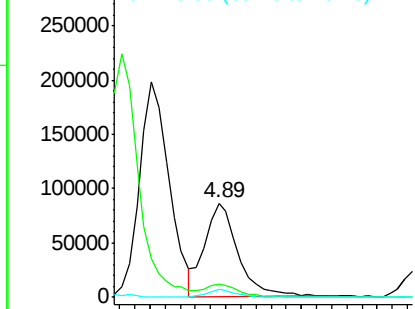
#37
Ethyl Acetate
Concen: 55.47 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 262511
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 8.5 6.8 10.2

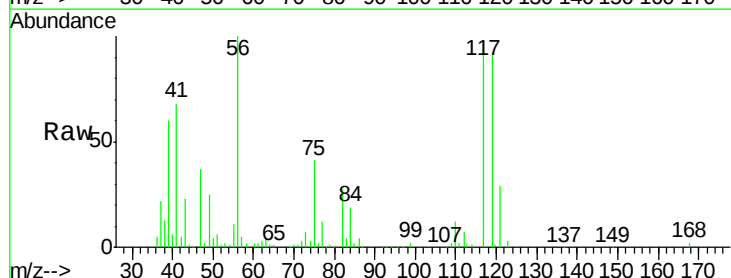


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

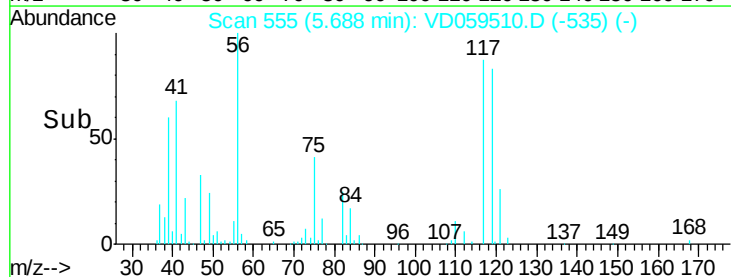
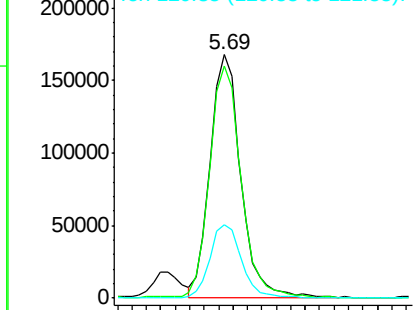


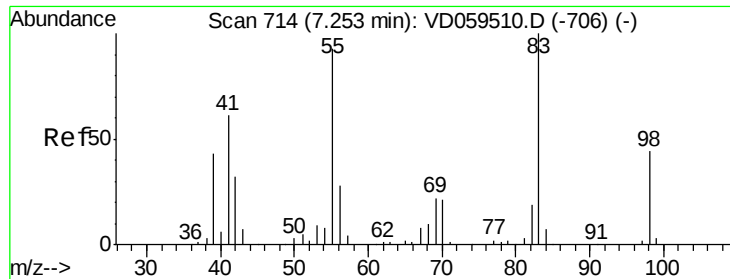
#38
Carbon Tetrachloride
Concen: 59.49 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 117 Resp: 486498
Ion Ratio Lower Upper
117 100
119 95.5 76.4 114.6
121 29.9 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

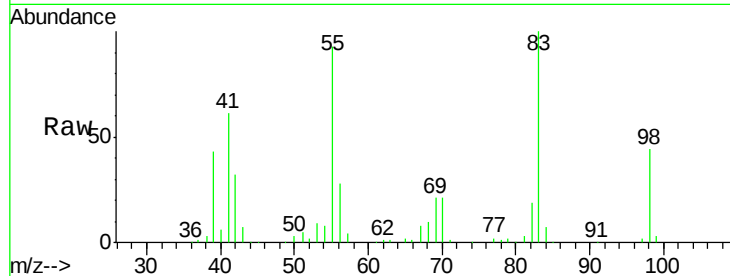




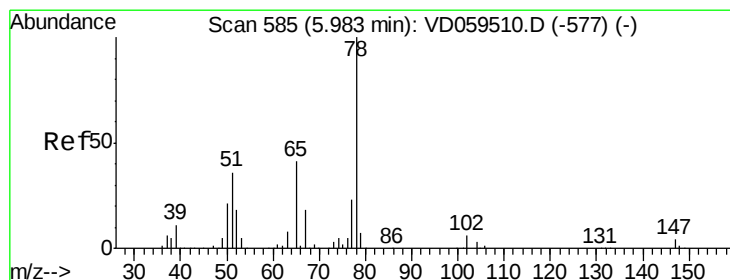
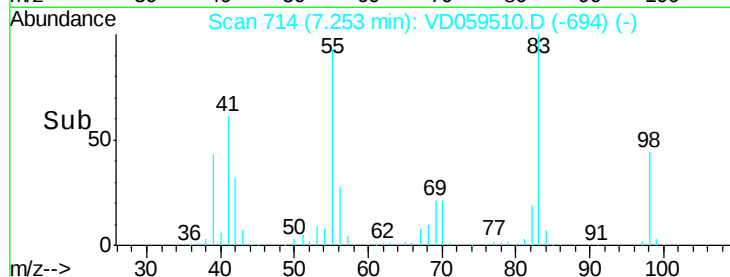
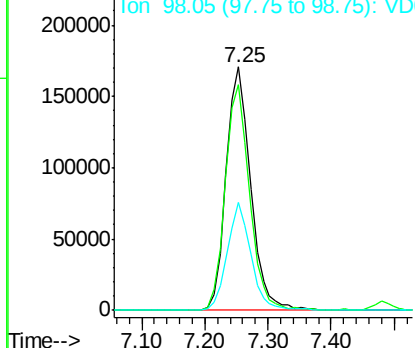
#39
Methvlcvclohexane
Concen: 60.65 ug/l
RT: 7.25 min Scan# 714
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 458391
Ion Ratio Lower Upper
83 100
55 92.8 74.2 111.4
98 44.4 35.5 53.3

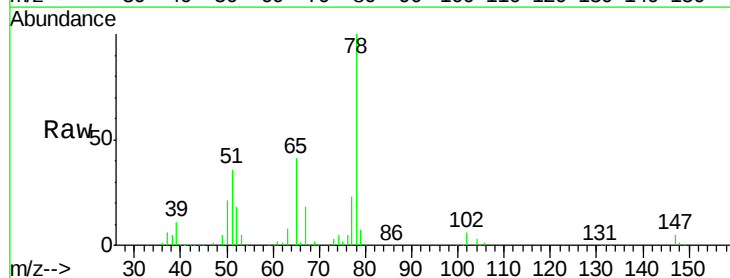


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

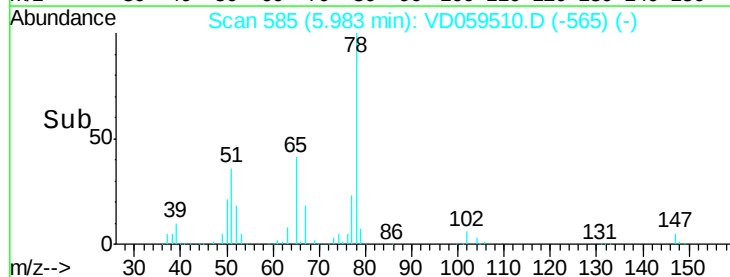
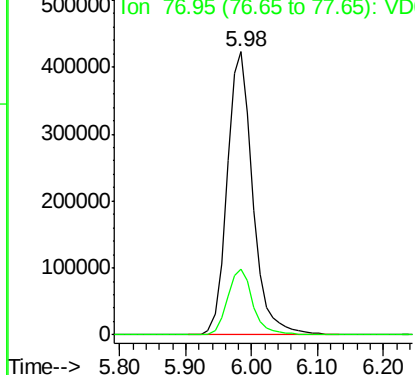


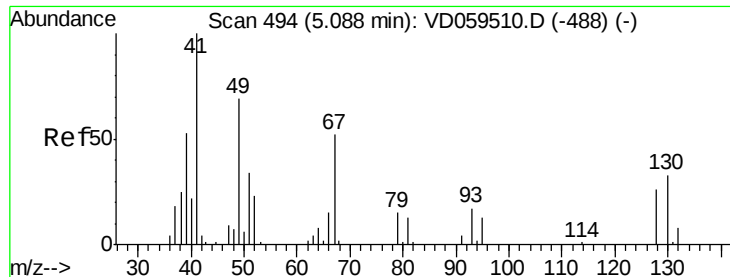
#40
Benzene
Concen: 60.49 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 78 Resp: 1153147
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8



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

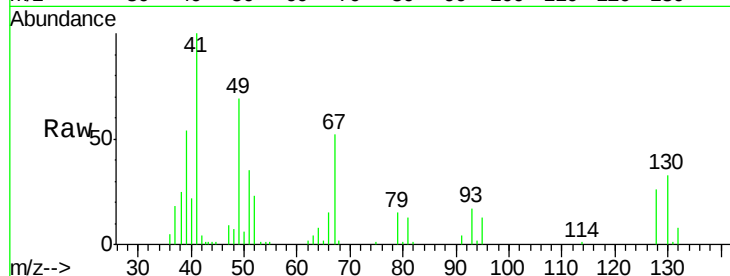




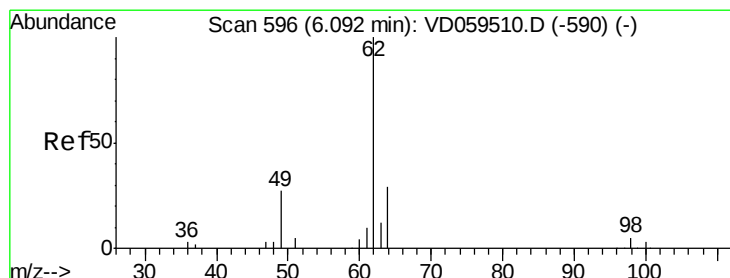
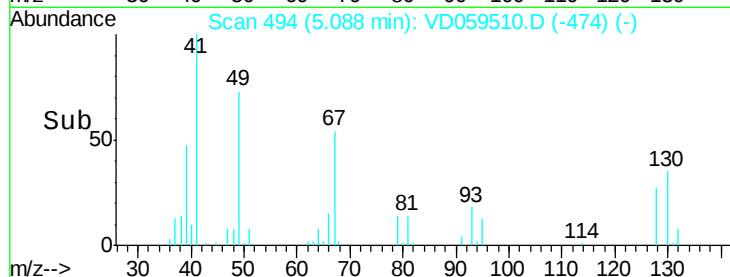
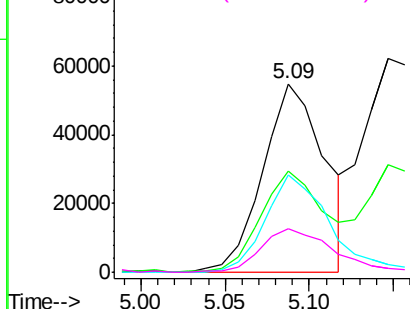
#41
Methacrylonitrile
Concen: 60.63 ug/l
RT: 5.09 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 139621
Ion Ratio Lower Upper
41 100
39 53.7 43.0 64.4
67 51.8 41.4 62.2
52 23.3 18.6 28.0

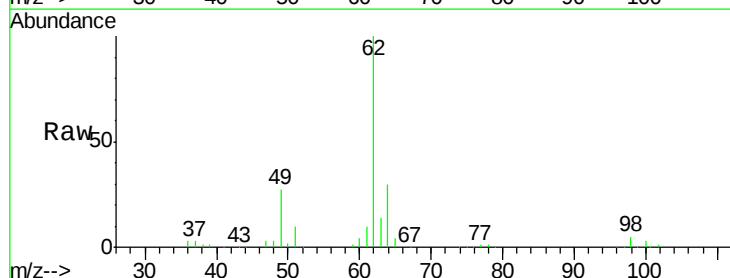


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

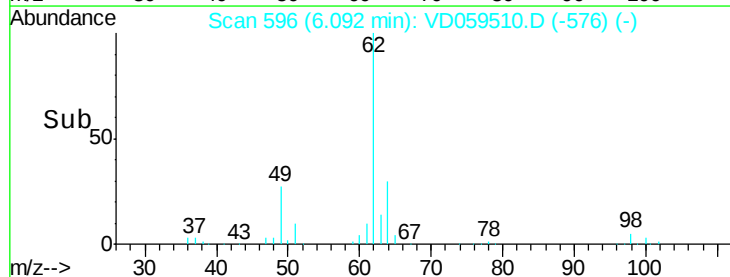
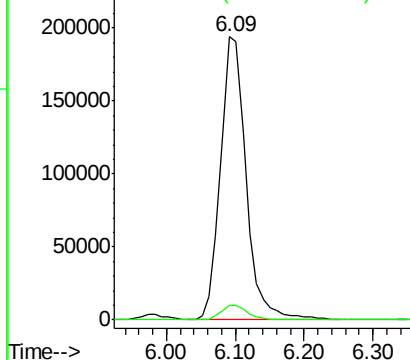


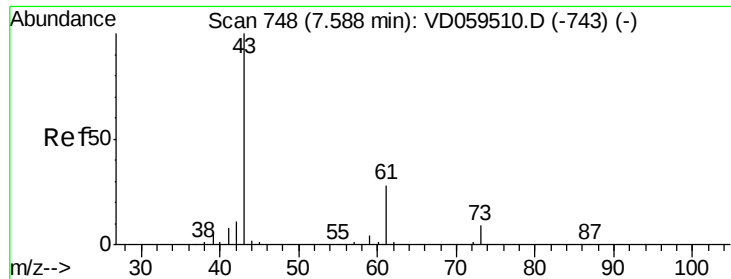
#42
1,2-Dichloroethane
Concen: 59.45 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 62 Resp: 497257
Ion Ratio Lower Upper
62 100
98 5.0 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: 59.21 ug/l

RT: 7.59 min Scan# 748

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

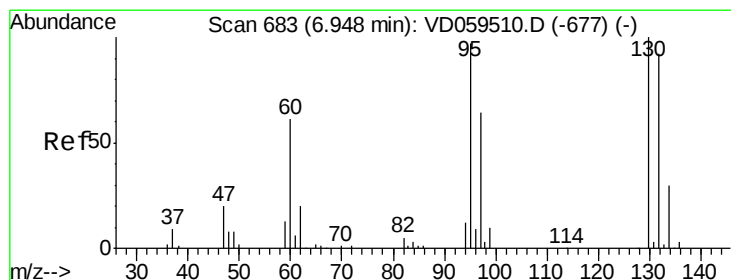
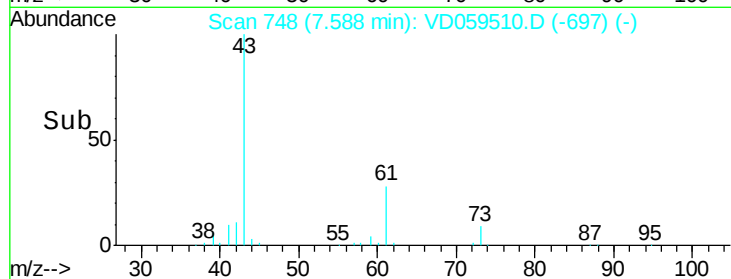
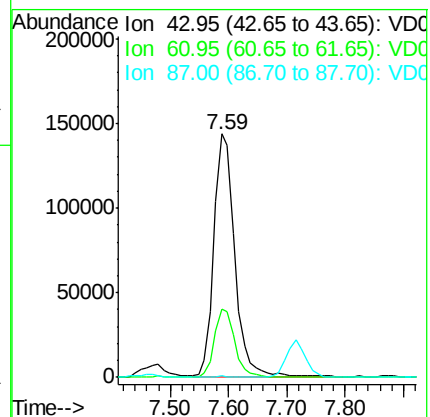
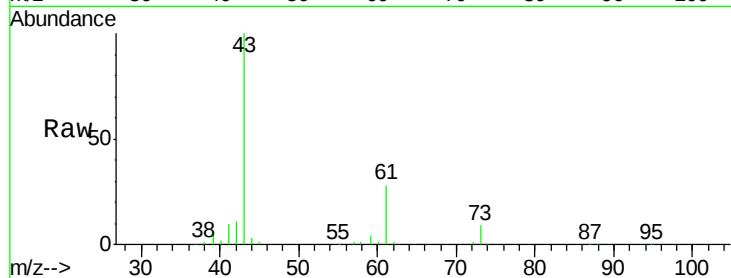
Tot Ion: 43 Resp: 356600

Ion Ratio Lower Upper

43 100

61 27.9 22.3 33.5

87 0.5 0.4 0.6



#44

Trichloroethene

Concen: 56.52 ug/l

RT: 6.95 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD059510.D

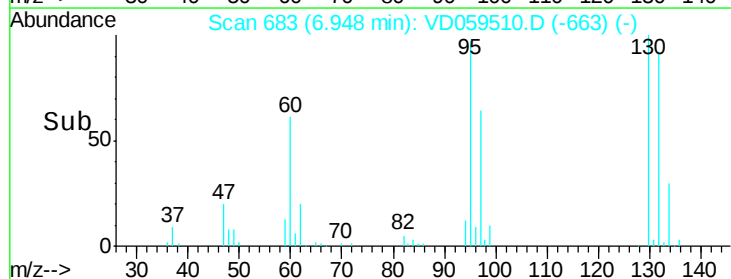
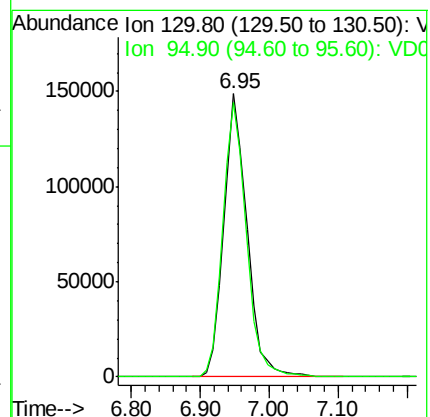
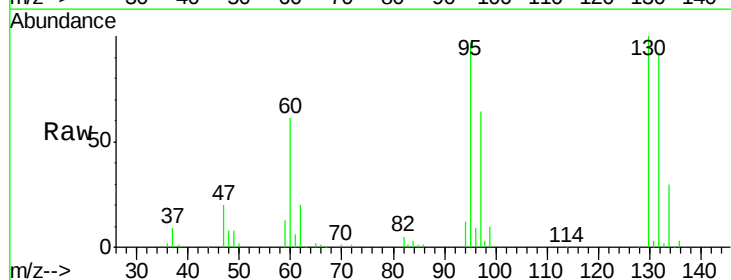
Acq: 2 Jul 2018 18:32

