

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059784.D
 Acq On : 15 Aug 2018 00:51
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 15 08:12:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	247633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	337609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	279068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	149504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	173231	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	5.54	113	154607	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	8.71	98	362209	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.92	95	161654	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	152938	42.86	ug/l	100
3) Chloromethane	1.47	50	86070	60.11	ug/l	100
4) Vinyl Chloride	1.55	62	91309	51.89	ug/l	100
5) Bromomethane	1.78	94	36064	49.68	ug/l	100
6) Chloroethane	1.87	64	43974	50.31	ug/l	100
7) Trichlorofluoromethane	2.08	101	146509	40.43	ug/l	100
8) Diethyl Ether	2.33	74	28037	47.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.55	101	78495	41.83	ug/l	100
10) Methyl Iodide	2.69	142	98213	48.42	ug/l	100
11) Tert butyl alcohol	3.25	59	31389	238.97	ug/l	100
12) 1,1-Dichloroethene	2.54	96	58503	43.43	ug/l	100
13) Acrolein	2.46	56	28155	329.59	ug/l	100
14) Allyl chloride	2.91	41	144038	47.80	ug/l	100
15) Acrylonitrile	3.35	53	104998	309.89	ug/l	100
16) Acetone	2.60	43	136580	229.77	ug/l	100
17) Carbon Disulfide	2.75	76	203533	45.41	ug/l	100
18) Methyl Acetate	2.92	43	54513	45.06	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	278433	51.52	ug/l	100
20) Methylene Chloride	3.06	84	66808	37.87	ug/l	100
21) trans-1,2-Dichloroethene	3.38	96	118043	63.83	ug/l	100
22) Diisopropyl ether	4.06	45	393414	64.43	ug/l	100
23) Vinyl Acetate	4.01	43	1119107	281.29	ug/l	100
24) 1,1-Dichloroethane	3.97	63	225669	52.15	ug/l	100
25) 2-Butanone	4.83	43	209276	303.99	ug/l	100
26) 2,2-Dichloropropane	4.79	77	206590	42.47	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	121870	55.74	ug/l	100
28) Bromochloromethane	5.14	49	92438	58.65	ug/l	100
29) Tetrahydrofuran	5.18	42	84180	320.69	ug/l	100
30) Chloroform	5.31	83	272937	48.64	ug/l	100
31) Cyclohexane	5.59	56	149670	57.83	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	242136	42.71	ug/l	100
36) 1,1-Dichloropropene	5.74	75	173100	45.49	ug/l	100
37) Ethyl Acetate	4.91	43	90498	53.48	ug/l	100
38) Carbon Tetrachloride	5.72	117	213264	36.86	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	159250	54.62	ug/l	100
40) Benzene	6.01	78	381265	55.29	ug/l	100
41) Methacrylonitrile	5.12	41	47145	57.23	ug/l	100
42) 1,2-Dichloroethane	6.12	62	203392	39.97	ug/l	100
43) Isopropyl Acetate	7.62	43	117131	54.50	ug/l	100
44) Trichloroethene	6.98	130	126682	47.31	ug/l	100
45) 1,2-Dichloropropane	7.34	63	103437	58.15	ug/l	100
46) Dibromomethane	7.46	93	81187	45.74	ug/l	100
47) Bromodichloromethane	7.73	83	197776	42.56	ug/l	100
48) Methyl methacrylate	7.50	41	77948	50.55	ug/l	100
49) 1,4-Dioxane	7.49	88	13477	1227.29	ug/l	100
51) 4-Methyl-2-Pentanone	8.59	43	477520	288.81	ug/l	100
52) Toluene	8.80	92	240305	54.11	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	161876	43.15	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	182814	49.04	ug/l	100
55) 1,1,2-Trichloroethane	9.46	97	87581	50.83	ug/l	100
56) Ethyl methacrylate	9.31	69	101052	51.46	ug/l	100
57) 1,3-Dichloropropane	9.66	76	135466	48.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	228376	253.30	ug/l	100
59) 2-Hexanone	9.78	43	337554	277.30	ug/l	100
60) Dibromochloromethane	9.96	129	132739	41.85	ug/l	100
61) 1,2-Dibromoethane	10.10	107	98558	46.99	ug/l	100
64) Tetrachloroethene	9.51	164	120240	45.07	ug/l	100
65) Chlorobenzene	10.72	112	277321	49.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	115896	42.03	ug/l	100
67) Ethyl Benzene	10.85	91	476690	45.67	ug/l	100
68) m/p-Xylenes	11.01	106	324243	94.85	ug/l	100
69) o-Xylene	11.40	106	157684	47.74	ug/l	100
70) Styrene	11.43	104	284254	51.93	ug/l	100
71) Bromoform	11.60	173	89063	43.24	ug/l	100
73) Isopropylbenzene	11.77	105	473984	47.17	ug/l	100
74) N-amyl acetate	11.64	43	156396	53.93	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.07	83	98537	52.95	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	107068	49.62	ug/l	100
77) Bromobenzene	12.04	156	141750	48.27	ug/l	100
78) n-propylbenzene	12.15	91	587060	47.93	ug/l	100
79) 2-Chlorotoluene	12.21	91	360927	46.65	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	381248	44.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	26505	53.07	ug/l	100
82) 4-Chlorotoluene	12.33	91	401191	44.48	ug/l	100
83) tert-Butylbenzene	12.57	119	413090	43.90	ug/l	100
84) 1,2,4-Trimethylbenzene	12.62	105	411641	46.21	ug/l	100
85) sec-Butylbenzene	12.75	105	484520	47.96	ug/l	100
86) p-Isopropyltoluene	12.88	119	400527	44.37	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	236509	47.61	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	242033	48.34	ug/l	100
89) n-Butylbenzene	13.19	91	409206	45.43	ug/l	100
90) Hexachloroethane	13.40	117	107592	46.43	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	196347	46.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.77	75	19727	44.76	ug/l	100

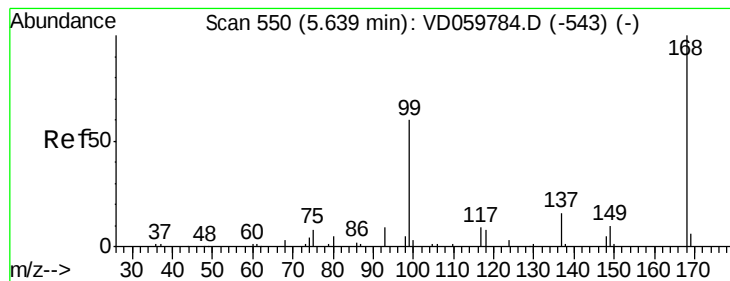
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	179403	45.38	ug/l	100
94) Hexachlorobutadiene	14.43	225	125763	38.83	ug/l	100
95) Naphthalene	14.51	128	263736	48.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	150299	44.52	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

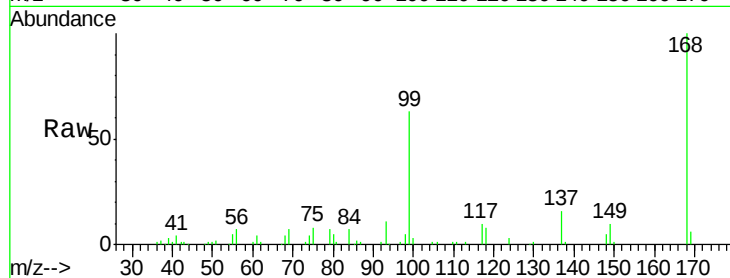
VSTDICCC050

Tot Ion:168 Resp: 247633

Ion Ratio Lower Upper

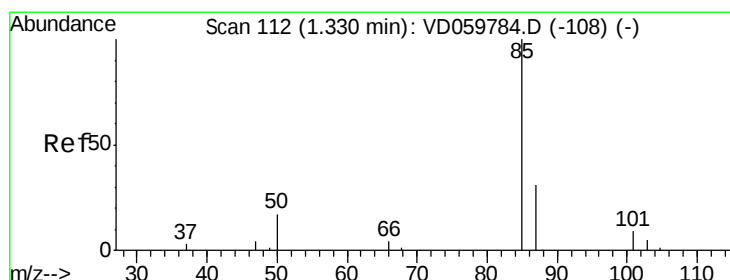
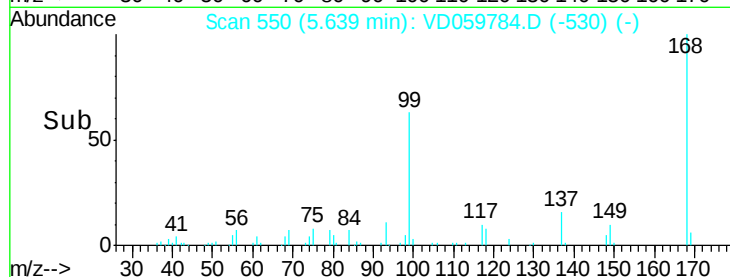
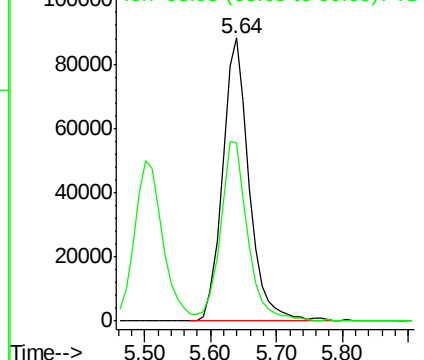
168 100

99 62.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: 42.86 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059784.D

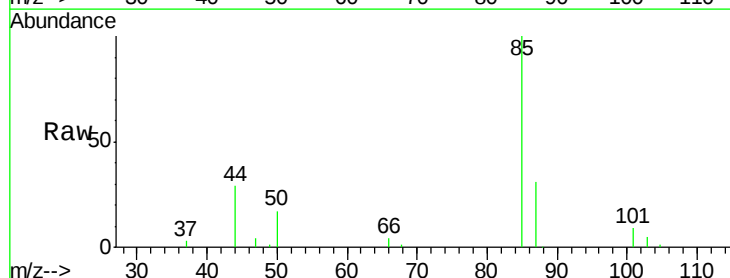
Acq: 15 Aug 2018 00:51

Tgt Ion: 85 Resp: 152938

Ion Ratio Lower Upper

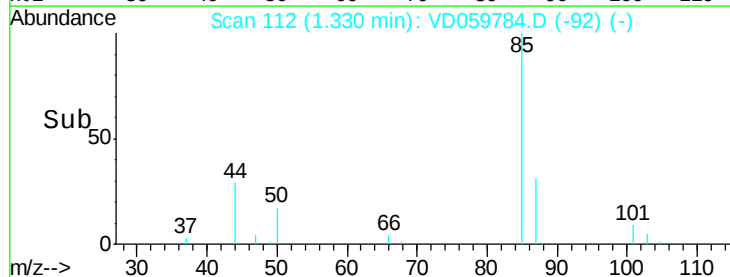
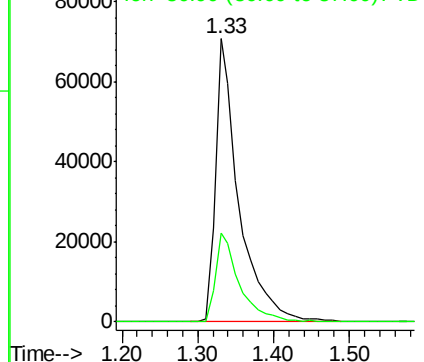
85 100

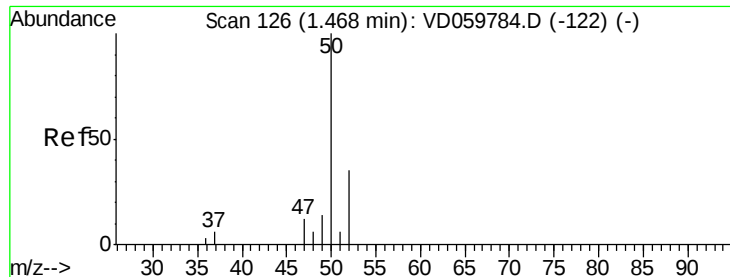
87 31.4 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 60.11 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

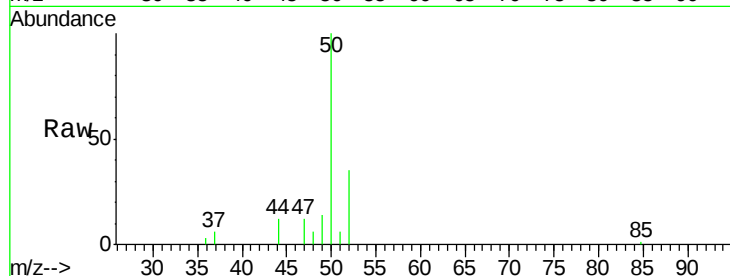
VSTDICCC050

Tot Ion: 50 Resp: 86070

Ion Ratio Lower Upper

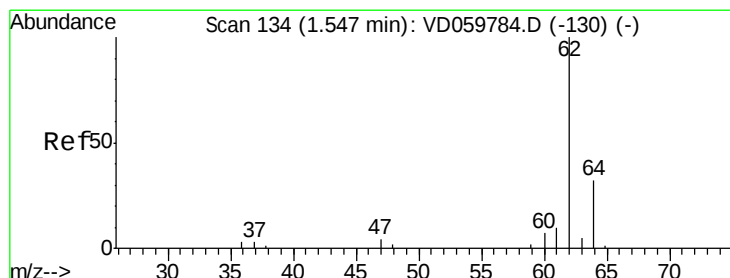
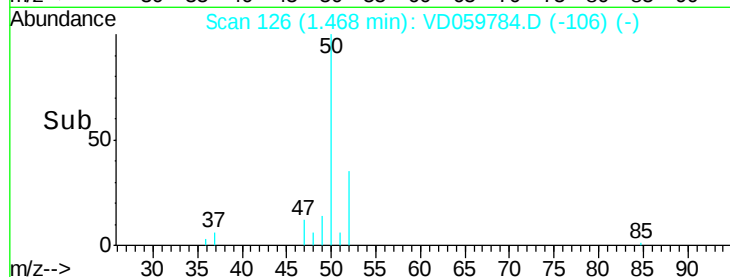
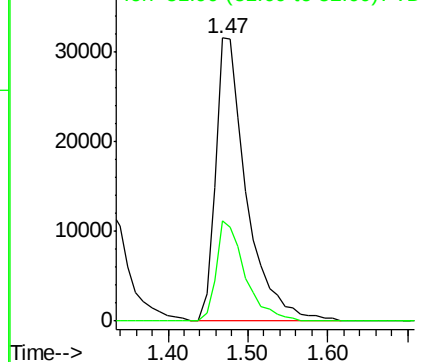
50 100

52 35.5 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VD

Ion 51.90 (51.60 to 52.60): VD



#4

Vinyl Chloride

Concen: 51.89 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059784.D

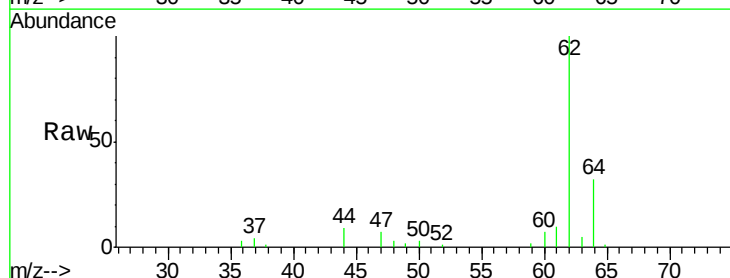
Acq: 15 Aug 2018 00:51

Tgt Ion: 62 Resp: 91309

Ion Ratio Lower Upper

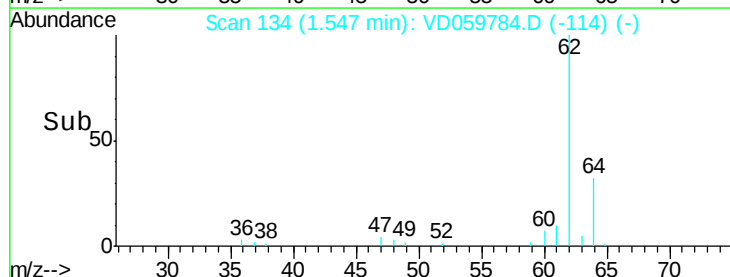
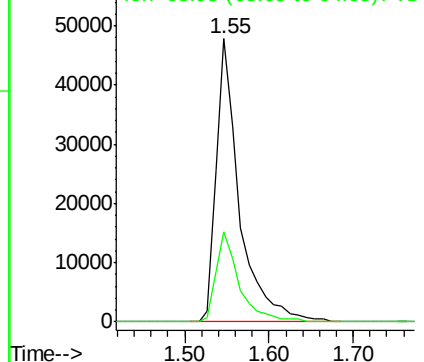
62 100

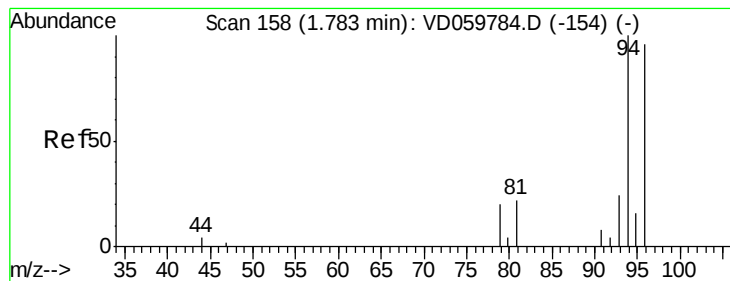
64 31.9 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VD

Ion 63.95 (63.65 to 64.65): VD





#5

Bromomethane

Concen: 49.68 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

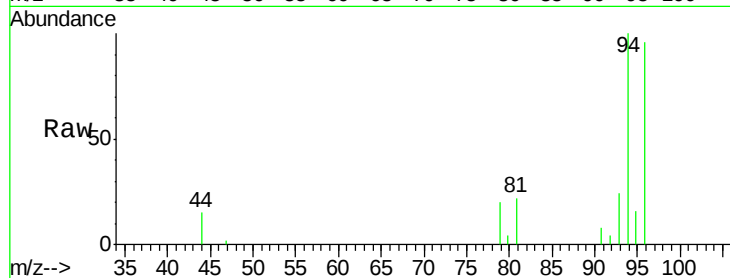
VSTDICCC050

Tot Ion: 94 Resp: 36064

Ion Ratio Lower Upper

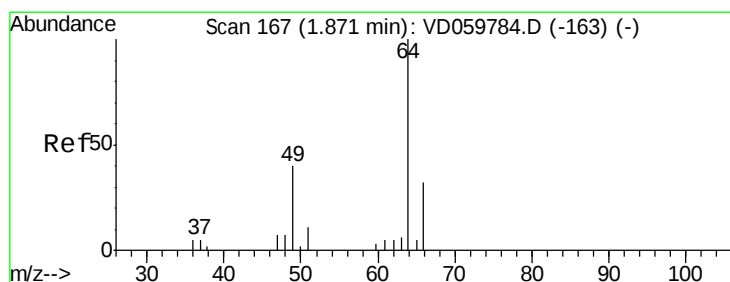
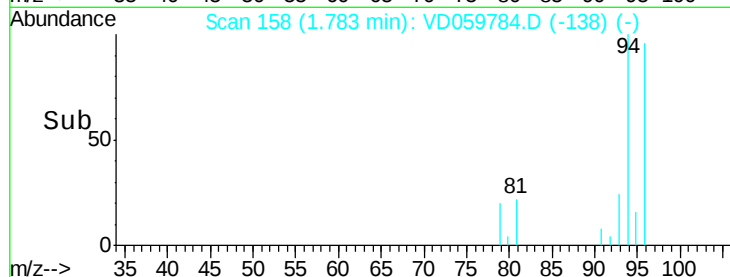
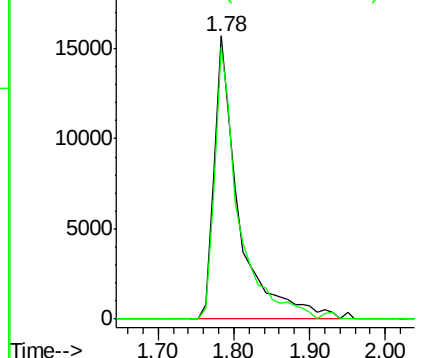
94 100

96 95.9 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VD

Ion 95.90 (95.60 to 96.60): VD



#6

Chloroethane

Concen: 50.31 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059784.D

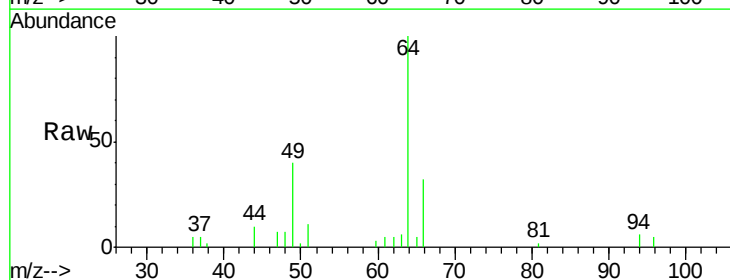
Acq: 15 Aug 2018 00:51

Tgt Ion: 64 Resp: 43974

Ion Ratio Lower Upper

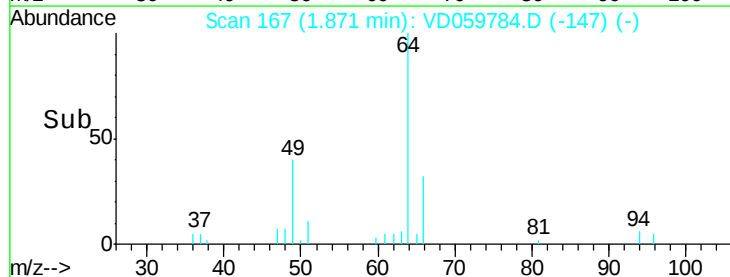
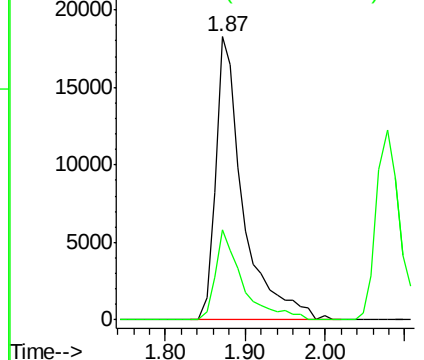
64 100

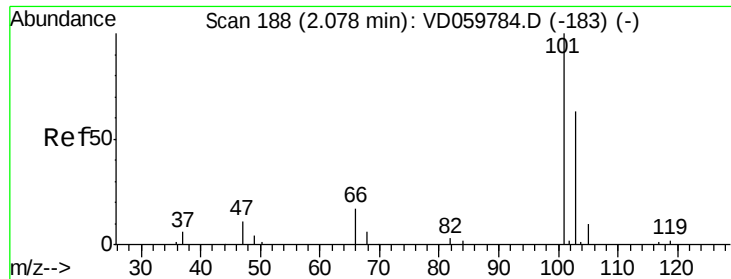
66 31.8 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VD

Ion 65.90 (65.60 to 66.60): VD



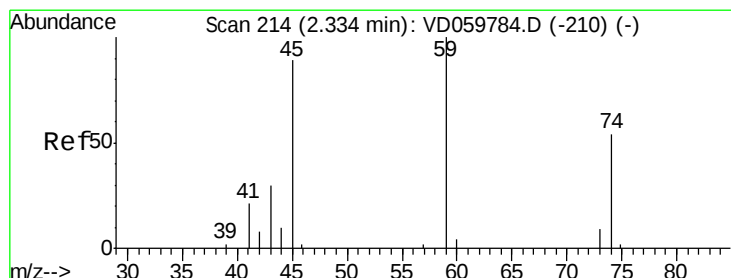
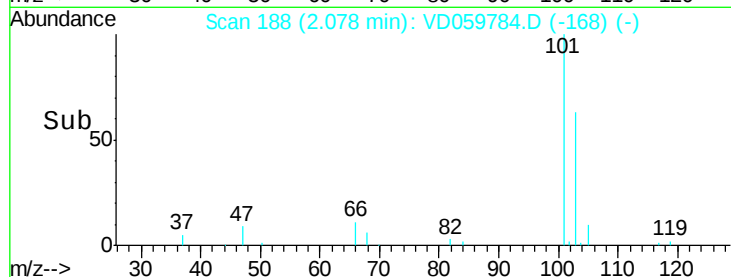
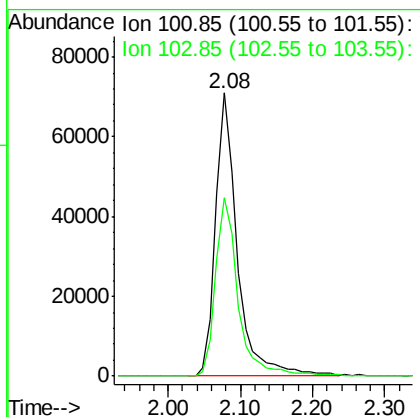
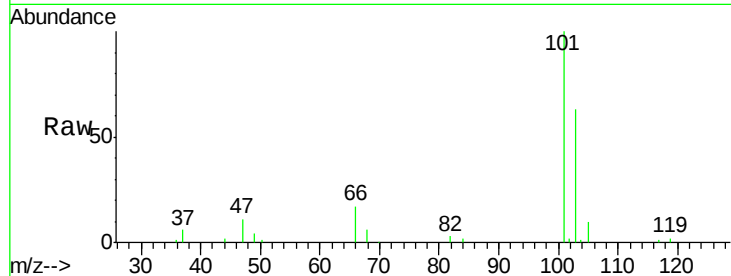


#7

Trichlorofluoromethane
 Concen: 40.43 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

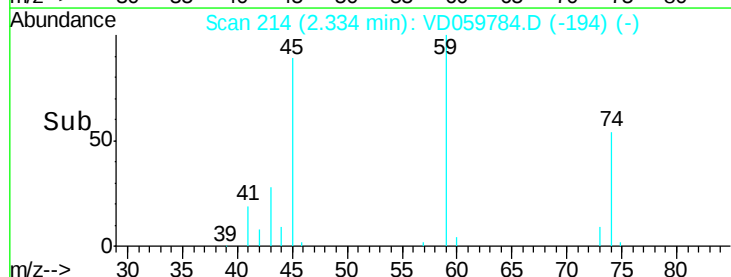
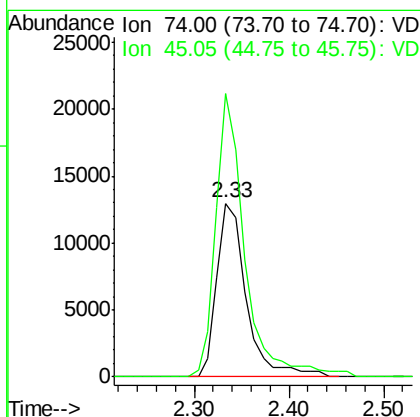
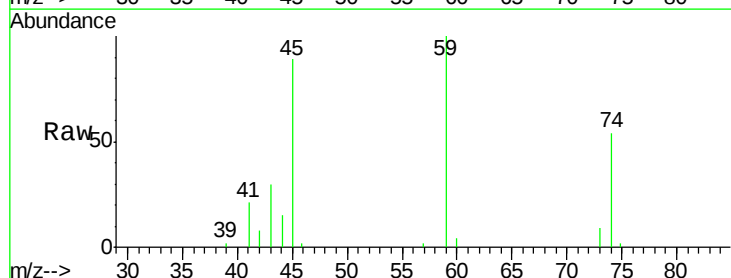
Tot Ion:101 Resp: 146509
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.4 75.6

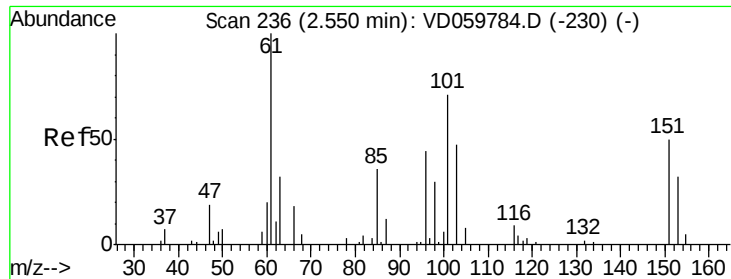


#8

Diethyl Ether
 Concen: 47.47 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 74 Resp: 28037
 Ion Ratio Lower Upper
 74 100
 45 163.2 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.83 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

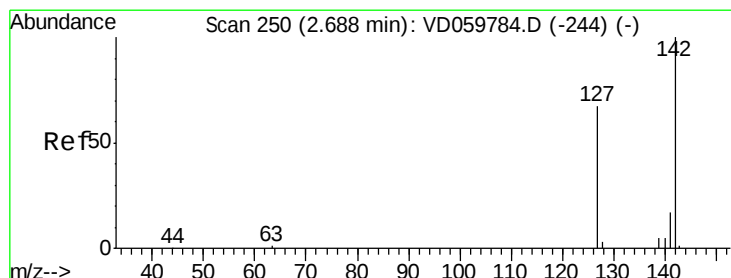
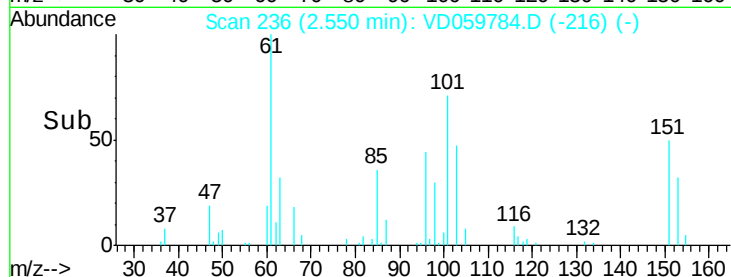
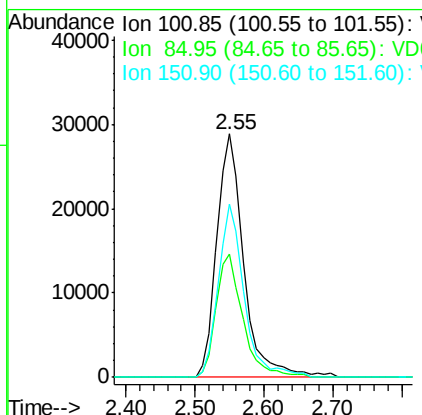
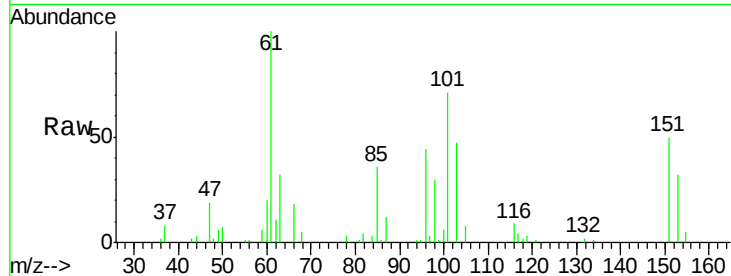
Tot Ion:101 Resp: 78495

Ion Ratio Lower Upper

101 100

85 50.8 40.6 61.0

151 71.4 57.1 85.7



#10

Methyl Iodide

Concen: 48.42 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

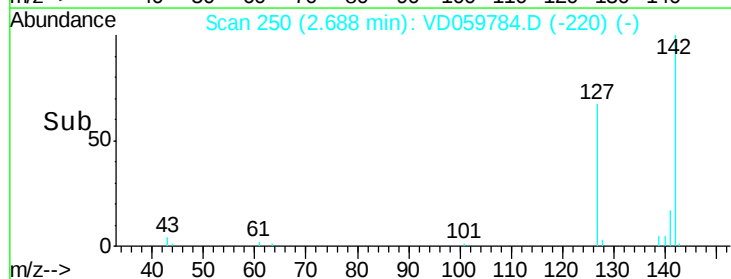
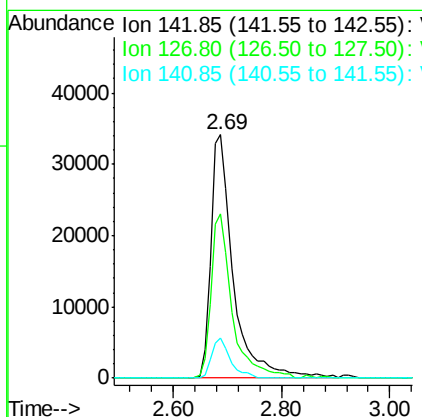
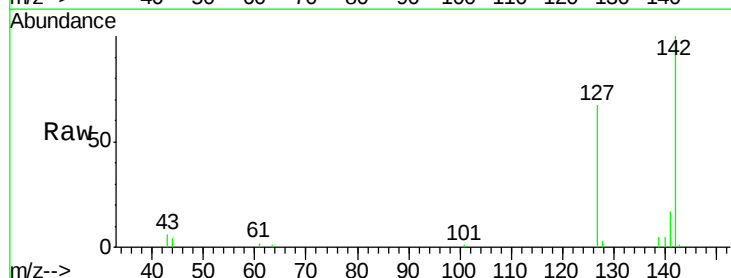
Tgt Ion:142 Resp: 98213

