

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058200.D
 Acq On : 19 Jun 2018 18:13
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 20 05:04:09 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	890542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1169387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	870477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	499657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	940218	103.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.80%	
35) Dibromofluoromethane	5.54	113	973847	104.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.90%	
50) Toluene-d8	8.71	98	2220143	99.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.54%	
62) 4-Bromofluorobenzene	11.93	95	885844	93.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	797424	69.57	ug/l	99
3) Chloromethane	1.48	50	370396	65.50	ug/l	99
4) Vinyl Chloride	1.55	62	440031	79.66	ug/l	100
5) Bromomethane	1.78	94	126782	60.64	ug/l	100
6) Chloroethane	1.87	64	141579	66.62	ug/l	95
7) Trichlorofluoromethane	2.07	101	576586	77.12	ug/l	95
8) Diethyl Ether	2.34	74	138059	96.93	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.54	101	388498	86.21	ug/l	98
10) Methyl Iodide	2.68	142	514582	89.08	ug/l	98
11) Tert butyl alcohol	3.27	59	131493	537.82	ug/l #	90
12) 1,1-Dichloroethene	2.53	96	300049	86.63	ug/l	96
13) Acrolein	2.46	56	65304	212.94	ug/l	89
14) Allyl chloride	2.92	41	699852	86.49	ug/l	96
15) Acrylonitrile	3.35	53	375935	287.88	ug/l	97
16) Acetone	2.61	43	528985	411.92	ug/l #	92
17) Carbon Disulfide	2.75	76	1027772	82.78	ug/l	99
18) Methyl Acetate	2.94	43	240101	94.35	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	817358	56.51	ug/l	100
20) Methylene Chloride	3.06	84	311850	72.36	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	323760	45.36	ug/l	91
22) Diisopropyl ether	4.07	45	2641948	83.21	ug/l	100
23) Vinyl Acetate	4.02	43	7343750	443.54	ug/l	100
24) 1,1-Dichloroethane	3.96	63	1470980	84.18	ug/l	99
25) 2-Butanone	4.84	43	1203394	417.57	ug/l	97
26) 2,2-Dichloropropane	4.79	77	1190457	82.87	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	767031	83.16	ug/l	96
28) Bromochloromethane	5.14	49	643916	84.28	ug/l #	97
29) Tetrahydrofuran	5.18	42	640854	418.82	ug/l	99
30) Chloroform	5.32	83	1550425	87.66	ug/l	99
31) Cyclohexane	5.58	56	1054092	69.84	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	1316957	88.93	ug/l	96
36) 1,1-Dichloropropene	5.74	75	1011495	80.11	ug/l	98
37) Ethyl Acetate	4.92	43	633305	89.80	ug/l	97
38) Carbon Tetrachloride	5.72	117	1113624	89.18	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	1012544	81.51	ug/l	99
40) Benzene	6.01	78	2361792	80.03	ug/l	99
41) Methacrylonitrile	5.12	41	300441	93.96	ug/l	99
42) 1,2-Dichloroethane	6.13	62	1056736	88.29	ug/l	100
43) Isopropyl Acetate	7.62	43	852941	92.39	ug/l #	100
44) Trichloroethene	6.98	130	754417	87.48	ug/l	95
45) 1,2-Dichloropropane	7.35	63	680142	82.94	ug/l	99
46) Dibromomethane	7.46	93	476059	89.05	ug/l	96
47) Bromodichloromethane	7.74	83	1137327	92.29	ug/l	99
48) Methyl methacrylate	7.50	41	502987	88.90	ug/l	100
49) 1,4-Dioxane	7.49	88	97811	2020.47	ug/l #	90
51) 4-Methyl-2-Pentanone	8.61	43	2574262	434.26	ug/l	98
52) Toluene	8.80	92	1385779	81.74	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	973100	90.73	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	1095955	86.98	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	494937	88.53	ug/l	96
56) Ethyl methacrylate	9.31	69	606900	88.37	ug/l	95
57) 1,3-Dichloropropane	9.67	76	839902	86.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	1451742	416.84	ug/l	95
59) 2-Hexanone	9.79	43	1802473	417.02	ug/l	98
60) Dibromochloromethane	9.96	129	744141	94.96	ug/l	97
61) 1,2-Dibromoethane	10.10	107	563006	87.75	ug/l	96
64) Tetrachloroethene	9.52	164	711838	92.64	ug/l	98
65) Chlorobenzene	10.72	112	1473805	85.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	614802	92.35	ug/l	97
67) Ethyl Benzene	10.86	91	2495362	80.24	ug/l	100
68) m/p-Xylenes	11.02	106	1681981	164.95	ug/l	98
69) o-Xylene	11.41	106	852611	85.14	ug/l	98
70) Styrene	11.43	104	1448776	86.87	ug/l	95
71) Bromoform	11.60	173	555679	108.83	ug/l #	97
73) Isopropylbenzene	11.78	105	2431927	74.96	ug/l	100
74) N-amyl acetate	11.65	43	1051030	82.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	610193	84.19	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	629448	83.45	ug/l	99
77) Bromobenzene	12.04	156	777208	80.67	ug/l	83
78) n-propylbenzene	12.16	91	3114885	73.39	ug/l	98
79) 2-Chlorotoluene	12.22	91	1872374	77.43	ug/l	97
80) 1,3,5-Trimethylbenzene	12.33	105	1993944	78.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	170664	91.87	ug/l	99
82) 4-Chlorotoluene	12.33	91	1975167	74.02	ug/l	92
83) tert-Butylbenzene	12.58	119	2310185	80.44	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	2254976	82.68	ug/l	99
85) sec-Butylbenzene	12.76	105	2713837	78.21	ug/l	99
86) p-Isopropyltoluene	12.89	119	2375982	85.53	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	1393621	85.05	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	1381207	86.04	ug/l	94
89) n-Butylbenzene	13.20	91	2277574	78.78	ug/l	98
90) Hexachloroethane	13.40	117	669368	93.86	ug/l	78
91) 1,2-Dichlorobenzene	13.19	146	1135734	84.32	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	117560	104.90	ug/l	70

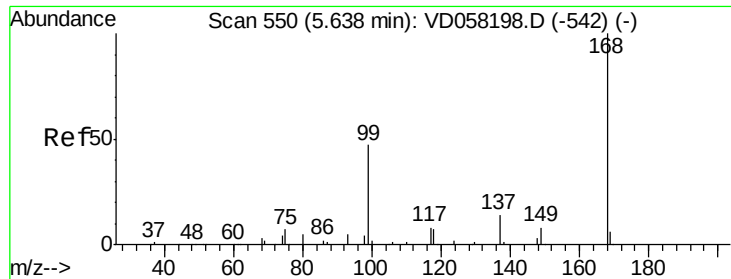
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	1155433	92.02	ug/l	97
94) Hexachlorobutadiene	14.44	225	937774	95.79	ug/l	98
95) Naphthalene	14.52	128	1558173	94.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	1027298	95.50	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

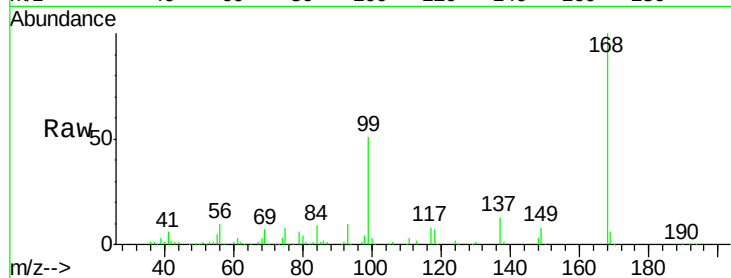
VSTDIC100

Tot Ion:168 Resp: 890542

Ion Ratio Lower Upper

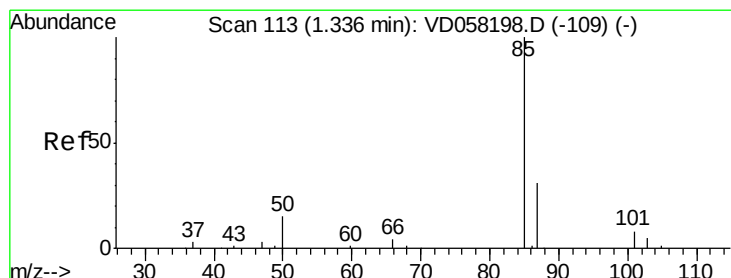
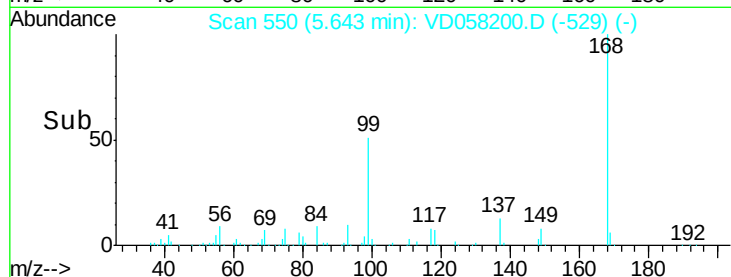
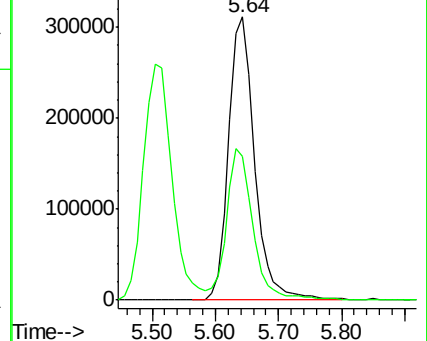
168 100

99 50.6 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: 69.57 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058200.D

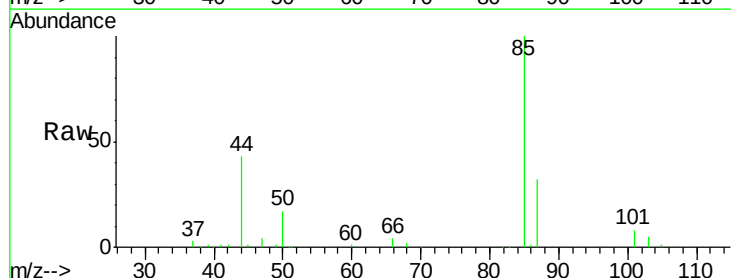
Acq: 19 Jun 2018 18:13

Tgt Ion: 85 Resp: 797424

Ion Ratio Lower Upper

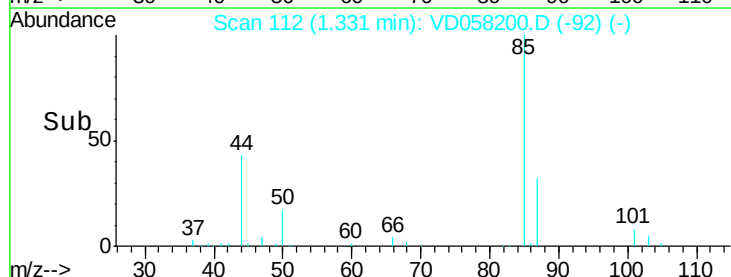
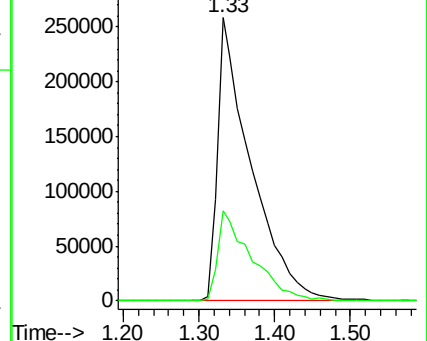
85 100

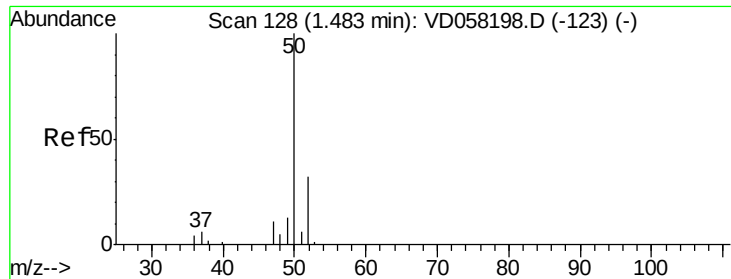
87 31.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 65.50 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

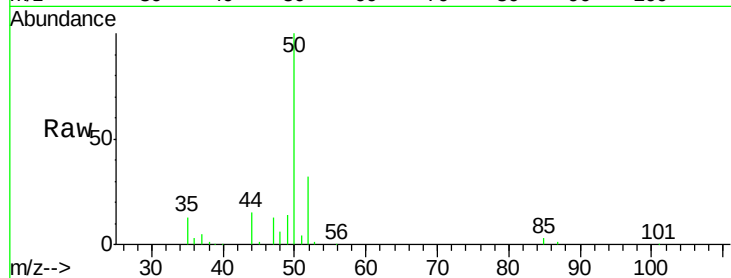
VSTDIC100

Tot Ion: 50 Resp: 370396

Ion Ratio Lower Upper

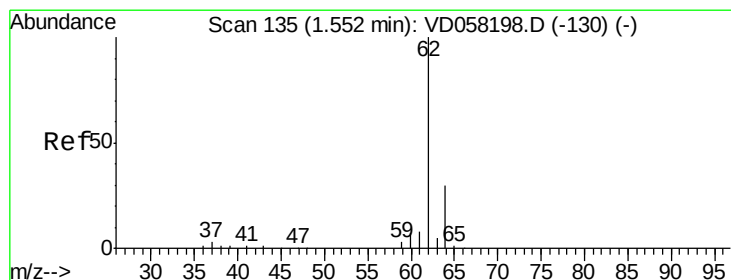
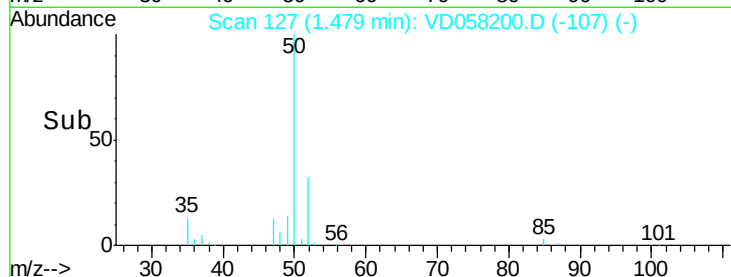
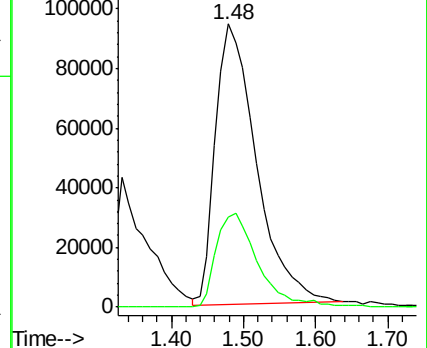
50 100

52 31.8 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: 79.66 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD058200.D

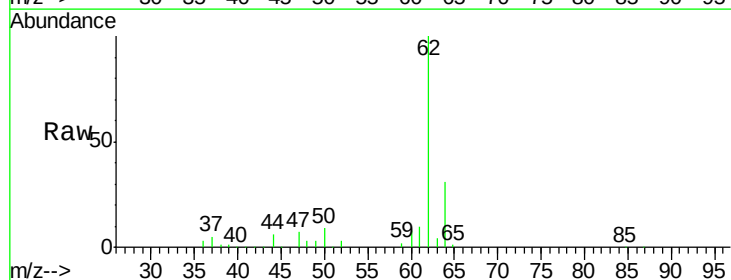
Acq: 19 Jun 2018 18:13

Tgt Ion: 62 Resp: 440031

Ion Ratio Lower Upper

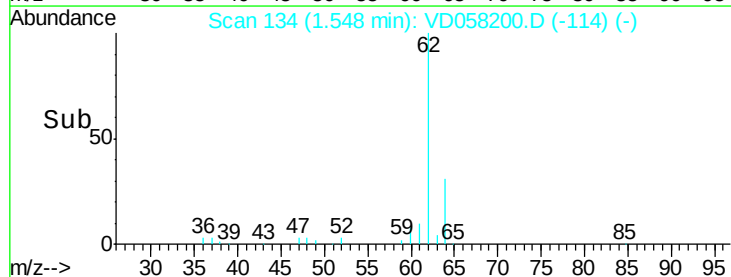
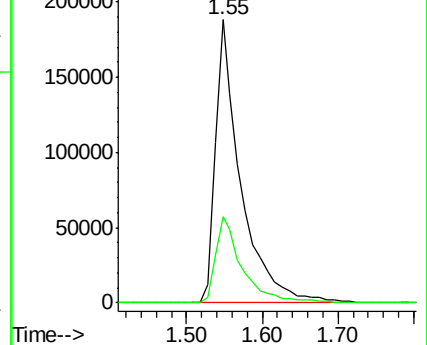
62 100

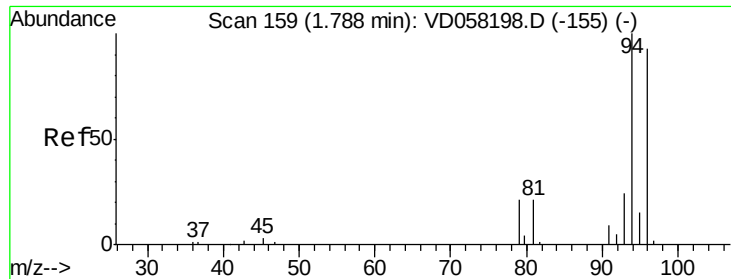
64 30.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

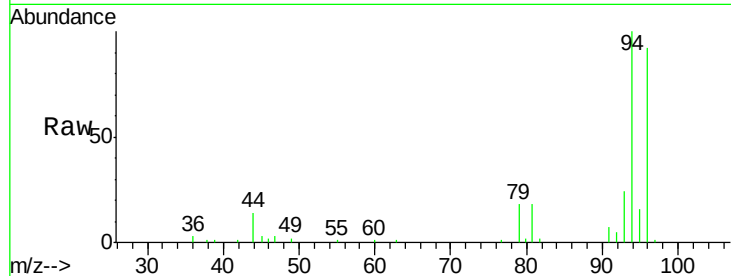




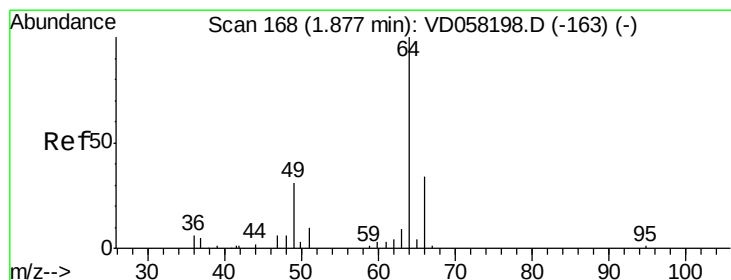
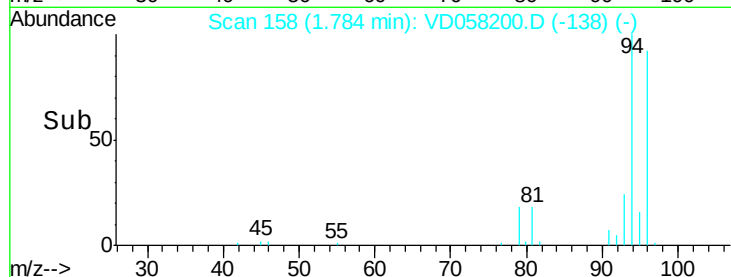
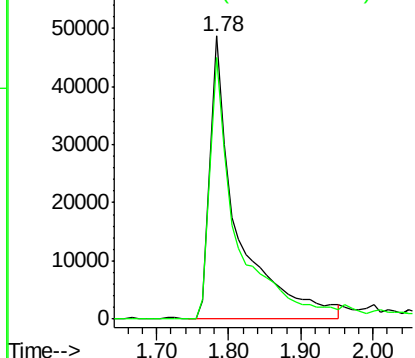
#5
Bromomethane
Concen: 60.64 ug/l
RT: 1.78 min Scan# 158
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 94 Resp: 126782
Ion Ratio Lower Upper
94 100
96 92.3 74.2 111.2

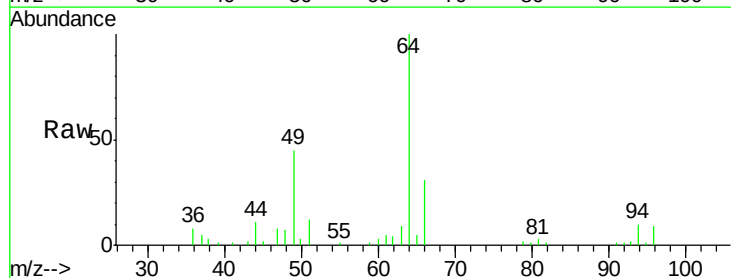


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

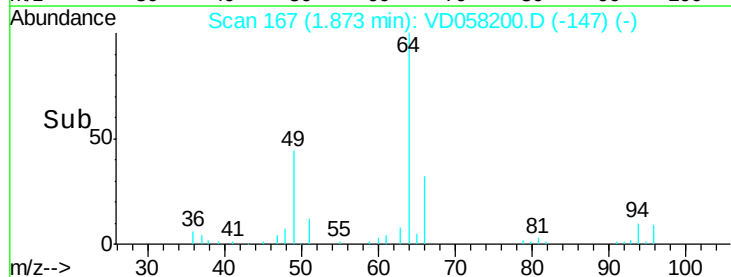
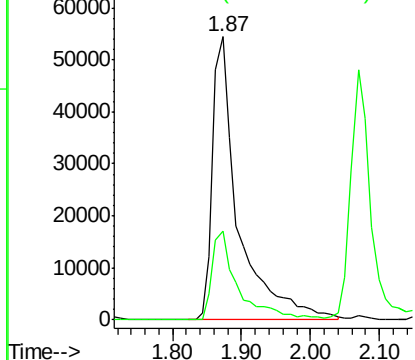


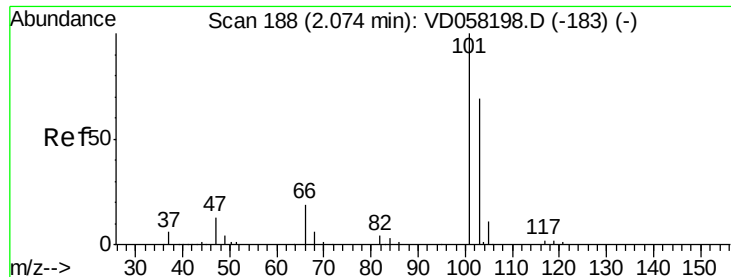
#6
Chloroethane
Concen: 66.62 ug/l
RT: 1.87 min Scan# 167
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 64 Resp: 141579
Ion Ratio Lower Upper
64 100
66 31.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



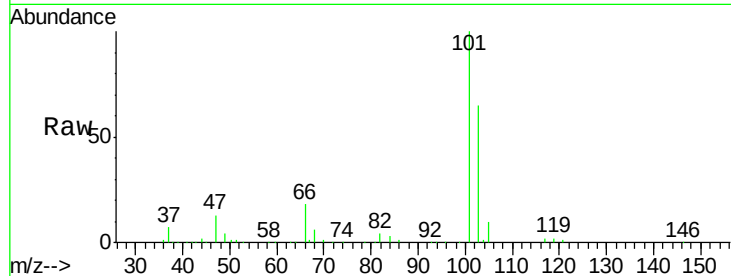


#7

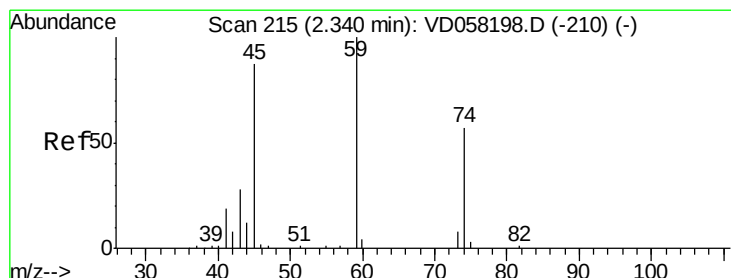
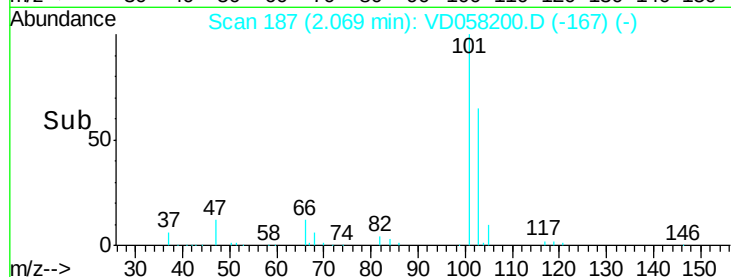
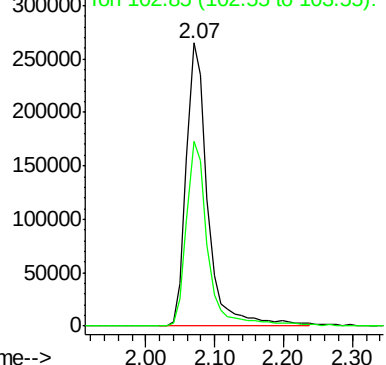
Trichlorofluoromethane
 Concen: 77.12 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Instrument :
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 VSTDIC100

Tot Ion:101 Resp: 576586
 Ion Ratio Lower Upper
 101 100
 103 65.1 55.1 82.7



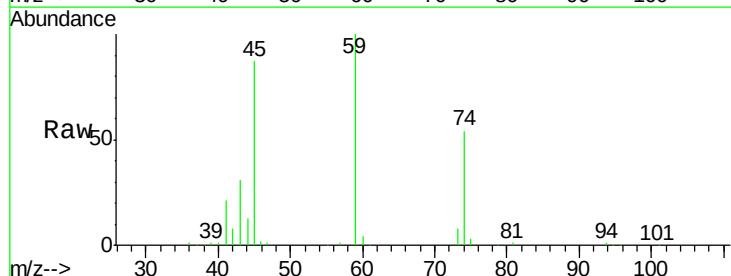
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



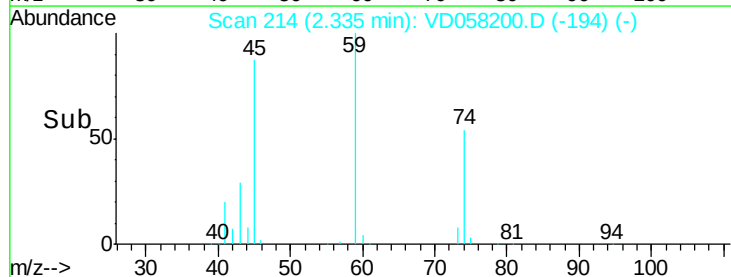
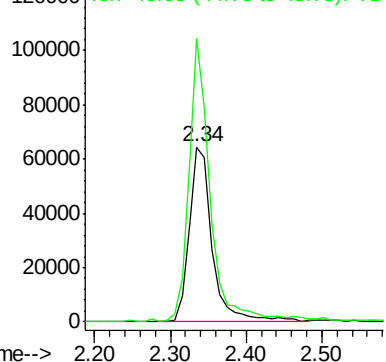
#8

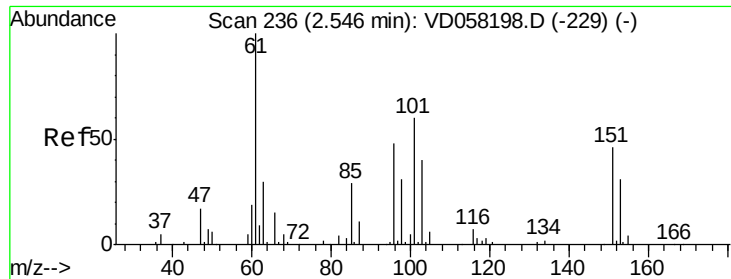
Diethyl Ether
 Concen: 96.93 ug/l
 RT: 2.34 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 74 Resp: 138059
 Ion Ratio Lower Upper
 74 100
 45 161.8 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 86.21 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

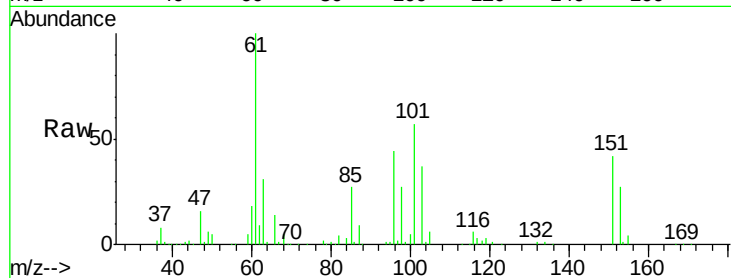
Tot Ion:101 Resp: 388498

Ion Ratio Lower Upper

101 100

85 48.0 39.0 58.4

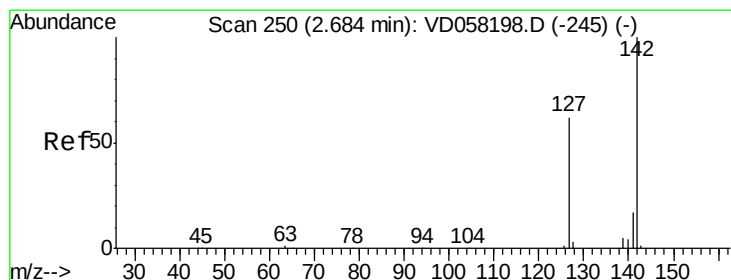
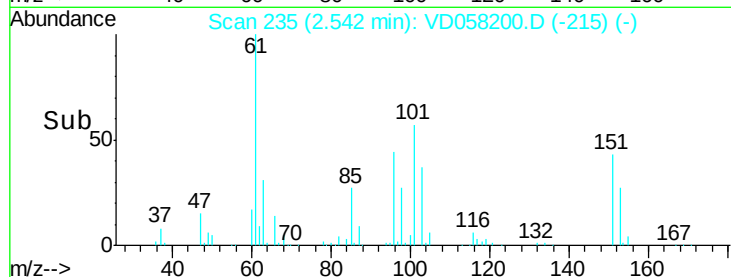
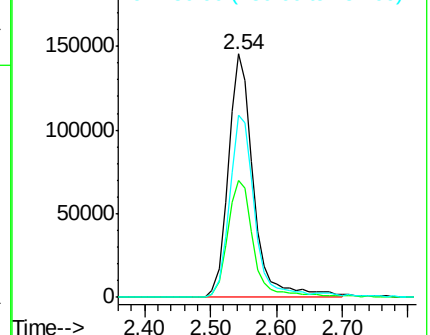
151 75.0 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 89.08 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