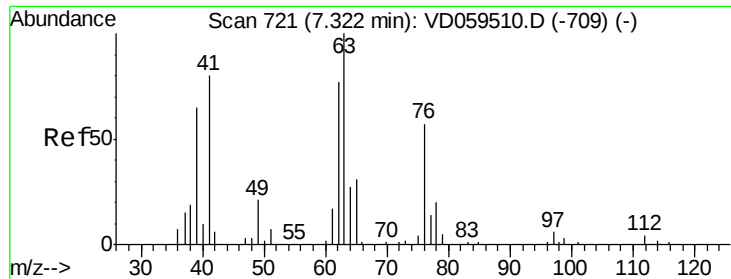
Tgt Ion:130 Resp: 349451

Ion Ratio Lower Upper

130 100

95 96.8 0.0 193.6





#45

1,2-Dichloropropane

Concen: 57.97 ug/l

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

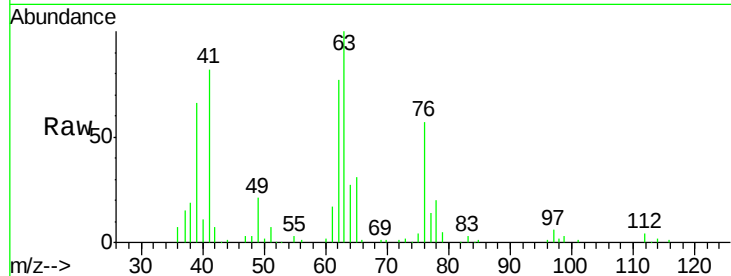
VSTDICCC050

Tot Ion: 63 Resp: 304487

Ion Ratio Lower Upper

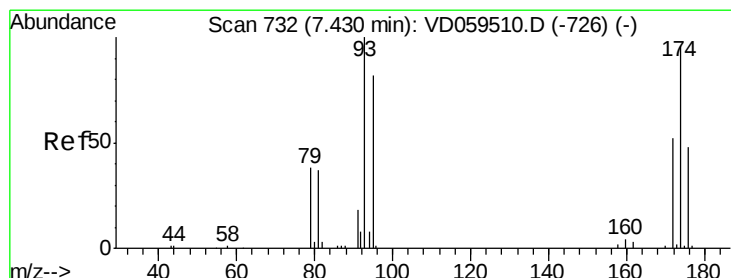
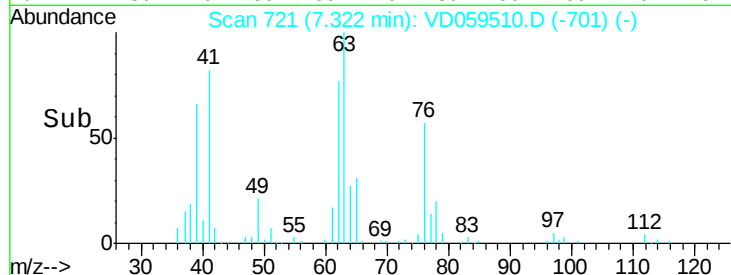
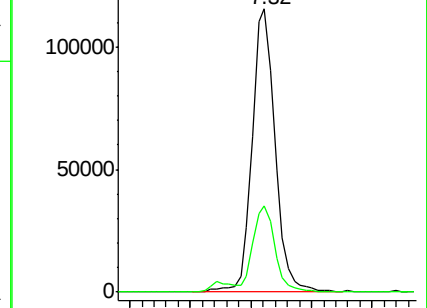
63 100

65 30.5 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: 56.29 ug/l

RT: 7.43 min Scan# 732

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

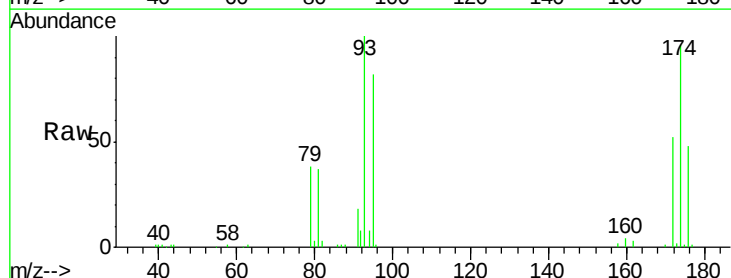
Tgt Ion: 93 Resp: 209381

Ion Ratio Lower Upper

93 100

95 82.1 65.7 98.5

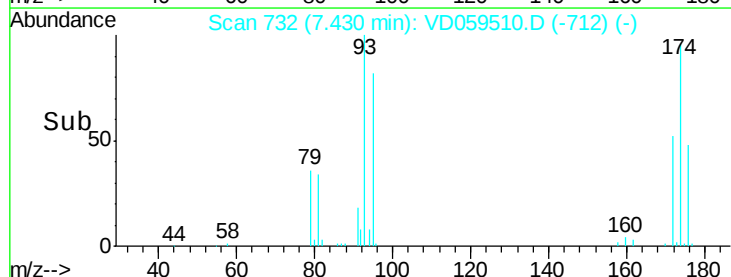
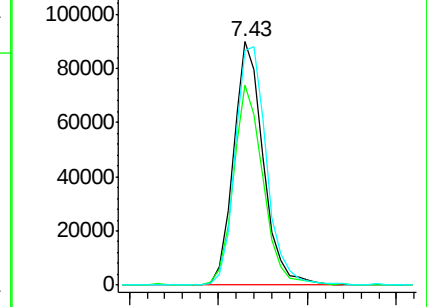
174 96.5 77.2 115.8

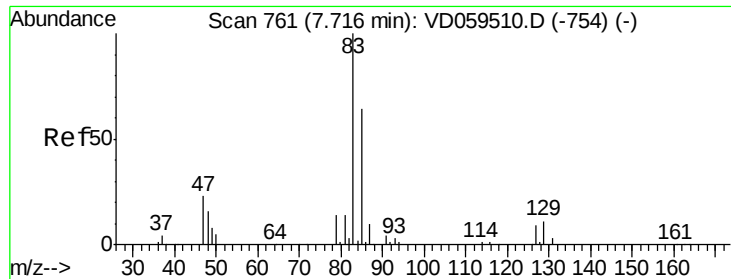


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 60.65 ug/l

RT: 7.72 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

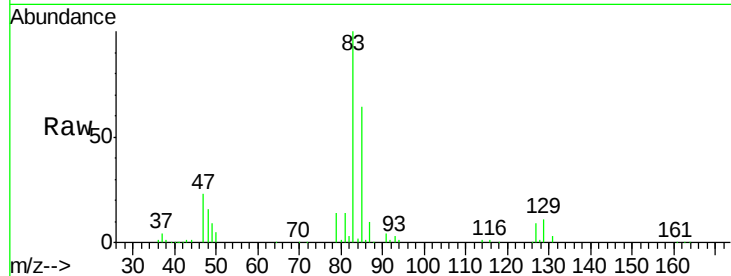
Tot Ion: 83 Resp: 507702

Ion Ratio Lower Upper

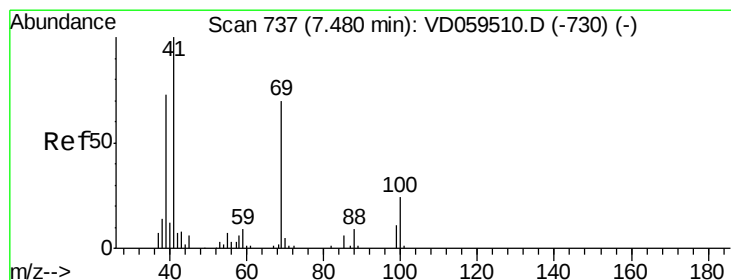
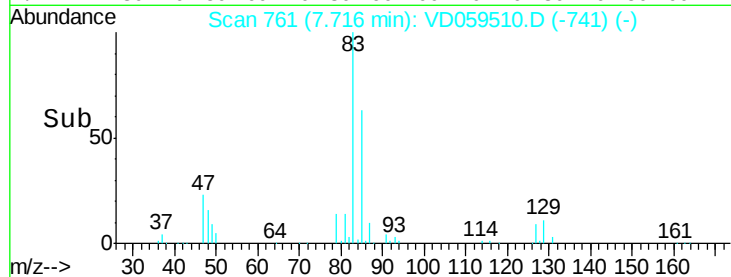
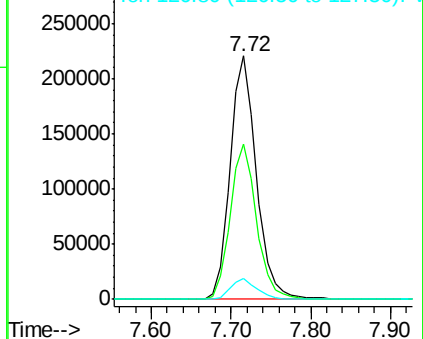
83 100

85 63.7 51.0 76.4

127 8.8 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: 59.77 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

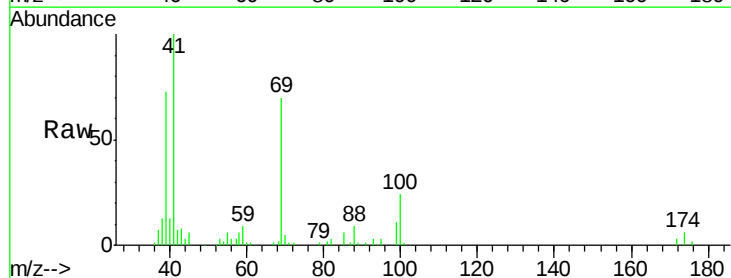
Tgt Ion: 41 Resp: 221272

Ion Ratio Lower Upper

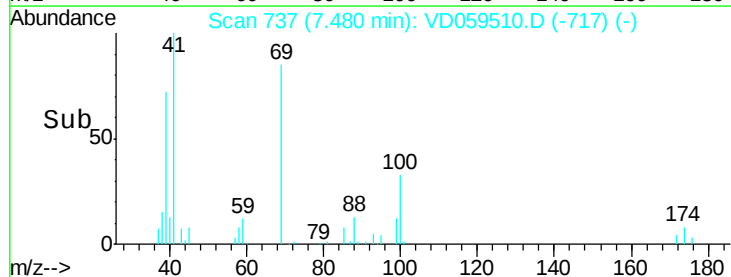
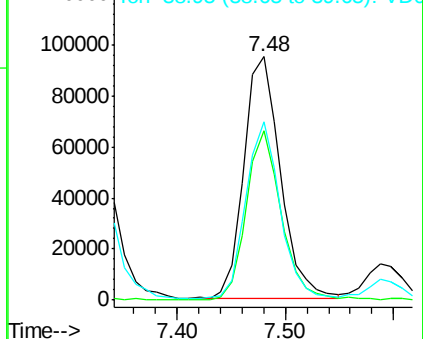
41 100

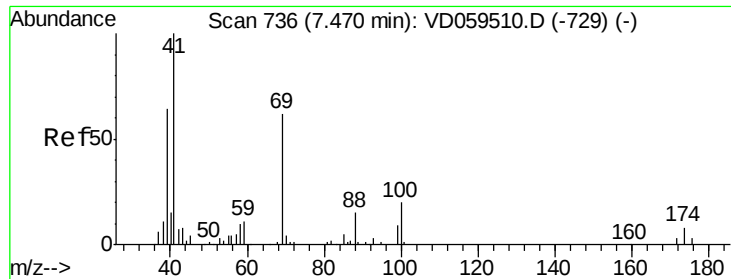
69 69.8 55.8 83.8

39 73.4 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

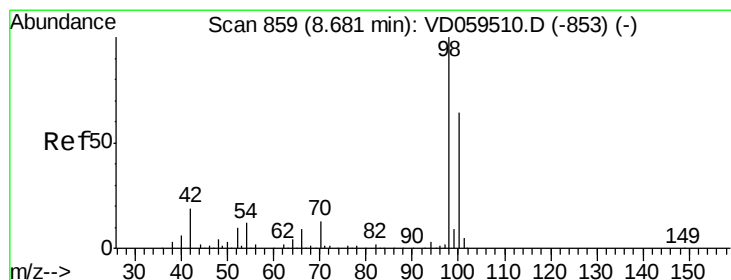
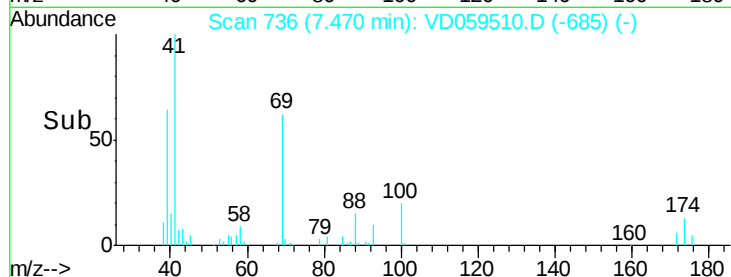
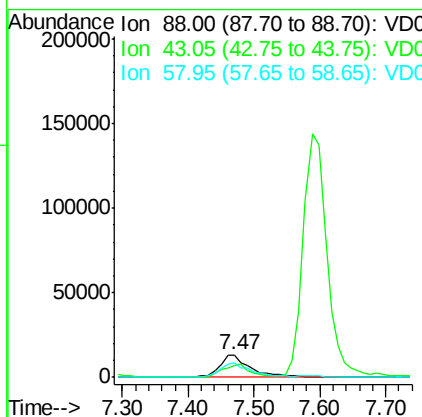
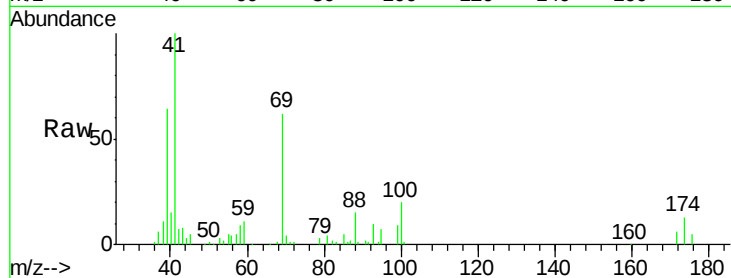




#49
1,4-Dioxane
Concen: 1174.99 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

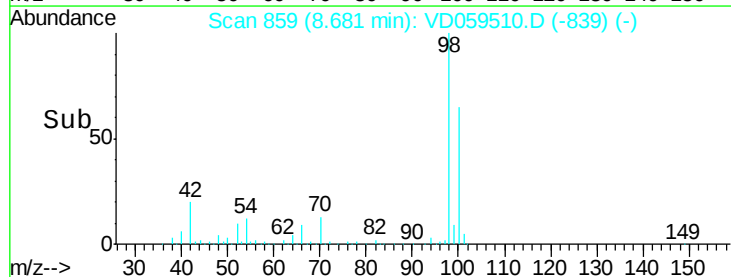
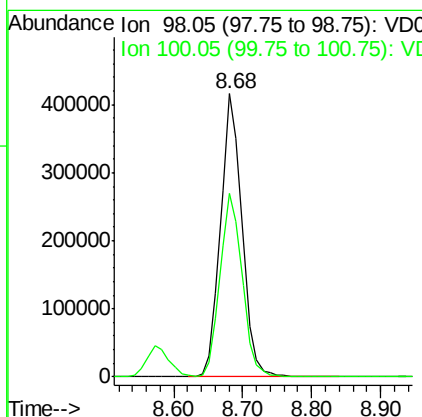
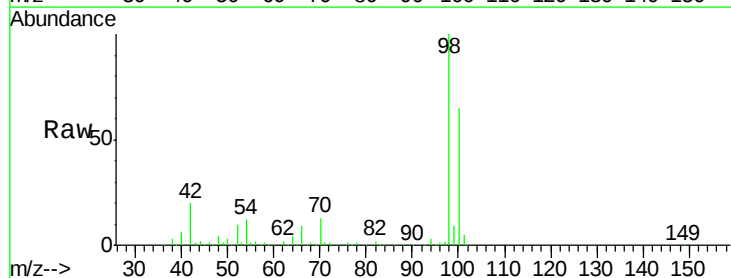
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

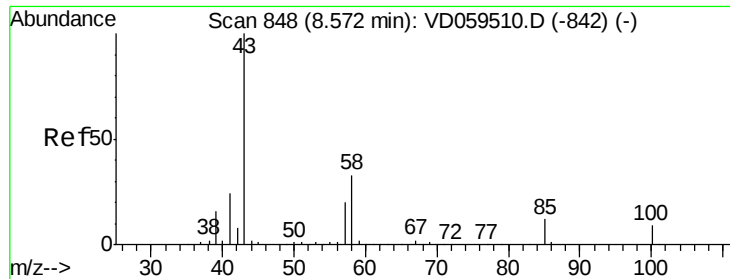
Tot Ion: 88 Resp: 43266
Ion Ratio Lower Upper
88 100
43 51.7 41.4 62.0
58 61.8 49.4 74.2



#50
Toluene-d8
Concen: 1174.99 ug/l
RT: 8.68 min Scan# 859
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 98 Resp: 900129
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 287.58 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

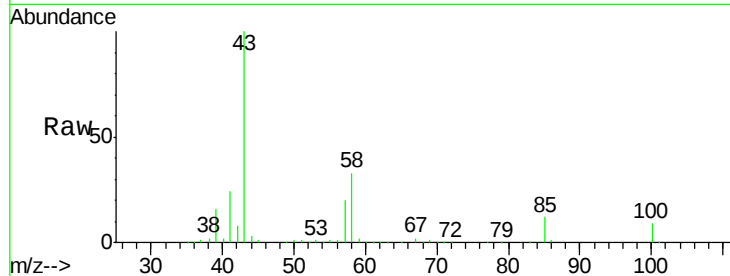
VSTDICCC050

Tot Ion: 43 Resp: 1148787

Ion Ratio Lower Upper

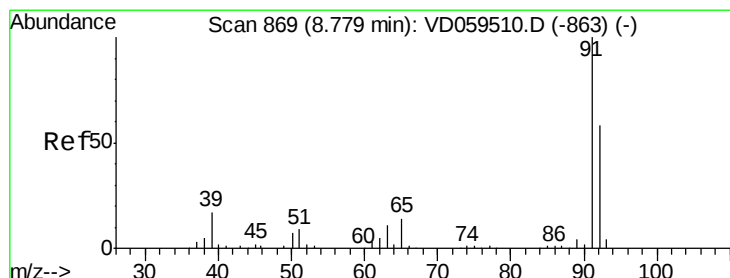
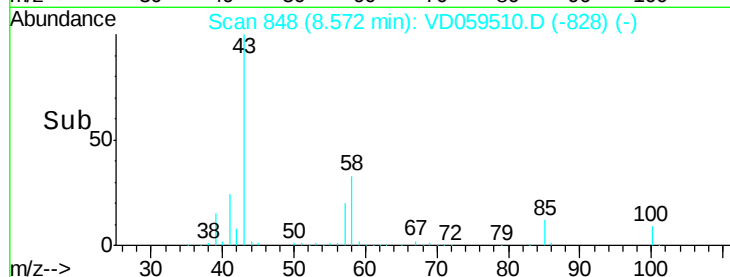
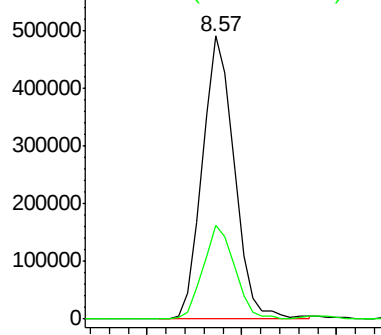
43 100

58 33.4 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: 56.28 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059510.D