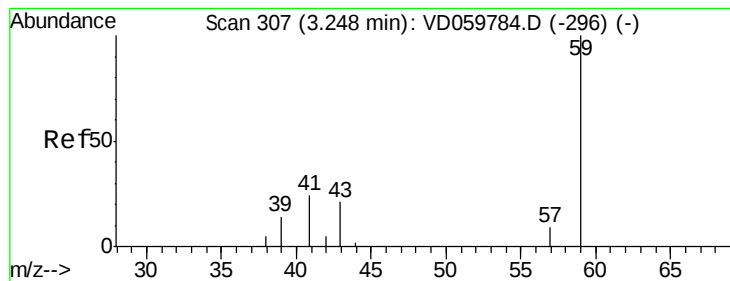
Ion Ratio Lower Upper

142 100

127 67.5 54.0 81.0

141 16.6 13.3 19.9



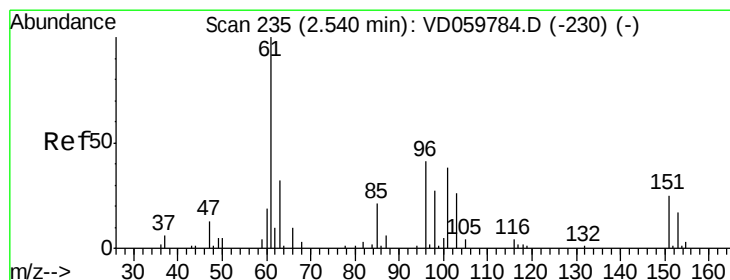
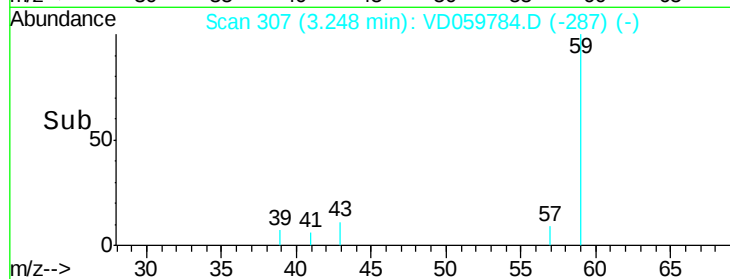
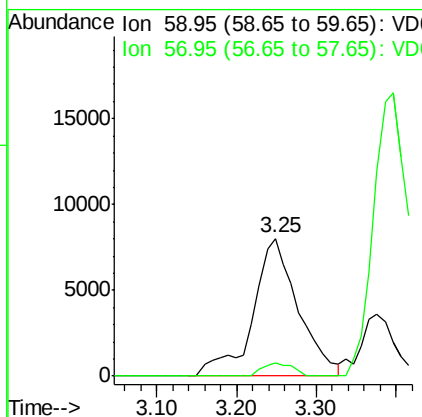
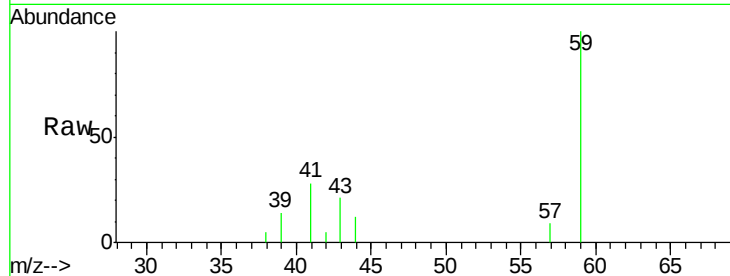


#11

Tert butyl alcohol
 Concen: 238.97 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

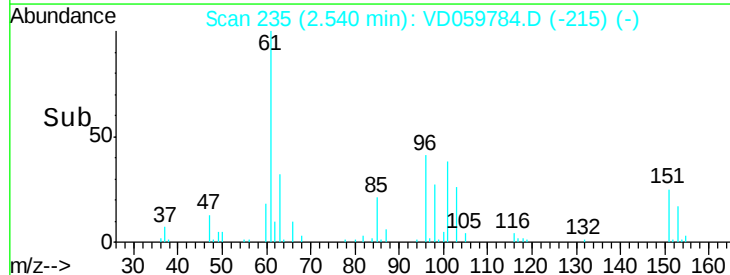
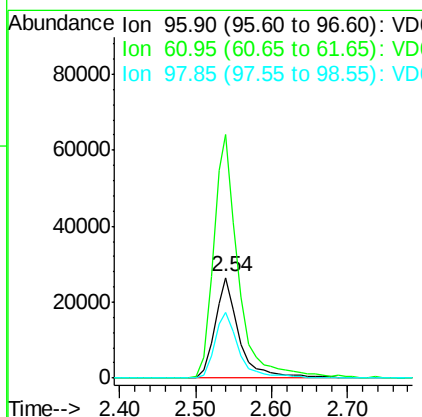
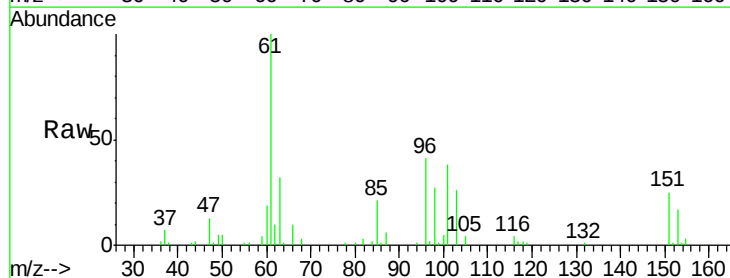
Tot Ion: 59 Resp: 31389
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.5 11.3

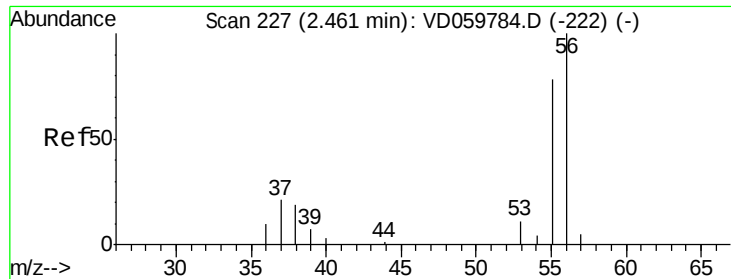


#12

1,1-Dichloroethene
 Concen: 43.43 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 96 Resp: 58503
 Ion Ratio Lower Upper
 96 100
 61 242.6 194.1 291.1
 98 65.4 52.3 78.5





#13

Acrolein

Concen: 329.59 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

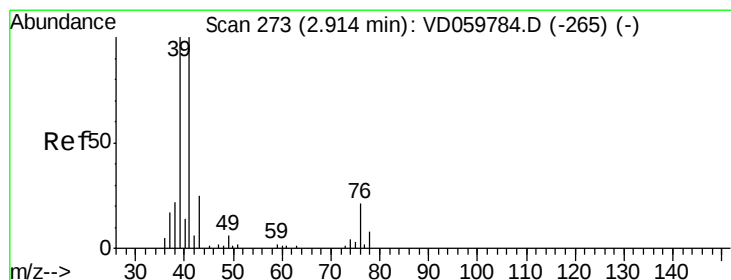
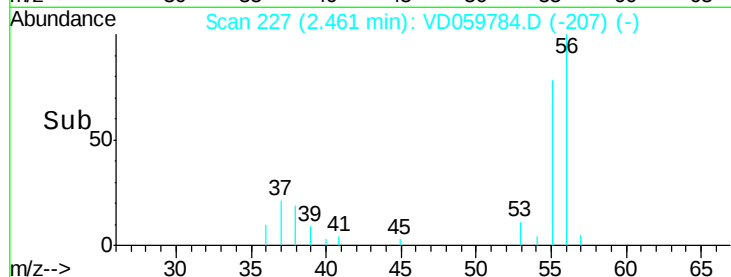
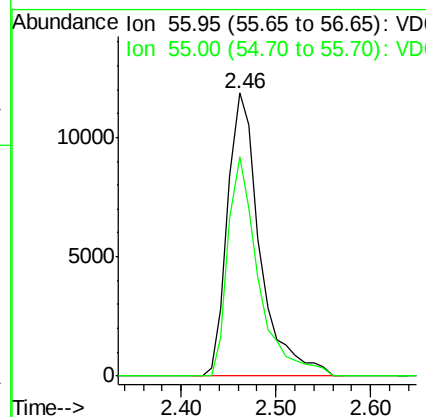
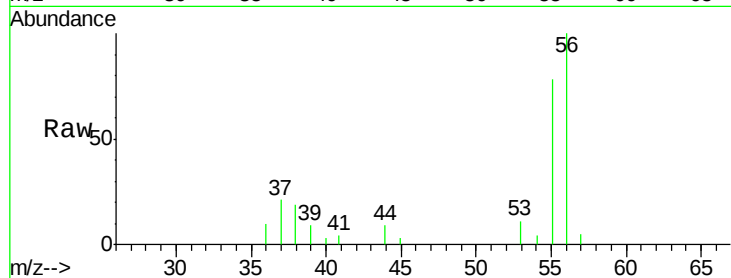
VSTDICCC050

Tot Ion: 56 Resp: 28155

Ion Ratio Lower Upper

56 100

55 77.7 62.2 93.2



#14

Allyl chloride

Concen: 47.80 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

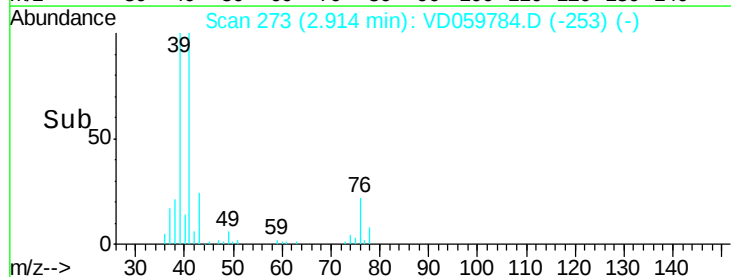
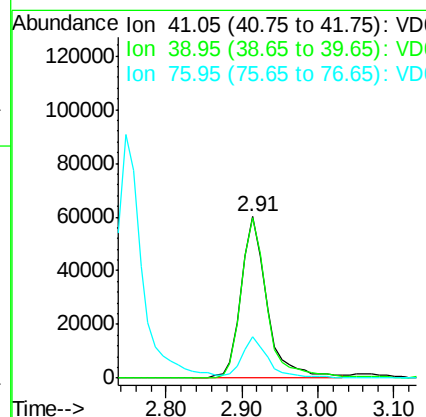
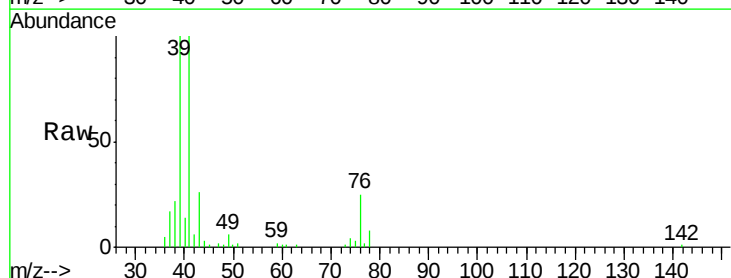
Tgt Ion: 41 Resp: 144038

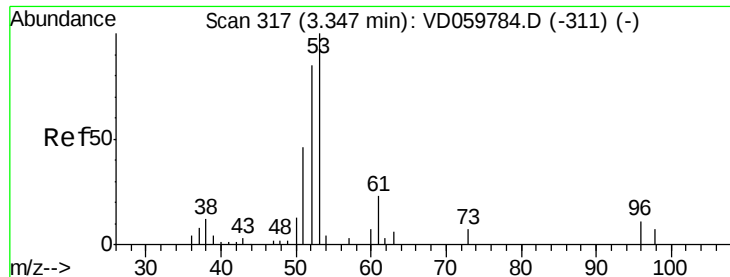
Ion Ratio Lower Upper

41 100

39 99.7 79.8 119.6

76 25.5 20.4 30.6





#15

Acrylonitrile

Concen: 309.89 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

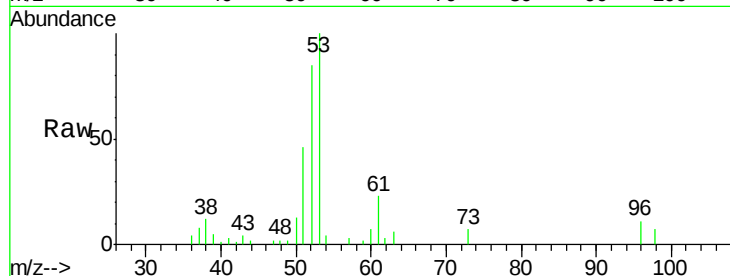
Tot Ion: 53 Resp: 104998

Ion Ratio Lower Upper

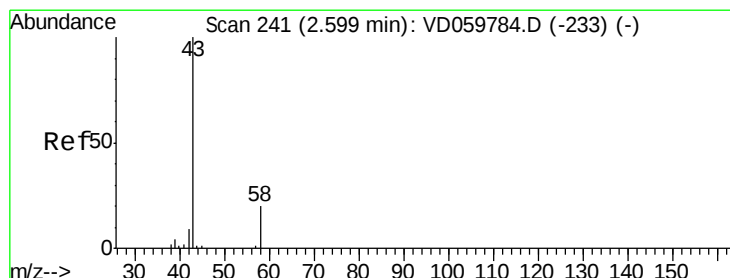
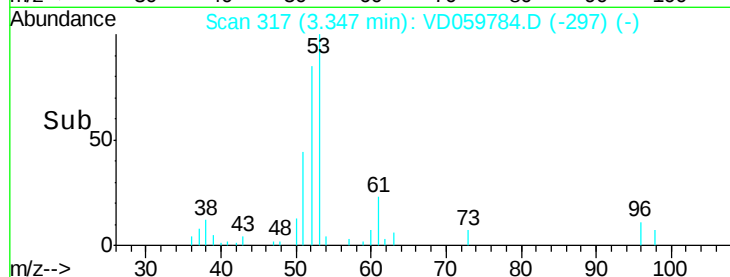
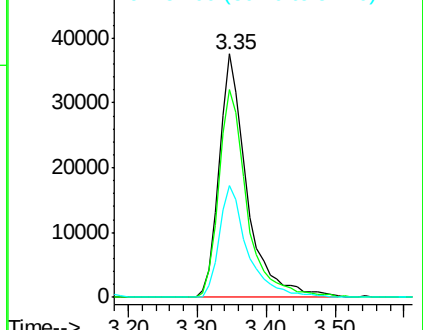
53 100

52 85.2 68.2 102.2

51 45.7 36.6 54.8



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



#16

Acetone

Concen: 229.77 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059784.D

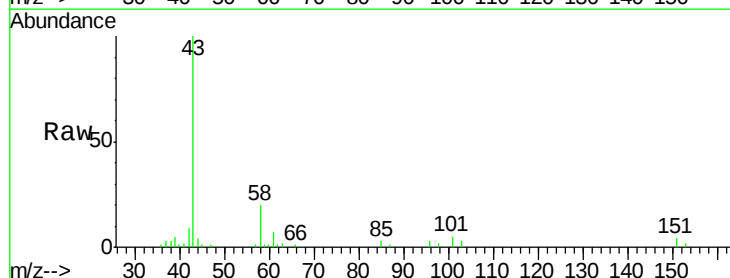
Acq: 15 Aug 2018 00:51

Tgt Ion: 43 Resp: 136580

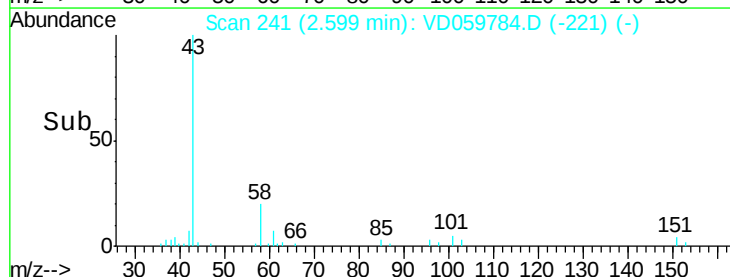
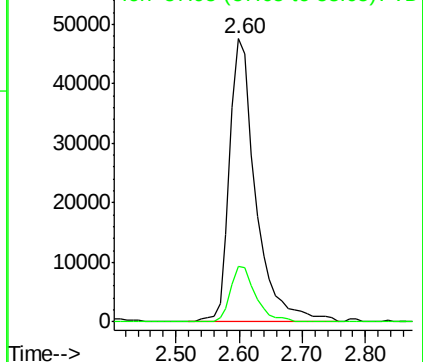
Ion Ratio Lower Upper

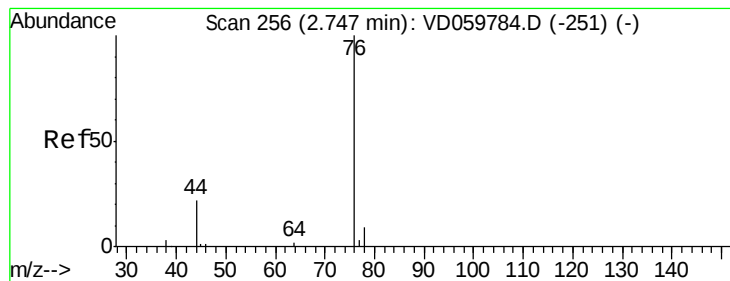
43 100

58 19.6 15.7 23.5



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





#17

Carbon Disulfide

Concen: 45.41 ug/l

RT: 2.75 min Scan# 256

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

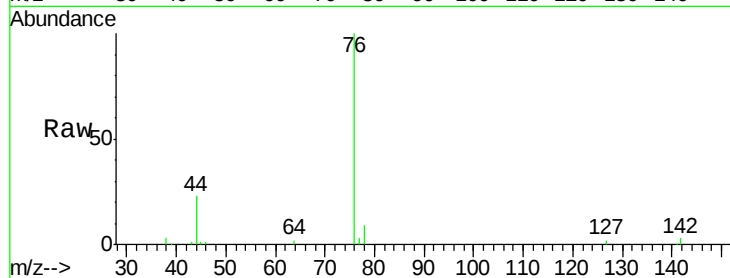
VSTDICCC050

Tot Ion: 76 Resp: 203533

Ion Ratio Lower Upper

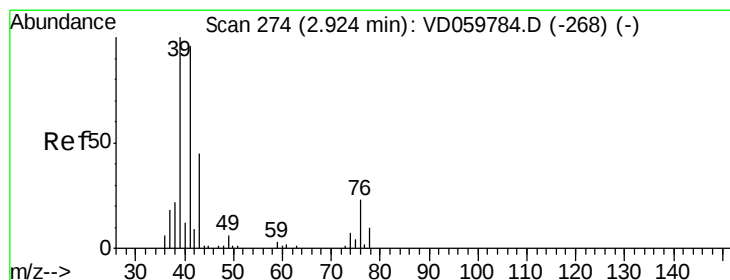
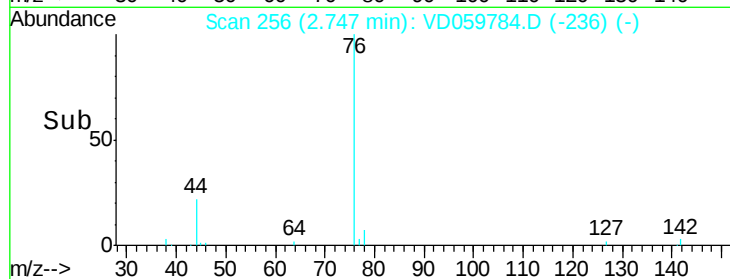
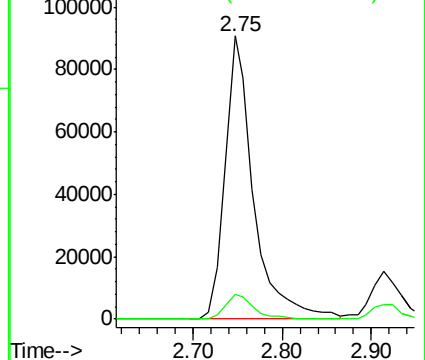
76 100

78 8.6 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VD

Ion 77.85 (77.55 to 78.55): VD



#18

Methyl Acetate

Concen: 45.06 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059784.D

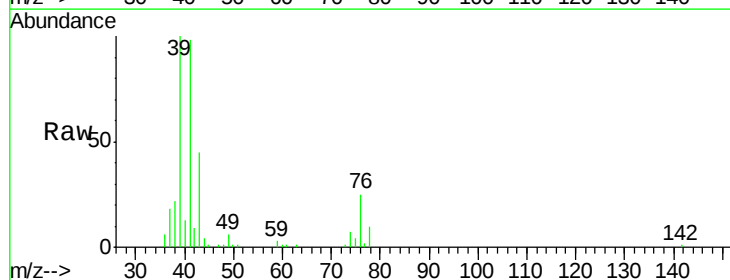
Acq: 15 Aug 2018 00:51

Tgt Ion: 43 Resp: 54513

Ion Ratio Lower Upper

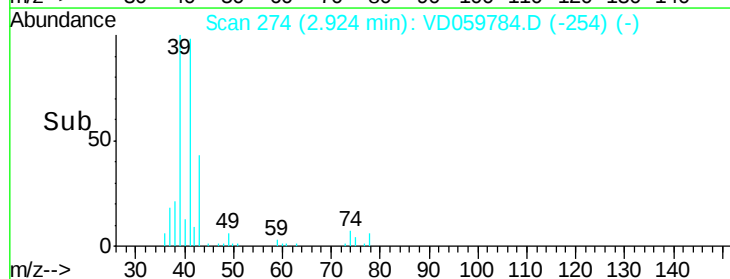
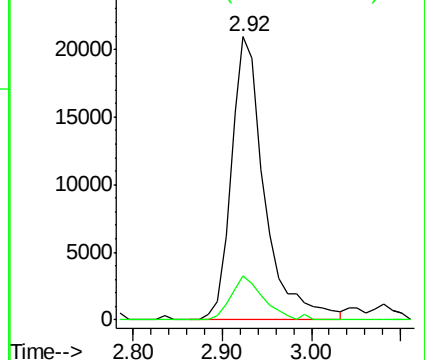
43 100

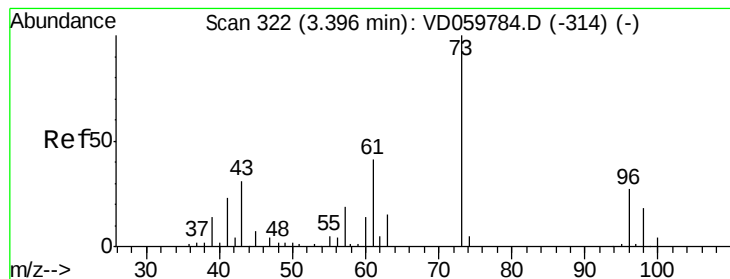
74 15.5 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD



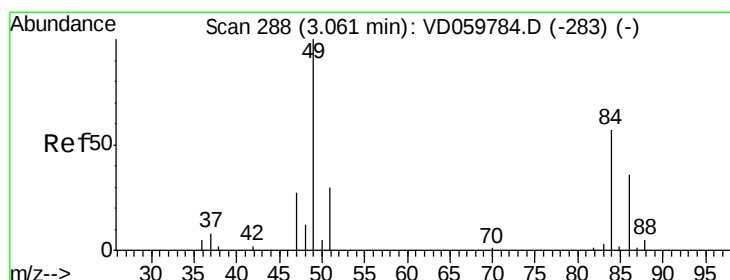
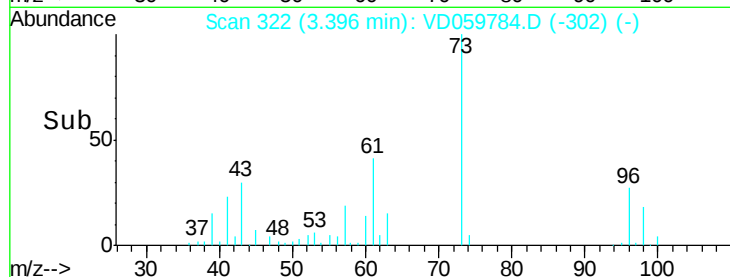
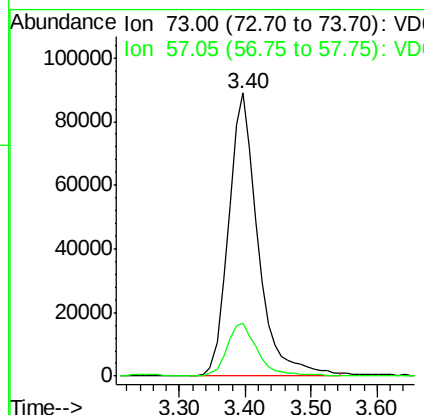
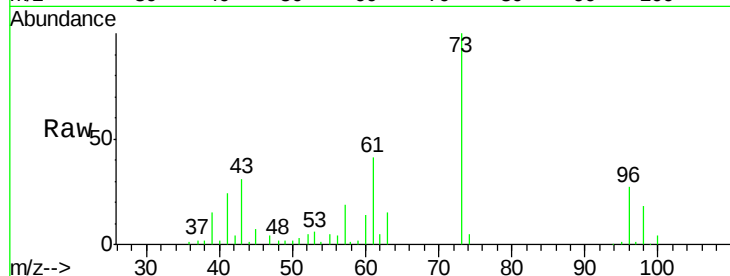


#19

Methyl tert-butyl Ether
 Concen: 51.52 ug/l
 RT: 3.40 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

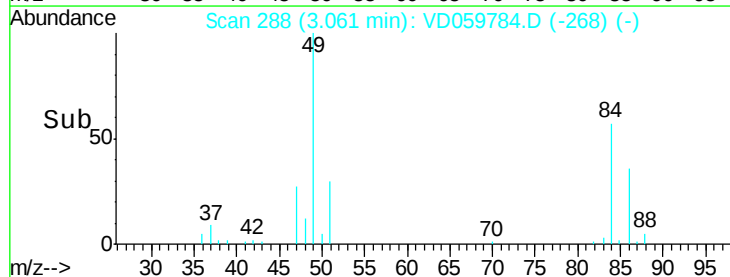
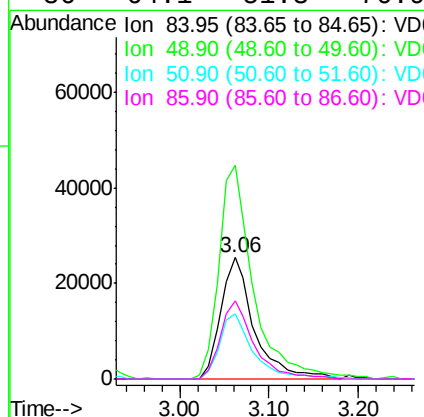
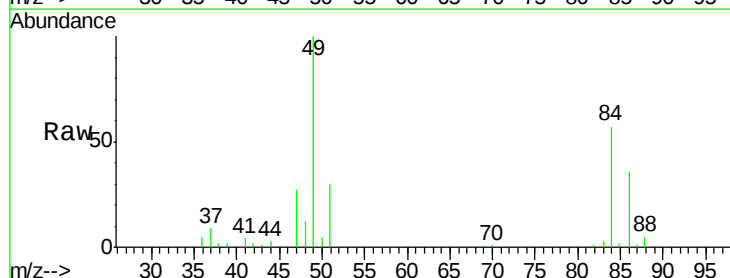
Tot Ion: 73 Resp: 278433
 Ion Ratio Lower Upper
 73 100
 57 18.5 14.8 22.2

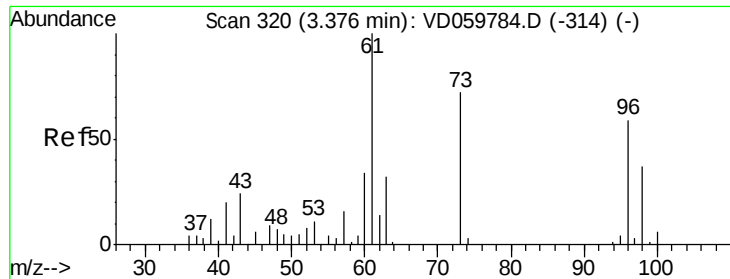


#20

Methylene Chloride
 Concen: 37.87 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 84 Resp: 66808
 Ion Ratio Lower Upper
 84 100
 49 176.1 140.9 211.3
 51 53.5 42.8 64.2
 86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 63.83 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

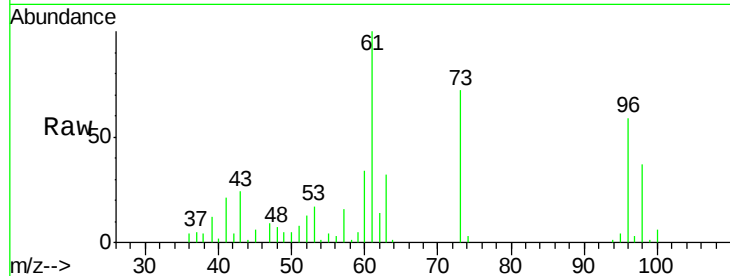
Tot Ion: 96 Resp: 118043

Ion Ratio Lower Upper

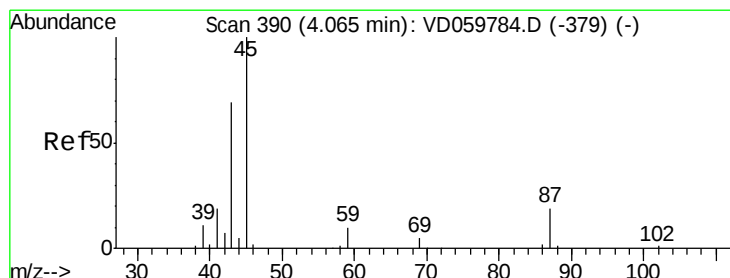
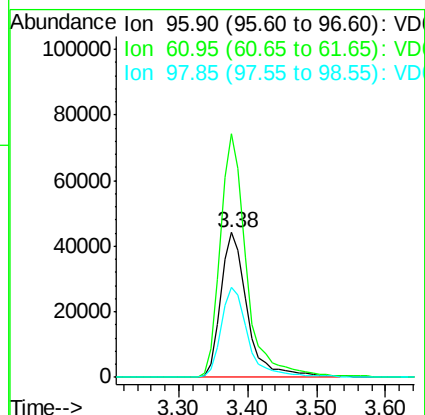
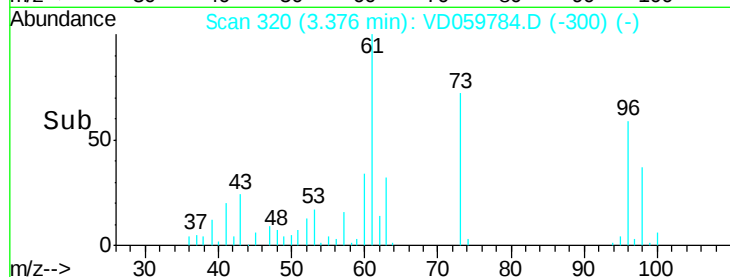
96 100

61 168.5 134.8 202.2

98 62.5 50.0 75.0



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



#22

Diisopropyl ether

Concen: 64.43 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Tgt Ion: 45 Resp: 393414

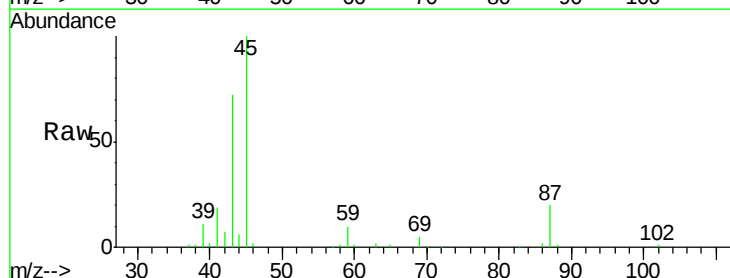
Ion Ratio Lower Upper

45 100

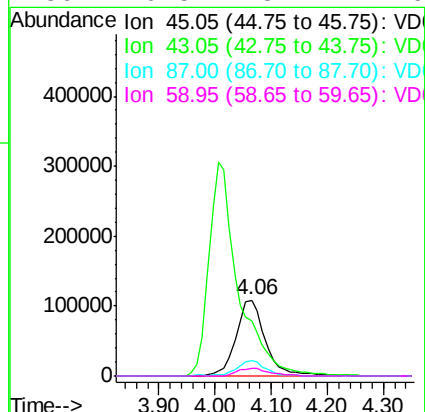
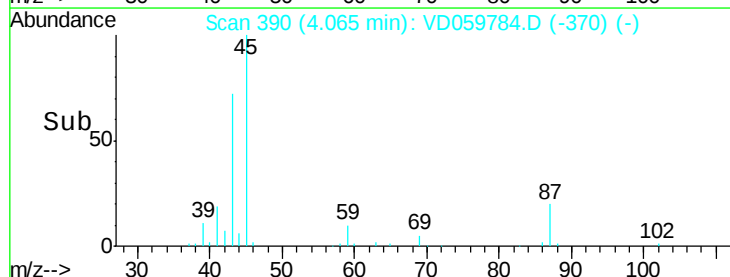
43 71.9 57.5 86.3