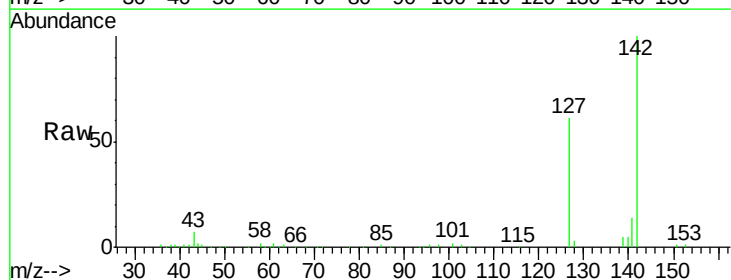
Tgt Ion:142 Resp: 514582

Ion Ratio Lower Upper

142 100

127 61.2 49.4 74.0

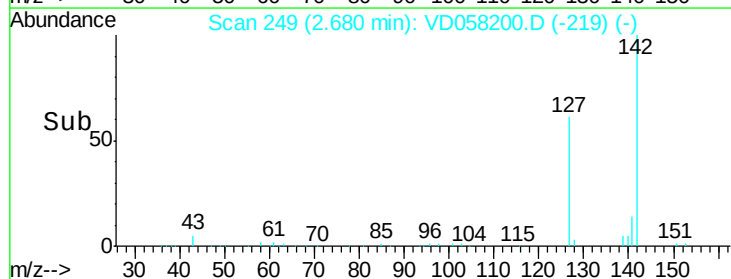
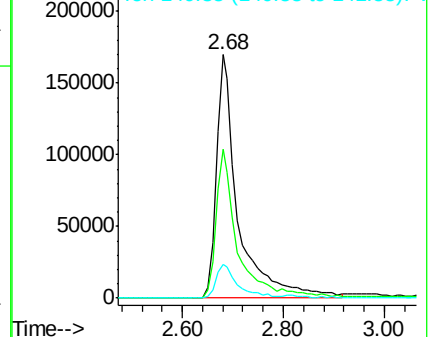
141 13.9 13.5 20.3

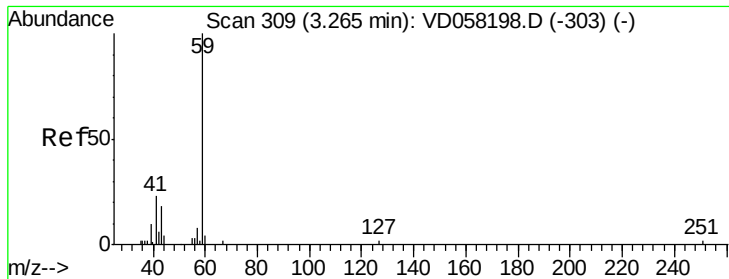


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



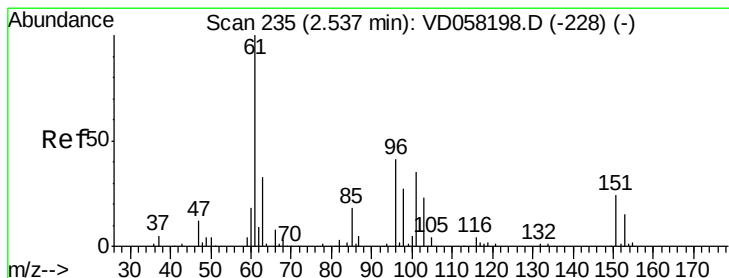
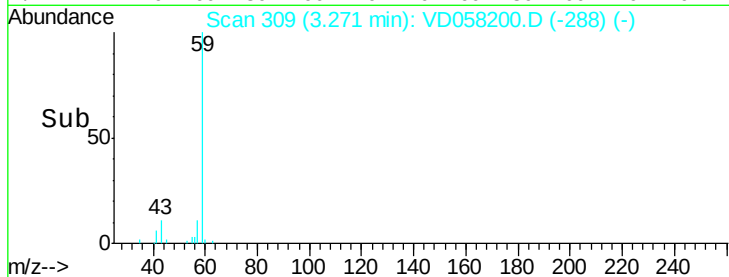
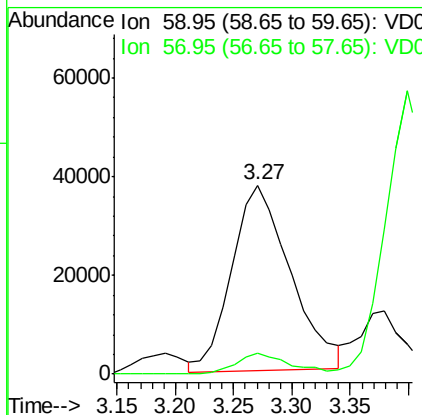
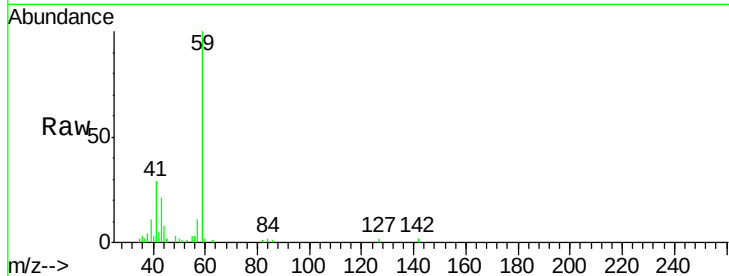


#11

Tert butyl alcohol
 Concen: 537.82 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

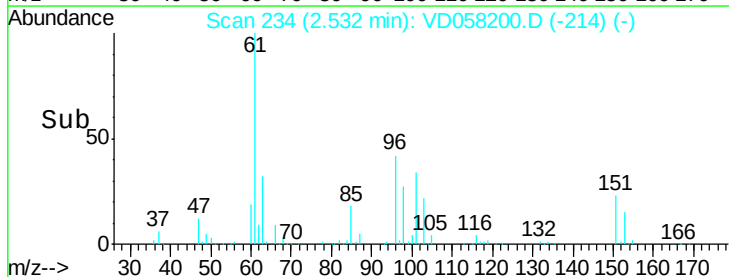
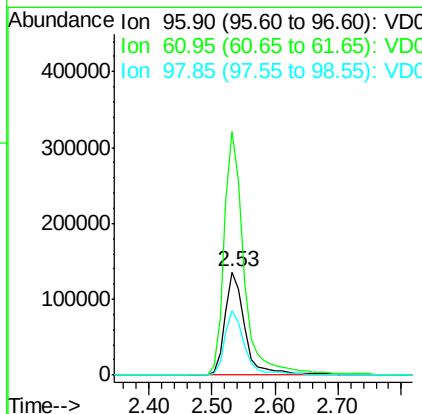
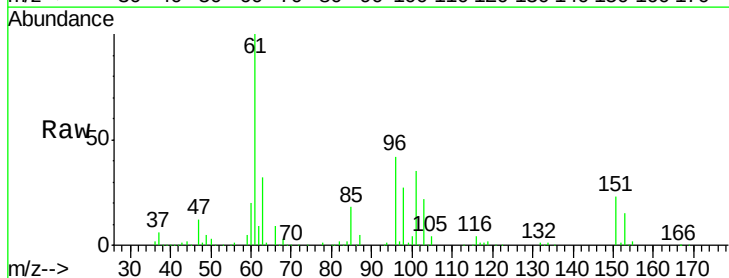
Tot Ion: 59 Resp: 131493
 Ion Ratio Lower Upper
 59 100
 57 11.2 6.2 9.4#

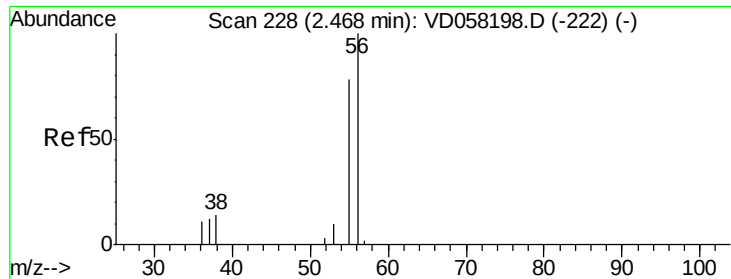


#12

1,1-Dichloroethene
 Concen: 86.63 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 96 Resp: 300049
 Ion Ratio Lower Upper
 96 100
 61 235.4 193.9 290.9
 98 62.4 51.7 77.5





#13

Acrolein

Concen: 212.94 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

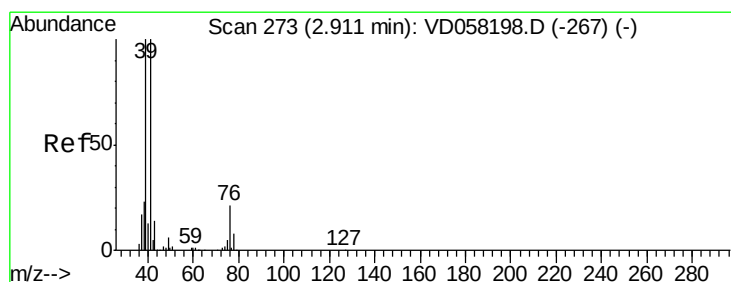
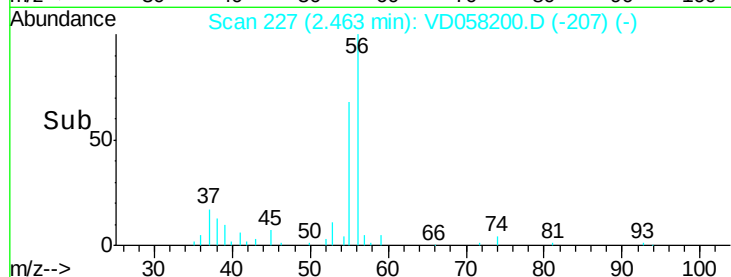
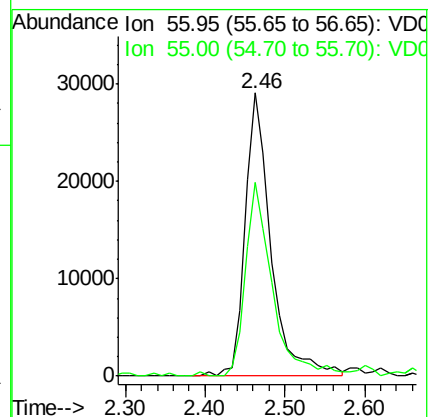
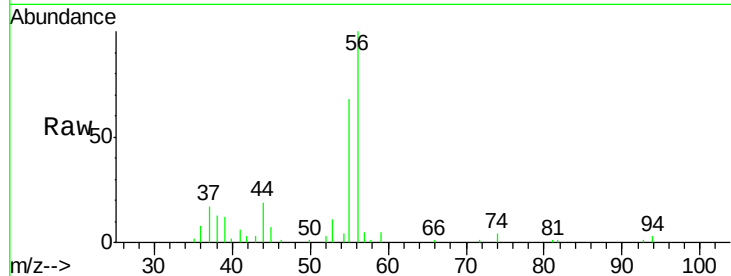
VSTDIC100

Tot Ion: 56 Resp: 65304

Ion Ratio Lower Upper

56 100

55 68.3 62.1 93.1



#14

Allyl chloride

Concen: 86.49 ug/l

RT: 2.92 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

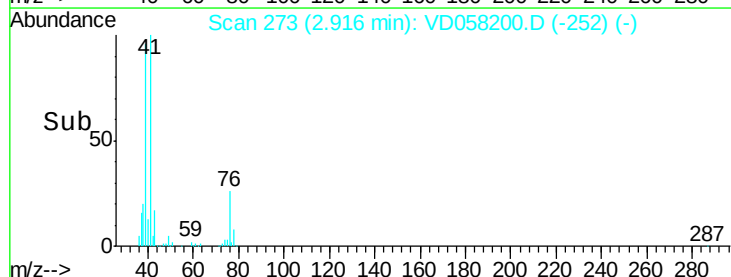
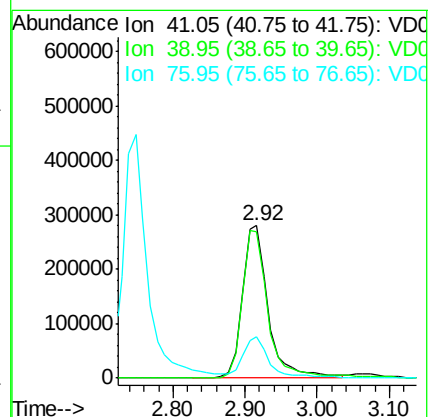
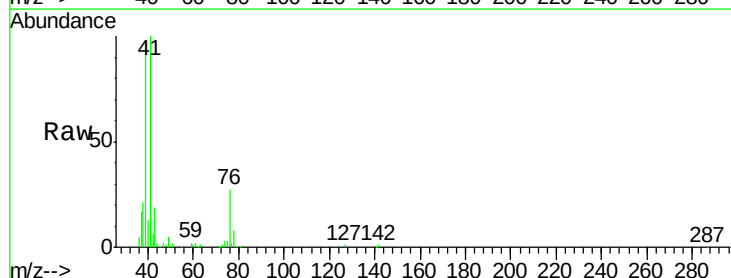
Tgt Ion: 41 Resp: 699852

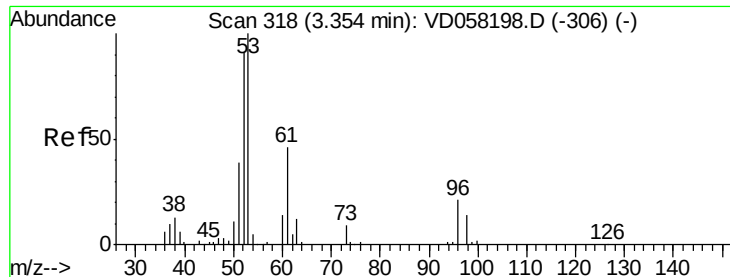
Ion Ratio Lower Upper

41 100

39 96.5 80.1 120.1

76 27.2 19.4 29.2





#15

Acrylonitrile

Concen: 287.88 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

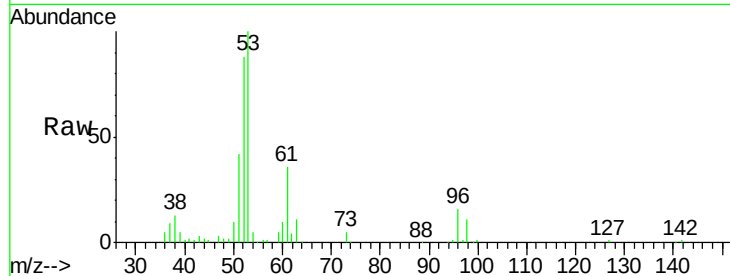
Tot Ion: 53 Resp: 375935

Ion Ratio Lower Upper

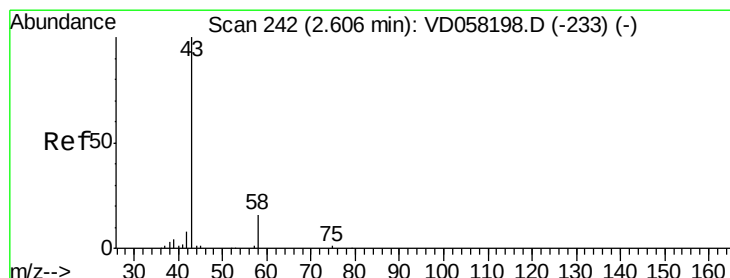
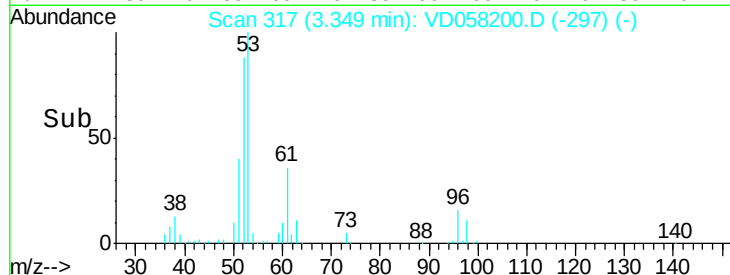
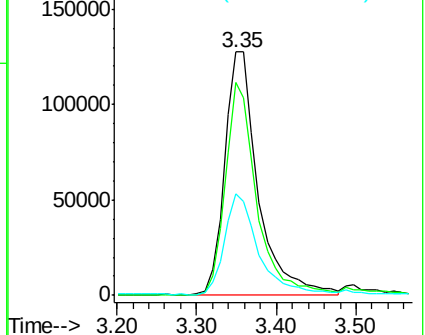
53 100

52 87.5 72.6 108.8

51 41.7 32.2 48.4



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



#16

Acetone

Concen: 411.92 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058200.D

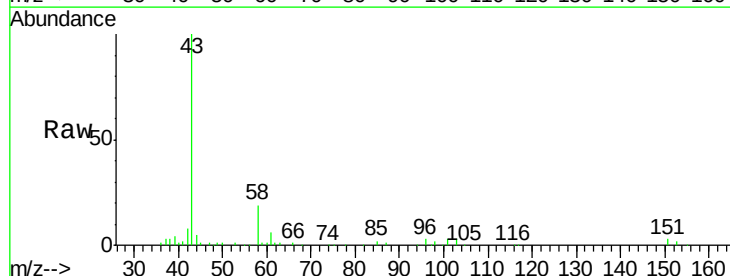
Acq: 19 Jun 2018 18:13

Tgt Ion: 43 Resp: 528985

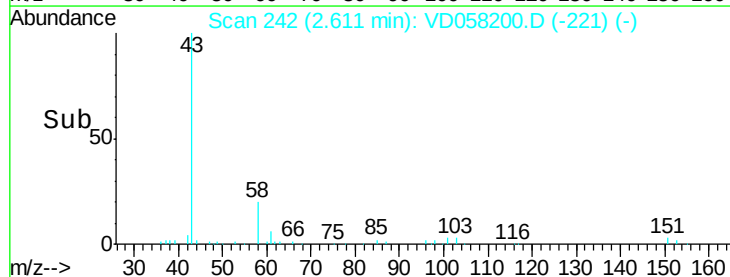
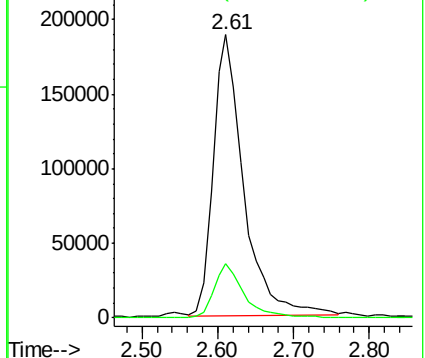
Ion Ratio Lower Upper

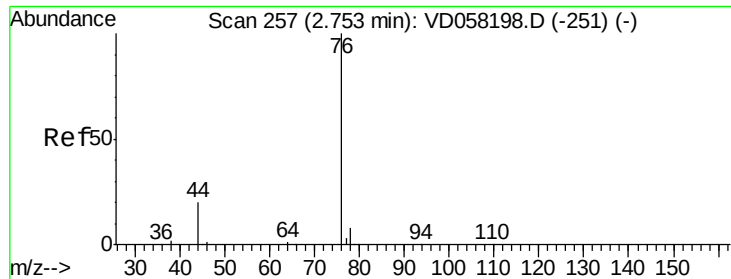
43 100

58 19.3 12.7 19.1#



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

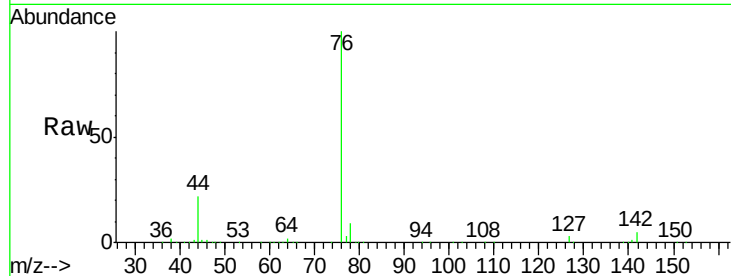




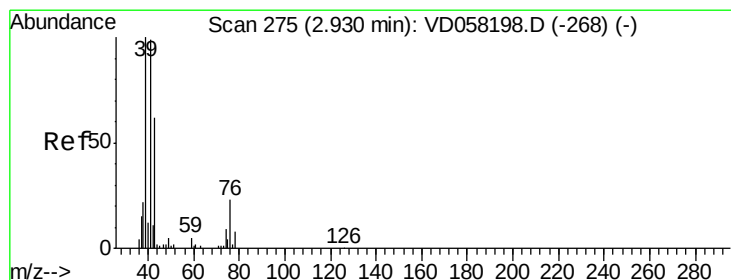
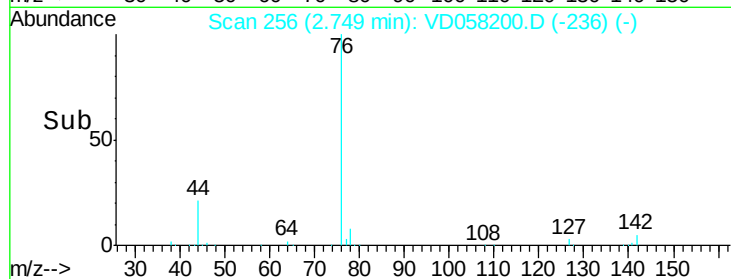
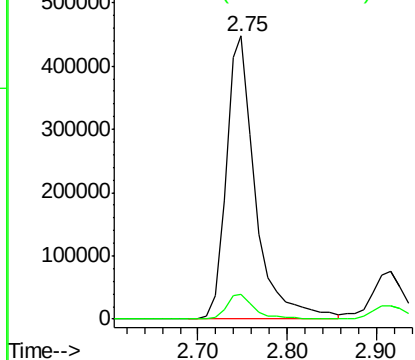
#17
Carbon Disulfide
Concen: 82.78 ug/l
RT: 2.75 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1027772
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2

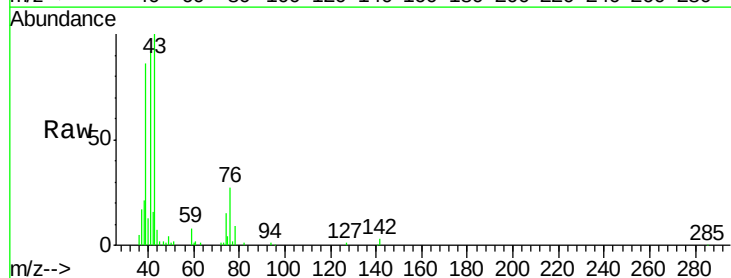


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

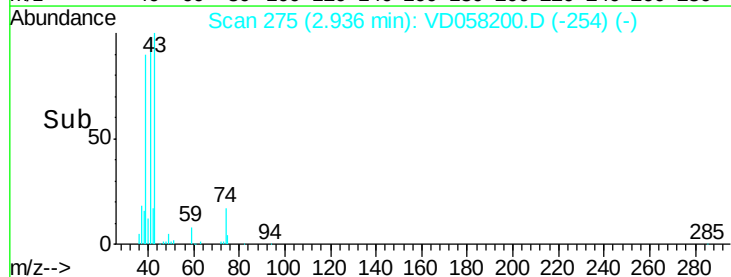
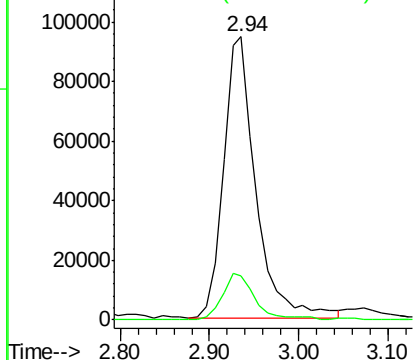


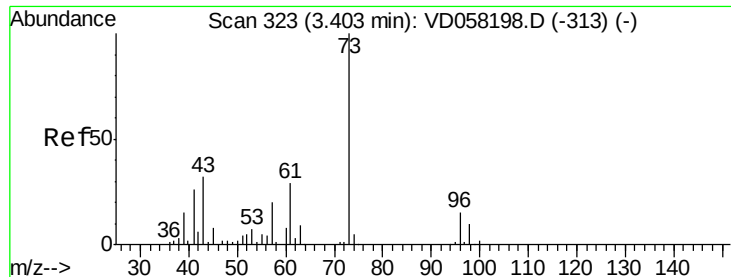
#18
Methyl Acetate
Concen: 94.35 ug/l
RT: 2.94 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 43 Resp: 240101
Ion Ratio Lower Upper
43 100
74 15.4 11.7 17.5



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

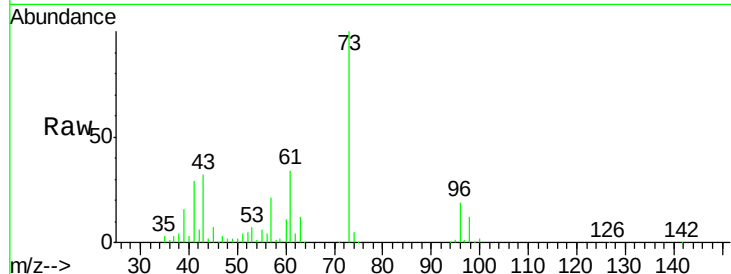




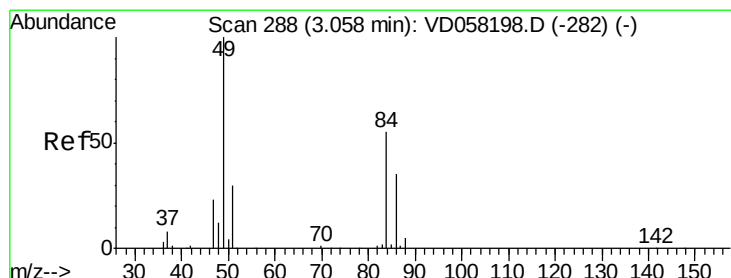
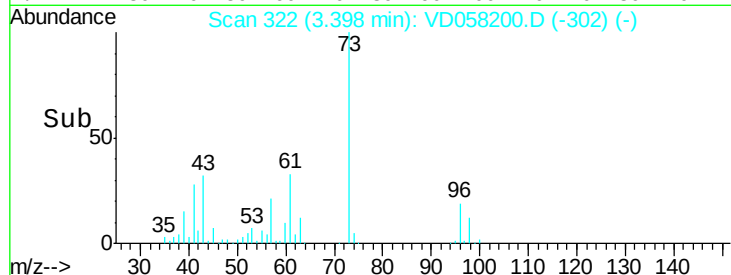
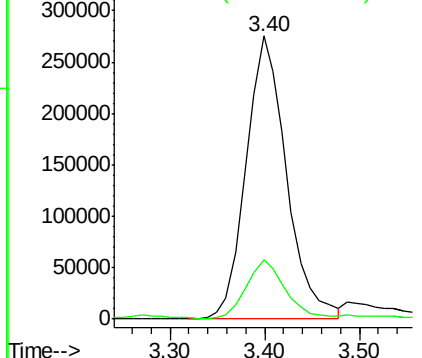
#19
Methyl tert-butyl Ether
Concen: 56.51 ug/l
RT: 3.40 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 817358
Ion Ratio Lower Upper
73 100
57 20.8 16.6 24.8