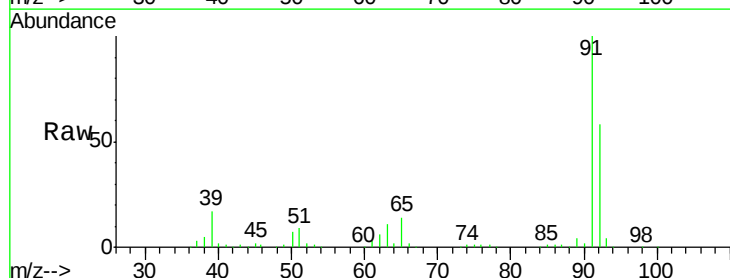
Acq: 2 Jul 2018 18:32

Tgt Ion: 92 Resp: 632492

Ion Ratio Lower Upper

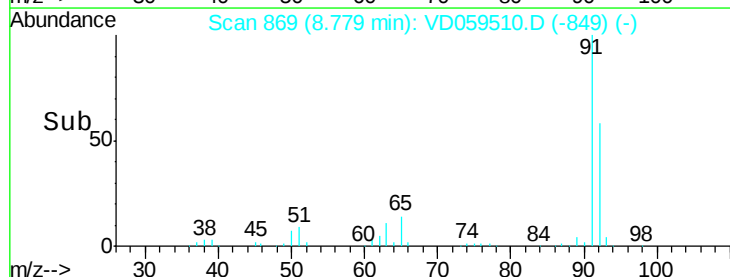
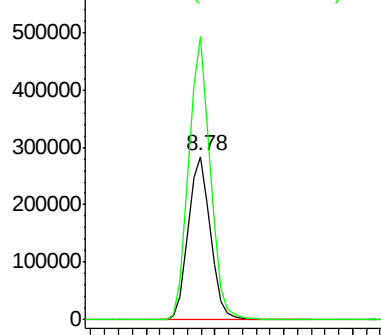
92 100

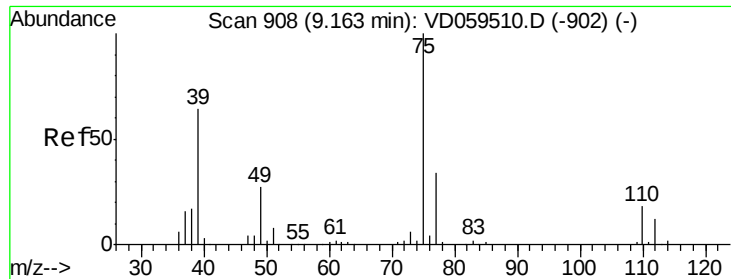
91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

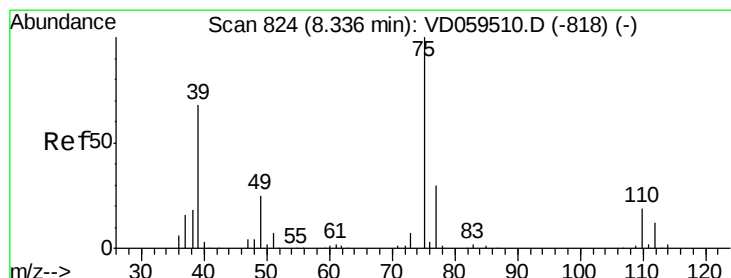
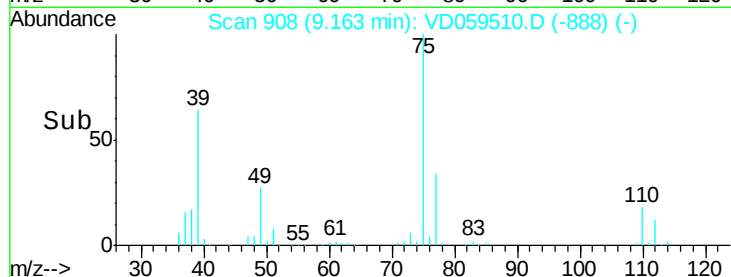
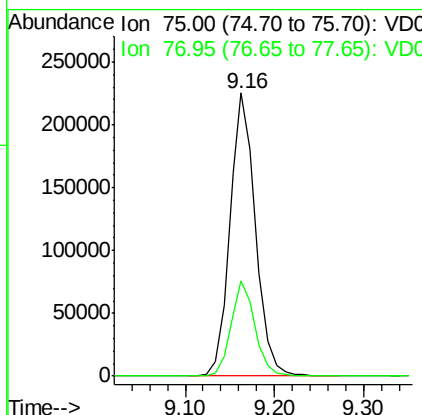
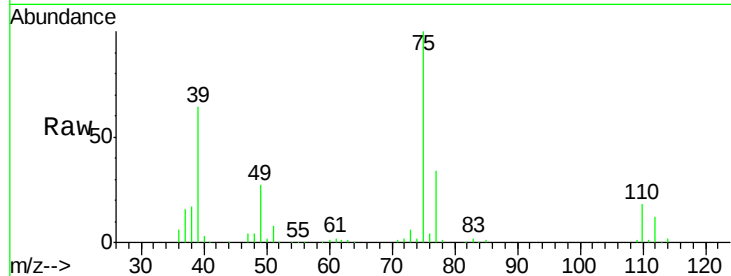




#53
 t-1,3-Dichloropropene
 Concen: 63.37 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

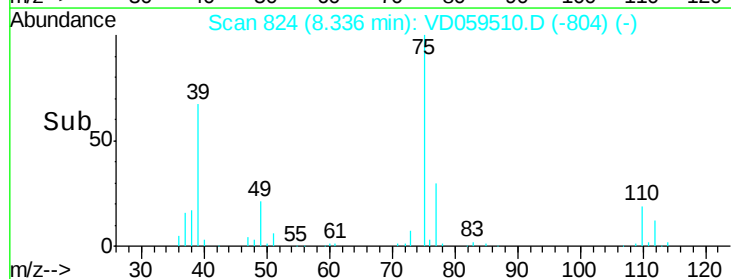
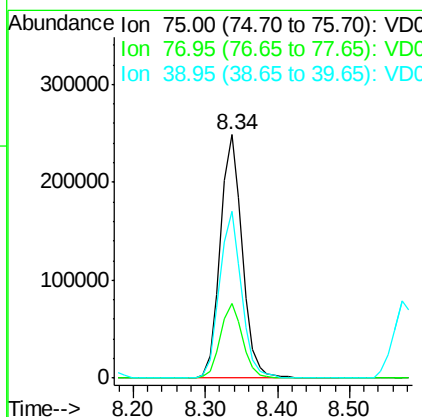
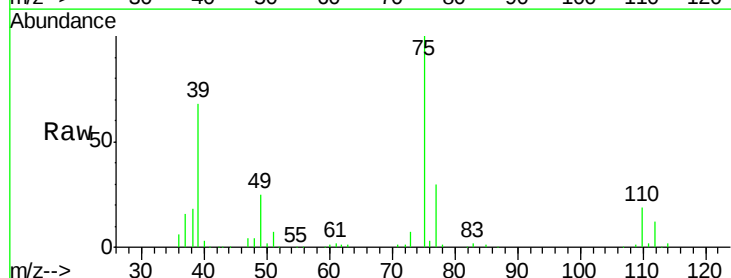
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

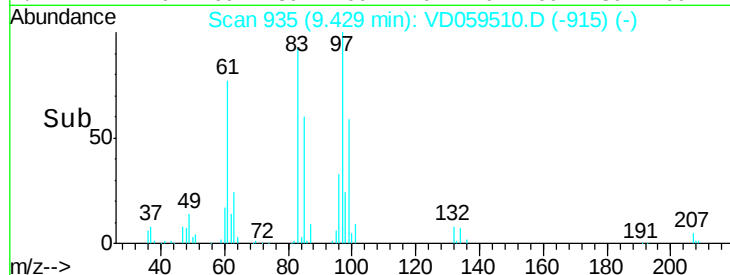
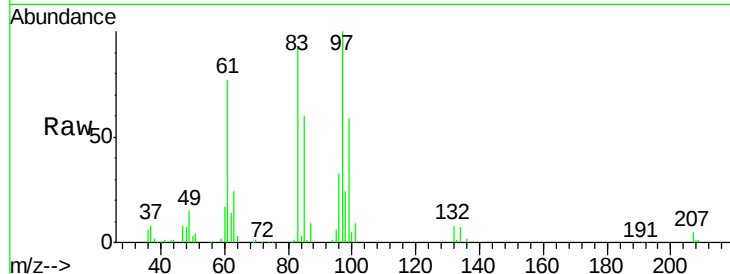
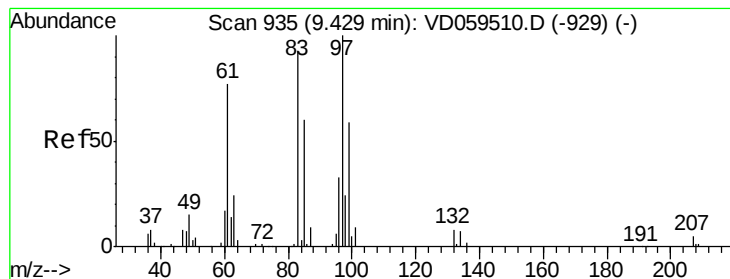
Tot Ion: 75 Resp: 452167
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 62.99 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 75 Resp: 520803
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.4 36.6
 39 68.4 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 54.62 ug/l

RT: 9.43 min Scan# 935

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 220031

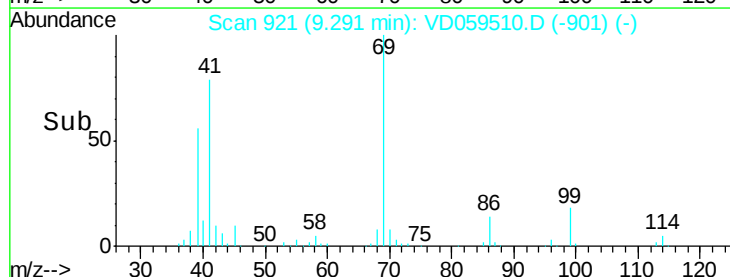
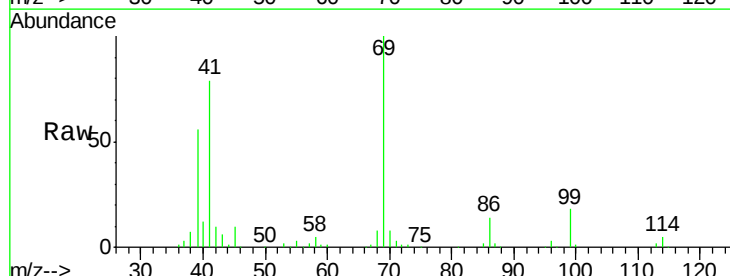
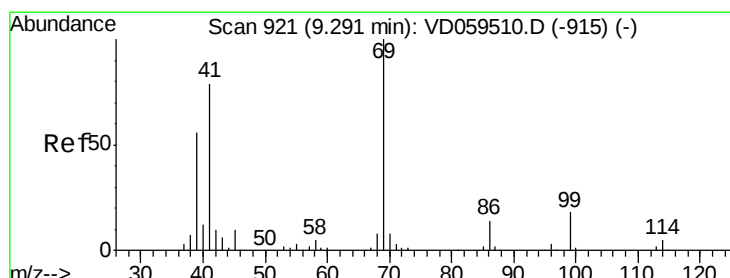
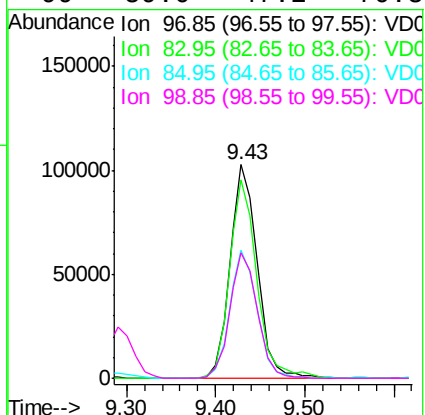
Ion Ratio Lower Upper

97 100

83 92.9 74.3 111.5

85 60.1 48.1 72.1

99 59.0 47.2 70.8



#56

Ethyl methacrylate

Concen: 60.50 ug/l

RT: 9.29 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

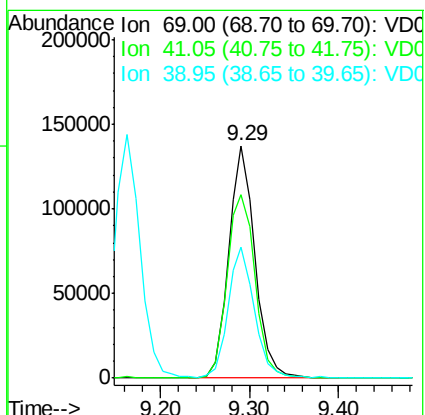
Tgt Ion: 69 Resp: 283290

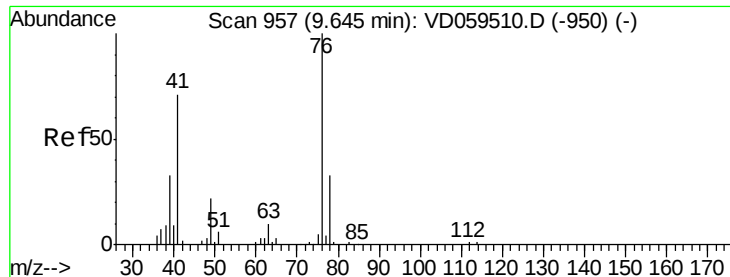
Ion Ratio Lower Upper

69 100

41 79.2 63.4 95.0

39 56.3 45.0 67.6





#57

1,3-Dichloropropane

Concen: 59.83 ug/l

RT: 9.65 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

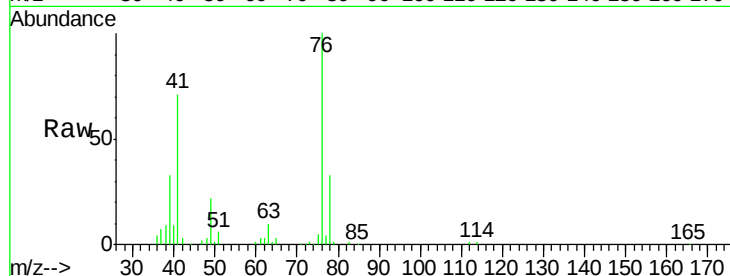
VSTDICCC050

Tot Ion: 76 Resp: 401352

Ion Ratio Lower Upper

76 100

78 33.1 26.5 39.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.65

200000

150000

100000

50000

0

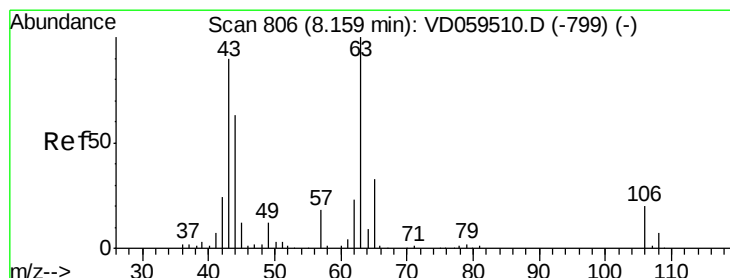
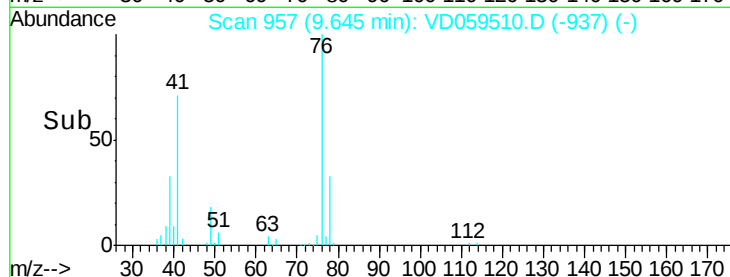
Time-->

9.50

9.60

9.70

9.80



#58

2-Chloroethyl Vinyl ether

Concen: 294.07 ug/l

RT: 8.16 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD059510.D

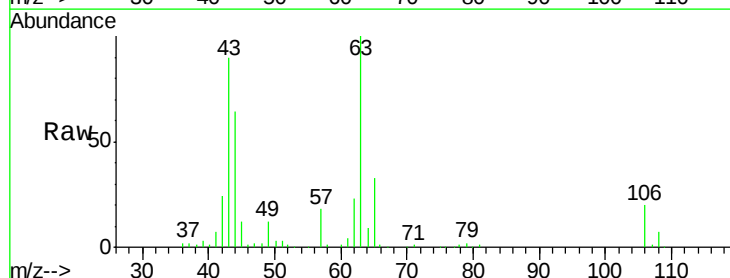
Acq: 2 Jul 2018 18:32

Tgt Ion: 63 Resp: 707950

Ion Ratio Lower Upper

63 100

106 20.5 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.16

300000

200000

100000

0

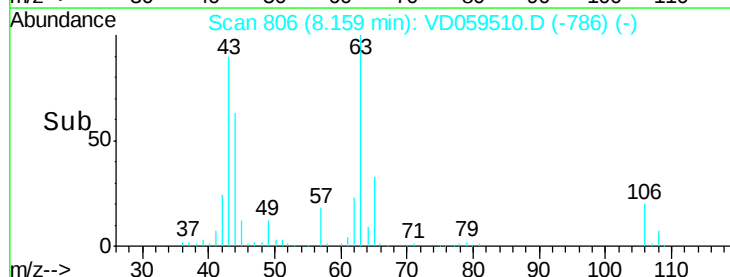
Time-->

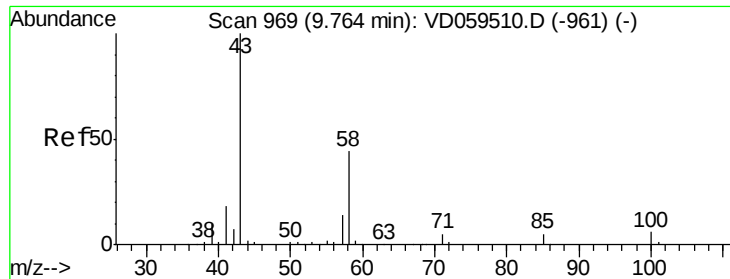
8.00

8.10

8.20

8.30

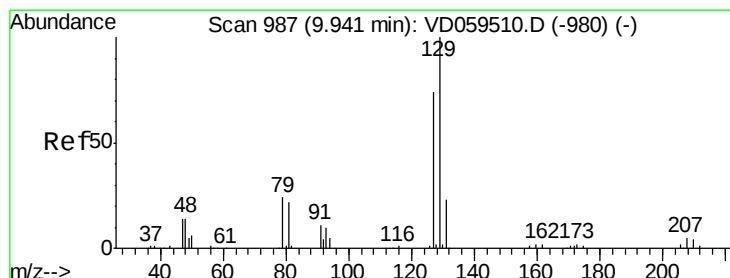
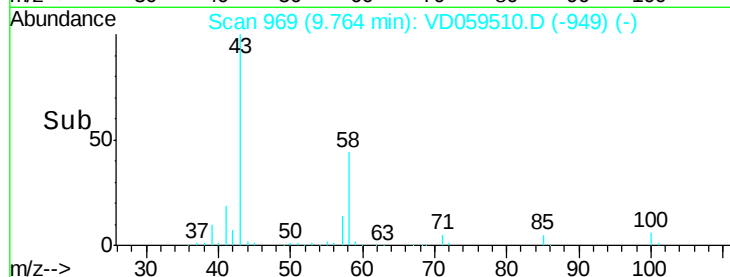
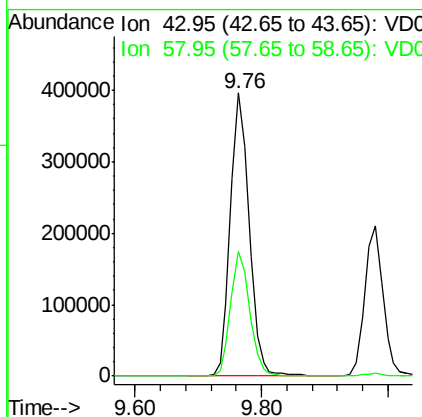
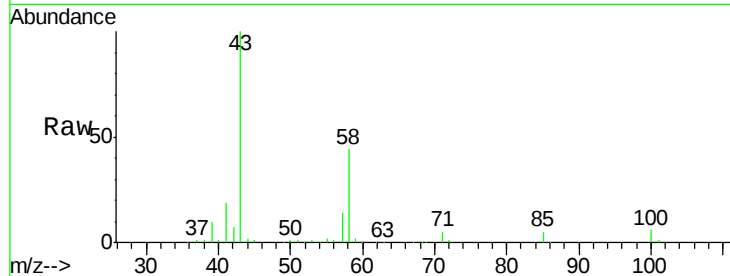




