

Data File : VD058198.D
Acq On : 19 Jun 2018 16:59
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Quant Time: Jun 20 05:02:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:00:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	903743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1180103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	957859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	476936	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	498967	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	5.55	113	512181	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	8.71	98	1252312	55.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.54%	
62) 4-Bromofluorobenzene	11.93	95	494293	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.34	85	443678	38.143	ug/l	100
3) Chloromethane	1.48	50	199965	34.844	ug/l	100
4) Vinyl Chloride	1.55	62	229686	40.971	ug/l	100
5) Bromomethane	1.79	94	82201	38.742	ug/l	100
6) Chloroethane	1.88	64	90178	41.811	ug/l	100
7) Trichlorofluoromethane	2.07	101	310414	40.912	ug/l	100
8) Diethyl Ether	2.34	74	71014	49.130	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.55	101	202799	44.347	ug/l	100
10) Methyl Iodide	2.68	142	245988	41.963	ug/l	100
11) Tert butyl alcohol	3.27	59	78753	317.401	ug/l	100
12) 1,1-Dichloroethene	2.54	96	153544	43.684	ug/l	100
13) Acrolein	2.47	56	30013	96.436	ug/l	100
14) Allyl chloride	2.91	41	369494	44.998	ug/l	100
15) Acrylonitrile	3.35	53	211560	159.637	ug/l	100
16) Acetone	2.61	43	334619	256.759	ug/l	100
17) Carbon Disulfide	2.75	76	508512	40.361	ug/l	100
18) Methyl Acetate	2.93	43	134467	52.066	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	428037	29.161	ug/l	100
20) Methylene Chloride	3.06	84	167318	38.259	ug/l	100
21) trans-1,2-Dichloroethene	3.38	96	160776	22.198	ug/l	100
22) Diisopropyl ether	4.07	45	1434501	44.521	ug/l	100
23) Vinyl Acetate	4.01	43	4118511	245.114	ug/l	100
24) 1,1-Dichloroethane	3.96	63	761120	42.919	ug/l	100
25) 2-Butanone	4.84	43	715671	244.705	ug/l	100
26) 2,2-Dichloropropane	4.79	77	630371	43.241	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	416649	44.512	ug/l	100
28) Bromochloromethane	5.15	49	363478	46.877	ug/l	100
29) Tetrahydrofuran	5.18	42	398346	256.529	ug/l	100
30) Chloroform	5.32	83	813800	45.338	ug/l	100
31) Cyclohexane	5.59	56	612018	39.959	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	680677	45.293	ug/l	100
36) 1,1-Dichloropropene	5.75	75	562979	44.181	ug/l	100
37) Ethyl Acetate	4.92	43	357189	50.190	ug/l	100
38) Carbon Tetrachloride	5.72	117	576195	45.724	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	551182	43.966	ug/l	100
40) Benzene	6.01	78	1330524	44.674	ug/l	100
41) Methacrylonitrile	5.13	41	161236	49.965	ug/l	100
42) 1,2-Dichloroethane	6.13	62	567959	47.023	ug/l	100
43) Isopropyl Acetate	7.62	43	487904	52.368	ug/l	100
44) Trichloroethene	6.98	130	405164	46.555	ug/l	100
45) 1,2-Dichloropropane	7.35	63	379303	45.835	ug/l	100
46) Dibromomethane	7.46	93	268255	49.724	ug/l	100
47) Bromodichloromethane	7.74	83	587972	47.280	ug/l	100
48) Methyl methacrylate	7.51	41	285997	50.087	ug/l	100
49) 1,4-Dioxane	7.49	88	56862	1163.924	ug/l	100
51) 4-Methyl-2-Pentanone	8.60	43	1555081	259.951	ug/l	100
52) Toluene	8.81	92	759779	44.410	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	521346	48.170	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	624403	49.107	ug/l	100
55) 1,1,2-Trichloroethane	9.46	97	282440	50.062	ug/l	100
56) Ethyl methacrylate	9.31	69	360955	52.083	ug/l	100
57) 1,3-Dichloropropane	9.66	76	468491	47.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	892363	253.900	ug/l	100
59) 2-Hexanone	9.79	43	1102316	252.718	ug/l	100
60) Dibromochloromethane	9.96	129	404248	51.118	ug/l	100
61) 1,2-Dibromoethane	10.10	107	324555	50.126	ug/l	100
64) Tetrachloroethene	9.52	164	394641	46.672	ug/l	100
65) Chlorobenzene	10.73	112	856266	44.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	348797	47.614	ug/l	100
67) Ethyl Benzene	10.86	91	1495732	43.707	ug/l	100
68) m/p-Xylenes	11.01	106	972925	86.707	ug/l	100
69) o-Xylene	11.41	106	468735	42.535	ug/l	100
70) Styrene	11.44	104	817740	44.559	ug/l	100
71) Bromoform	11.60	173	308660	54.939	ug/l	100
73) Isopropylbenzene	11.77	105	1389199	44.861	ug/l	100
74) N-amyl acetate	11.64	43	617496	50.889	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.08	83	354610	51.256	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	374279	51.985	ug/l	100
77) Bromobenzene	12.05	156	428471	46.590	ug/l	100
78) n-propylbenzene	12.15	91	1814039	44.778	ug/l	100
79) 2-Chlorotoluene	12.21	91	1060642	45.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1103065	45.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	101491	57.236	ug/l	100
82) 4-Chlorotoluene	12.33	91	1158239	45.476	ug/l	100
83) tert-Butylbenzene	12.58	119	1279500	46.673	ug/l	100
84) 1,2,4-Trimethylbenzene	12.63	105	1199547	46.077	ug/l	100
85) sec-Butylbenzene	12.76	105	1529454	46.180	ug/l	100
86) p-Isopropyltoluene	12.88	119	1188335	44.816	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	732294	46.818	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	717958	46.856	ug/l	100
89) n-Butylbenzene	13.20	91	1232891	44.675	ug/l	100
90) Hexachloroethane	13.40	117	334579	49.151	ug/l	100
91) 1,2-Dichlorobenzene	13.20	146	619583	48.191	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	60122	56.201	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061918\
Quantitation Report (Not Reviewed)

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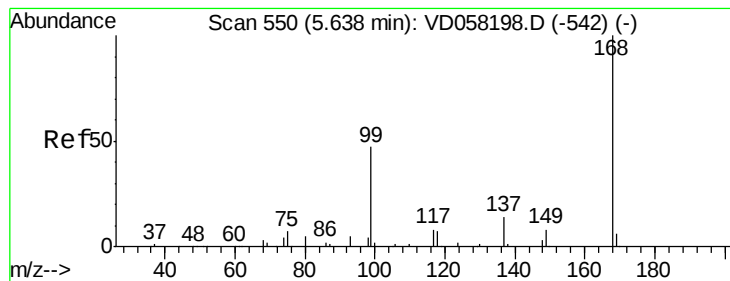
Quant Time: Jun 20 05:02:55 2018
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	626220	52.247	ug/l	100
94) Hexachlorobutadiene	14.44	225	473840	50.707	ug/l	100
95) Naphthalene	14.52	128	876405	55.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	549039	53.473	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

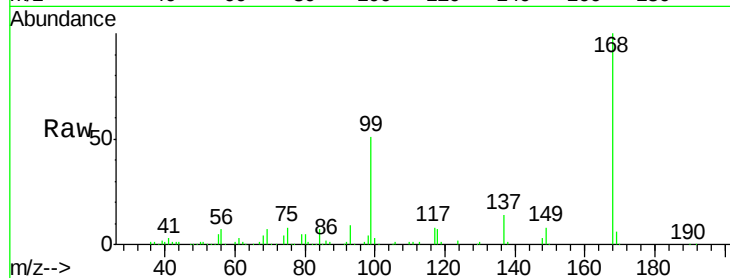
VSTDICCC050

Tgt Ion:168 Resp: 903743

Ion Ratio Lower Upper

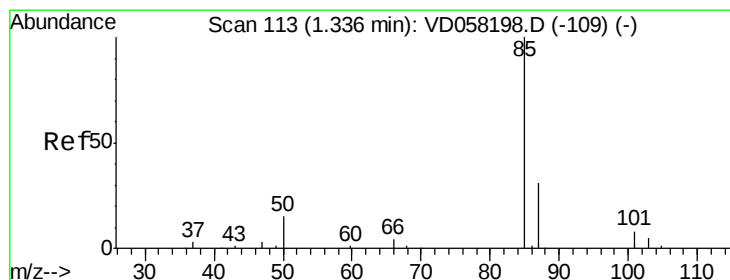
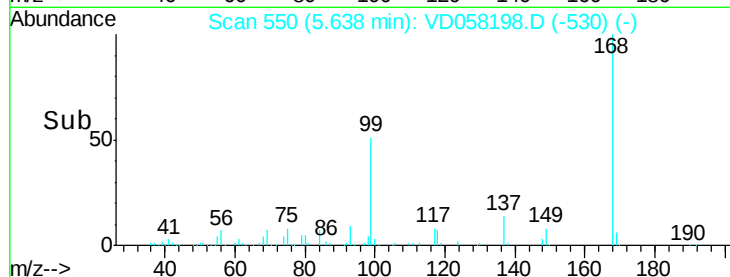
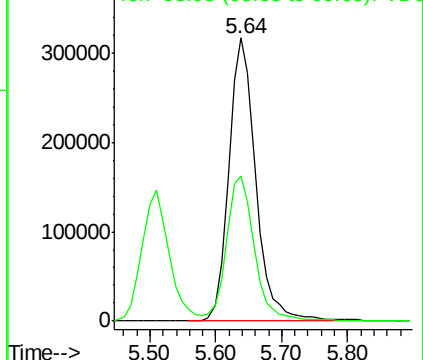
168 100

99 51.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 38.143 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058198.D

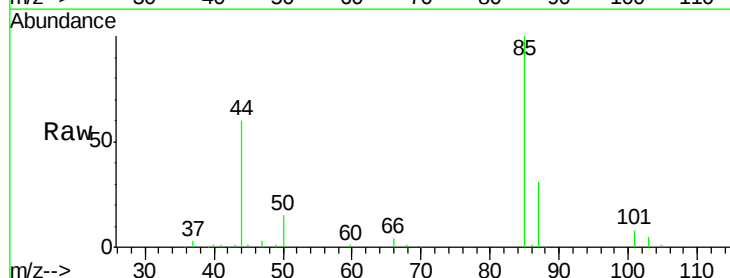
Acq: 19 Jun 2018 16:59

Tgt Ion: 85 Resp: 443678

Ion Ratio Lower Upper

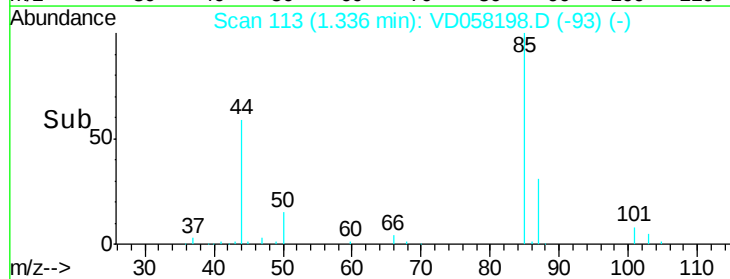
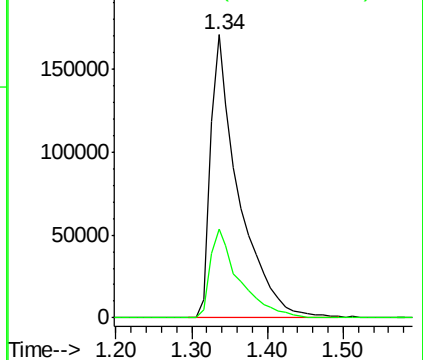
85 100

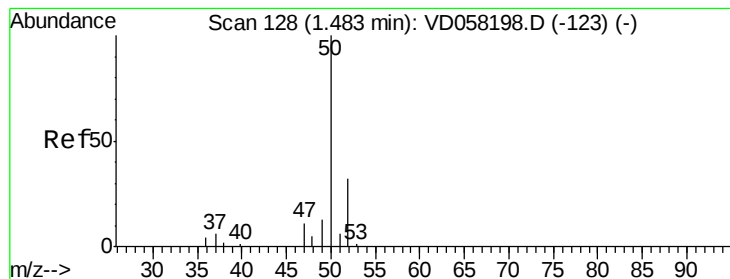
87 31.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 34.844 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

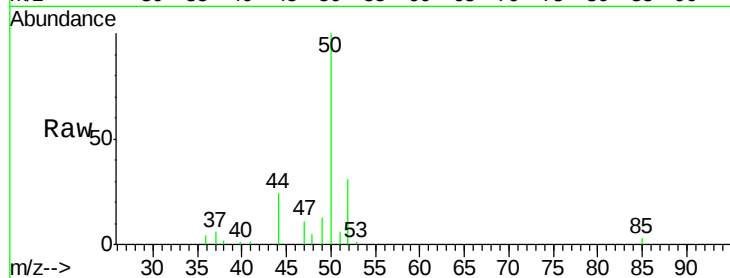
VSTDICCC050

Tgt Ion: 50 Resp: 199965

Ion Ratio Lower Upper

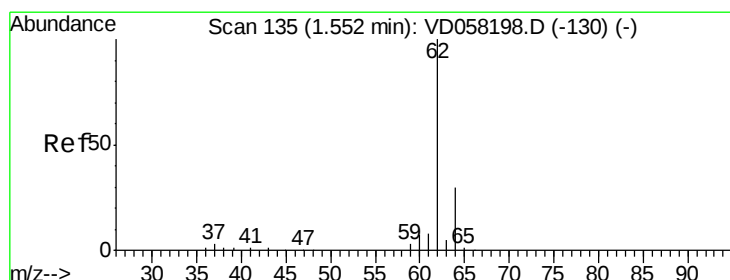
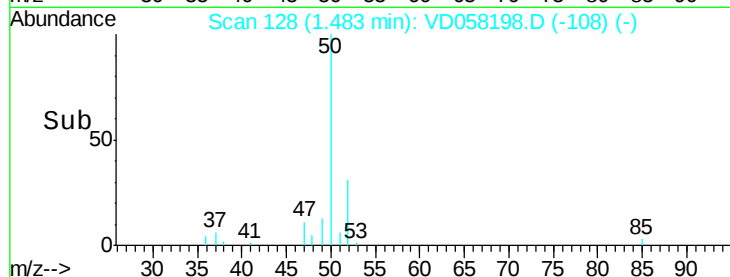
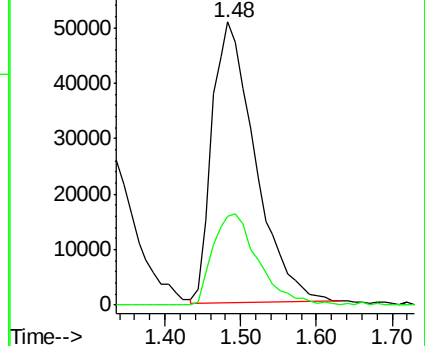
50 100

52 31.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.971 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058198.D

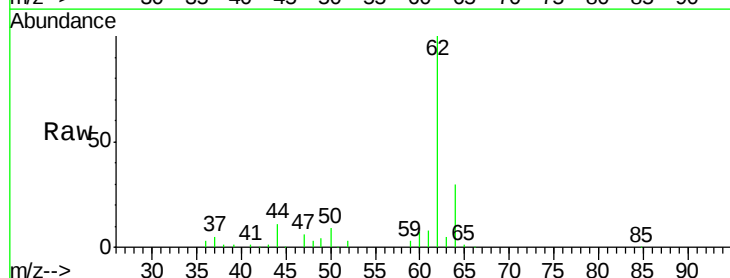
Acq: 19 Jun 2018 16:59

Tgt Ion: 62 Resp: 229686

Ion Ratio Lower Upper

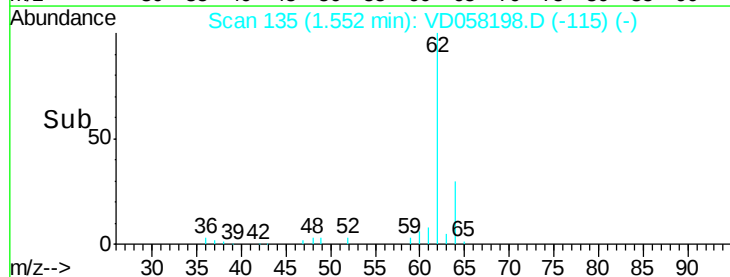
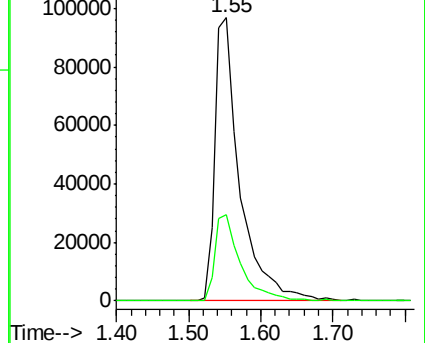
62 100

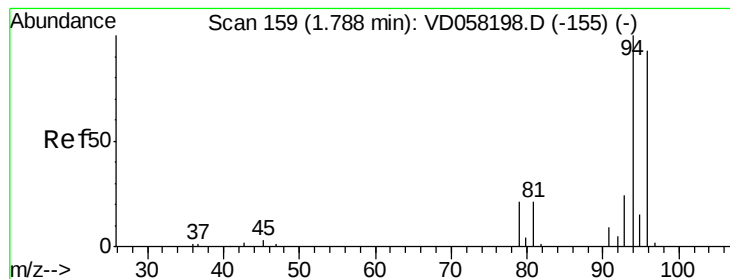
64 30.5 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 38.742 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

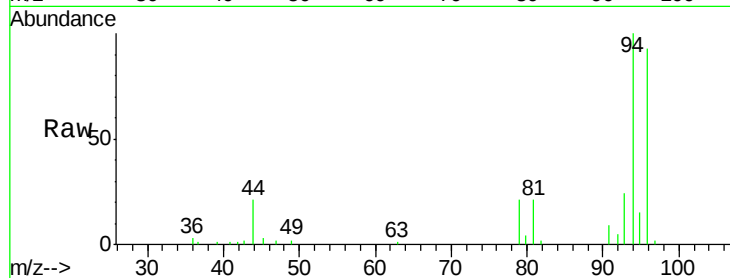
VSTDICCC050

Tgt Ion: 94 Resp: 82201

Ion Ratio Lower Upper

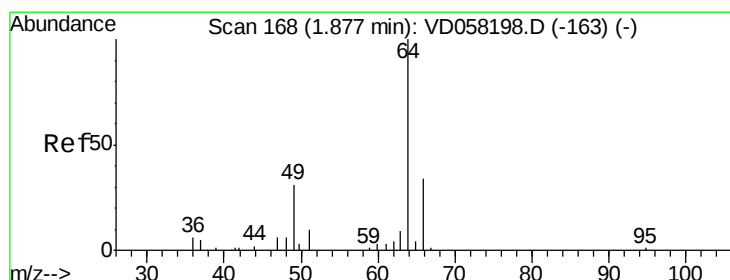
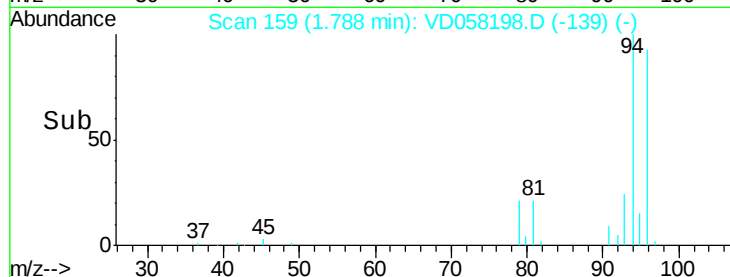
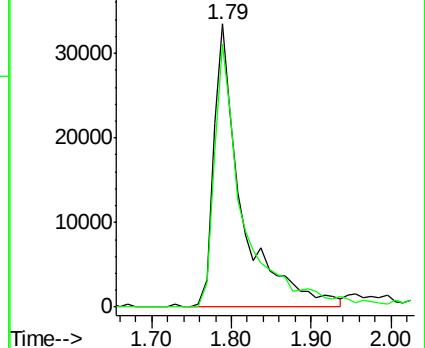
94 100

96 92.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 41.811 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058198.D

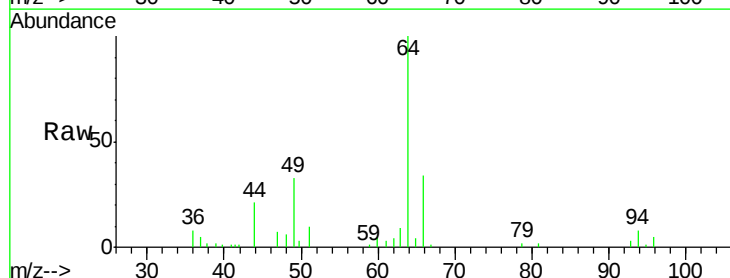
Acq: 19 Jun 2018 16:59

Tgt Ion: 64 Resp: 90178

Ion Ratio Lower Upper

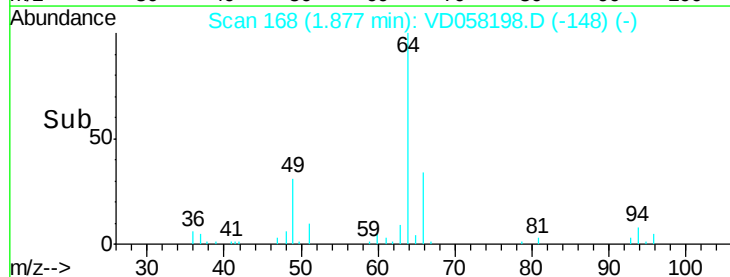
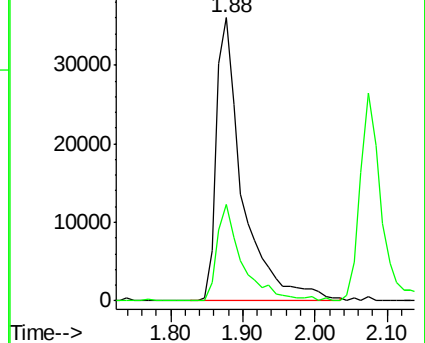
64 100

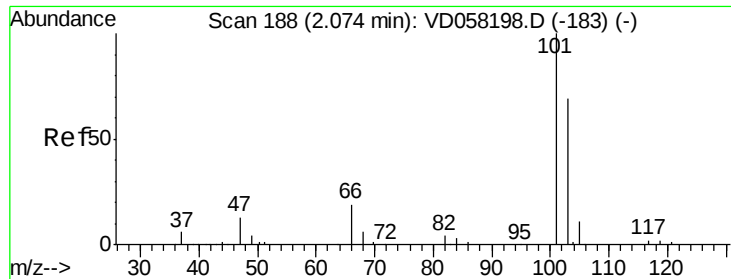
66 34.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



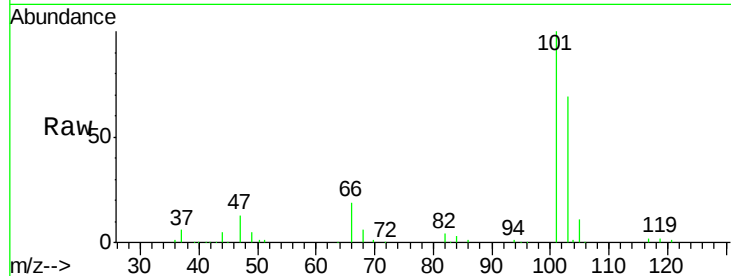


#7

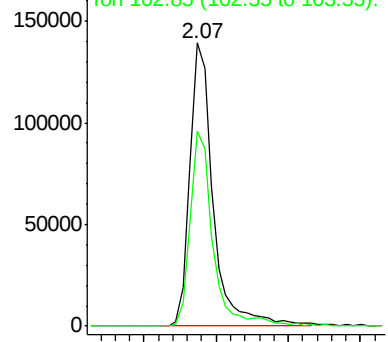
Trichlorofluoromethane
 Concen: 40.912 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

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 VSTDICCC050

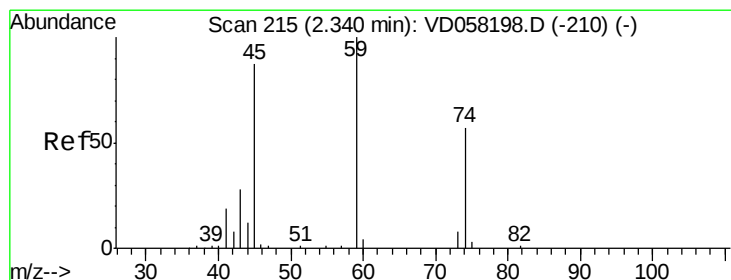
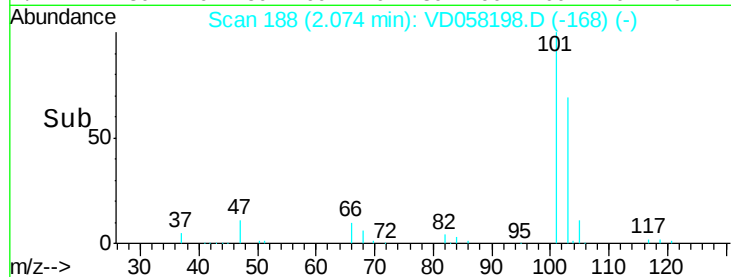
Tgt Ion: 101 Resp: 310414
 Ion Ratio Lower Upper
 101 100
 103 68.9 55.1 82.7



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



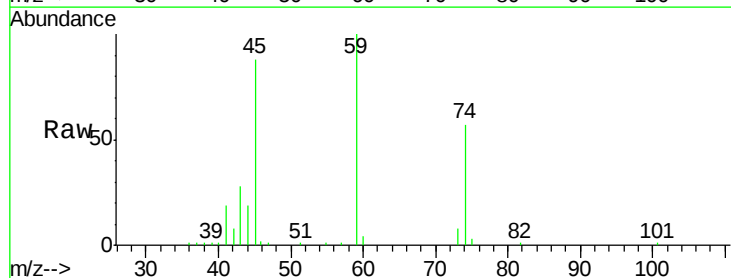
Time-->



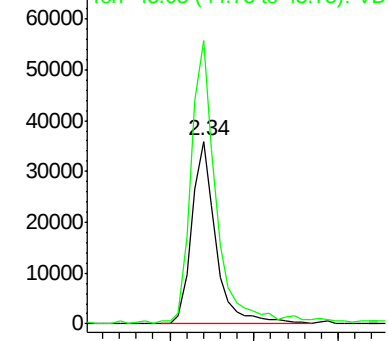
#8

Diethyl Ether
 Concen: 49.130 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

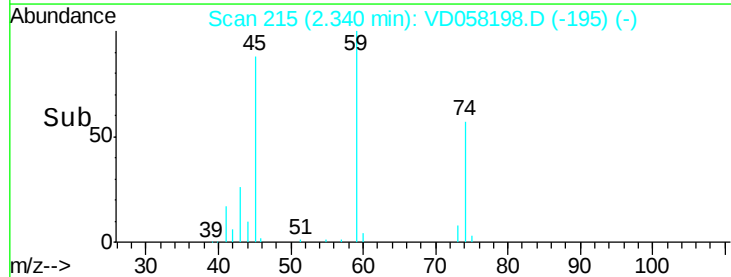
Tgt Ion: 74 Resp: 71014
 Ion Ratio Lower Upper
 74 100
 45 155.1 77.5 232.6

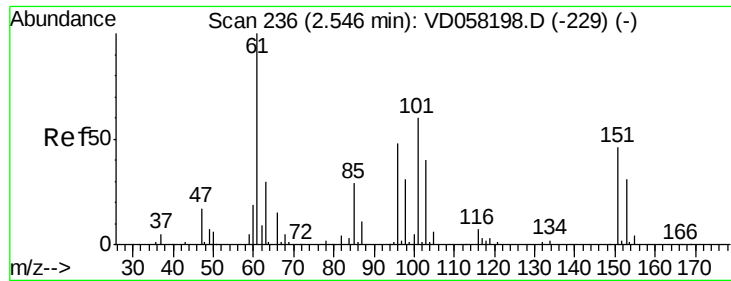


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->

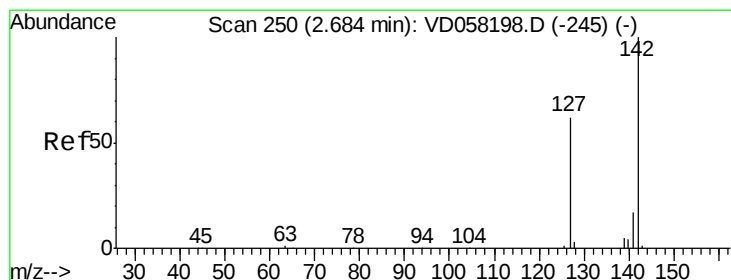
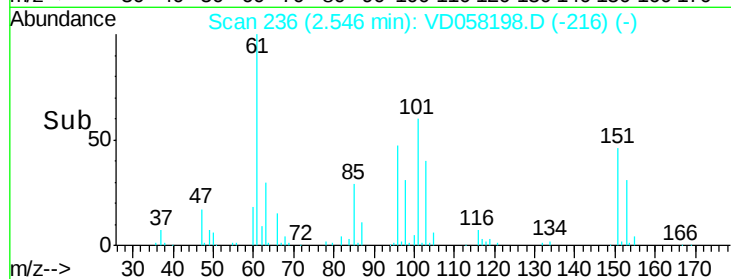
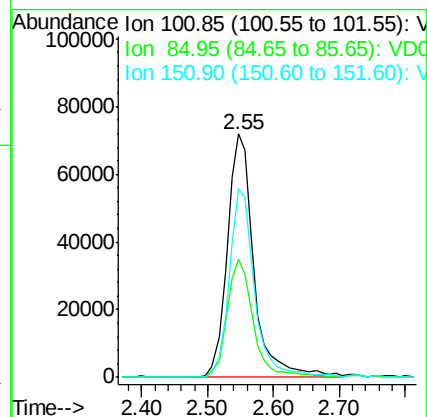
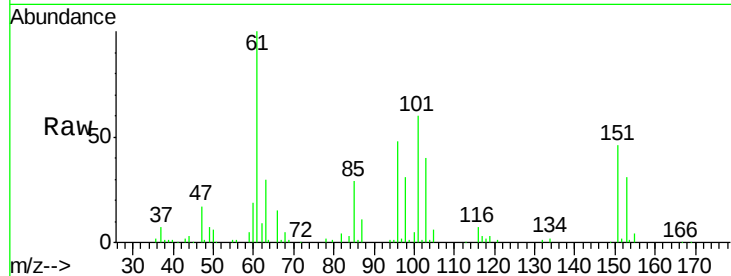




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.347 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