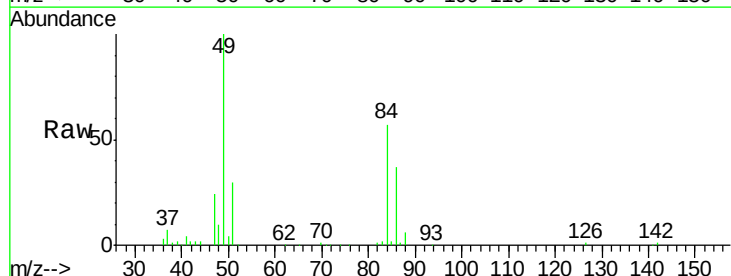


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

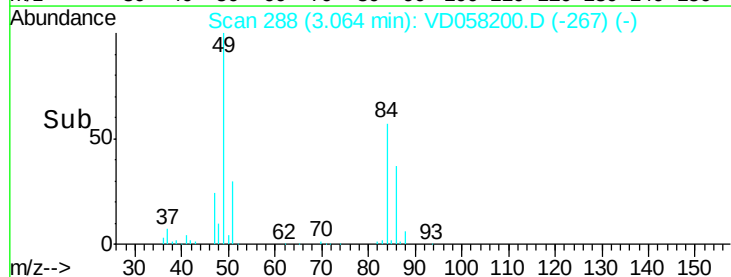
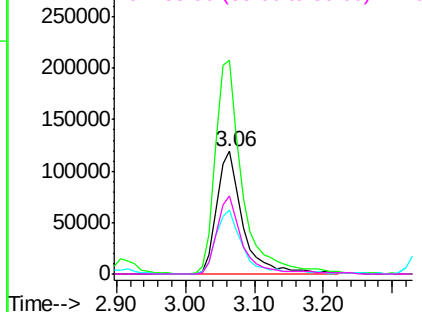


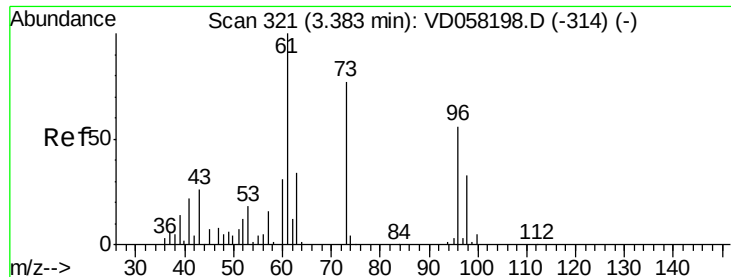
#20
Methylene Chloride
Concen: 72.36 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 84 Resp: 311850
Ion Ratio Lower Upper
84 100
49 174.2 145.0 217.6
51 52.4 42.9 64.3
86 63.8 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





#21

trans-1,2-Dichloroethene

Concen: 45.36 ug/l

RT: 3.38 min Scan# 320

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

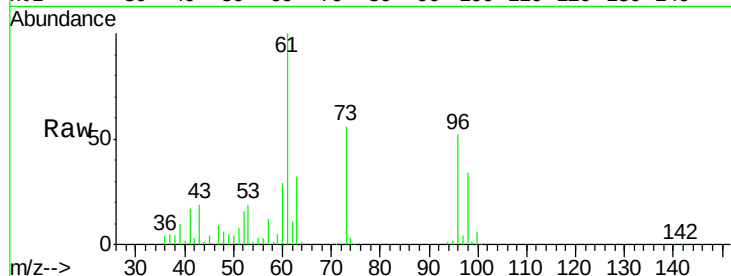
Tot Ion: 96 Resp: 323760

Ion Ratio Lower Upper

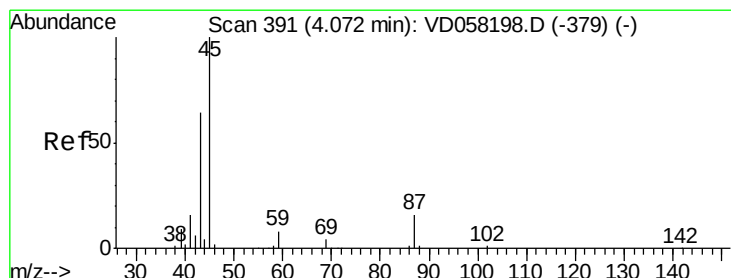
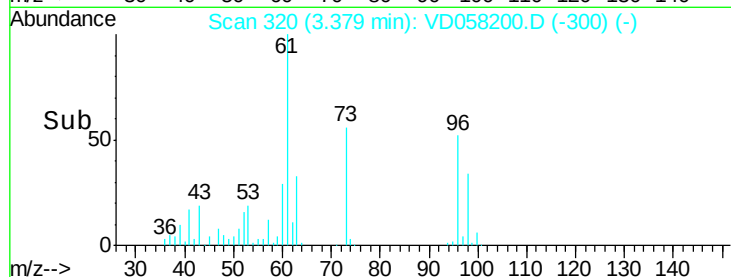
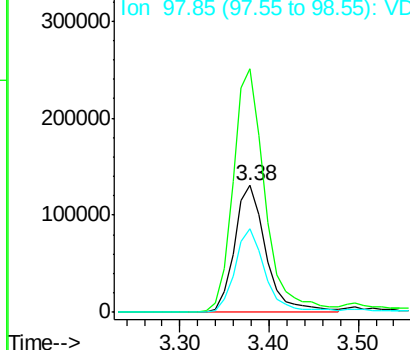
96 100

61 192.4 143.8 215.6

98 65.7 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: 83.21 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Tgt Ion: 45 Resp: 2641948

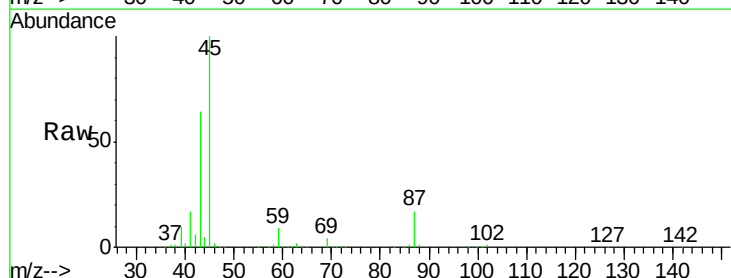
Ion Ratio Lower Upper

45 100

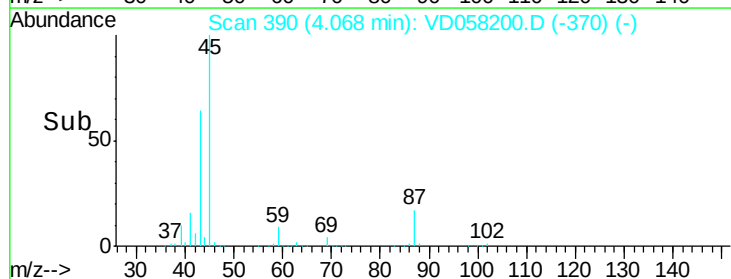
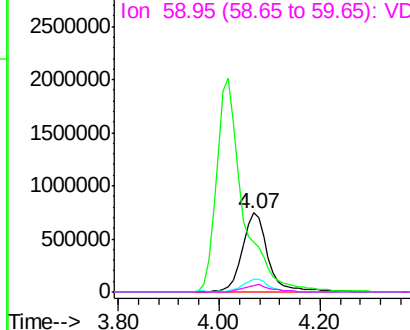
43 64.1 51.4 77.0

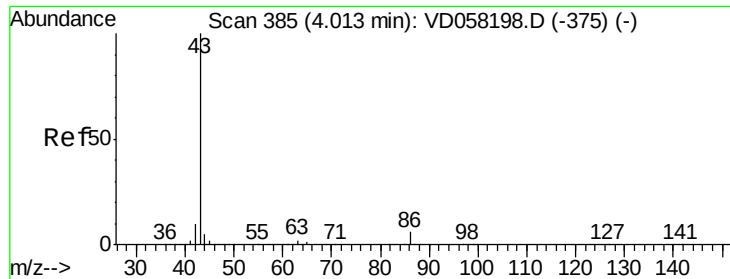
87 16.7 13.0 19.4

59 8.7 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: 443.54 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

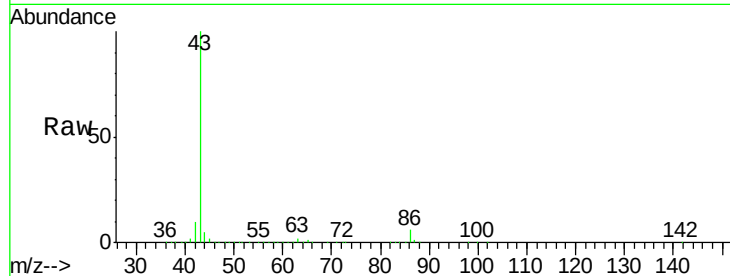
VSTDIC100

Tot Ion: 43 Resp: 7343750

Ion Ratio Lower Upper

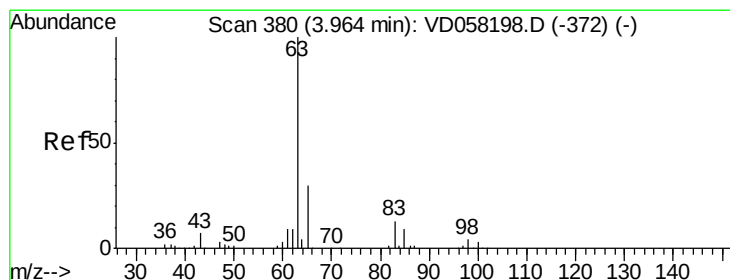
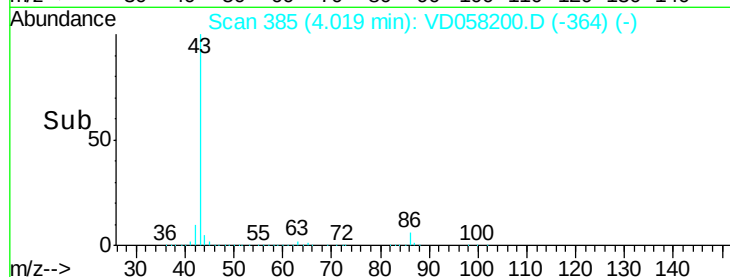
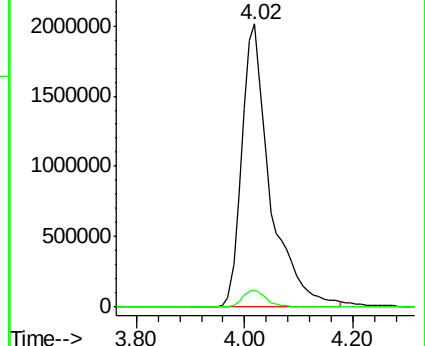
43 100

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: 84.18 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

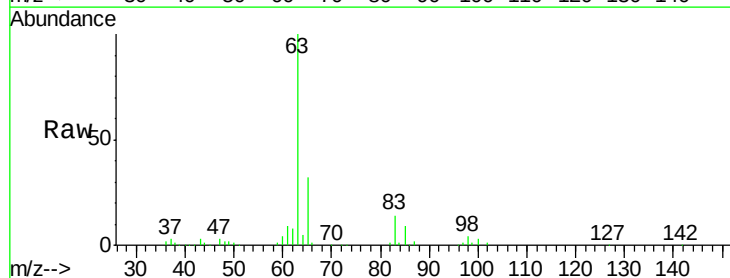
Tgt Ion: 63 Resp: 1470980

Ion Ratio Lower Upper

63 100

98 4.3 1.9 5.7

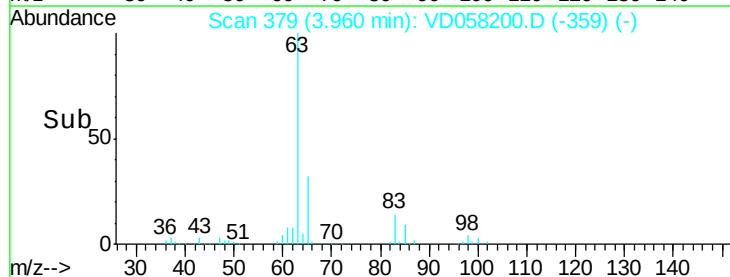
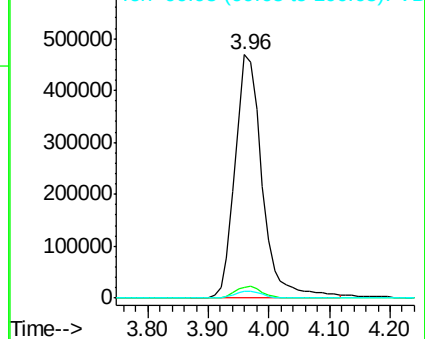
100 2.8 1.3 3.9

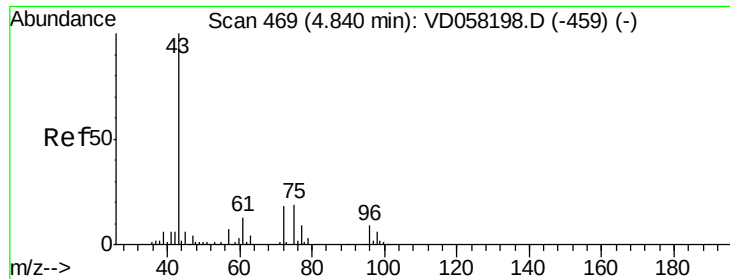


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 417.57 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

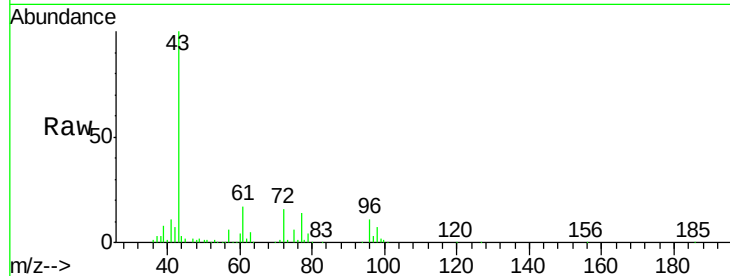
VSTDIC100

Tot Ion: 43 Resp: 1203394

Ion Ratio Lower Upper

43 100

72 16.2 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.84

400000

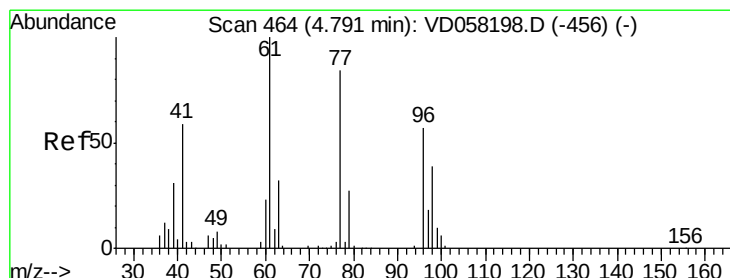
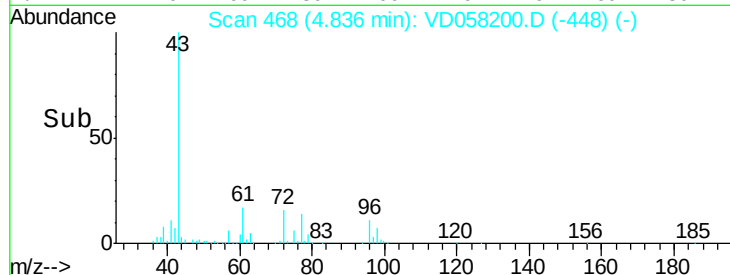
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 82.87 ug/l

RT: 4.79 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD058200.D

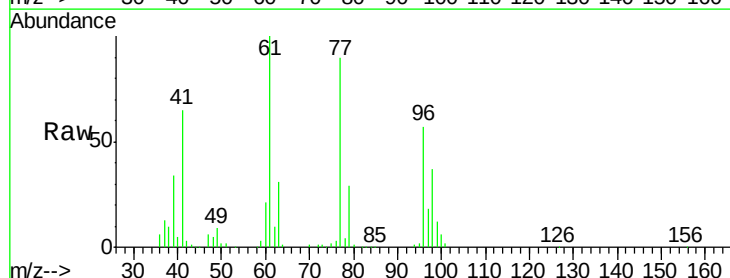
Acq: 19 Jun 2018 18:13

Tgt Ion: 77 Resp: 1190457

Ion Ratio Lower Upper

77 100

97 19.6 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.79

400000

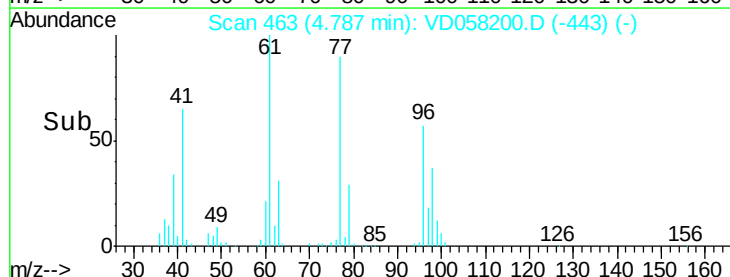
300000

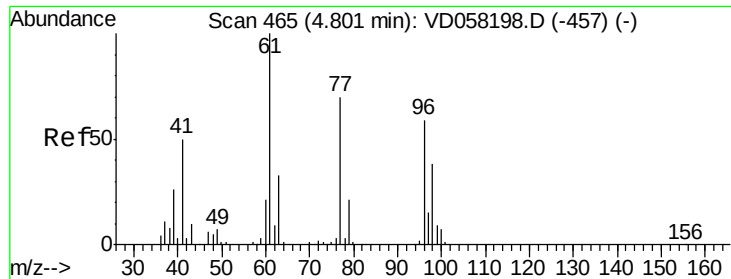
200000

100000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 83.16 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

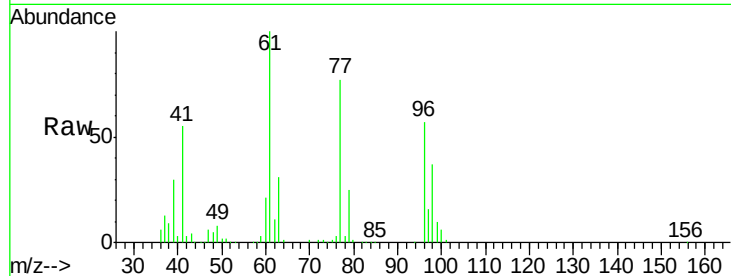
Tot Ion: 96 Resp: 767031

Ion Ratio Lower Upper

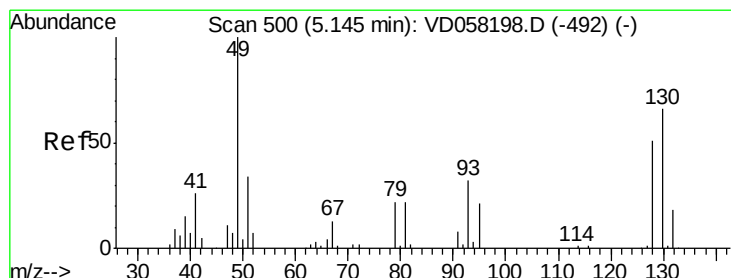
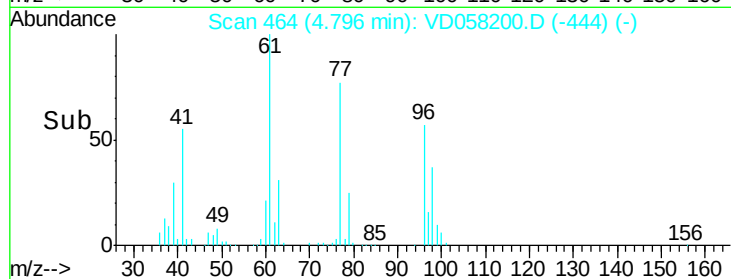
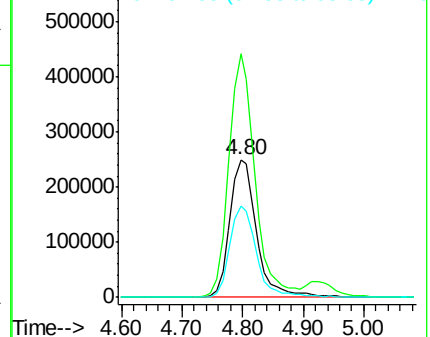
96 100

61 176.8 0.0 338.6

98 65.9 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: 84.28 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

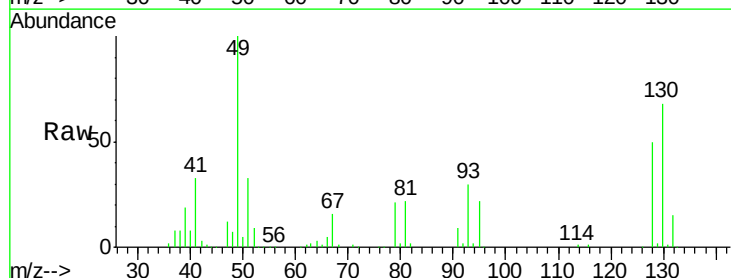
Tgt Ion: 49 Resp: 643916

Ion Ratio Lower Upper

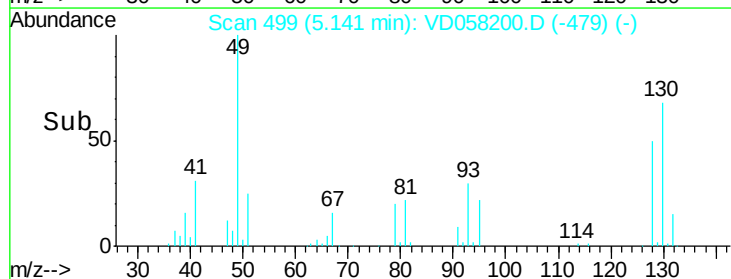
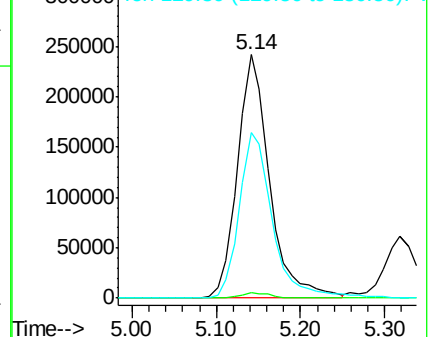
49 100

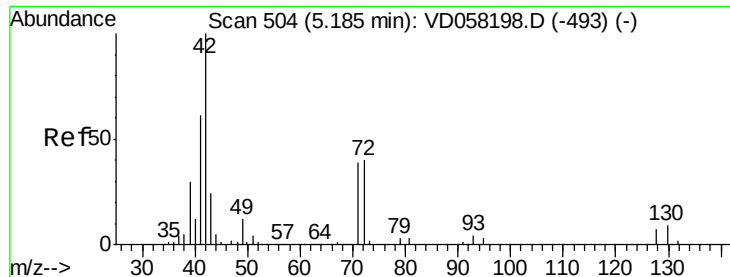
129 2.4 0.0 0.0#

130 67.9 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

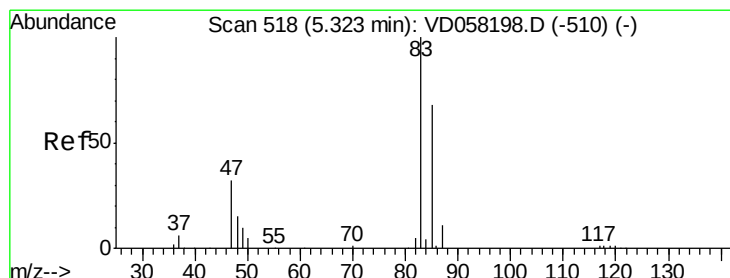
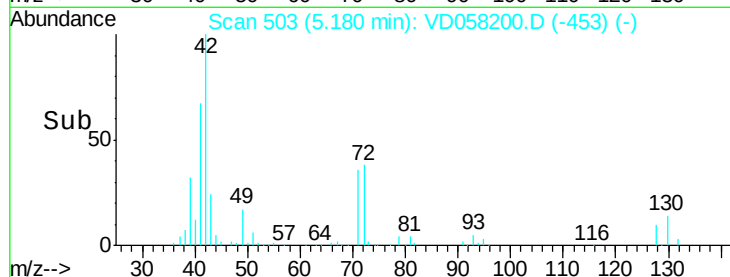
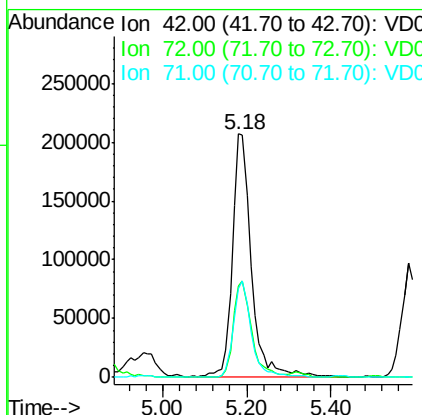
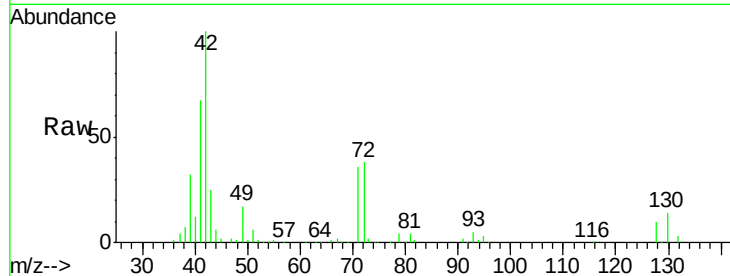




#29
Tetrahydrofuran
Concen: 418.82 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

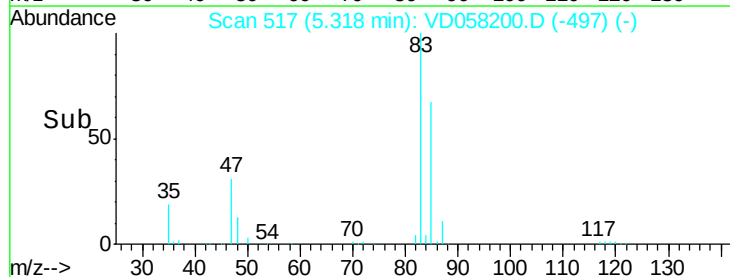
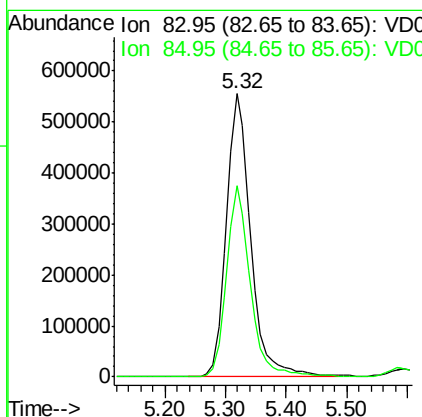
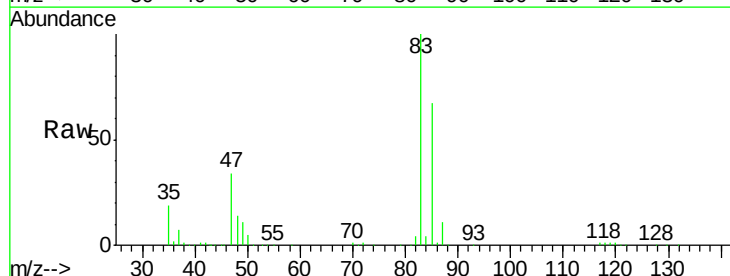
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

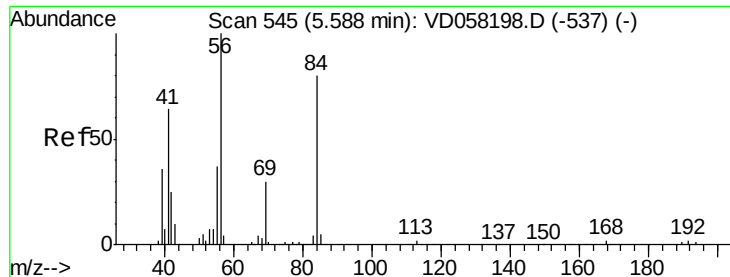
Tot Ion: 42 Resp: 640854
Ion Ratio Lower Upper
42 100
72 38.1 30.2 45.2
71 37.9 30.1 45.1



#30
Chloroform
Concen: 87.66 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 83 Resp: 1550425
Ion Ratio Lower Upper
83 100
85 67.4 54.8 82.2

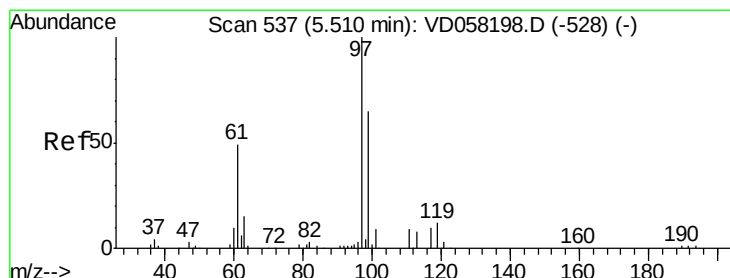
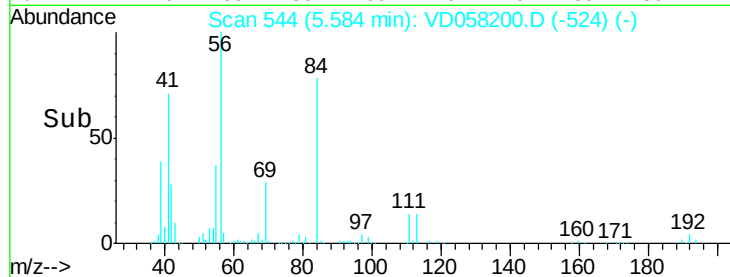
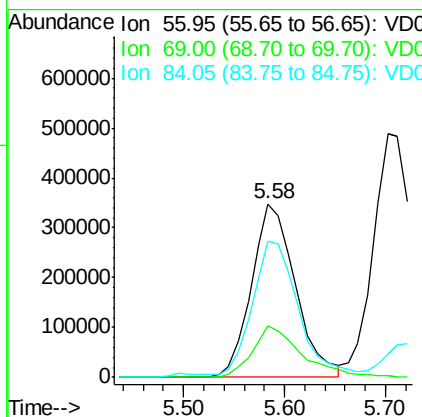
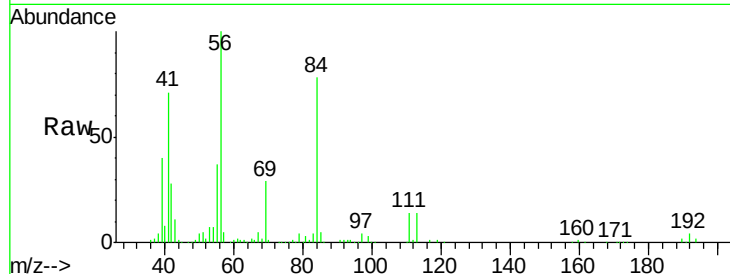