#59
2-Hexanone
Concen: 290.60 ug/l
RT: 9.76 min Scan# 969
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

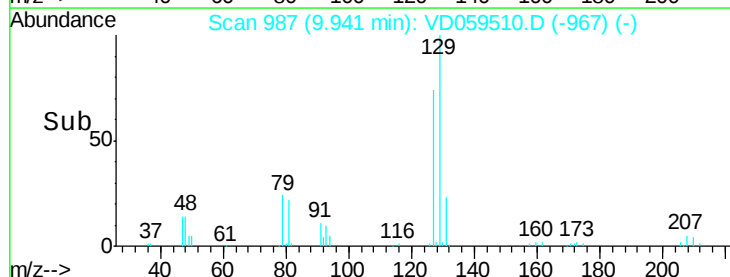
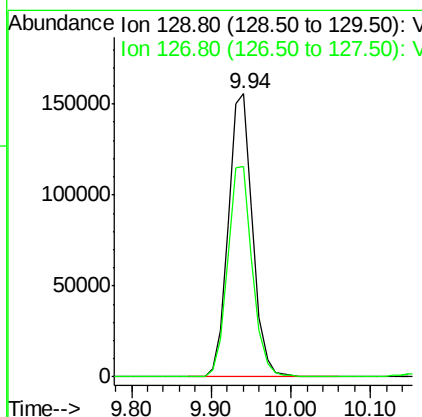
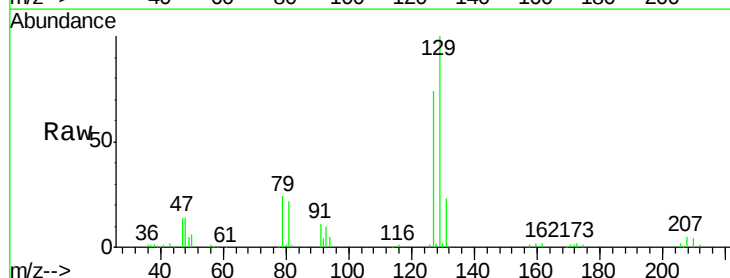
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

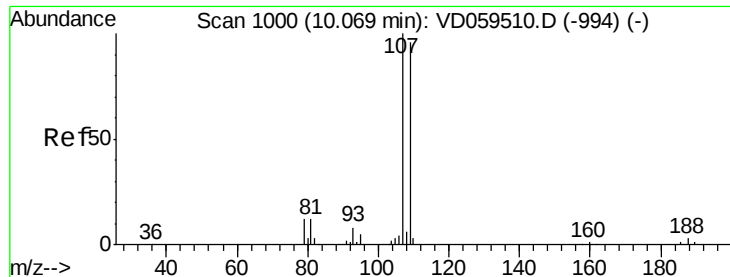
Tot Ion: 43 Resp: 821731
Ion Ratio Lower Upper
43 100
58 44.0 22.0 66.0



#60
Dibromochloromethane
Concen: 58.39 ug/l
RT: 9.94 min Scan# 987
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 129 Resp: 332109
Ion Ratio Lower Upper
129 100
127 74.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 56.63 ug/l

RT: 10.07 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

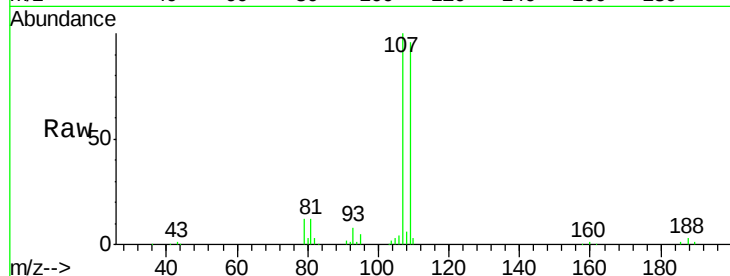
VSTDICCC050

Tot Ion:107 Resp: 256414

Ion Ratio Lower Upper

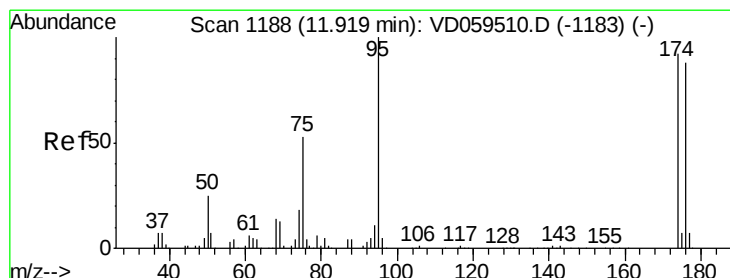
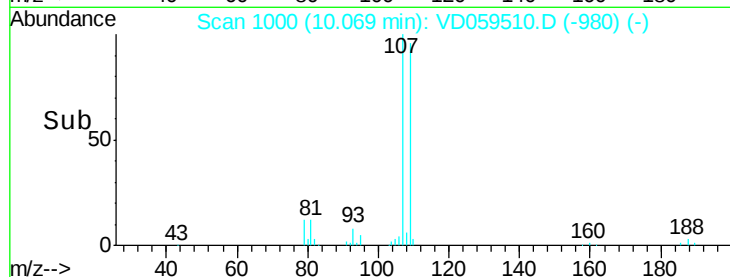
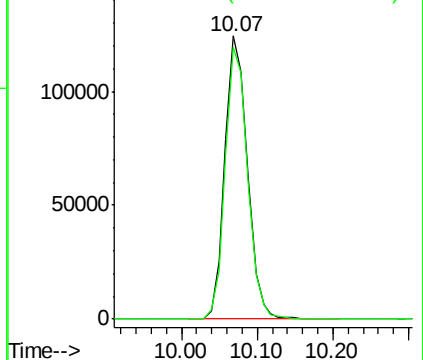
107 100

109 96.0 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: 56.63 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

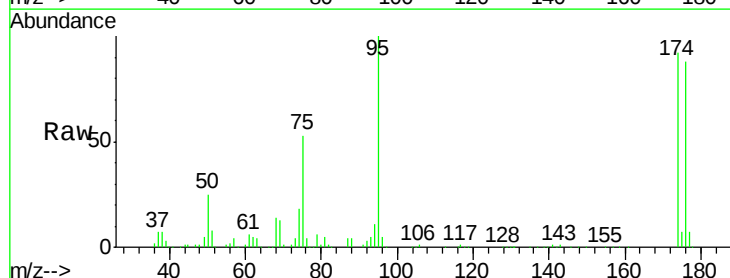
Tgt Ion: 95 Resp: 363209

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.0

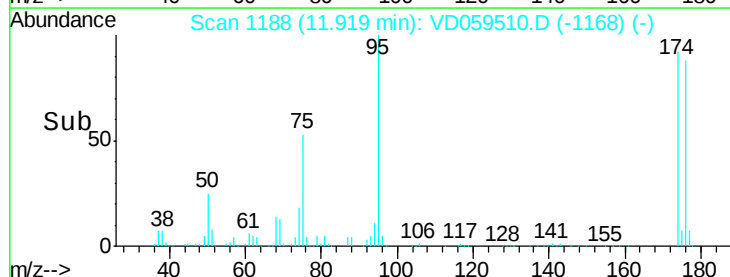
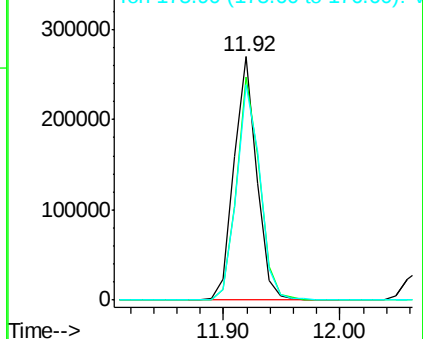
176 88.3 0.0 176.6

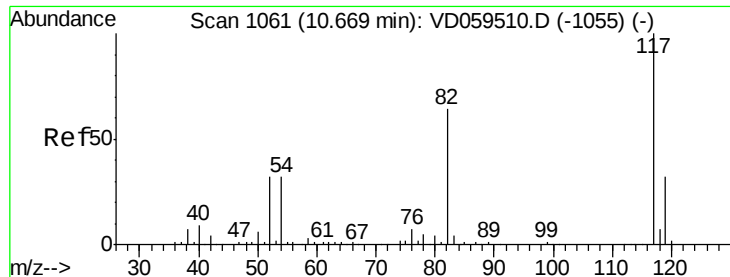


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

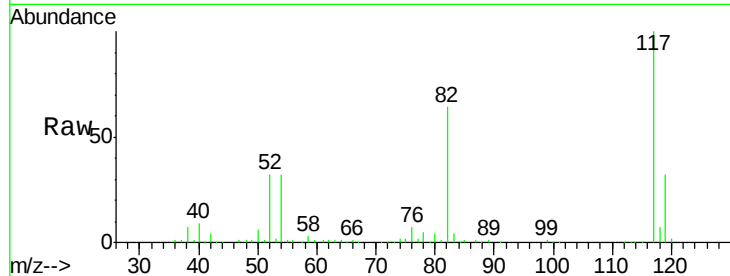




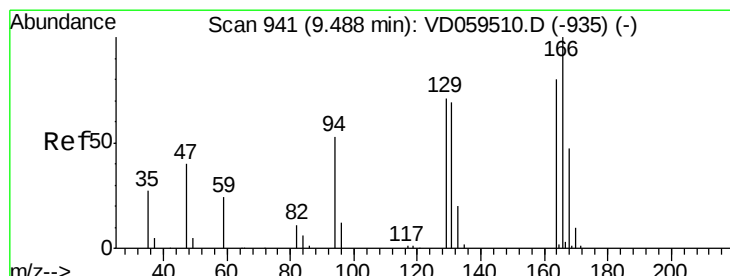
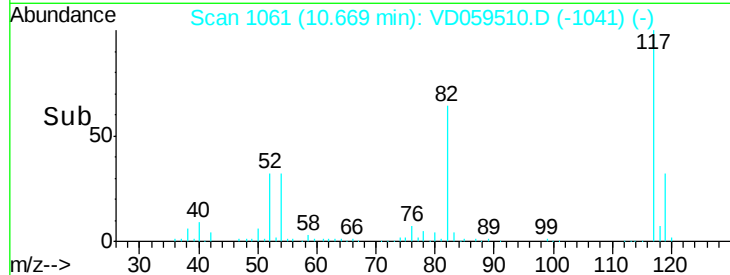
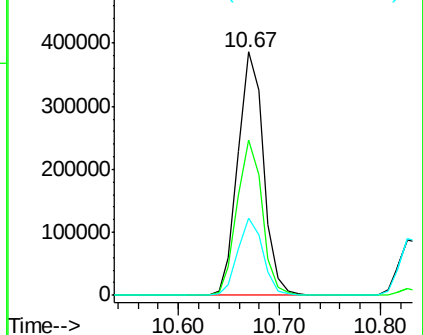
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 684872
Ion Ratio Lower Upper
117 100
82 63.9 51.1 76.7
119 32.0 25.6 38.4



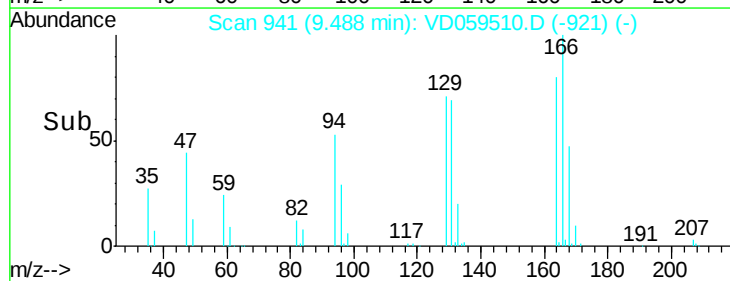
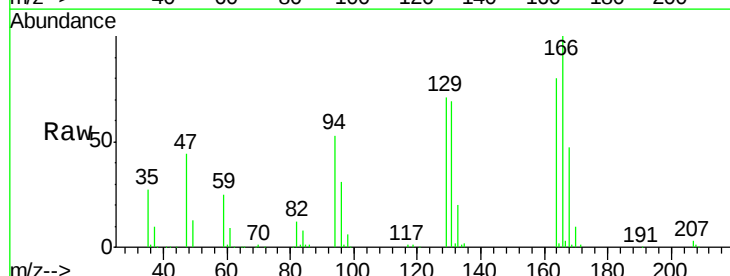
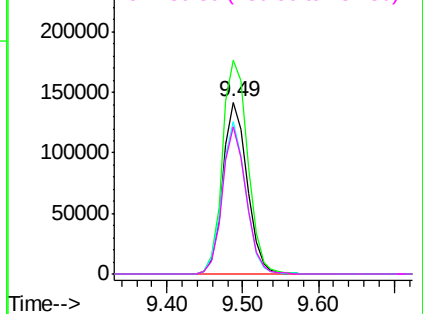
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

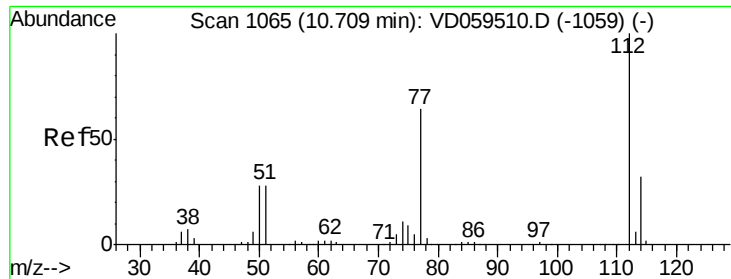


#64
Tetrachloroethene
Concen: 51.53 ug/l
RT: 9.49 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion:164 Resp: 315532
Ion Ratio Lower Upper
164 100
166 124.4 99.5 149.3
129 88.6 70.9 106.3
131 86.0 68.8 103.2

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

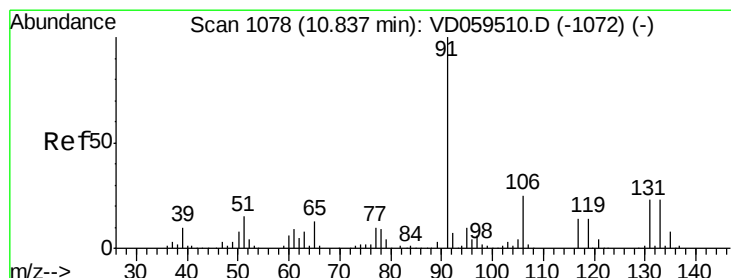
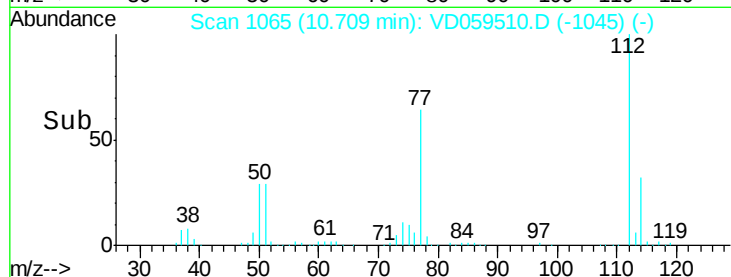
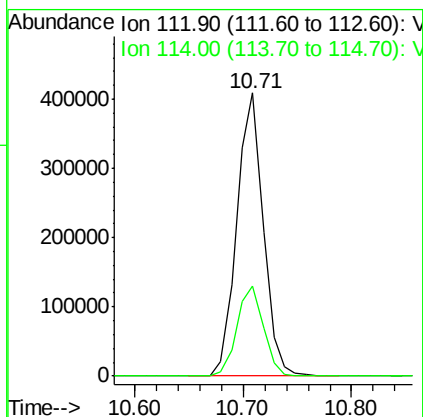
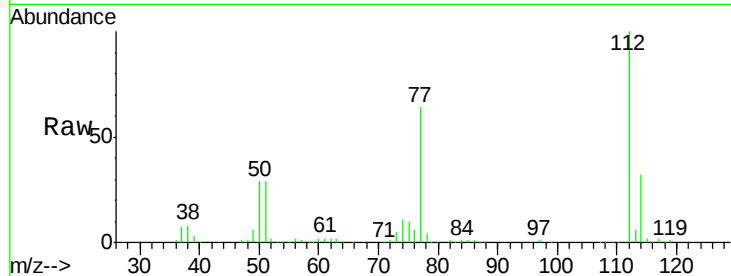




#65
Chlorobenzene
Concen: 54.04 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

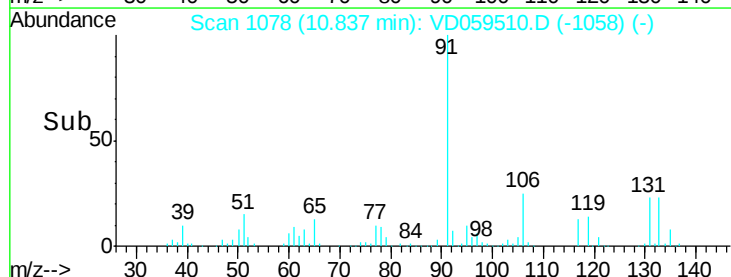
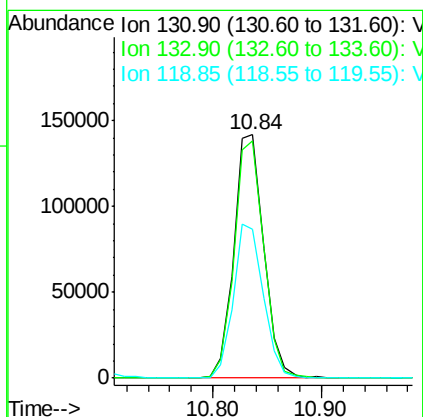
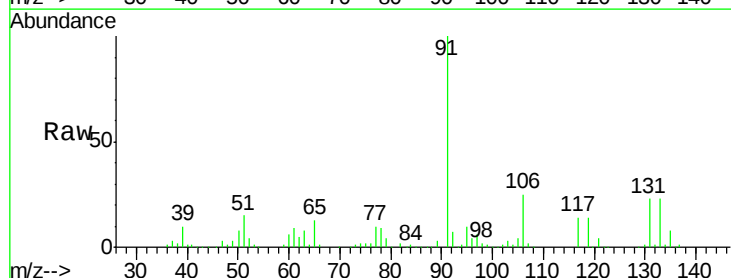
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