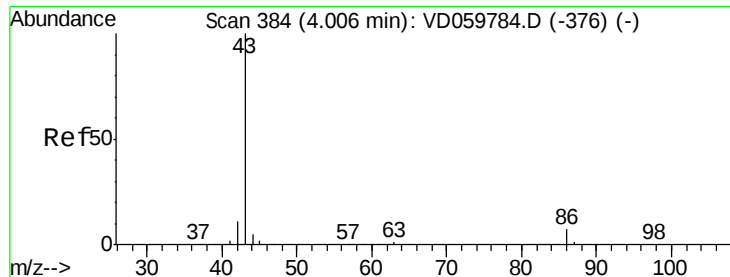
87 20.1 16.1 24.1

59 10.5 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 87.00 (86.70 to 87.70): VD
Ion 58.95 (58.65 to 59.65): VD





#23

Vinyl Acetate

Concen: 281.29 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

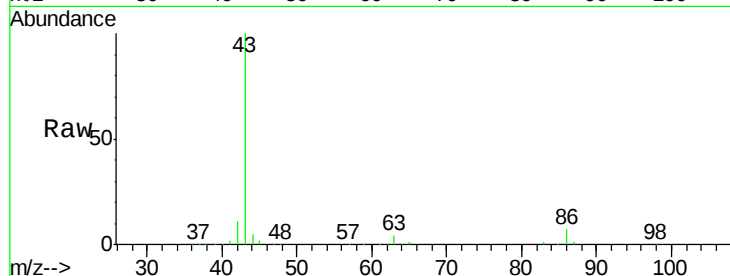
VSTDICCC050

Tot Ion: 43 Resp: 1119107

Ion Ratio Lower Upper

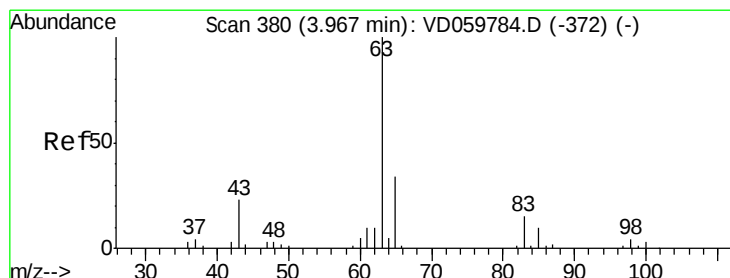
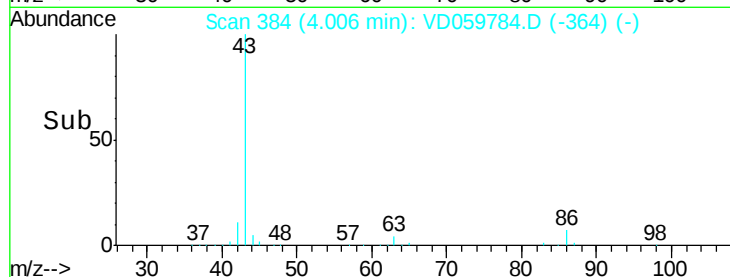
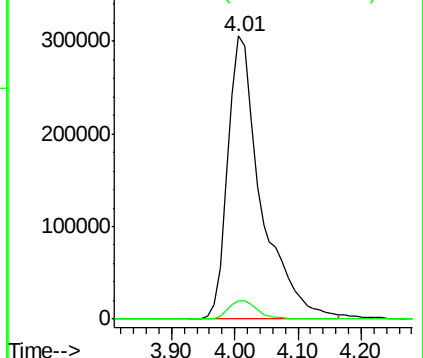
43 100

86 6.7 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 86.00 (85.70 to 86.70): VD



#24

1,1-Dichloroethane

Concen: 52.15 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

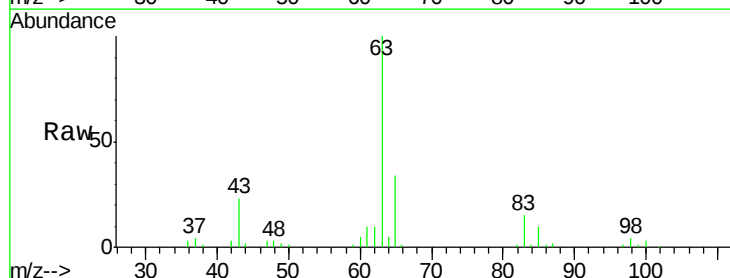
Tgt Ion: 63 Resp: 225669

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

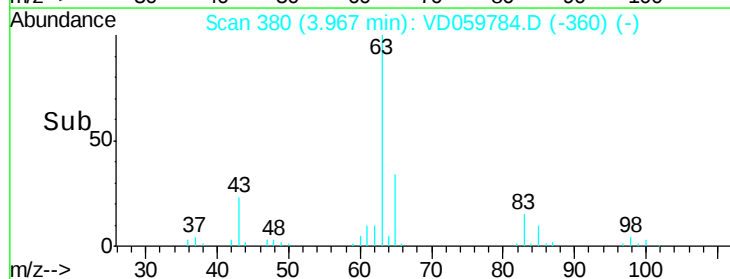
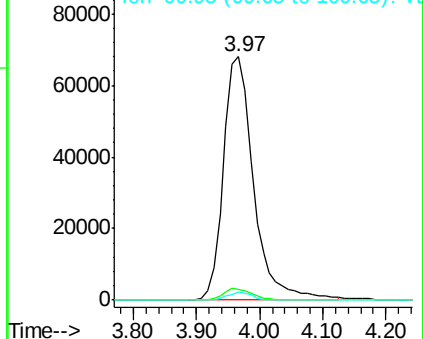
100 3.1 1.6 4.7

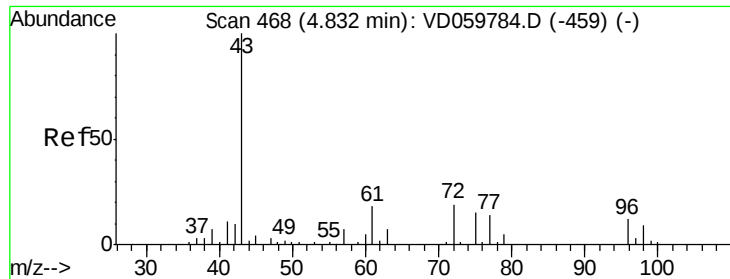


Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 97.95 (97.65 to 98.65): VD

Ion 99.95 (99.65 to 100.65): VD





#25

2-Butanone

Concen: 303.99 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

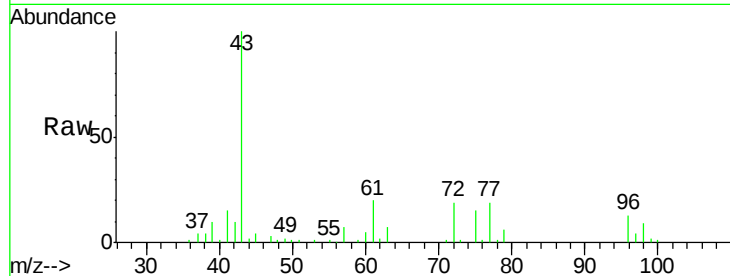
VSTDICCC050

Tot Ion: 43 Resp: 209276

Ion Ratio Lower Upper

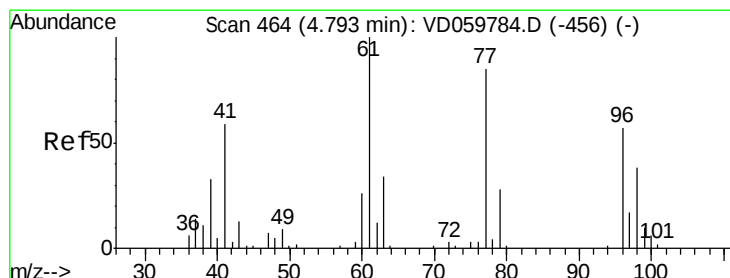
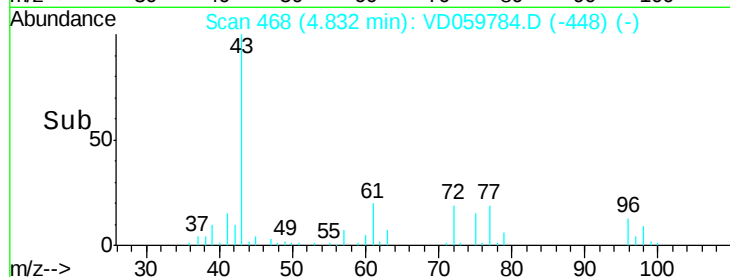
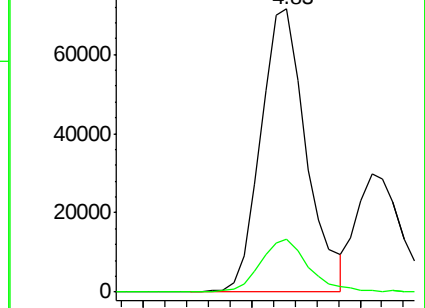
43 100

72 18.6 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 72.00 (71.70 to 72.70): VD



#26

2,2-Dichloropropane

Concen: 42.47 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059784.D

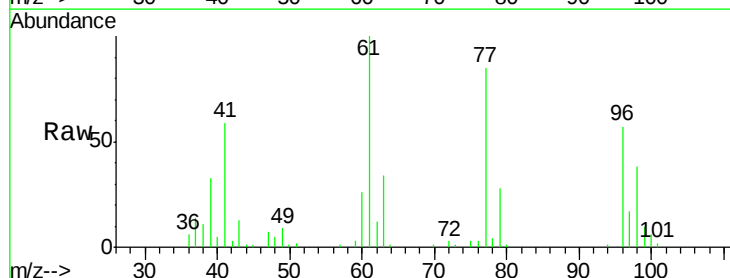
Acq: 15 Aug 2018 00:51

Tgt Ion: 77 Resp: 206590

Ion Ratio Lower Upper

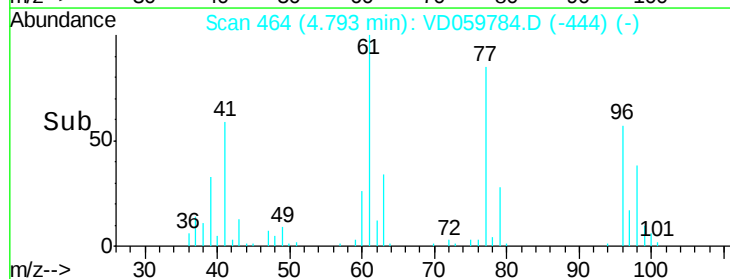
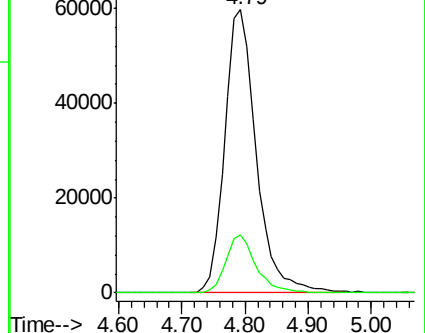
77 100

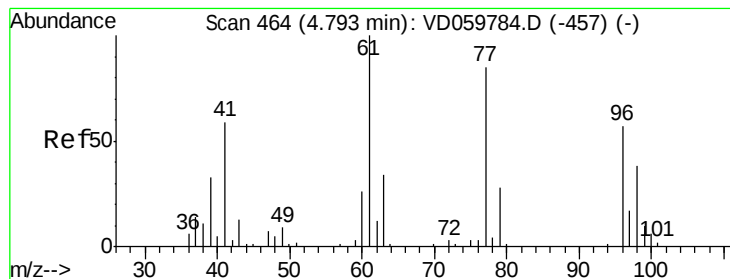
97 20.5 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VD

Ion 96.85 (96.55 to 97.55): VD





#27

cis-1,2-Dichloroethene

Concen: 55.74 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

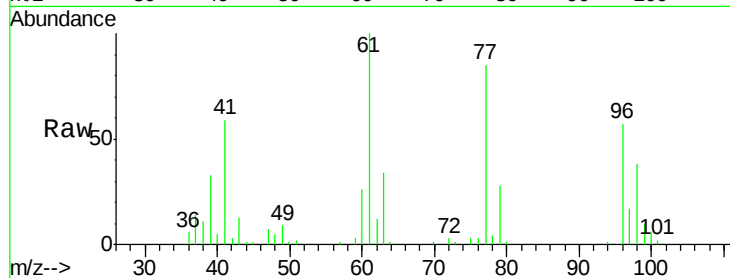
Tot Ion: 96 Resp: 121870

Ion Ratio Lower Upper

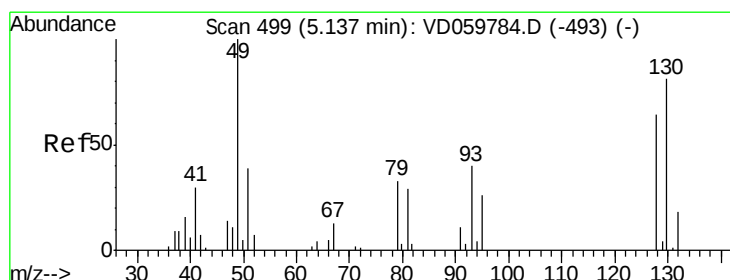
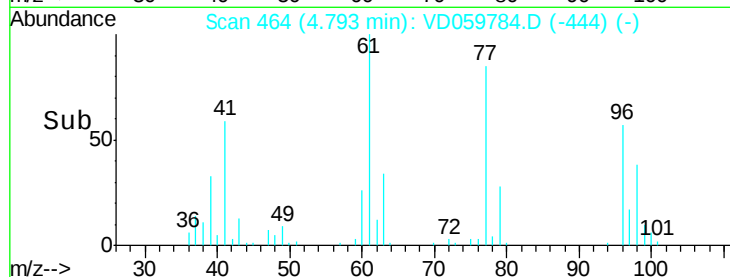
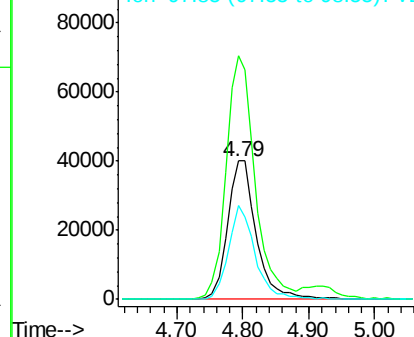
96 100

61 175.8 0.0 351.6

98 67.6 0.0 135.2



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



#28

Bromochloromethane

Concen: 58.65 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

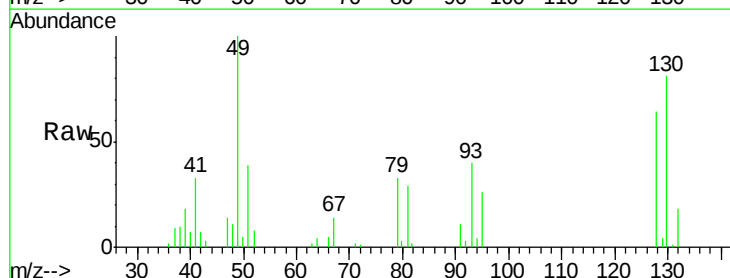
Tgt Ion: 49 Resp: 92438

Ion Ratio Lower Upper

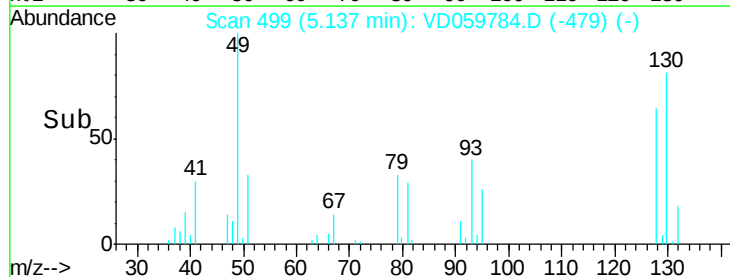
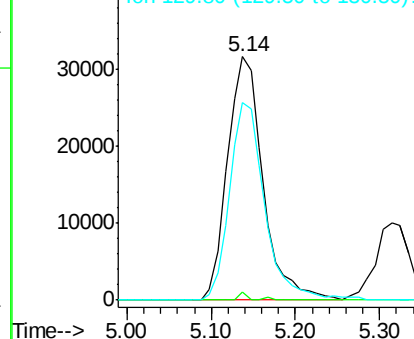
49 100

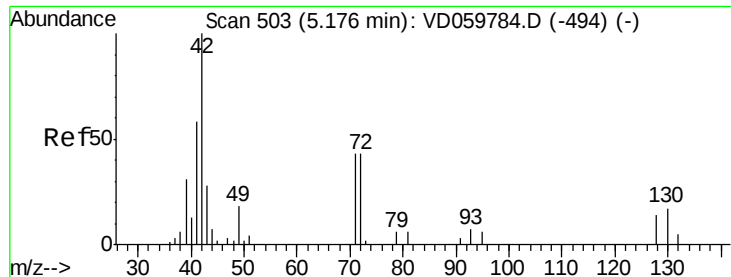
129 3.5 0.0 7.0

130 81.0 64.8 97.2



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

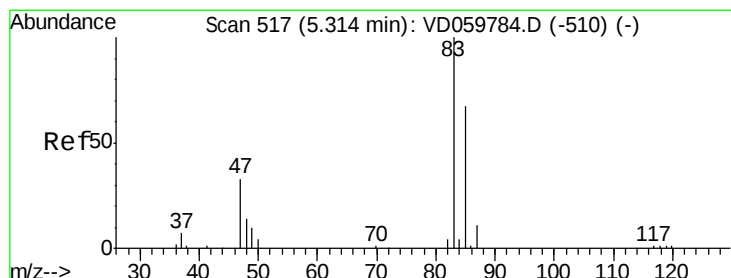
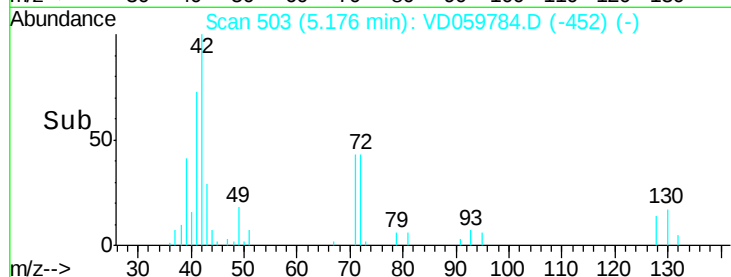
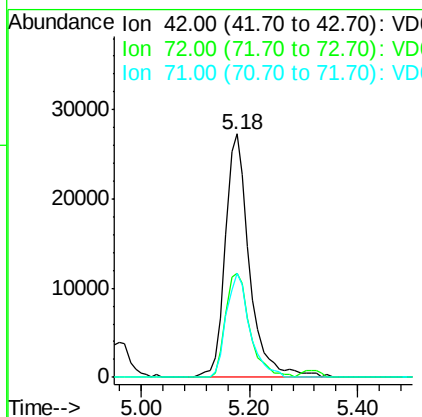
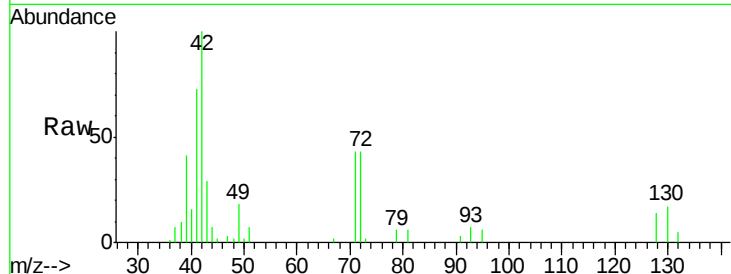




#29
Tetrahydrofuran
Concen: 320.69 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

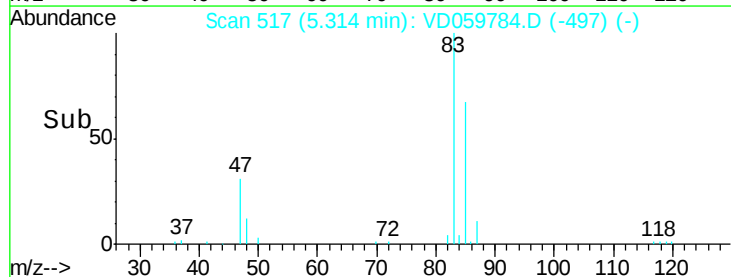
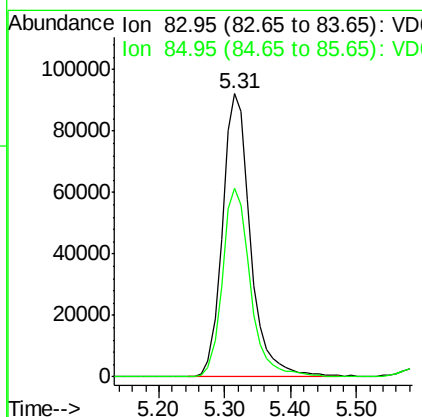
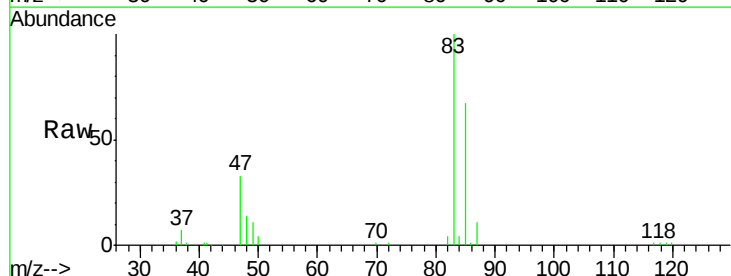
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

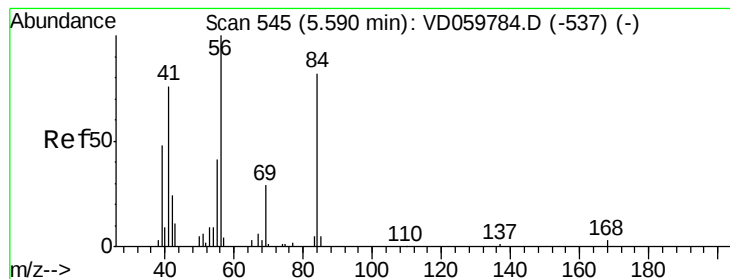
Tot Ion: 42 Resp: 84180
Ion Ratio Lower Upper
42 100
72 42.9 34.3 51.5
71 41.3 33.0 49.6



#30
Chloroform
Concen: 48.64 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 83 Resp: 272937
Ion Ratio Lower Upper
83 100
85 66.8 53.4 80.2





#31

Cyclohexane

Concen: 57.83 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

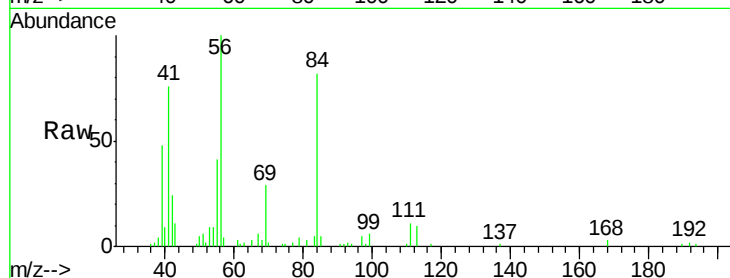
Tot Ion: 56 Resp: 149670

Ion Ratio Lower Upper

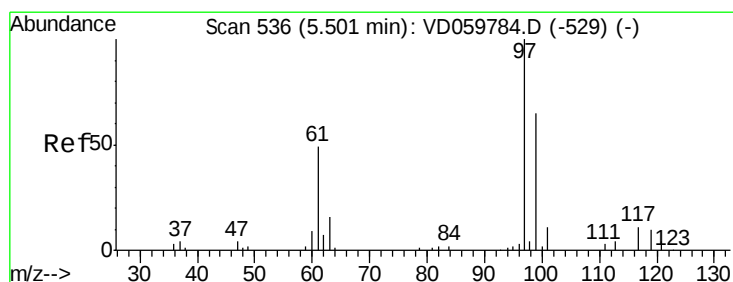
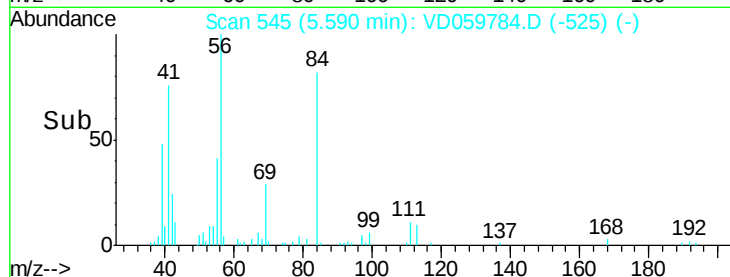
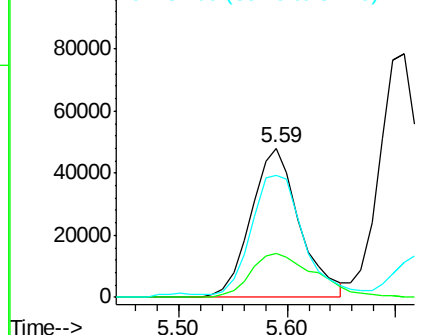
56 100

69 29.3 23.4 35.2

84 81.8 65.4 98.2



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



#32

1,1,1-Trichloroethane

Concen: 42.71 ug/l

RT: 5.50 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

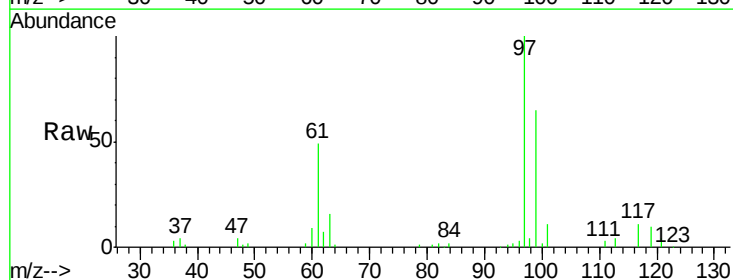
Tgt Ion: 97 Resp: 242136

Ion Ratio Lower Upper

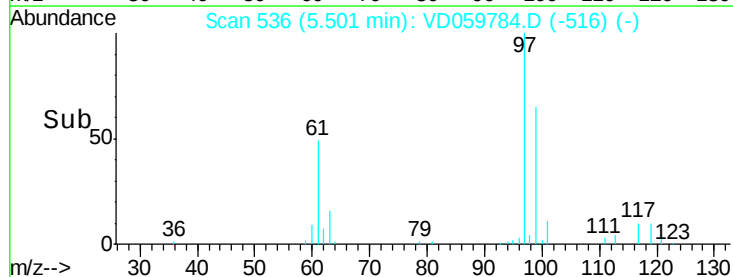
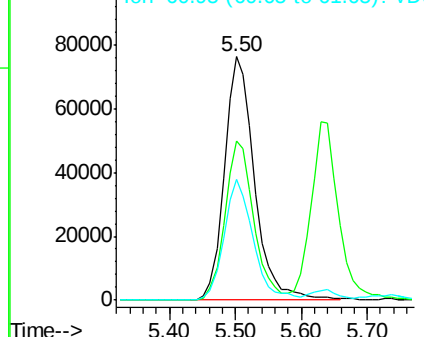
97 100

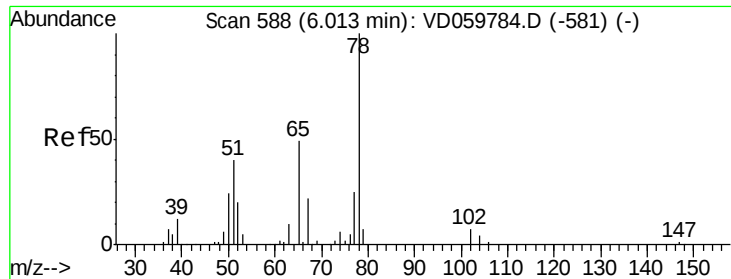
99 65.2 52.2 78.2

61 49.5 39.6 59.4



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

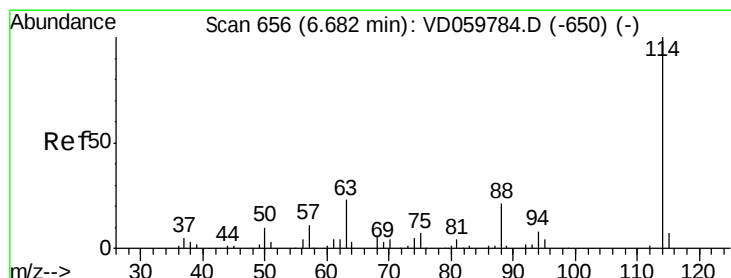
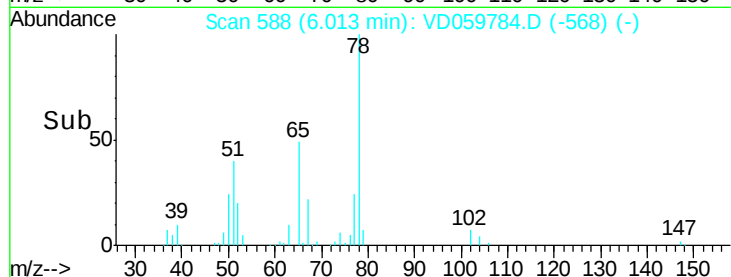
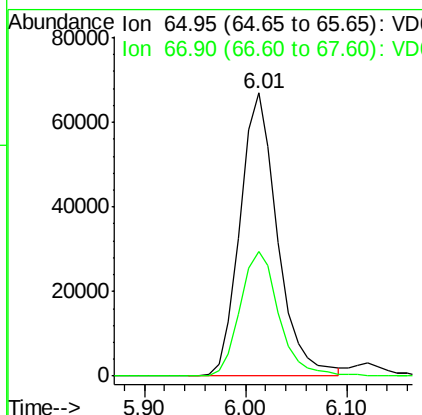
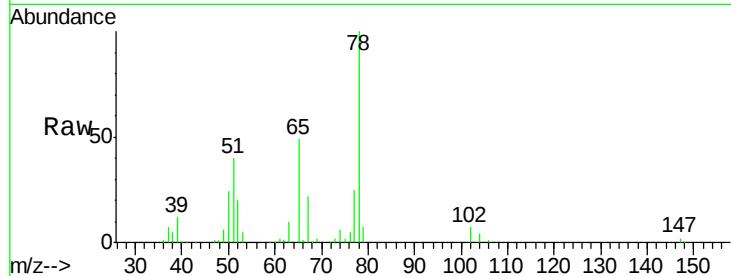




#33
 1,2-Dichloroethane-d4
 Concen: 42.71 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

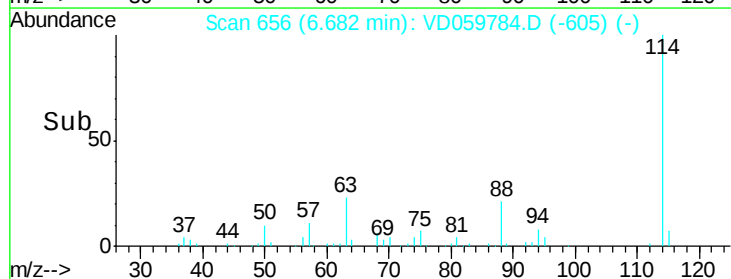
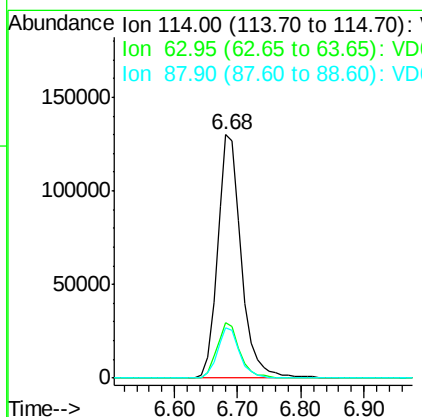
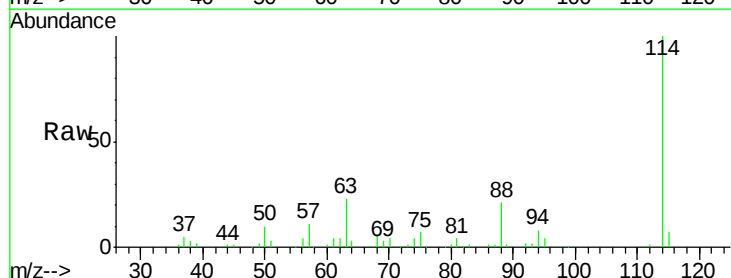
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

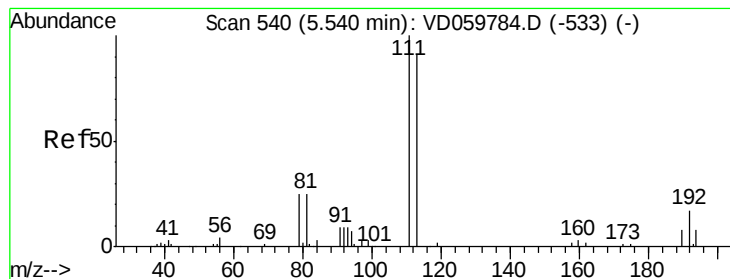
Tot Ion: 65 Resp: 173231
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 114 Resp: 337609
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 20.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