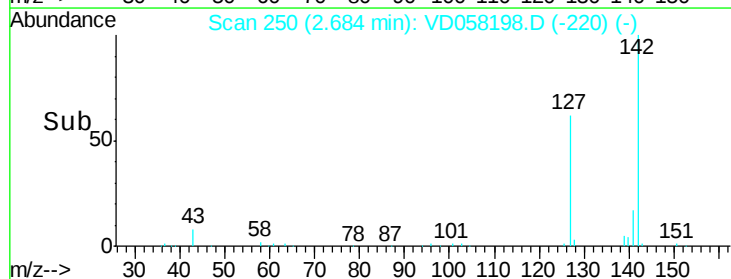
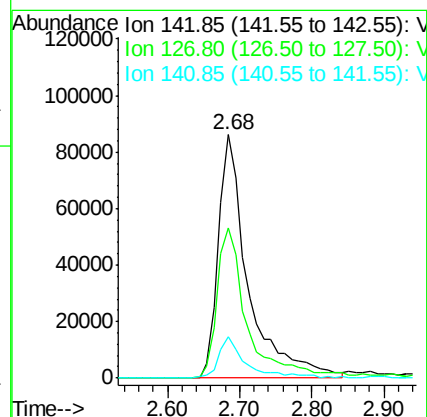
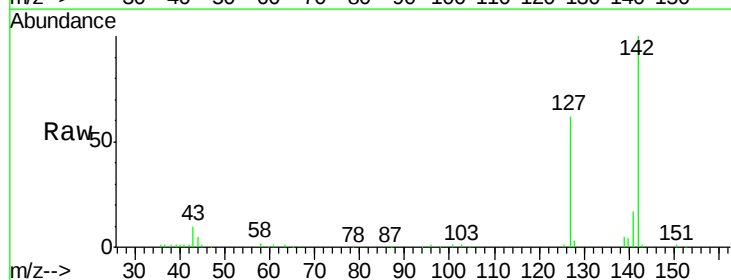
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.7	39.0	58.4
151	77.3	61.8	92.8



#10
 Methyl Iodide
 Concen: 41.963 ug/l
 RT: 2.68 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion	Ratio	Lower	Upper
142	100		
127	61.7	49.4	74.0
141	16.9	13.5	20.3



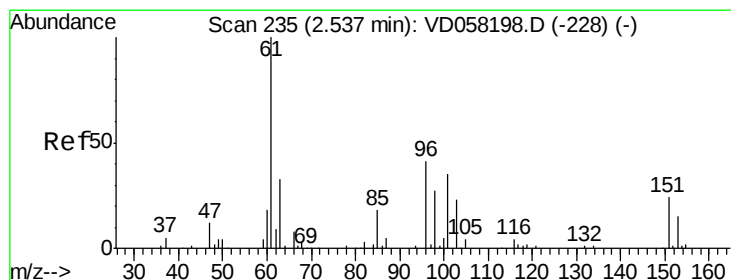
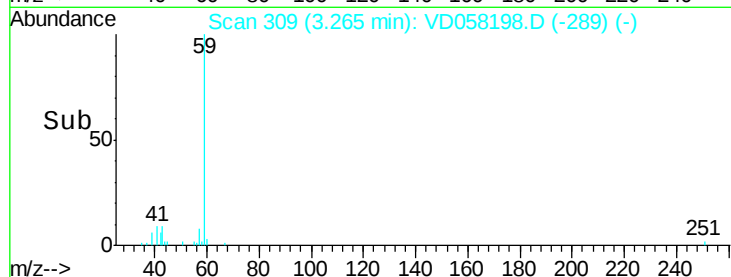
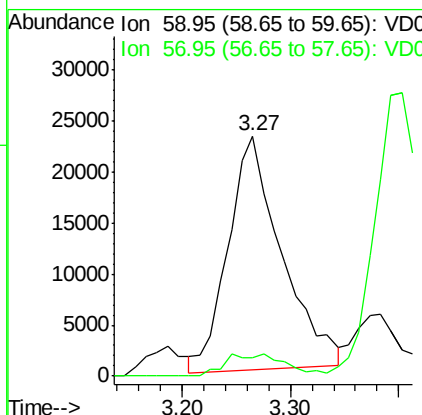
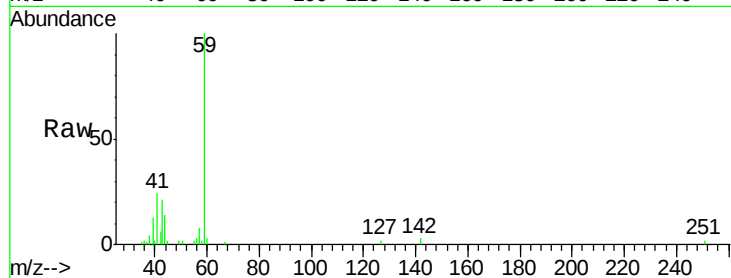


#11

Tert butyl alcohol
 Concen: 317.401 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

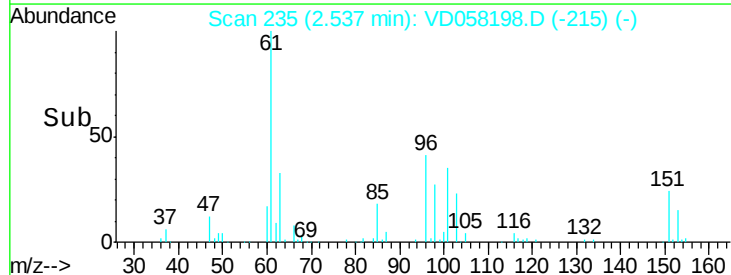
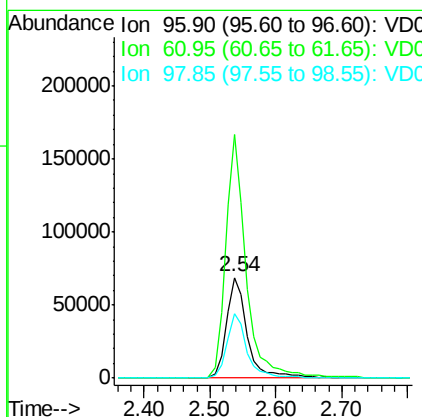
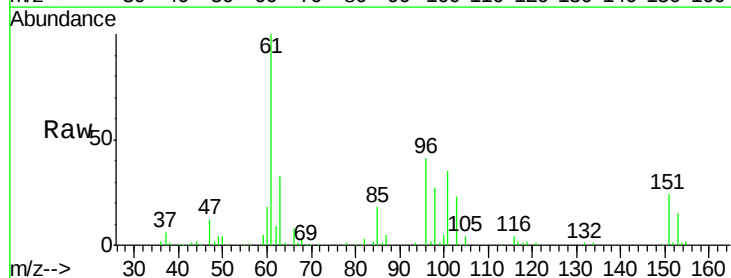
Tgt Ion: 59 Resp: 78753
 Ion Ratio Lower Upper
 59 100
 57 7.8 6.2 9.4

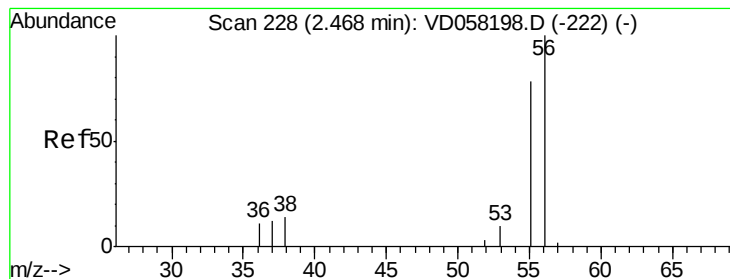


#12

1,1-Dichloroethene
 Concen: 43.684 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 96 Resp: 153544
 Ion Ratio Lower Upper
 96 100
 61 242.4 193.9 290.9
 98 64.6 51.7 77.5





#13

Acrolein

Concen: 96.436 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

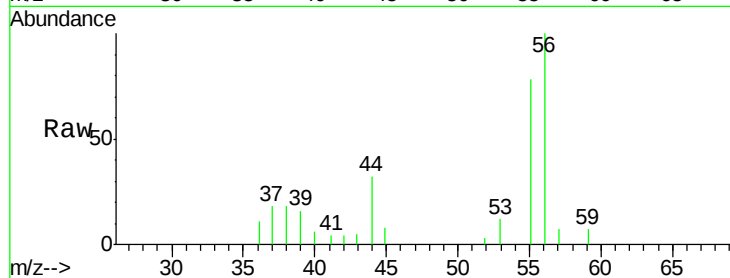
VSTDICCC050

Tgt Ion: 56 Resp: 30013

Ion Ratio Lower Upper

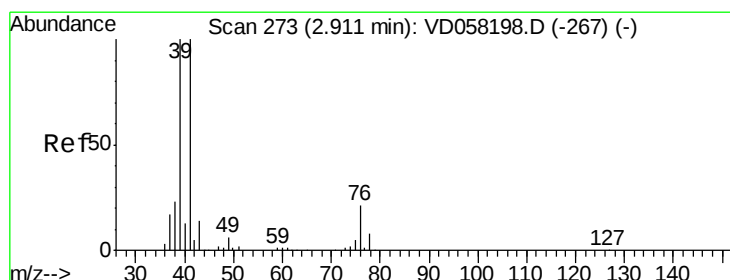
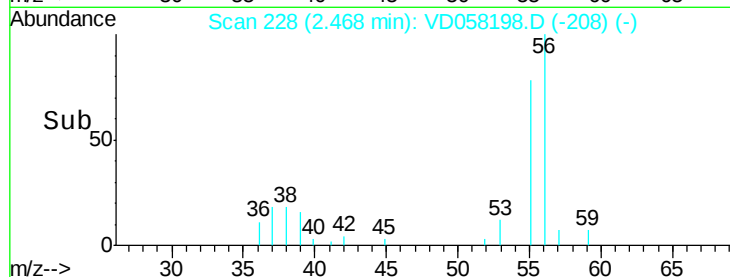
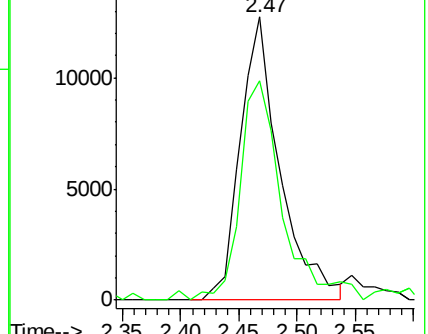
56 100

55 77.6 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.998 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

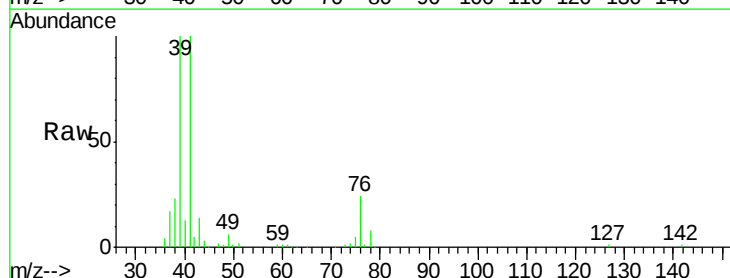
Tgt Ion: 41 Resp: 369494

Ion Ratio Lower Upper

41 100

39 100.1 80.1 120.1

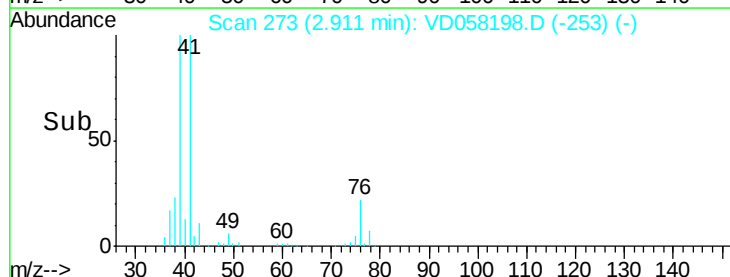
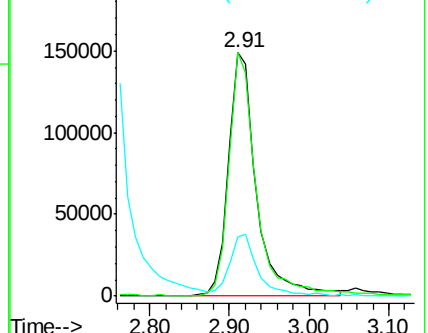
76 24.3 19.4 29.2

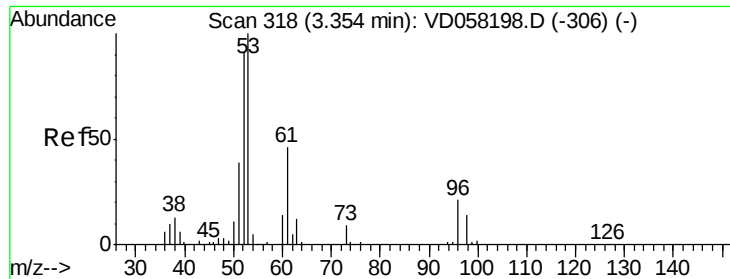


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

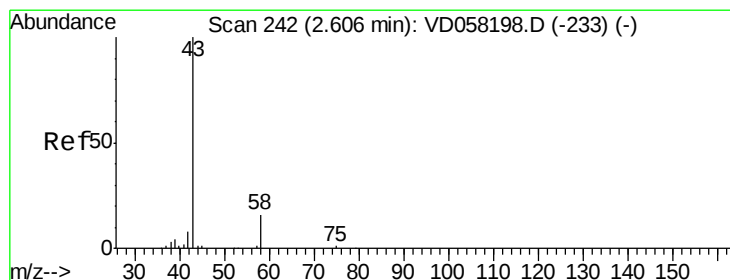
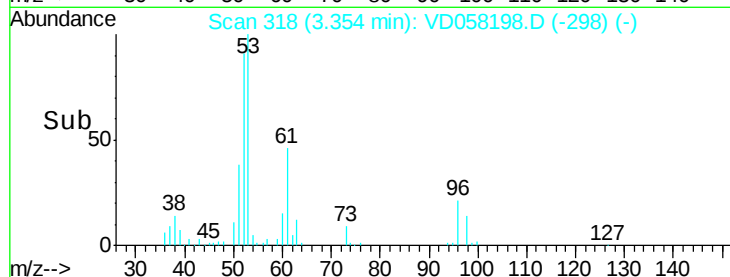
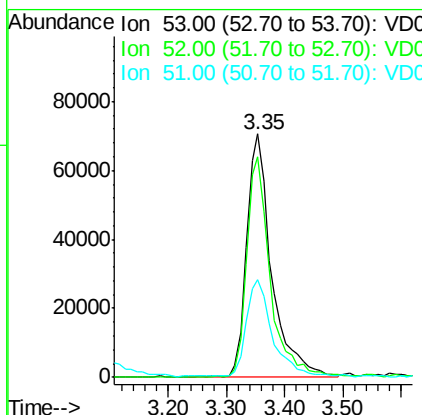
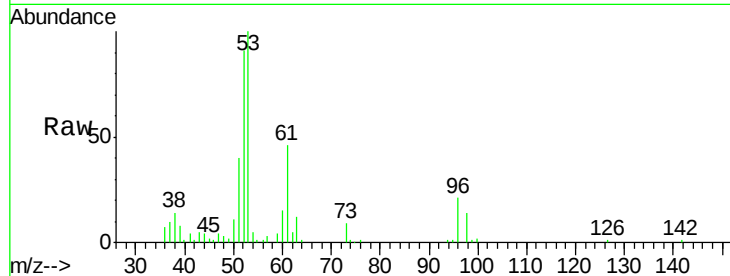




#15
 Acrylonitrile
 Concen: 159.637 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

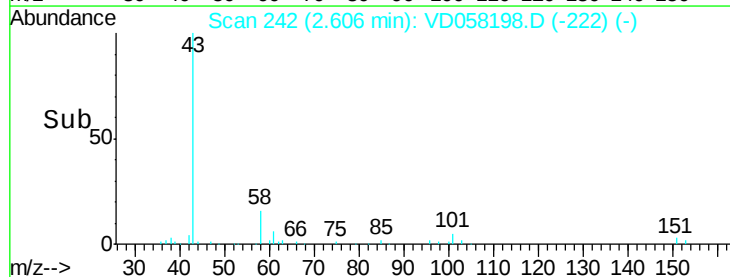
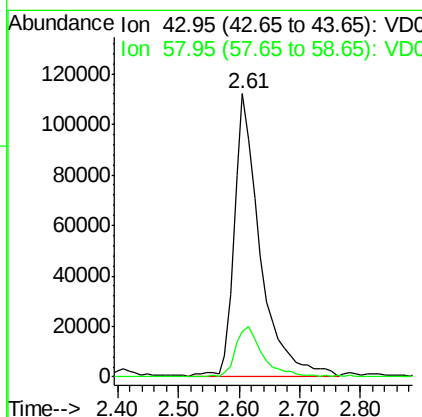
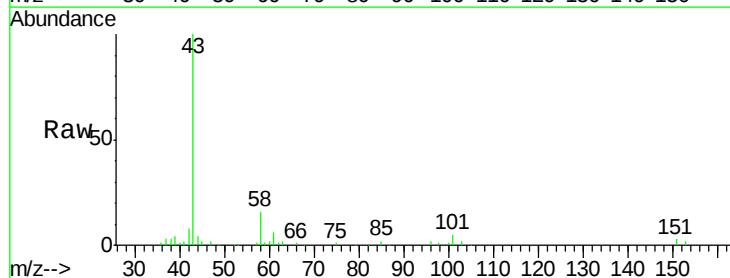
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

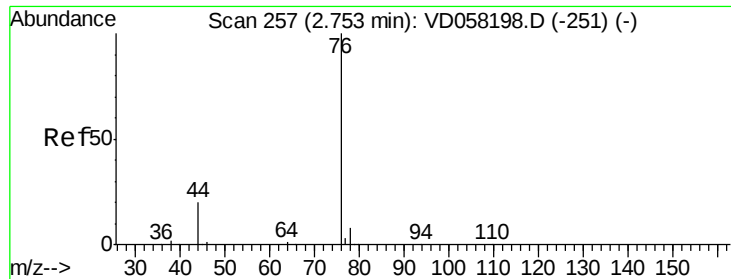
Tgt Ion: 53 Resp: 211560
 Ion Ratio Lower Upper
 53 100
 52 90.7 72.6 108.8
 51 40.3 32.2 48.4



#16
 Acetone
 Concen: 256.759 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 43 Resp: 334619
 Ion Ratio Lower Upper
 43 100
 58 15.9 12.7 19.1

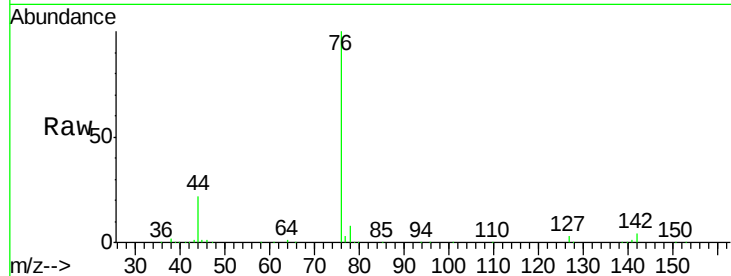




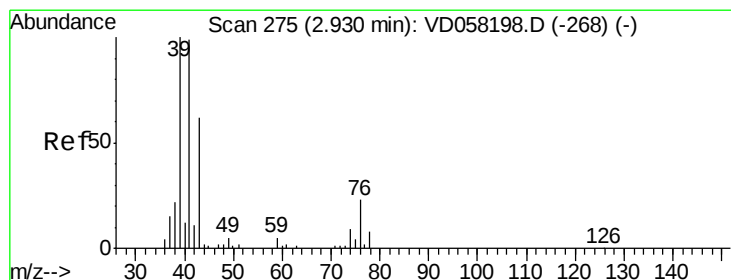
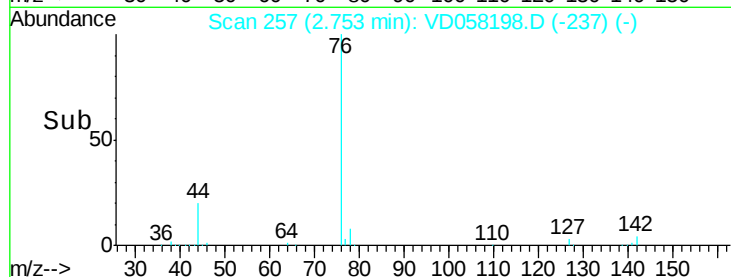
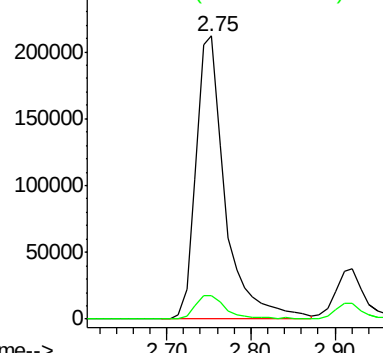
#17
Carbon Disulfide
Concen: 40.361 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 508512
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2

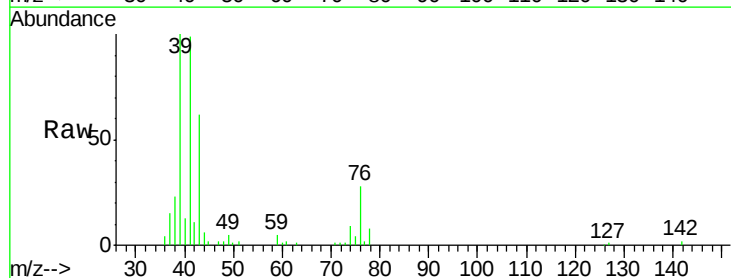


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

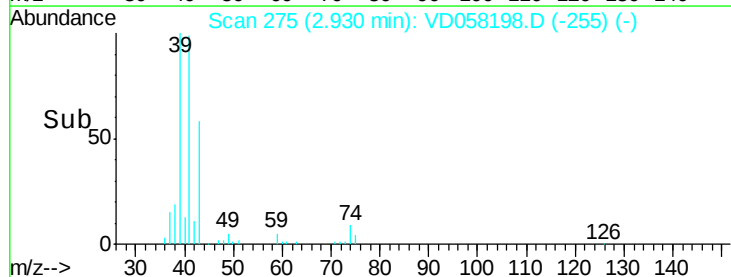
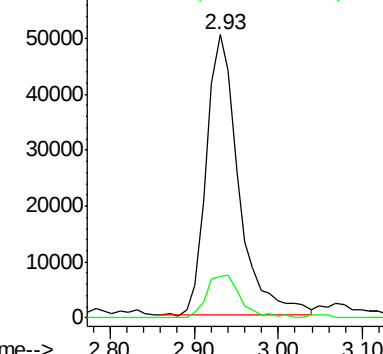


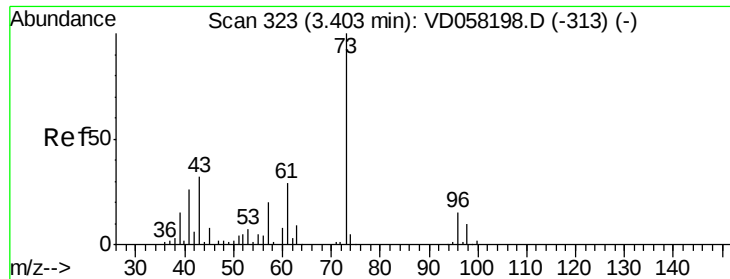
#18
Methyl Acetate
Concen: 52.066 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 43 Resp: 134467
Ion Ratio Lower Upper
43 100
74 14.6 11.7 17.5



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





#19

Methyl tert-butyl Ether

Concen: 29.161 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

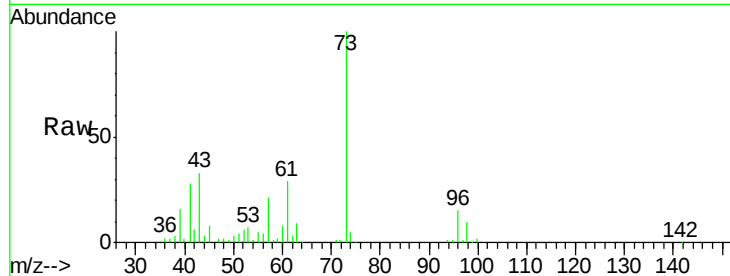
VSTDICCC050

Tgt Ion: 73 Resp: 428037

Ion Ratio Lower Upper

73 100

57 20.7 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

3.40

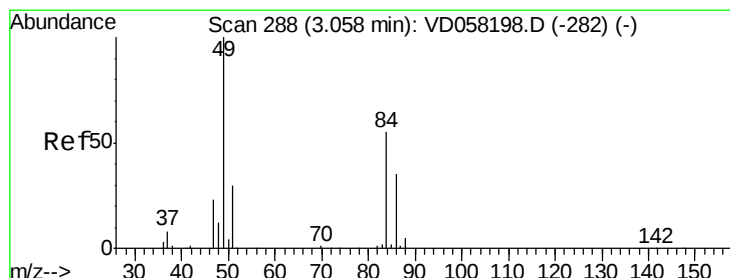
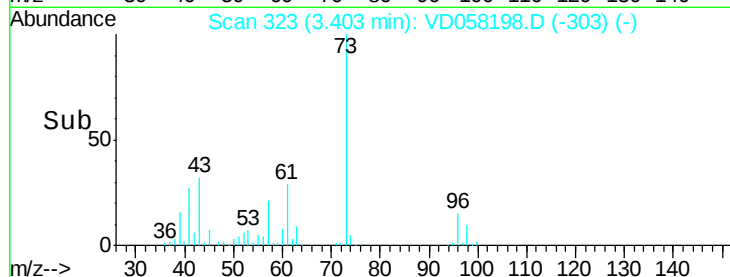
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#20

Methylene Chloride

Concen: 38.259 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Tgt Ion: 84 Resp: 167318

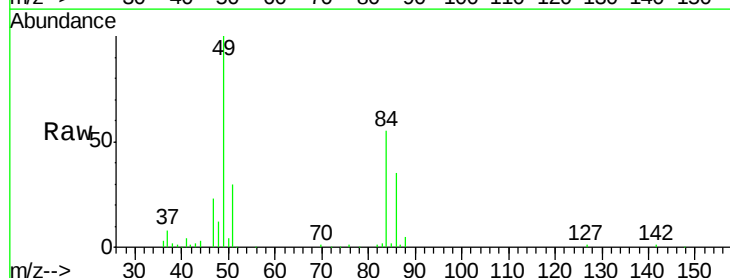
Ion Ratio Lower Upper

84 100

49 181.3 145.0 217.6

51 53.6 42.9 64.3

86 62.6 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

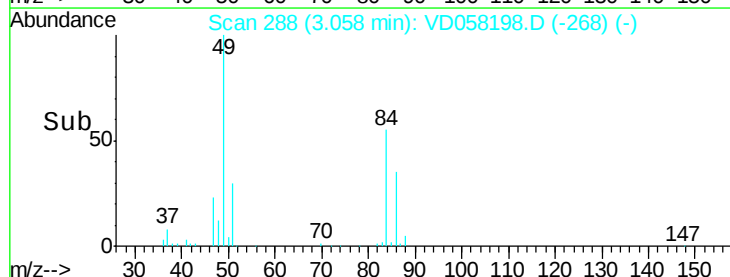
150000

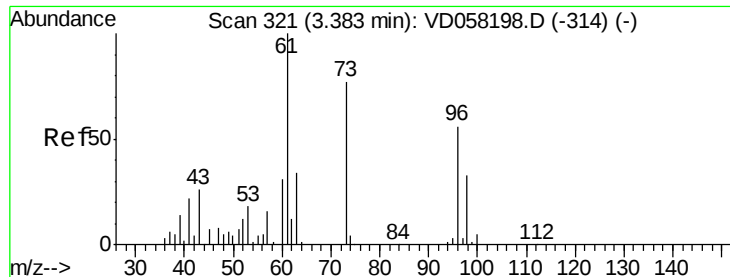
100000

50000

0

Time--> 2.90 3.00 3.10 3.20





#21

trans-1,2-Dichloroethene

Concen: 22.198 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

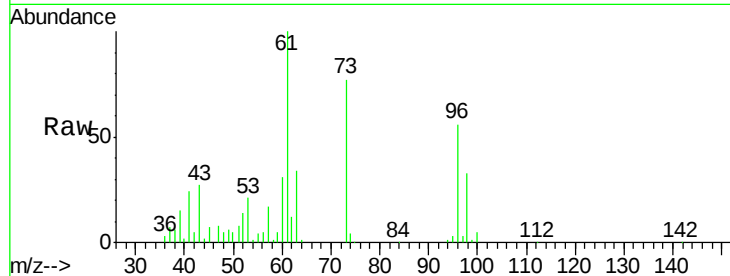
Tgt Ion: 96 Resp: 160776

Ion Ratio Lower Upper

96 100

61 179.7 143.8 215.6

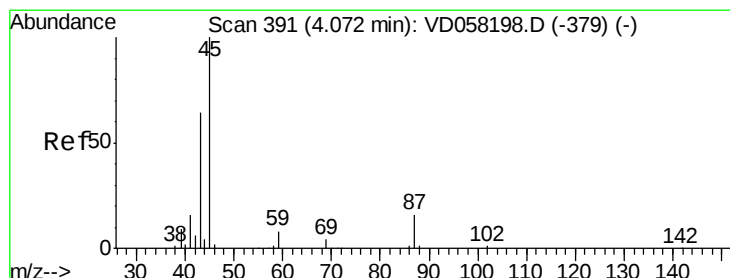
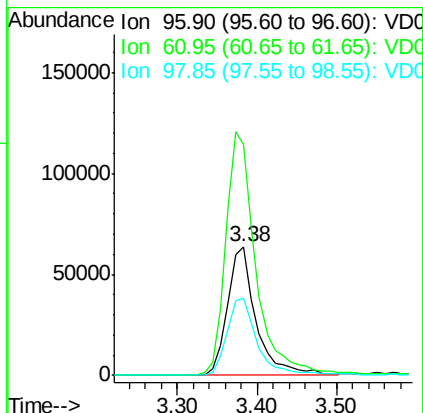
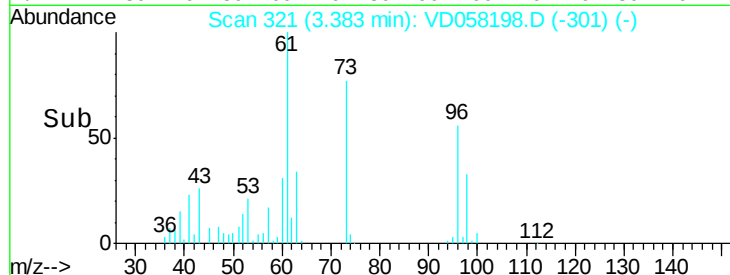
98 60.0 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 44.521 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Tgt Ion: 45 Resp: 1434501