#31
Cyclohexane
Concen: 69.84 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

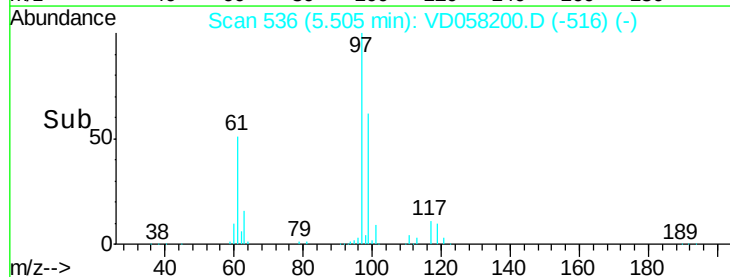
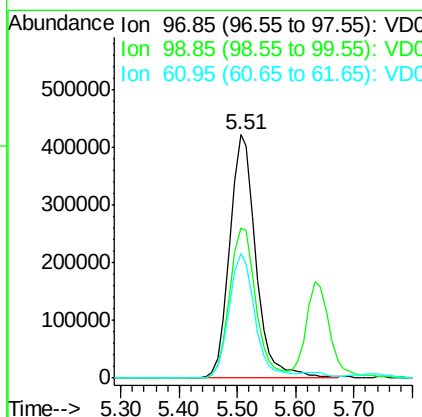
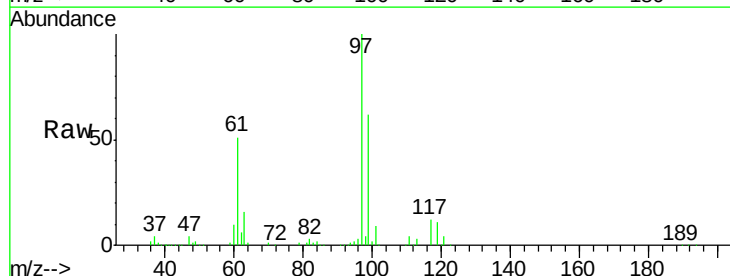
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

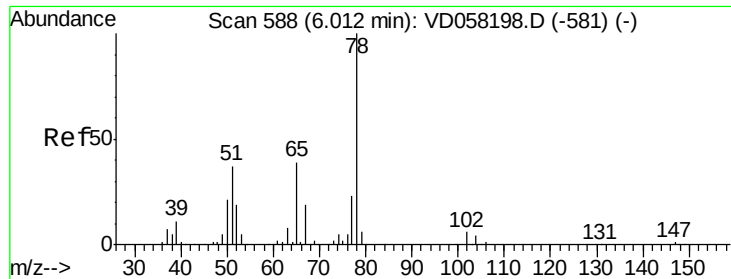
Tot Ion: 56 Resp: 1054092
Ion Ratio Lower Upper
56 100
69 29.5 23.6 35.4
84 78.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 88.93 ug/l
RT: 5.51 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 97 Resp: 1316957
Ion Ratio Lower Upper
97 100
99 61.6 52.2 78.4
61 51.0 39.0 58.4

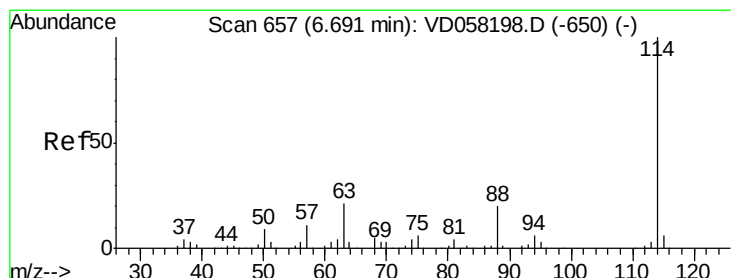
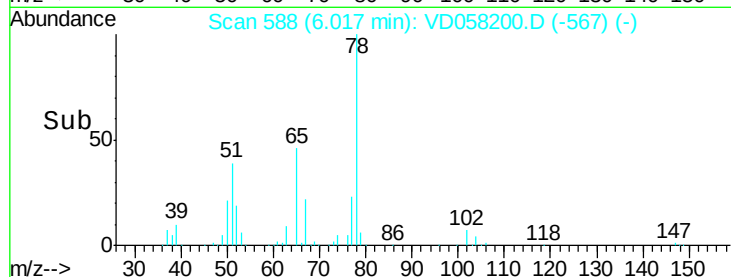
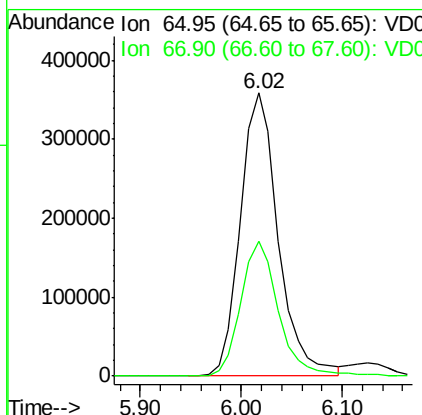
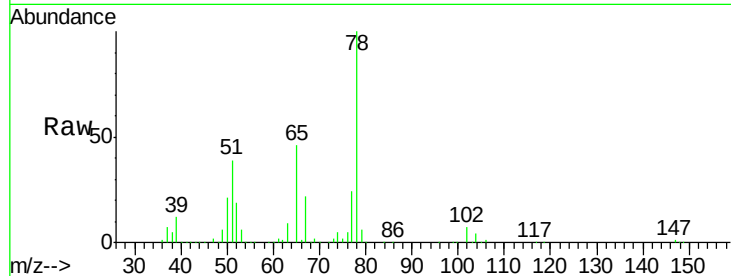




#33
 1,2-Dichloroethane-d4
 Concen: 88.93 ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

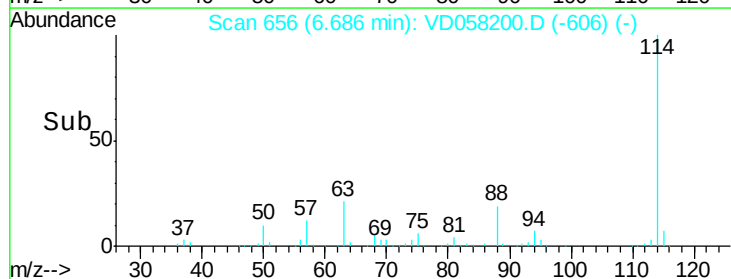
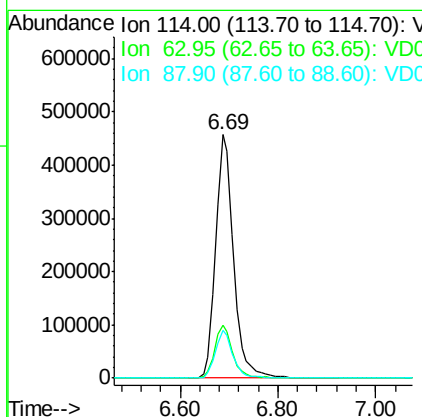
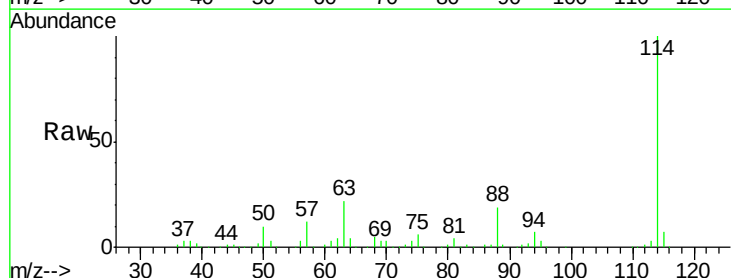
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

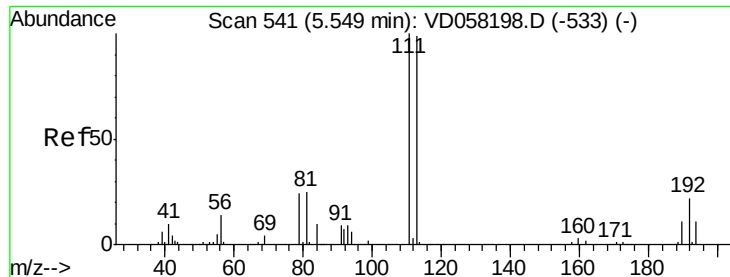
Tot Ion: 65 Resp: 940218
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 114 Resp: 1169387
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.6
 88 19.4 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

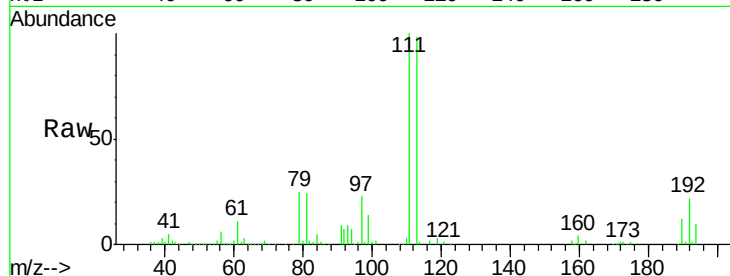
Tot Ion:113 Resp: 973847

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

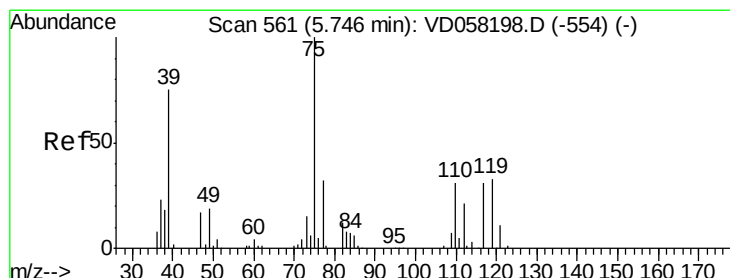
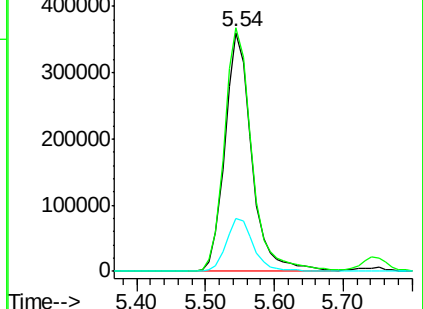
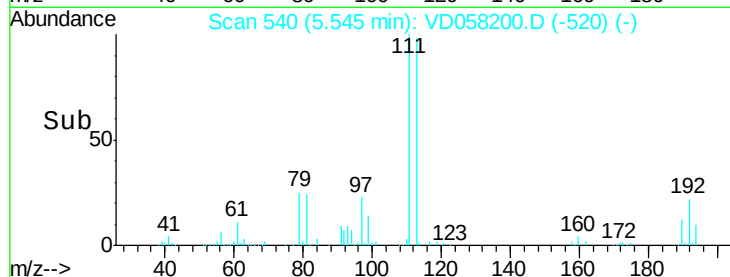
192 22.2 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 80.11 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

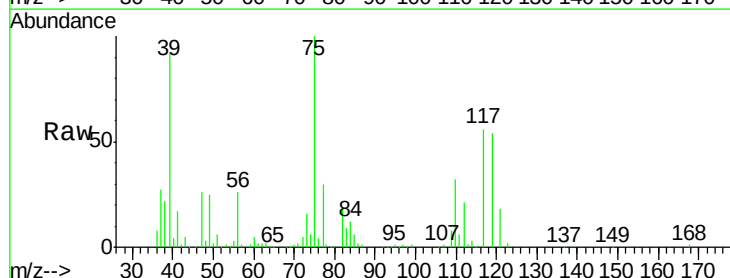
Tgt Ion: 75 Resp: 1011495

Ion Ratio Lower Upper

75 100

110 32.1 15.4 46.4

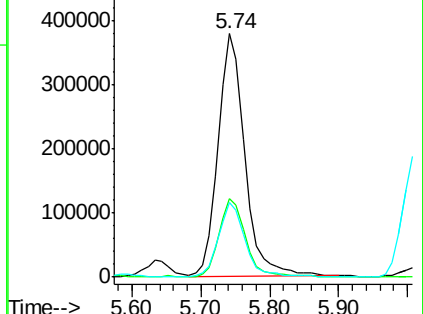
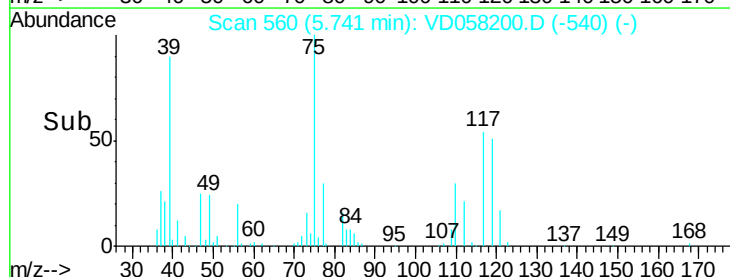
77 30.5 25.4 38.2

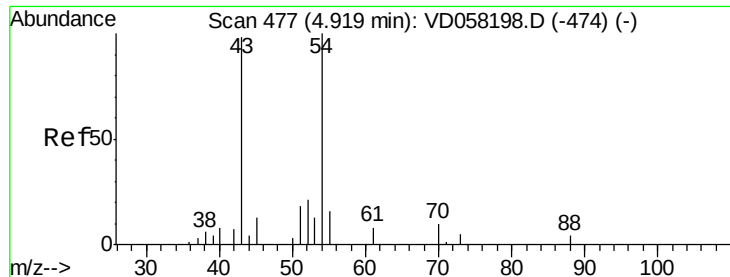


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

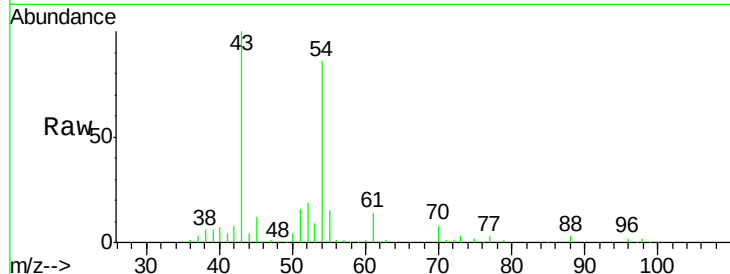




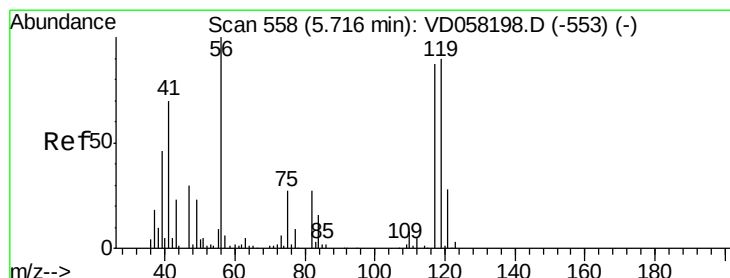
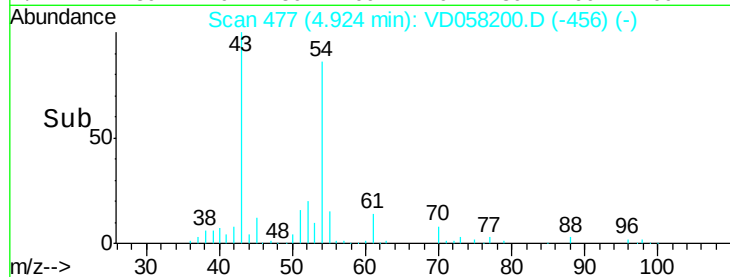
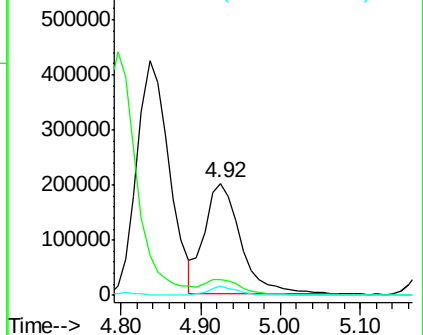
#37
Ethyl Acetate
Concen: 89.80 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 43 Resp: 633305
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 7.8 5.7 8.5

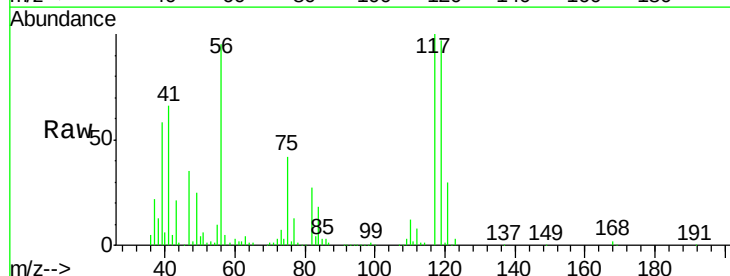


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

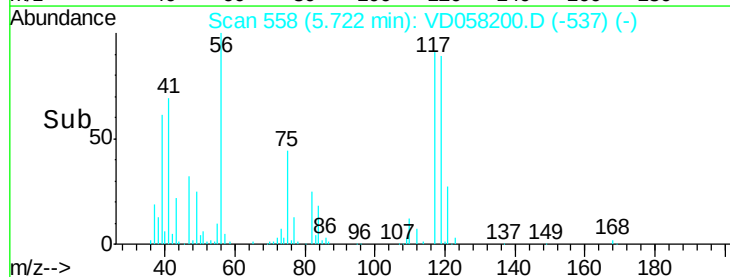
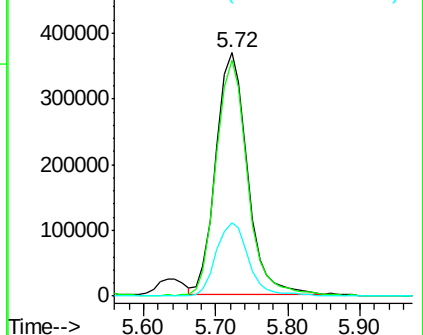


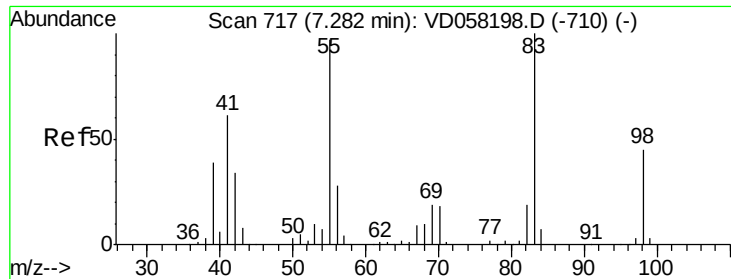
#38
Carbon Tetrachloride
Concen: 89.18 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 117 Resp: 1113624
Ion Ratio Lower Upper
117 100
119 97.1 78.8 118.2
121 29.9 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

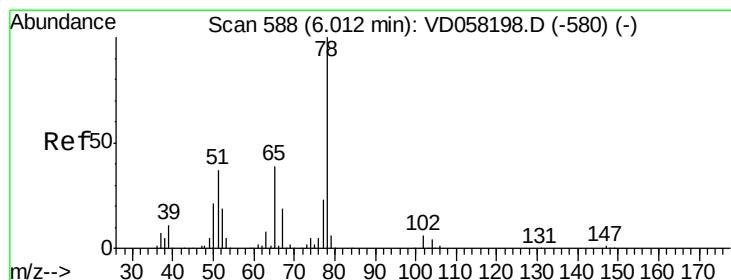
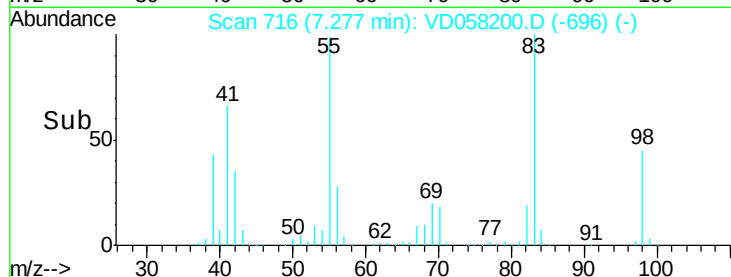
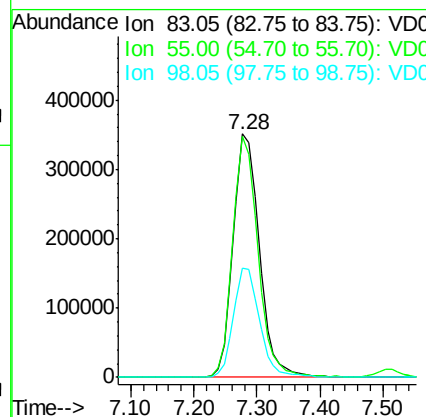
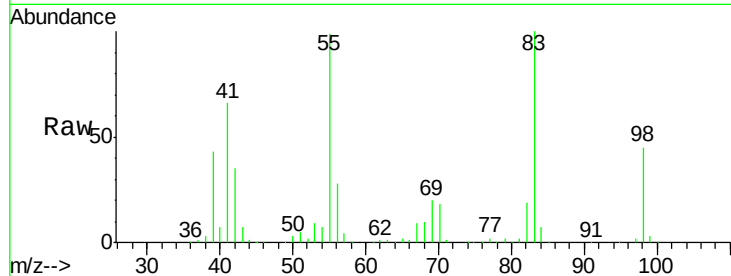




#39
Methylvlcyclohexane
Concen: 81.51 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

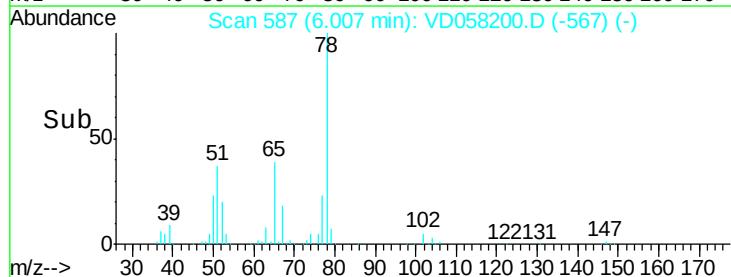
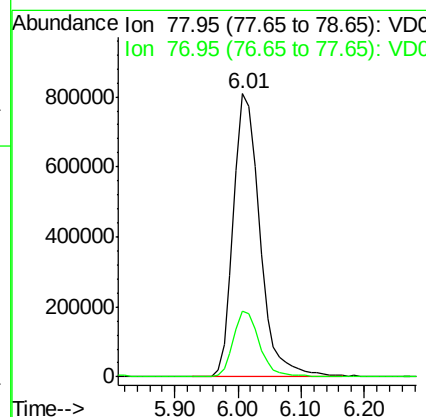
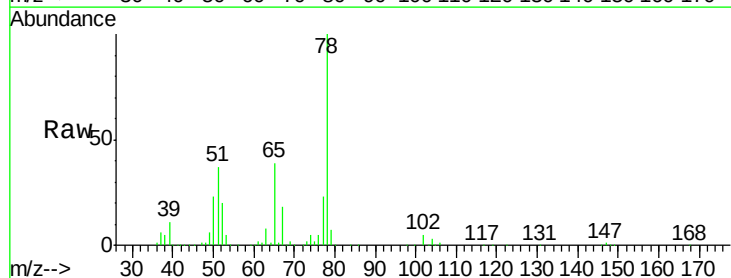
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

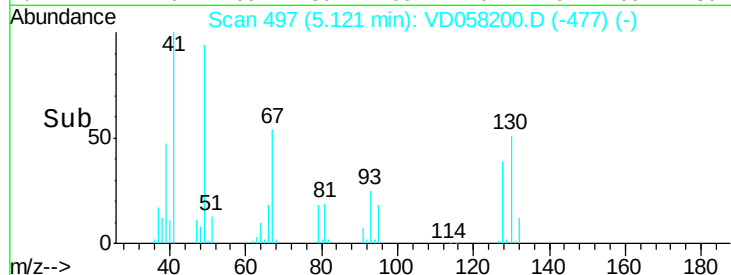
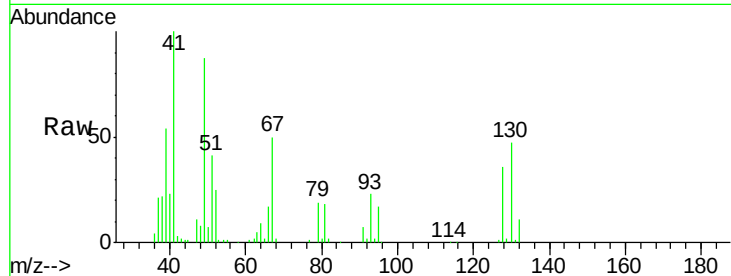
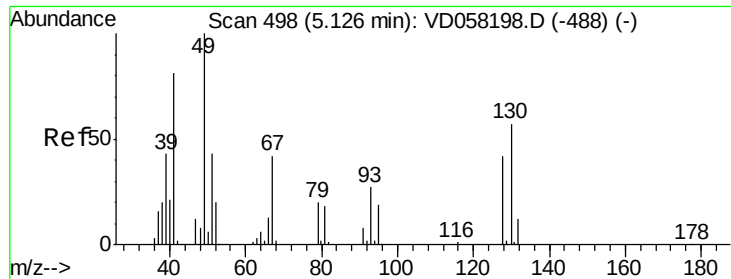
Tot Ion: 83 Resp: 1012544
Ion Ratio Lower Upper
83 100
55 98.9 77.4 116.2
98 45.0 35.9 53.9



#40
Benzene
Concen: 80.03 ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 78 Resp: 2361792
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

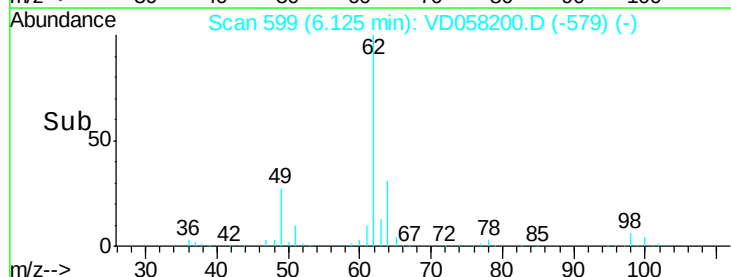
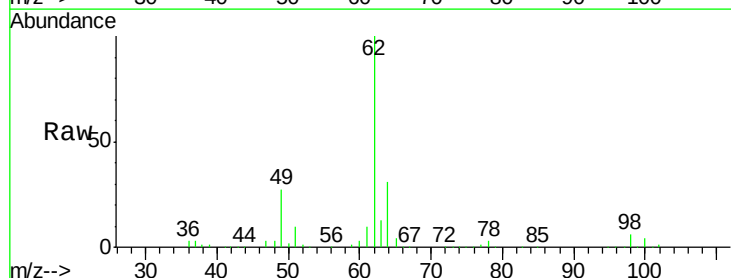
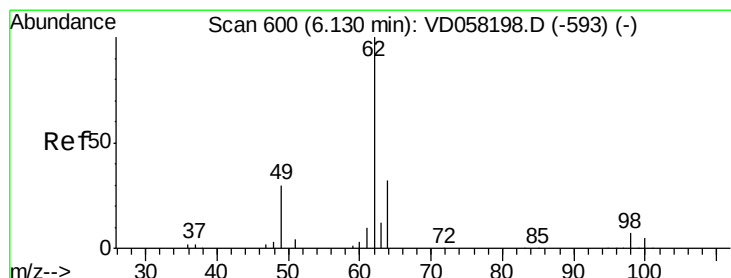
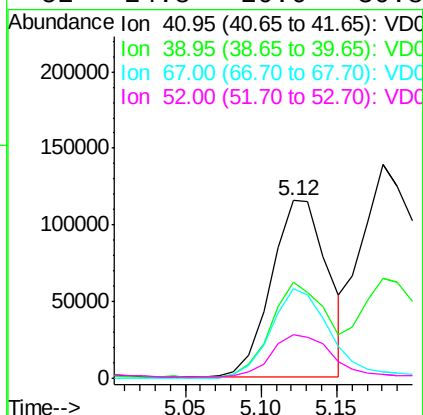




#41
Methacrylonitrile
Concen: 93.96 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

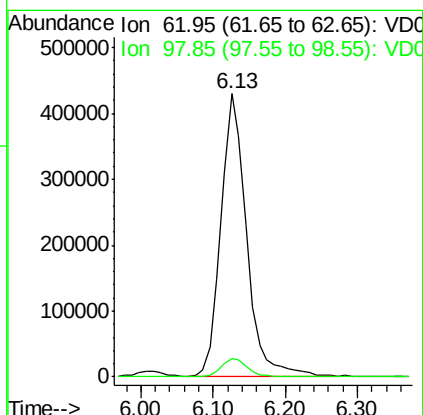
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