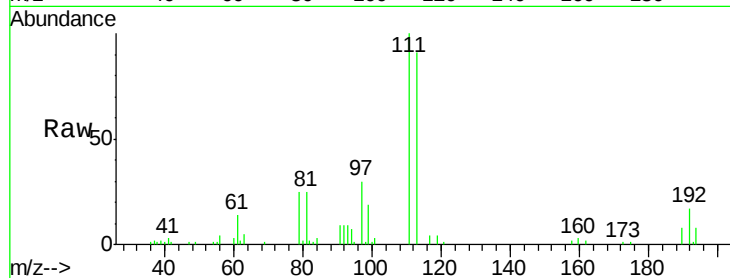
Tot Ion:113 Resp: 154607

Ion Ratio Lower Upper

113 100

111 109.6 87.7 131.5

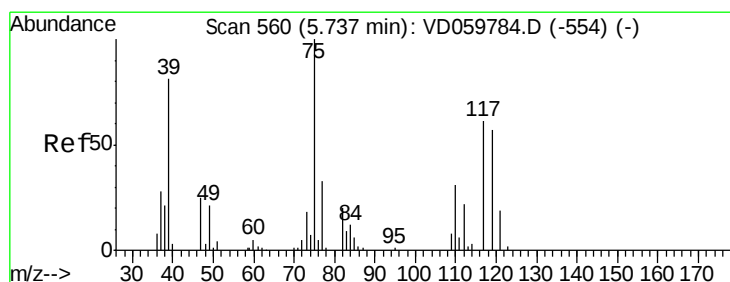
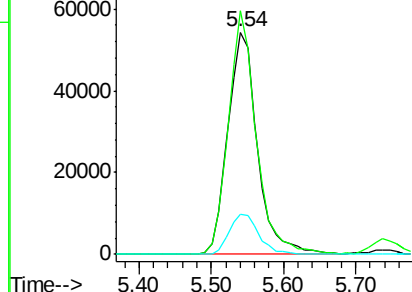
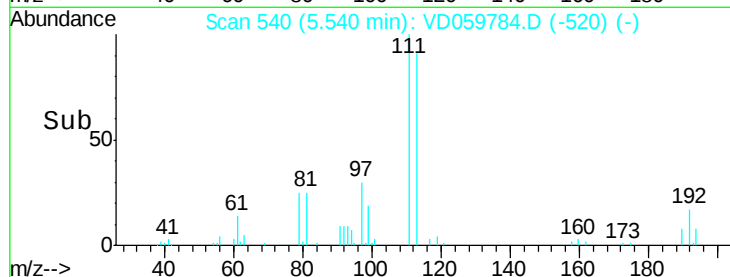
192 18.2 14.6 21.8



Abundance Ion 112.90 (112.60 to 113.60):

Ion 110.90 (110.60 to 111.60):

Ion 191.80 (191.50 to 192.50):



#36

1,1-Dichloropropene

Concen: 45.49 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

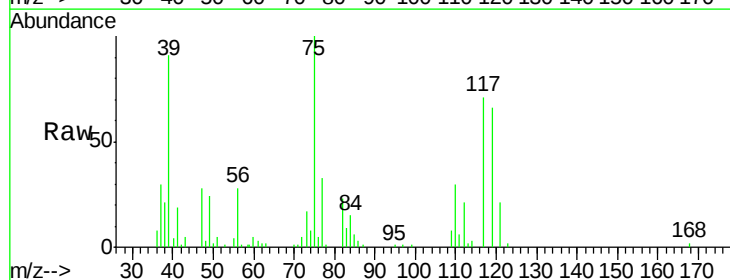
Tgt Ion: 75 Resp: 173100

Ion Ratio Lower Upper

75 100

110 30.5 15.3 45.8

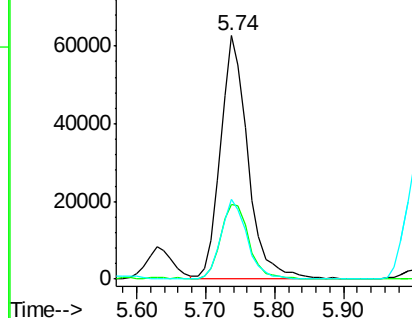
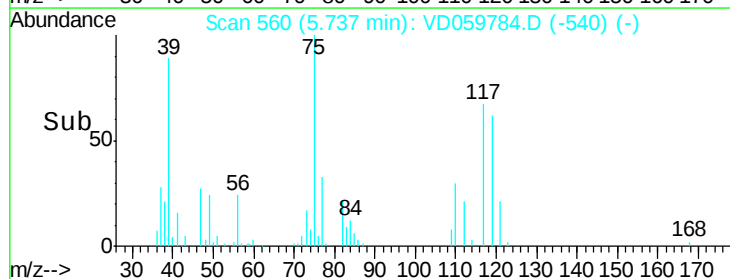
77 32.8 26.2 39.4

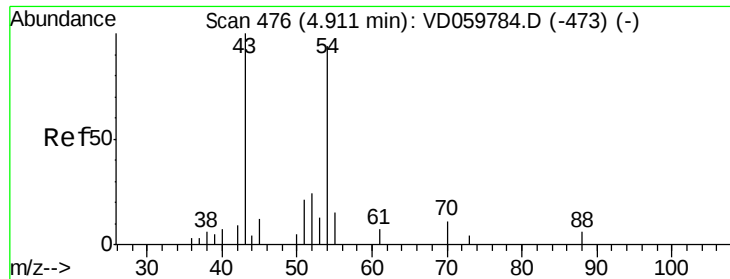


Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 109.90 (109.60 to 110.60):

Ion 76.95 (76.65 to 77.65): VD

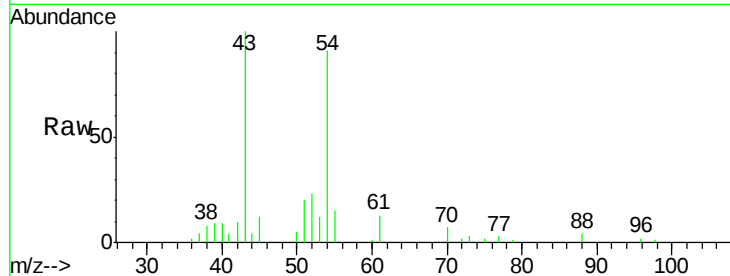




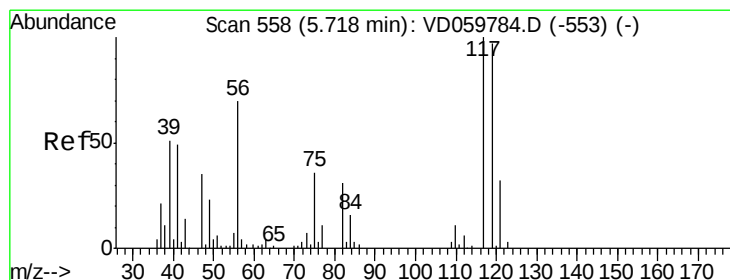
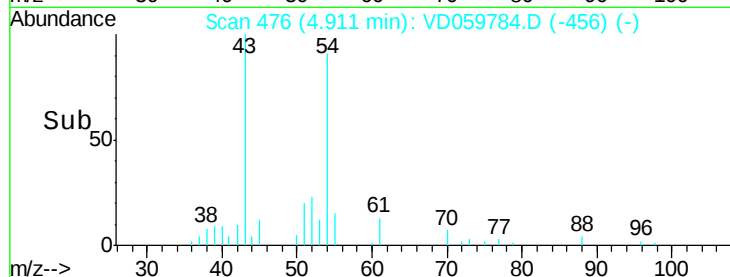
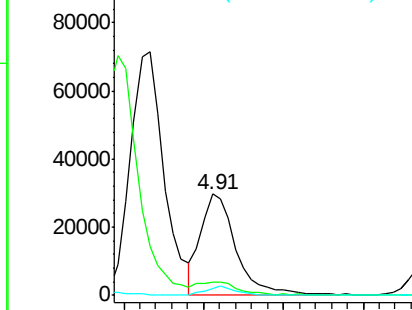
#37
Ethyl Acetate
Concen: 53.48 ug/l
RT: 4.91 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 90498
Ion Ratio Lower Upper
43 100
61 12.7 10.2 15.2
70 7.3 5.8 8.8

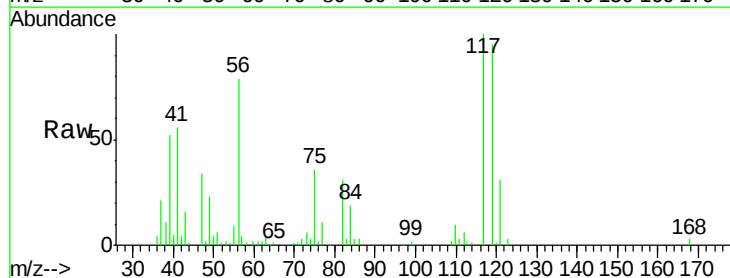


Abundance Ion 42.95 (42.65 to 43.65): VD
Ion 60.95 (60.65 to 61.65): VD
Ion 70.00 (69.70 to 70.70): VD

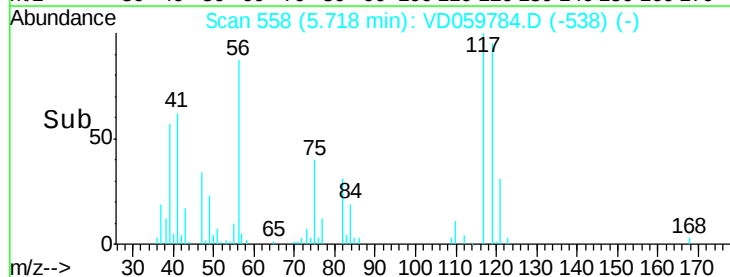
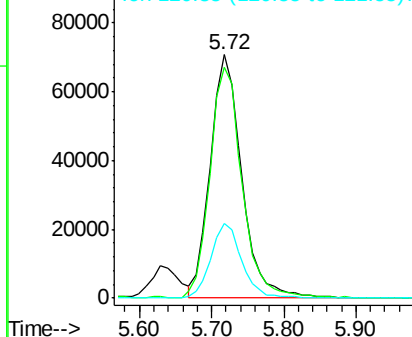


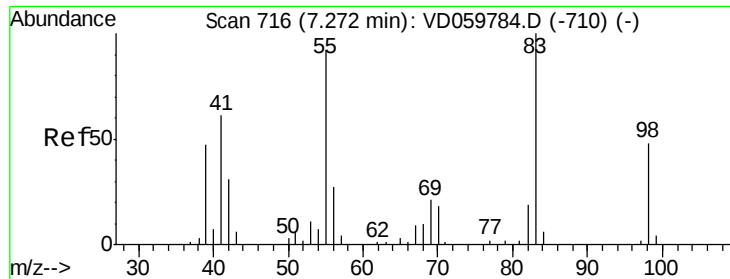
#38
Carbon Tetrachloride
Concen: 36.86 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 117 Resp: 213264
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 30.9 24.7 37.1



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

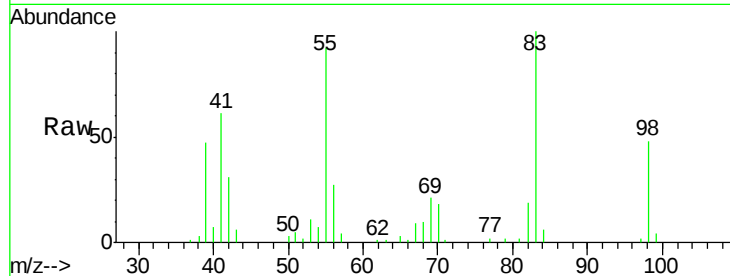




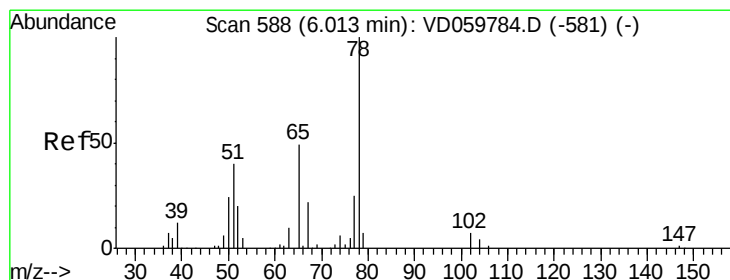
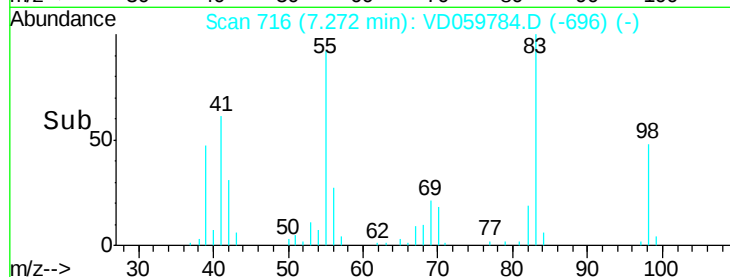
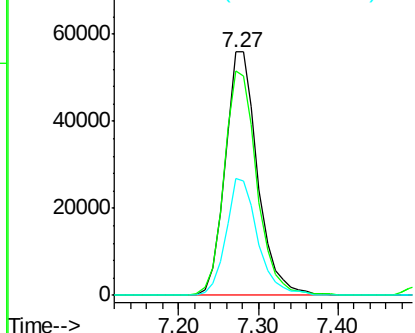
#39
Methvlcvclohexane
Concen: 54.62 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 159250
Ion Ratio Lower Upper
83 100
55 92.2 73.8 110.6
98 48.0 38.4 57.6

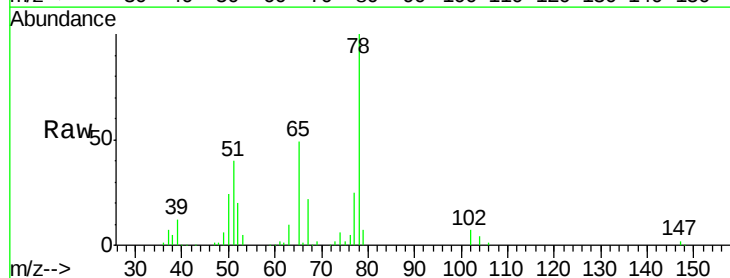


Abundance Ion 83.05 (82.75 to 83.75): VD
Ion 55.00 (54.70 to 55.70): VD
Ion 98.05 (97.75 to 98.75): VD

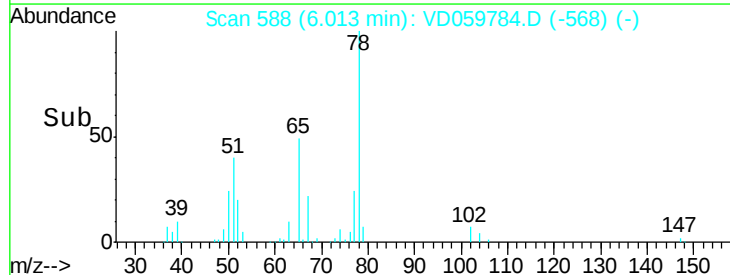
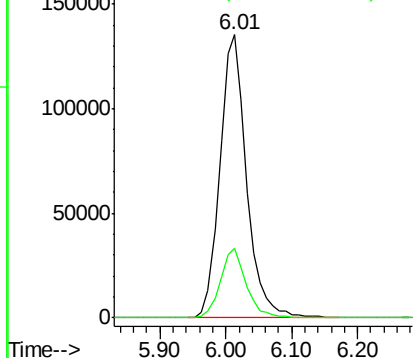


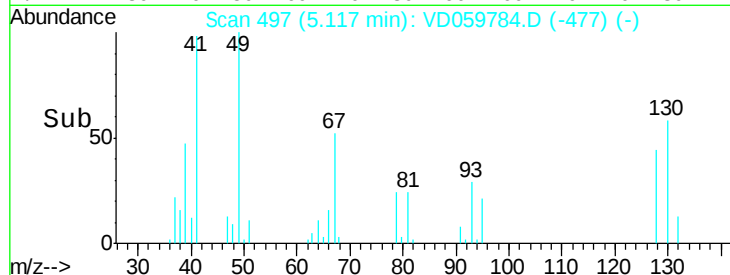
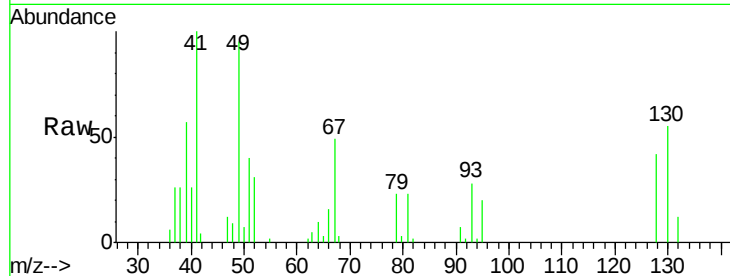
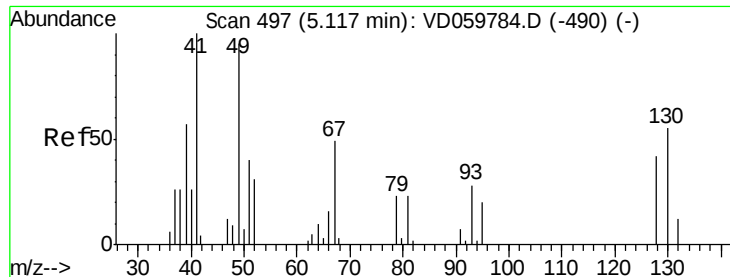
#40
Benzene
Concen: 55.29 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 78 Resp: 381265
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4



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

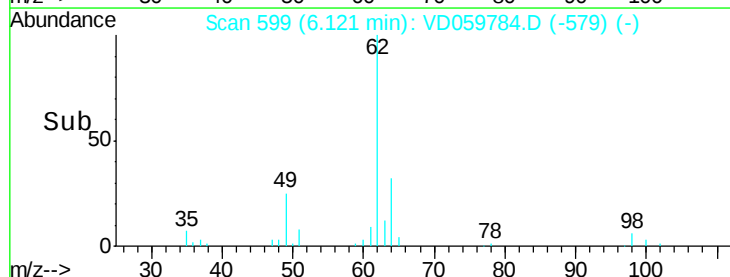
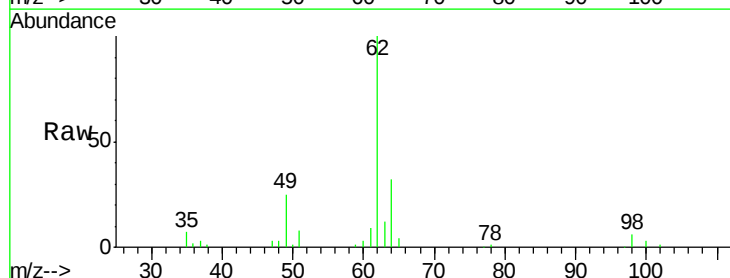
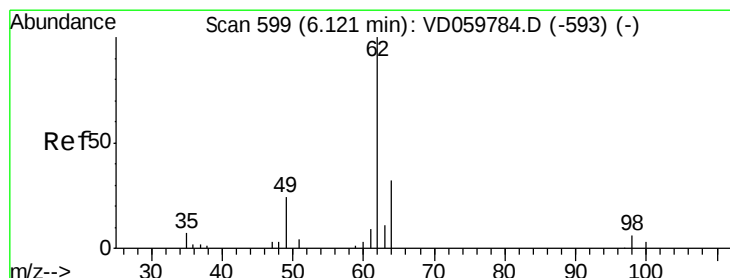
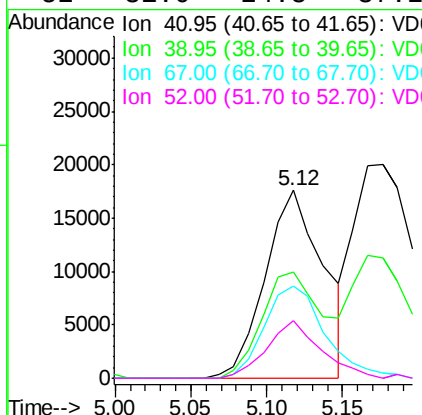




#41
Methacrylonitrile
Concen: 57.23 ug/l
RT: 5.12 min Scan# 497
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

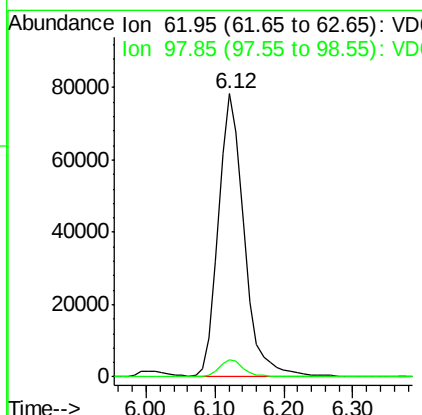
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

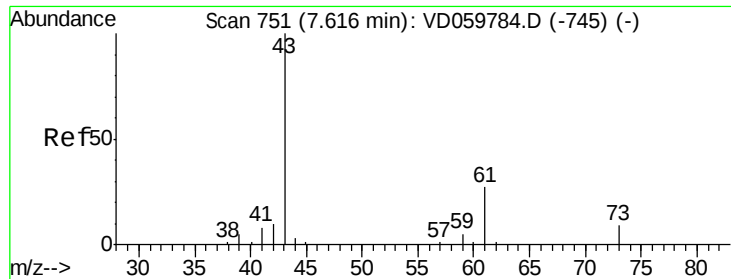
Tot Ion:	41	Resp:	47145
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.4	68.2
67	49.4	39.5	59.3
52	31.0	24.8	37.2



#42
1,2-Dichloroethane
Concen: 39.97 ug/l
RT: 6.12 min Scan# 599
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:	62	Resp:	203392
Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	12.0



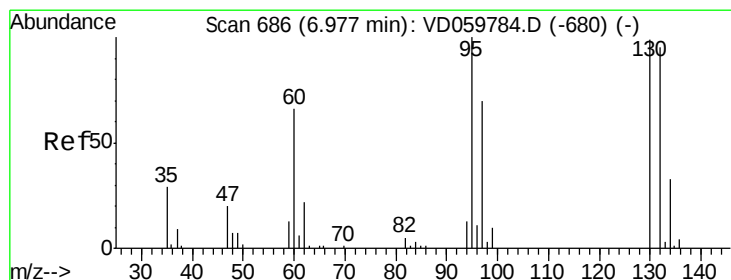
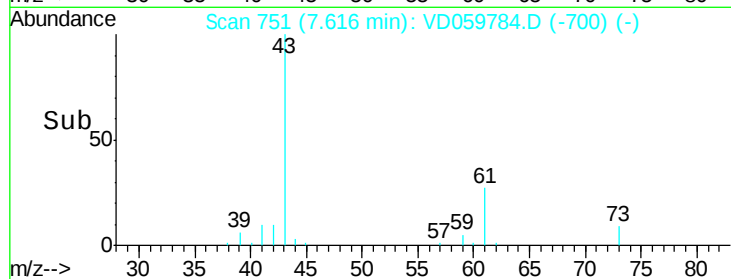
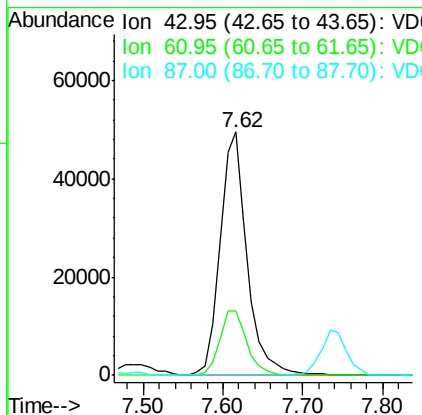
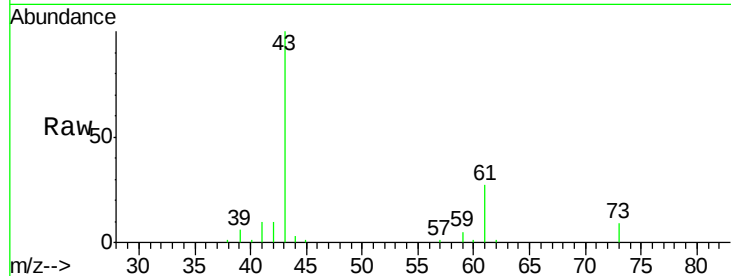


#43

Isopropyl Acetate
 Concen: 54.50 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

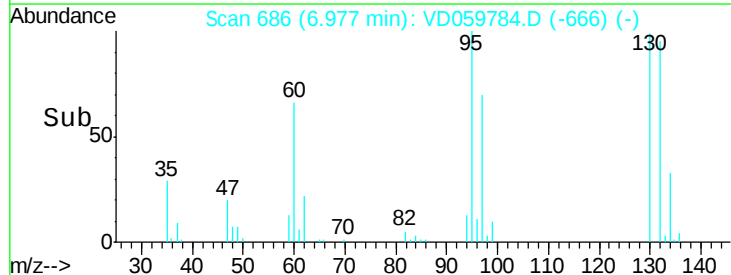
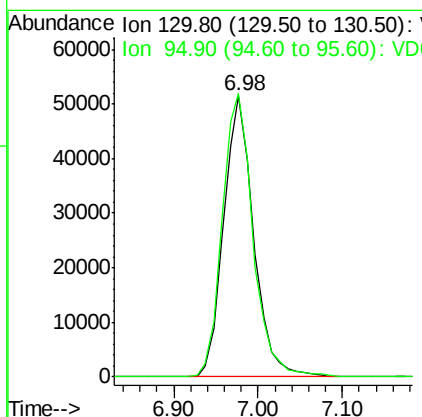
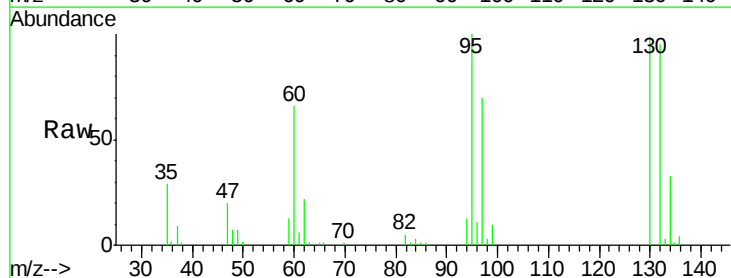
Tot Ion: 43 Resp: 117131
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.2 31.8
 87 0.0 0.0 0.0

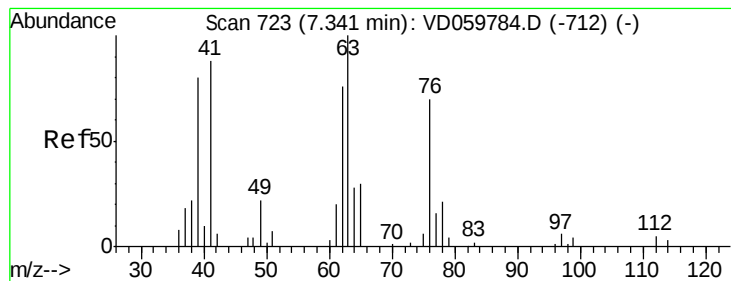


#44

Trichloroethene
 Concen: 47.31 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 130 Resp: 126682
 Ion Ratio Lower Upper
 130 100
 95 100.6 0.0 201.2





#45

1,2-Dichloropropane

Concen: 58.15 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

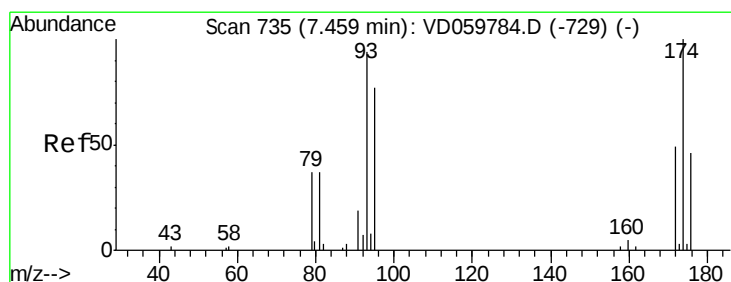
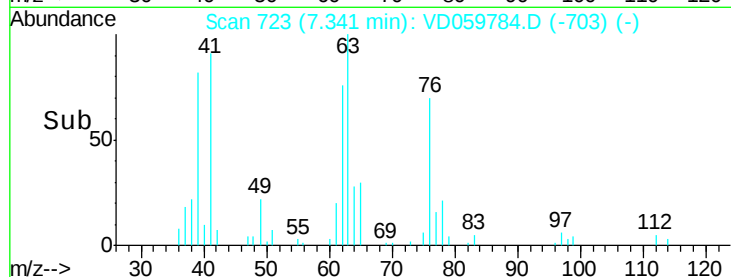
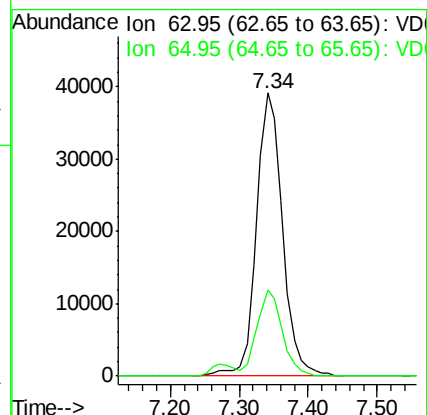
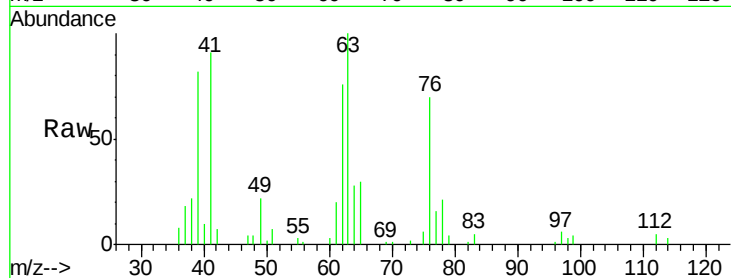
VSTDICCC050

Tot Ion: 63 Resp: 103437

Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.4



#46

Dibromomethane

Concen: 45.74 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

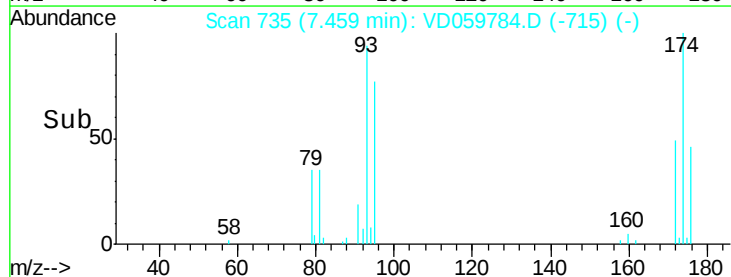
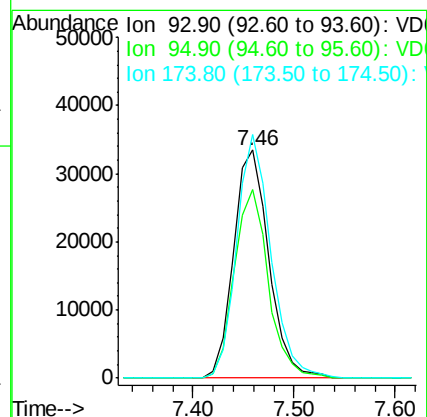
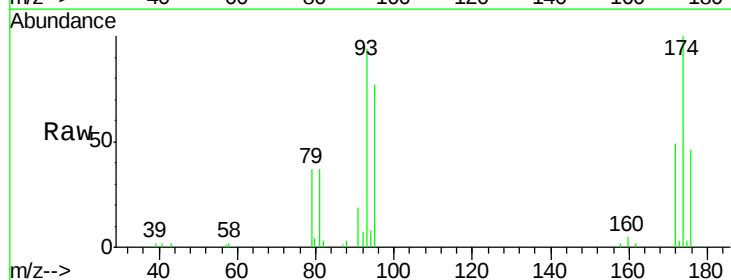
Tgt Ion: 93 Resp: 81187

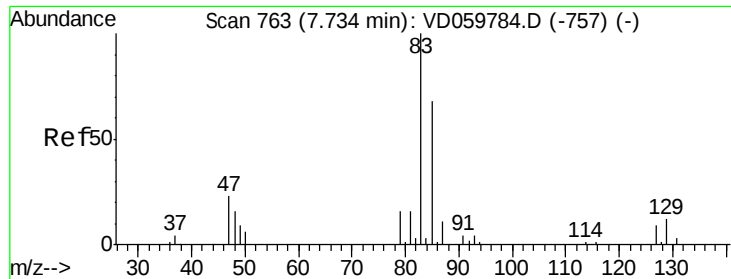
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 106.9 85.5 128.3