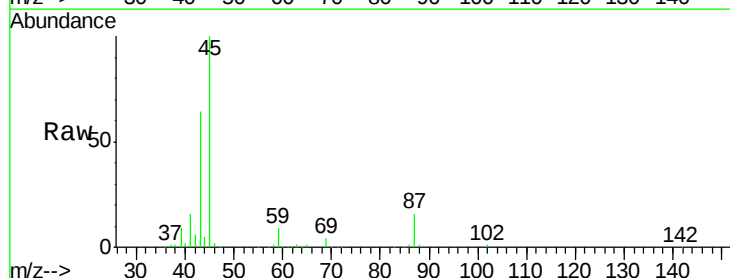
Ion Ratio Lower Upper

45 100

43 64.2 51.4 77.0

87 16.2 13.0 19.4

59 8.6 6.9 10.3

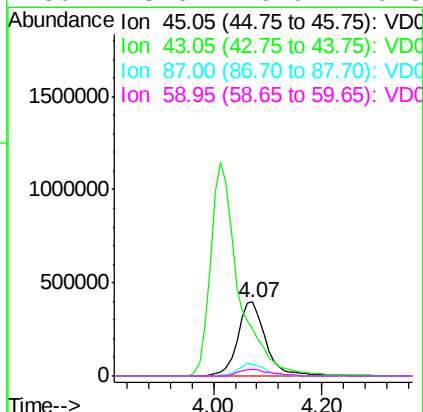
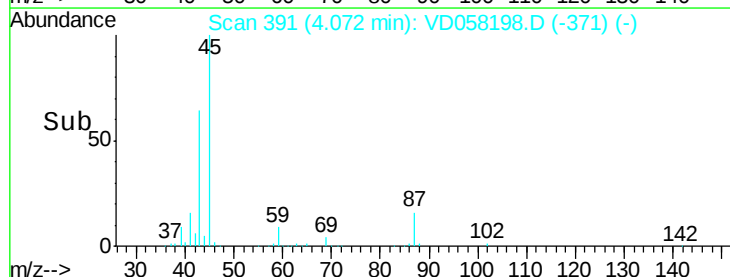


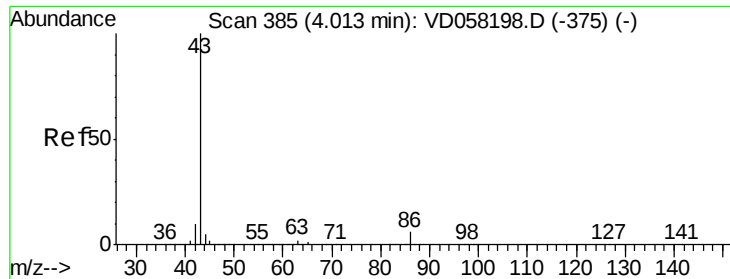
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 245.114 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

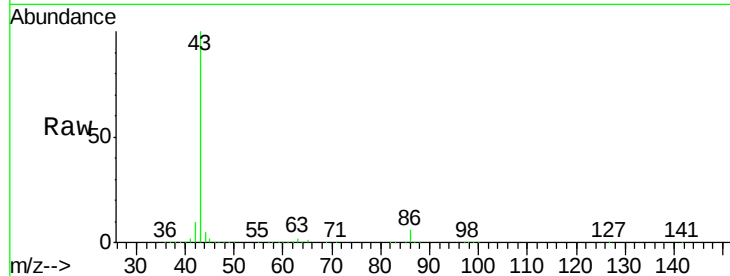
VSTDICCC050

Tgt Ion: 43 Resp: 4118511

Ion Ratio Lower Upper

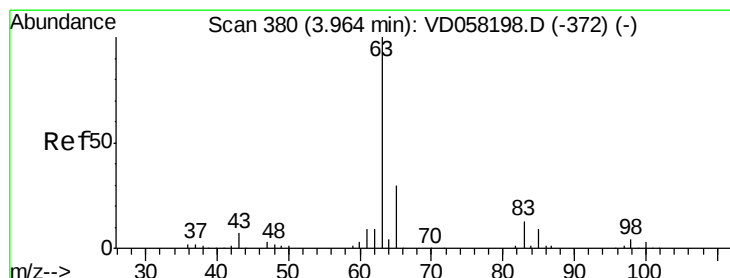
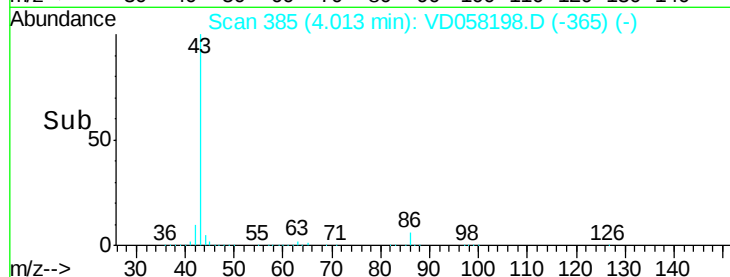
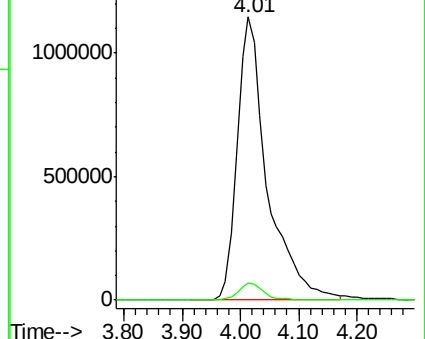
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 42.919 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

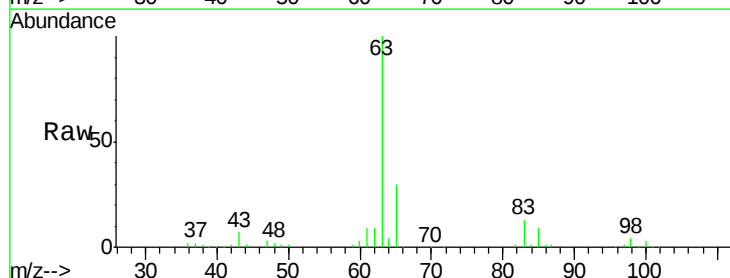
Tgt Ion: 63 Resp: 761120

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

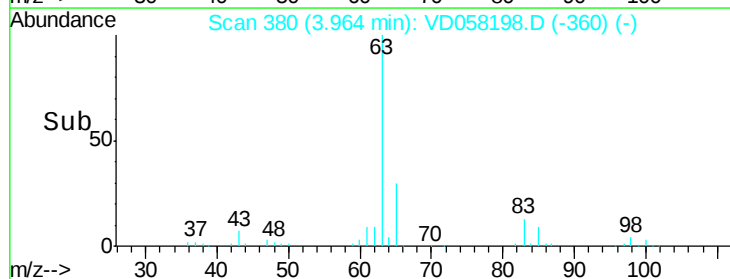
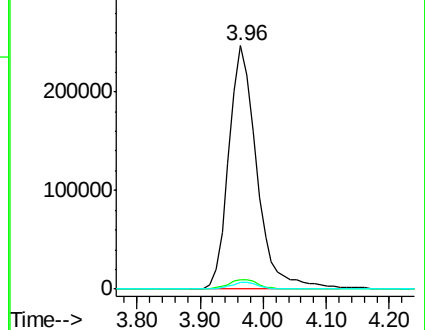
100 2.6 1.3 3.9

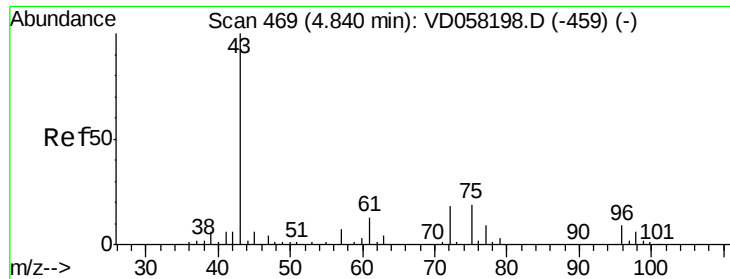


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 244.705 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

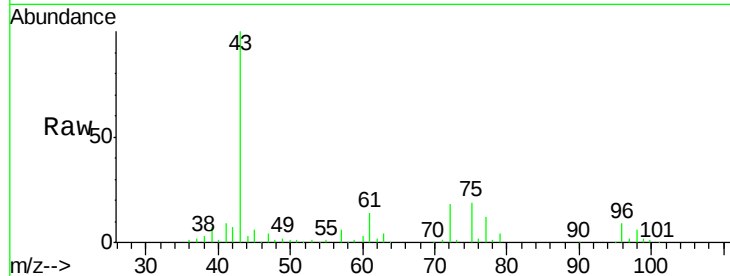
VSTDICCC050

Tgt Ion: 43 Resp: 715671

Ion Ratio Lower Upper

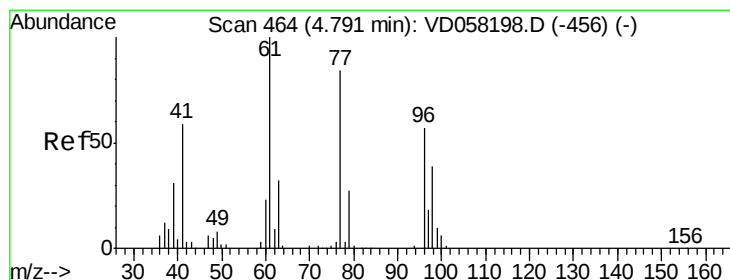
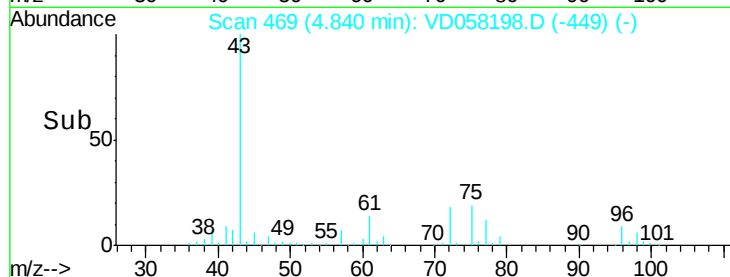
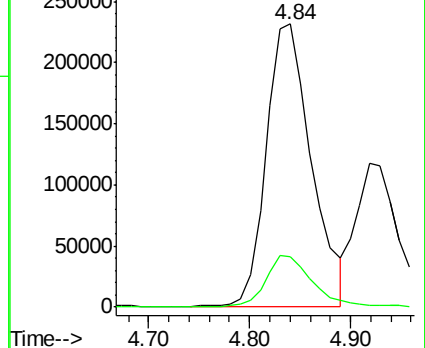
43 100

72 17.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.241 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058198.D

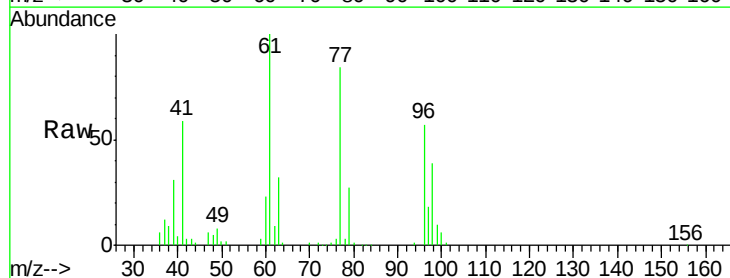
Acq: 19 Jun 2018 16:59

Tgt Ion: 77 Resp: 630371

Ion Ratio Lower Upper

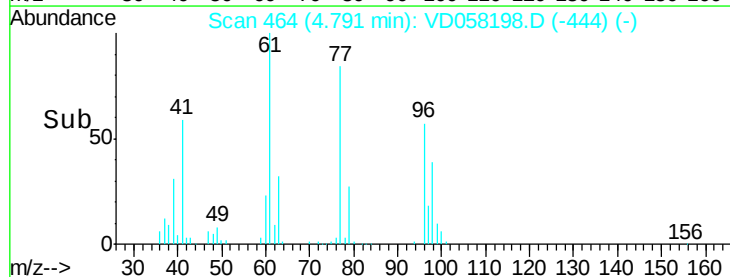
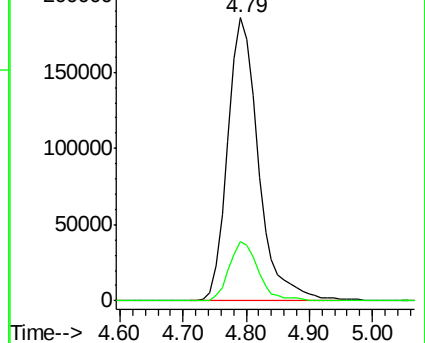
77 100

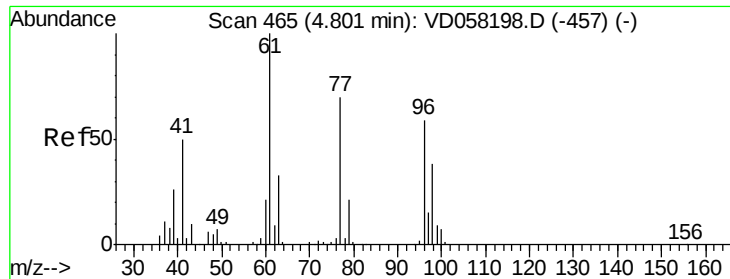
97 21.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



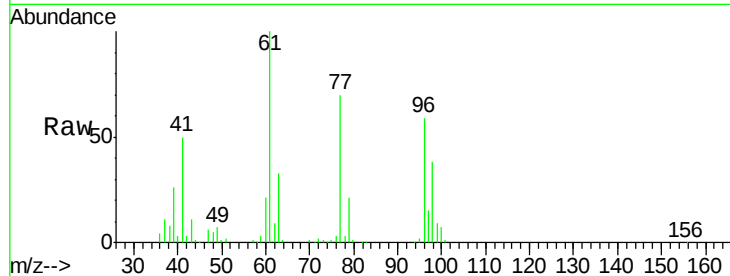


#27

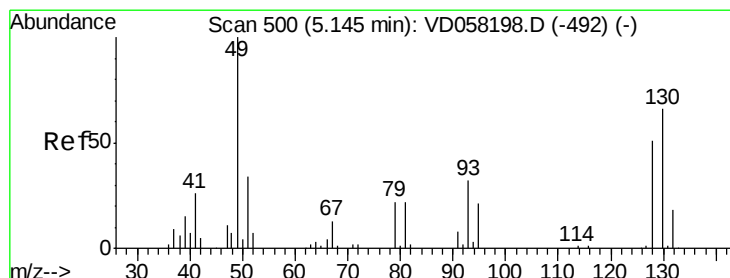
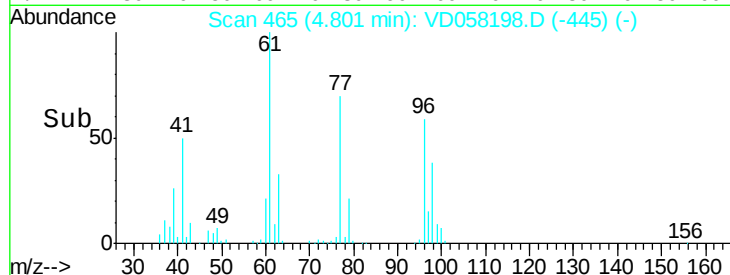
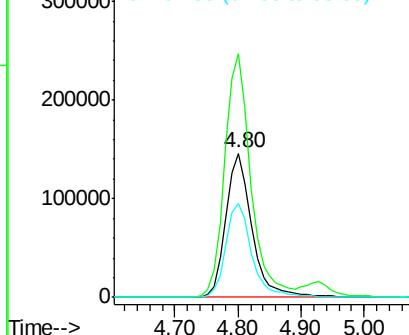
cis-1,2-Dichloroethene
Concen: 44.512 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 416649
Ion Ratio Lower Upper
96 100
61 169.3 0.0 338.6
98 65.1 0.0 130.2



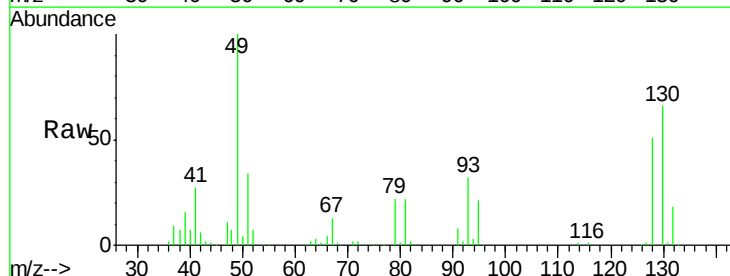
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



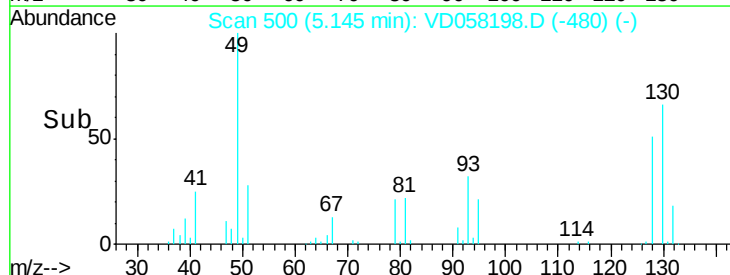
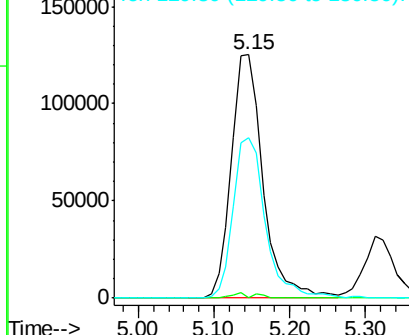
#28

Bromochloromethane
Concen: 46.877 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 49 Resp: 363478
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 65.8 52.6 79.0



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





#29

Tetrahydrofuran

Concen: 256.529 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

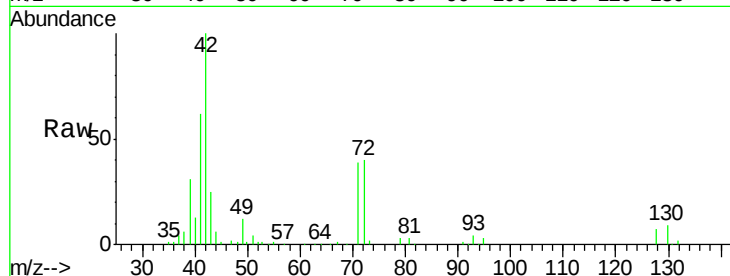
Tgt Ion: 42 Resp: 398346

Ion Ratio Lower Upper

42 100

72 37.7 30.2 45.2

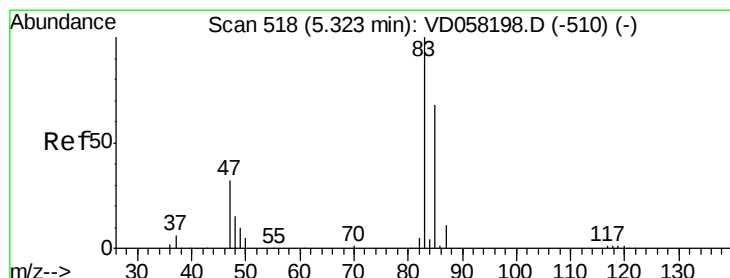
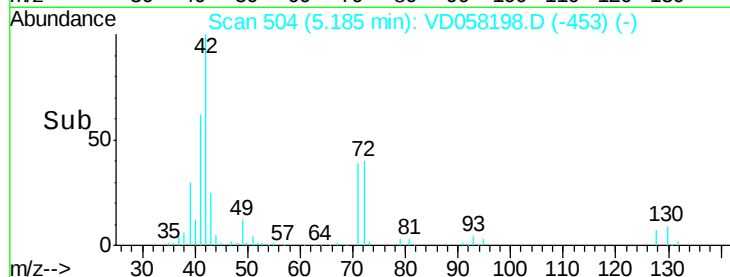
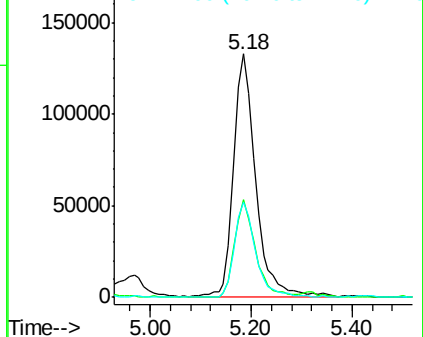
71 37.6 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 45.338 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD058198.D

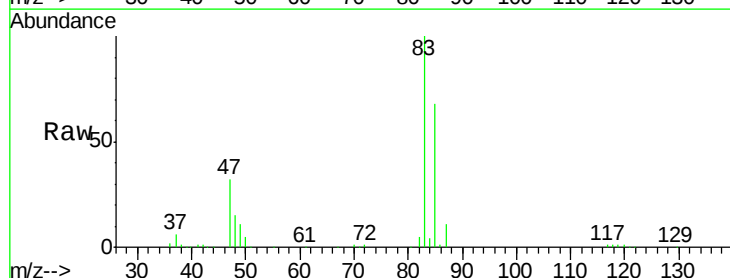
Acq: 19 Jun 2018 16:59

Tgt Ion: 83 Resp: 813800

Ion Ratio Lower Upper

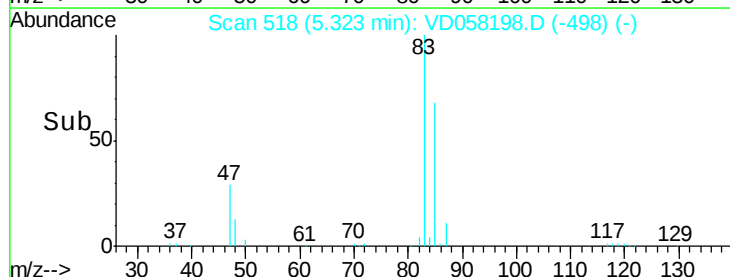
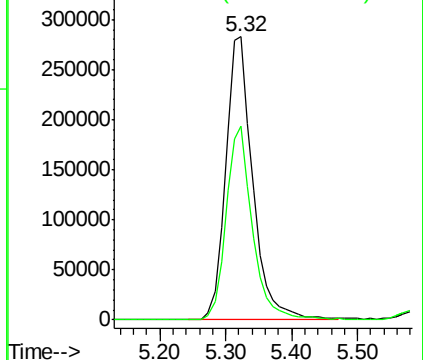
83 100

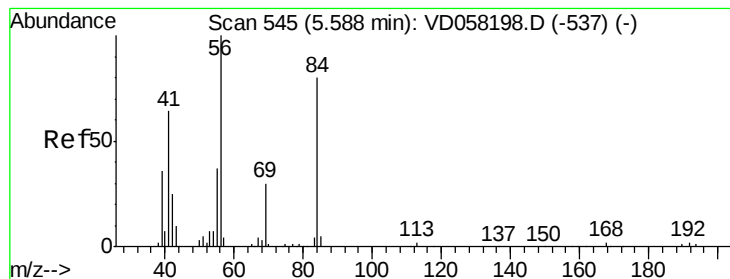
85 68.5 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 39.959 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

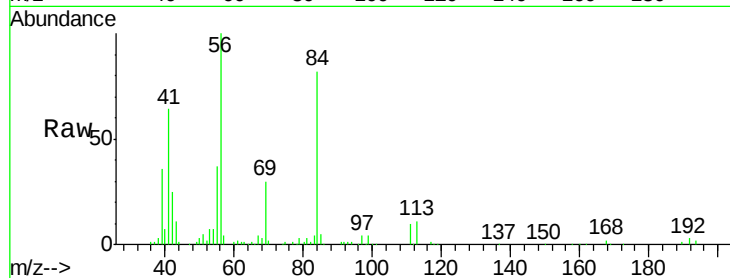
Tgt Ion: 56 Resp: 612018

Ion Ratio Lower Upper

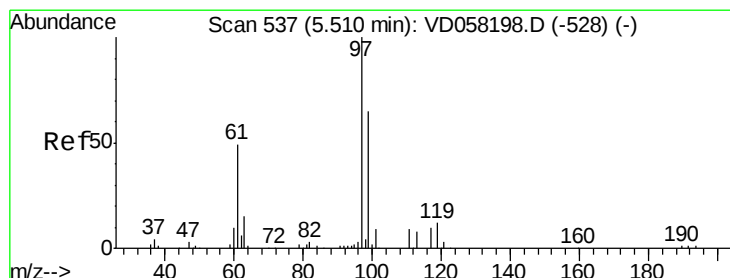
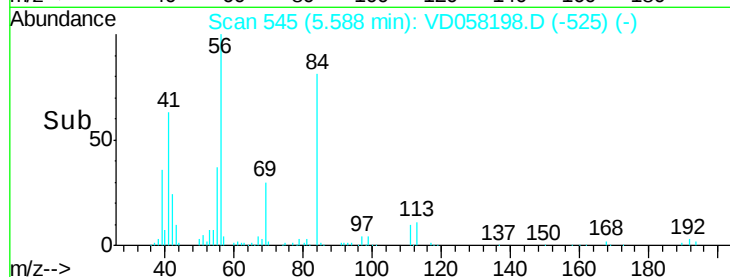
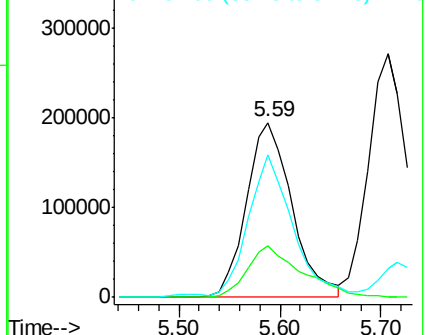
56 100

69 29.5 23.6 35.4

84 81.5 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 45.293 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

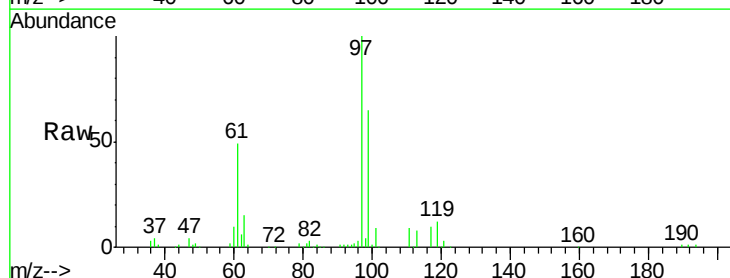
Tgt Ion: 97 Resp: 680677

Ion Ratio Lower Upper

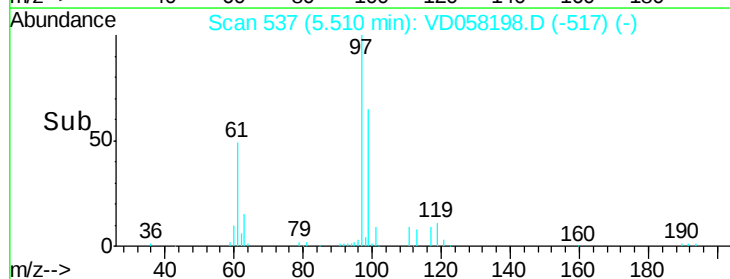
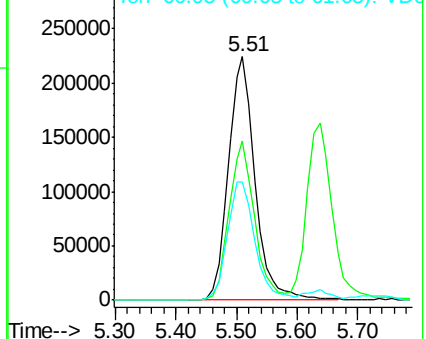
97 100

99 65.3 52.2 78.4

61 48.7 39.0 58.4



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

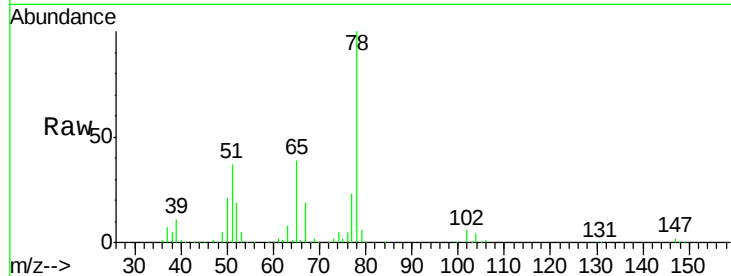




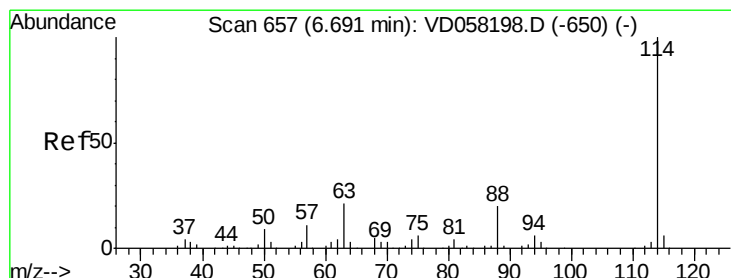
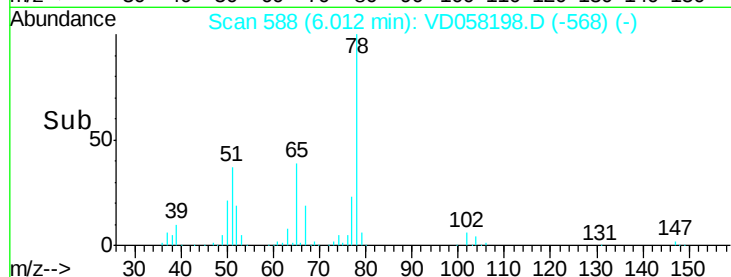
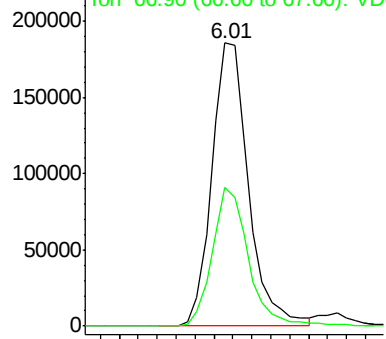
#33
 1,2-Dichloroethane-d4
 Concen: 45.293 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 498967
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8

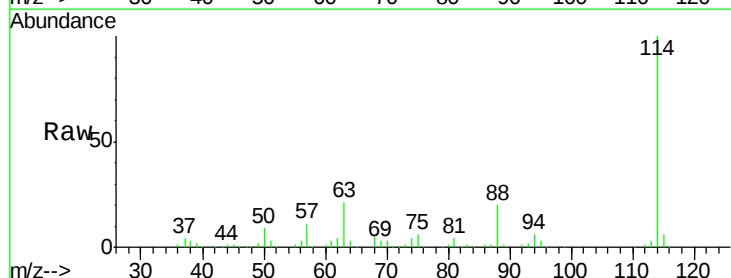


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

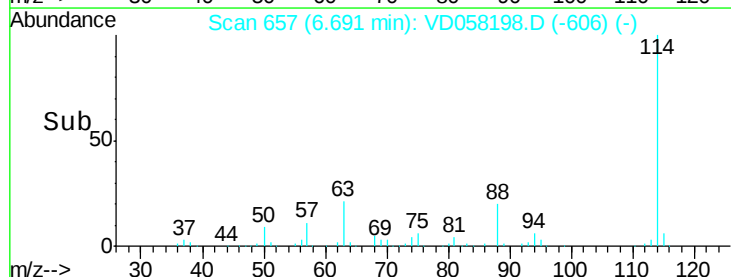
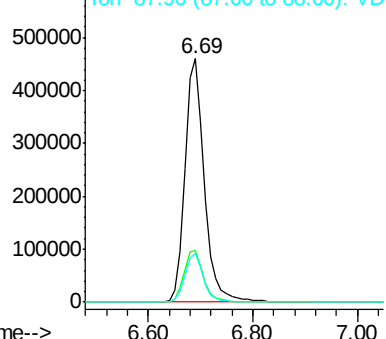