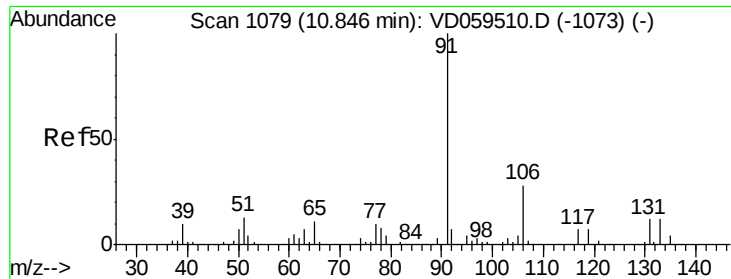
Tot Ion:112 Resp: 695877
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.86 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion:131 Resp: 271924
Ion Ratio Lower Upper
131 100
133 97.7 48.9 146.6
119 61.4 30.7 92.1

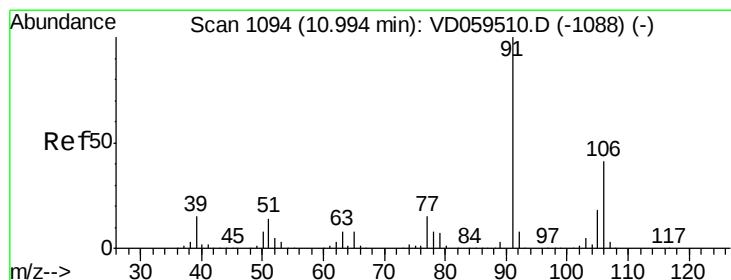
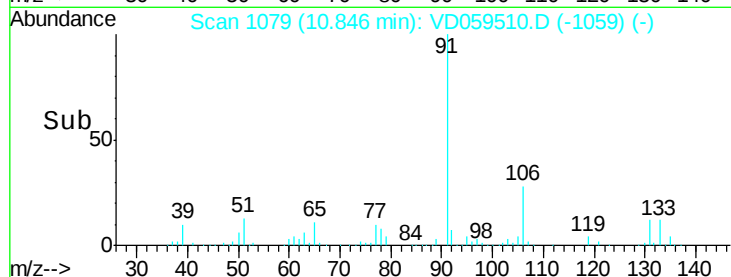
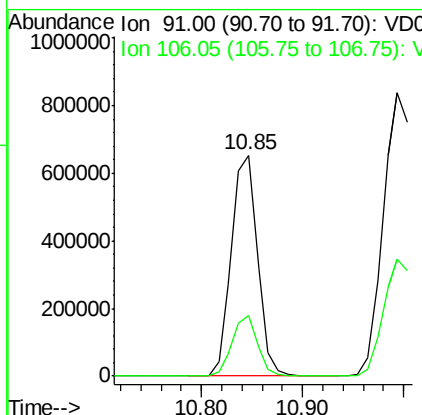
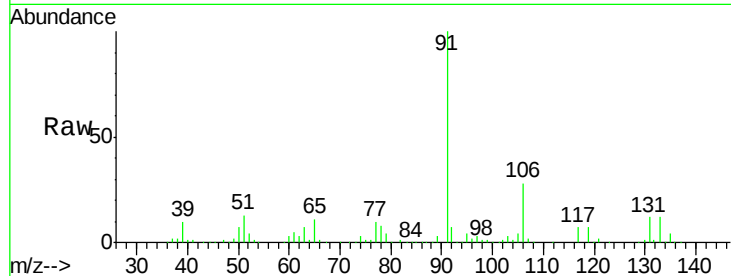




#67
Ethyl Benzene
Concen: 54.61 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

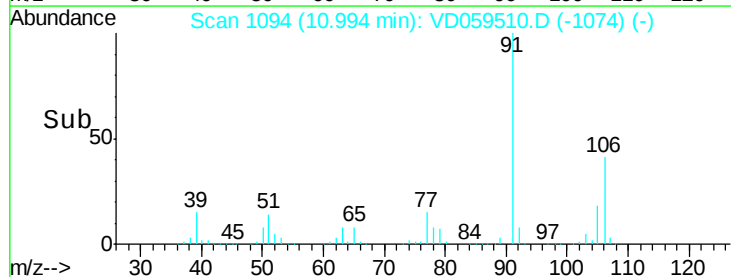
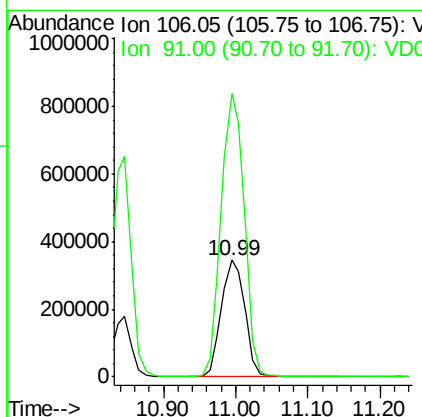
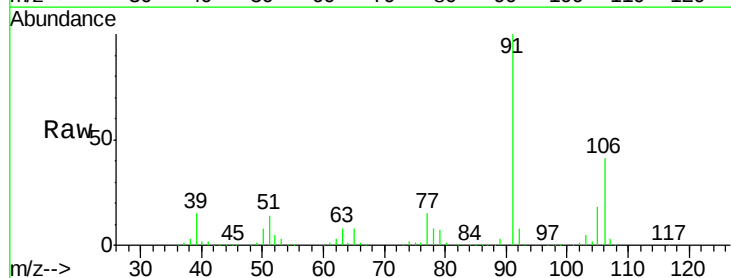
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

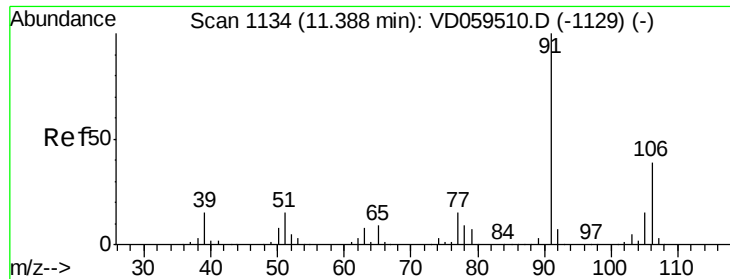
Tot Ion: 91 Resp: 1179312
Ion Ratio Lower Upper
91 100
106 27.7 22.2 33.2



#68
m/p-Xylenes
Concen: 108.01 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 106 Resp: 778990
Ion Ratio Lower Upper
106 100
91 242.6 194.1 291.1

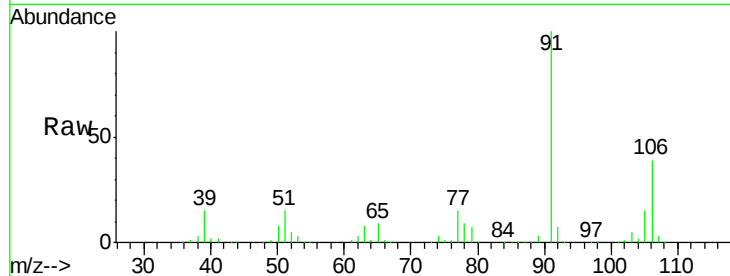




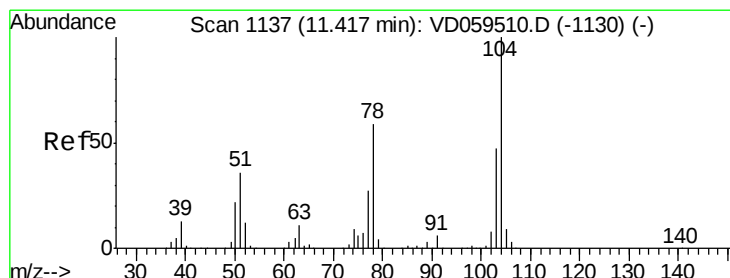
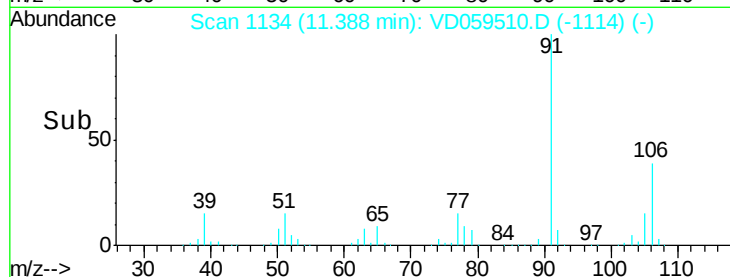
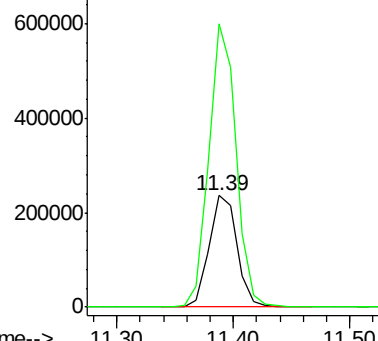
#69
o-Xylene
Concen: 55.32 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 392555
Ion Ratio Lower Upper
106 100
91 254.0 127.0 381.0

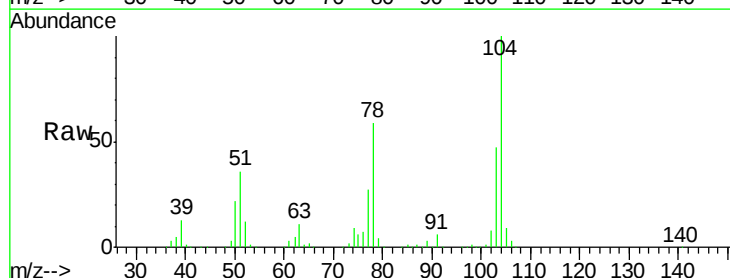


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

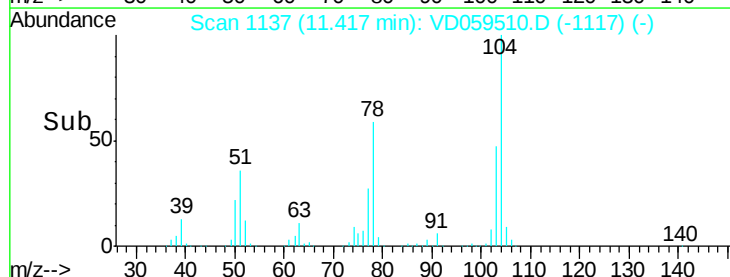
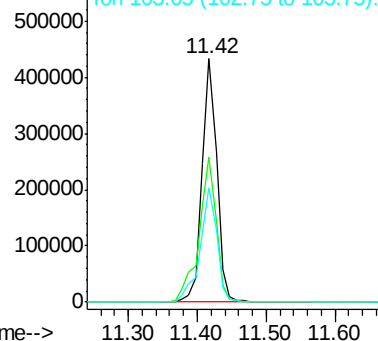


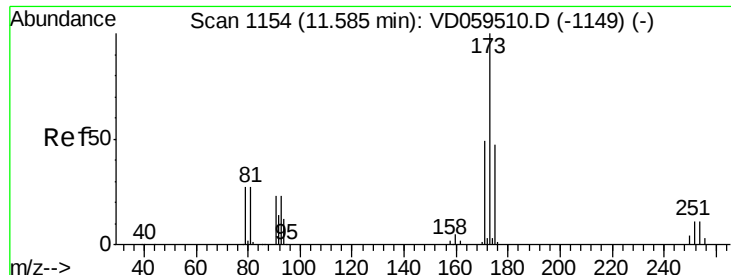
#70
Styrene
Concen: 53.42 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion:104 Resp: 644275
Ion Ratio Lower Upper
104 100
78 59.5 47.6 71.4
103 47.0 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

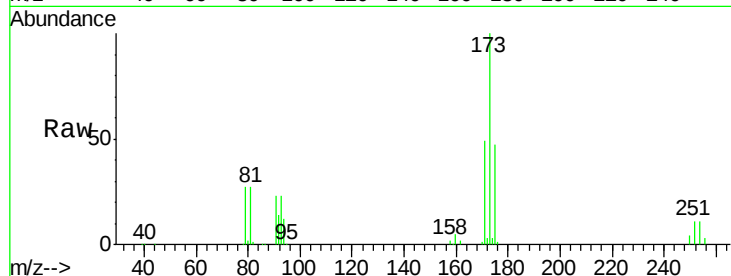




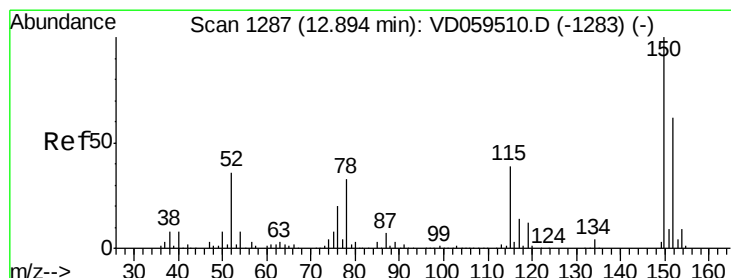
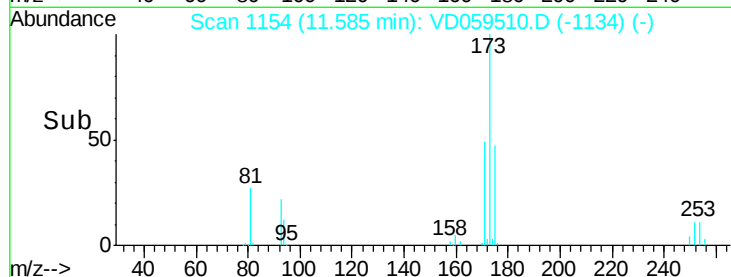
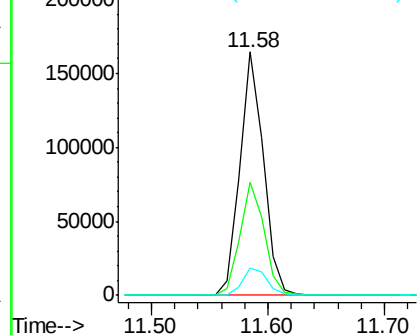
#71
Bromoform
Concen: 57.01 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:173 Resp: 230836
Ion Ratio Lower Upper
173 100
175 46.5 23.3 69.8
254 11.3 9.0 13.6

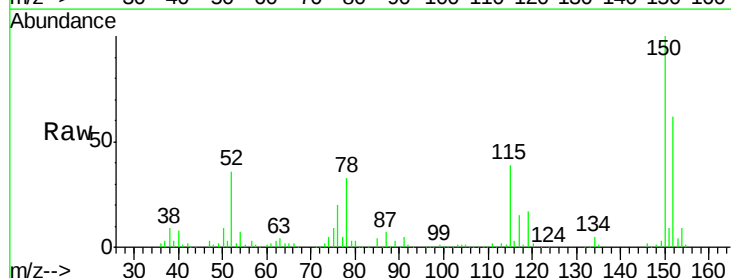


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

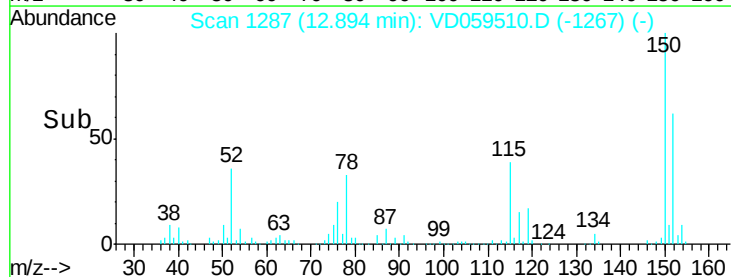
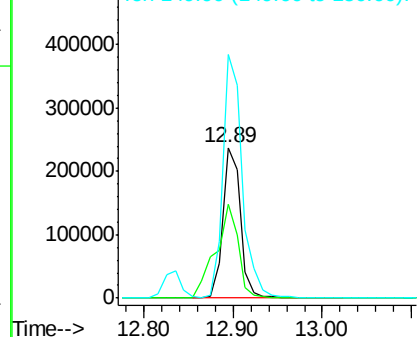


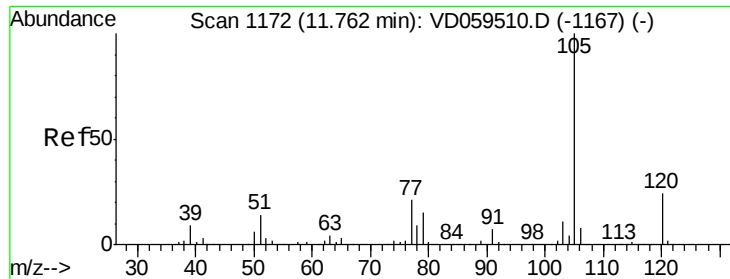
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion:152 Resp: 330050
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.9
150 161.8 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: 57.19 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

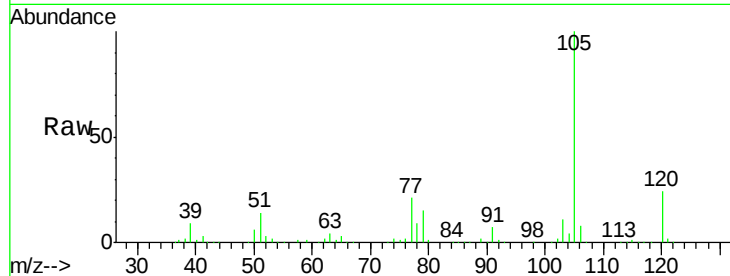
VSTDICCC050

Tot Ion:105 Resp: 1101389

Ion Ratio Lower Upper

105 100

120 24.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.76

800000

600000

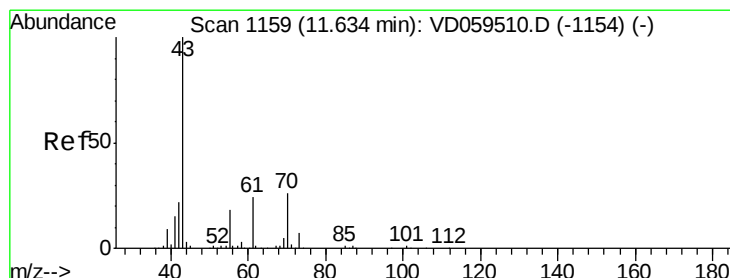
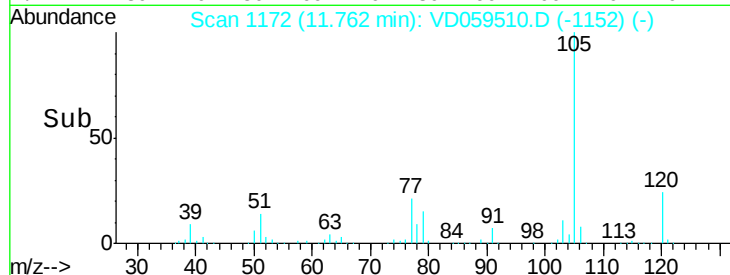
400000

200000

0

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 63.23 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Tgt Ion: 43 Resp: 473404