#47

Bromodichloromethane

Concen: 42.56 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

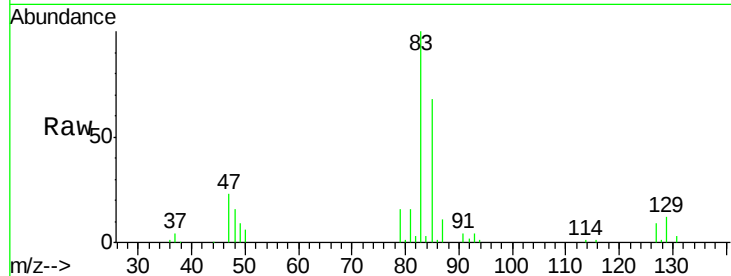
Tot Ion: 83 Resp: 197776

Ion Ratio Lower Upper

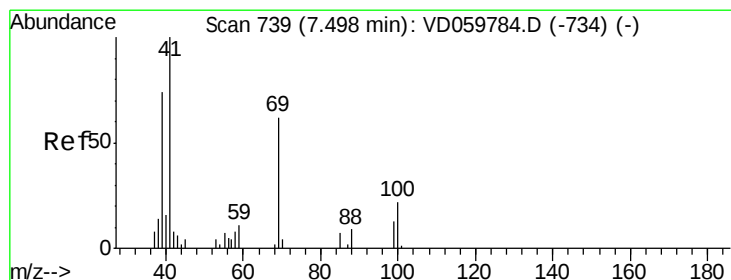
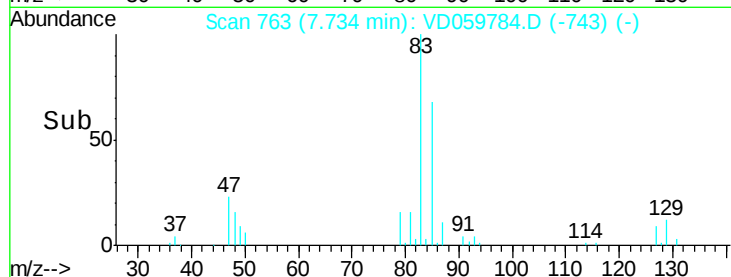
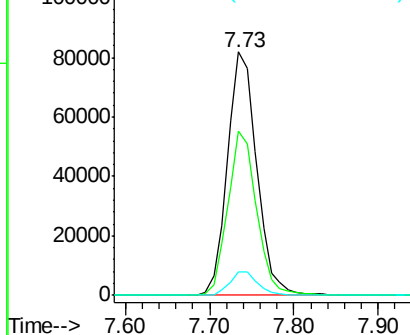
83 100

85 67.6 54.1 81.1

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 50.55 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

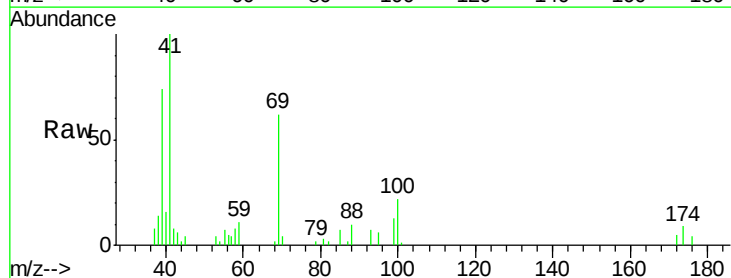
Tgt Ion: 41 Resp: 77948

Ion Ratio Lower Upper

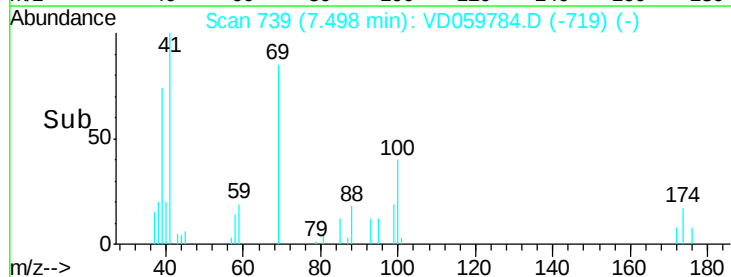
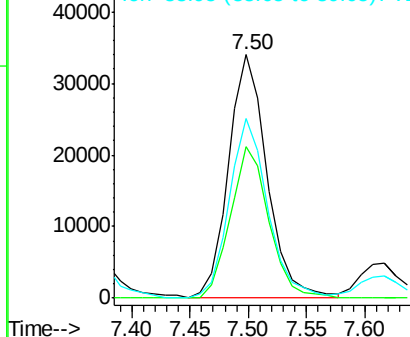
41 100

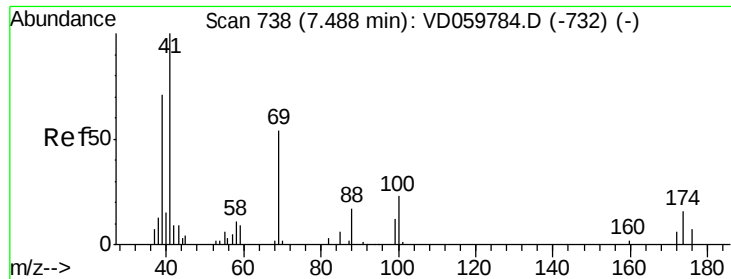
69 62.3 49.8 74.8

39 73.7 59.0 88.4



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





#49

1,4-Dioxane

Concen: 1227.29 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

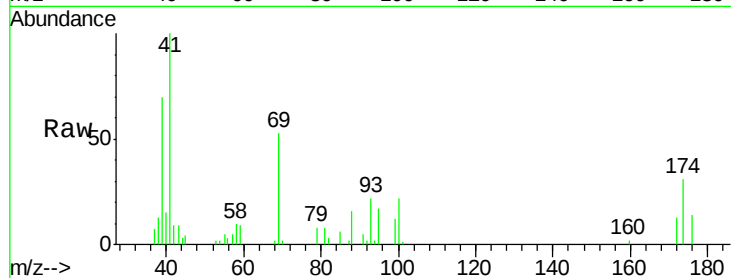
Tot Ion: 88 Resp: 13477

Ion Ratio Lower Upper

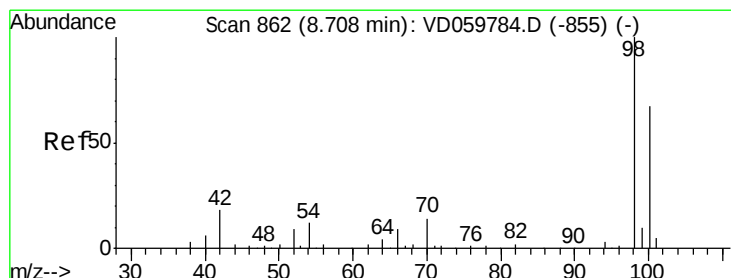
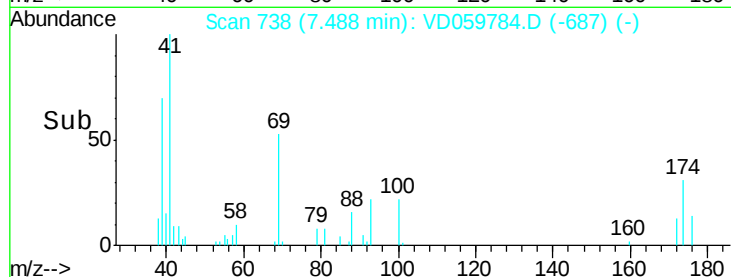
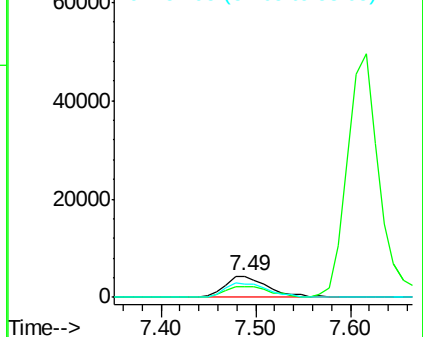
88 100

43 52.5 42.0 63.0

58 64.2 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 57.95 (57.65 to 58.65): VD



#50

Toluene-d8

Concen: 1227.29 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD059784.D

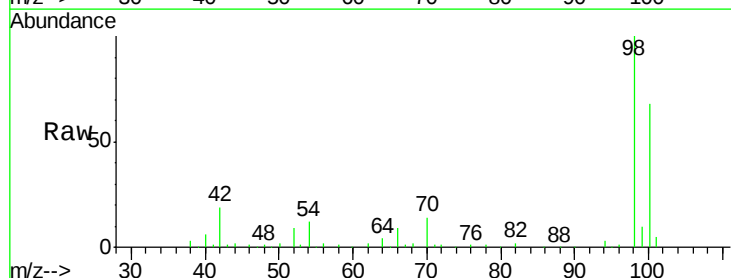
Acq: 15 Aug 2018 00:51

Tgt Ion: 98 Resp: 362209

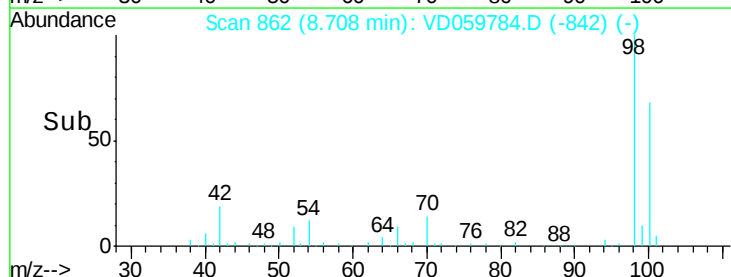
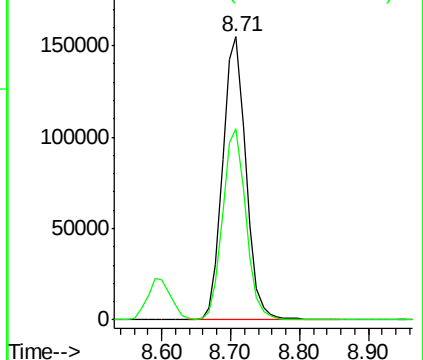
Ion Ratio Lower Upper

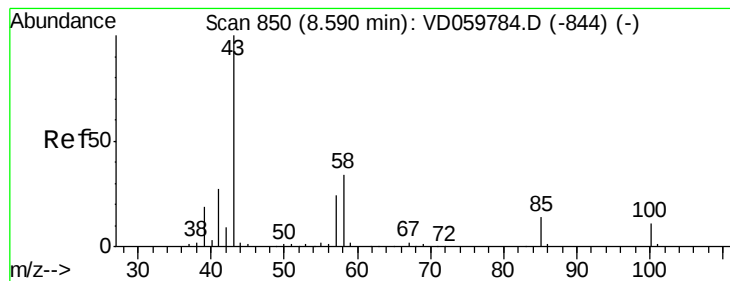
98 100

100 67.8 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 288.81 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

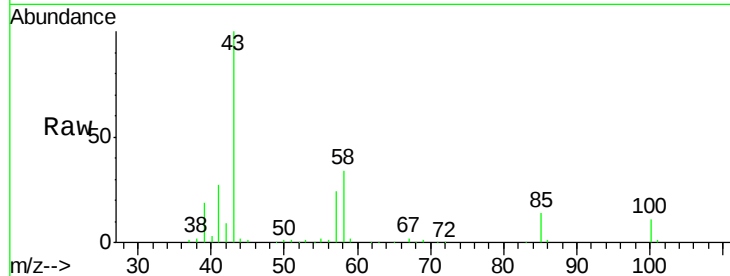
VSTDICCC050

Tot Ion: 43 Resp: 477520

Ion Ratio Lower Upper

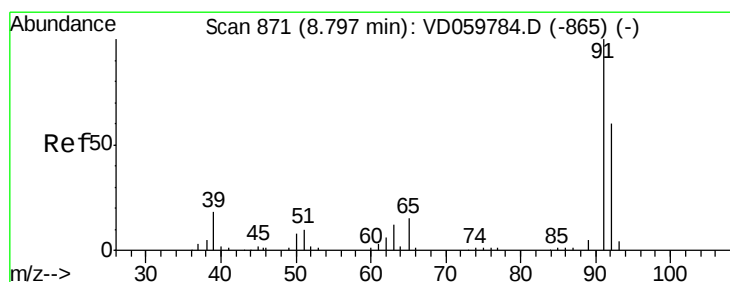
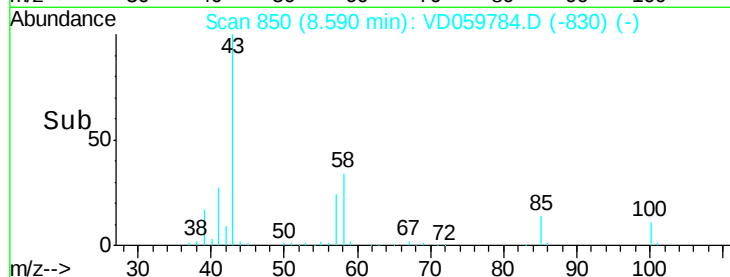
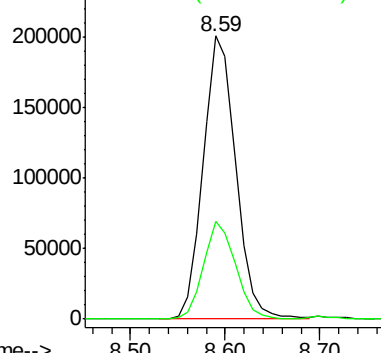
43 100

58 34.4 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#52

Toluene

Concen: 54.11 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059784.D

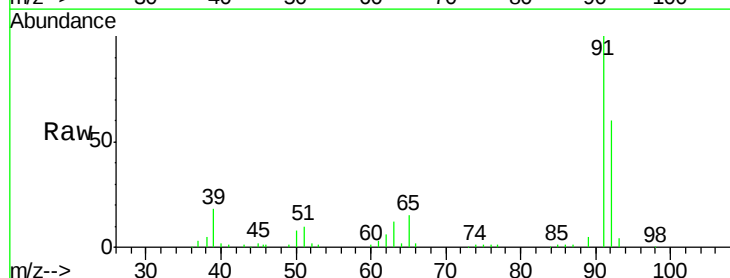
Acq: 15 Aug 2018 00:51

Tgt Ion: 92 Resp: 240305

Ion Ratio Lower Upper

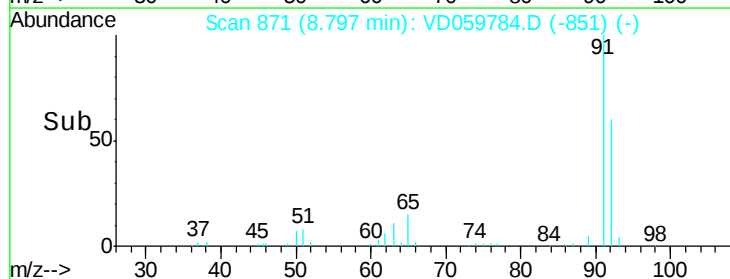
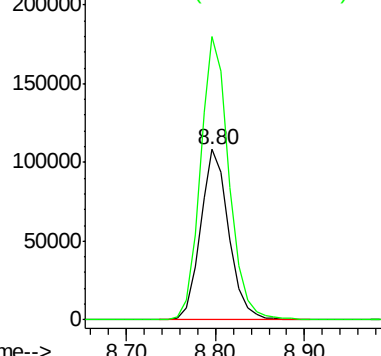
92 100

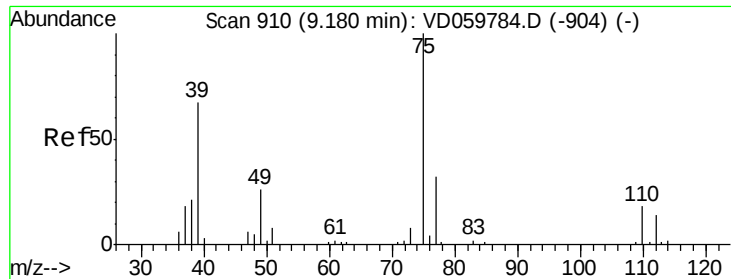
91 166.4 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VD

Ion 91.00 (90.70 to 91.70): VD





#53

t-1,3-Dichloropropene

Concen: 43.15 ug/l

RT: 9.18 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

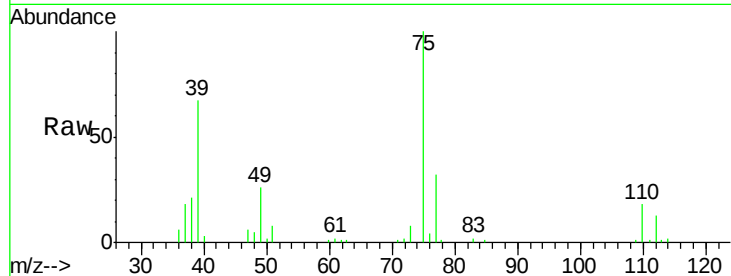
VSTDICCC050

Tot Ion: 75 Resp: 161876

Ion Ratio Lower Upper

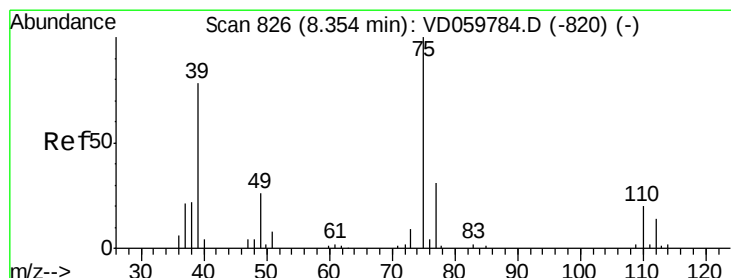
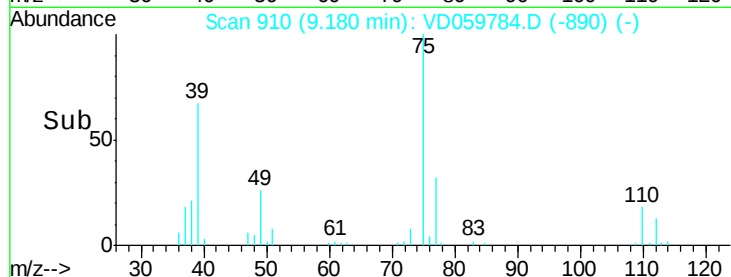
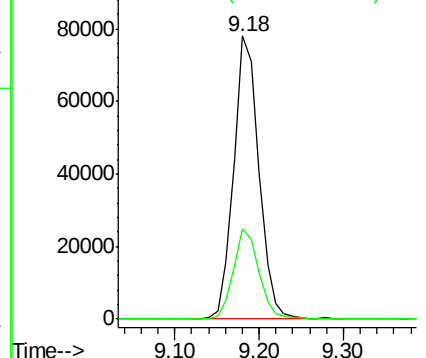
75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 76.95 (76.65 to 77.65): VD



#54

cis-1,3-Dichloropropene

Concen: 49.04 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

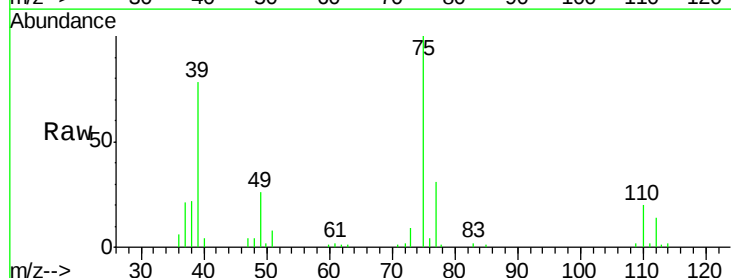
Tgt Ion: 75 Resp: 182814

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

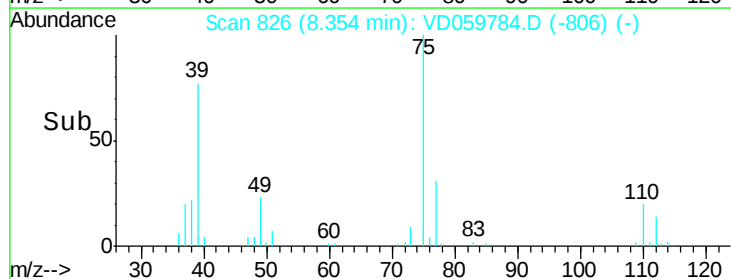
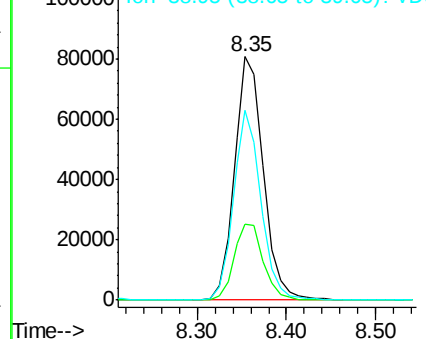
39 78.1 62.5 93.7

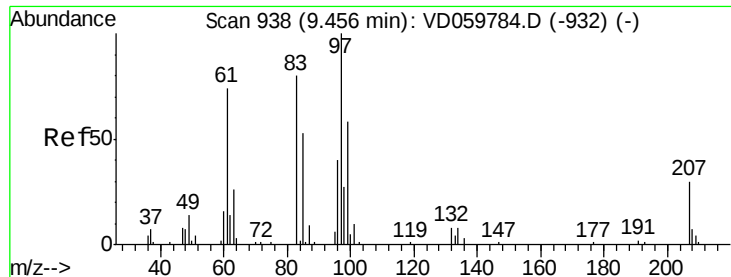


Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 76.95 (76.65 to 77.65): VD

Ion 38.95 (38.65 to 39.65): VD





#55

1,1,2-Trichloroethane

Concen: 50.83 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 87581

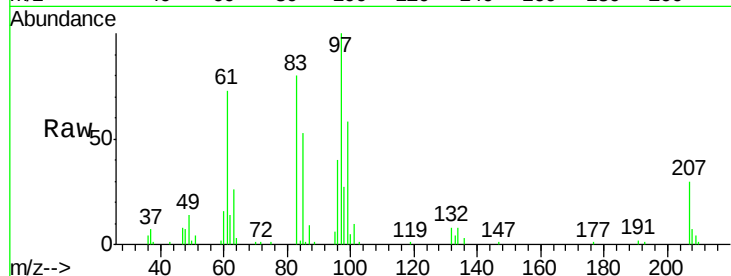
Ion Ratio Lower Upper

97 100

83 79.8 63.8 95.8

85 53.1 42.5 63.7

99 57.8 46.2 69.4



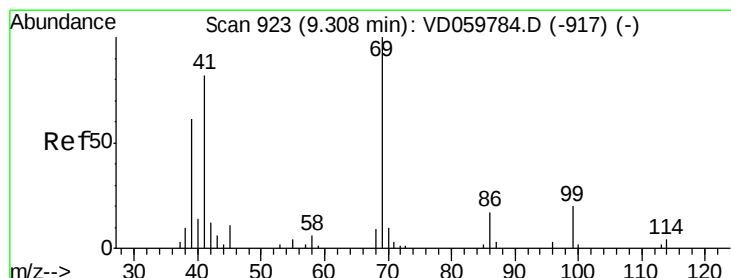
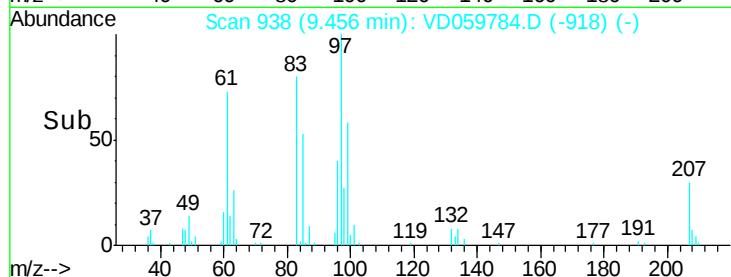
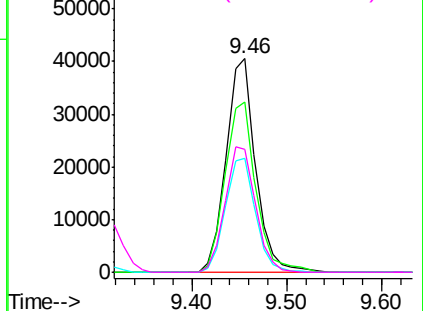
Abundance

Ion 96.85 (96.55 to 97.55): VD

Ion 82.95 (82.65 to 83.65): VD

Ion 84.95 (84.65 to 85.65): VD

Ion 98.85 (98.55 to 99.55): VD



#56

Ethyl methacrylate

Concen: 51.46 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

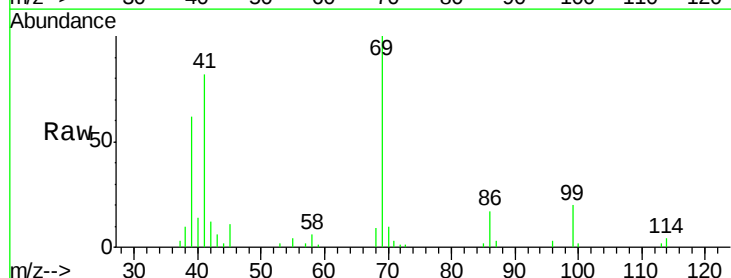
Tgt Ion: 69 Resp: 101052

Ion Ratio Lower Upper

69 100

41 82.3 65.8 98.8

39 62.1 49.7 74.5

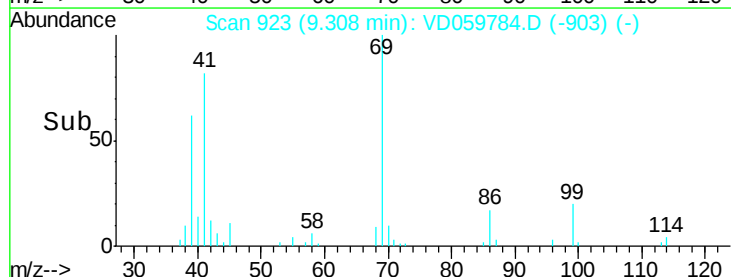
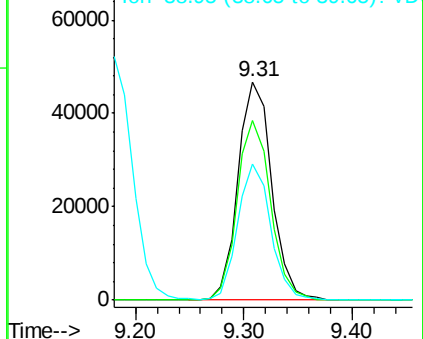


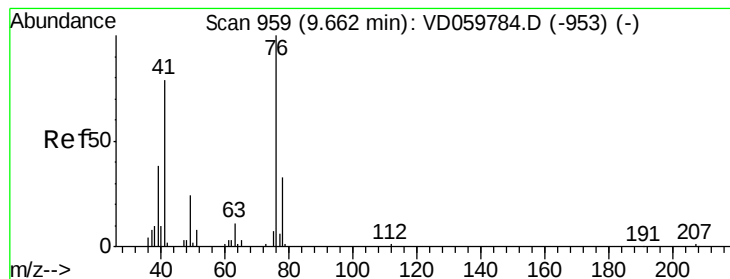
Abundance

Ion 69.00 (68.70 to 69.70): VD

Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD





#57

1,3-Dichloropropane

Concen: 48.05 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

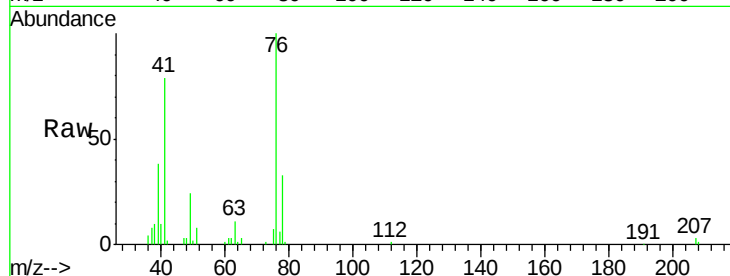
VSTDICCC050

Tot Ion: 76 Resp: 135466

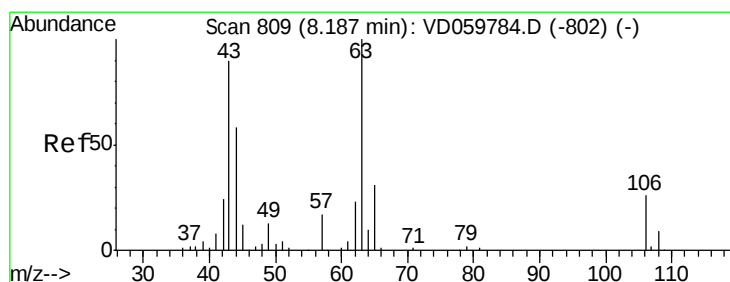
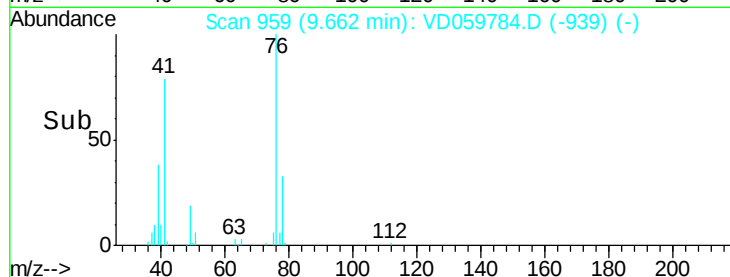
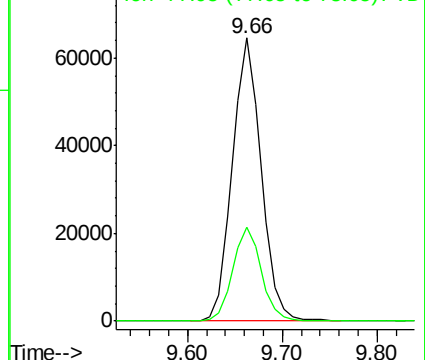
Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VD
Ion 77.95 (77.65 to 78.65): VD



#58

2-Chloroethyl Vinyl ether

Concen: 253.30 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059784.D

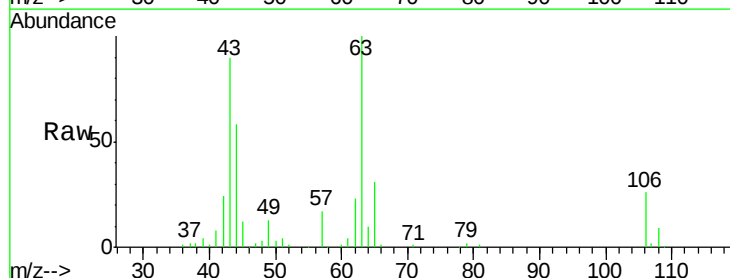
Acq: 15 Aug 2018 00:51

Tgt Ion: 63 Resp: 228376

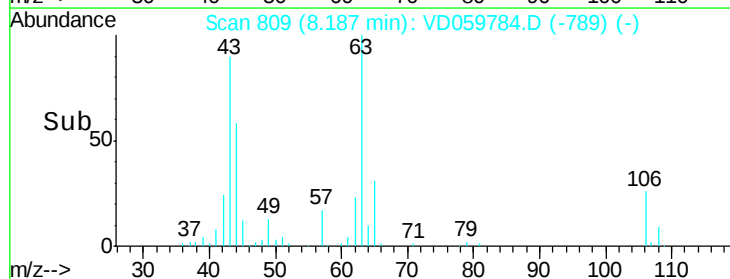
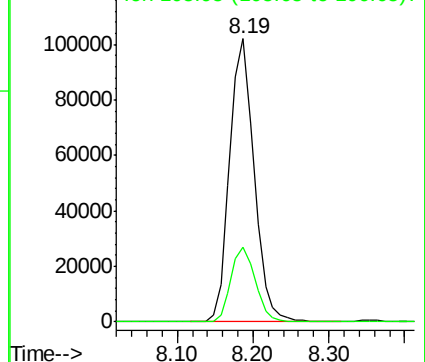
Ion Ratio Lower Upper

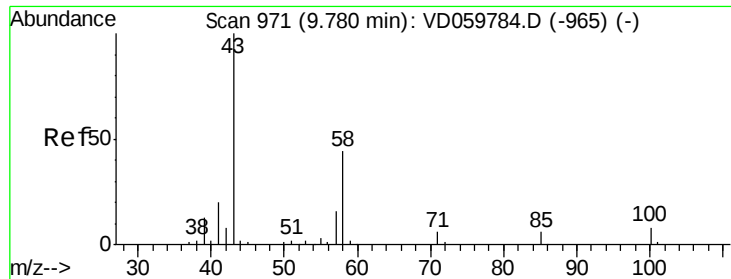
63 100

106 26.4 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VD
Ion 105.95 (105.65 to 106.65):