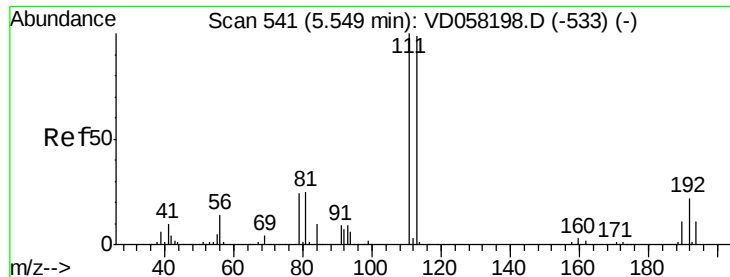
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 114 Resp: 1180103
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 20.3 0.0 40.6



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

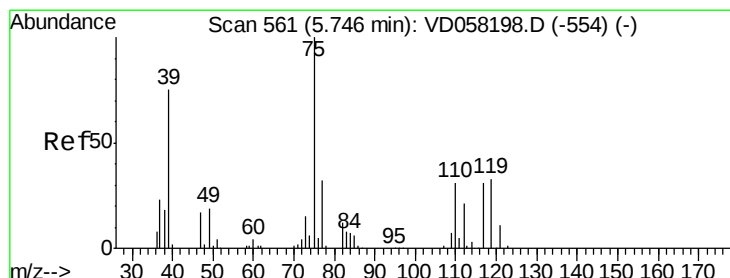
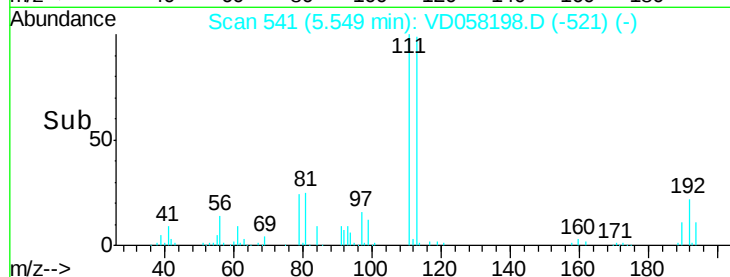
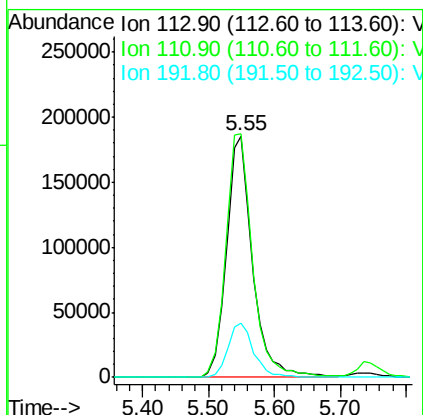
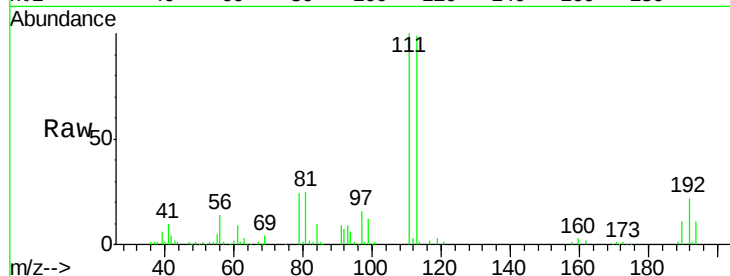




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

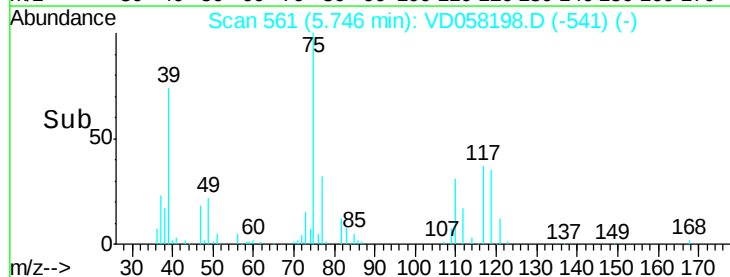
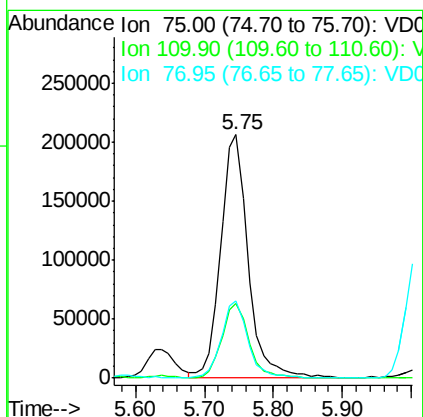
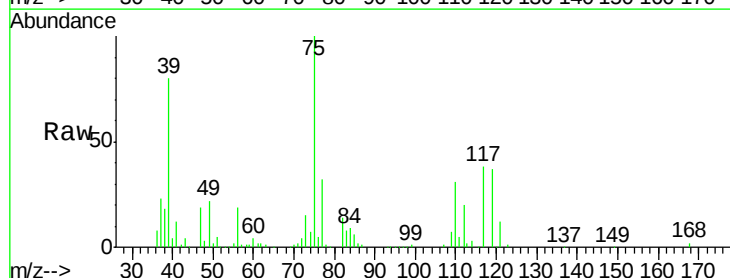
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

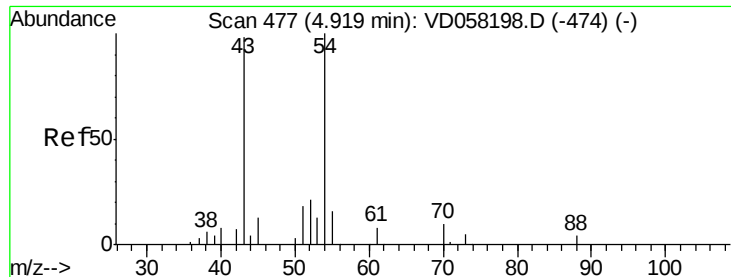
Tgt Ion: 113 Resp: 512181
Ion Ratio Lower Upper
113 100
111 100.8 80.6 121.0
192 22.2 17.8 26.6



#36
1,1-Dichloropropene
Concen: 44.181 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 75 Resp: 562979
Ion Ratio Lower Upper
75 100
110 30.9 15.4 46.4
77 31.8 25.4 38.2





#37

Ethyl Acetate

Concen: 50.190 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

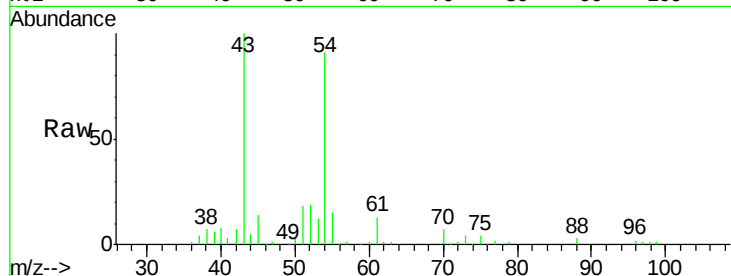
Tgt Ion: 43 Resp: 357189

Ion Ratio Lower Upper

43 100

61 12.9 10.3 15.5

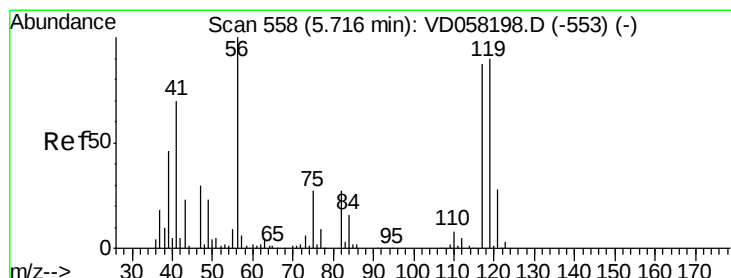
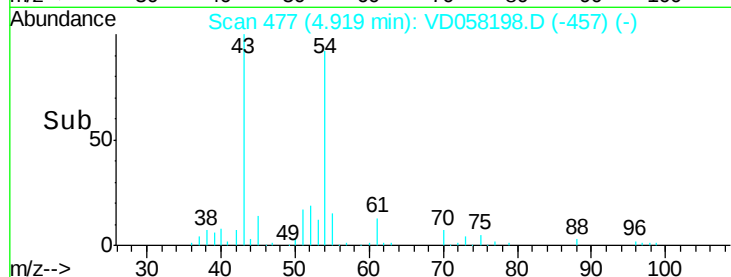
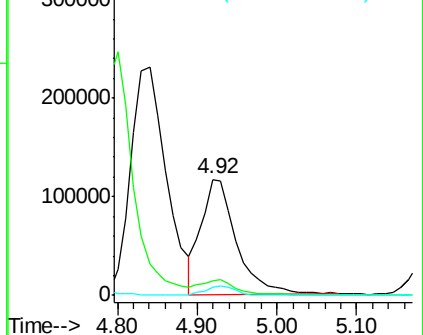
70 7.1 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 45.724 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

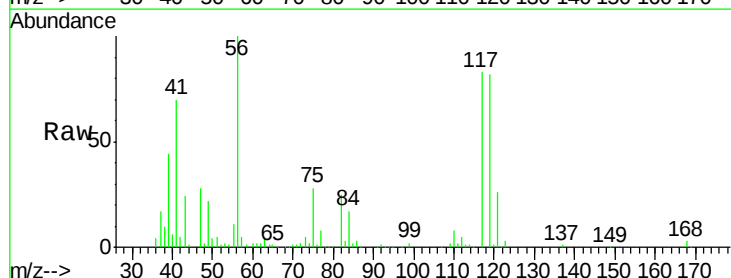
Tgt Ion: 117 Resp: 576195

Ion Ratio Lower Upper

117 100

119 98.5 78.8 118.2

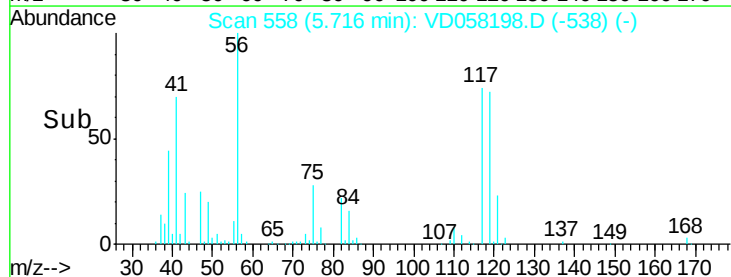
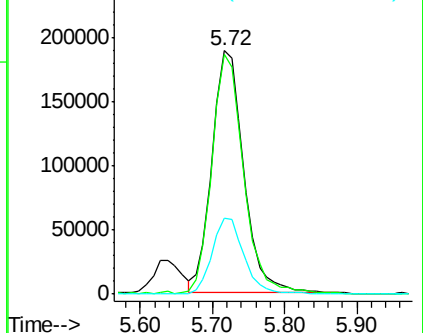
121 31.3 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 43.966 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

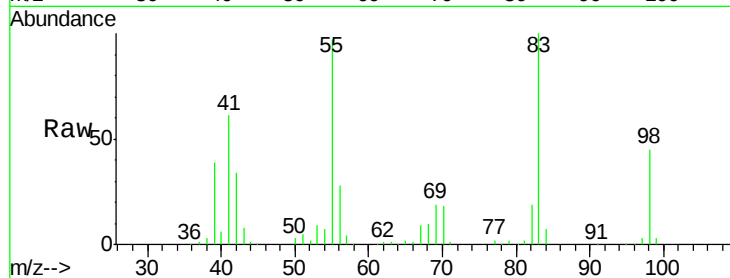
Tgt Ion: 83 Resp: 551182

Ion Ratio Lower Upper

83 100

55 96.8 77.4 116.2

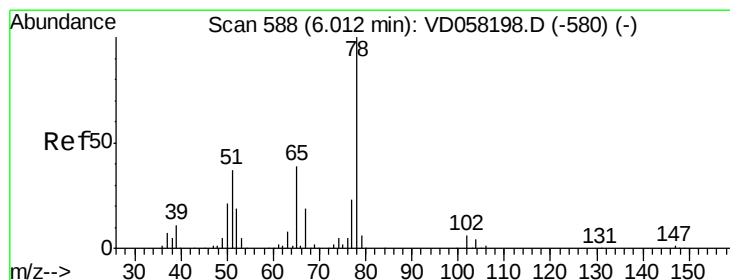
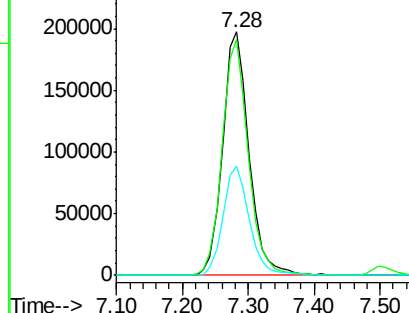
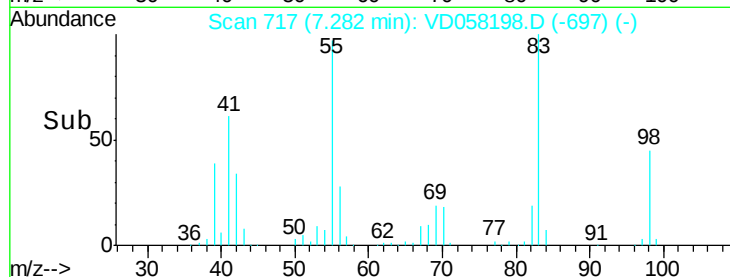
98 44.9 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 44.674 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058198.D

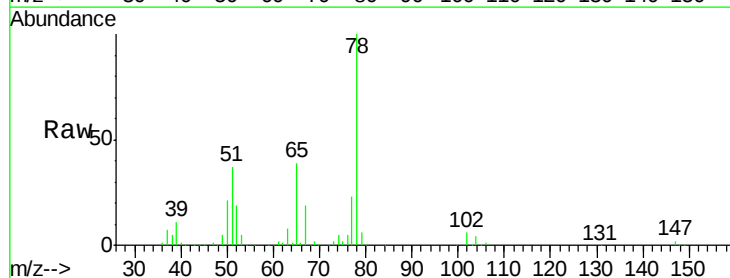
Acq: 19 Jun 2018 16:59

Tgt Ion: 78 Resp: 1330524

Ion Ratio Lower Upper

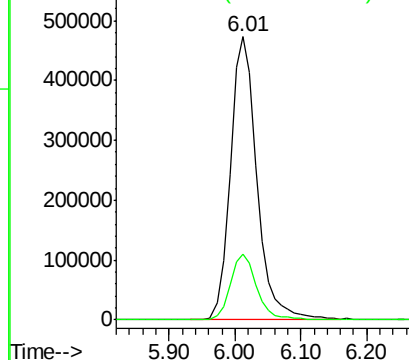
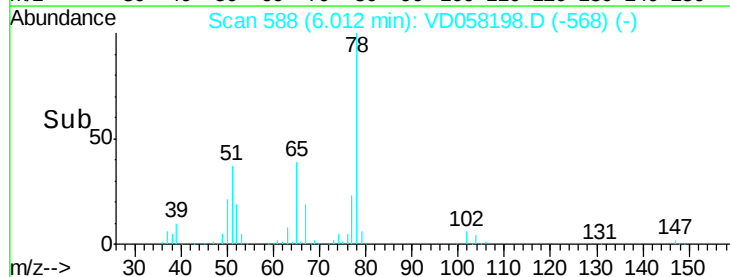
78 100

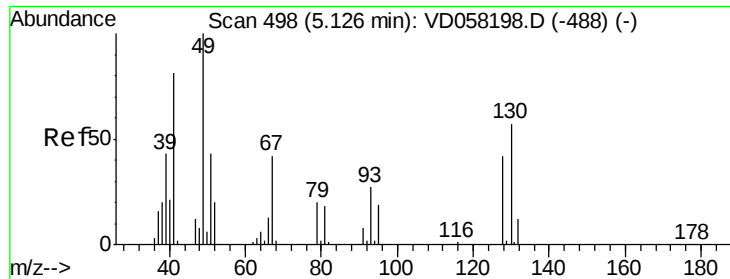
77 23.1 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

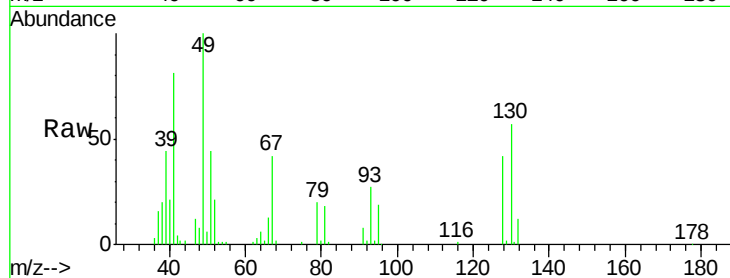




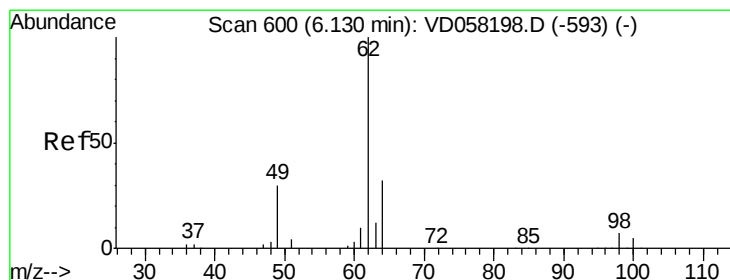
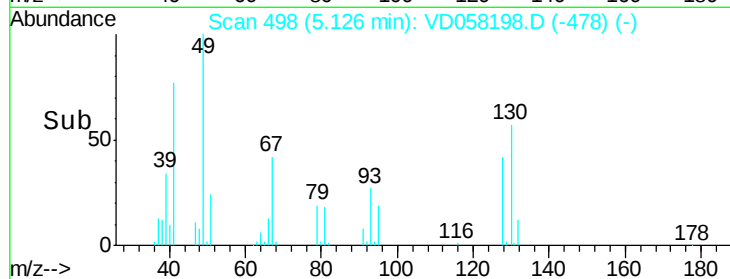
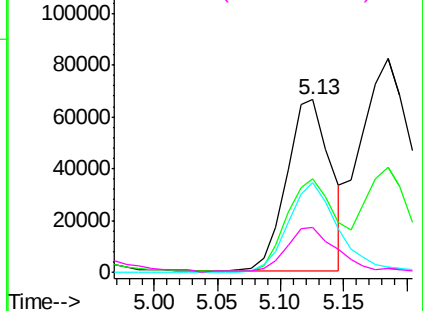
#41
Methacrylonitrile
Concen: 49.965 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	161236
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.2
67	52.1	41.7	62.5
52	25.7	20.6	30.8

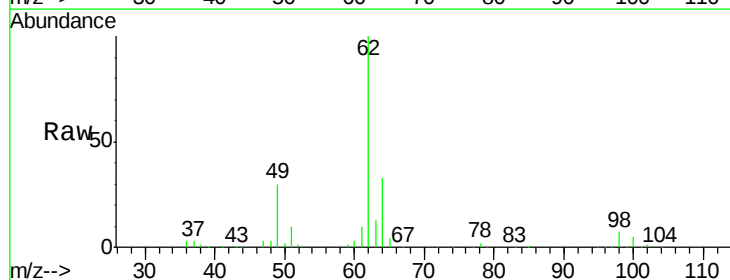


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

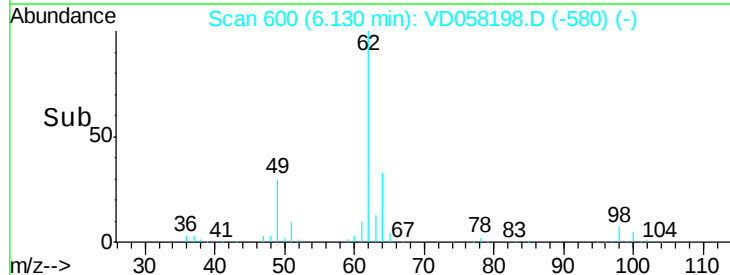
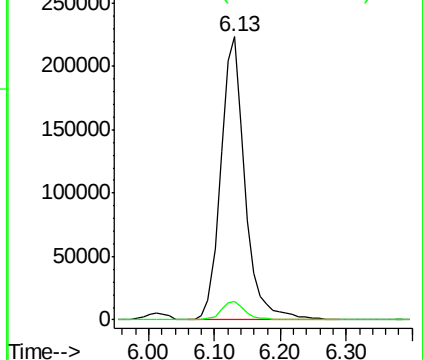


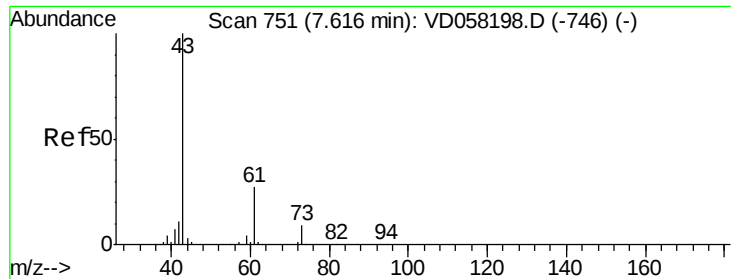
#42
1,2-Dichloroethane
Concen: 47.023 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion:	62	Resp:	567959
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.368 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

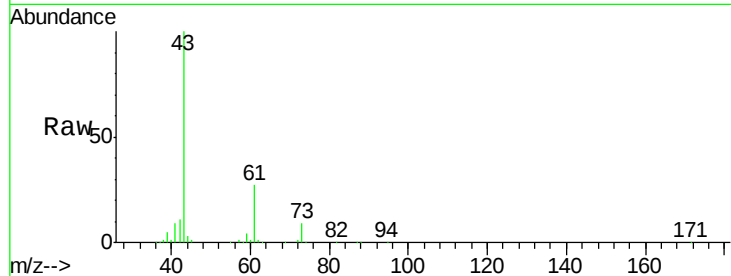
Tgt Ion: 43 Resp: 487904

Ion Ratio Lower Upper

43 100

61 27.2 21.8 32.6

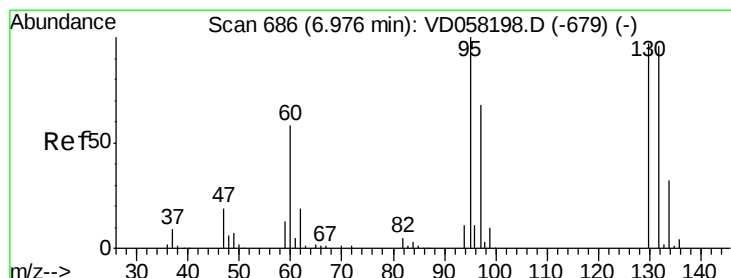
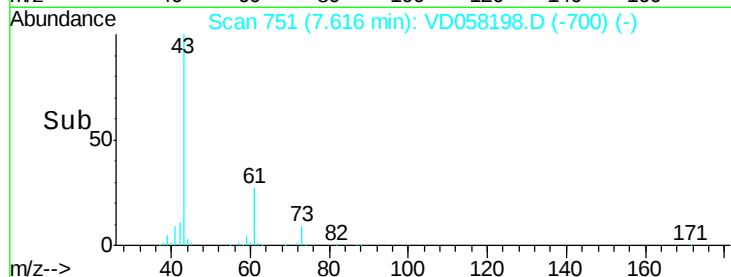
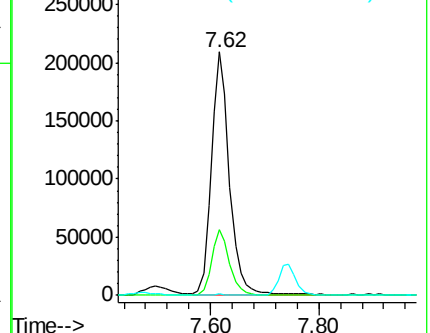
87 0.4 0.3 0.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.555 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058198.D

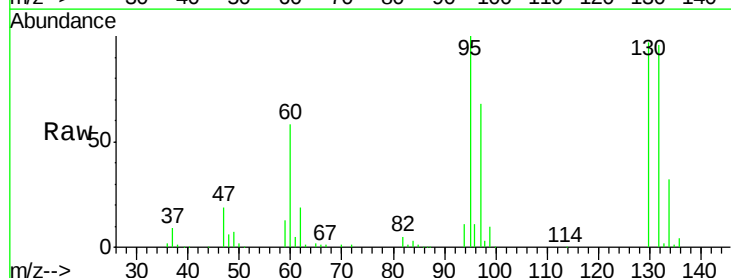
Acq: 19 Jun 2018 16:59

Tgt Ion: 130 Resp: 405164

Ion Ratio Lower Upper

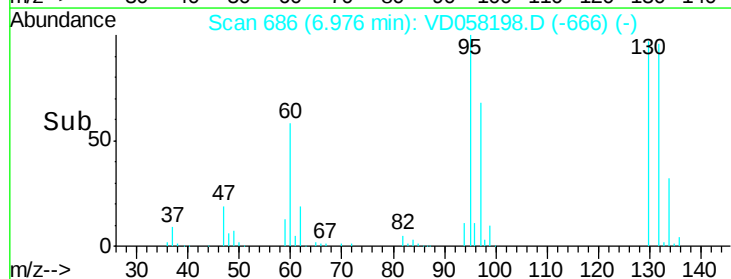
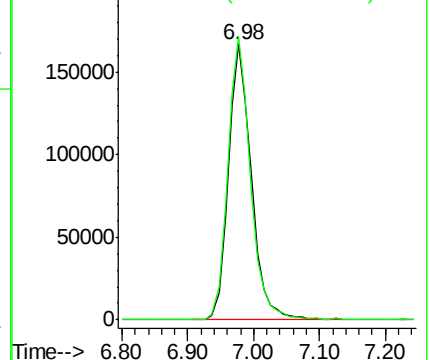
130 100

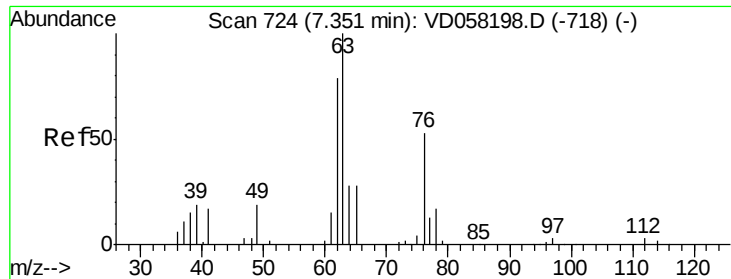
95 102.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.835 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

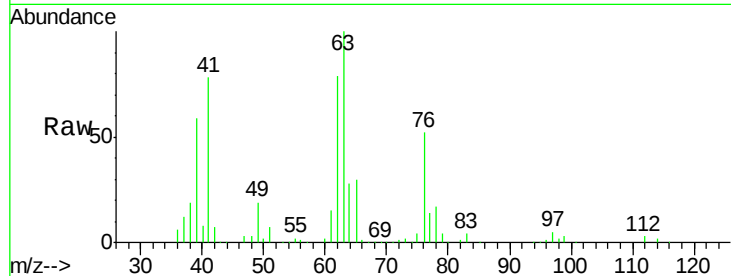
VSTDICCC050

Tgt Ion: 63 Resp: 379303

Ion Ratio Lower Upper

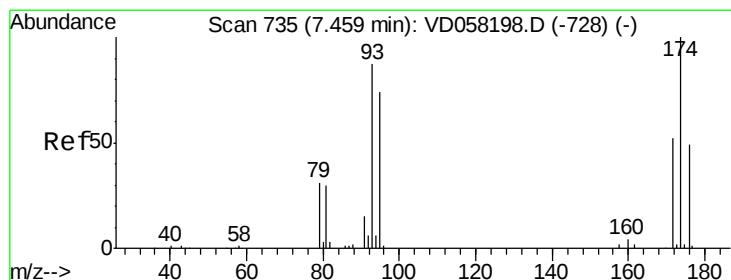
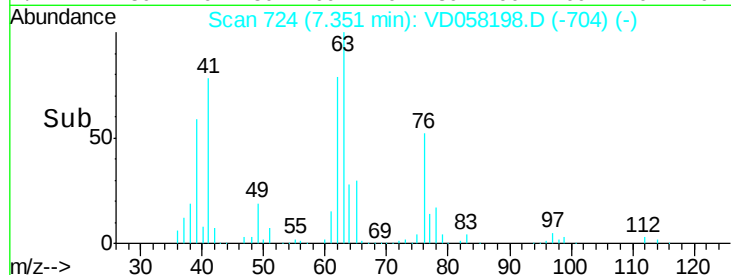
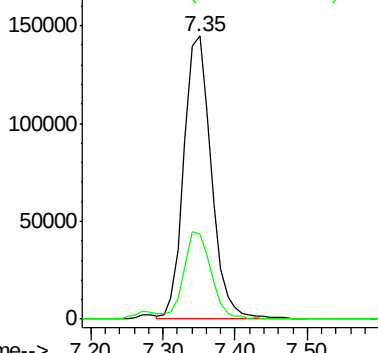
63 100

65 30.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.724 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

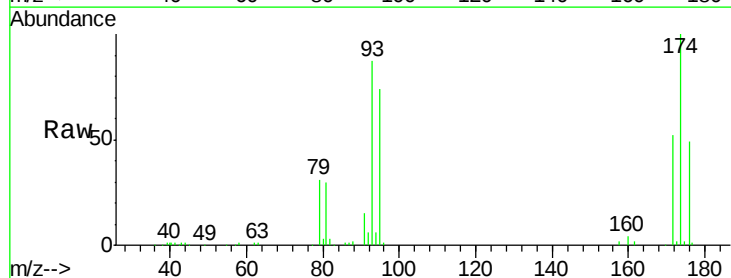
Tgt Ion: 93 Resp: 268255

Ion Ratio Lower Upper

93 100

95 84.7 67.8 101.6

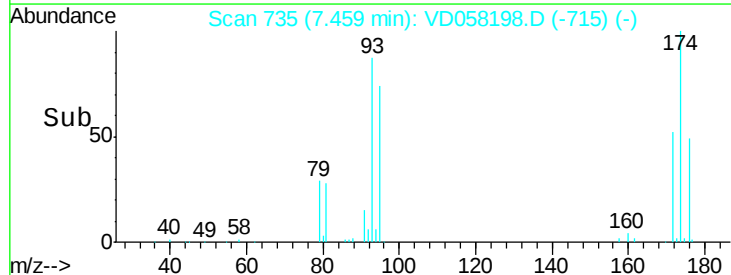
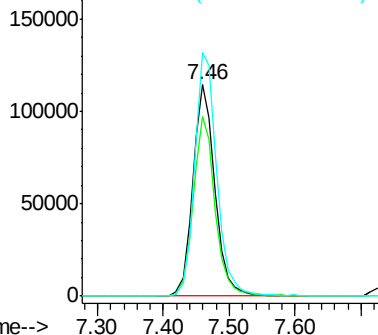
174 115.2 92.2 138.2