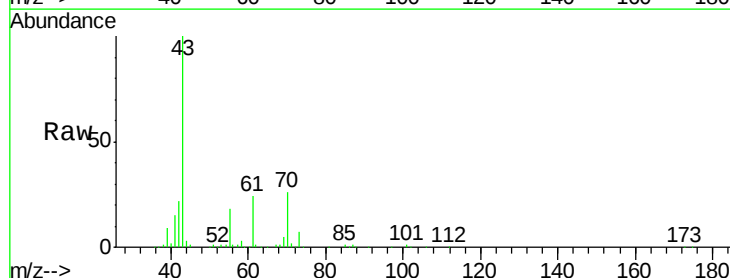
Ion Ratio Lower Upper

43 100

70 25.8 20.6 31.0

55 18.0 14.4 21.6

61 24.0 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

500000

400000

300000

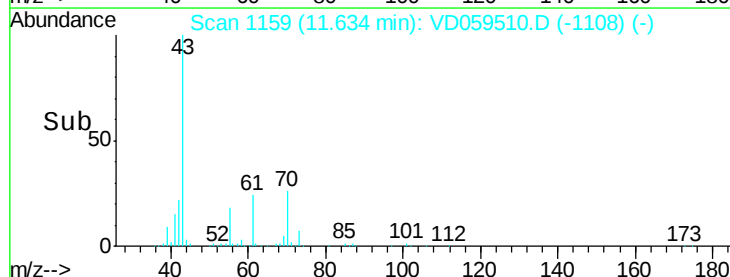
200000

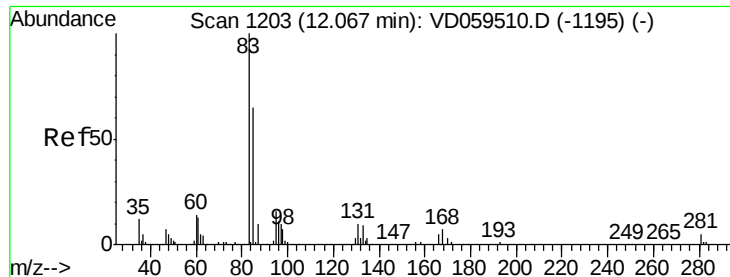
100000

0

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 62.01 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

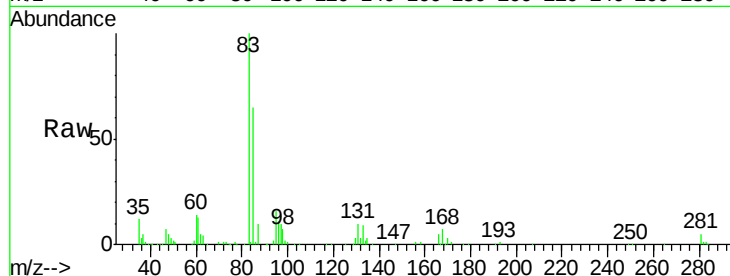
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 285646

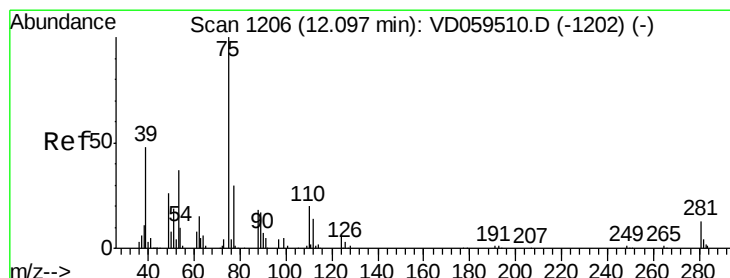
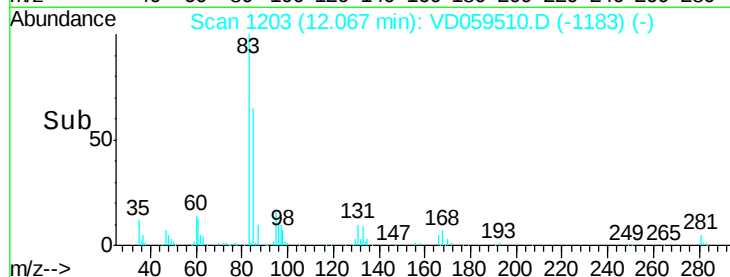
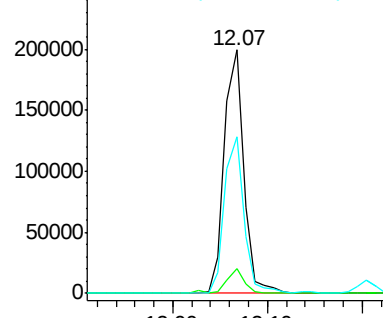
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.5	32.3	96.8



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: 61.49 ug/l

RT: 12.10 min Scan# 1206

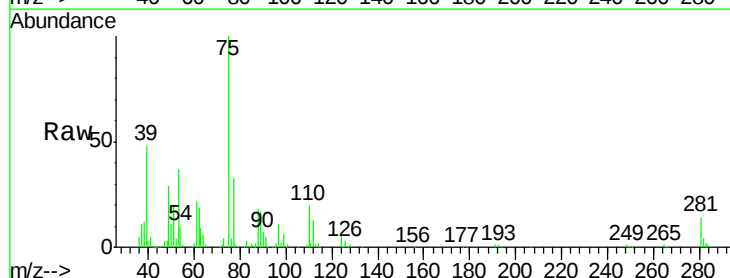
Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

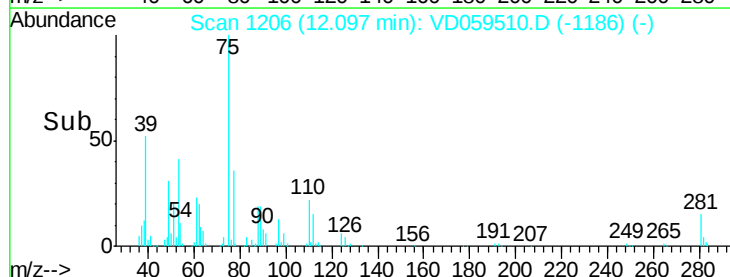
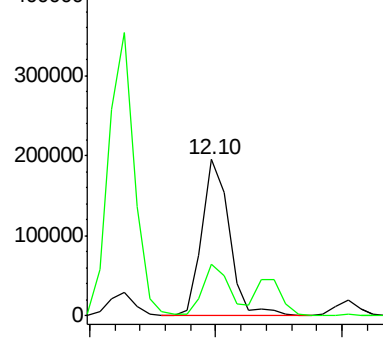
Tgt Ion: 75 Resp: 293548

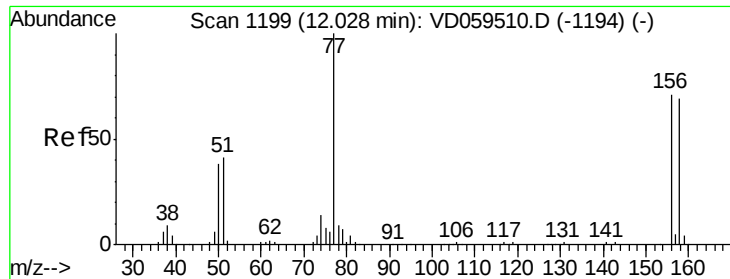
Ion	Ratio	Lower	Upper
75	100		
77	32.8	16.4	49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.48 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

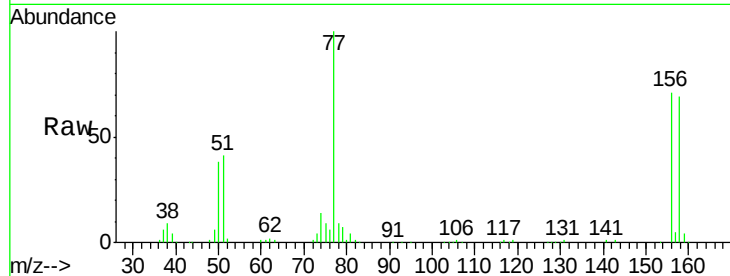
Tot Ion:156 Resp: 340906

Ion Ratio Lower Upper

156 100

77 140.0 70.0 210.0

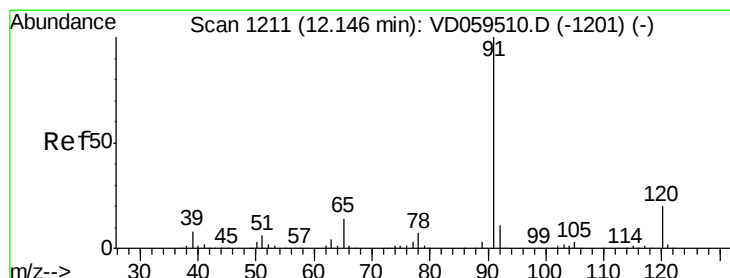
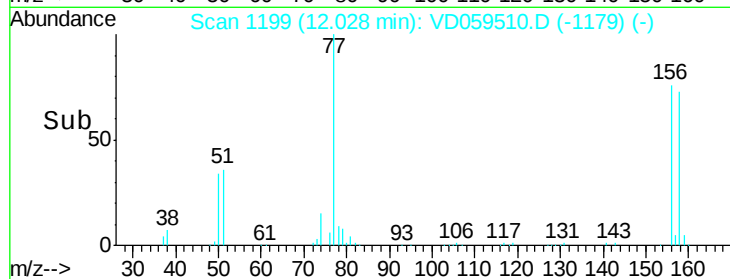
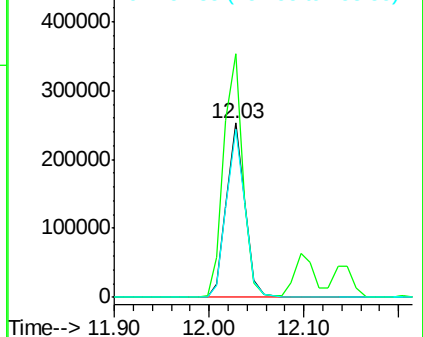
158 96.6 48.3 144.9



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: 59.74 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059510.D

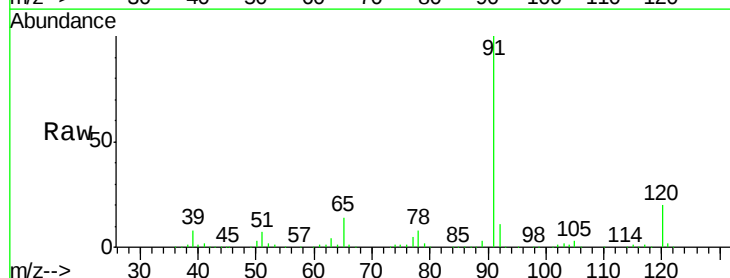
Acq: 2 Jul 2018 18:32

Tgt Ion: 91 Resp: 1475919

Ion Ratio Lower Upper

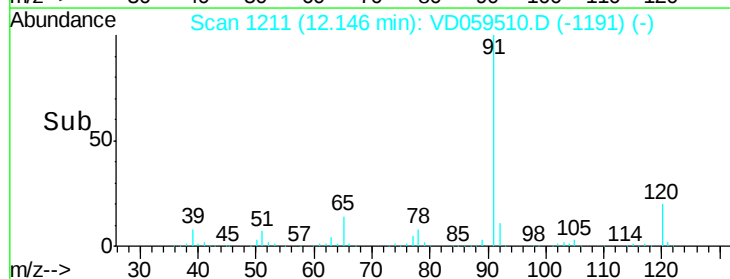
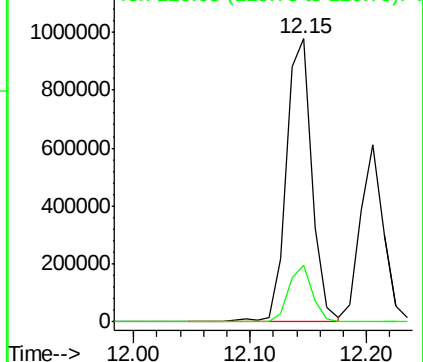
91 100

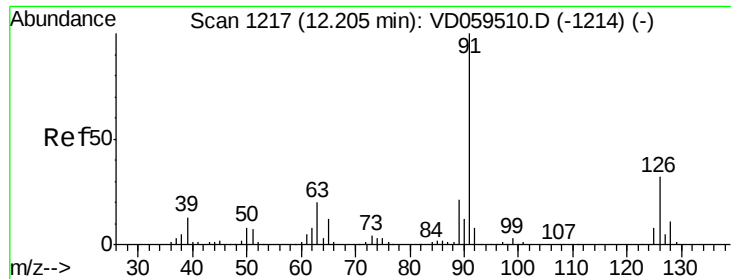
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

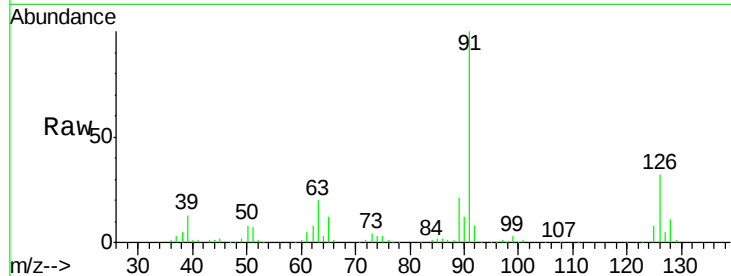




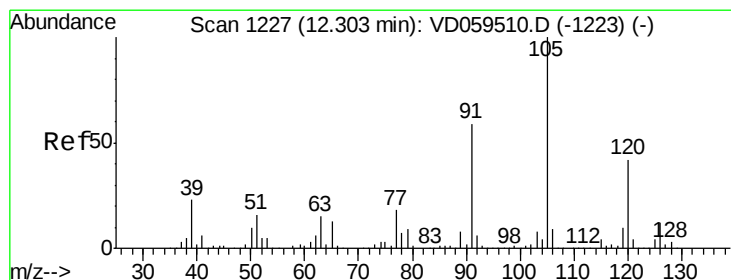
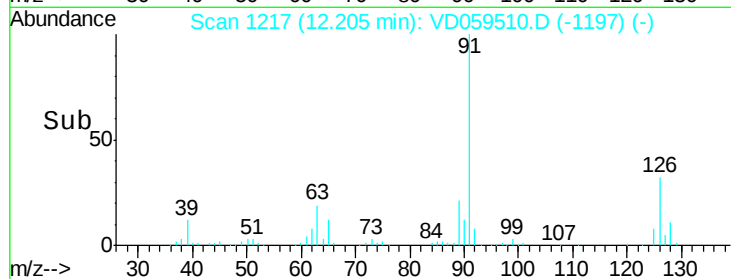
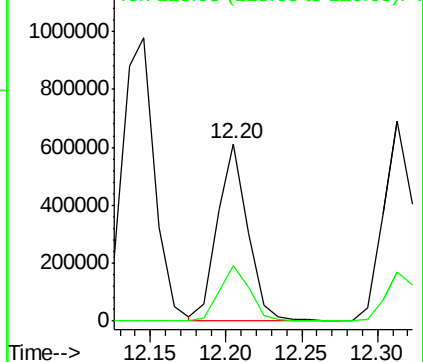
#79
 2-Chlorotoluene
 Concen: 58.68 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 846040
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.6

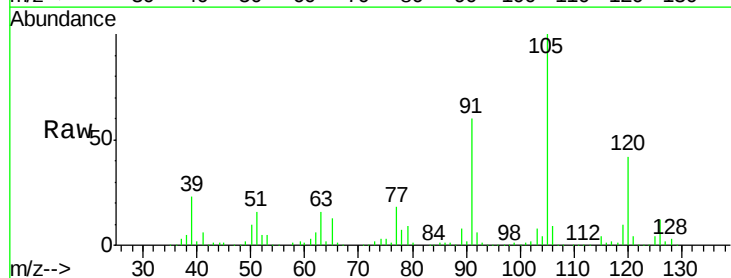


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

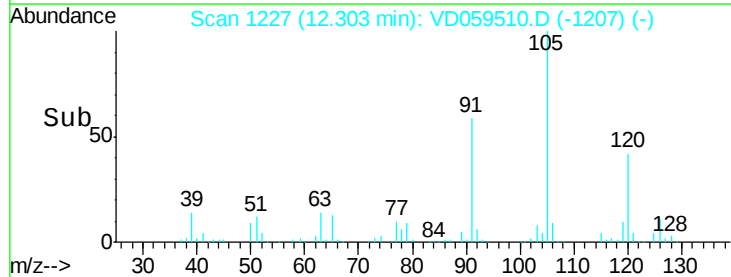
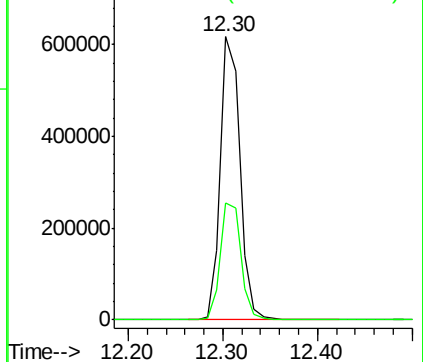


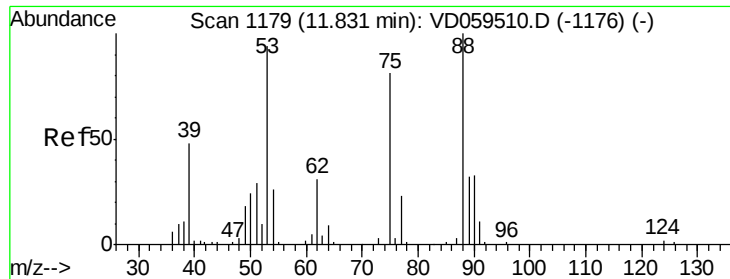
#80
 1,3,5-Trimethylbenzene
 Concen: 57.40 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 105 Resp: 886660
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.8 62.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 70.59 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059510.D

Acq: 2 Jul 2018 18:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

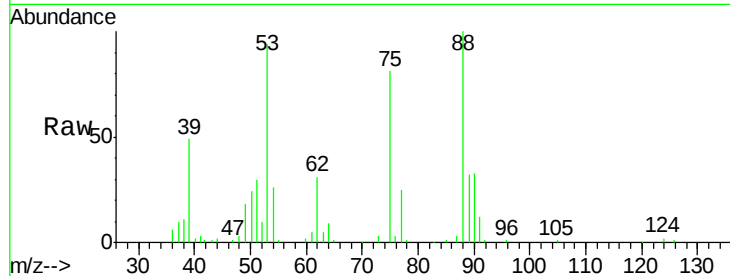
Tot Ion: 75 Resp: 78438

Ion Ratio Lower Upper

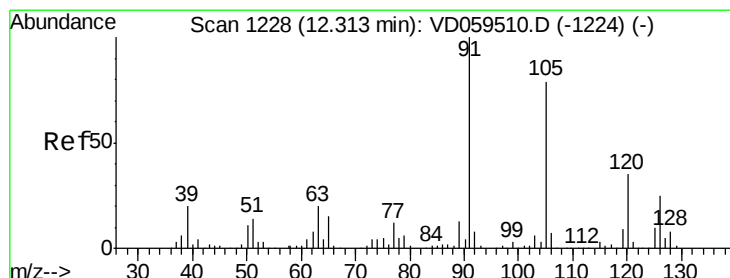
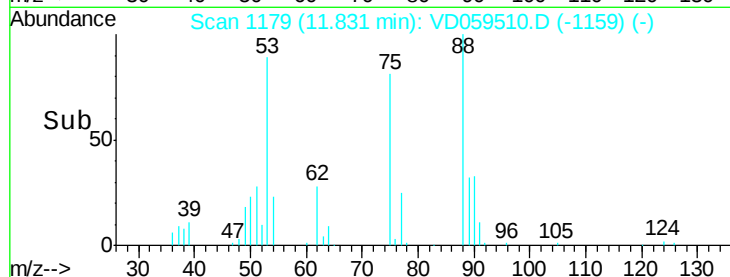
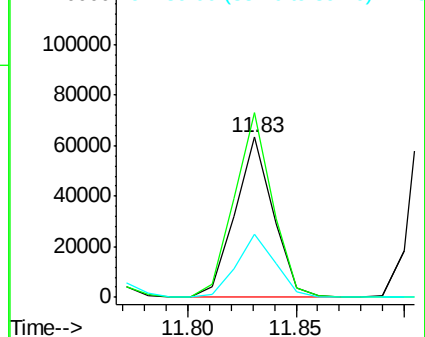
75 100