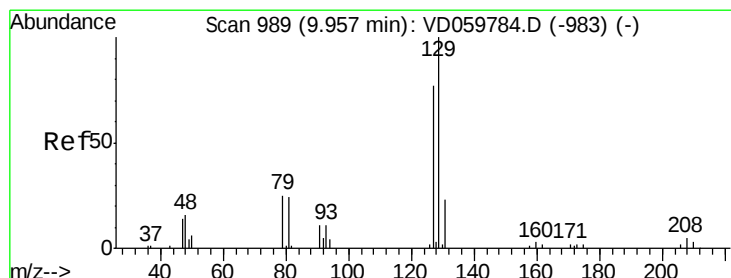
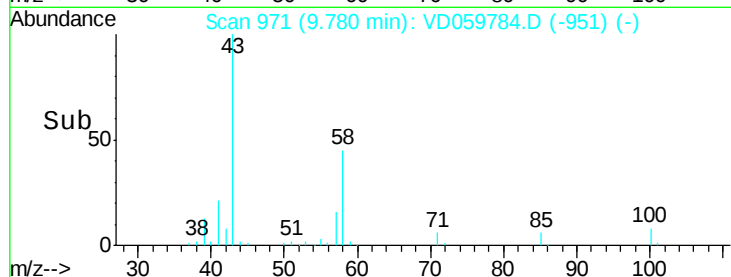
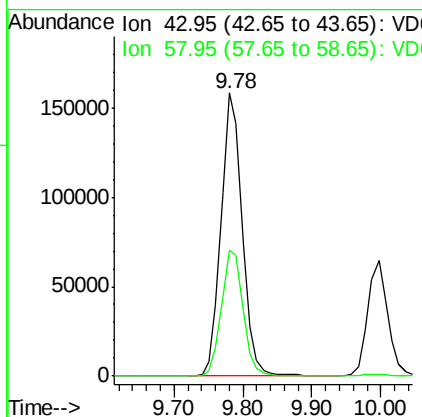
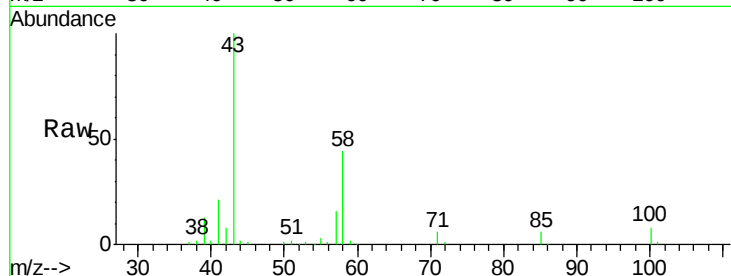




#59
2-Hexanone
Concen: 277.30 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

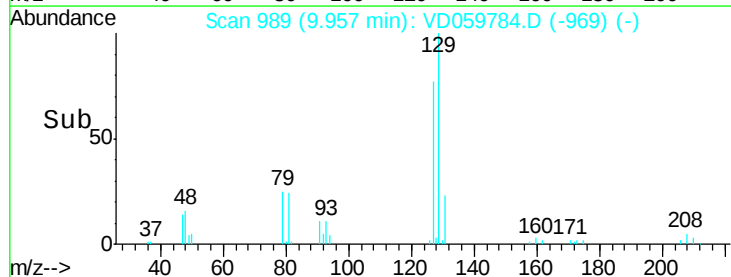
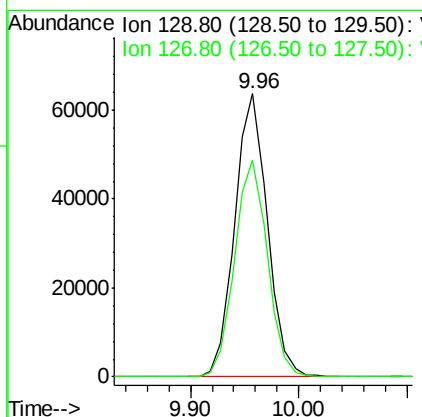
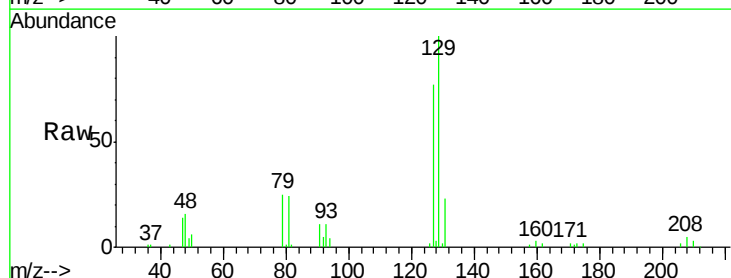
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

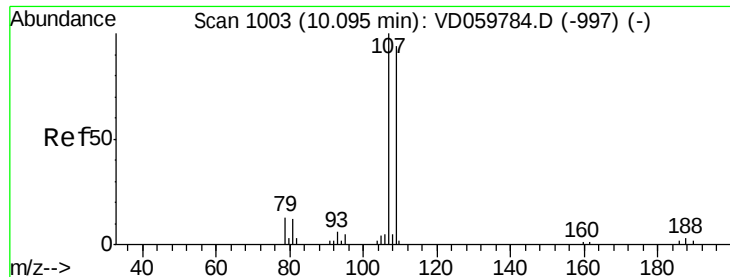
Tot Ion: 43 Resp: 337554
Ion Ratio Lower Upper
43 100
58 44.5 22.3 66.8



#60
Dibromochloromethane
Concen: 41.85 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:129 Resp: 132739
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1

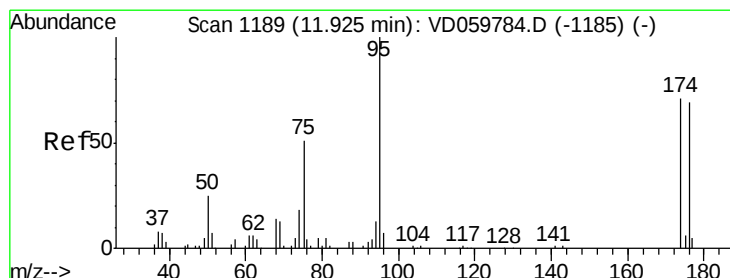
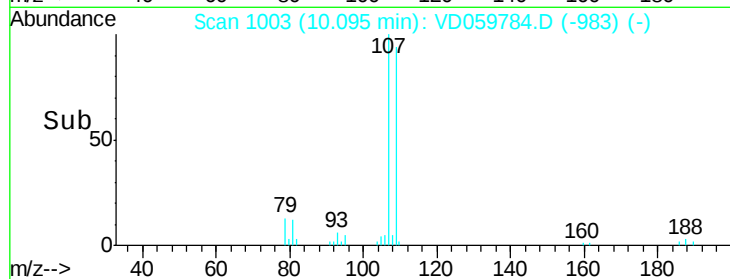
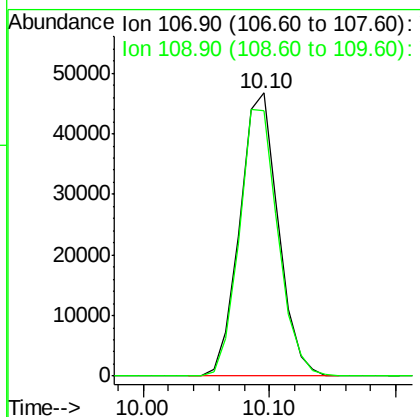
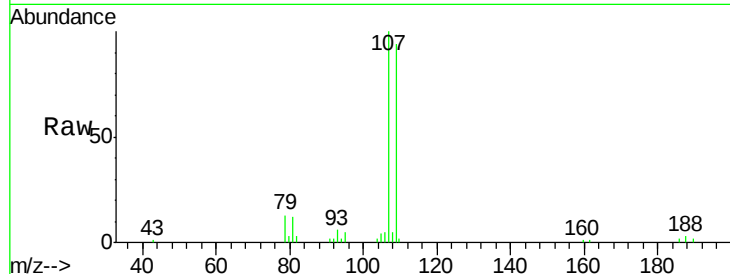




#61
 1,2-Dibromoethane
 Concen: 46.99 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

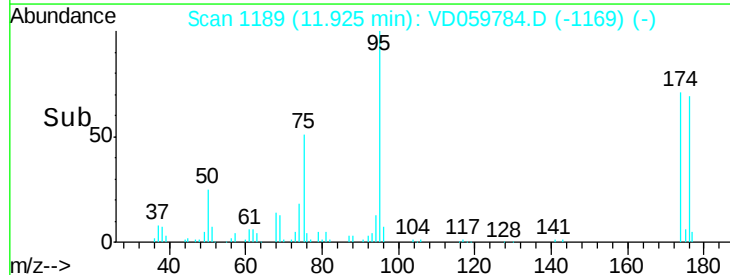
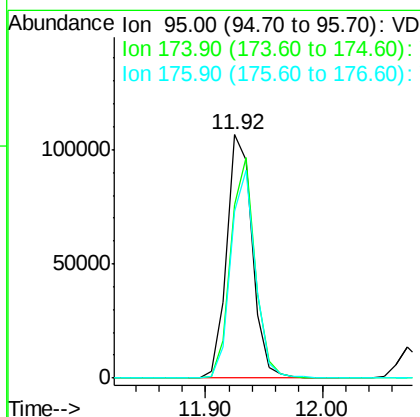
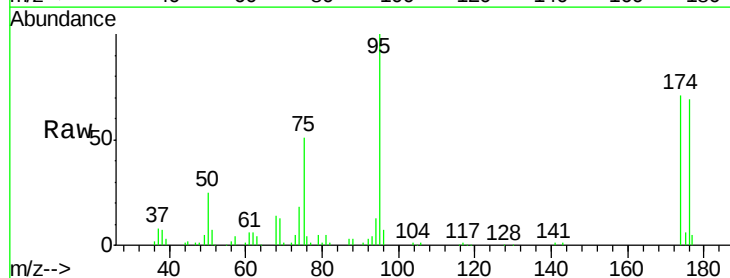
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

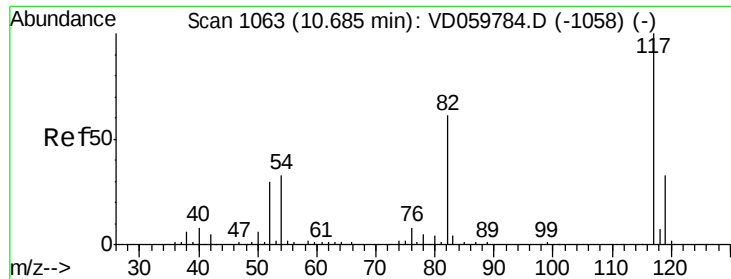
Tot Ion:107 Resp: 98558
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.99 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion: 95 Resp: 161654
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 142.2
 176 68.7 0.0 137.4

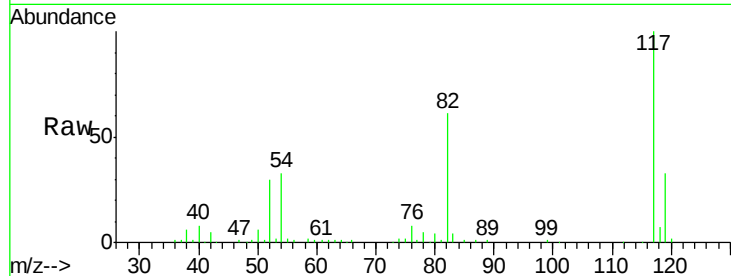




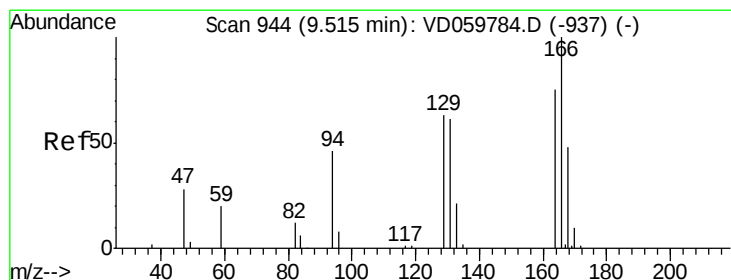
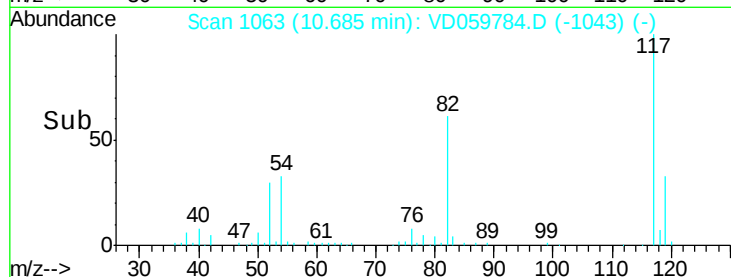
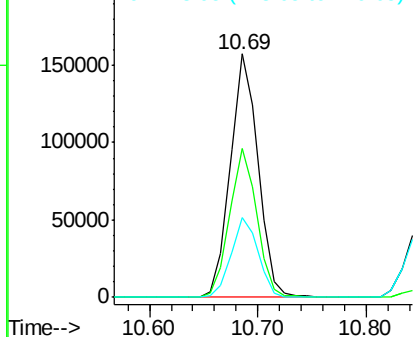
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 279068
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 32.7 26.2 39.2

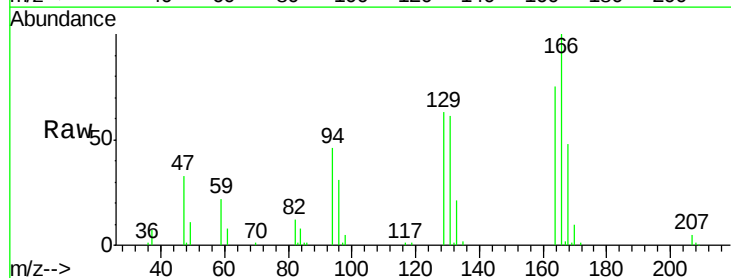


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

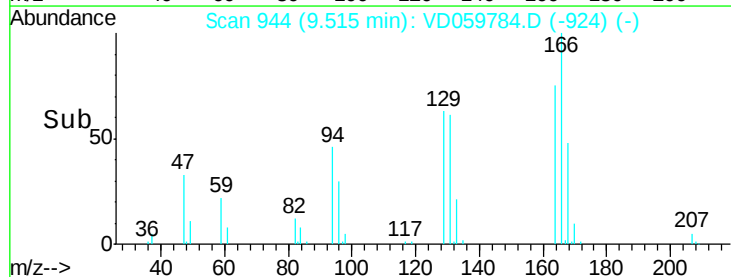
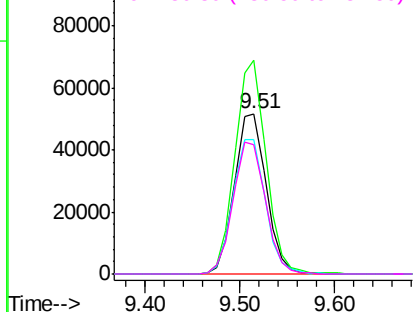


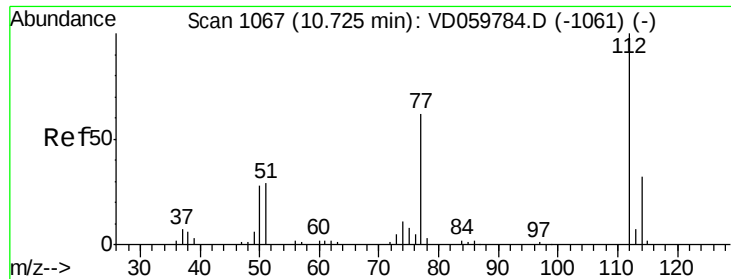
#64
Tetrachloroethene
Concen: 45.07 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:164 Resp: 120240
Ion Ratio Lower Upper
164 100
166 133.5 106.8 160.2
129 84.0 67.2 100.8
131 80.9 64.7 97.1



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

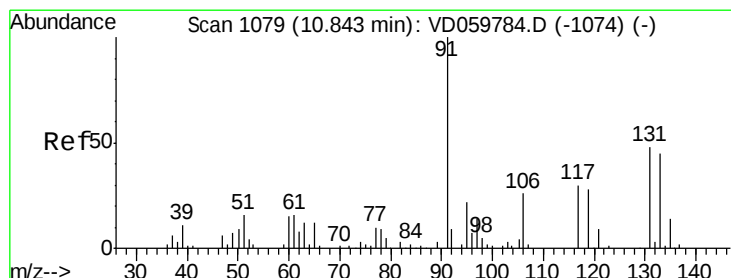
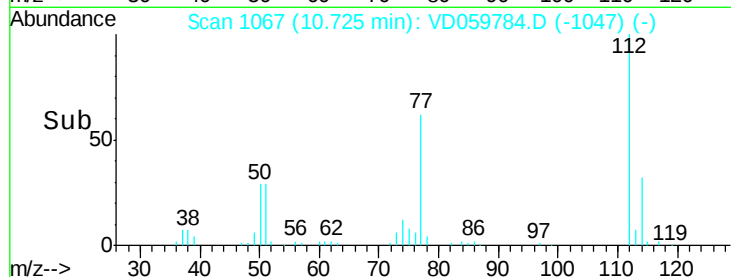
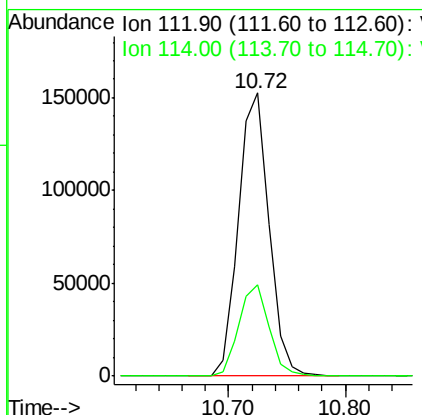
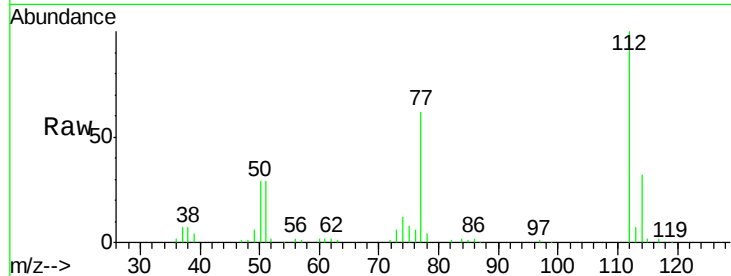




#65
Chlorobenzene
Concen: 49.11 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

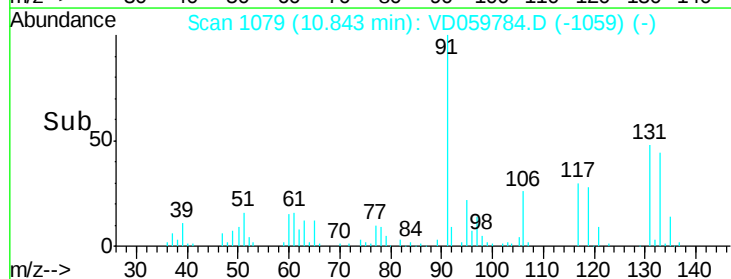
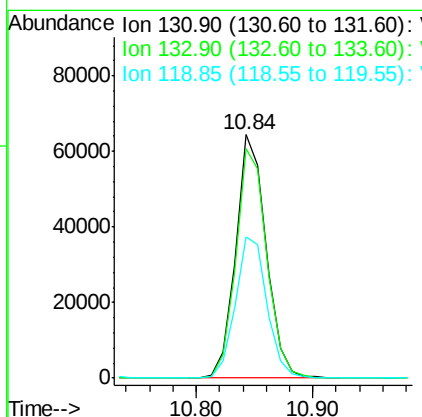
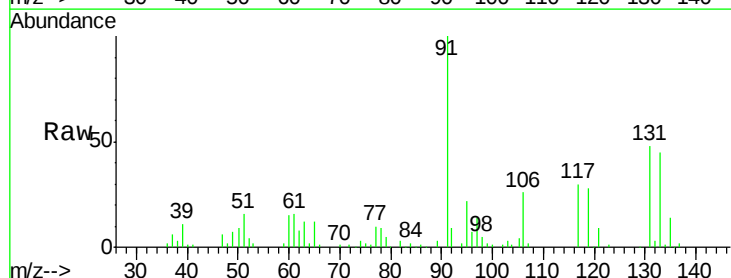
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

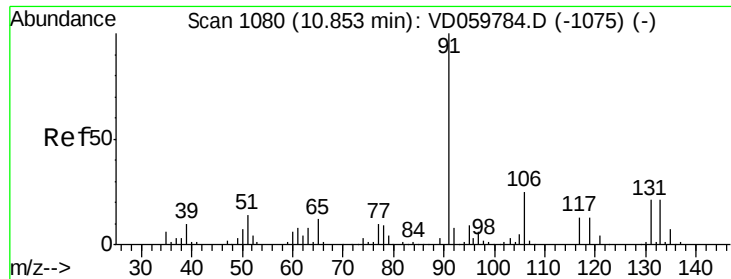
Tot Ion:112 Resp: 277321
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 42.03 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:131 Resp: 115896
Ion Ratio Lower Upper
131 100
133 94.0 47.0 141.0
119 58.1 29.0 87.1

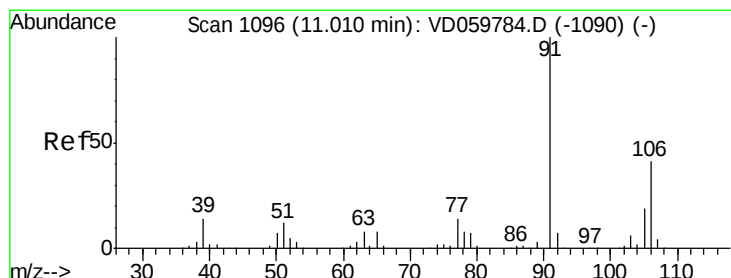
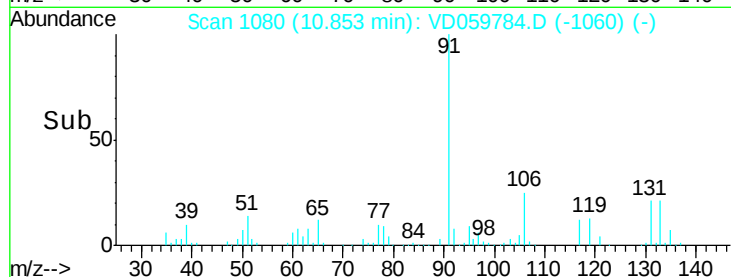
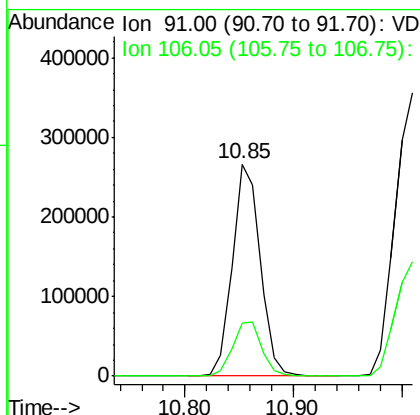
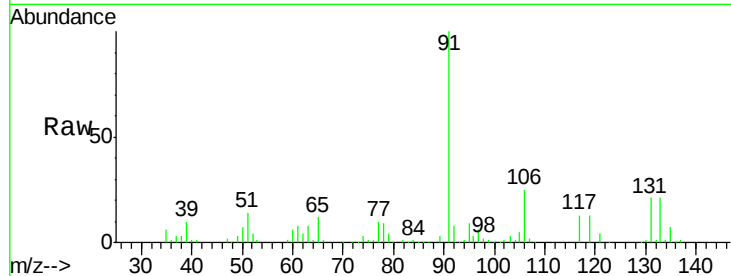




#67
Ethyl Benzene
Concen: 45.67 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

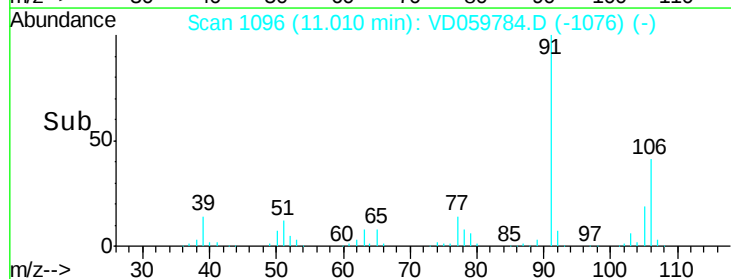
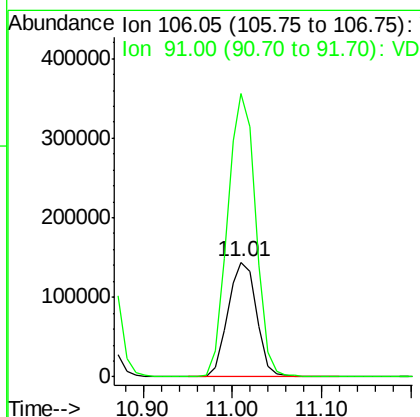
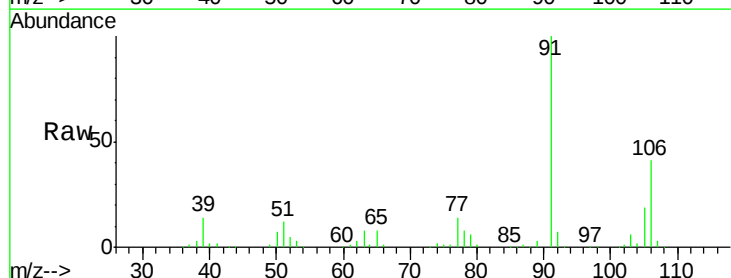
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

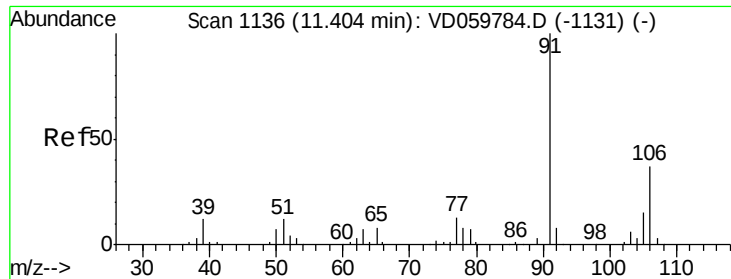
Tot Ion: 91 Resp: 476690
Ion Ratio Lower Upper
91 100
106 25.1 20.1 30.1



#68
m/p-Xylenes
Concen: 94.85 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 106 Resp: 324243
Ion Ratio Lower Upper
106 100
91 246.7 197.4 296.0

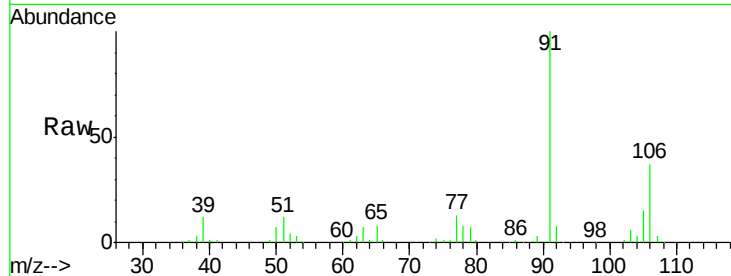




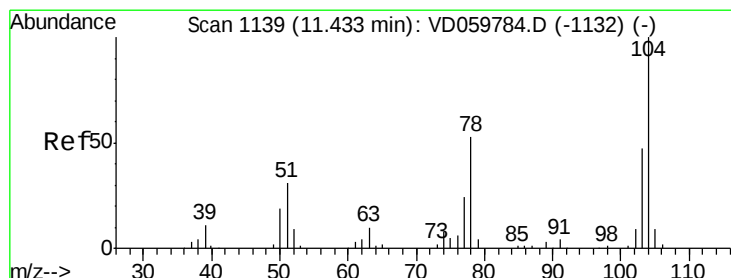
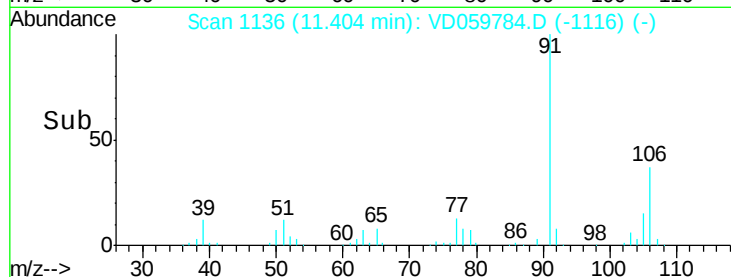
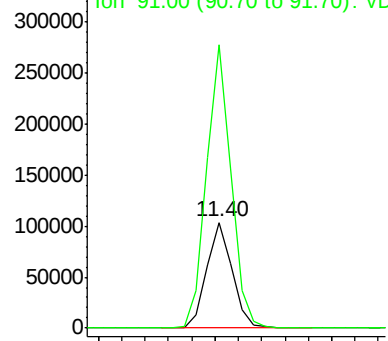
#69
o-Xylene
Concen: 47.74 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 157684
Ion Ratio Lower Upper
106 100
91 267.4 133.7 401.1

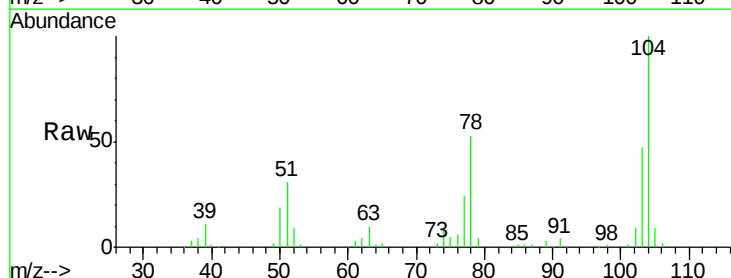


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

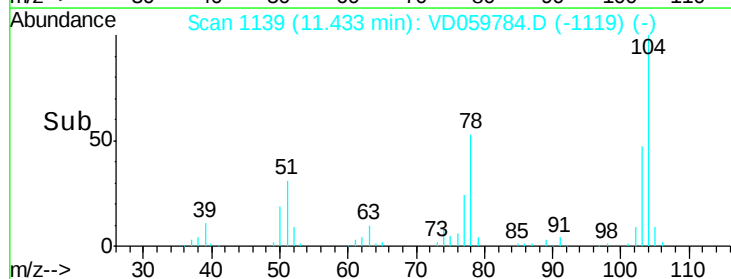
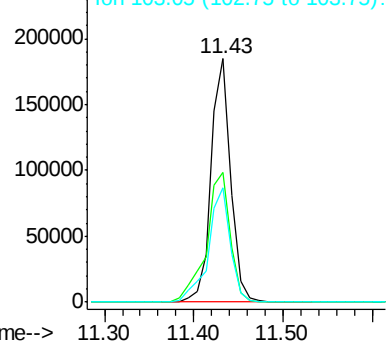


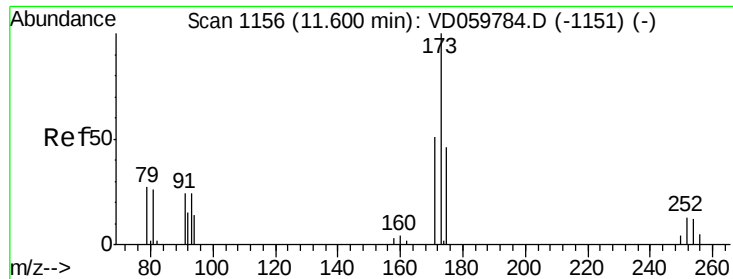
#70
Styrene
Concen: 51.93 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:104 Resp: 284254
Ion Ratio Lower Upper
104 100
78 53.3 42.6 64.0
103 47.2 37.8 56.6



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

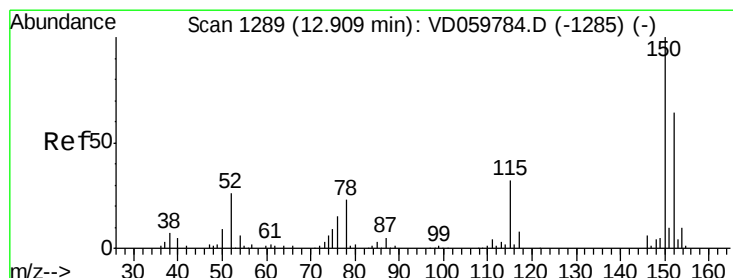
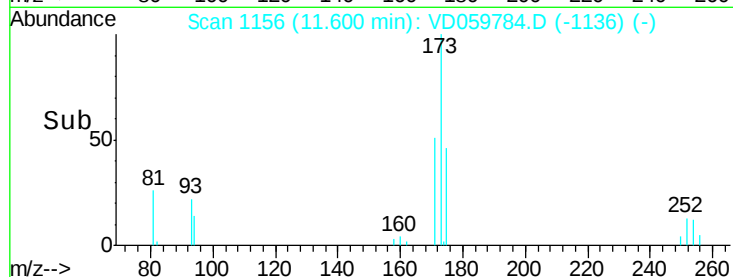
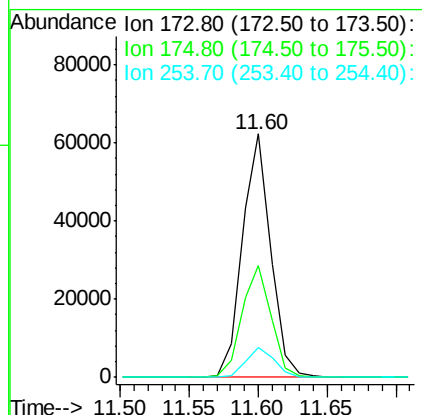
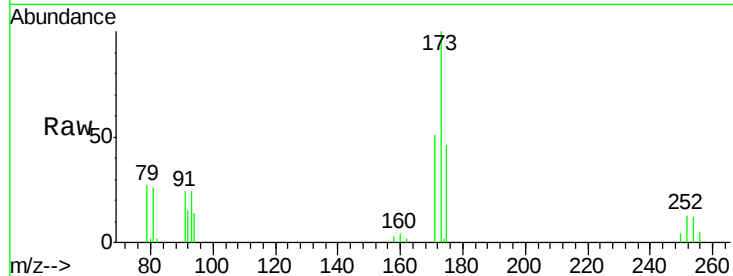