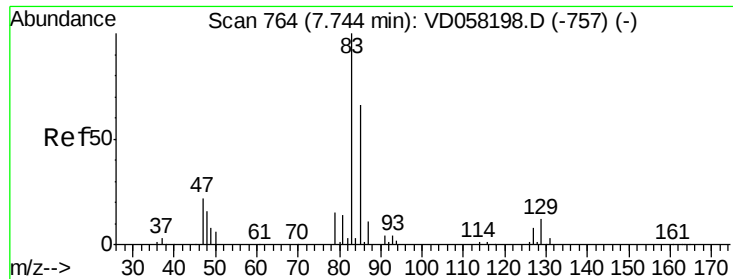


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 47.280 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

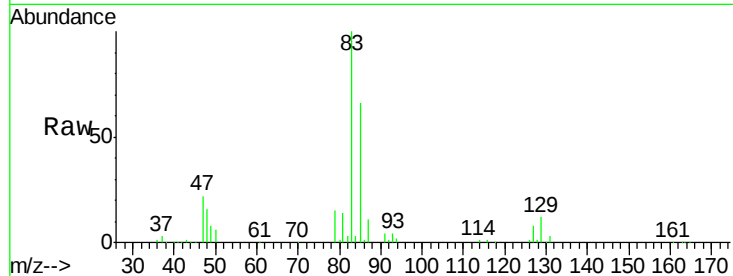
Tgt Ion: 83 Resp: 587972

Ion Ratio Lower Upper

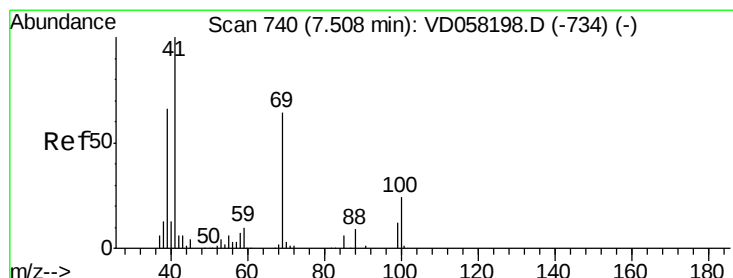
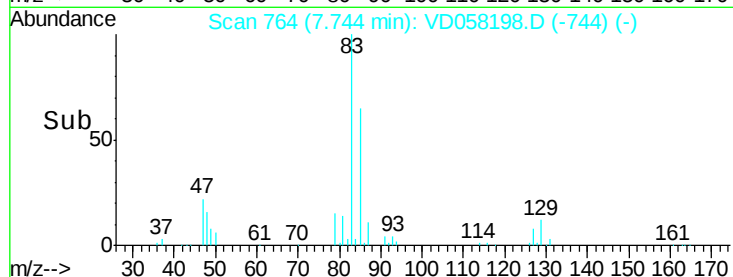
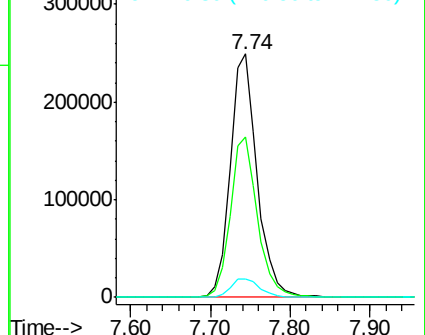
83 100

85 65.7 52.6 78.8

127 7.8 6.2 9.4



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



#48

Methyl methacrylate

Concen: 50.087 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

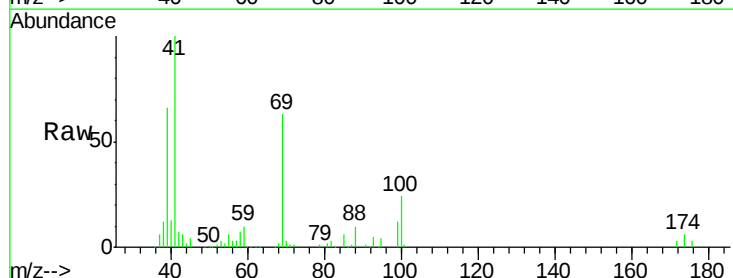
Tgt Ion: 41 Resp: 285997

Ion Ratio Lower Upper

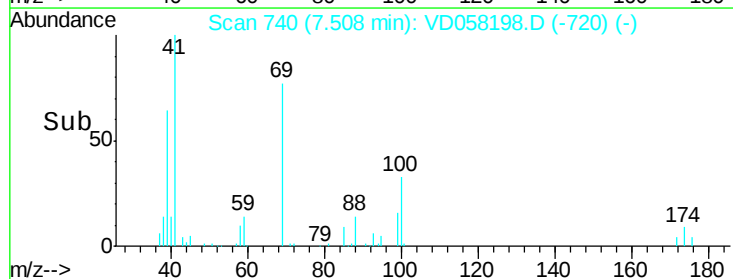
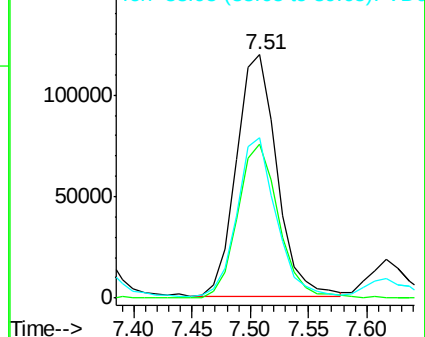
41 100

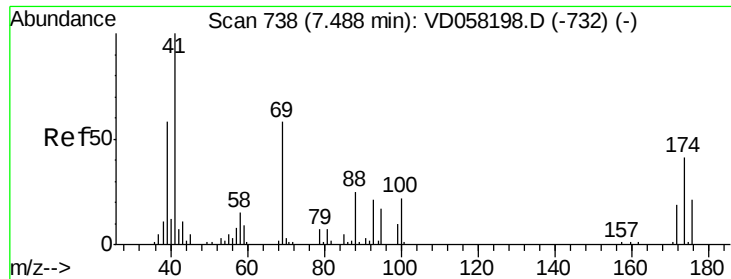
69 63.4 50.7 76.1

39 65.7 52.6 78.8



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





#49

1,4-Dioxane

Concen: 1163.924 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

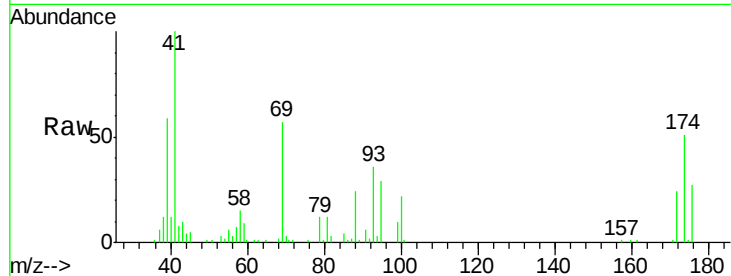
Tgt Ion: 88 Resp: 56862

Ion Ratio Lower Upper

88 100

43 42.7 34.2 51.2

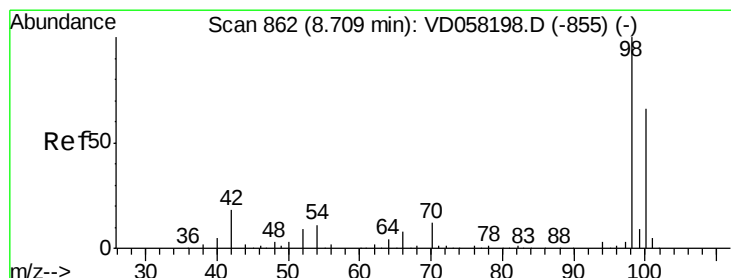
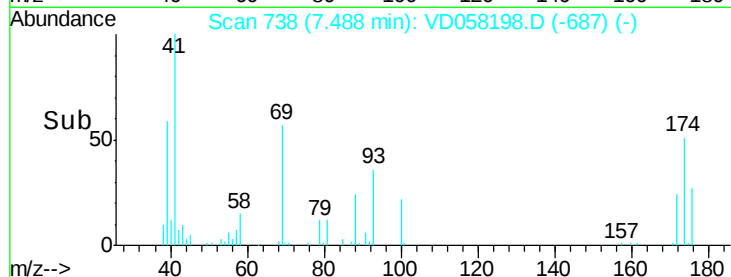
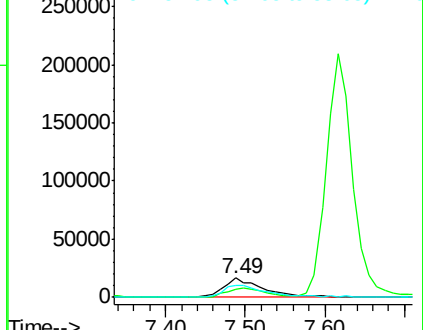
58 59.9 47.9 71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1163.924 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058198.D

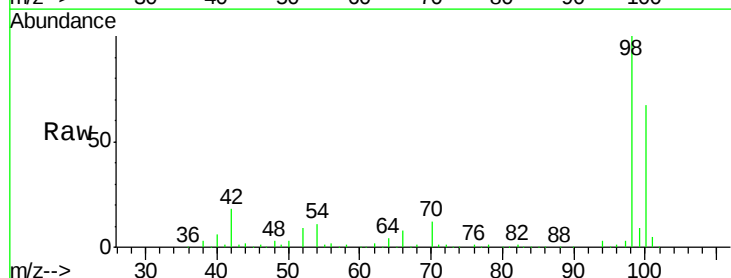
Acq: 19 Jun 2018 16:59

Tgt Ion: 98 Resp: 1252312

Ion Ratio Lower Upper

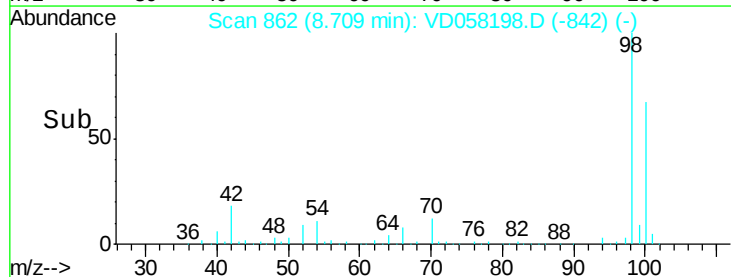
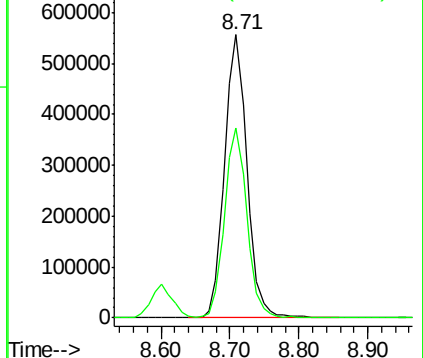
98 100

100 67.0 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

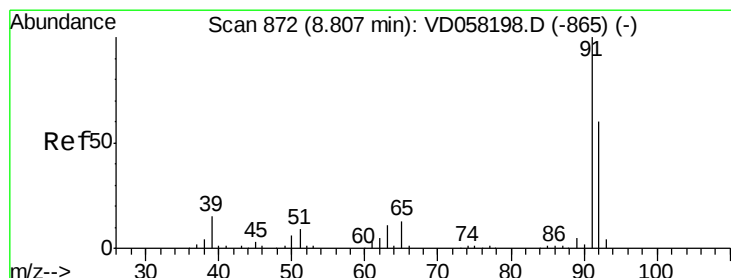
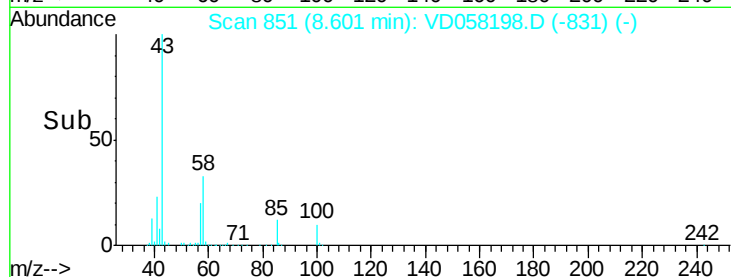
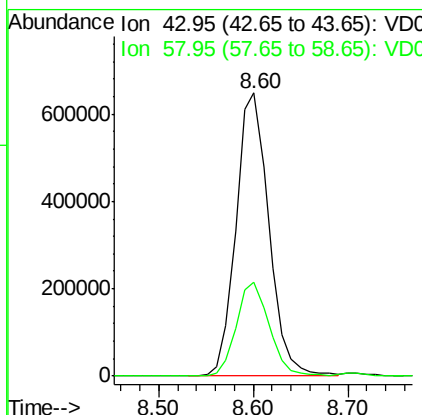
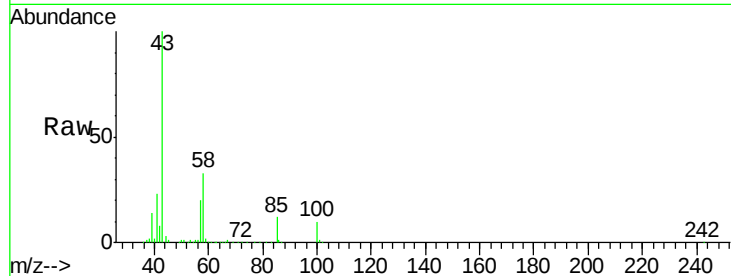




#51
4-Methyl-2-Pentanone
Concen: 259.951 ug/l
RT: 8.60 min Scan# 851
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

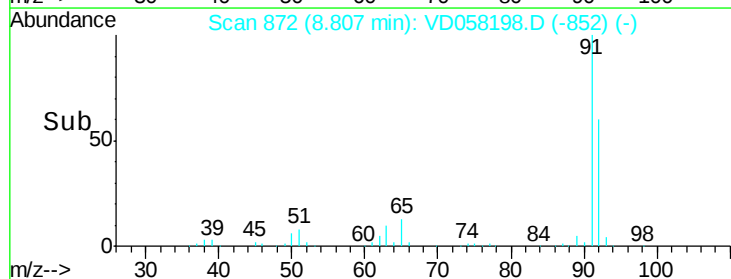
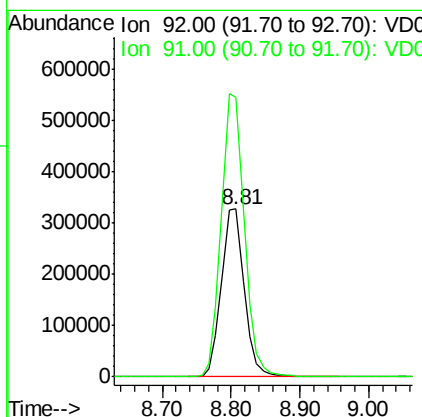
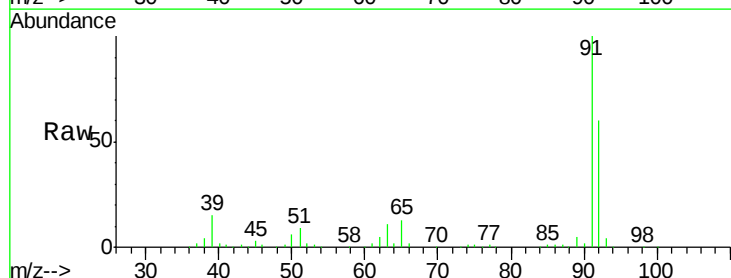
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

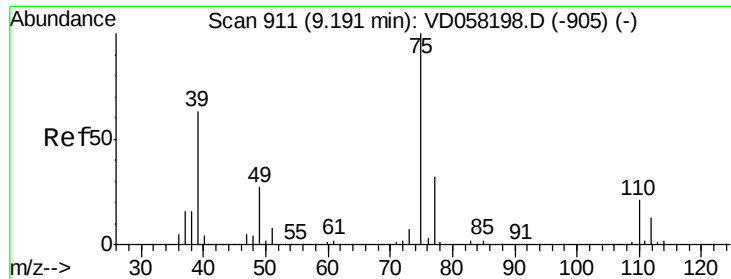
Tgt Ion: 43 Resp: 1555081
Ion Ratio Lower Upper
43 100
58 33.4 26.7 40.1



#52
Toluene
Concen: 44.410 ug/l
RT: 8.81 min Scan# 872
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 92 Resp: 759779
Ion Ratio Lower Upper
92 100
91 166.5 133.2 199.8

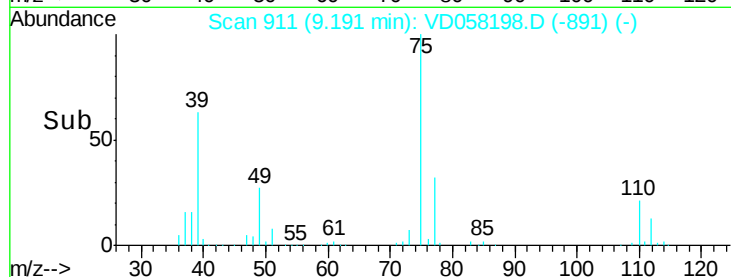
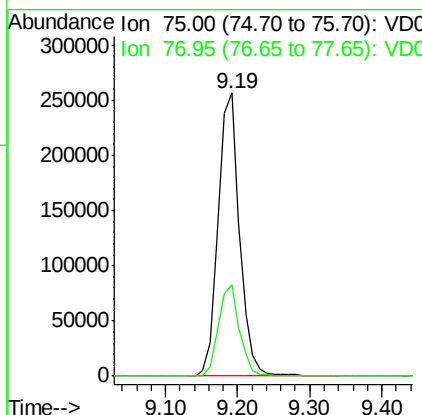
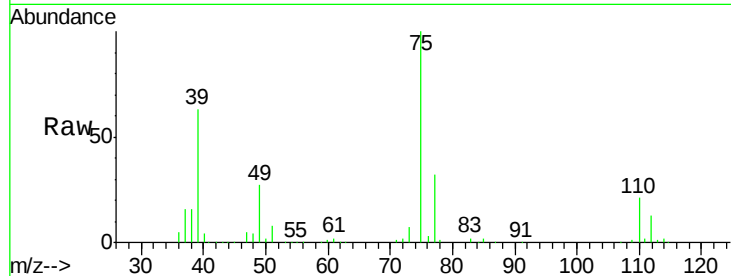




#53
 t-1,3-Dichloropropene
 Concen: 48.170 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

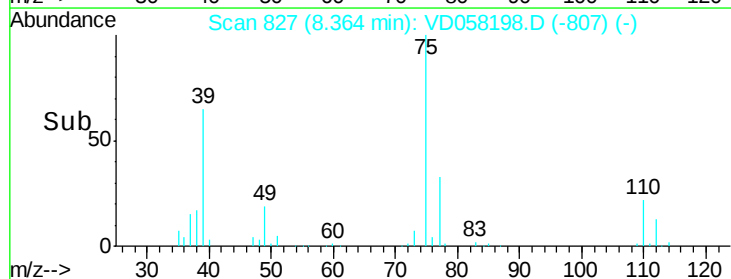
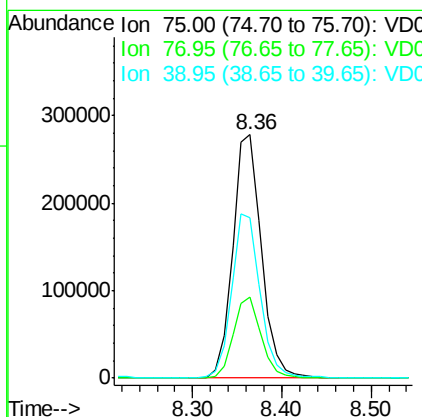
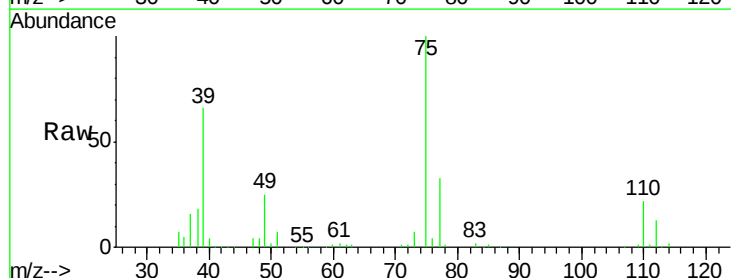
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

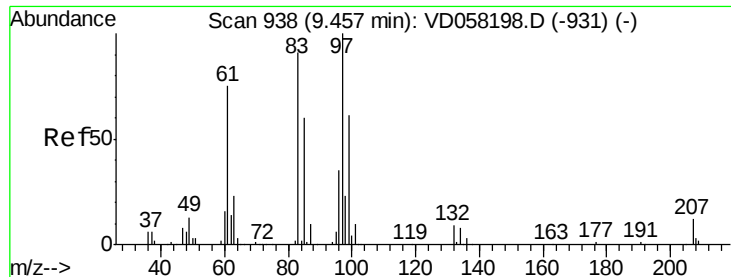
Tgt Ion: 75 Resp: 521346
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 49.107 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 75 Resp: 624403
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.5 39.7
 39 66.1 52.9 79.3

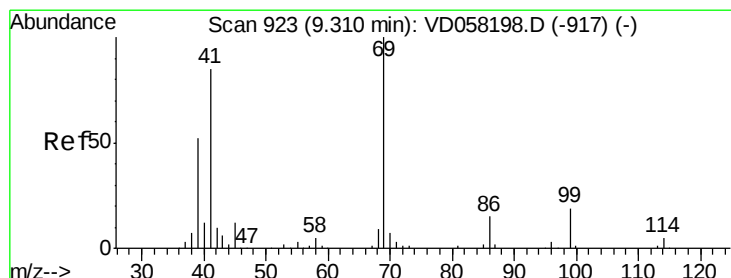
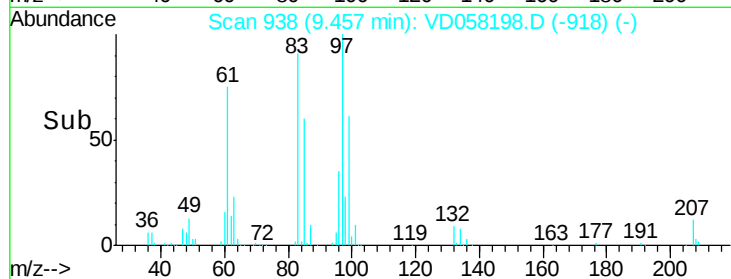
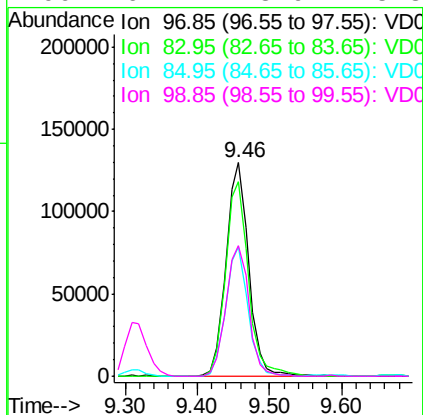
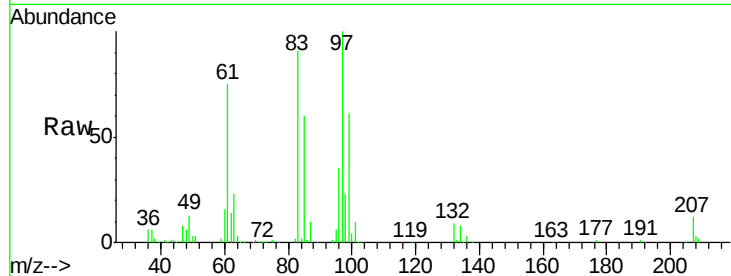




#55
 1,1,2-Trichloroethane
 Concen: 50.062 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

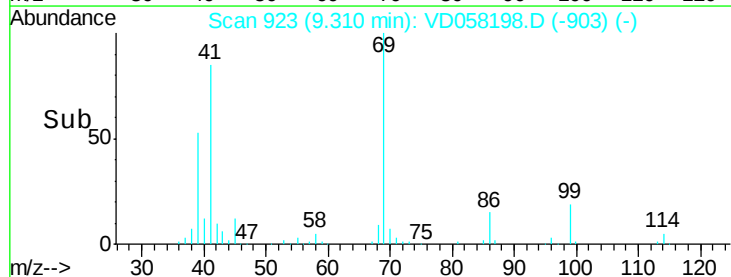
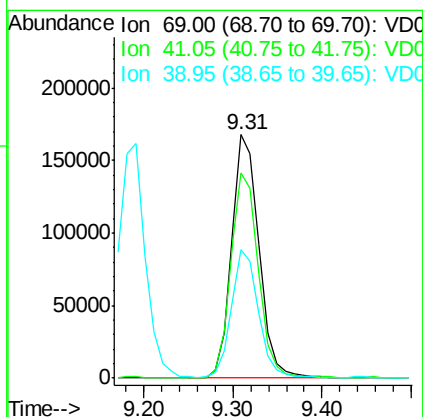
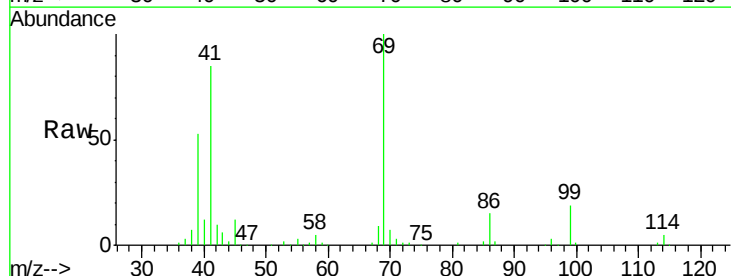
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

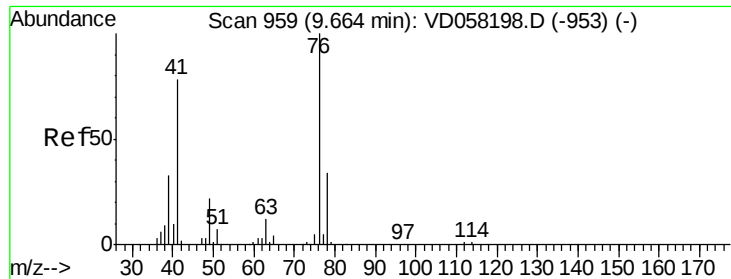
Tgt Ion: 97 Resp: 282440
 Ion Ratio Lower Upper
 97 100
 83 91.1 72.9 109.3
 85 60.3 48.2 72.4
 99 61.1 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 52.083 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 69 Resp: 360955
 Ion Ratio Lower Upper
 69 100
 41 84.5 67.6 101.4
 39 52.7 42.2 63.2





#57

1,3-Dichloropropane

Concen: 47.886 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

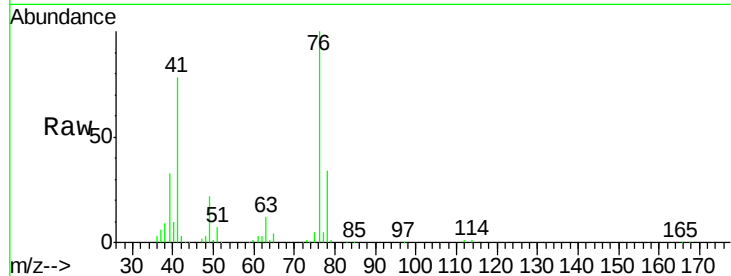
VSTDICCC050

Tgt Ion: 76 Resp: 468491

Ion Ratio Lower Upper

76 100

78 33.8 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

200000

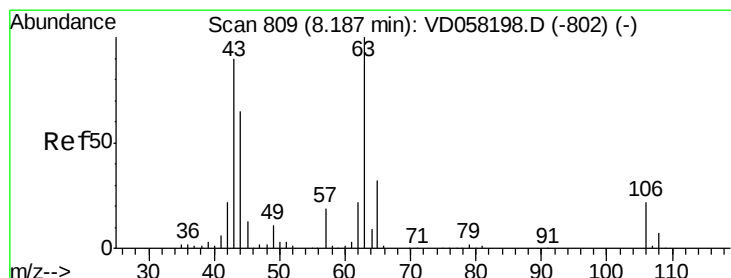
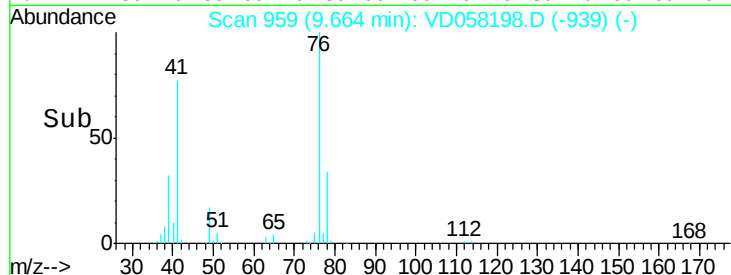
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 253.900 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058198.D

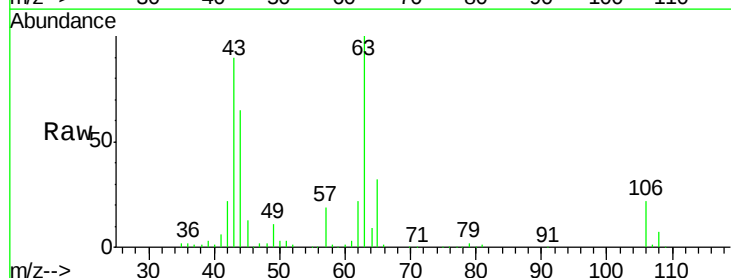
Acq: 19 Jun 2018 16:59

Tgt Ion: 63 Resp: 892363

Ion Ratio Lower Upper

63 100

106 22.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

400000

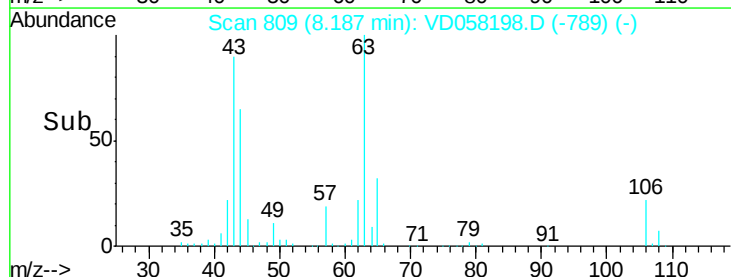
300000

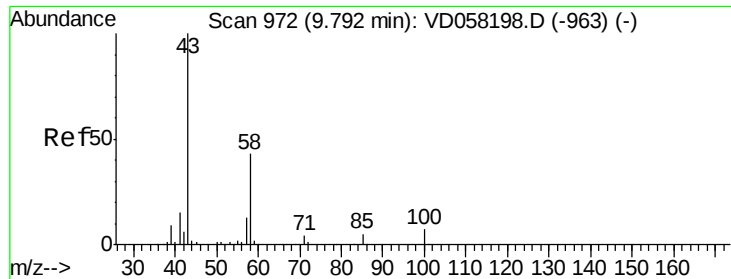
200000

100000

0

Time-->

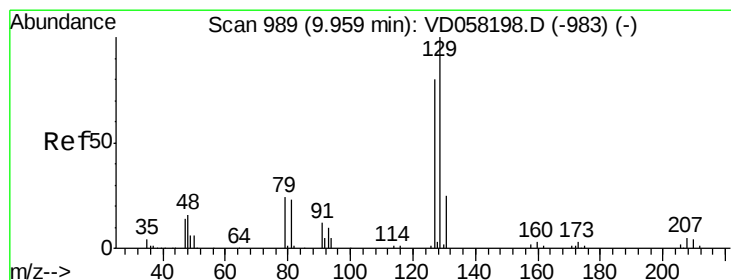
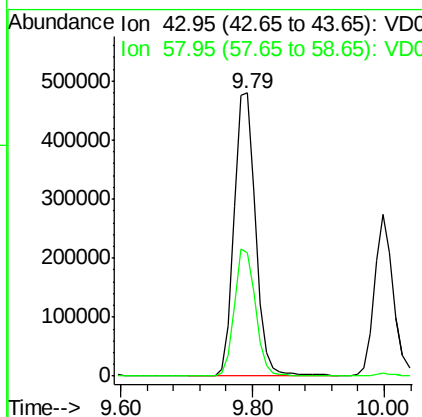
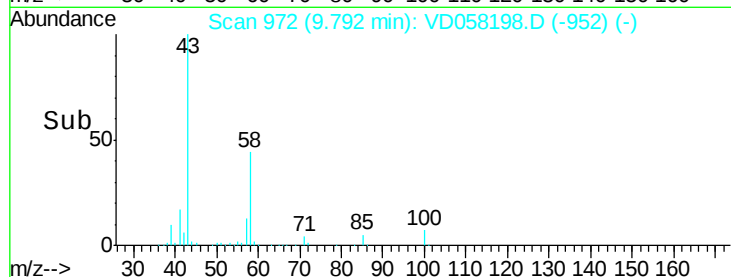
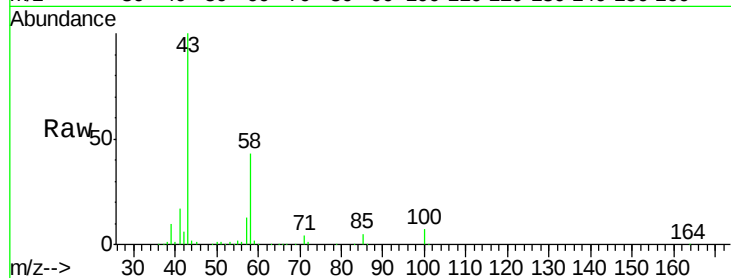