53 115.8 92.6 139.0

89 39.4 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: 57.89 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VD059510.D

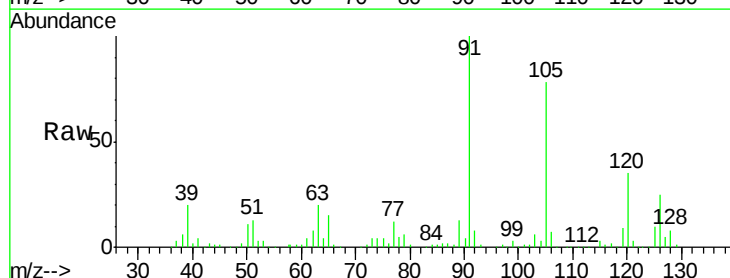
Acq: 2 Jul 2018 18:32

Tgt Ion: 91 Resp: 954905

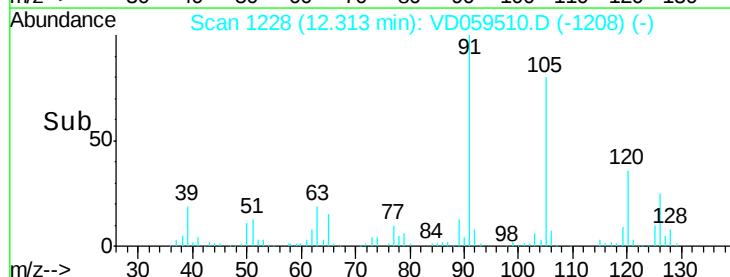
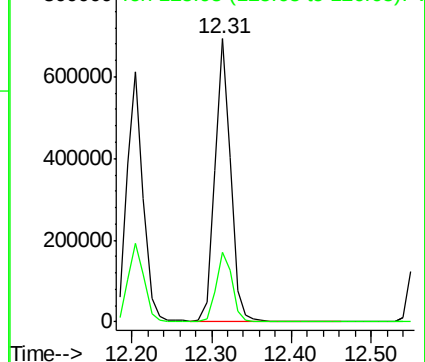
Ion Ratio Lower Upper

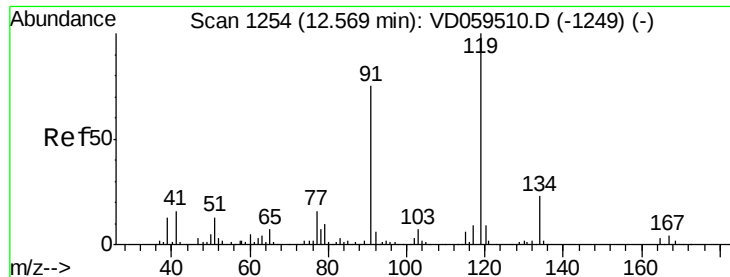
91 100

126 24.6 12.3 36.9



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

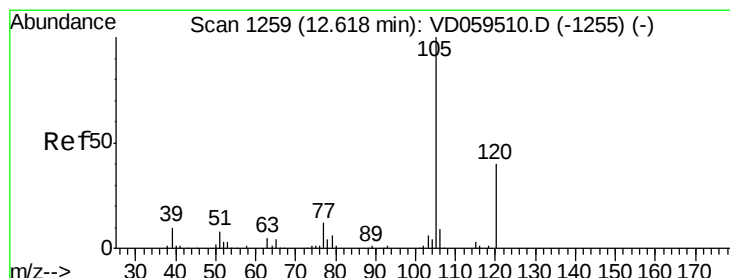
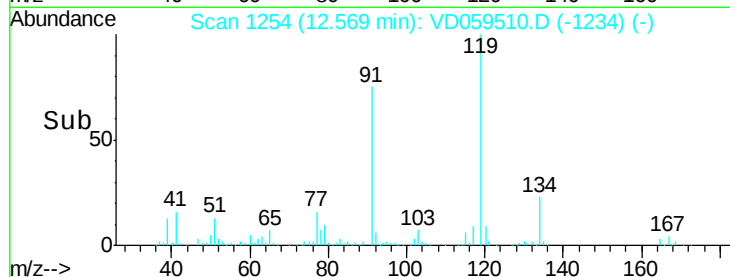
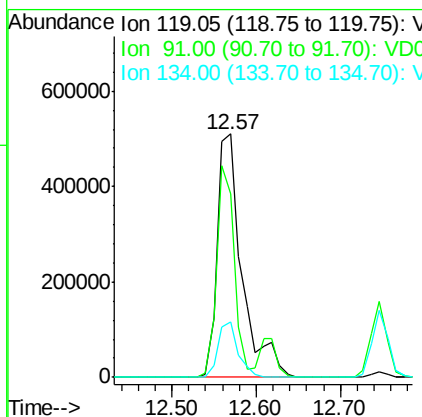
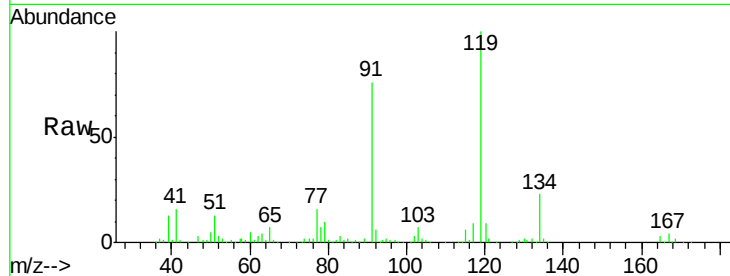




#83
 tert-Butylbenzene
 Concen: 62.87 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

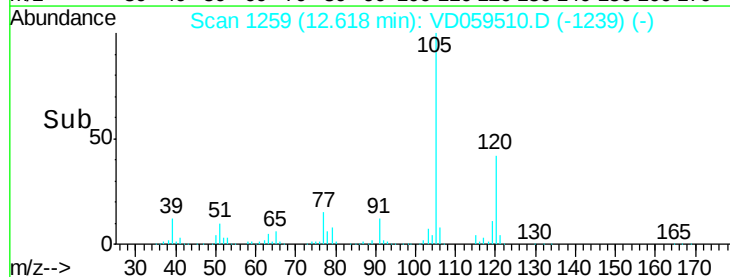
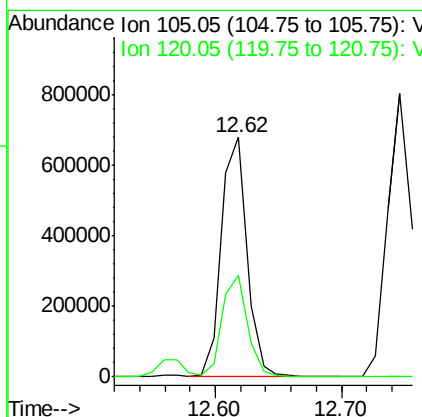
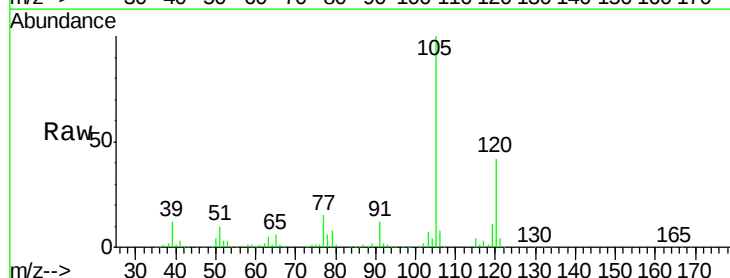
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

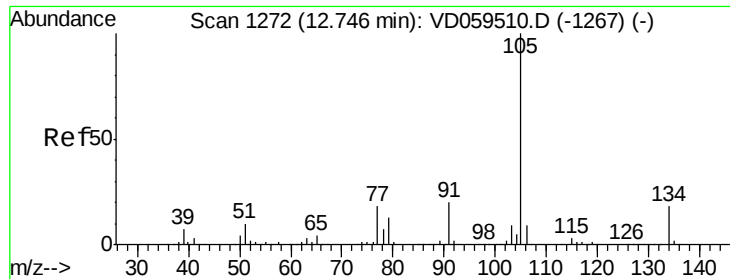
Tot Ion:119 Resp: 1044876
 Ion Ratio Lower Upper
 119 100
 91 75.5 37.8 113.3
 134 22.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 58.47 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion:105 Resp: 952051
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.1 63.3

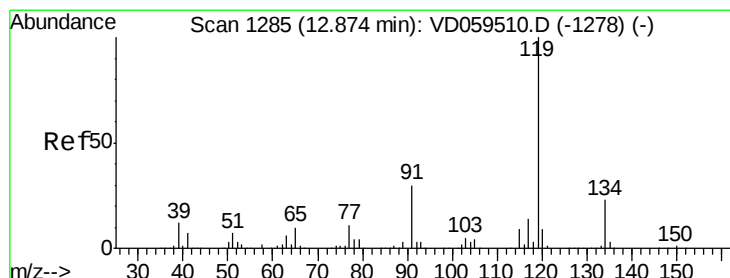
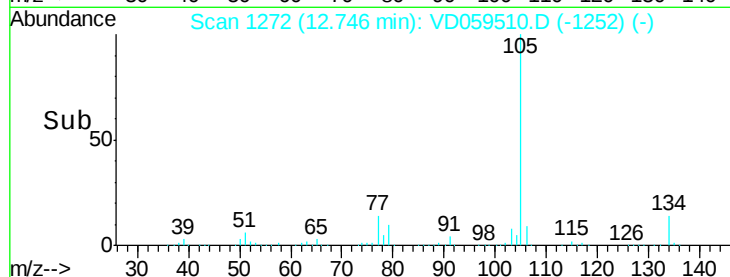
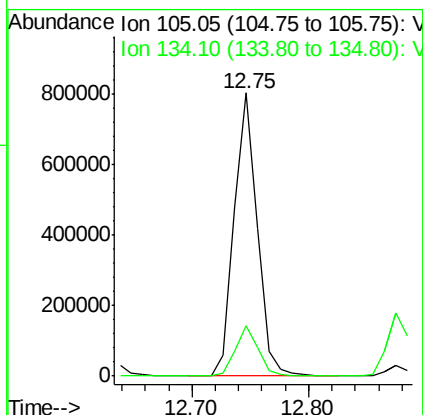
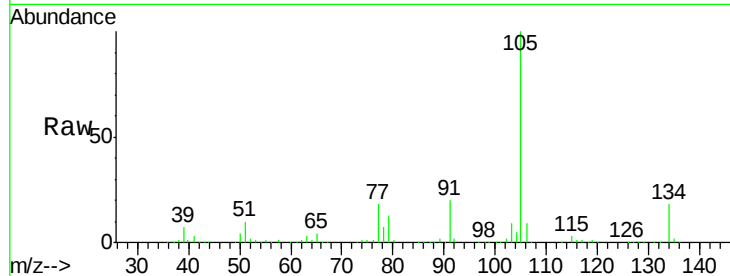




#85
 sec-Butylbenzene
 Concen: 55.43 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

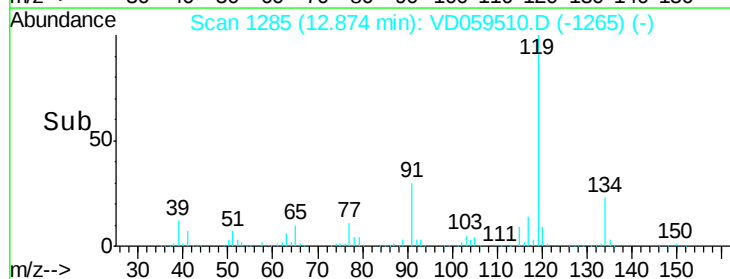
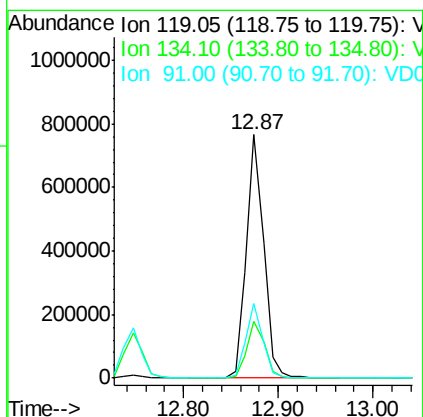
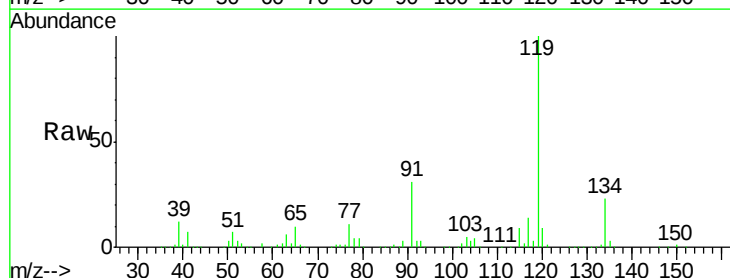
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

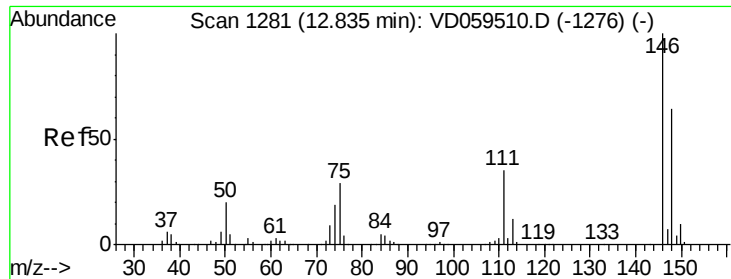
Tot Ion:105 Resp: 1096081
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.8 26.4



#86
 p-Isopropyltoluene
 Concen: 59.48 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion:119 Resp: 968621
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.6 34.8
 91 30.5 15.3 45.8

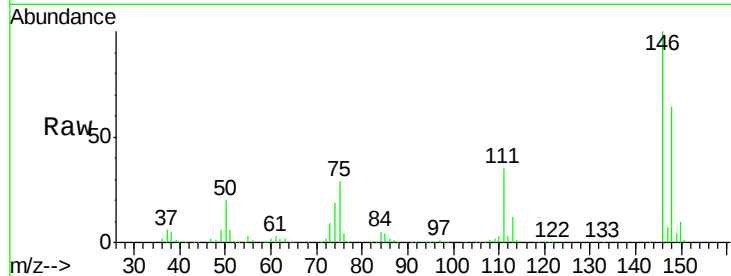




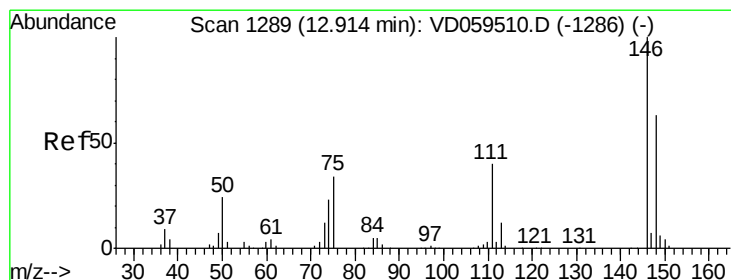
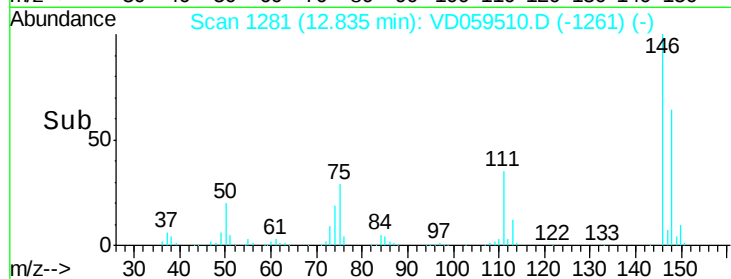
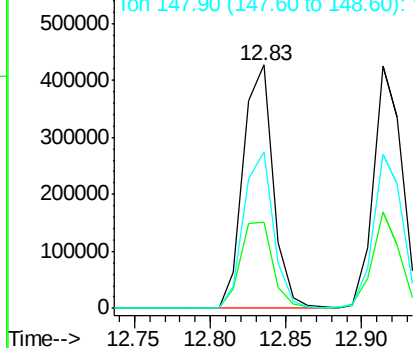
#87
 1,3-Dichlorobenzene
 Concen: 58.63 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 589364
 Ion Ratio Lower Upper
 146 100
 111 35.3 17.6 52.9
 148 64.1 32.0 96.2

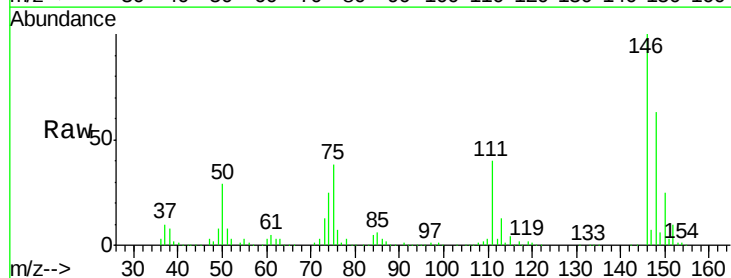


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

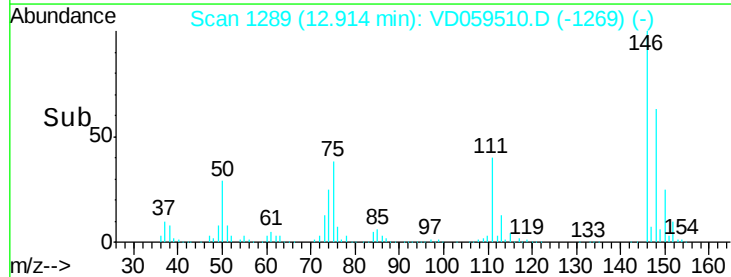
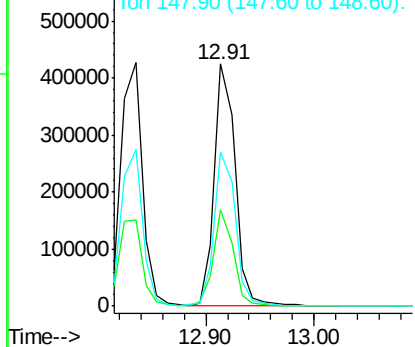


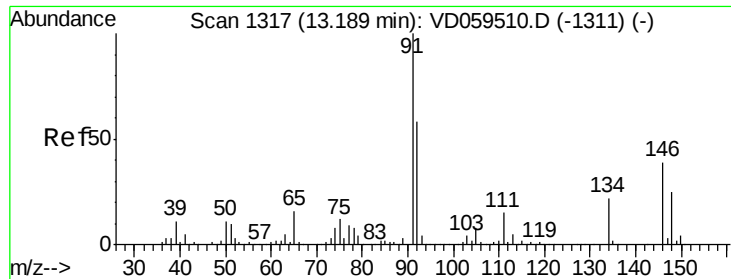
#88
 1,4-Dichlorobenzene
 Concen: 57.62 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion:146 Resp: 570066
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 63.4 31.7 95.1