#71
Bromoform
Concen: 43.24 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

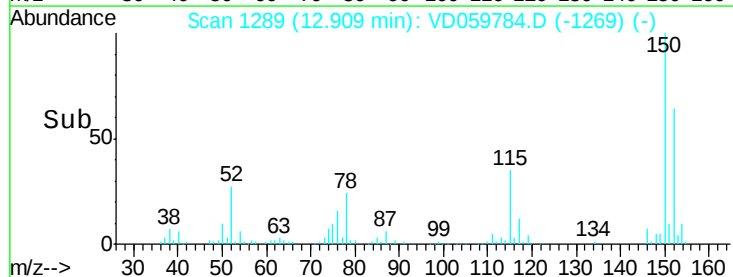
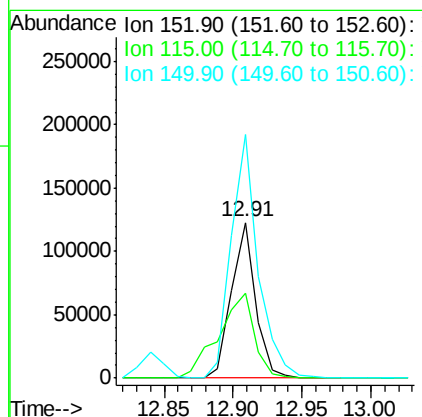
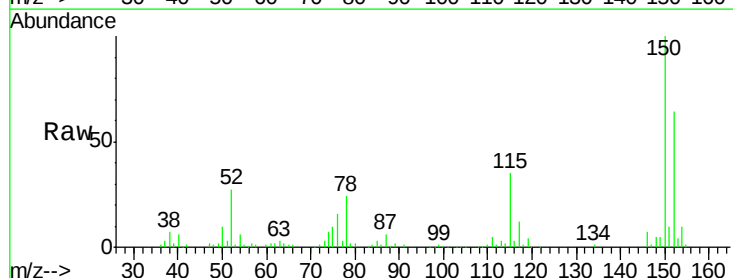
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

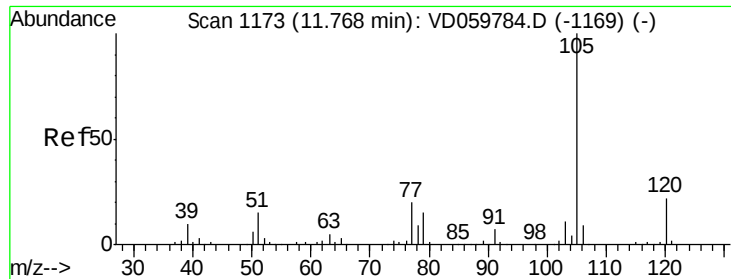
Tot Ion:173 Resp: 89063
Ion Ratio Lower Upper
173 100
175 46.1 23.1 69.2
254 12.1 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion:152 Resp: 149504
Ion Ratio Lower Upper
152 100
115 54.3 27.2 81.5
150 156.2 0.0 312.4





#73

Isopropylbenzene

Concen: 47.17 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

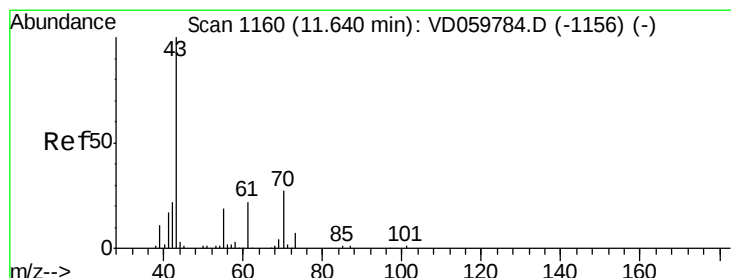
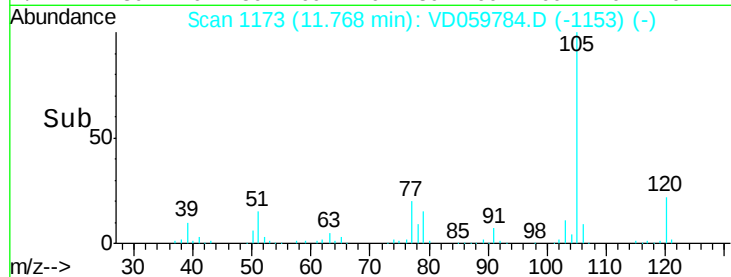
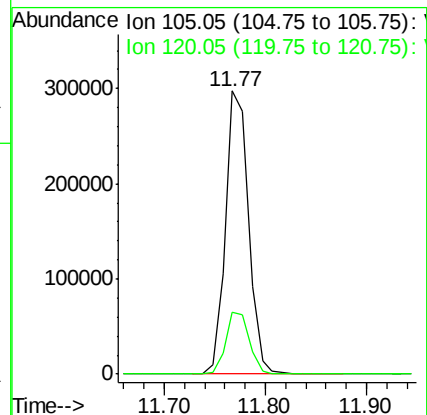
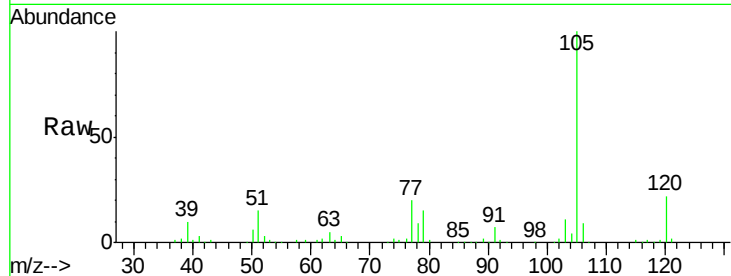
VSTDICCC050

Tot Ion:105 Resp: 473984

Ion Ratio Lower Upper

105 100

120 21.7 10.9 32.6



#74

N-ethyl acetate

Concen: 53.93 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Tgt Ion: 43 Resp: 156396

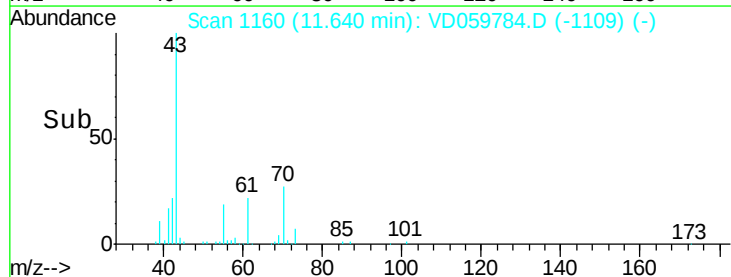
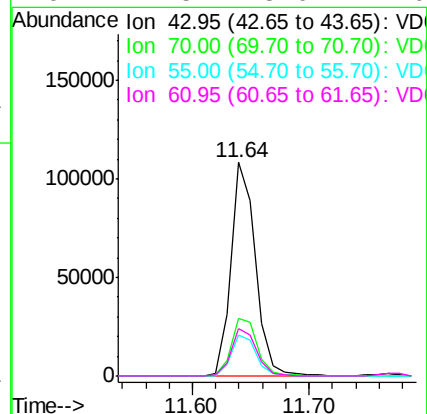
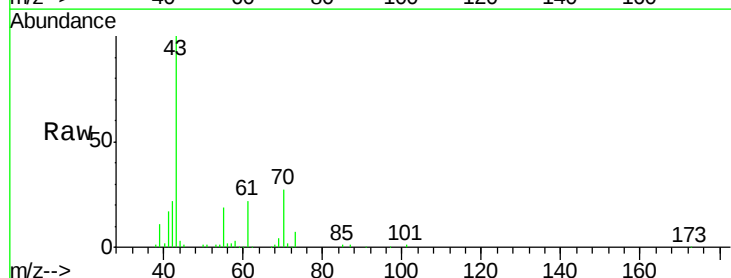
Ion Ratio Lower Upper

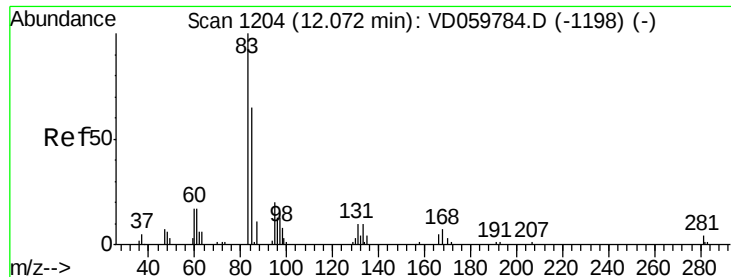
43 100

70 27.2 21.8 32.6

55 18.9 15.1 22.7

61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.95 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

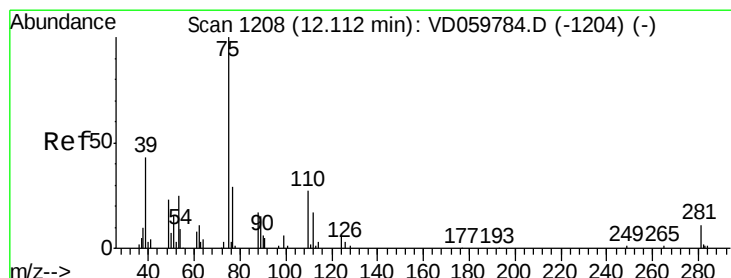
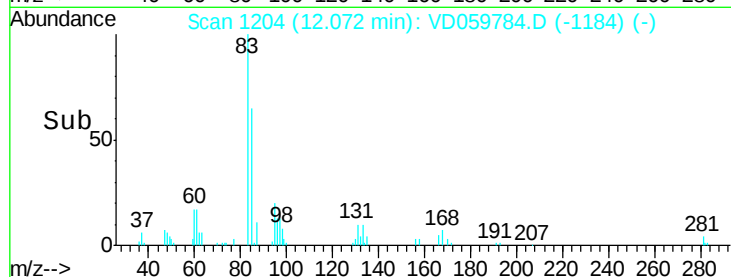
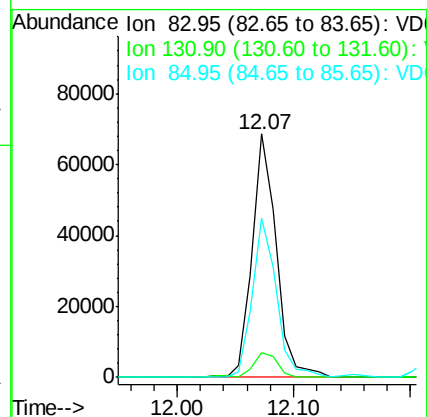
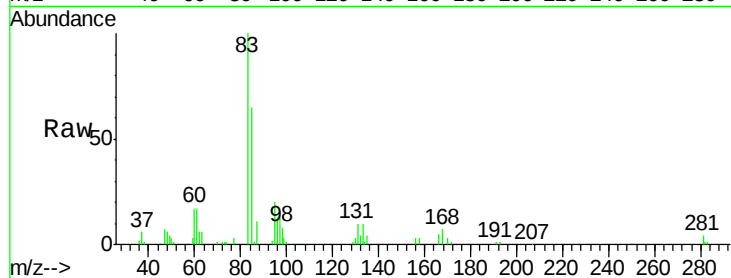
Tot Ion: 83 Resp: 98537

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.5	32.8	98.3

83 100

131 10.0 5.0 15.0

85 65.5 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 49.62 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059784.D

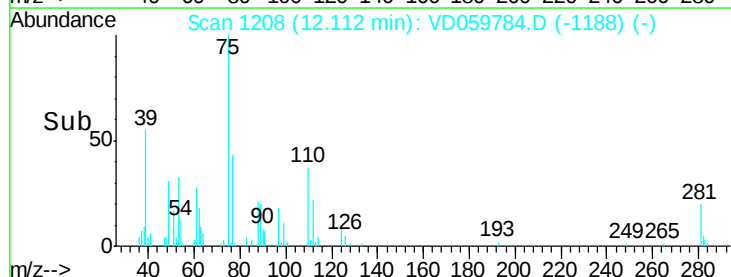
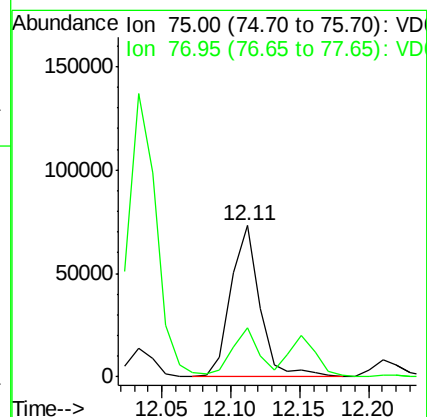
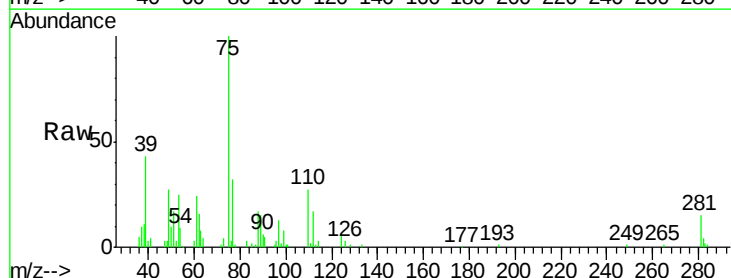
Acq: 15 Aug 2018 00:51

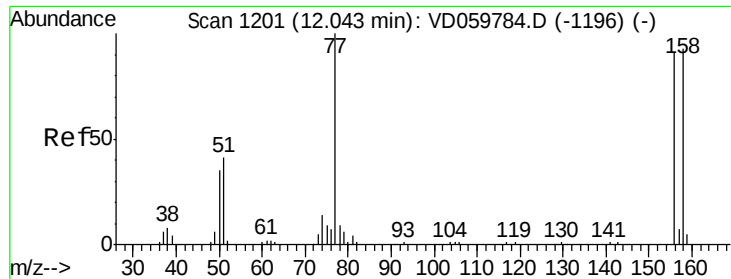
Tgt Ion: 75 Resp: 107068

Ion	Ratio	Lower	Upper
75	100		
77	32.4	16.2	48.6

75 100

77 32.4 16.2 48.6





#77

Bromobenzene

Concen: 48.27 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

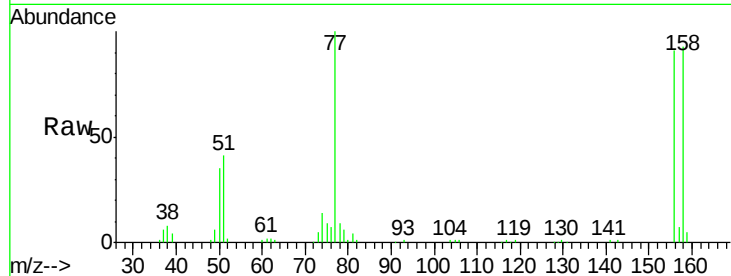
Tot Ion:156 Resp: 141750

Ion Ratio Lower Upper

156 100

77 109.9 54.9 164.8

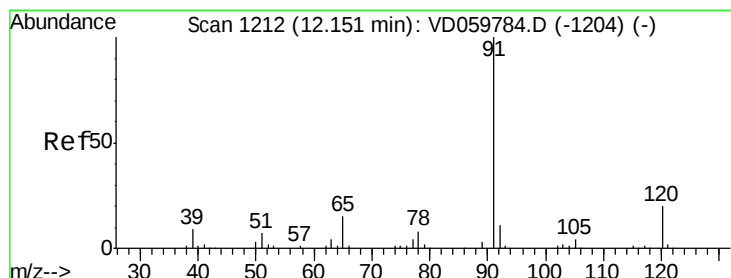
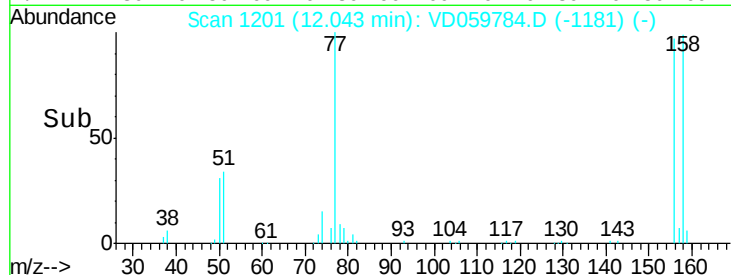
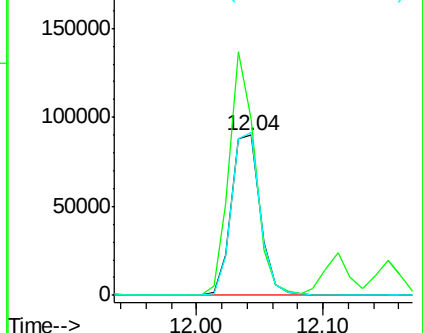
158 102.4 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60):

Ion 76.95 (76.65 to 77.65): VD

Ion 157.85 (157.55 to 158.55):



#78

n-propylbenzene

Concen: 47.93 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059784.D

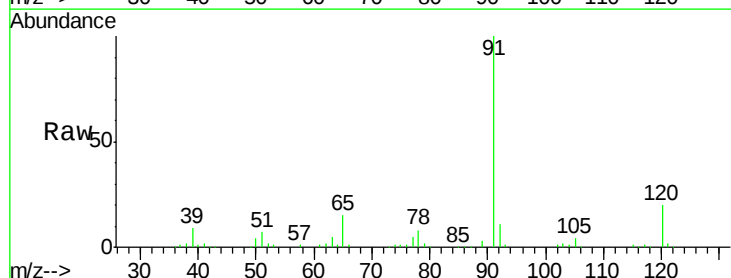
Acq: 15 Aug 2018 00:51

Tgt Ion: 91 Resp: 587060

Ion Ratio Lower Upper

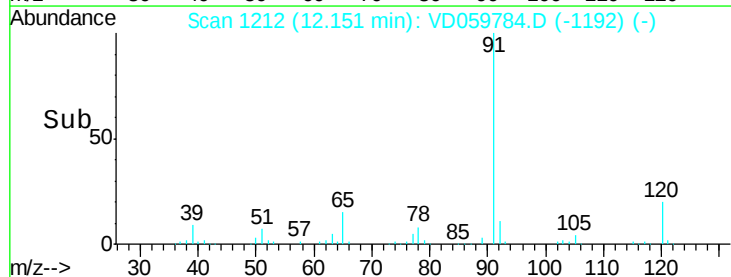
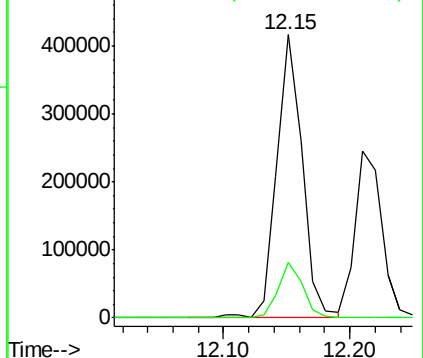
91 100

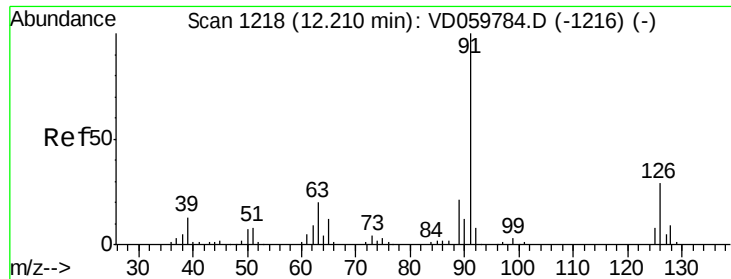
120 19.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):

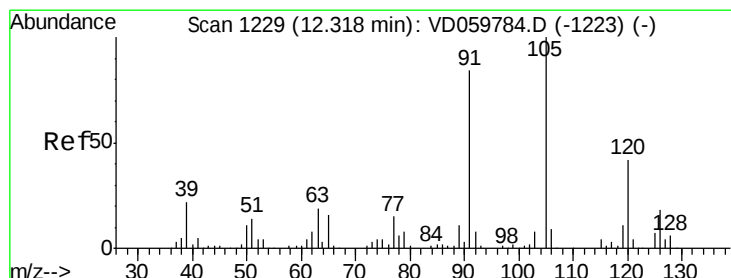
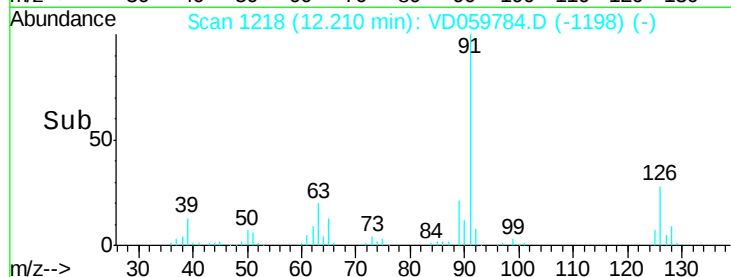
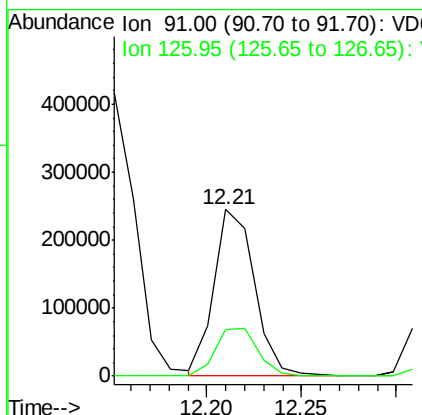
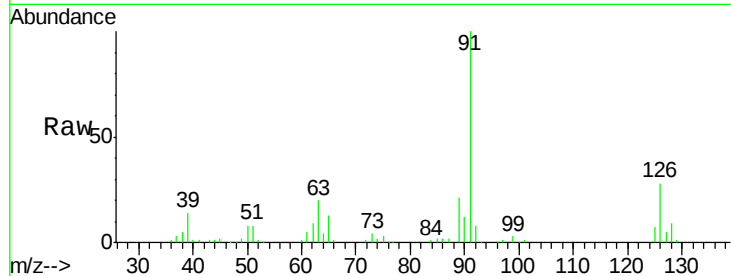




#79
 2-Chlorotoluene
 Concen: 46.65 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

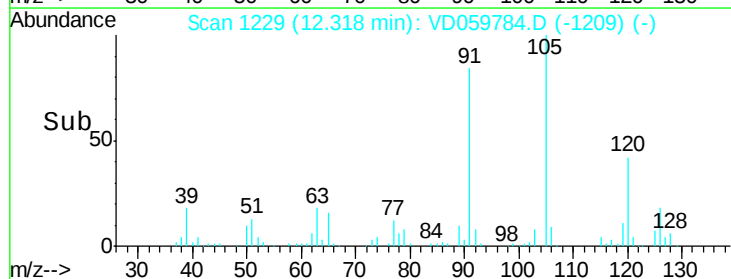
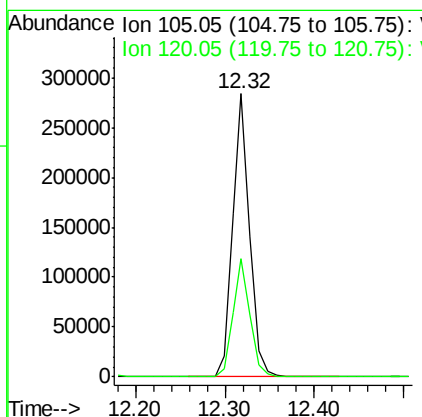
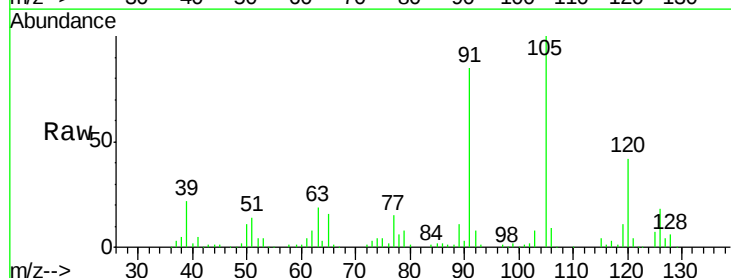
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

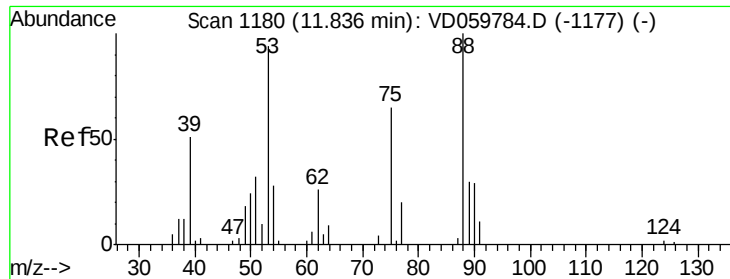
Tot Ion: 91 Resp: 360927
 Ion Ratio Lower Upper
 91 100
 126 27.9 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 44.22 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion:105 Resp: 381248
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.8 62.5

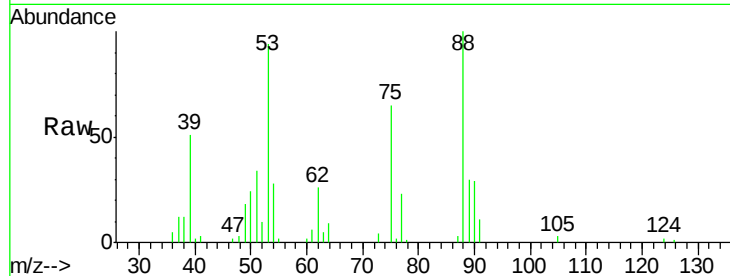




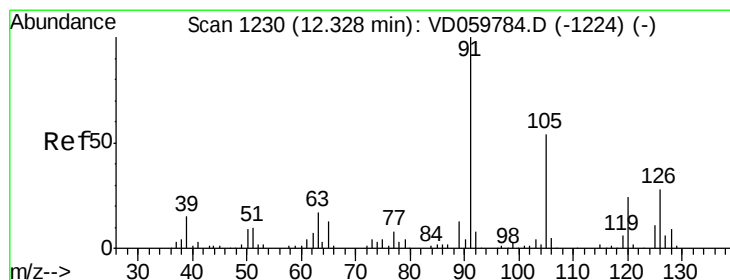
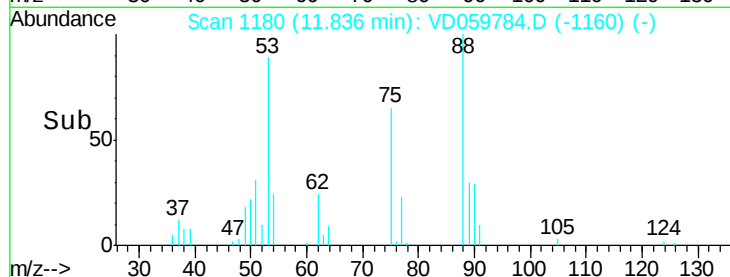
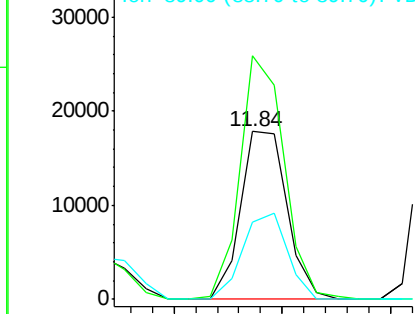
#81
trans-1,4-Dichloro-2-butene
Concen: 53.07 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 26505
Ion Ratio Lower Upper
75 100
53 145.2 116.2 174.2
89 46.3 37.0 55.6

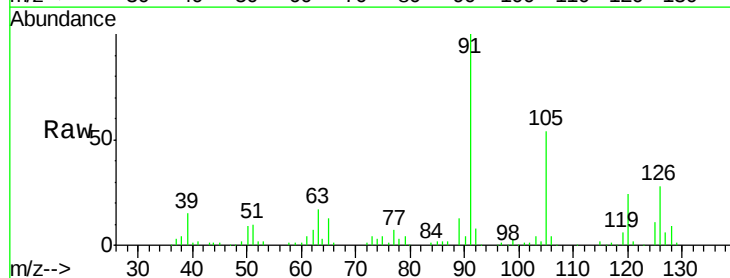


Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 53.00 (52.70 to 53.70): VD
Ion 89.00 (88.70 to 89.70): VD

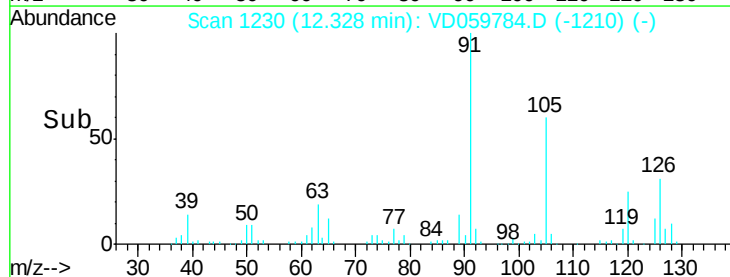
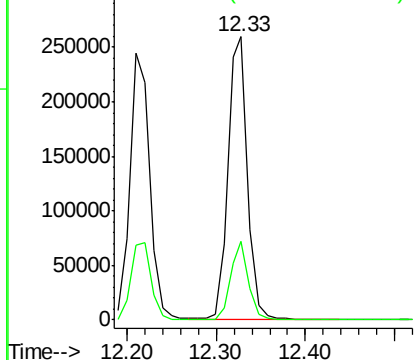


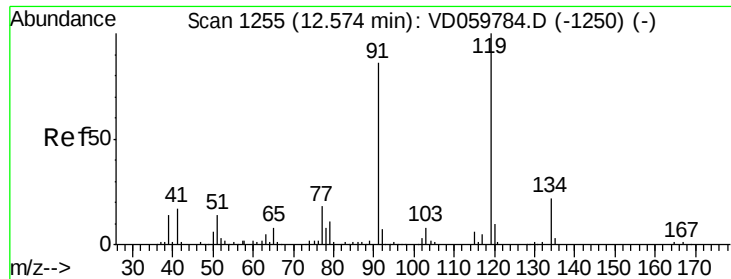
#82
4-Chlorotoluene
Concen: 44.48 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 91 Resp: 401191
Ion Ratio Lower Upper
91 100
126 27.8 13.9 41.7



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

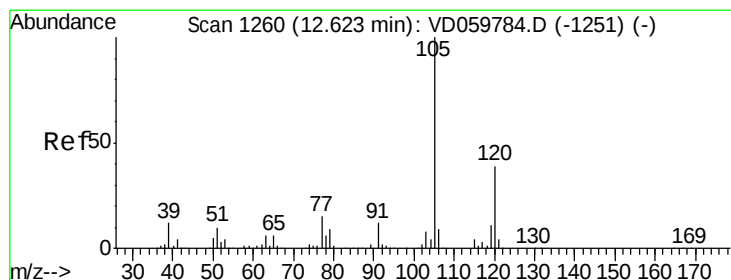
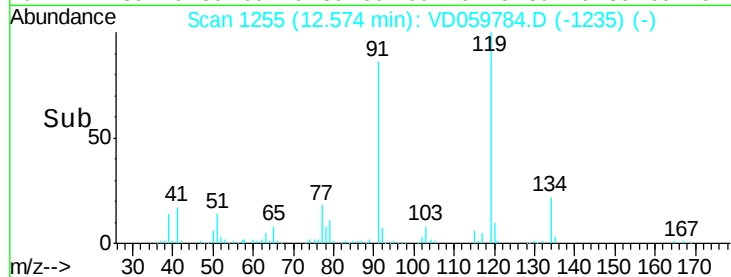
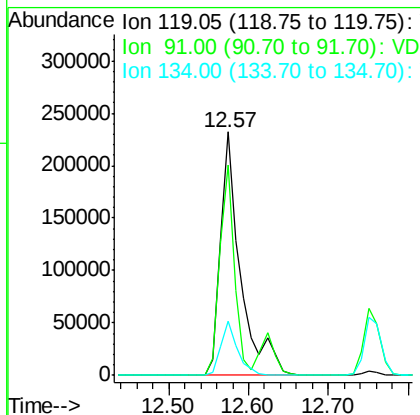
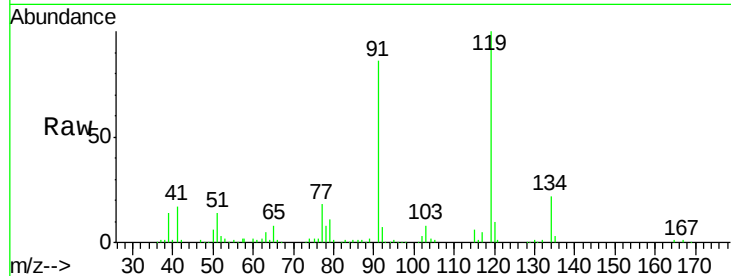




#83
 tert-Butylbenzene
 Concen: 43.90 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