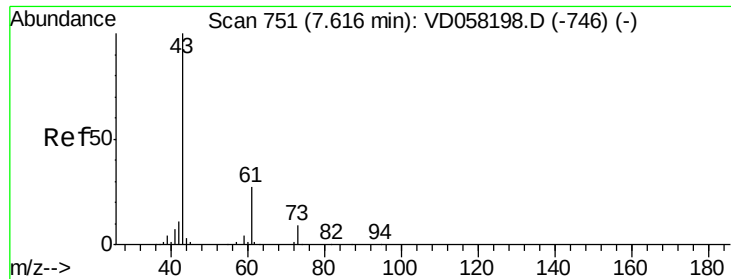
Tot Ion: 41 Resp: 300441
Ion Ratio Lower Upper
41 100
39 54.3 43.4 65.2
67 50.4 41.7 62.5
52 24.8 20.6 30.8



#42
1,2-Dichloroethane
Concen: 88.29 ug/l
RT: 6.13 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 62 Resp: 1056736
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2





#43

Isopropyl Acetate

Concen: 92.39 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

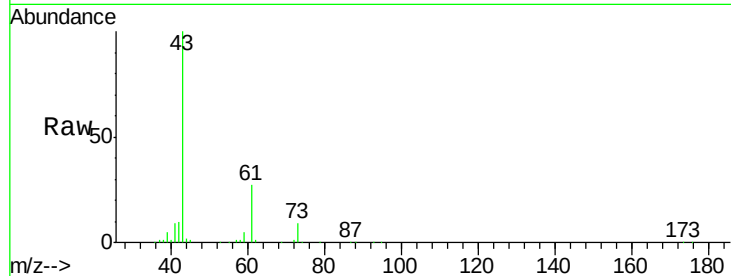
Tot Ion: 43 Resp: 852941

Ion Ratio Lower Upper

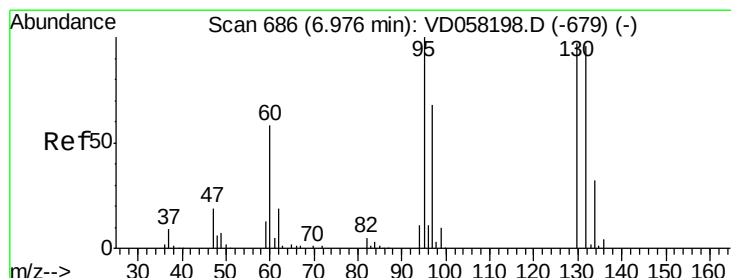
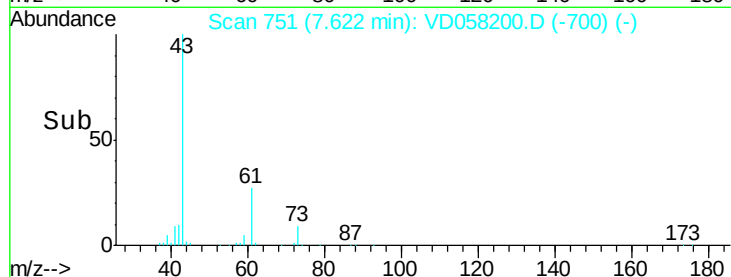
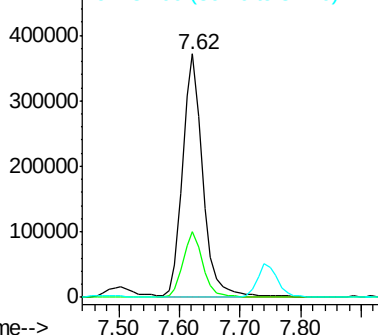
43 100

61 27.0 21.8 32.6

87 0.3 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: 87.48 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD058200.D

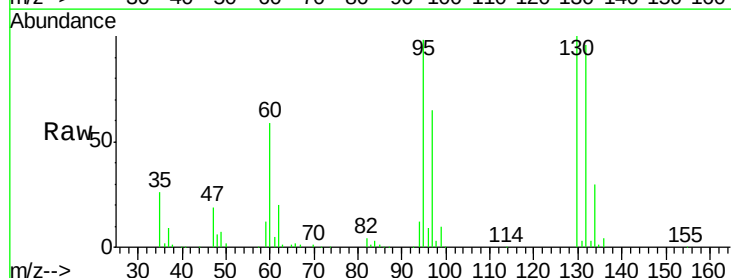
Acq: 19 Jun 2018 18:13

Tgt Ion:130 Resp: 754417

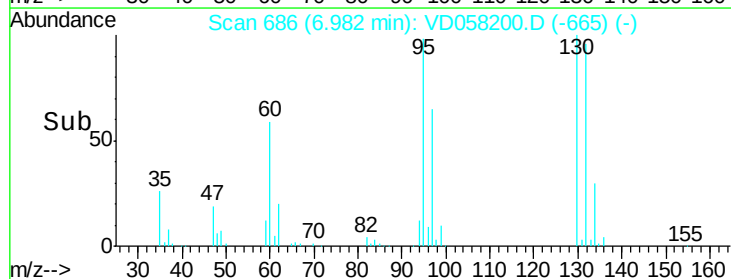
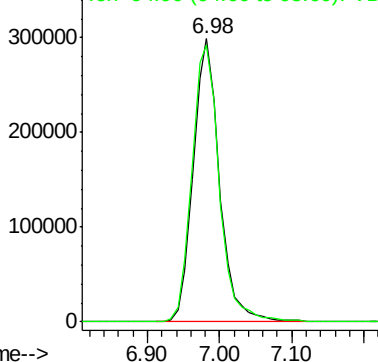
Ion Ratio Lower Upper

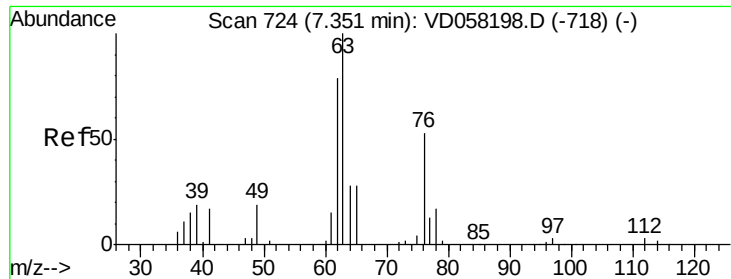
130 100

95 98.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

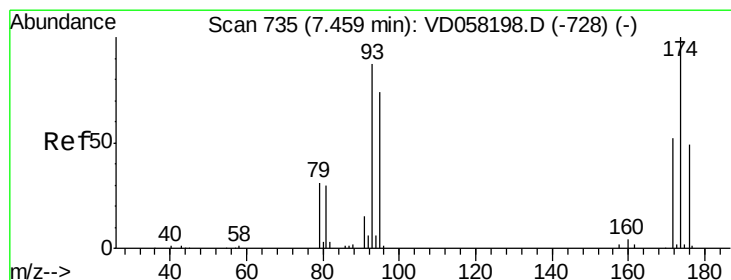
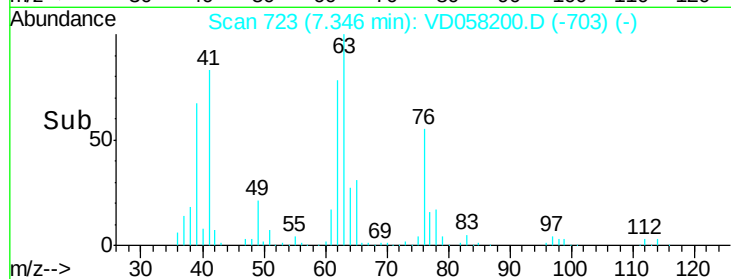
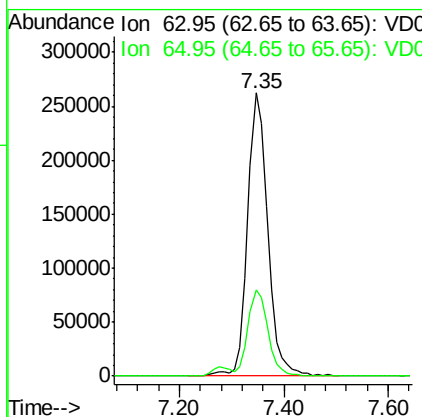
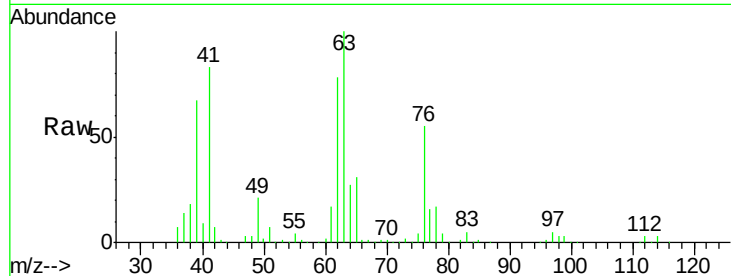




#45
 1,2-Dichloropropane
 Concen: 82.94 ug/l
 RT: 7.35 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

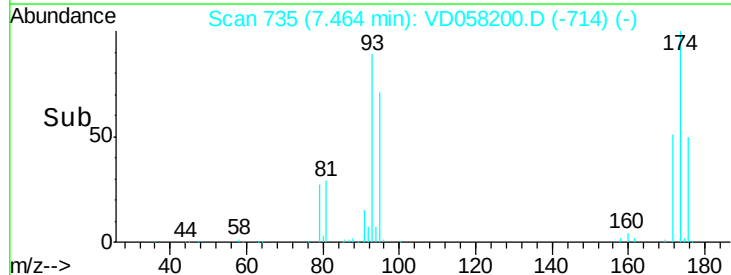
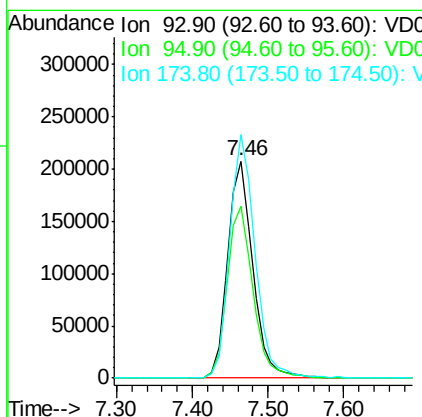
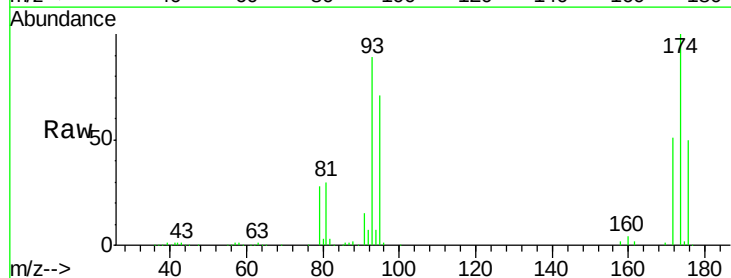
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

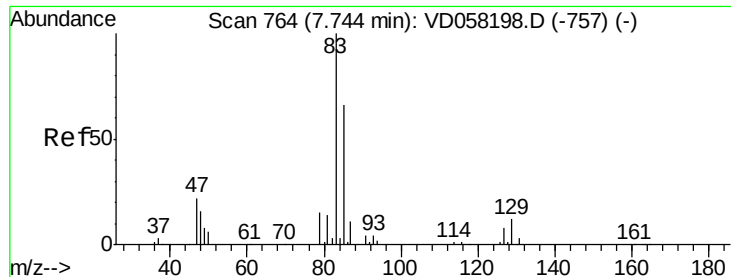
Tot Ion: 63 Resp: 680142
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.0 36.0



#46
 Dibromomethane
 Concen: 89.05 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 93 Resp: 476059
 Ion Ratio Lower Upper
 93 100
 95 79.6 67.8 101.6
 174 112.3 92.2 138.2





#47

Bromodichloromethane

Concen: 92.29 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

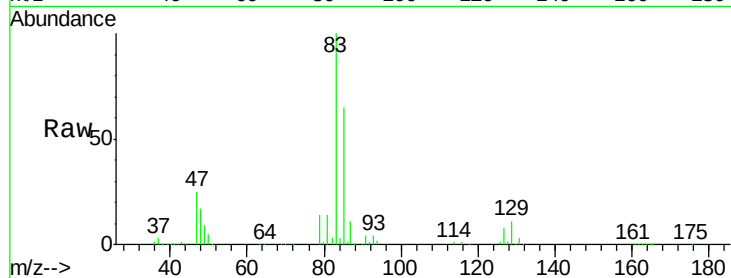
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1137327

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8
127	8.1	6.2	9.4

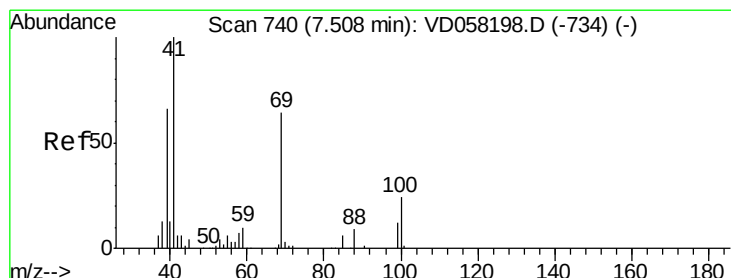
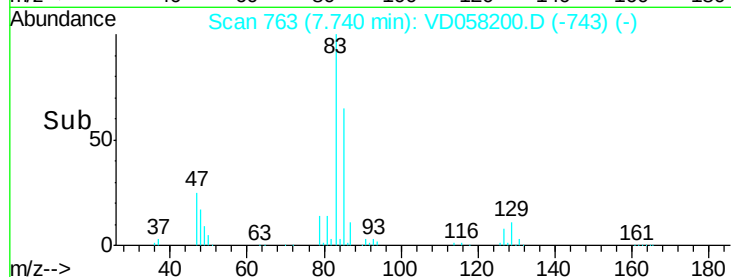
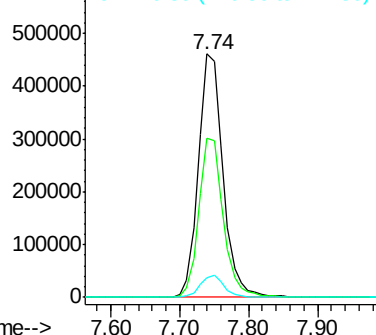


Abundance

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: 88.90 ug/l

RT: 7.50 min Scan# 739

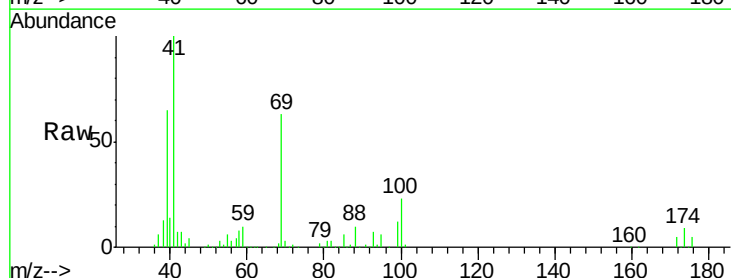
Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Tgt Ion: 41 Resp: 502987

Ion	Ratio	Lower	Upper
41	100		
69	63.1	50.7	76.1
39	65.5	52.6	78.8

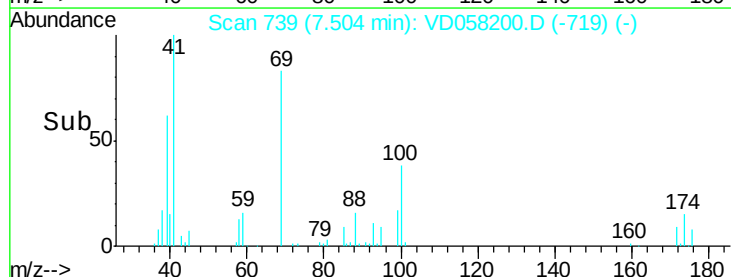
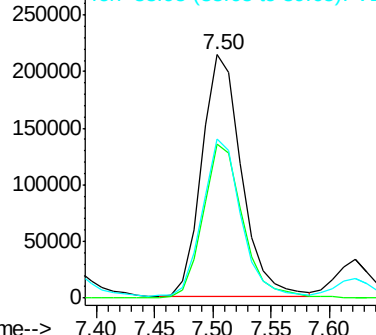


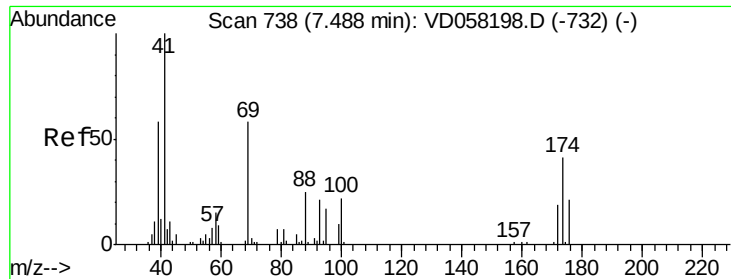
Abundance

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

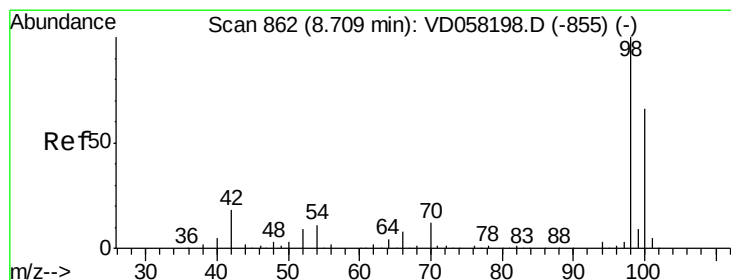
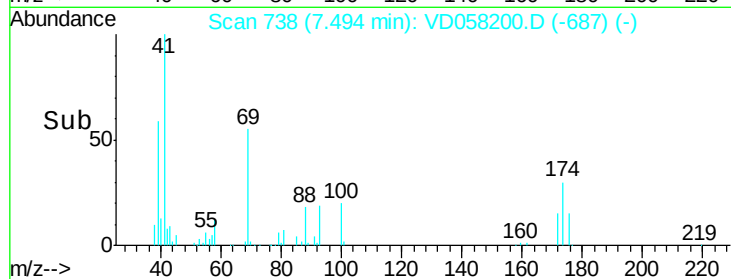
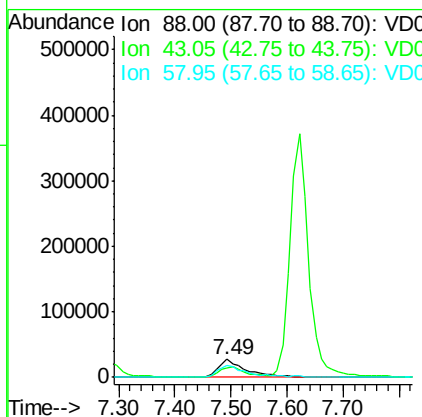
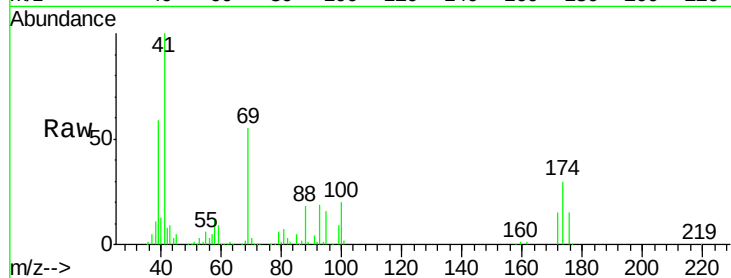




#49
1,4-Dioxane
Concen: 2020.47 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

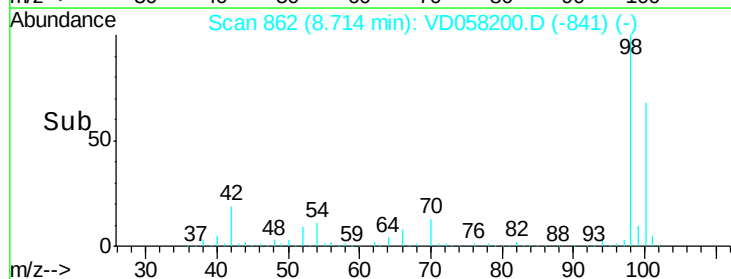
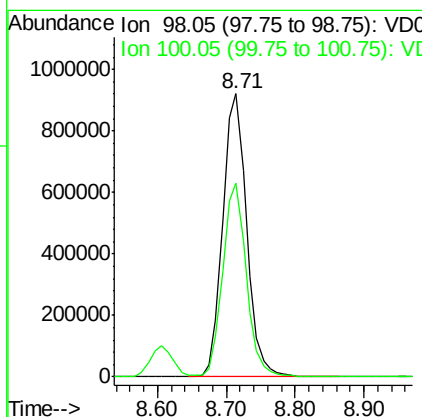
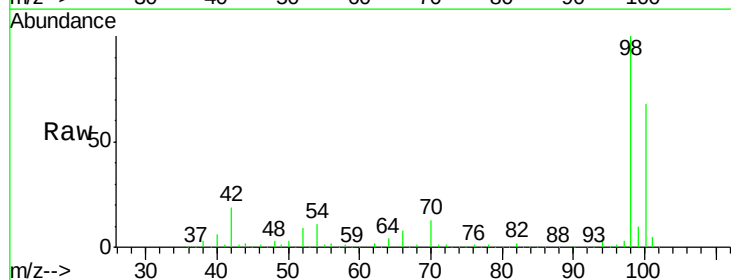
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

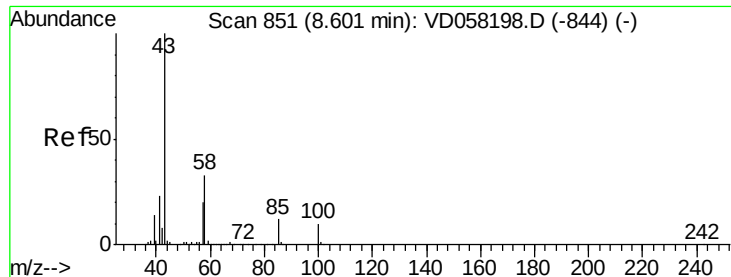
Tot Ion: 88 Resp: 97811
Ion Ratio Lower Upper
88 100
43 51.5 34.2 51.2#
58 65.0 47.9 71.9



#50
Toluene-d8
Concen: 2020.47 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 98 Resp: 2220143
Ion Ratio Lower Upper
98 100
100 68.3 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 434.26 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

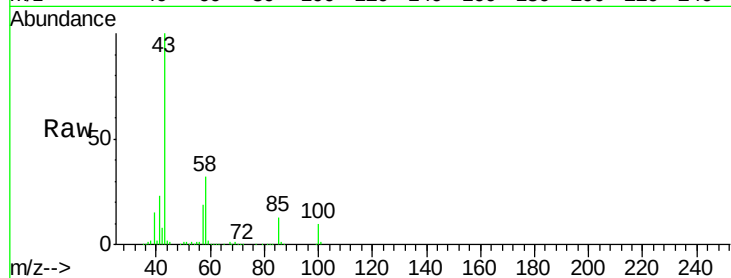
VSTDIC100

Tot Ion: 43 Resp: 2574262

Ion Ratio Lower Upper

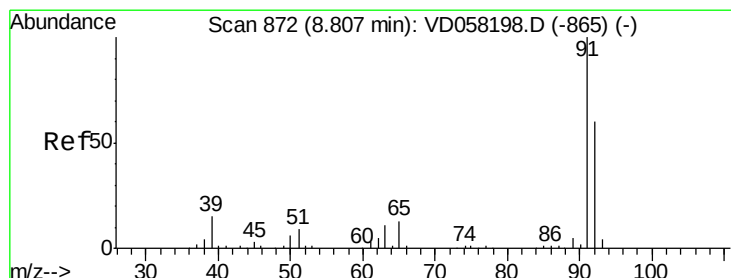
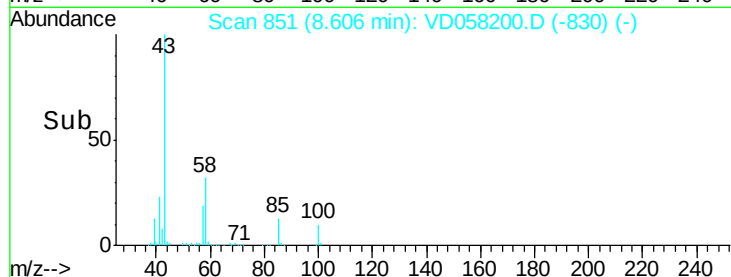
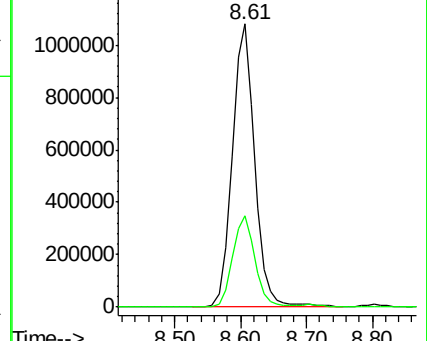
43 100

58 32.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 81.74 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058200.D

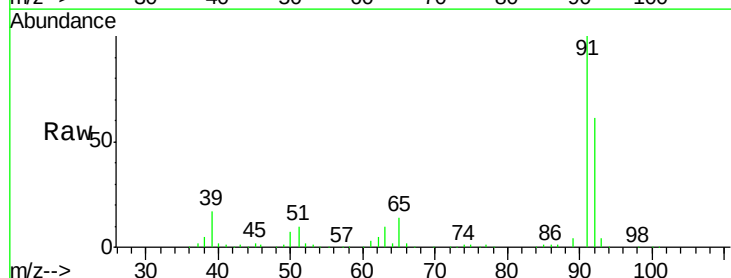
Acq: 19 Jun 2018 18:13

Tgt Ion: 92 Resp: 1385779

Ion Ratio Lower Upper

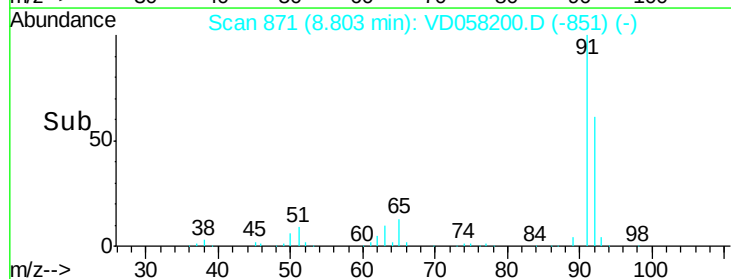
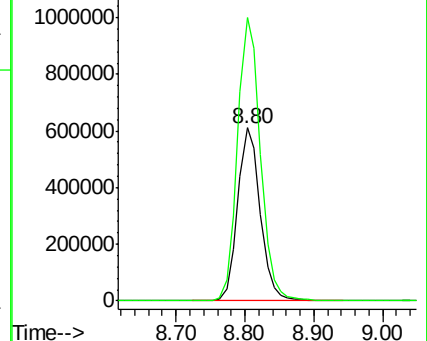
92 100

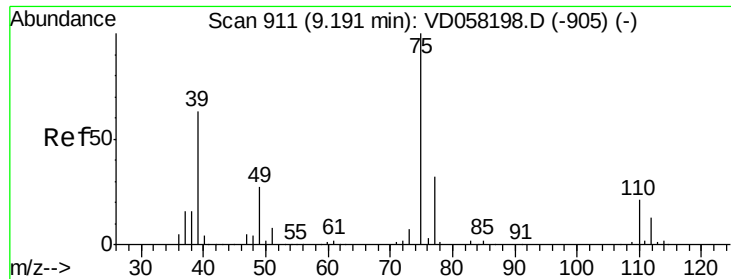
91 163.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 90.73 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

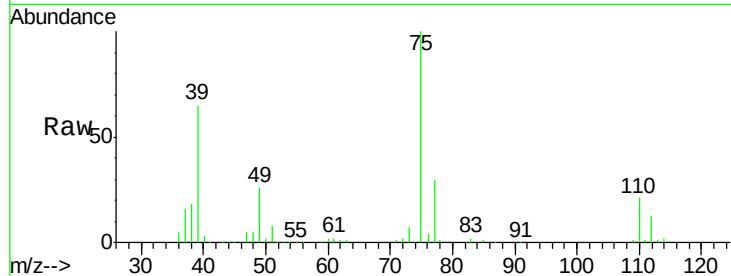
VSTDIC100

Tot Ion: 75 Resp: 973100

Ion Ratio Lower Upper

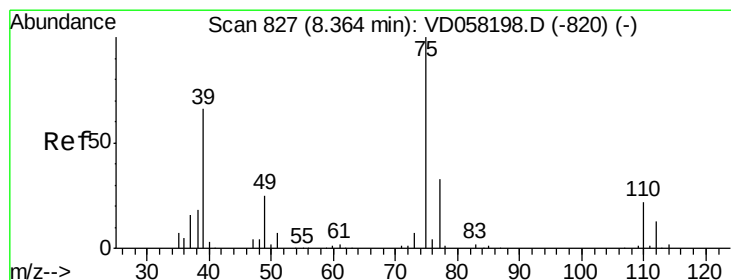
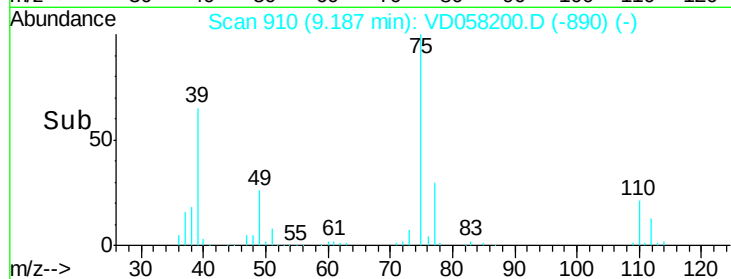
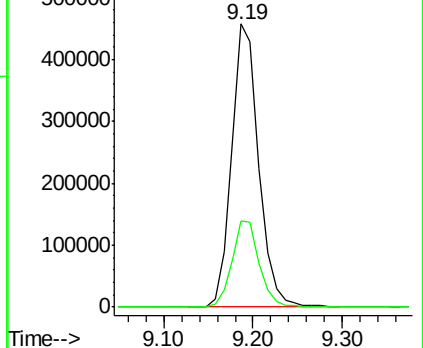
75 100