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

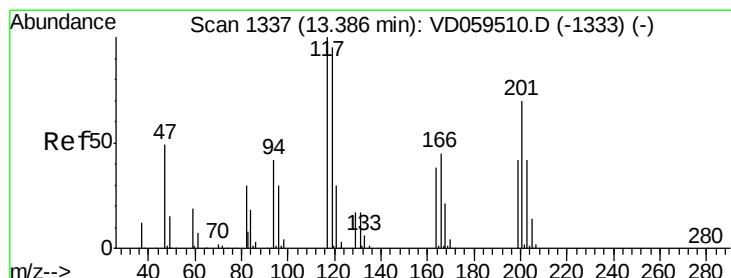
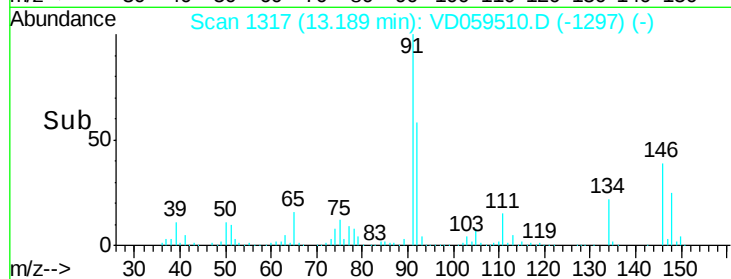
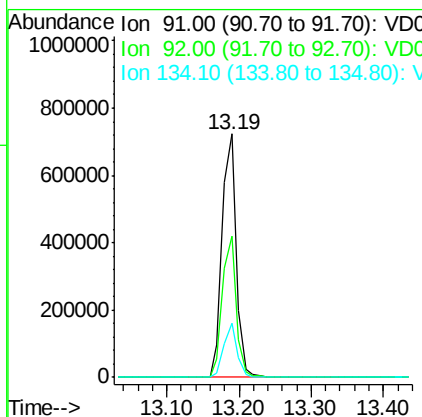
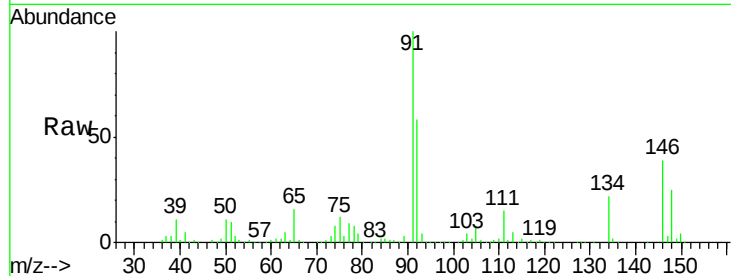




#89
n-Butylbenzene
Concen: 59.85 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

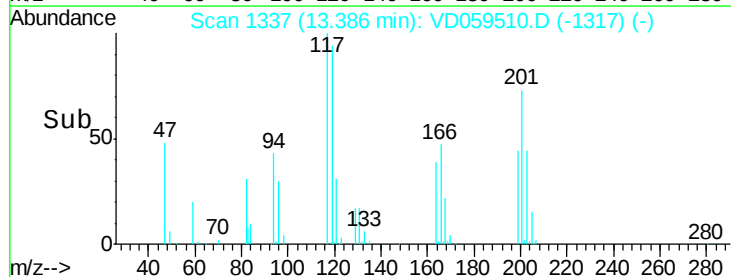
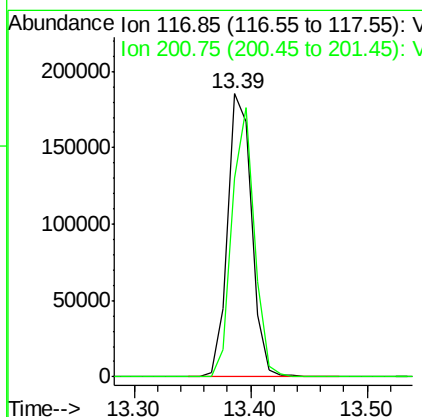
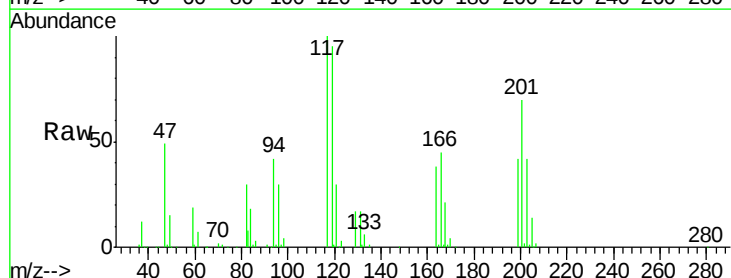
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

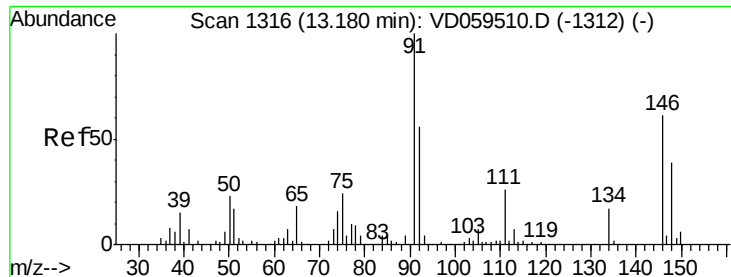
Tot Ion: 91 Resp: 972012
Ion Ratio Lower Upper
91 100
92 57.8 28.9 86.7
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 64.83 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion: 117 Resp: 265069
Ion Ratio Lower Upper
117 100
201 70.4 35.2 105.6

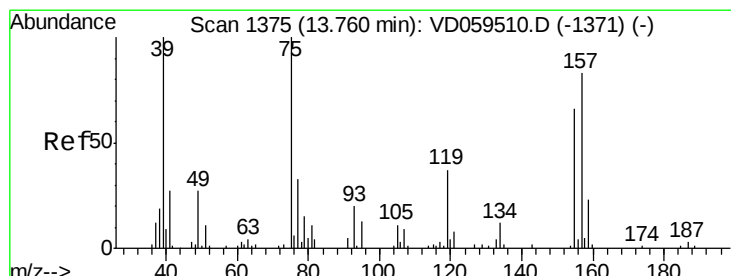
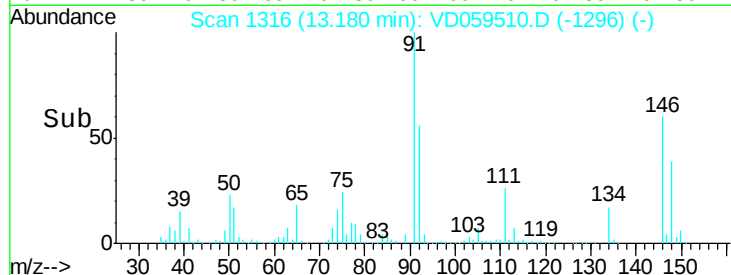
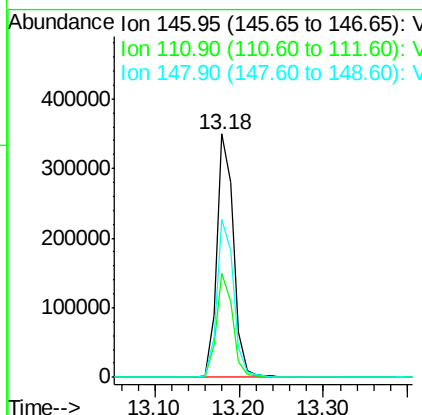
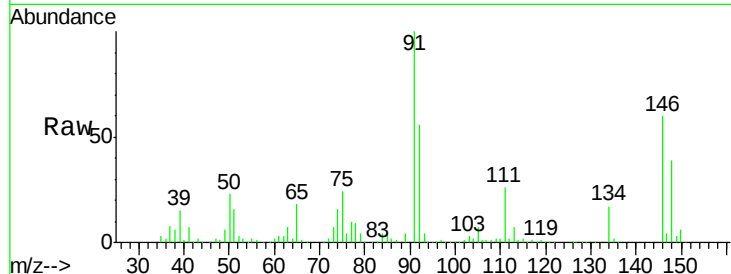




#91
 1,2-Dichlorobenzene
 Concen: 56.33 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

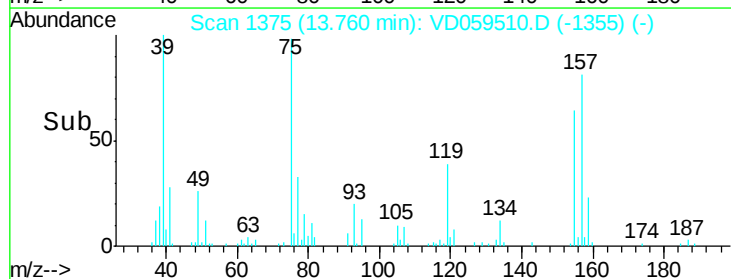
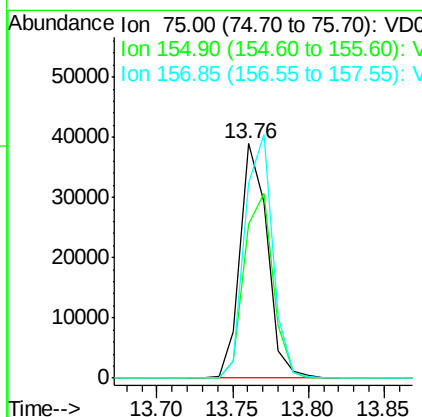
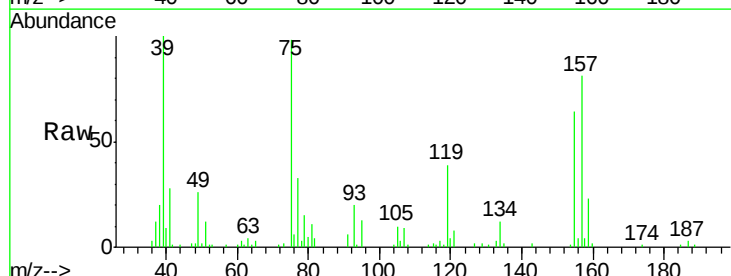
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

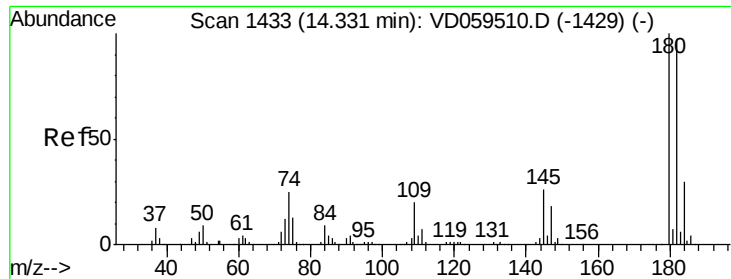
Tot Ion:146 Resp: 480089
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.3 63.9
 148 64.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.29 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion: 75 Resp: 48635
 Ion Ratio Lower Upper
 75 100
 155 65.6 32.8 98.4
 157 83.0 41.5 124.5

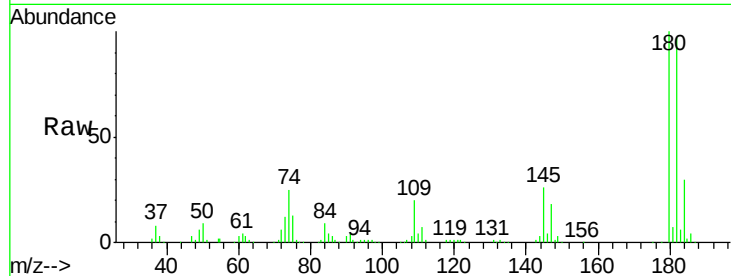




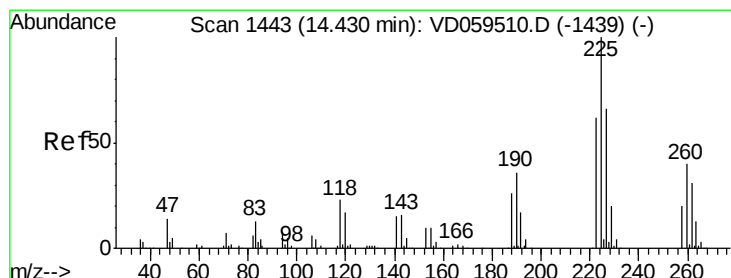
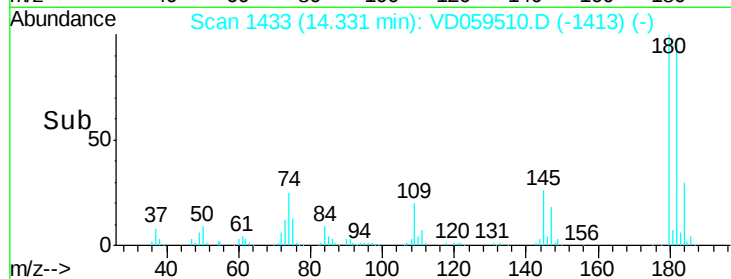
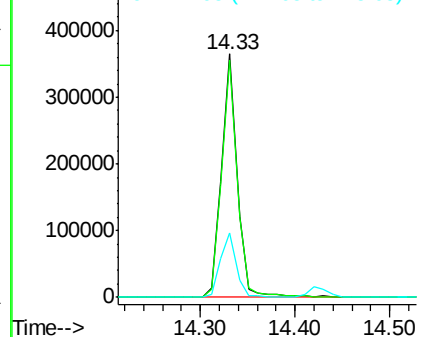
#93
 1,2,4-Trichlorobenzene
 Concen: 54.43 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 421416
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.7 146.1
 145 26.4 13.2 39.6

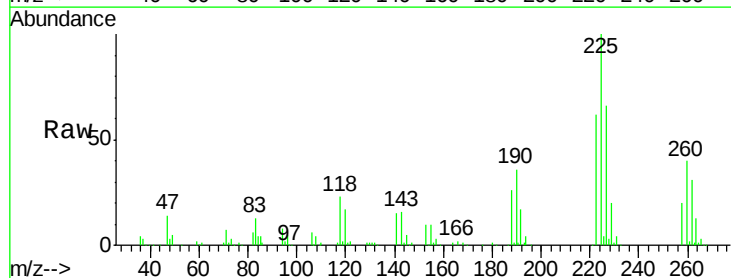


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

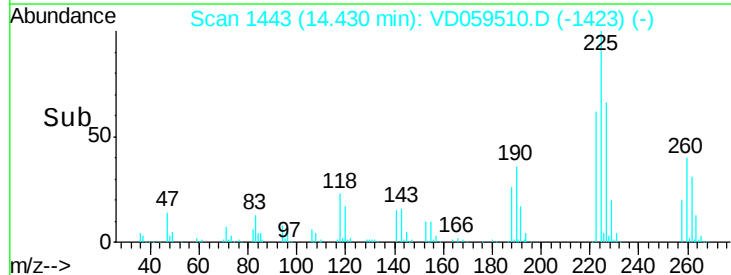
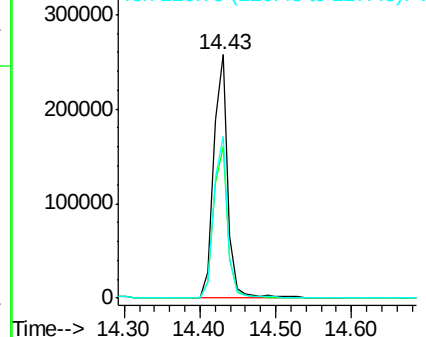


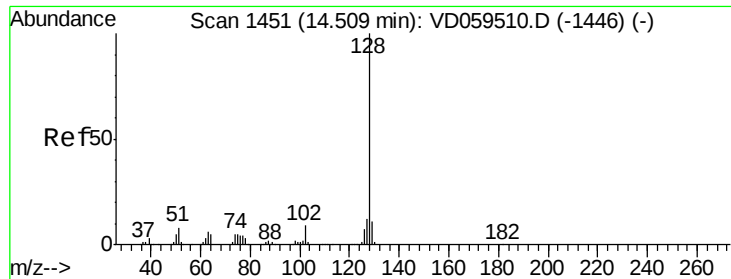
#94
 Hexachlorobutadiene
 Concen: 57.81 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD059510.D
 Acq: 2 Jul 2018 18:32

Tgt Ion:225 Resp: 337179
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.0 93.0
 227 66.3 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

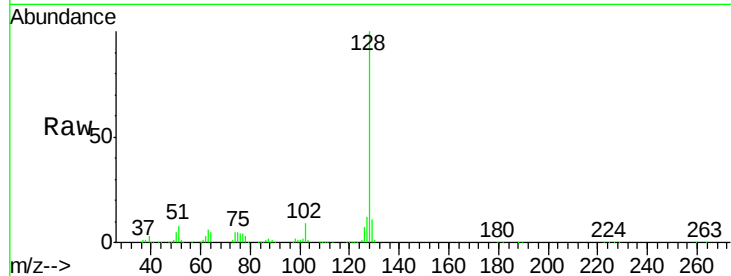




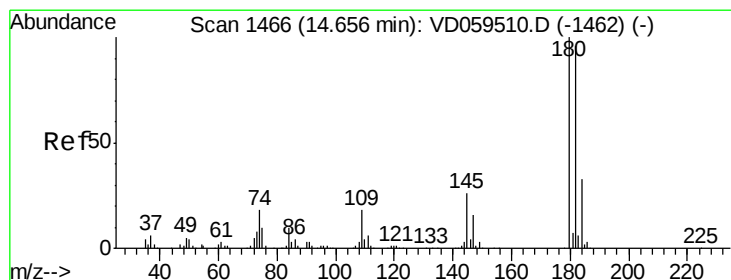
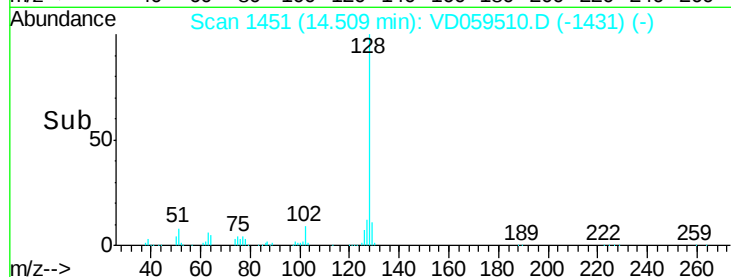
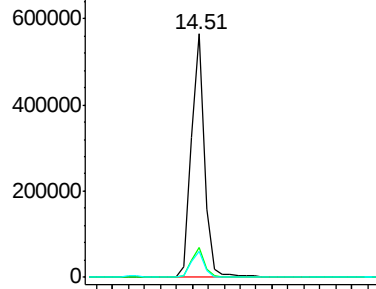
#95
Naphthalene
Concen: 60.24 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 665317
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.7 8.6 12.8

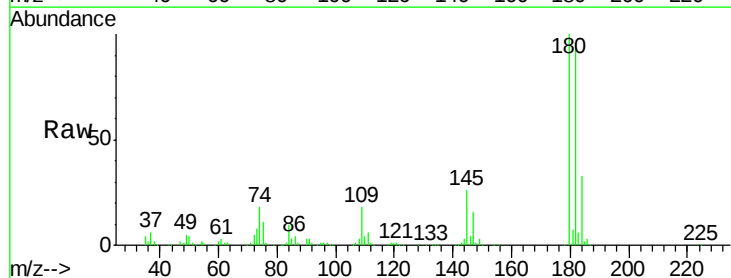


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 56.20 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD059510.D
Acq: 2 Jul 2018 18:32

Tgt Ion:180 Resp: 391985
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.4
145 26.4 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