#59
2-Hexanone
Concen: 252.718 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

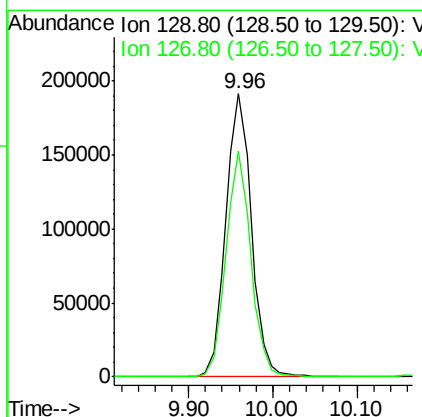
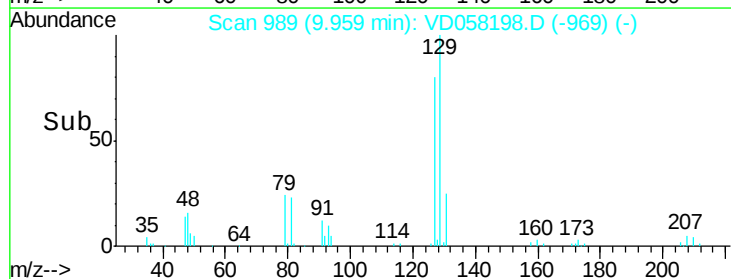
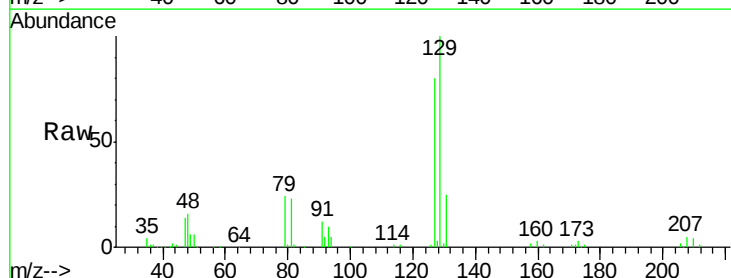
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1102316
Ion Ratio Lower Upper
43 100
58 43.4 21.7 65.1



#60
Dibromochloromethane
Concen: 51.118 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 129 Resp: 404248
Ion Ratio Lower Upper
129 100
127 79.6 39.8 119.4





#61

1,2-Dibromoethane

Concen: 50.126 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

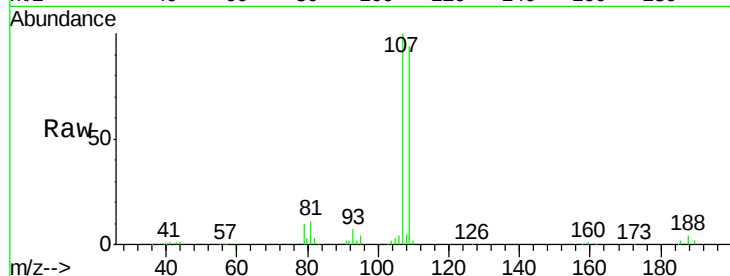
VSTDICCC050

Tgt Ion: 107 Resp: 324555

Ion Ratio Lower Upper

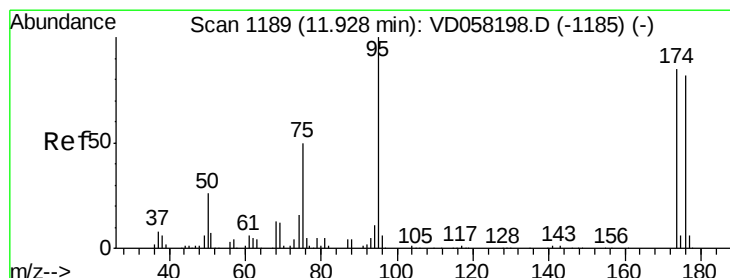
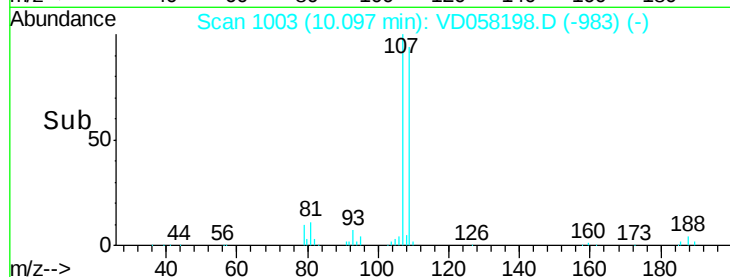
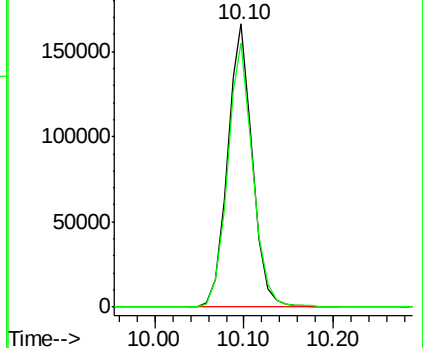
107 100

109 93.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.126 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

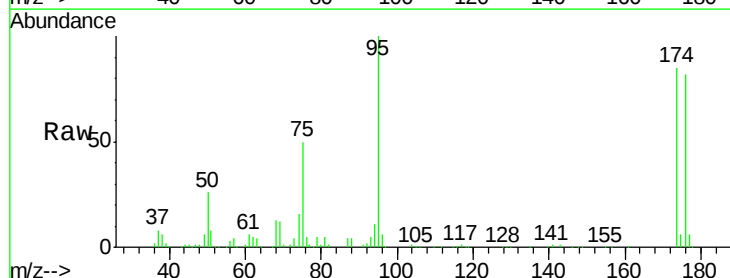
Tgt Ion: 95 Resp: 494293

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.2

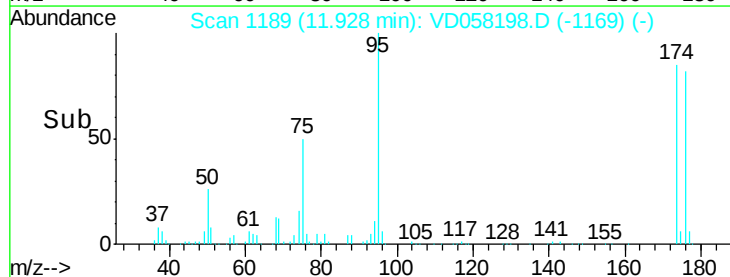
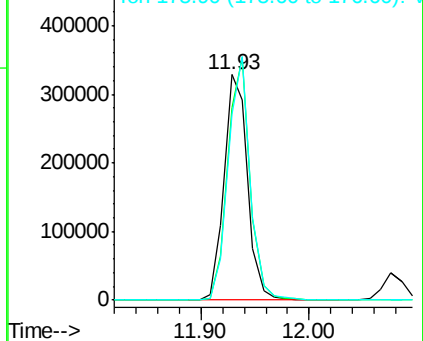
176 82.3 0.0 164.6

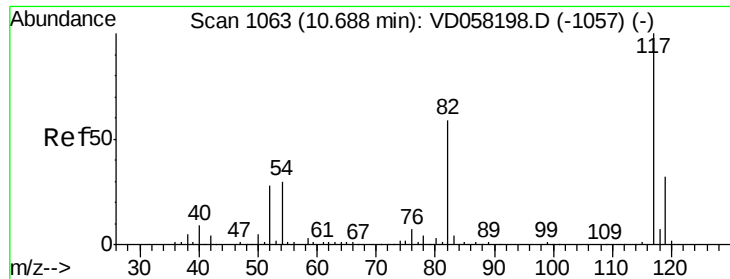


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

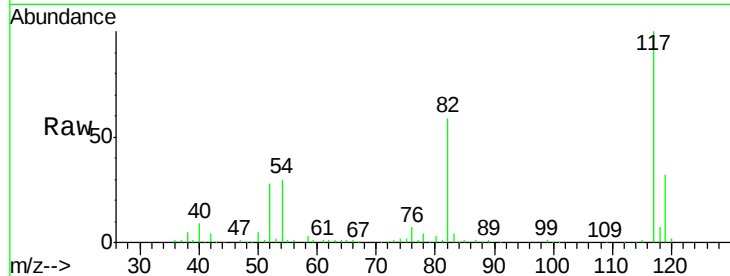




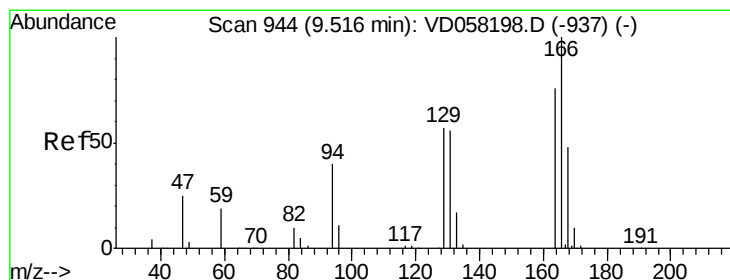
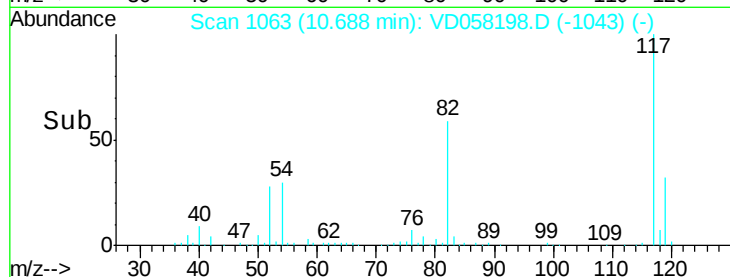
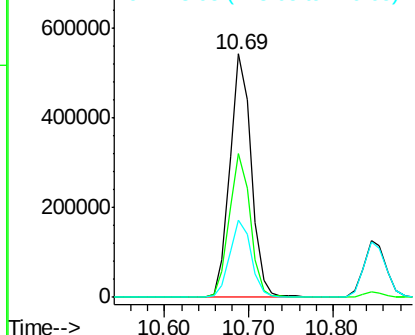
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 957859
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.6
119 31.6 25.3 37.9

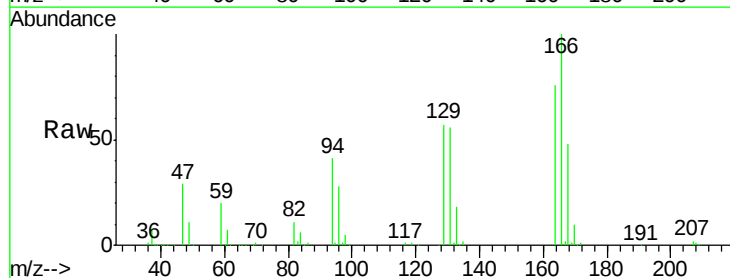


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

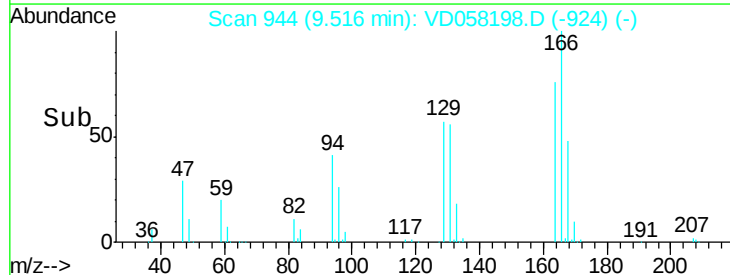
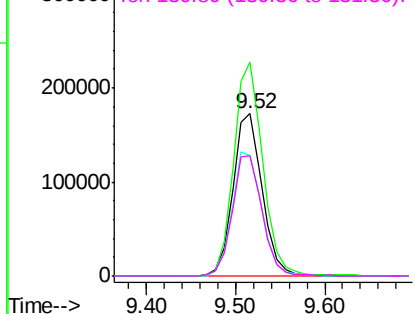


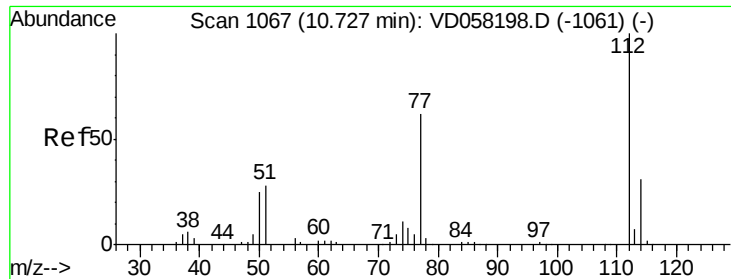
#64
Tetrachloroethene
Concen: 46.672 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion:164 Resp: 394641
Ion Ratio Lower Upper
164 100
166 131.7 105.4 158.0
129 74.5 59.6 89.4
131 74.3 59.4 89.2



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





#65

Chlorobenzene

Concen: 44.990 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

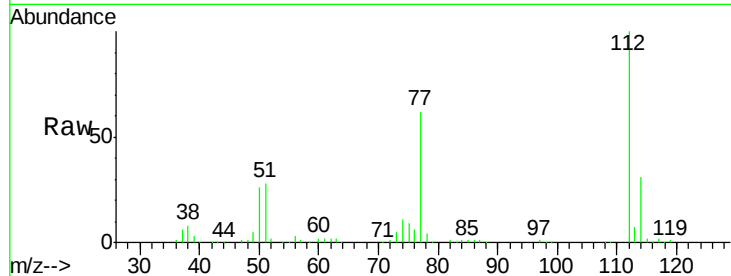
VSTDICCC050

Tgt Ion:112 Resp: 856266

Ion Ratio Lower Upper

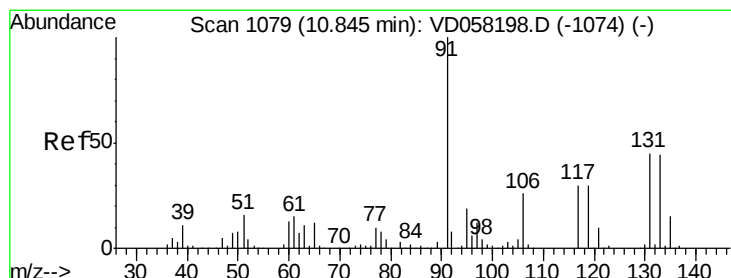
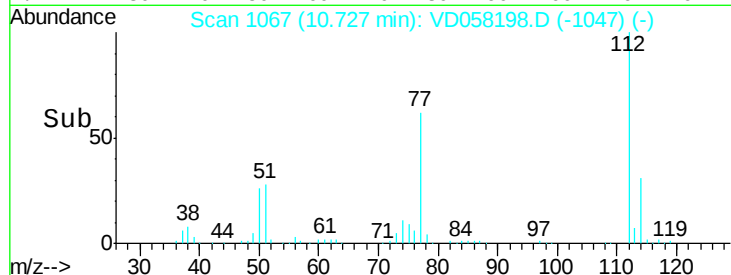
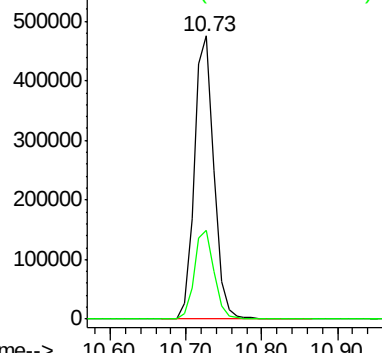
112 100

114 31.2 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.614 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

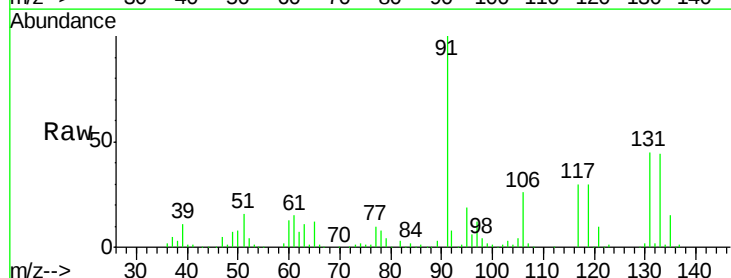
Tgt Ion:131 Resp: 348797

Ion Ratio Lower Upper

131 100

133 97.3 48.6 145.9

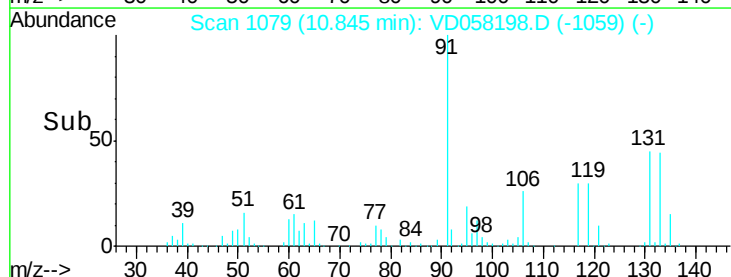
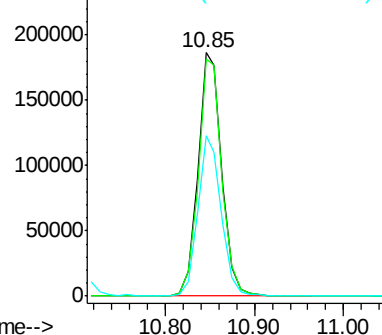
119 66.0 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

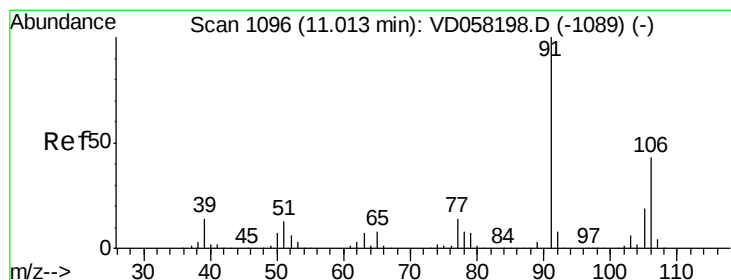
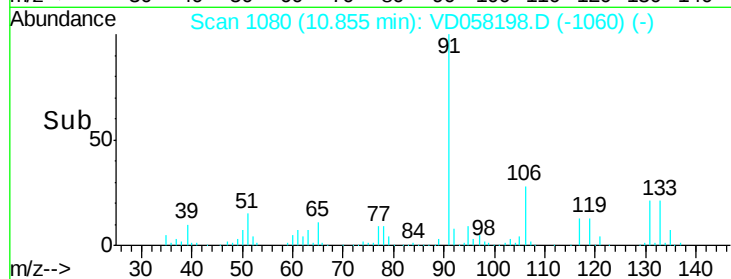
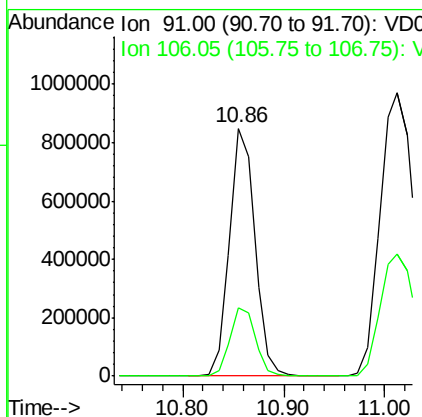
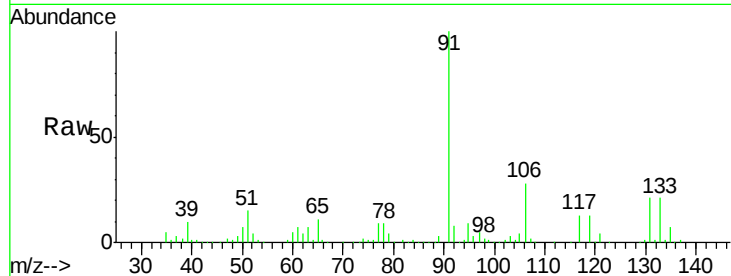




#67
Ethyl Benzene
Concen: 43.707 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

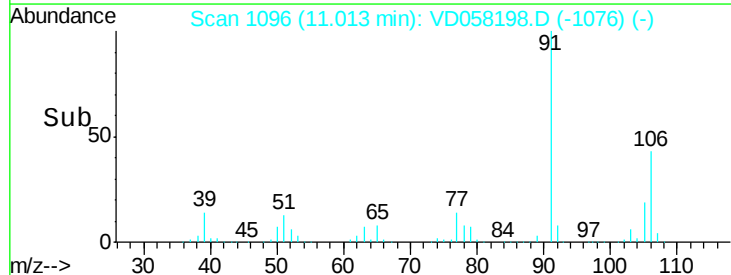
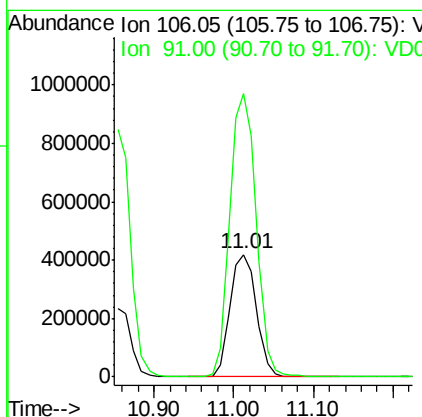
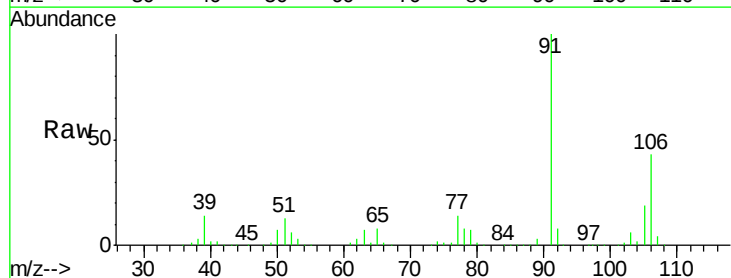
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

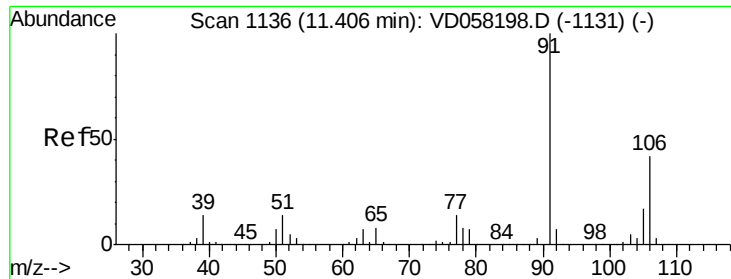
Tgt Ion: 91 Resp: 1495732
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0



#68
m/p-Xylenes
Concen: 86.707 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 106 Resp: 972925
Ion Ratio Lower Upper
106 100
91 231.3 185.0 277.6

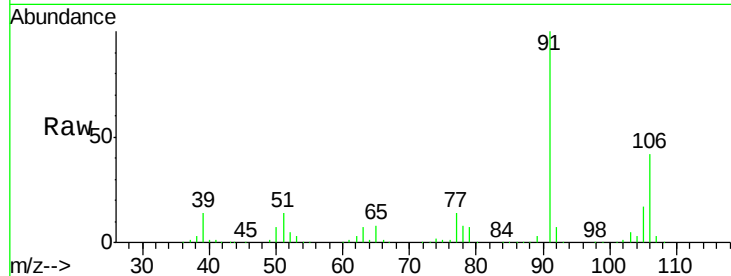




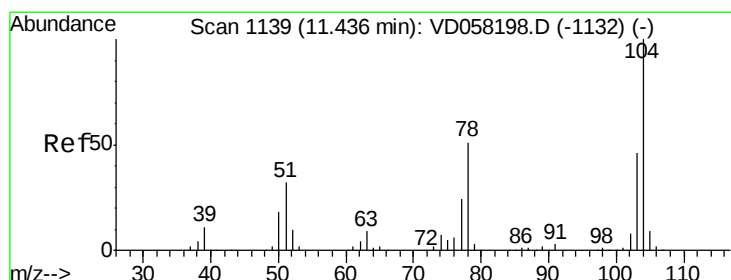
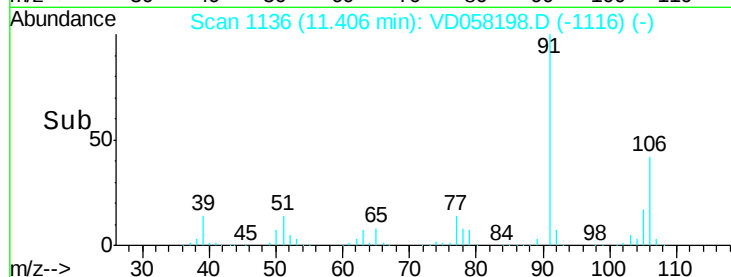
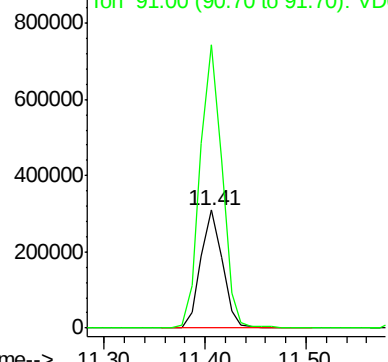
#69
o-Xylene
Concen: 42.535 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 468735
Ion Ratio Lower Upper
106 100
91 240.4 120.2 360.6

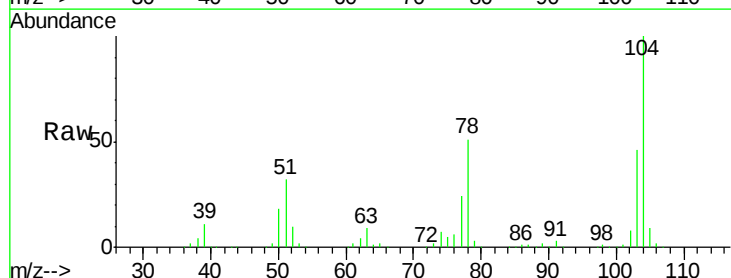


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

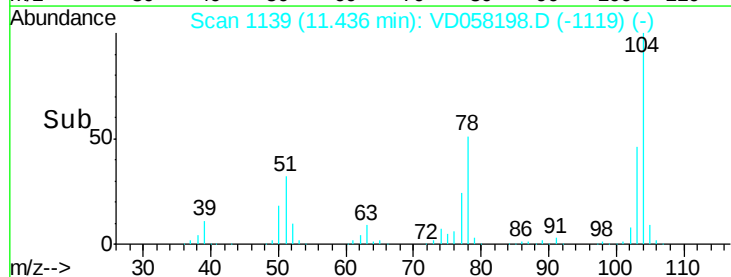
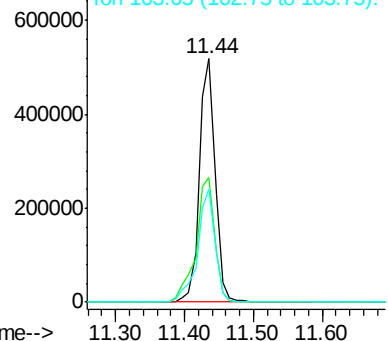


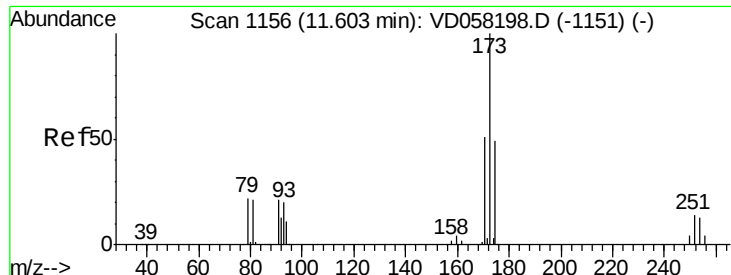
#70
Styrene
Concen: 44.559 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion:104 Resp: 817740
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 46.3 37.0 55.6



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

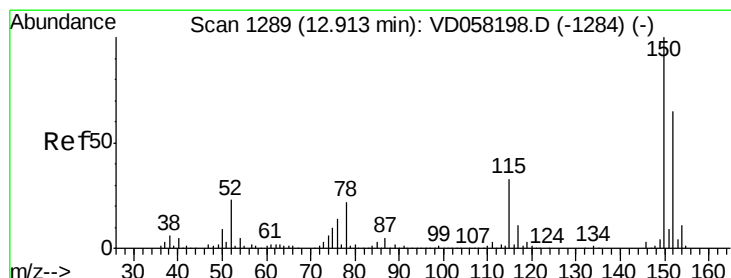
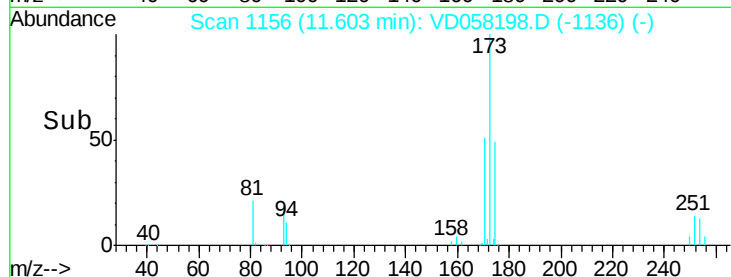
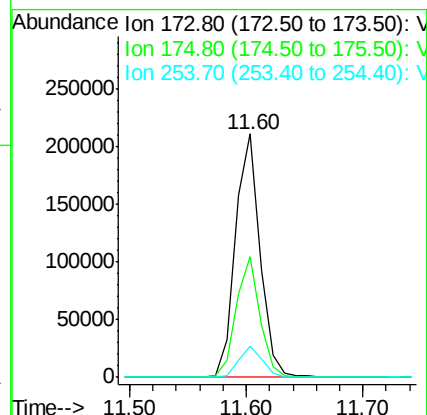
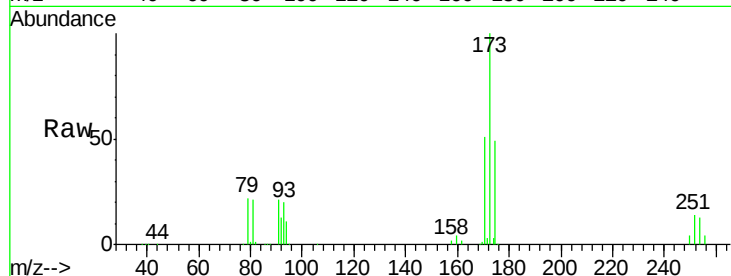