77 30.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 86.98 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

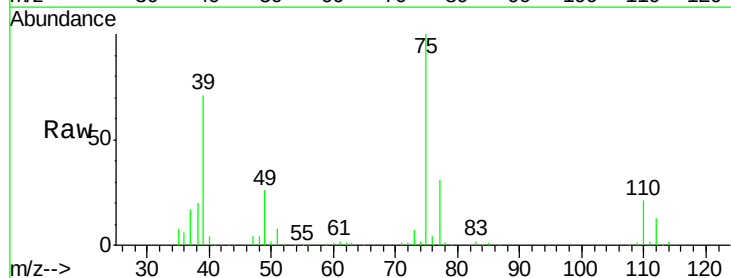
Tgt Ion: 75 Resp: 1095955

Ion Ratio Lower Upper

75 100

77 31.4 26.5 39.7

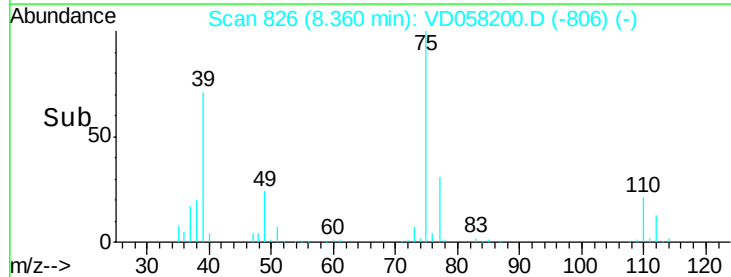
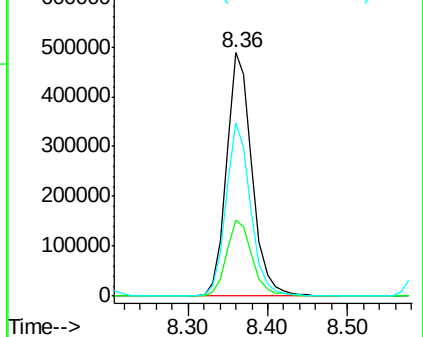
39 71.4 52.9 79.3

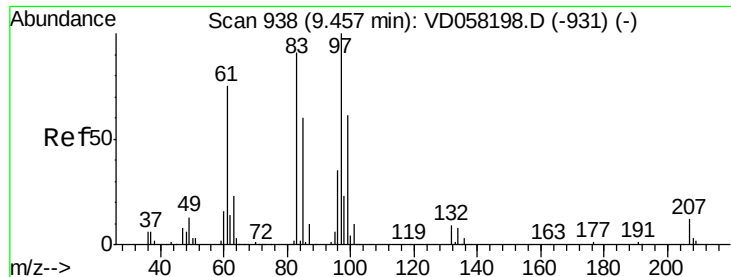


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

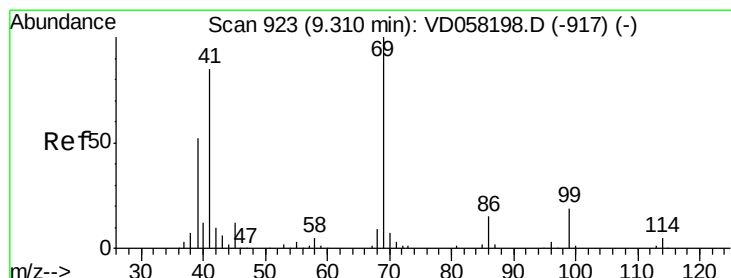
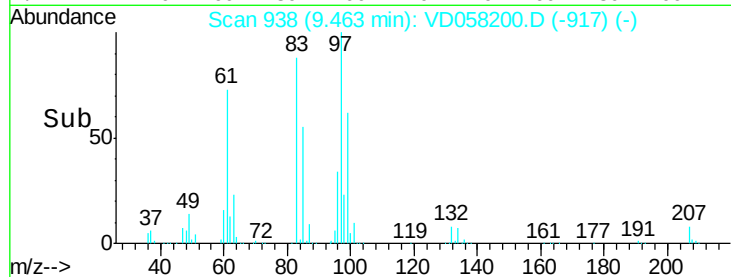
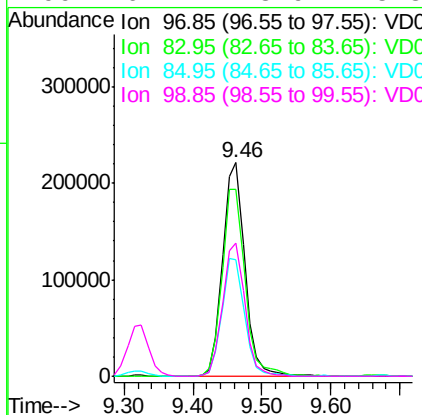
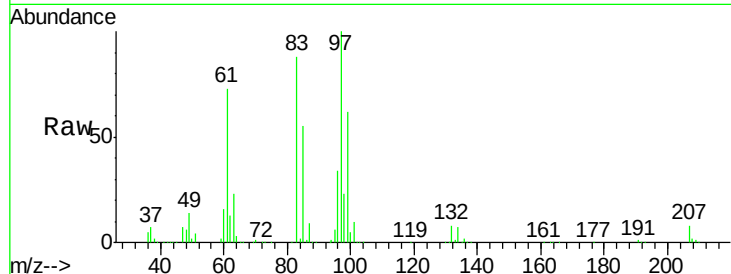




#55
 1,1,2-Trichloroethane
 Concen: 88.53 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

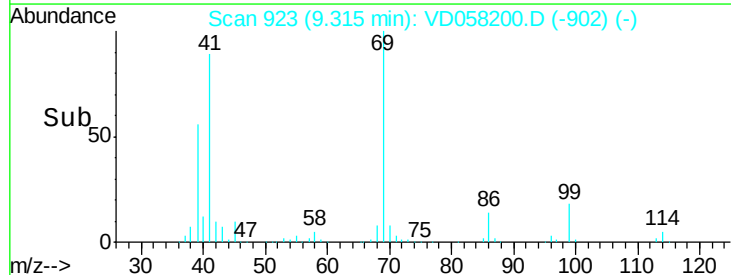
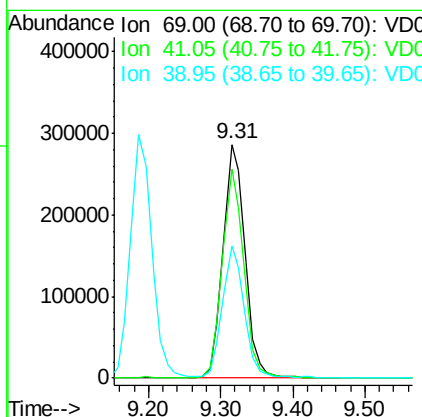
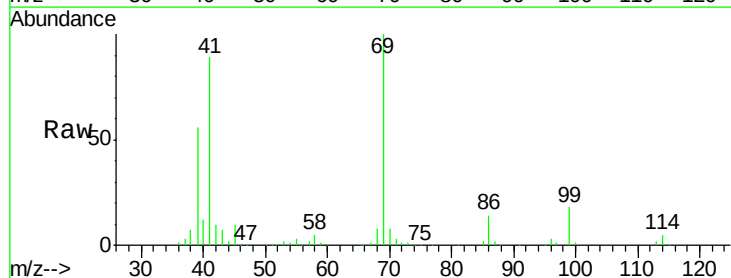
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

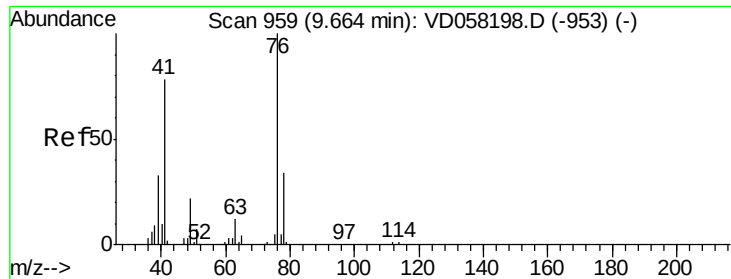
Tot Ion: 97 Resp: 494937
 Ion Ratio Lower Upper
 97 100
 83 87.6 72.9 109.3
 85 54.8 48.2 72.4
 99 62.2 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 88.37 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 69 Resp: 606900
 Ion Ratio Lower Upper
 69 100
 41 89.4 67.6 101.4
 39 56.5 42.2 63.2





#57

1,3-Dichloropropane

Concen: 86.64 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

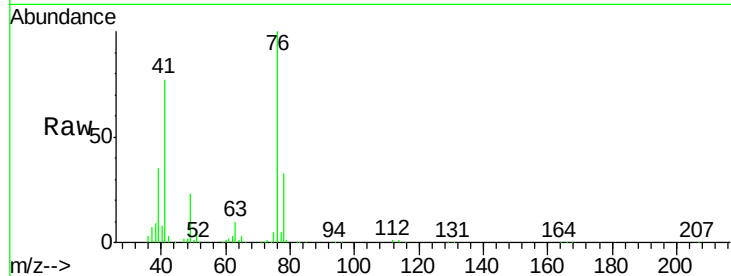
VSTDIC100

Tot Ion: 76 Resp: 839902

Ion Ratio Lower Upper

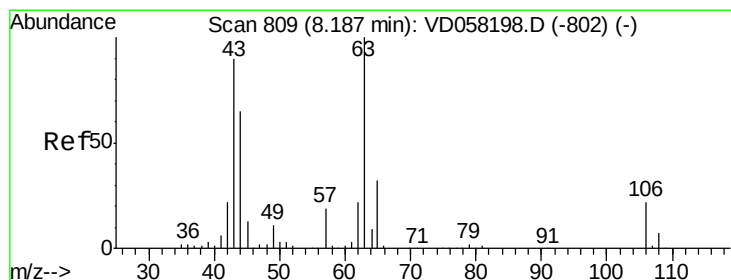
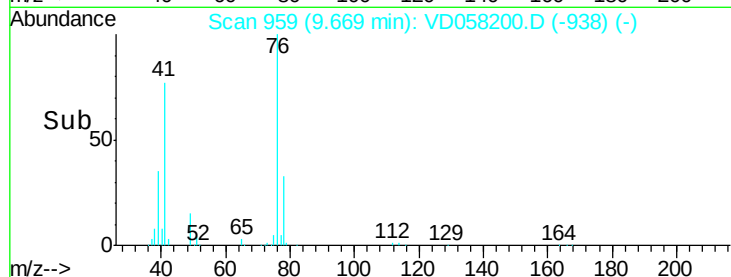
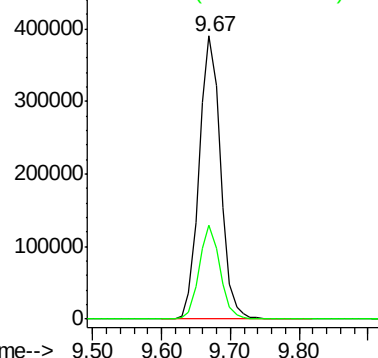
76 100

78 33.1 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 416.84 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD058200.D

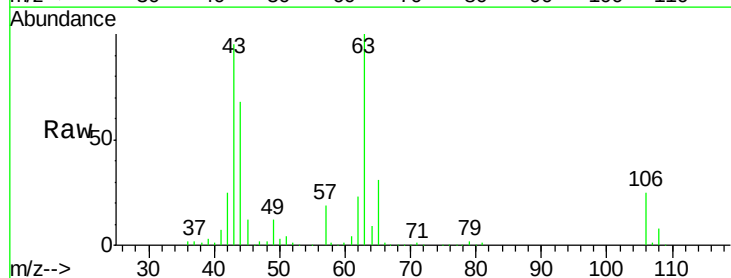
Acq: 19 Jun 2018 18:13

Tgt Ion: 63 Resp: 1451742

Ion Ratio Lower Upper

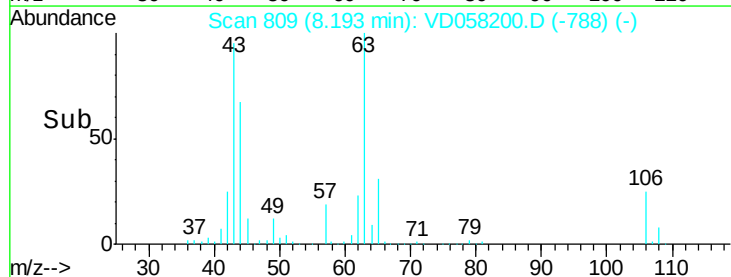
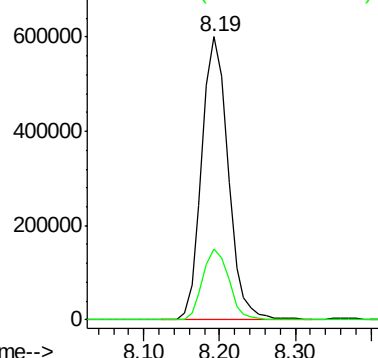
63 100

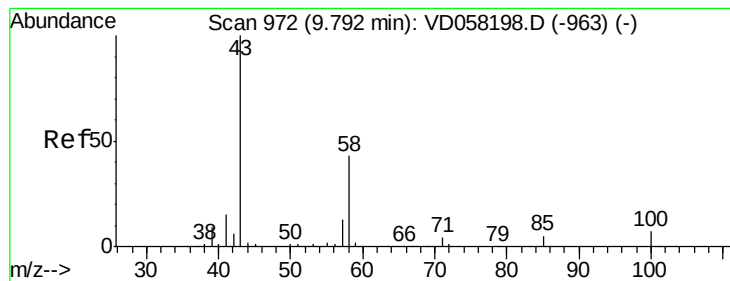
106 25.0 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 417.02 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

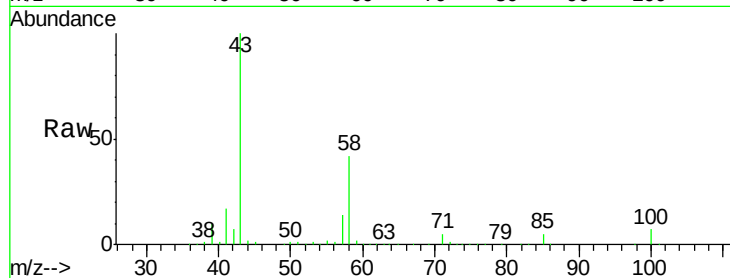
VSTDIC100

Tot Ion: 43 Resp: 1802473

Ion Ratio Lower Upper

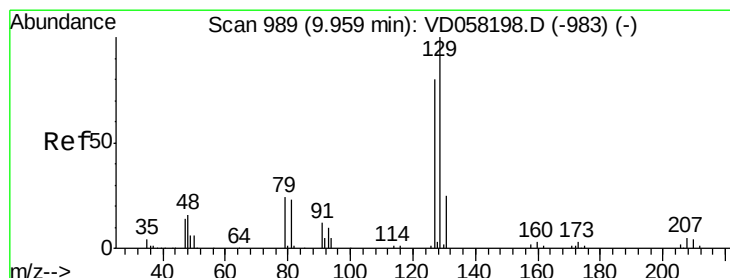
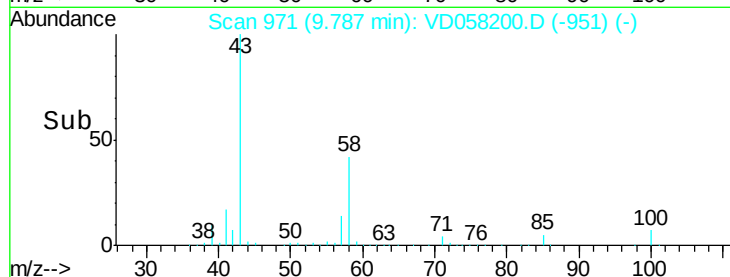
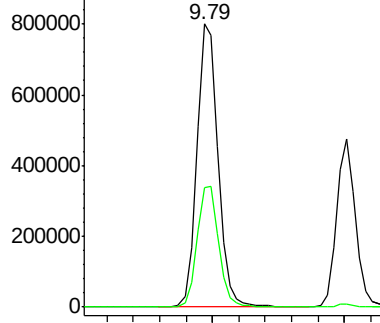
43 100

58 42.1 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 94.96 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD058200.D

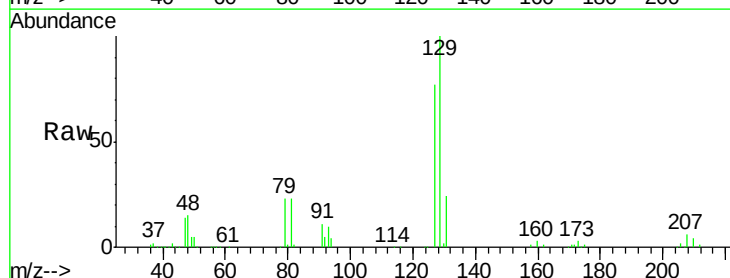
Acq: 19 Jun 2018 18:13

Tgt Ion:129 Resp: 744141

Ion Ratio Lower Upper

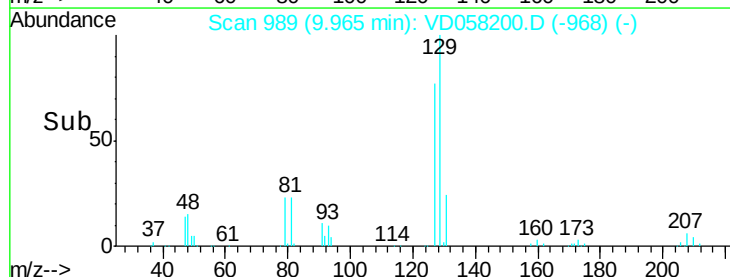
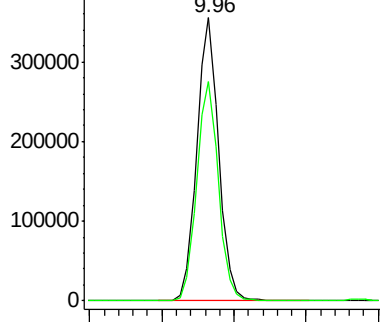
129 100

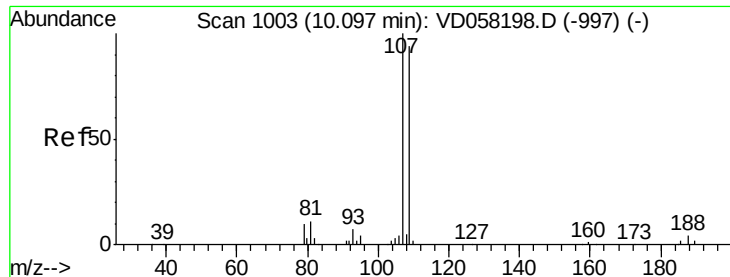
127 77.3 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

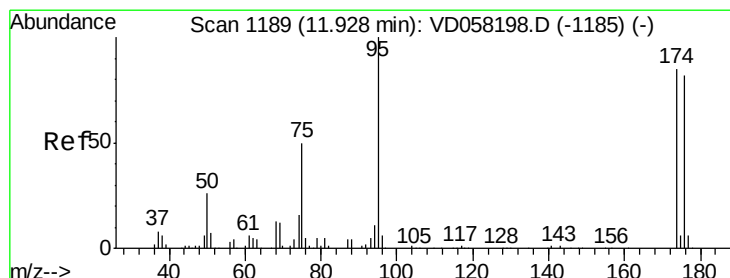
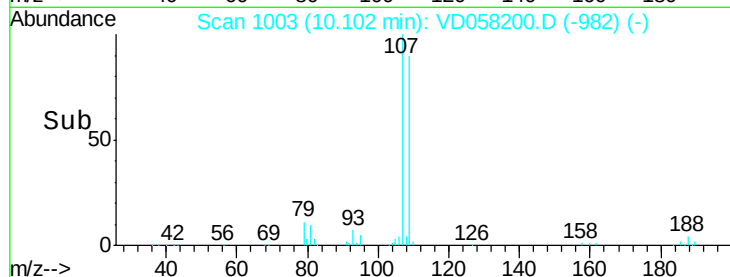
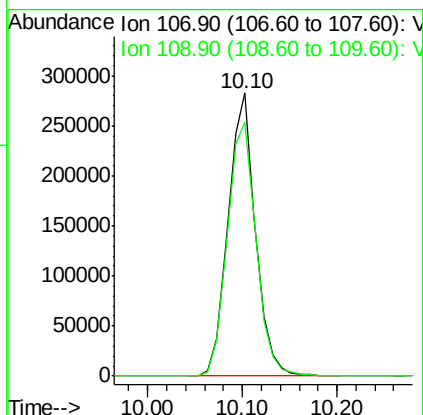
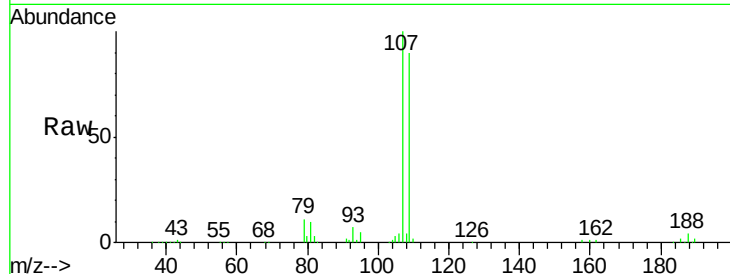




#61
 1,2-Dibromoethane
 Concen: 87.75 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

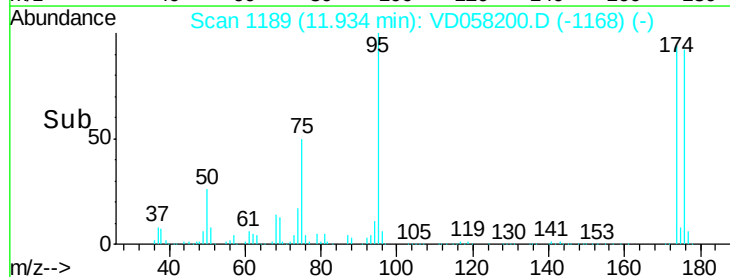
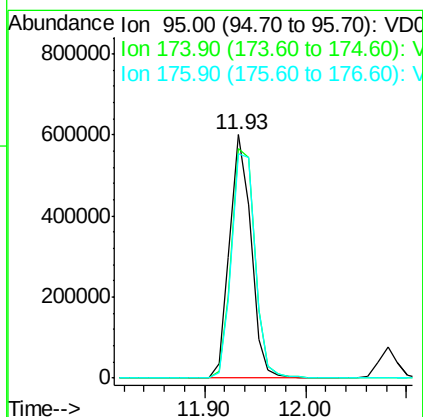
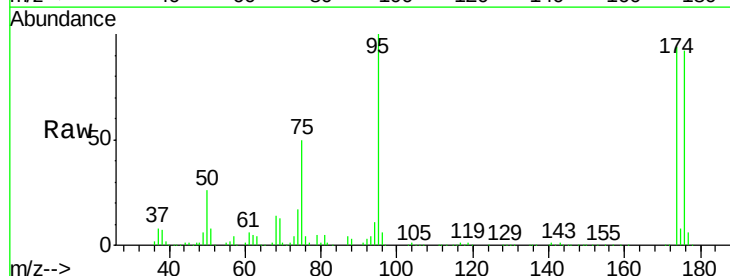
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

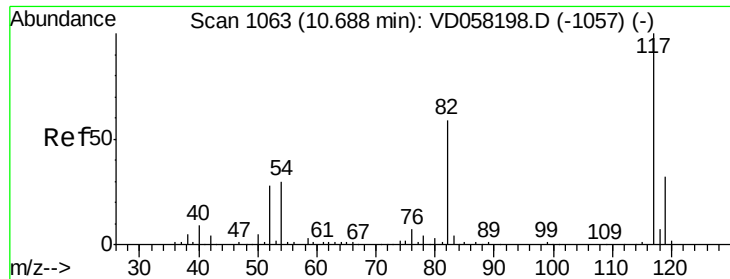
Tot Ion: 107 Resp: 563006
 Ion Ratio Lower Upper
 107 100
 109 89.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 87.75 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 95 Resp: 885844
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 170.2
 176 92.0 0.0 164.6

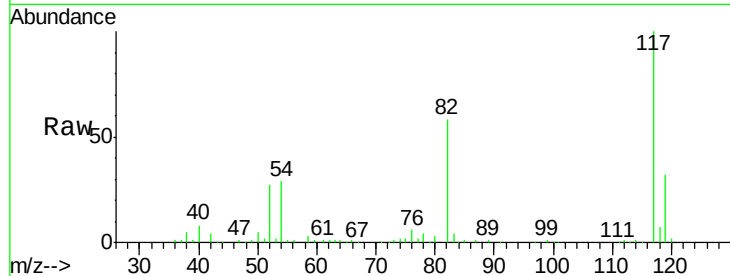




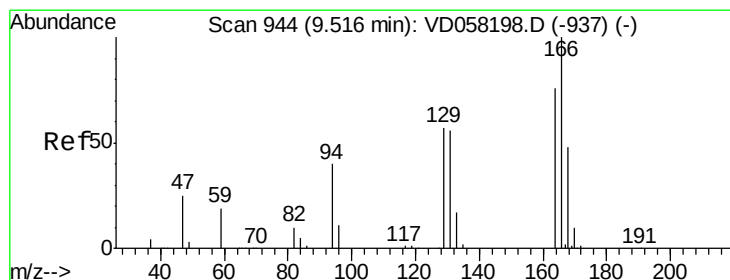
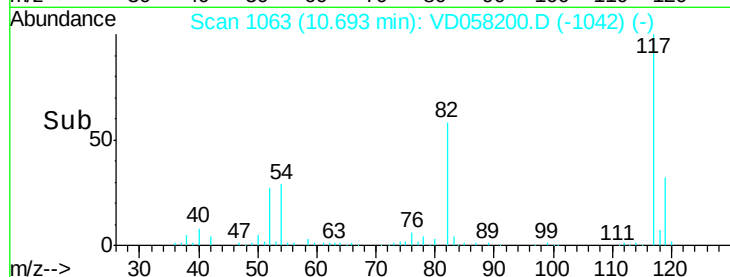
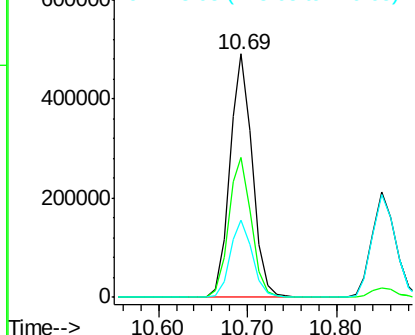
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 870477
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.6
119 31.7 25.3 37.9

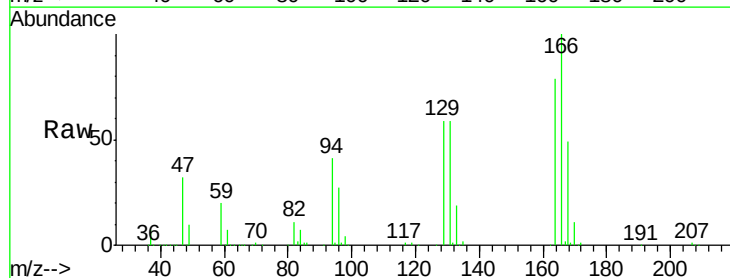


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

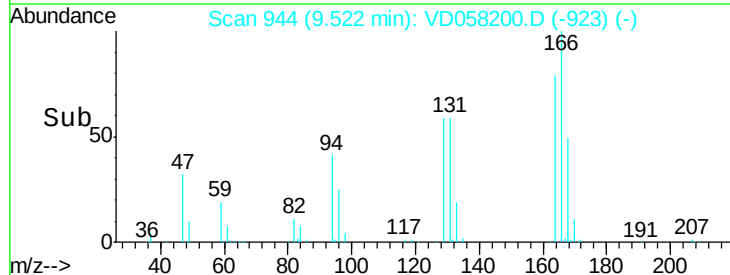
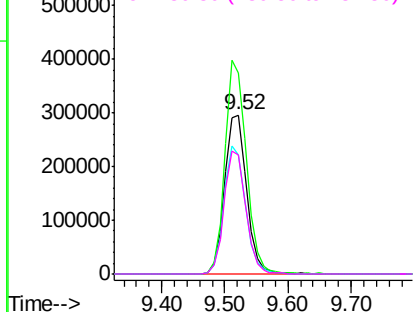