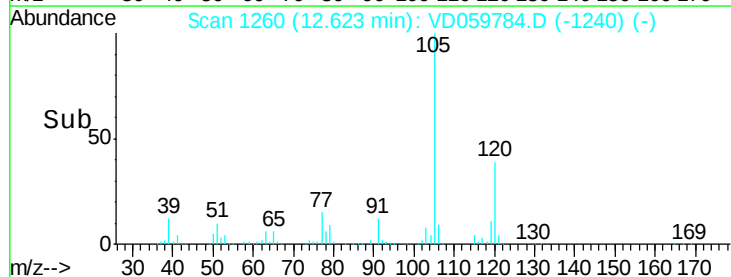
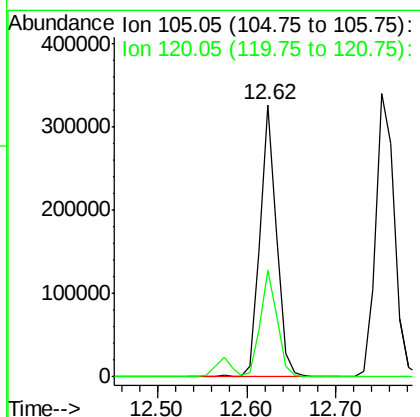
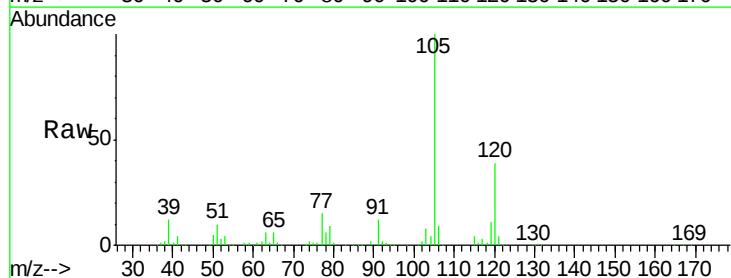
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

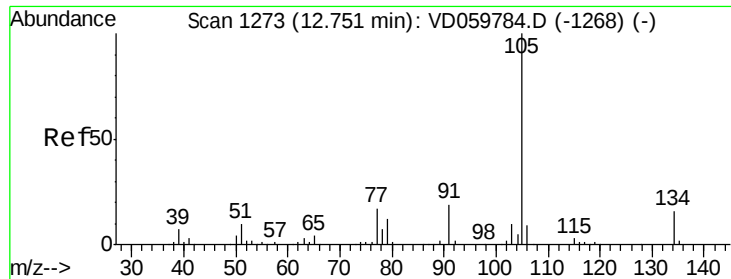
Tot Ion:119 Resp: 413090
 Ion Ratio Lower Upper
 119 100
 91 86.2 43.1 129.3
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 46.21 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion:105 Resp: 411641
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.6 58.8





#85

sec-Butylbenzene

Concen: 47.96 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

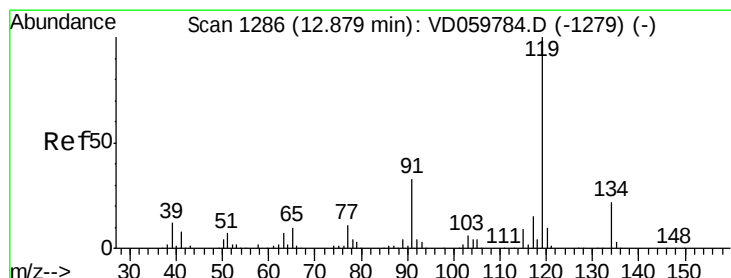
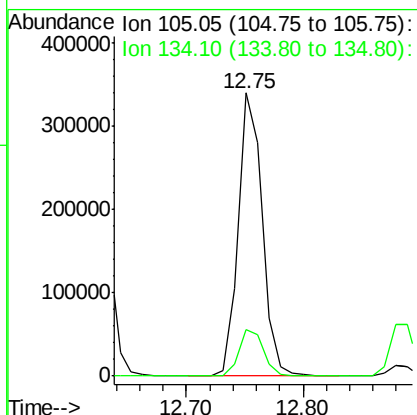
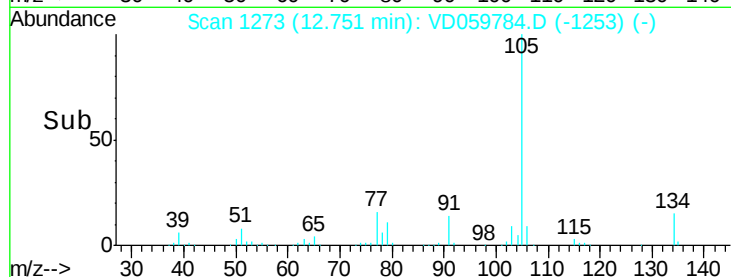
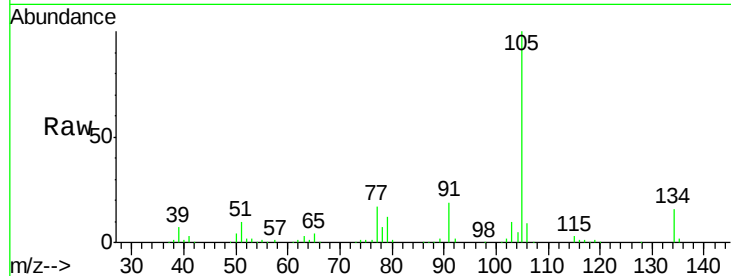
VSTDICCC050

Tot Ion:105 Resp: 484520

Ion Ratio Lower Upper

105 100

134 16.3 8.2 24.4



#86

p-Isopropyltoluene

Concen: 44.37 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

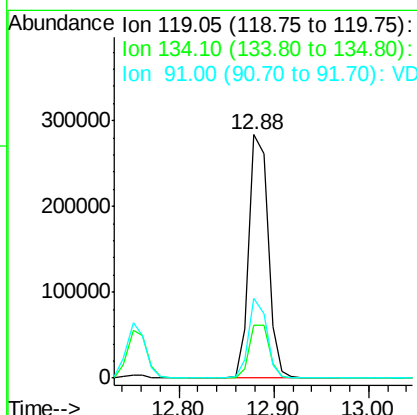
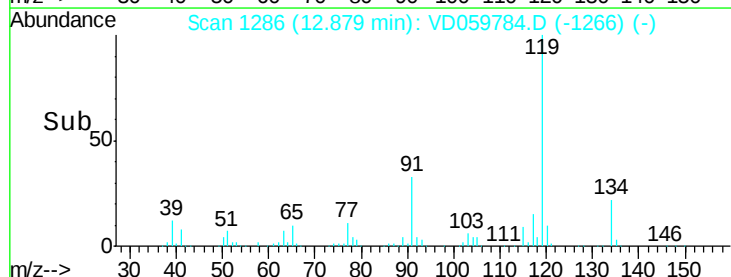
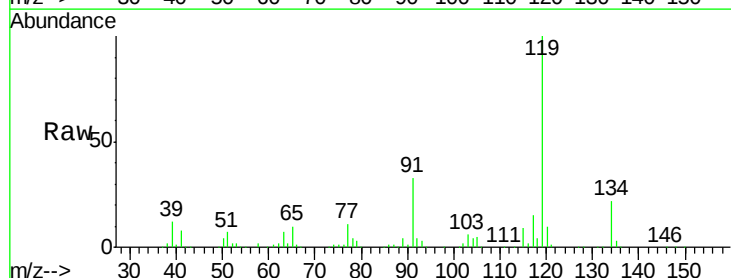
Tgt Ion:119 Resp: 400527

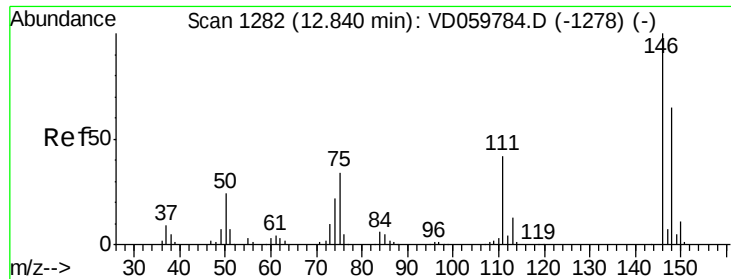
Ion Ratio Lower Upper

119 100

134 21.7 10.9 32.6

91 32.9 16.4 49.4

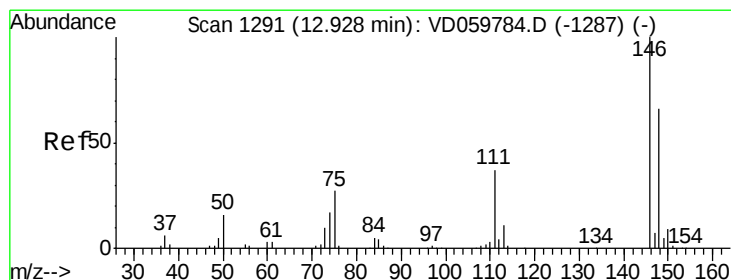
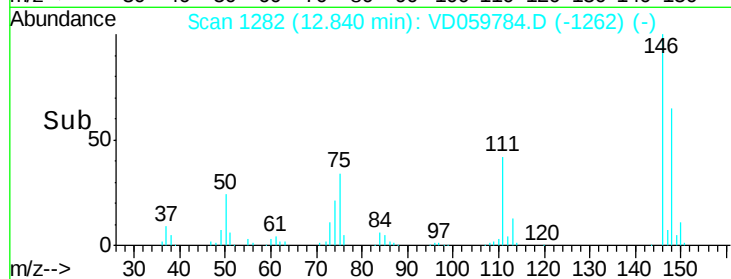
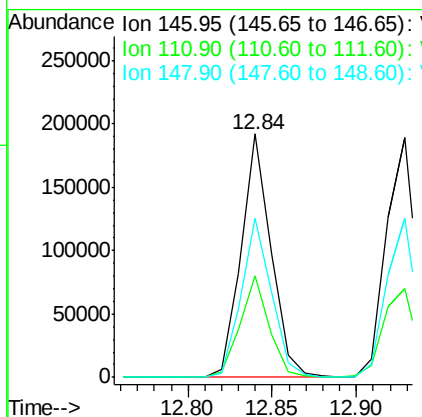
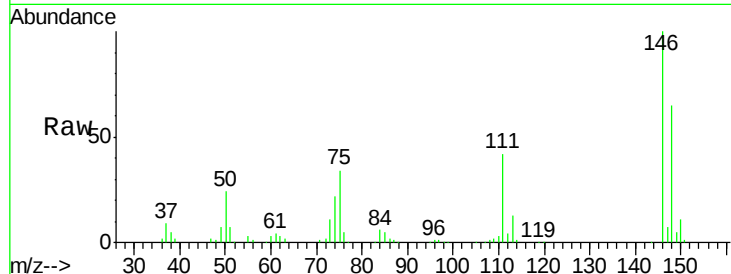




#87
 1,3-Dichlorobenzene
 Concen: 47.61 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

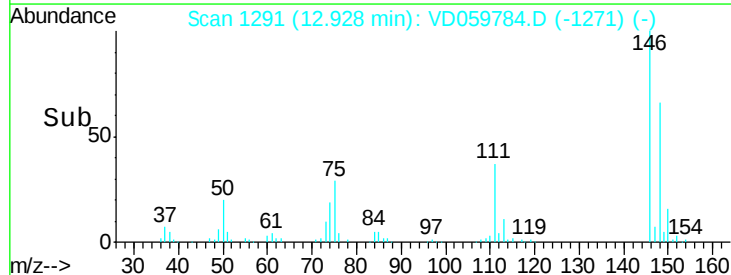
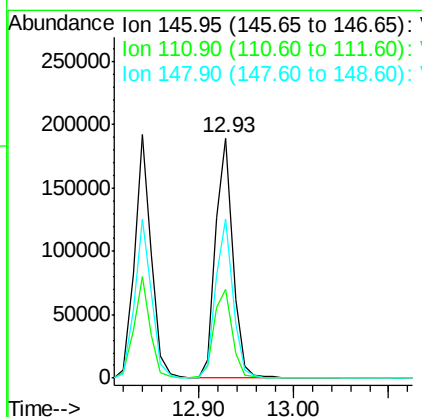
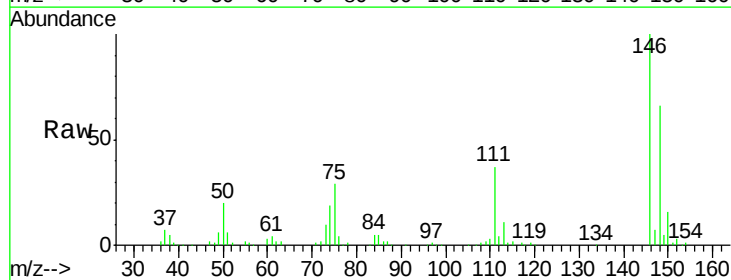
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

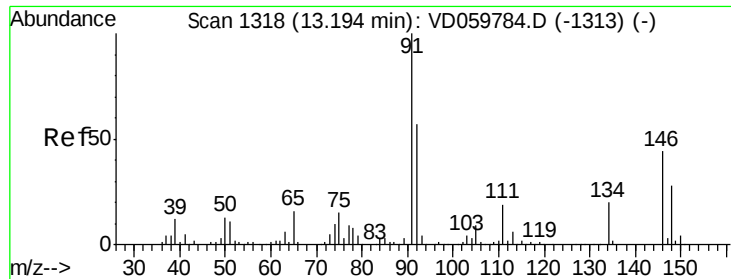
Tot Ion:146 Resp: 236509
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.9 62.8
 148 65.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 48.34 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion:146 Resp: 242033
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 66.0 33.0 99.0

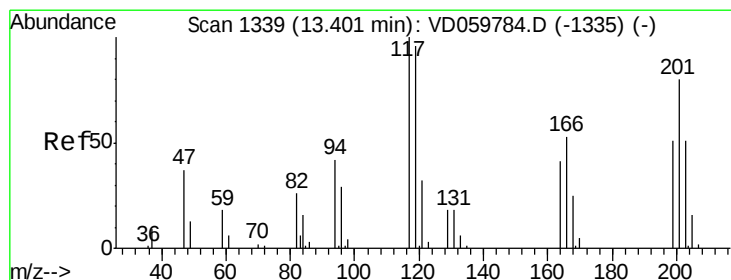
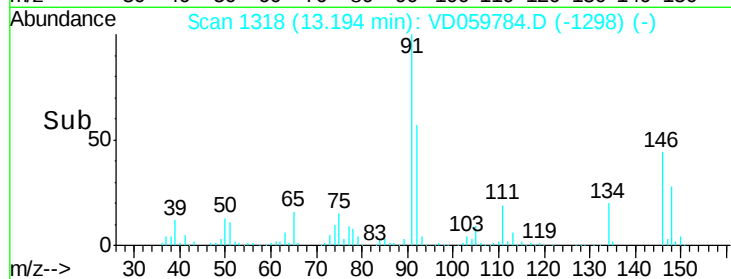
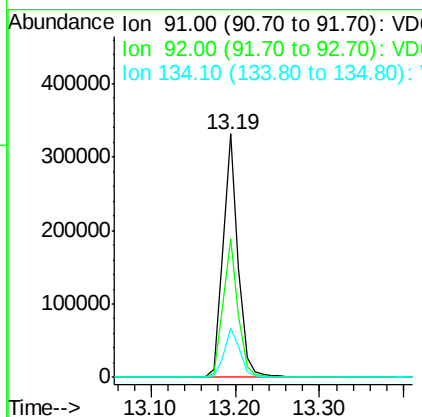
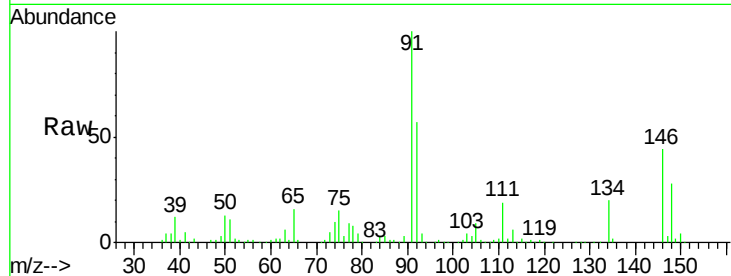




#89
n-Butylbenzene
Concen: 45.43 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

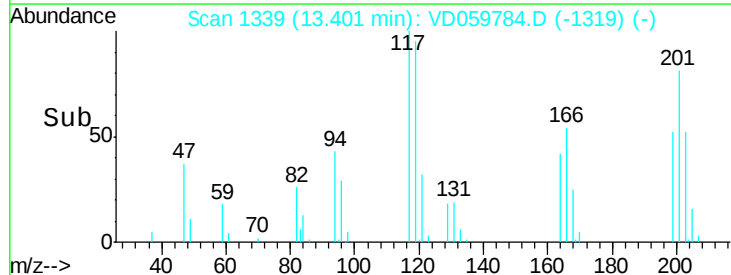
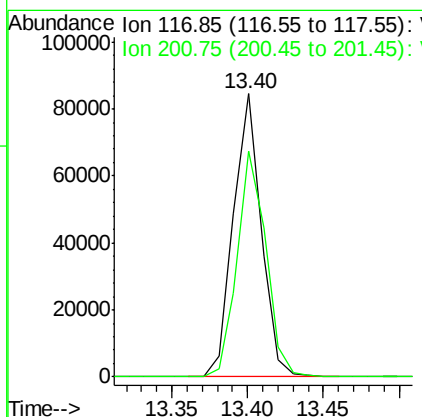
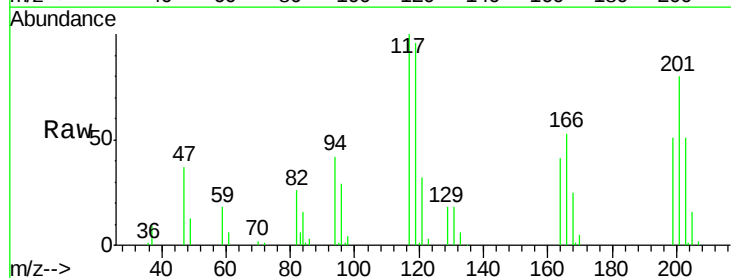
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

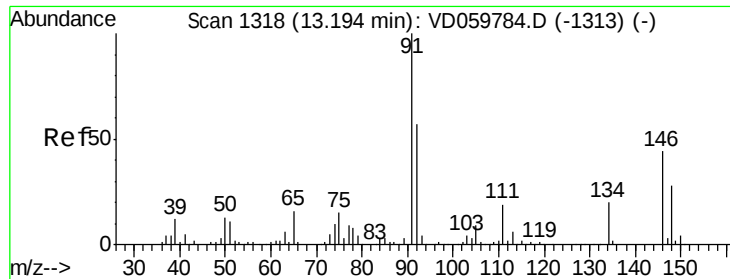
Tot Ion: 91 Resp: 409206
Ion Ratio Lower Upper
91 100
92 56.9 28.4 85.3
134 20.3 10.2 30.4



#90
Hexachloroethane
Concen: 46.43 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059784.D
Acq: 15 Aug 2018 00:51

Tgt Ion: 117 Resp: 107592
Ion Ratio Lower Upper
117 100
201 79.8 39.9 119.7

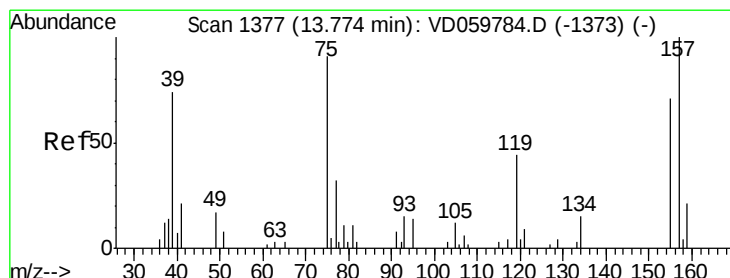
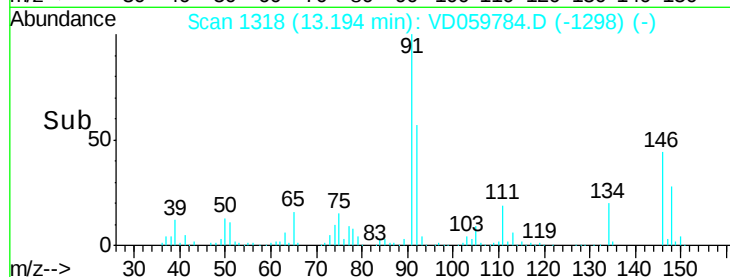
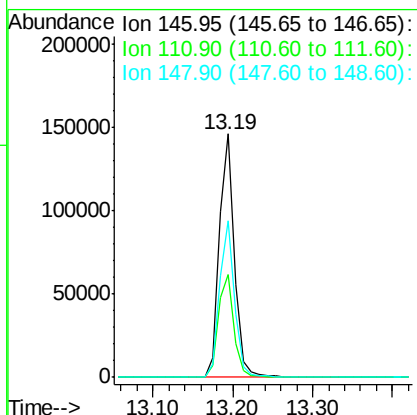
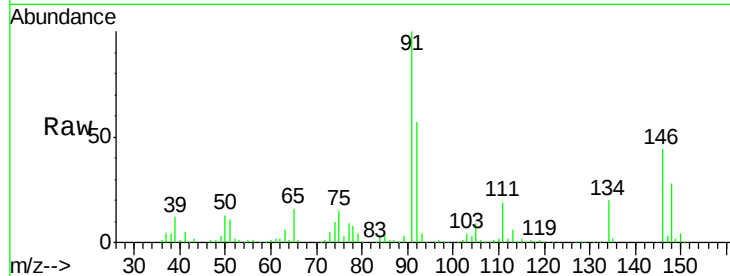




#91
 1,2-Dichlorobenzene
 Concen: 46.15 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

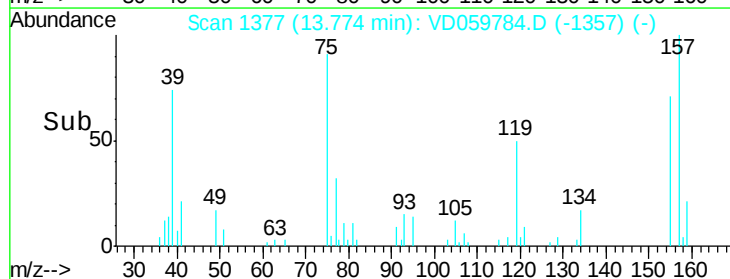
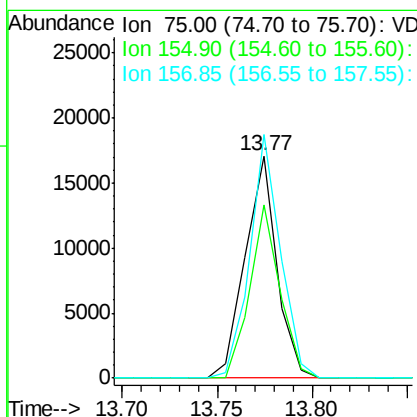
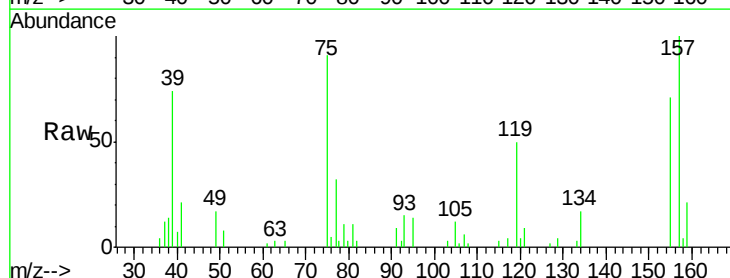
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

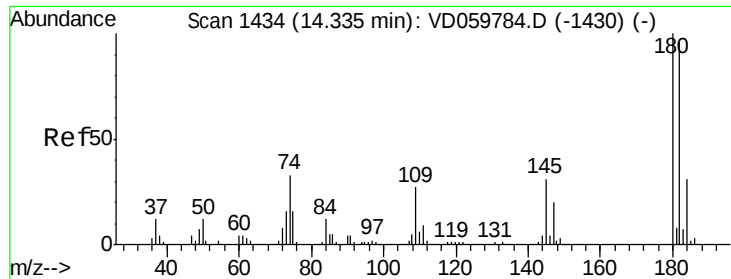
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.1	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.76 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	39.0	117.0
157	109.5	54.8	164.3

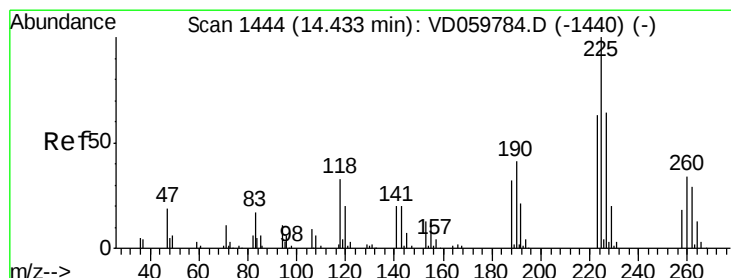
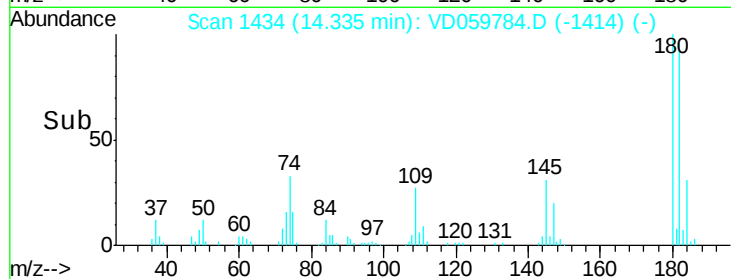
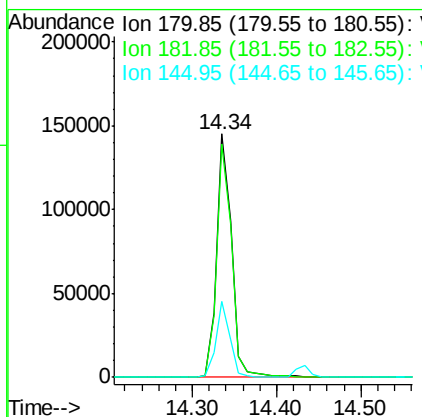
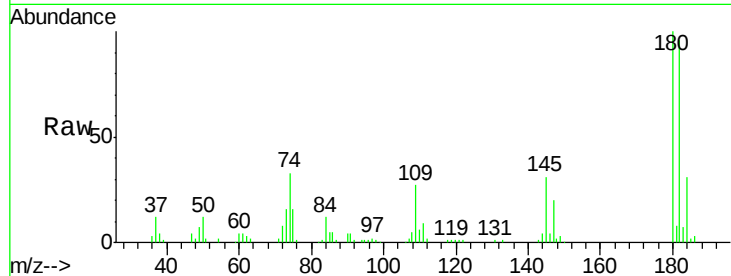




#93
 1,2,4-Trichlorobenzene
 Concen: 45.38 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

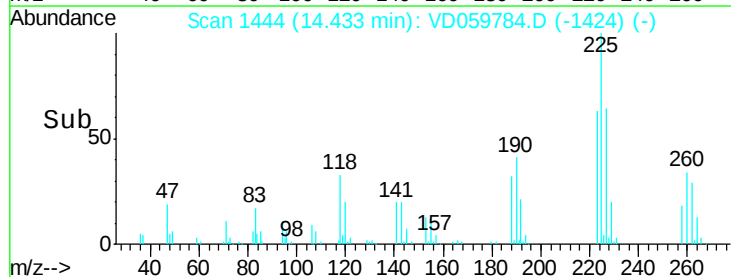
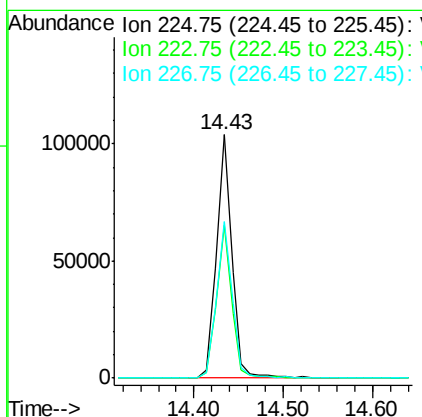
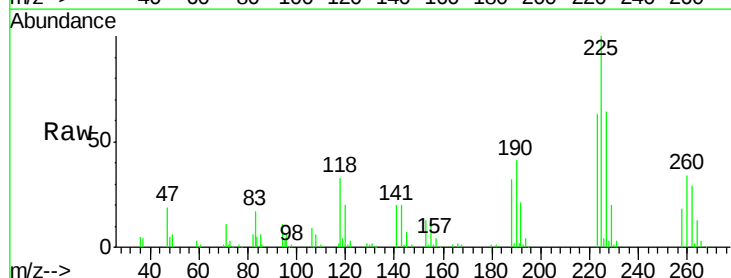
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

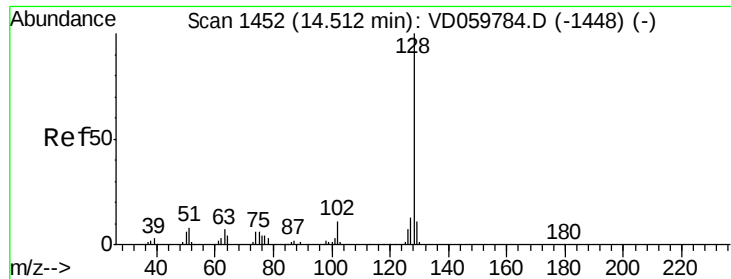
Tot Ion:180 Resp: 179403
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.0
 145 31.0 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 38.83 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059784.D
 Acq: 15 Aug 2018 00:51

Tgt Ion:225 Resp: 125763
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.2
 227 64.3 32.1 96.5





#95

Naphthalene

Concen: 48.89 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

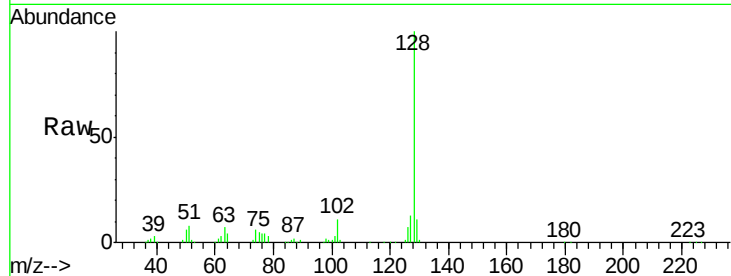
Tot Ion:128 Resp: 263736

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

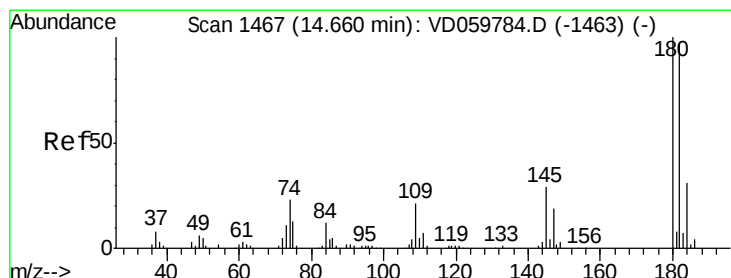
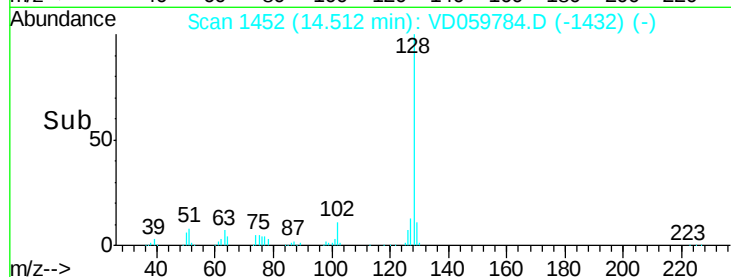
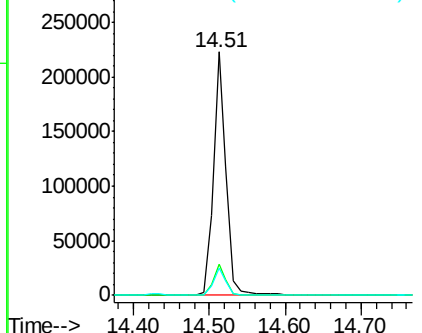
129 11.4 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70):

Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#96

1,2,3-Trichlorobenzene

Concen: 44.52 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059784.D

Acq: 15 Aug 2018 00:51

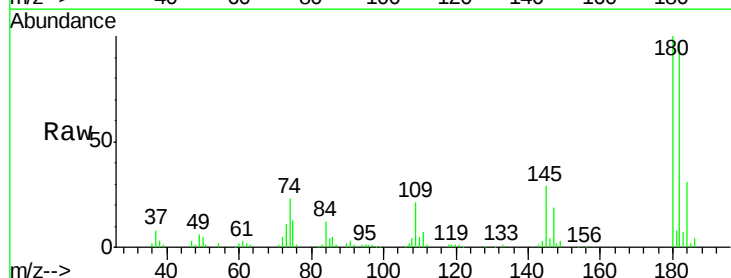
Tgt Ion:180 Resp: 150299

Ion Ratio Lower Upper

180 100

182 97.0 48.5 145.5

145 28.6 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55):

Ion 181.85 (181.55 to 182.55):

Ion 144.95 (144.65 to 145.65):