#71
Bromoform
Concen: 54.939 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

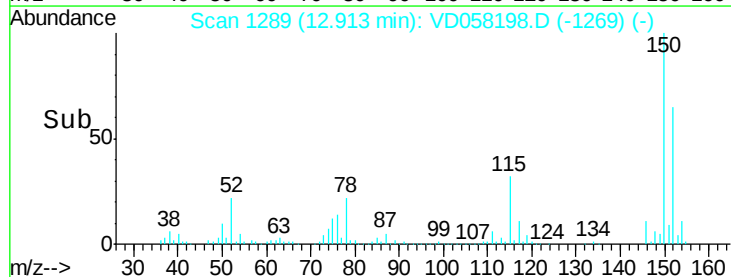
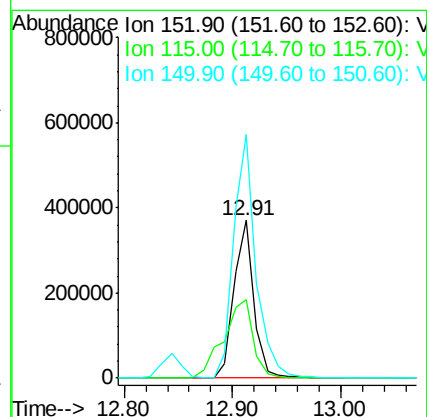
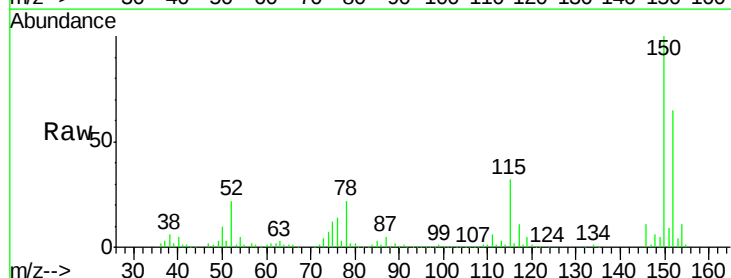
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

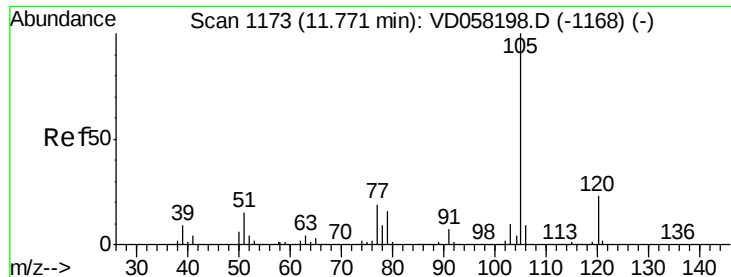
Tgt Ion:173 Resp: 308660
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 12.9 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion:152 Resp: 476936
Ion Ratio Lower Upper
152 100
115 50.2 25.1 75.3
150 154.4 0.0 308.8





#73

Isopropylbenzene

Concen: 44.861 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

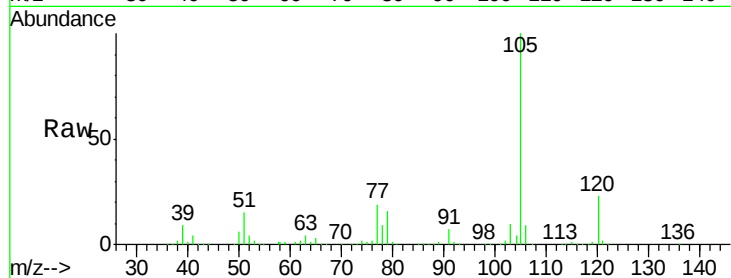
VSTDICCC050

Tgt Ion: 105 Resp: 1389199

Ion Ratio Lower Upper

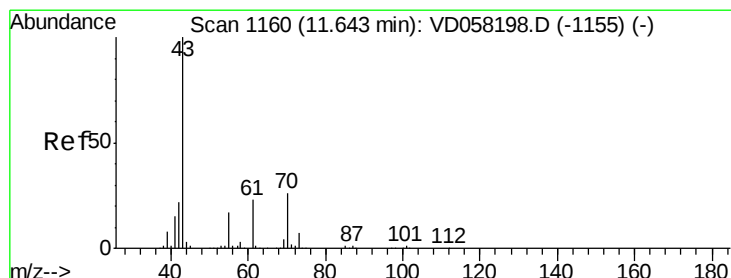
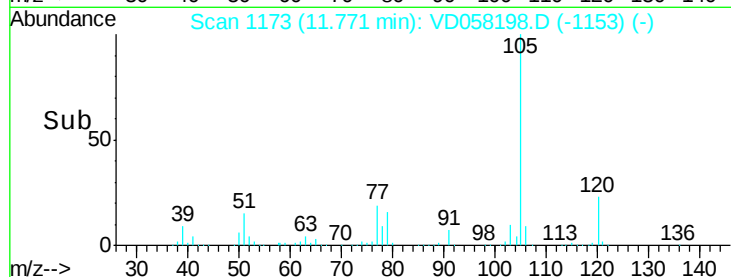
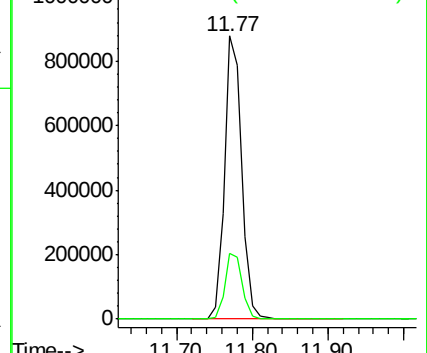
105 100

120 23.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.889 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Tgt Ion: 43 Resp: 617496

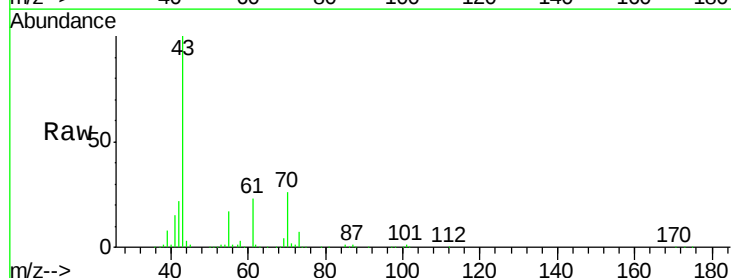
Ion Ratio Lower Upper

43 100

70 26.1 20.9 31.3

55 16.9 13.5 20.3

61 22.7 18.2 27.2

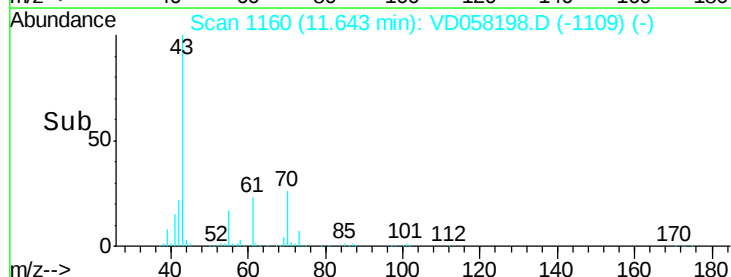
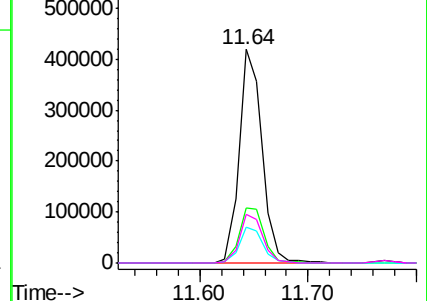


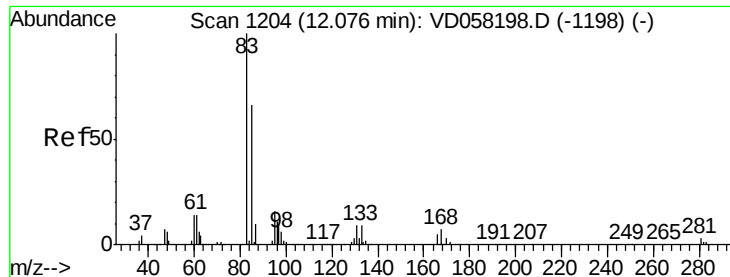
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.256 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

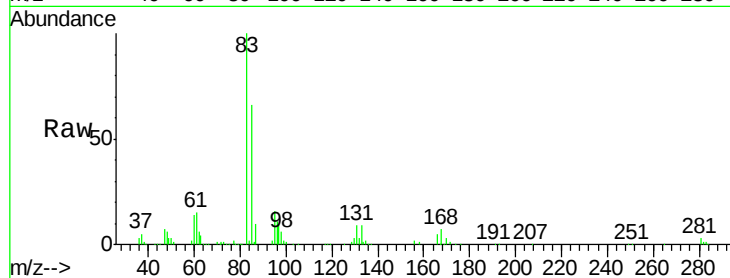
MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 354610

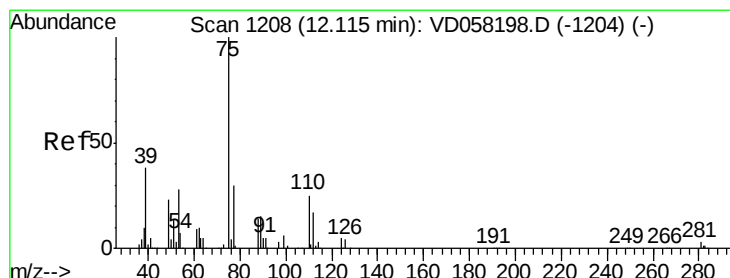
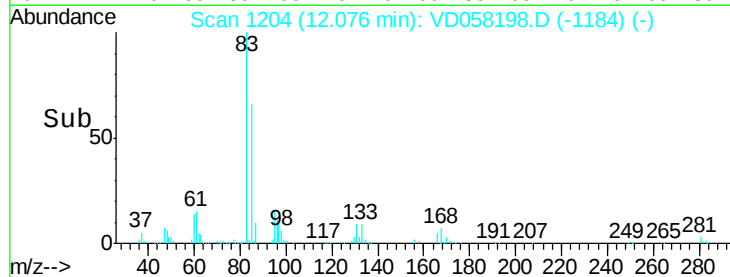
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	66.3	33.1	99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.985 ug/l

RT: 12.12 min Scan# 1208

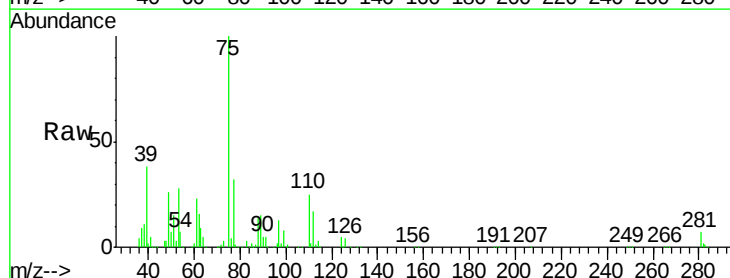
Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

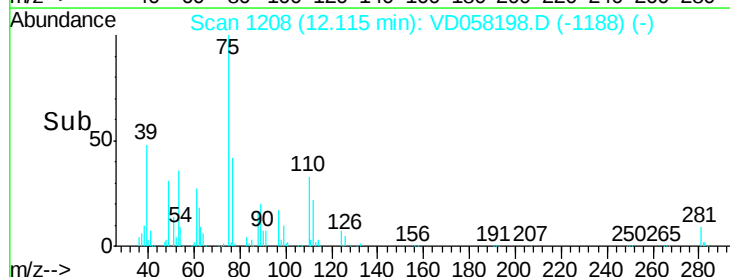
Tgt Ion: 75 Resp: 374279

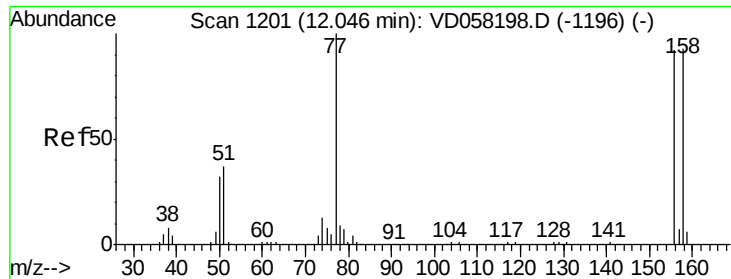
Ion	Ratio	Lower	Upper
75	100		
77	31.9	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

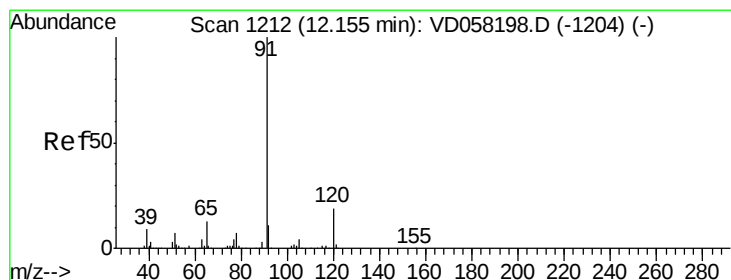
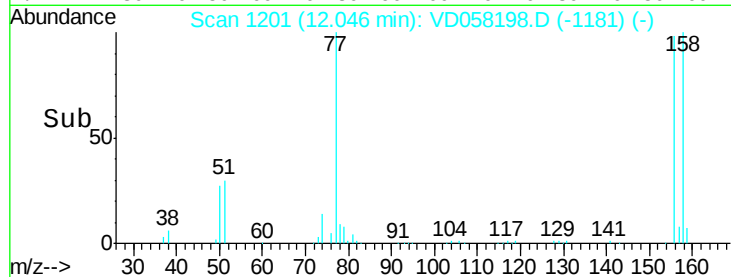
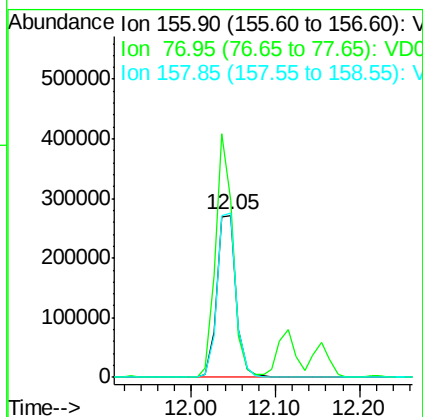
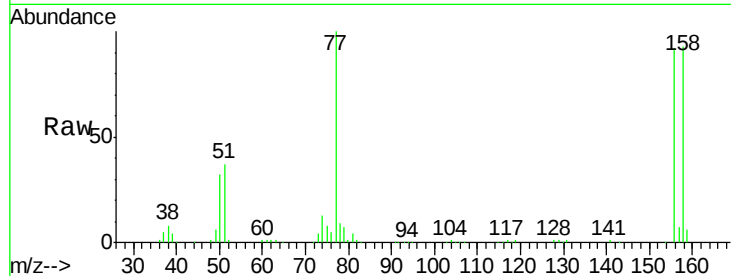




#77
Bromobenzene
Concen: 46.590 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

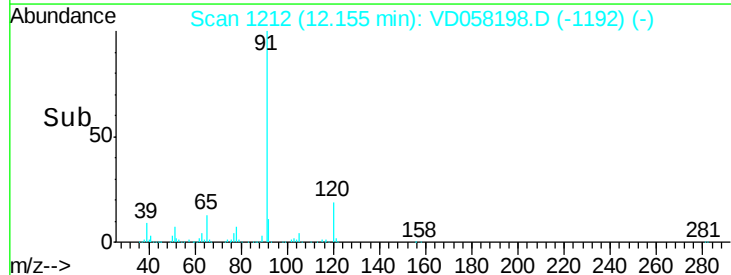
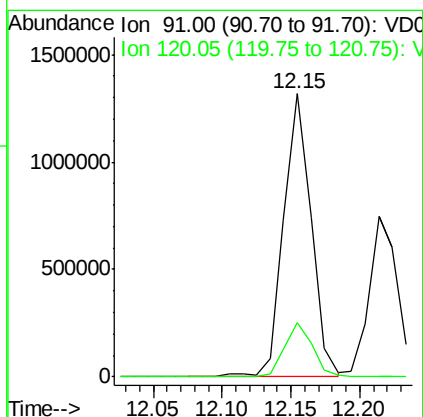
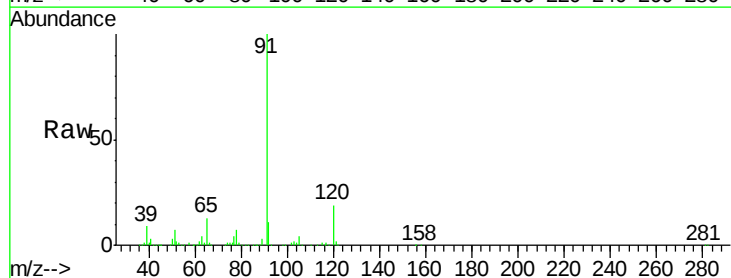
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 428471
Ion Ratio Lower Upper
156 100
77 109.1 54.5 163.6
158 101.7 50.8 152.5



#78
n-propylbenzene
Concen: 44.778 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 91 Resp: 1814039
Ion Ratio Lower Upper
91 100
120 19.4 9.7 29.1

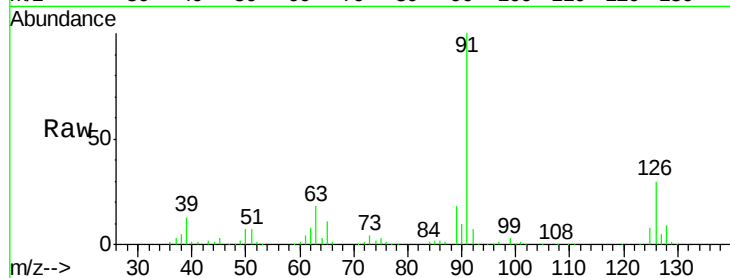




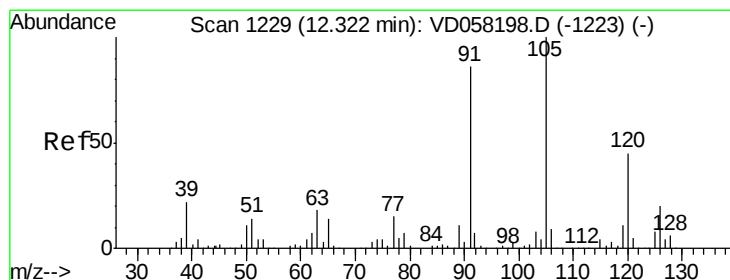
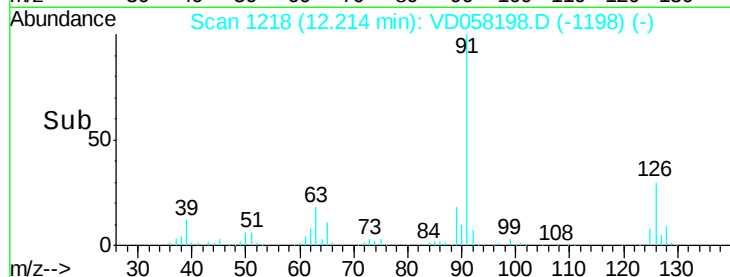
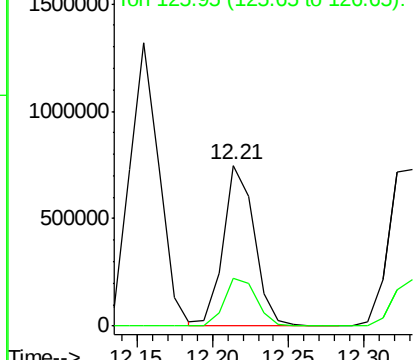
#79
2-Chlorotoluene
Concen: 45.953 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1060642
Ion Ratio Lower Upper
91 100
126 29.7 14.9 44.5

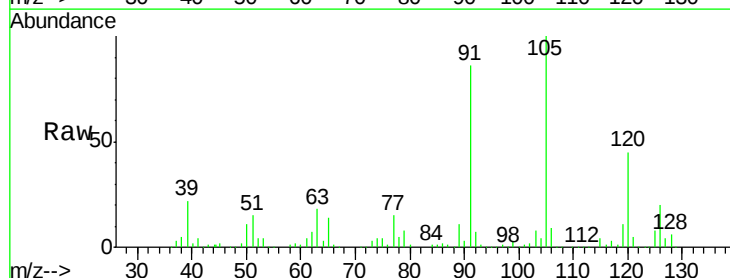


Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1215) (-)
Ion 125.95 (125.65 to 126.65): VD058198.D (-1215) (-)

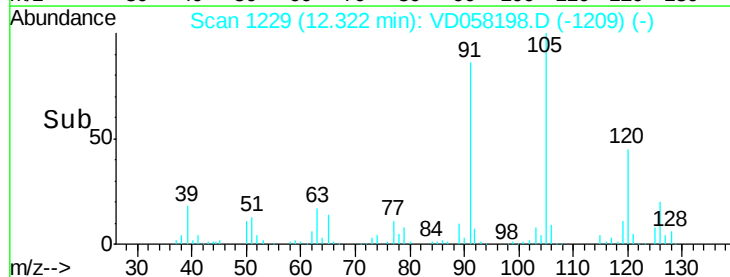
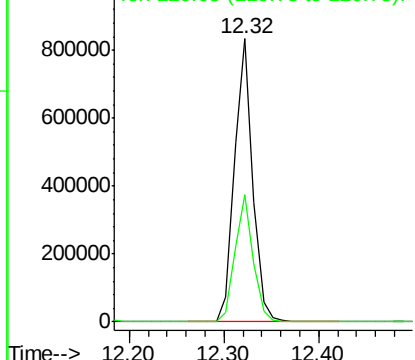


#80
1,3,5-Trimethylbenzene
Concen: 45.259 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 105 Resp: 1103065
Ion Ratio Lower Upper
105 100
120 45.0 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): VD058198.D (-1223) (-)
Ion 120.05 (119.75 to 120.75): VD058198.D (-1223) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.236 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

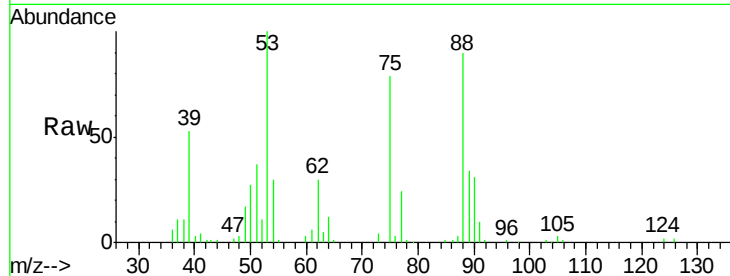
Tgt Ion: 75 Resp: 101491

Ion Ratio Lower Upper

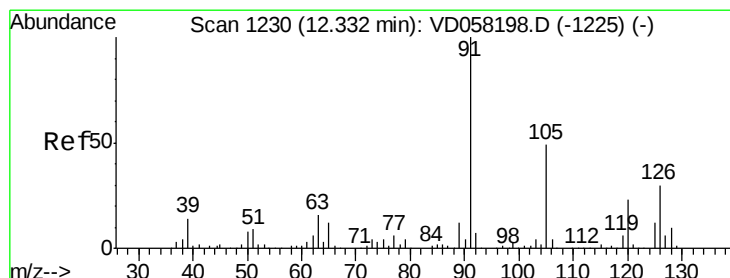
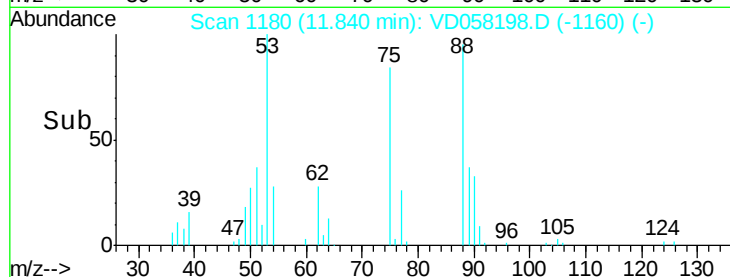
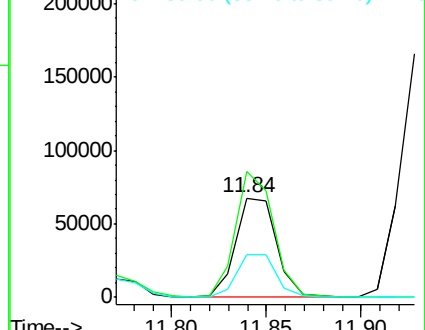
75 100

53 126.0 100.8 151.2

89 43.3 34.6 52.0



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



#82

4-Chlorotoluene

Concen: 45.476 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058198.D

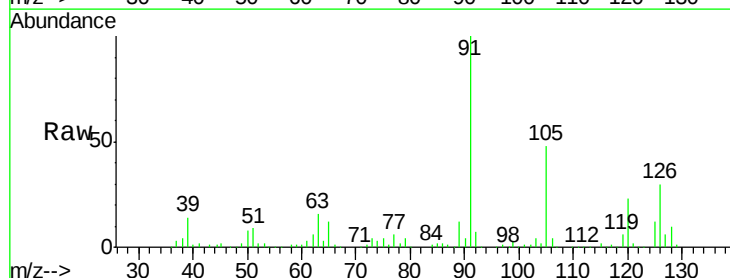
Acq: 19 Jun 2018 16:59

Tgt Ion: 91 Resp: 1158239

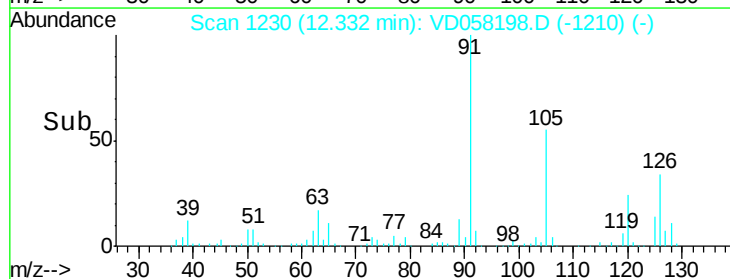
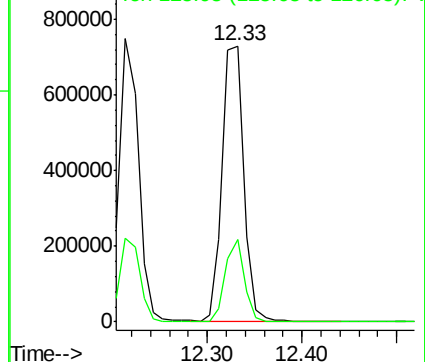
Ion Ratio Lower Upper

91 100

126 29.9 14.9 44.9



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

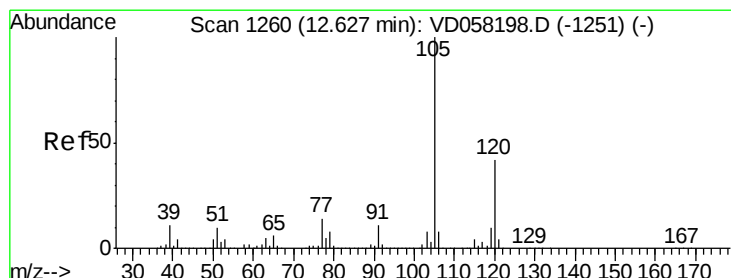
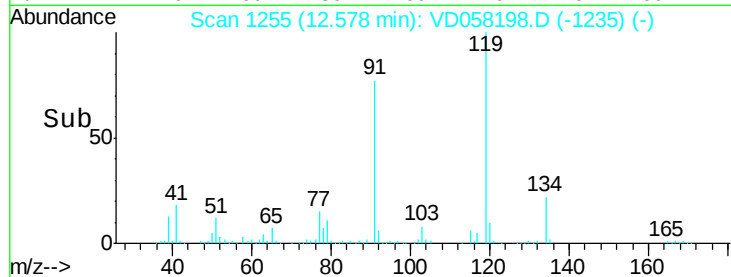
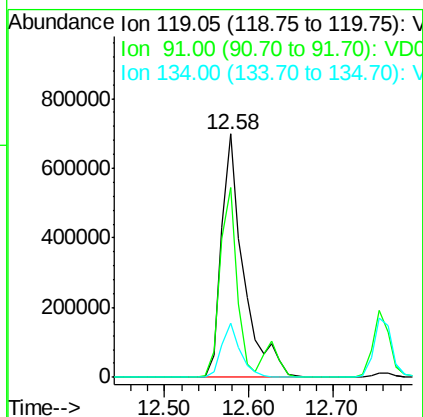
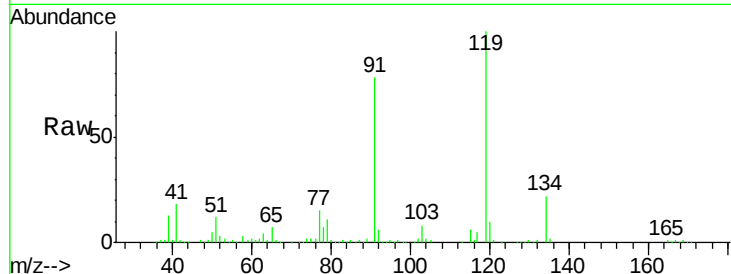




#83
 tert-Butylbenzene
 Concen: 46.673 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