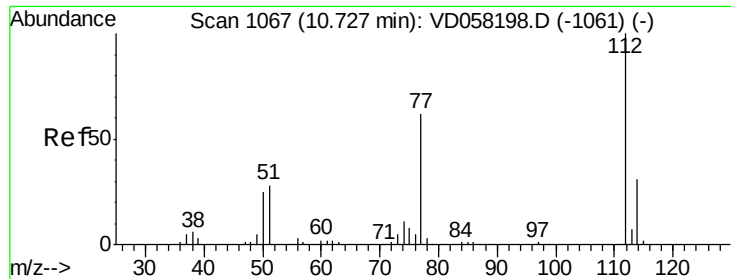
#64
Tetrachloroethene
Concen: 92.64 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion:164 Resp: 711838
Ion Ratio Lower Upper
164 100
166 126.6 105.4 158.0
129 75.0 59.6 89.4
131 75.2 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

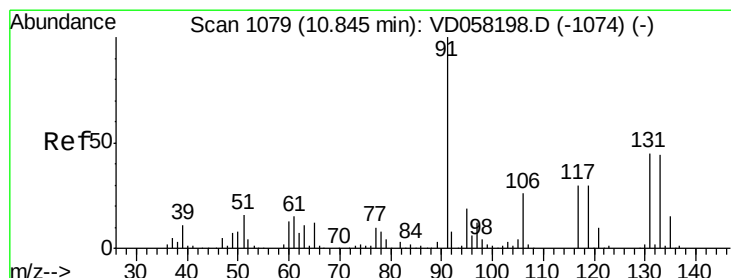
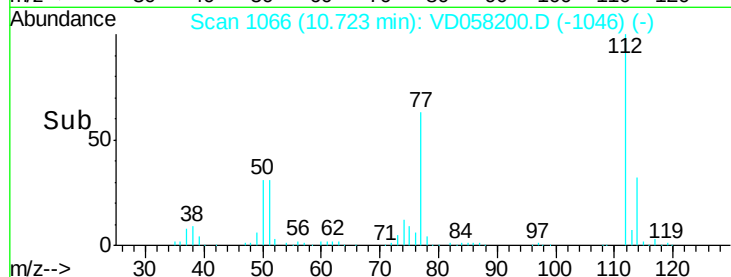
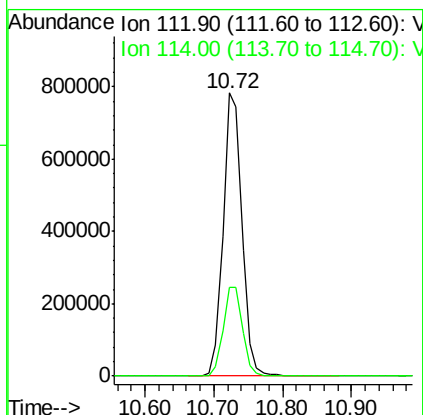
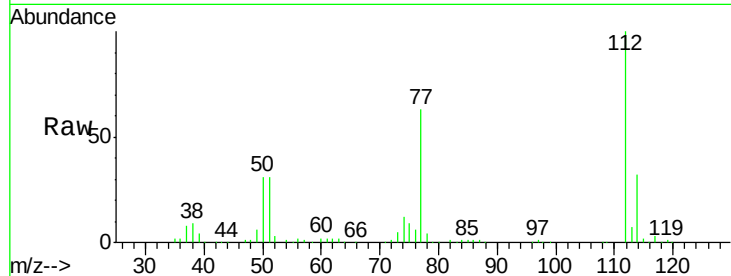




#65
Chlorobenzene
Concen: 85.21 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

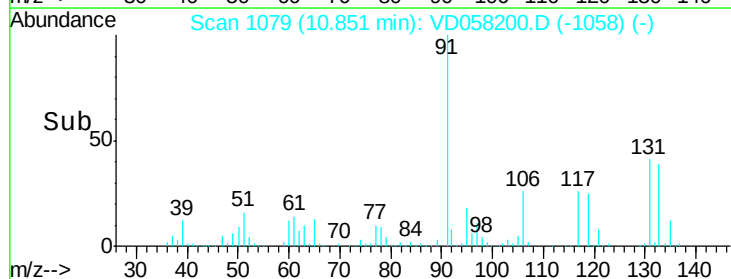
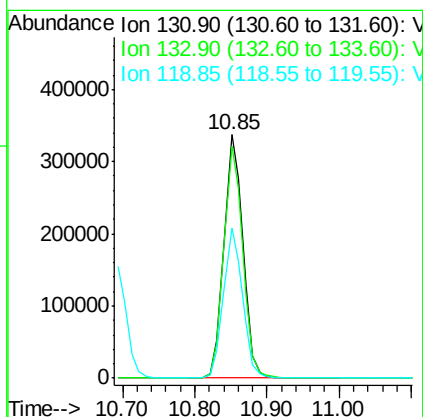
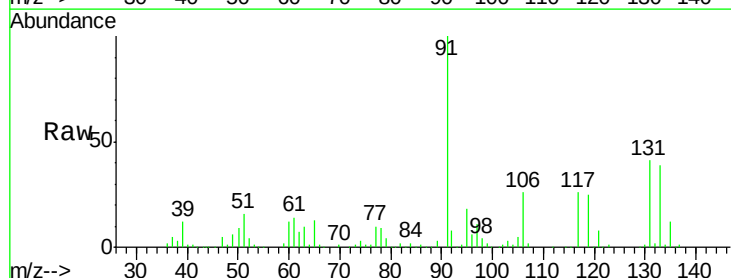
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

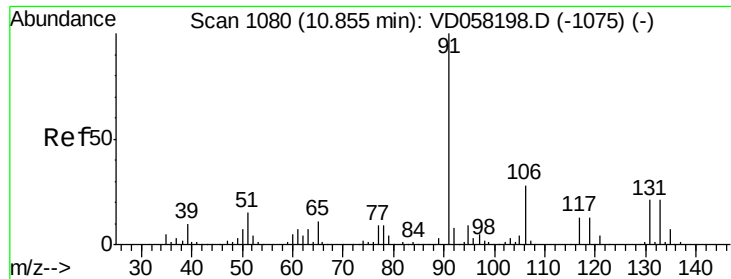
Tot Ion:112 Resp: 1473805
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 92.35 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion:131 Resp: 614802
Ion Ratio Lower Upper
131 100
133 95.3 48.6 145.9
119 61.7 33.0 99.0

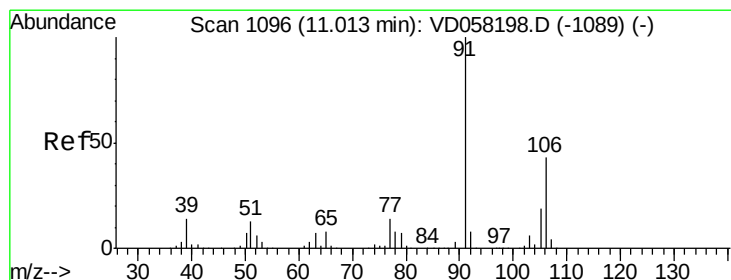
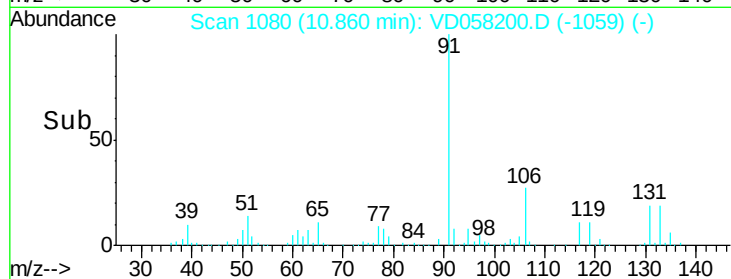
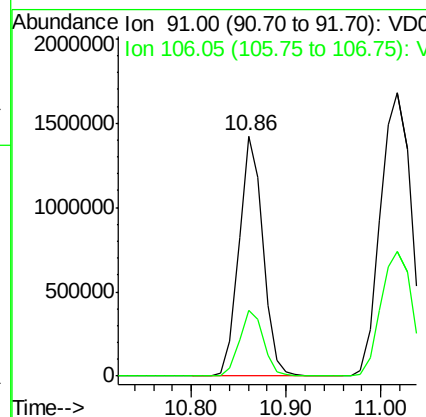
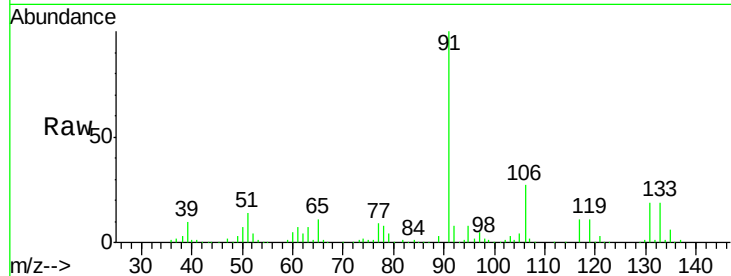




#67
Ethyl Benzene
Concen: 80.24 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

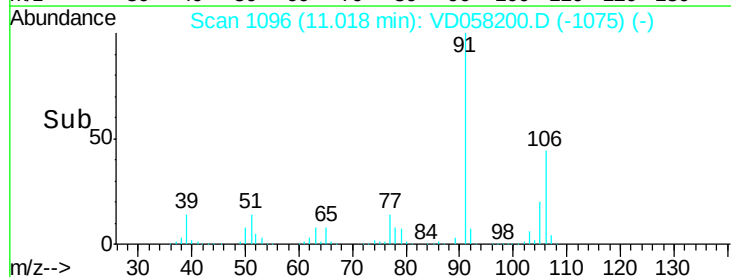
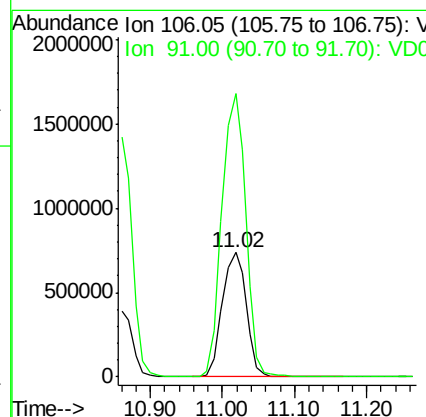
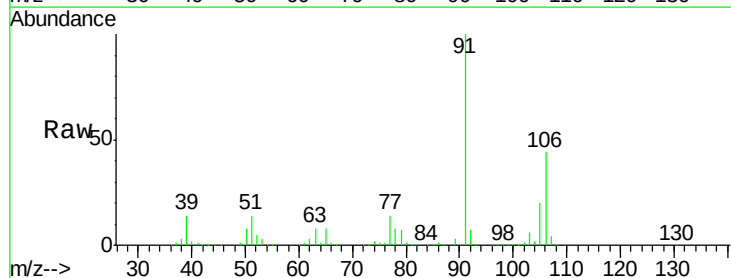
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

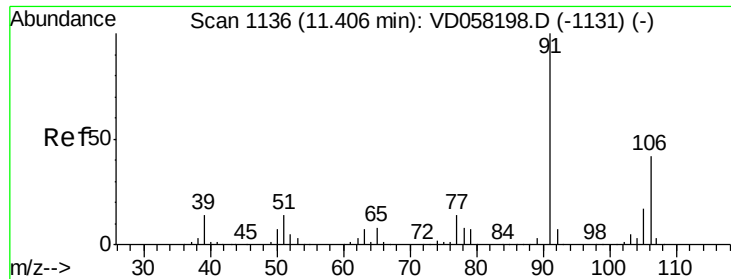
Tot Ion: 91 Resp: 2495362
Ion Ratio Lower Upper
91 100
106 27.4 22.0 33.0



#68
m/p-Xylenes
Concen: 164.95 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 106 Resp: 1681981
Ion Ratio Lower Upper
106 100
91 227.6 185.0 277.6

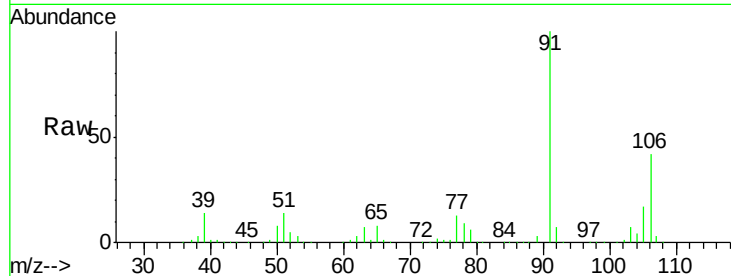




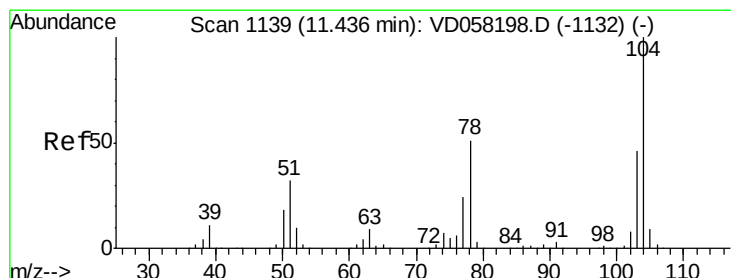
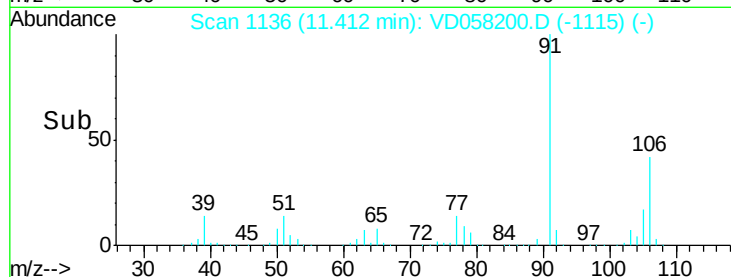
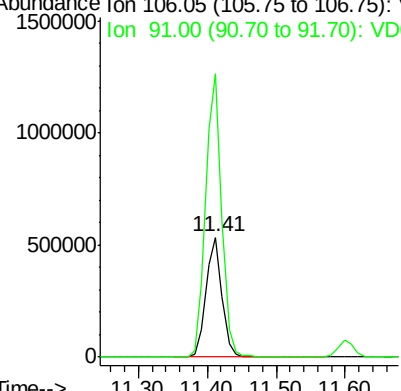
#69
o-Xylene
Concen: 85.14 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 852611
Ion Ratio Lower Upper
106 100
91 236.3 120.2 360.6

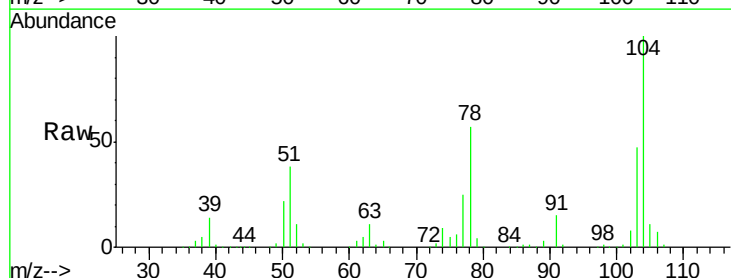


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

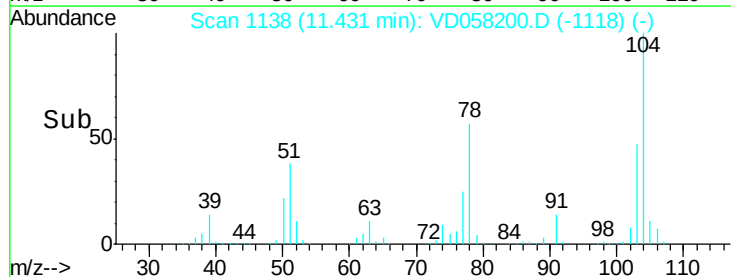
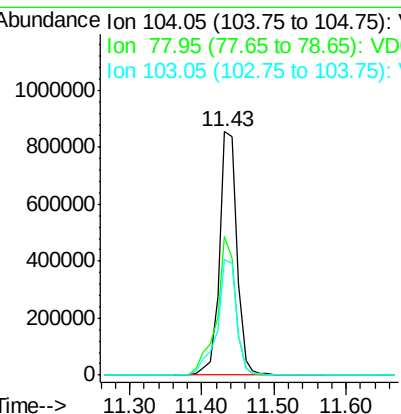


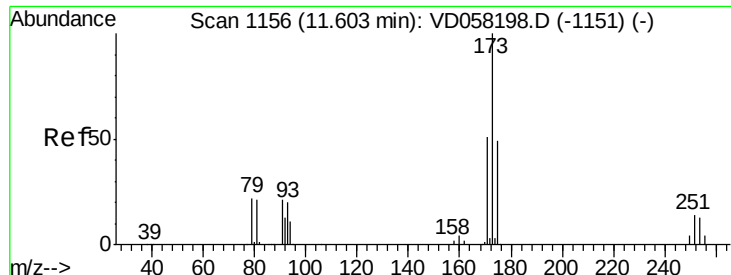
#70
Styrene
Concen: 86.87 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion:104 Resp: 1448776
Ion Ratio Lower Upper
104 100
78 56.8 40.8 61.2
103 47.4 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: 108.83 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

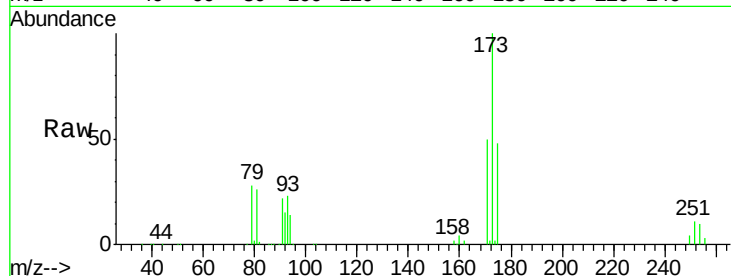
Tot Ion:173 Resp: 555679

Ion Ratio Lower Upper

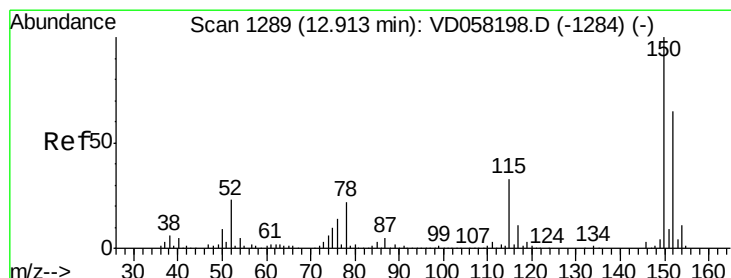
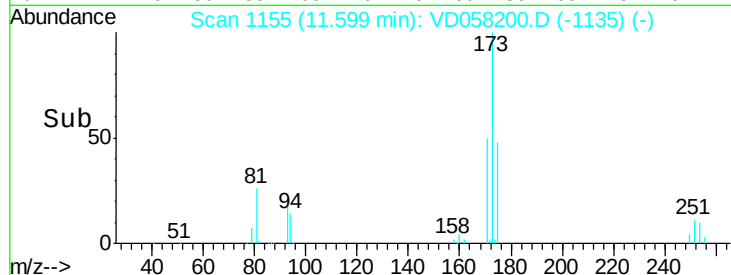
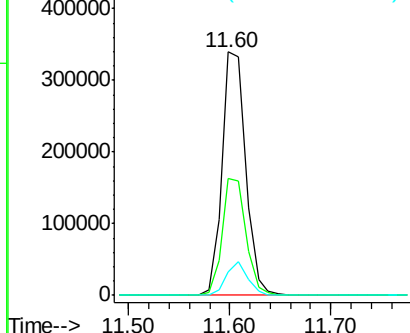
173 100

175 47.9 24.6 74.0

254 9.6 10.3 15.5#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

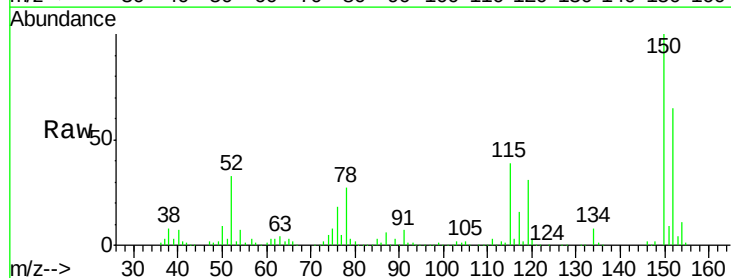
Tgt Ion:152 Resp: 499657

Ion Ratio Lower Upper

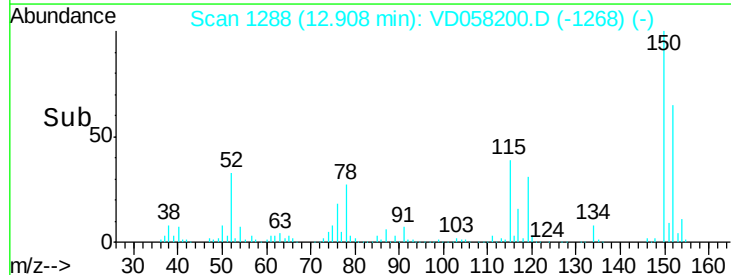
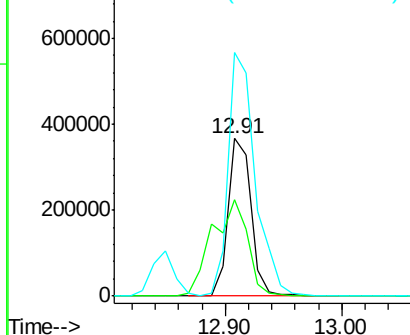
152 100

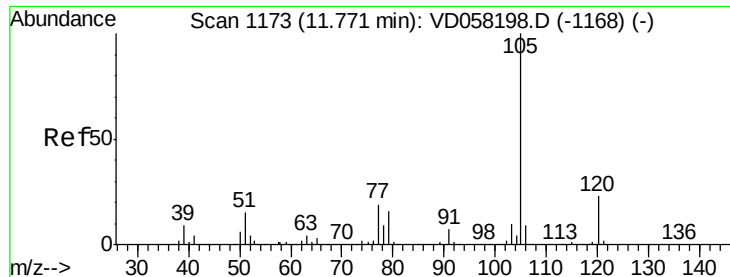
115 60.9 25.1 75.3

150 154.5 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

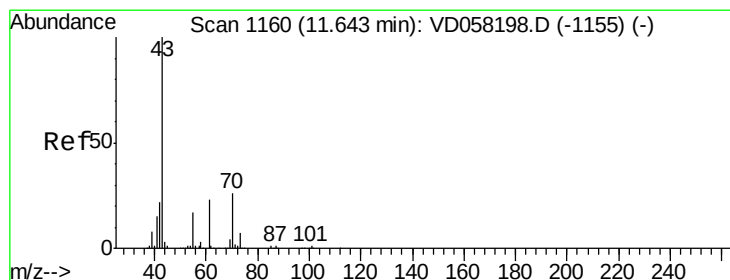
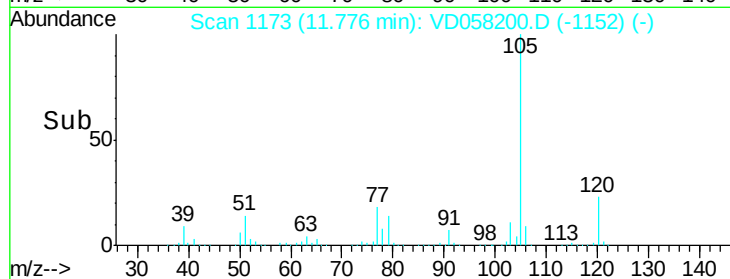
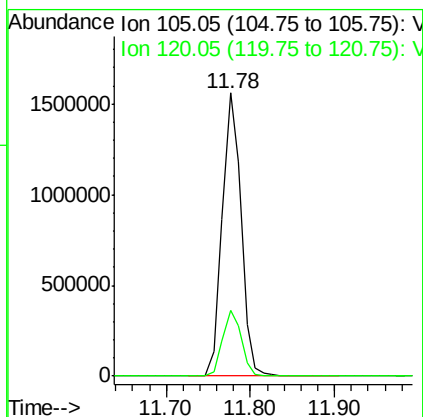
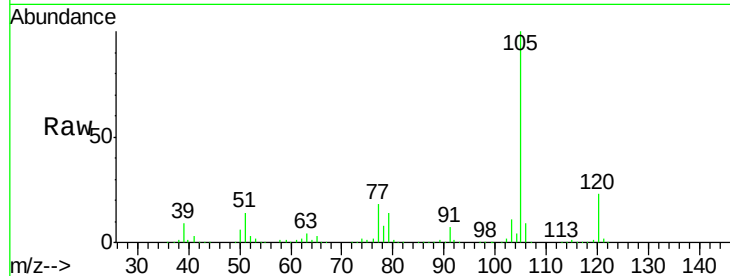




#73
Isopropylbenzene
Concen: 74.96 ug/l
RT: 11.78 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

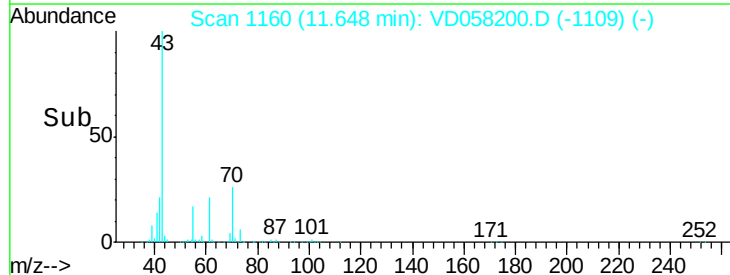
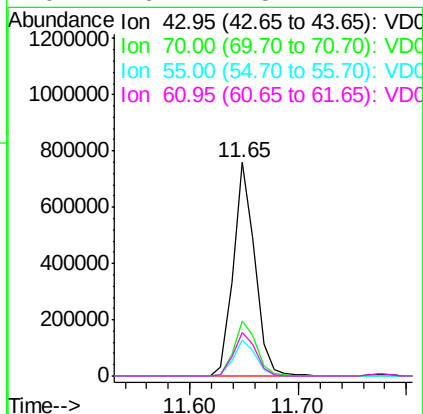
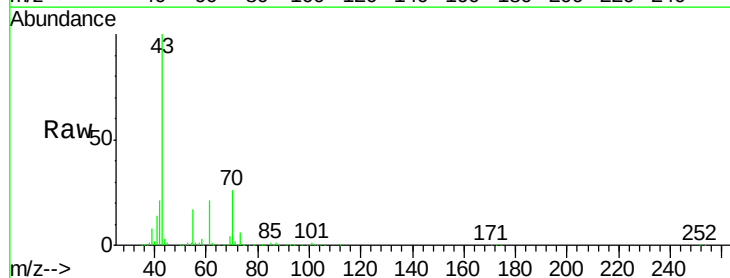
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

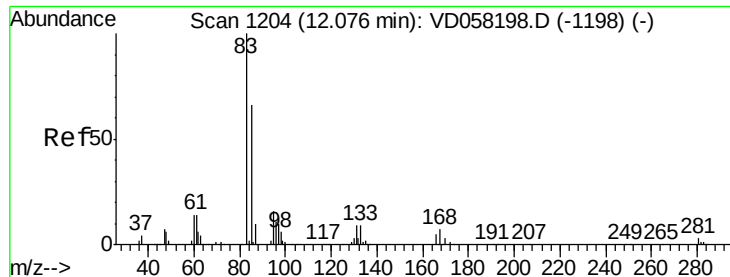
Tot Ion:105 Resp: 2431927
Ion Ratio Lower Upper
105 100
120 23.1 11.6 34.8



#74
N-ethyl acetate
Concen: 82.68 ug/l
RT: 11.65 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 43 Resp: 1051030
Ion Ratio Lower Upper
43 100
70 25.6 20.9 31.3
55 17.1 13.5 20.3
61 20.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 84.19 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

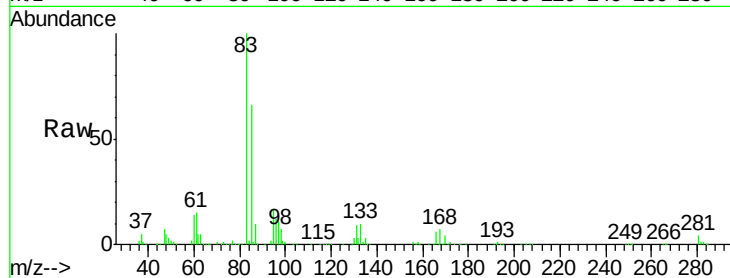
Tot Ion: 83 Resp: 610193

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	66.2	33.1	99.5

83 100

131 9.4 4.8 14.3

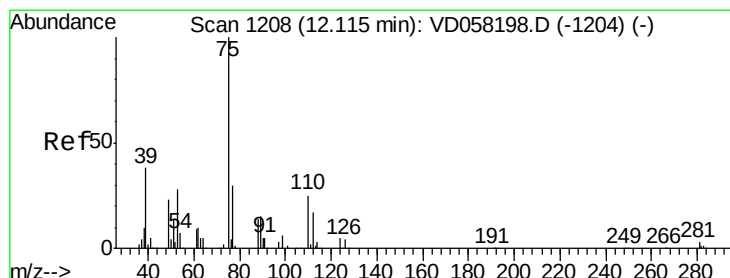
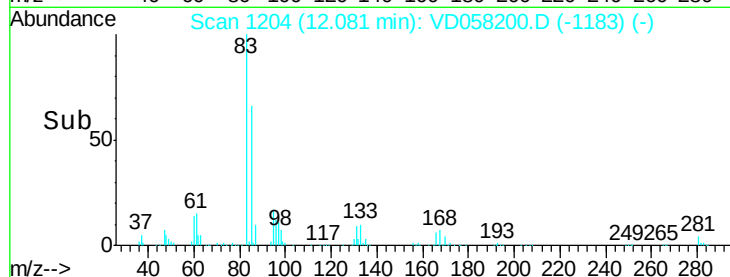
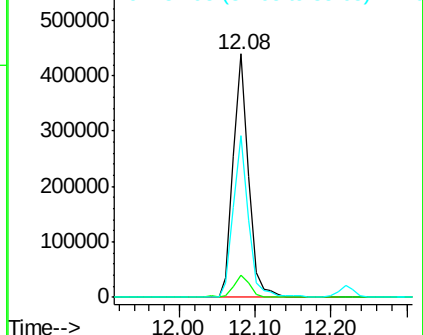
85 66.2 33.1 99.5