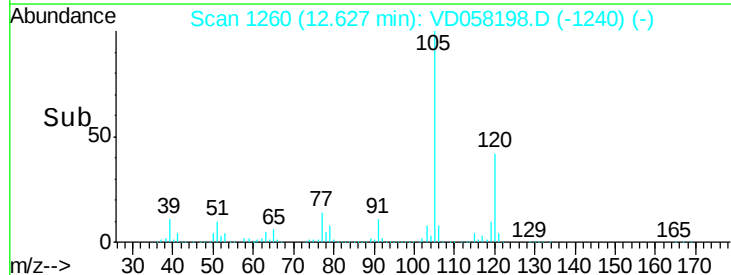
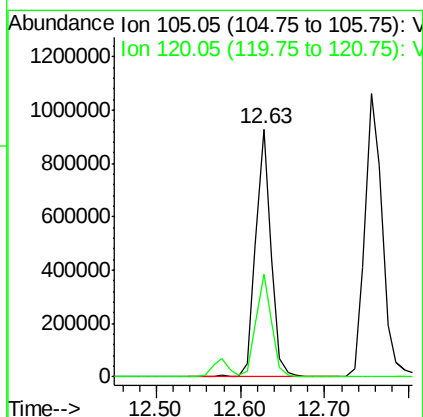
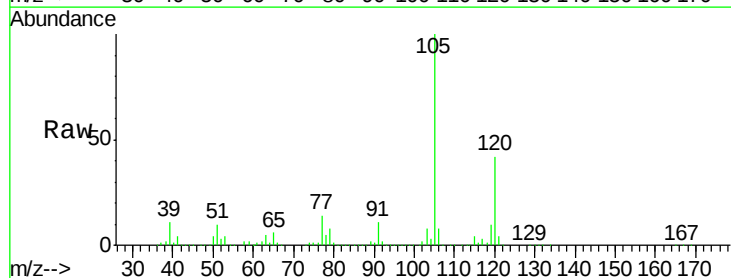
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

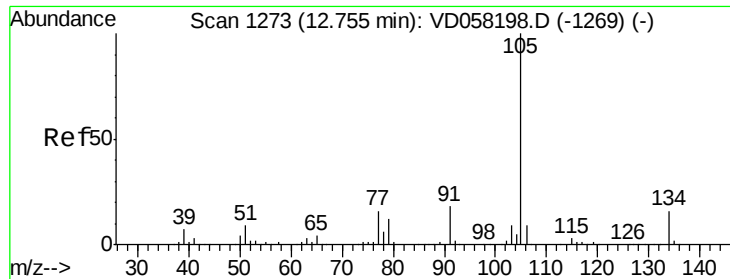
Tgt Ion:119 Resp: 1279500
 Ion Ratio Lower Upper
 119 100
 91 77.7 38.9 116.6
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 46.077 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion:105 Resp: 1199547
 Ion Ratio Lower Upper
 105 100
 120 41.6 20.8 62.4

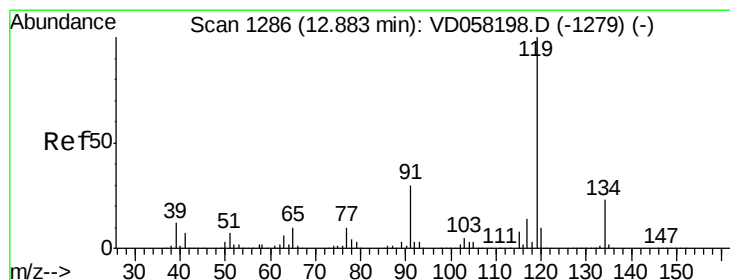
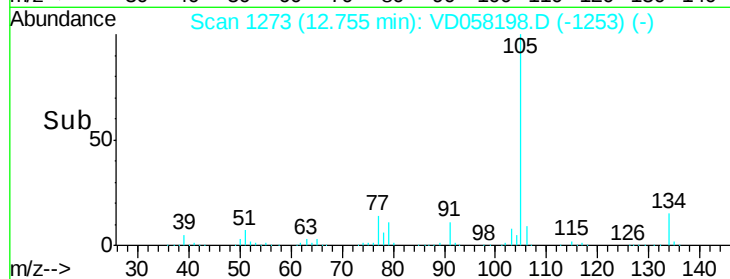
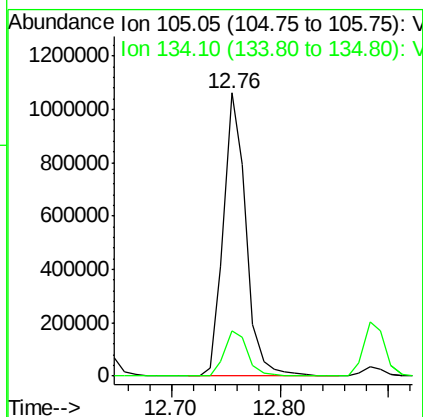
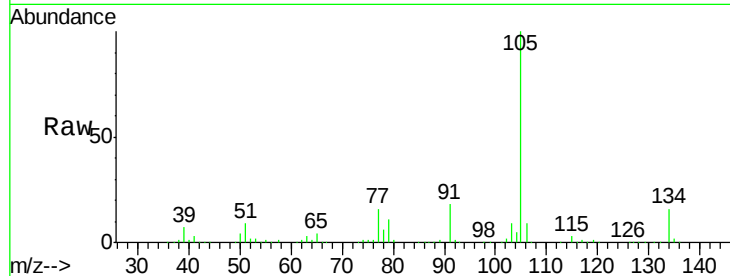




#85
 sec-Butylbenzene
 Concen: 46.180 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

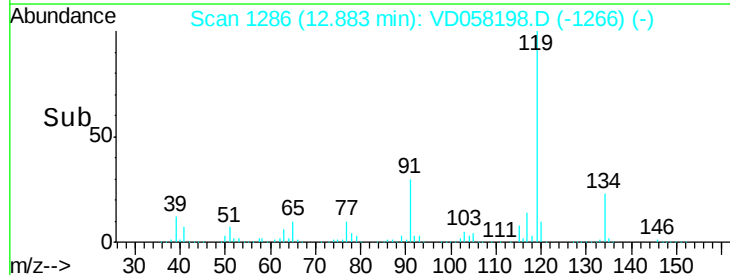
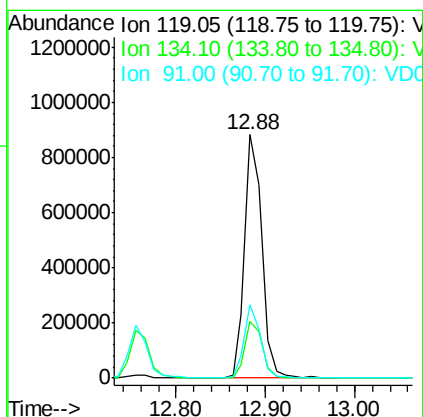
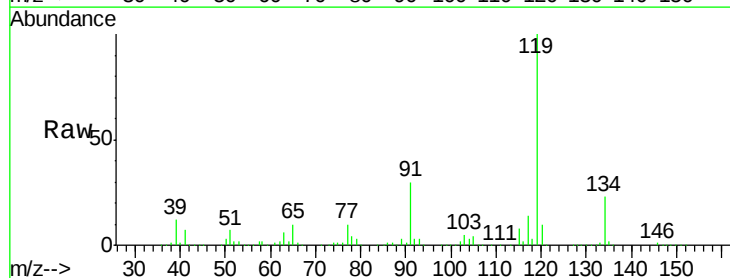
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

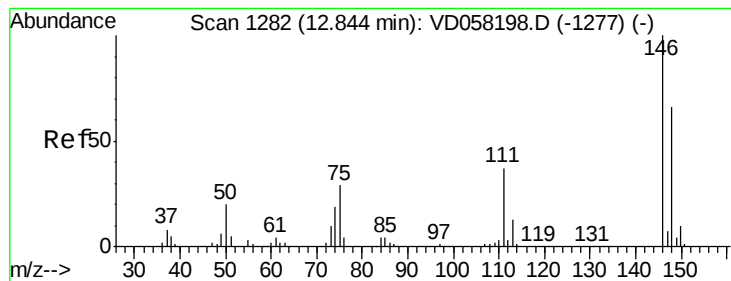
Tgt Ion:105 Resp: 1529454
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 44.816 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion:119 Resp: 1188335
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.6 34.8
 91 30.1 15.0 45.1





#87

1,3-Dichlorobenzene

Concen: 46.818 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

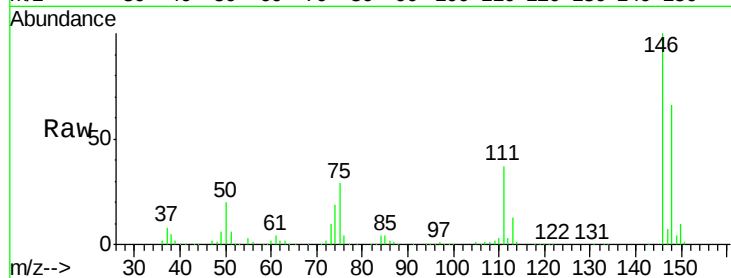
Tgt Ion:146 Resp: 732294

Ion Ratio Lower Upper

146 100

111 36.7 18.4 55.0

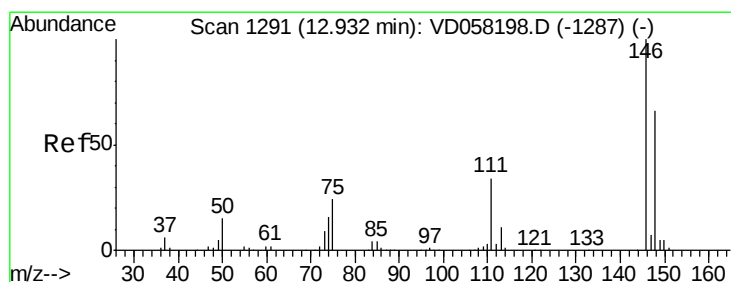
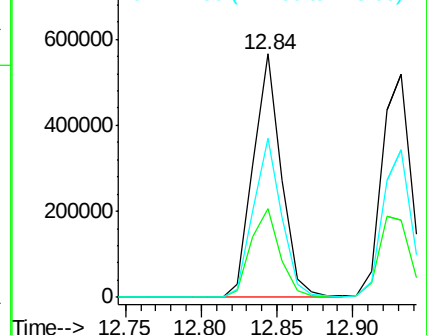
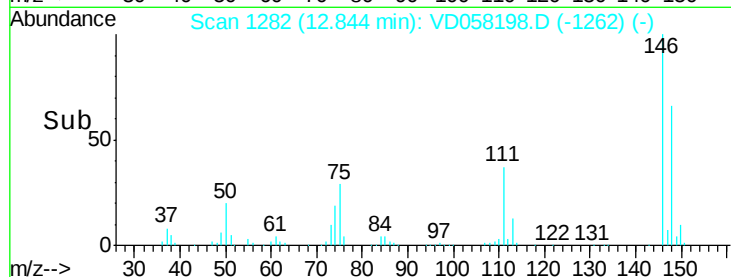
148 65.6 32.8 98.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.856 ug/l

RT: 12.93 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD058198.D

Acq: 19 Jun 2018 16:59

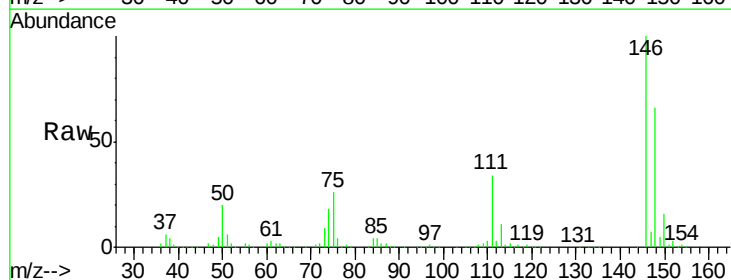
Tgt Ion:146 Resp: 717958

Ion Ratio Lower Upper

146 100

111 34.3 17.2 51.5

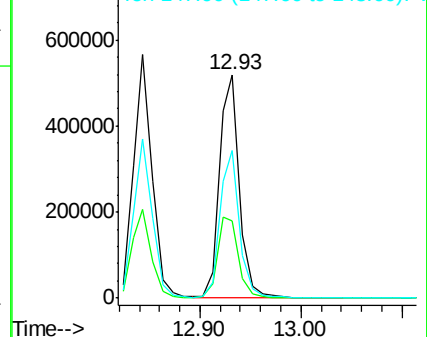
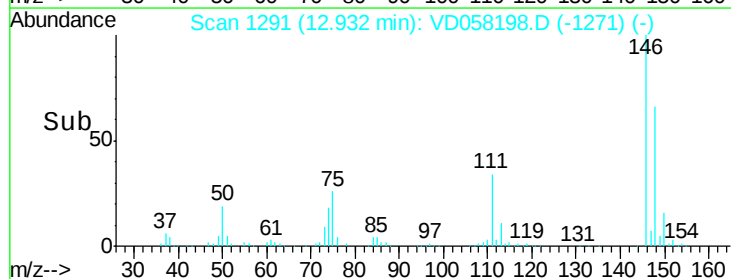
148 66.2 33.1 99.3

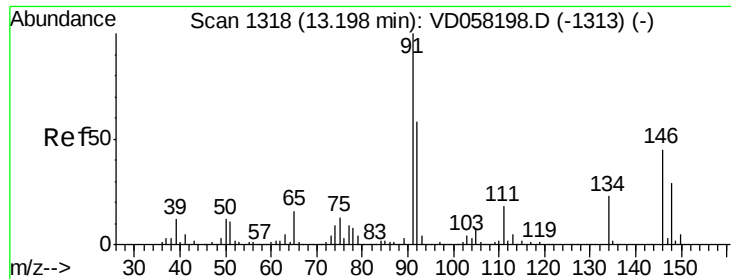


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

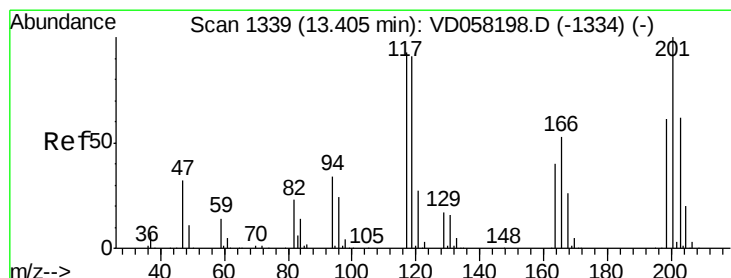
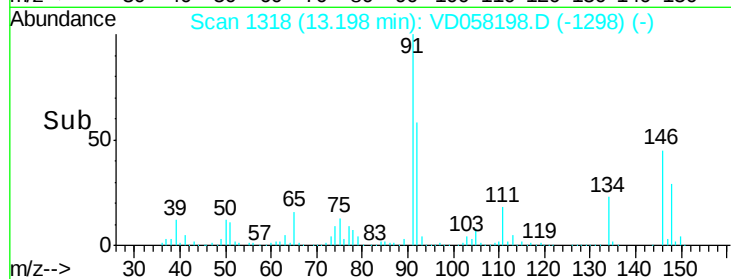
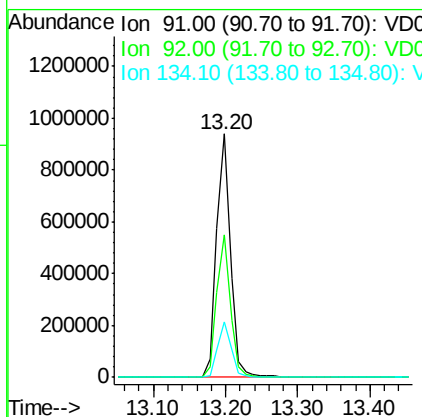
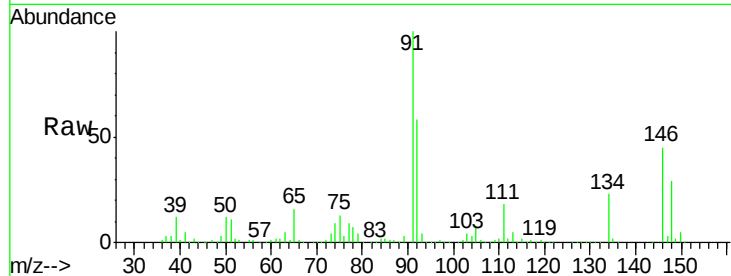




#89
n-Butylbenzene
Concen: 44.675 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

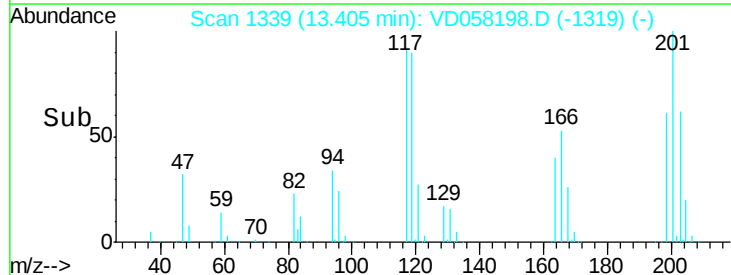
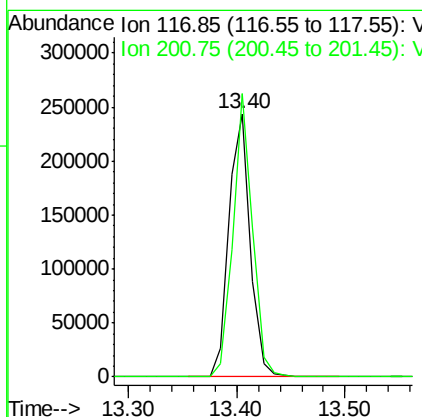
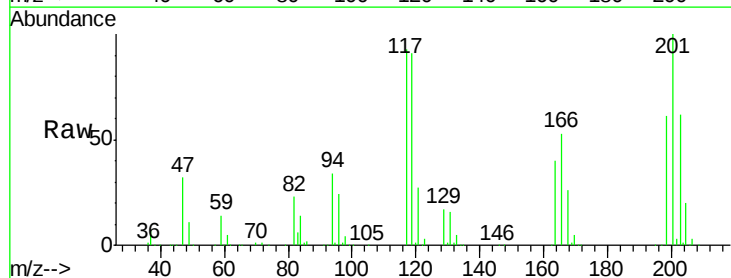
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

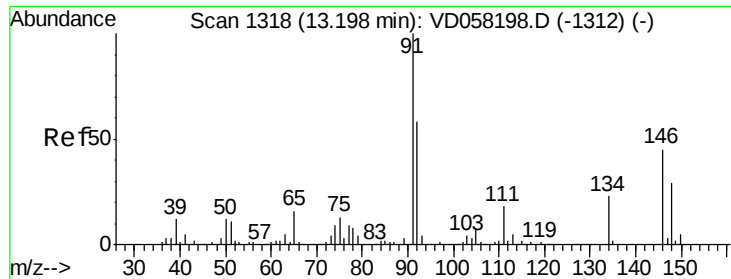
Tgt Ion: 91 Resp: 1232891
Ion Ratio Lower Upper
91 100
92 58.4 29.2 87.6
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 49.151 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion: 117 Resp: 334579
Ion Ratio Lower Upper
117 100
201 107.6 53.8 161.4

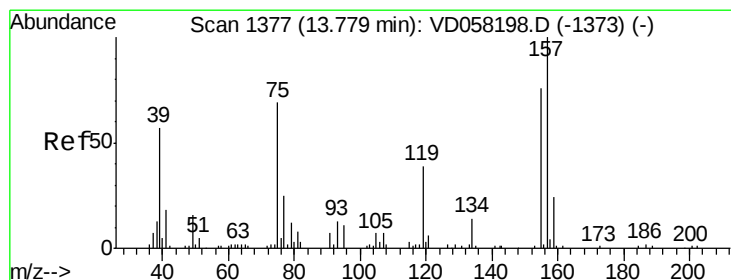
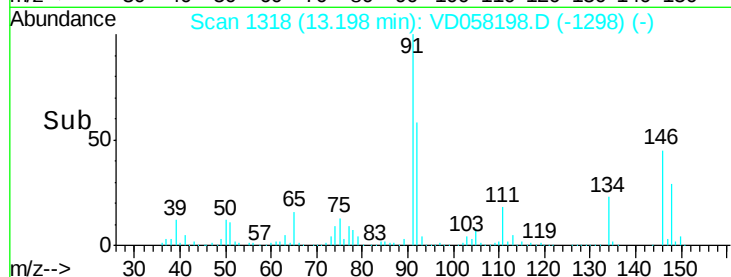
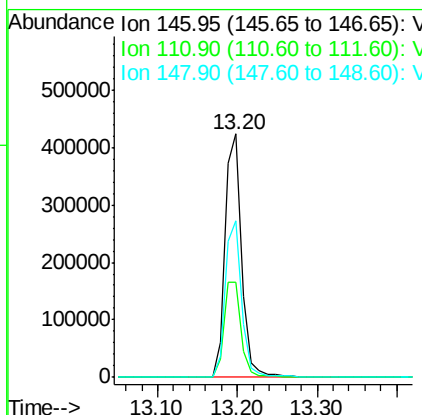
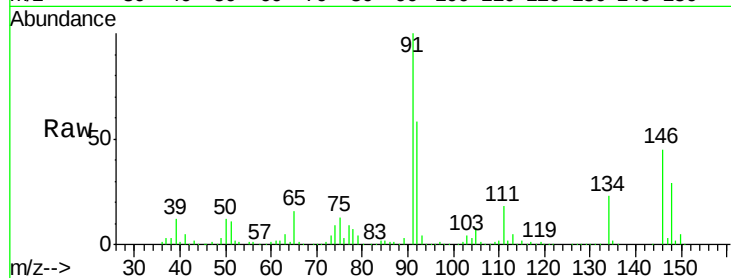




#91
 1,2-Dichlorobenzene
 Concen: 48.191 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

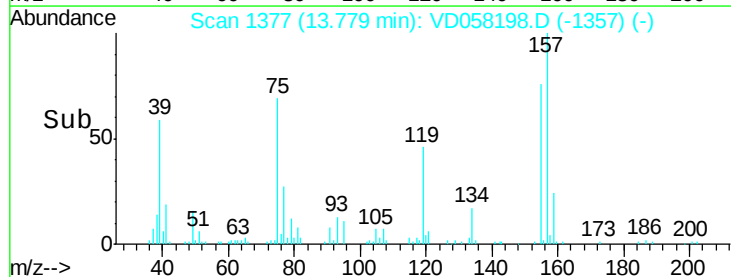
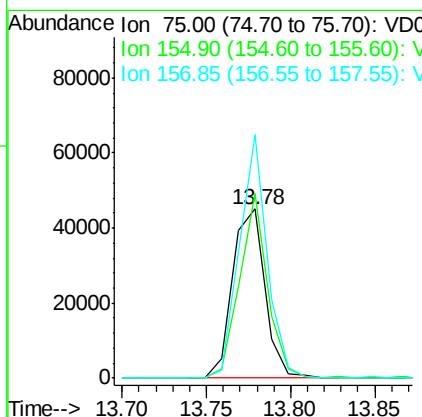
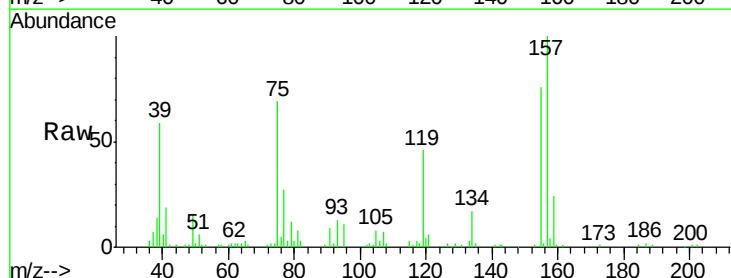
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

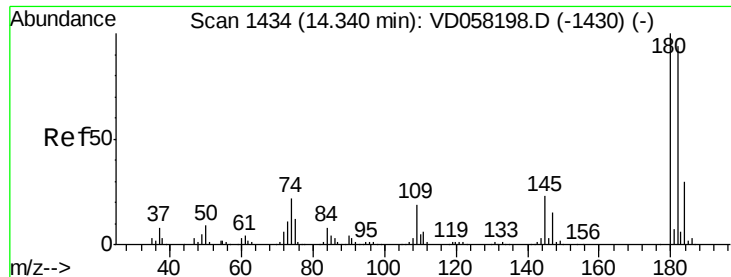
Tgt Ion: 146 Resp: 619583
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.201 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion: 75 Resp: 60122
 Ion Ratio Lower Upper
 75 100
 155 109.0 54.5 163.5
 157 143.9 72.0 215.9

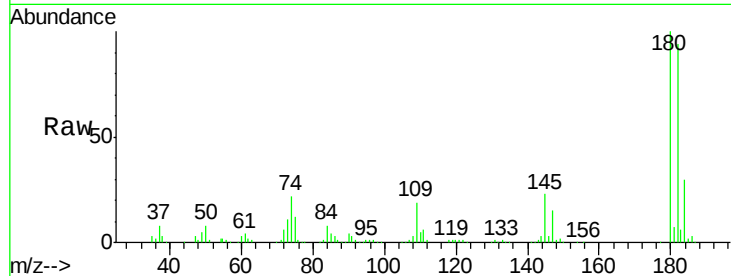




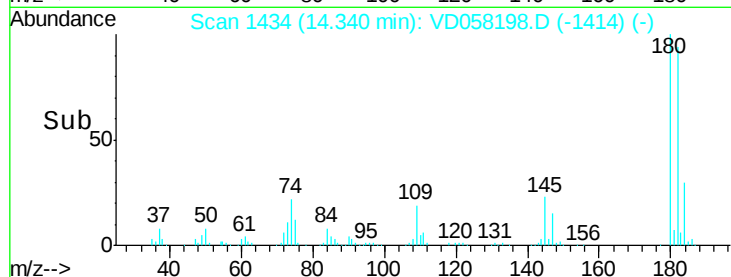
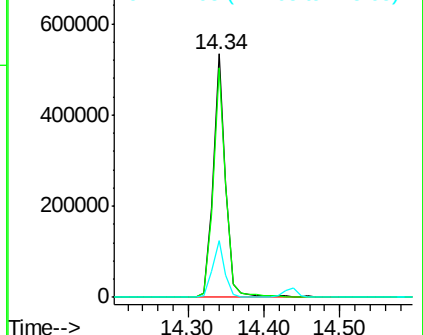
#93
 1,2,4-Trichlorobenzene
 Concen: 52.247 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 626220
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.3
 145 23.3 11.7 35.0

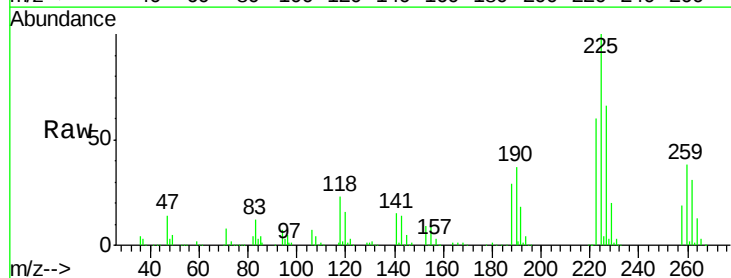


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

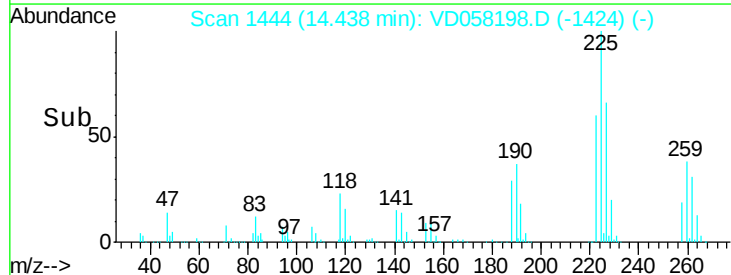
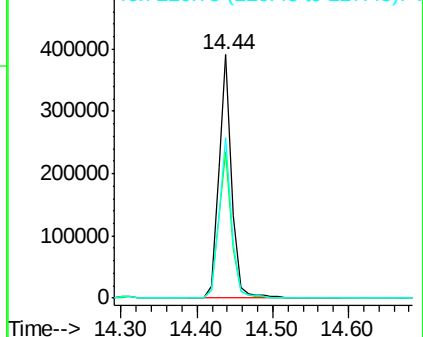


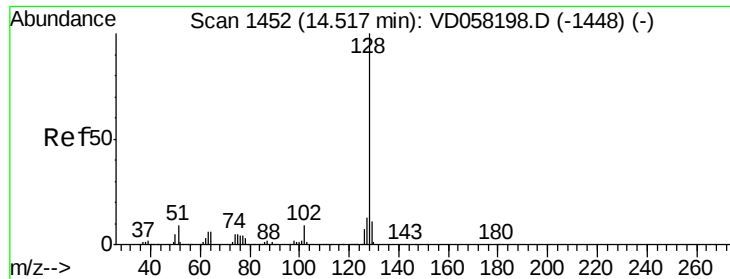
#94
 Hexachlorobutadiene
 Concen: 50.707 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058198.D
 Acq: 19 Jun 2018 16:59

Tgt Ion:225 Resp: 473840
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.1 90.3
 227 65.9 33.0 98.9



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

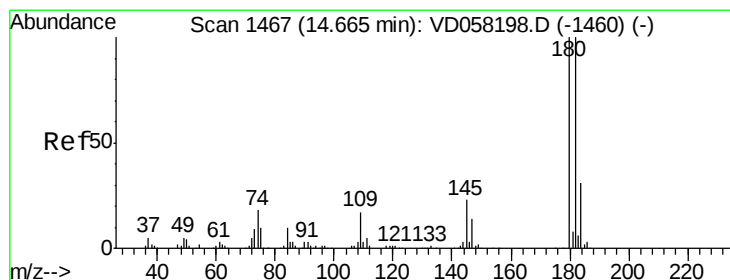
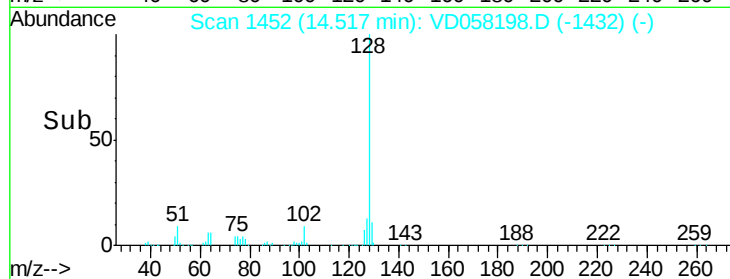
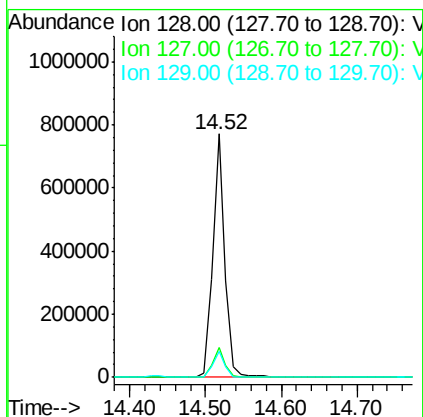
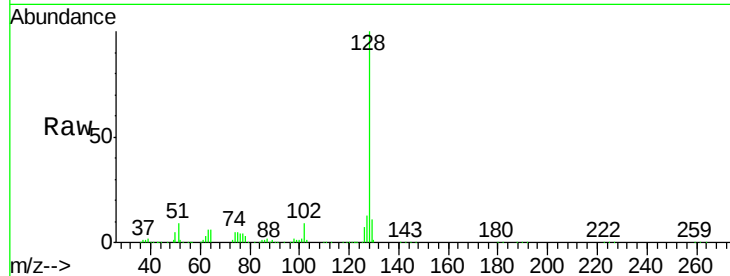




#95
Naphthalene
Concen: 55.724 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 876405
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.473 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058198.D
Acq: 19 Jun 2018 16:59

Tgt Ion:180 Resp: 549039
Ion Ratio Lower Upper
180 100
182 99.7 49.9 149.6
145 23.4 11.7 35.1