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: 83.45 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058200.D

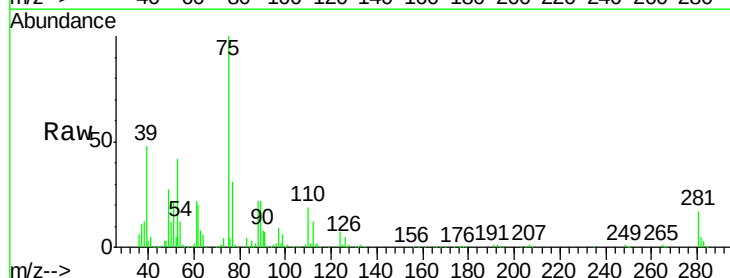
Acq: 19 Jun 2018 18:13

Tgt Ion: 75 Resp: 629448

Ion	Ratio	Lower	Upper
75	100		
77	31.3	16.0	47.9

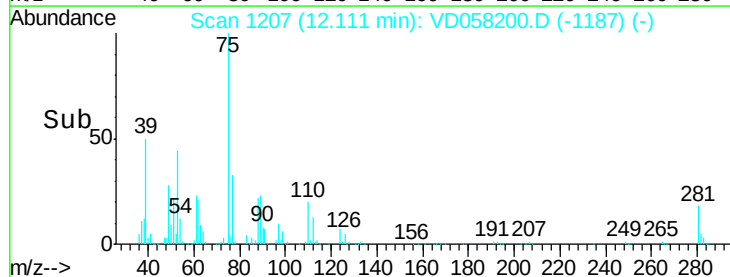
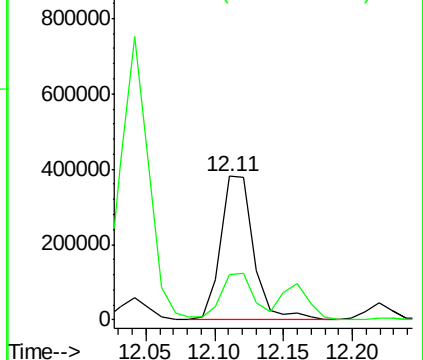
75 100

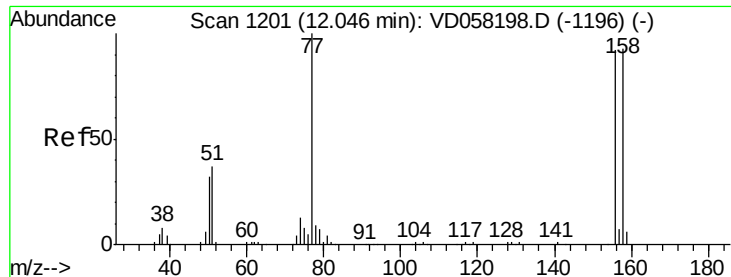
77 31.3 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 80.67 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

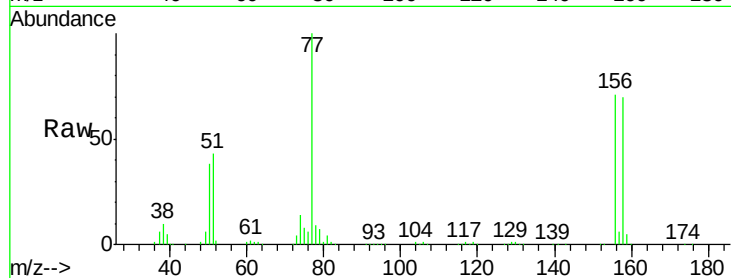
Tot Ion:156 Resp: 777208

Ion Ratio Lower Upper

156 100

77 141.7 54.5 163.6

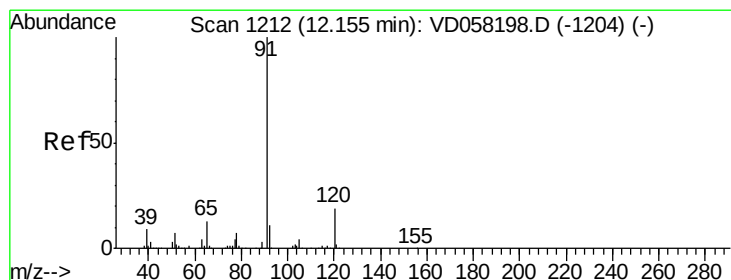
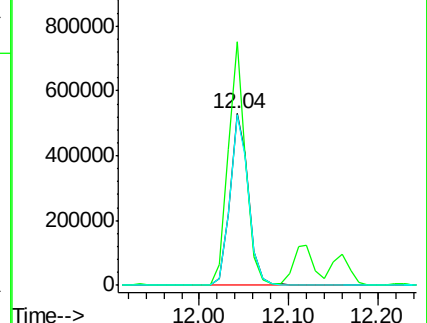
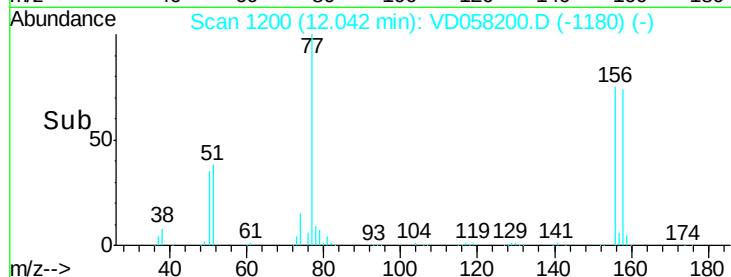
158 99.1 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 73.39 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058200.D

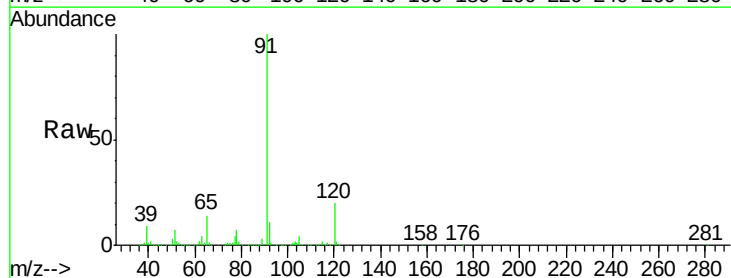
Acq: 19 Jun 2018 18:13

Tgt Ion: 91 Resp: 3114885

Ion Ratio Lower Upper

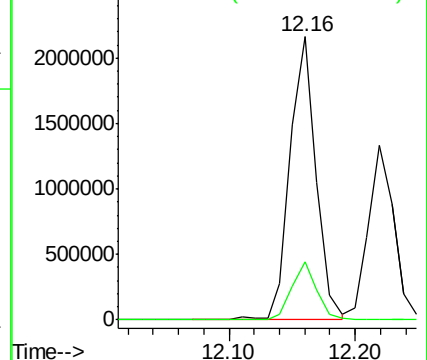
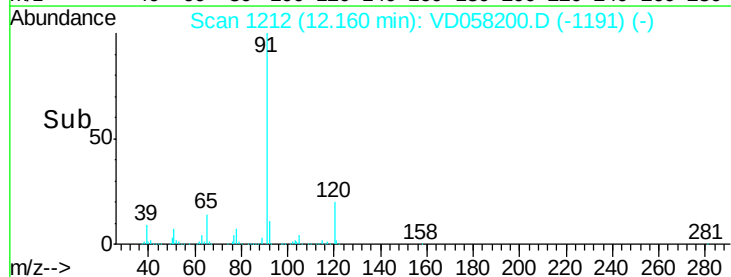
91 100

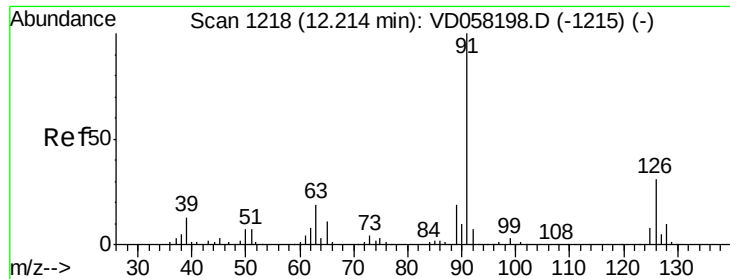
120 20.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

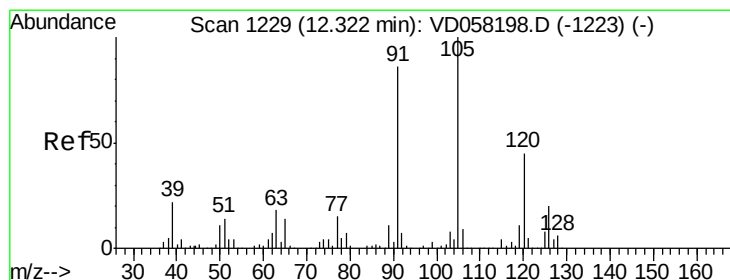
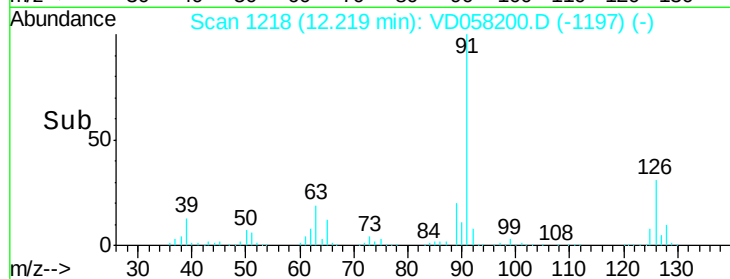
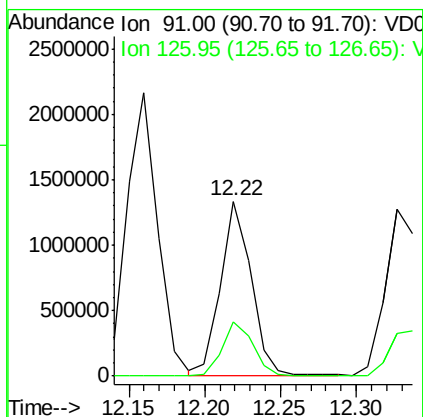
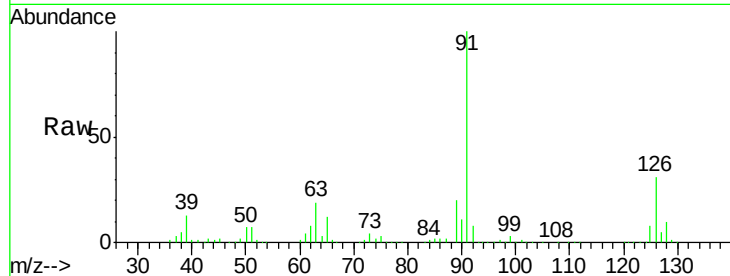




#79
 2-Chlorotoluene
 Concen: 77.43 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

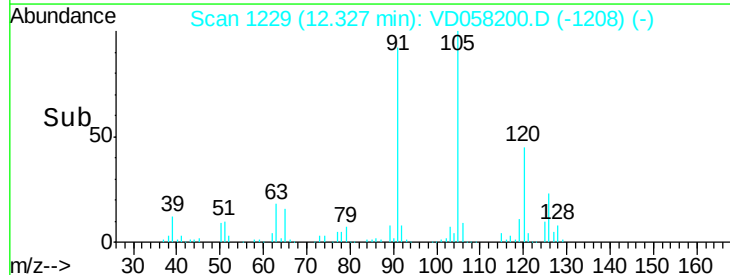
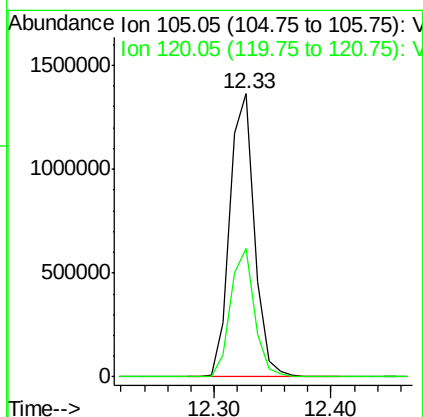
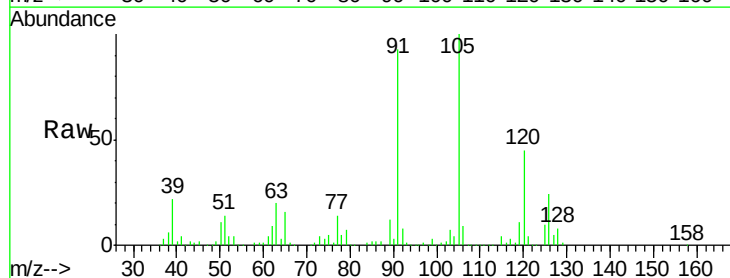
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

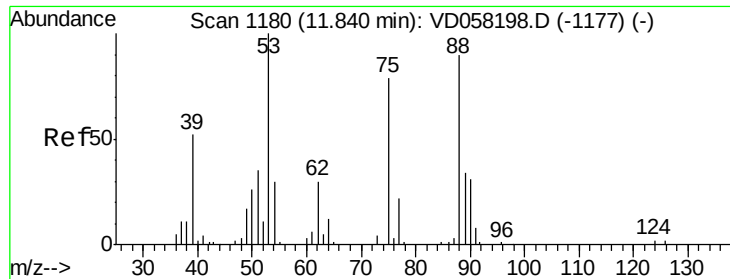
Tot Ion: 91 Resp: 1872374
 Ion Ratio Lower Upper
 91 100
 126 31.1 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 78.09 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 105 Resp: 1993944
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 91.87 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

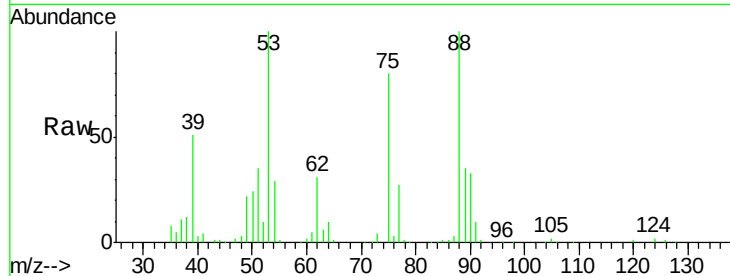
Tot Ion: 75 Resp: 170664

Ion Ratio Lower Upper

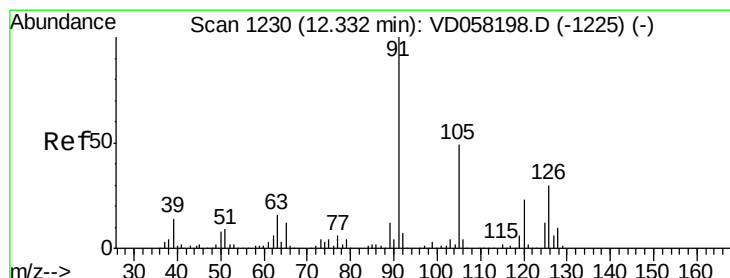
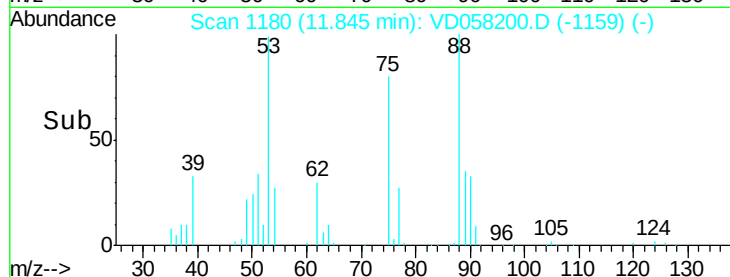
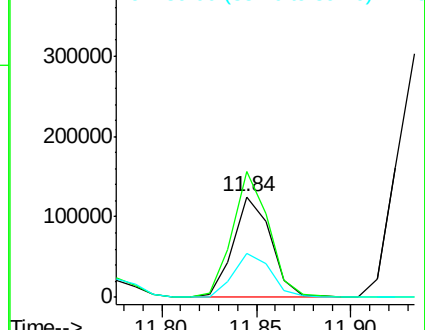
75 100

53 125.3 100.8 151.2

89 43.4 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: 74.02 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058200.D

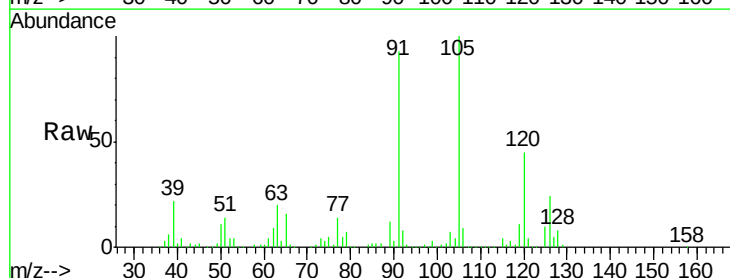
Acq: 19 Jun 2018 18:13

Tgt Ion: 91 Resp: 1975167

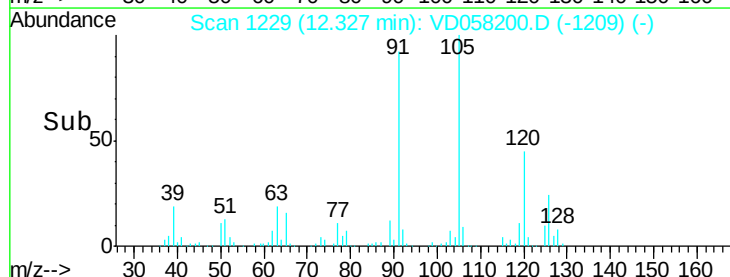
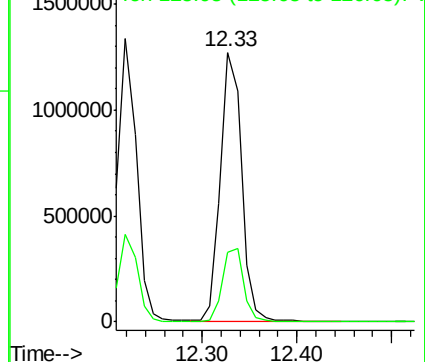
Ion Ratio Lower Upper

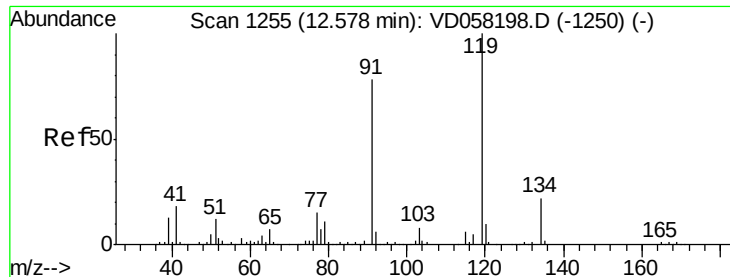
91 100

126 25.6 14.9 44.9



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

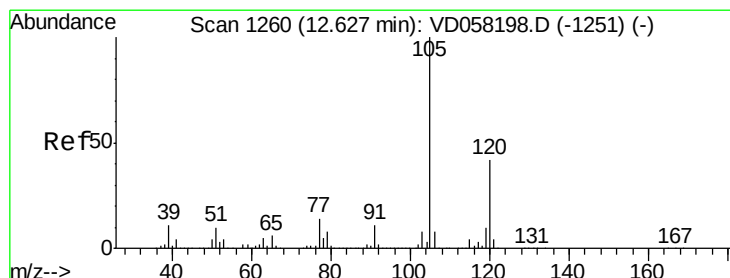
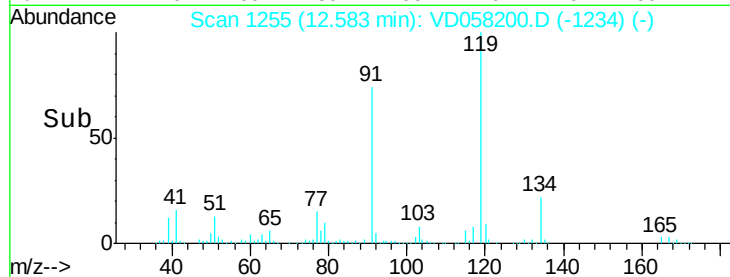
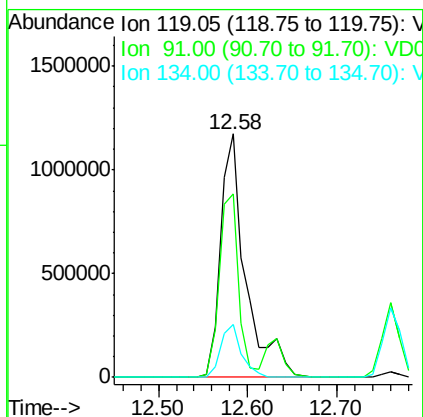
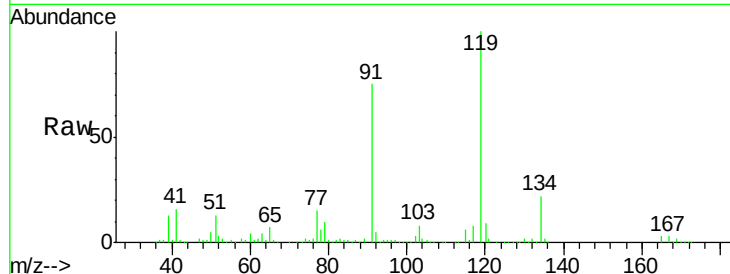




#83
 tert-Butylbenzene
 Concen: 80.44 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

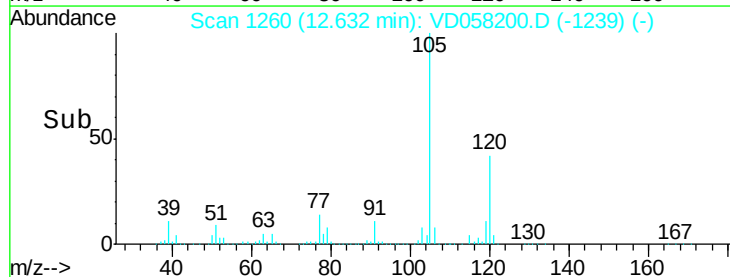
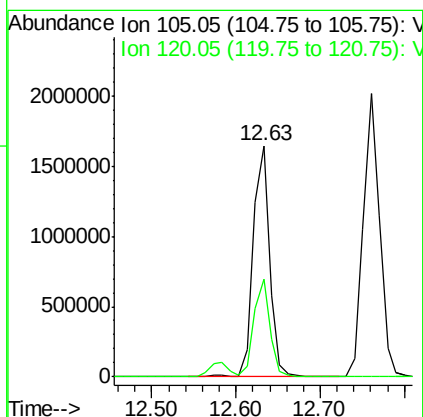
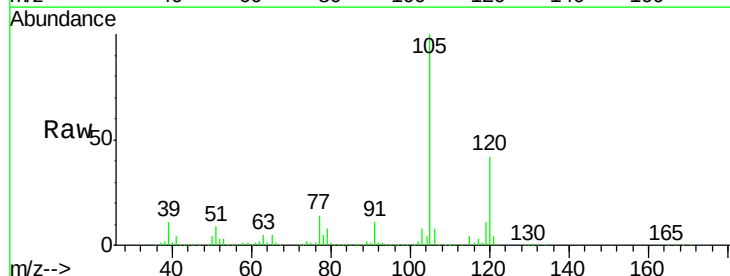
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

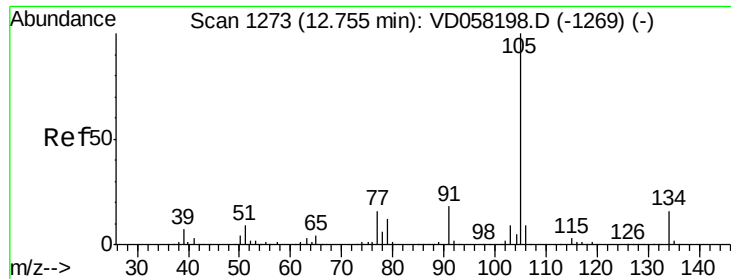
Tot Ion:119 Resp: 2310185
 Ion Ratio Lower Upper
 119 100
 91 75.3 38.9 116.6
 134 21.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 82.68 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion:105 Resp: 2254976
 Ion Ratio Lower Upper
 105 100
 120 42.2 20.8 62.4

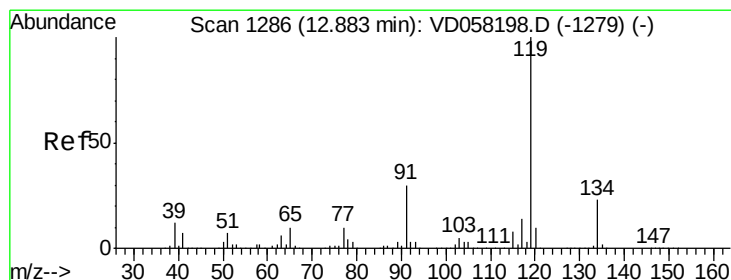
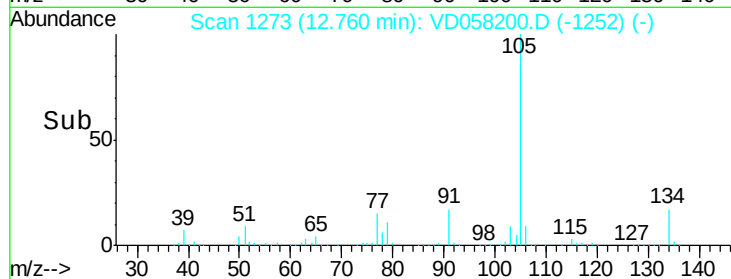
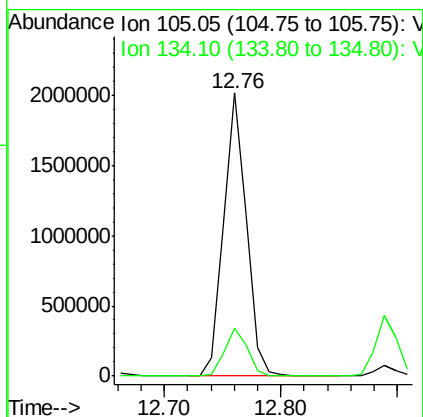
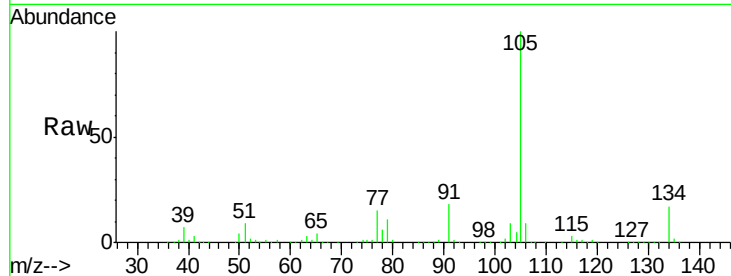




#85
 sec-Butylbenzene
 Concen: 78.21 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

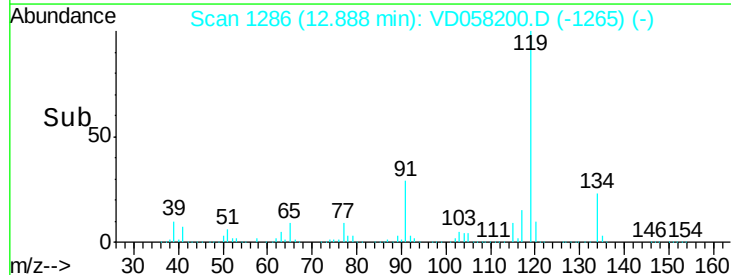
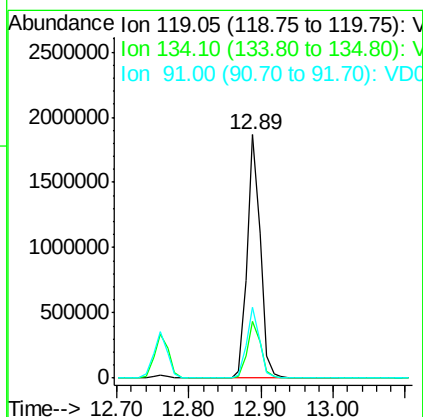
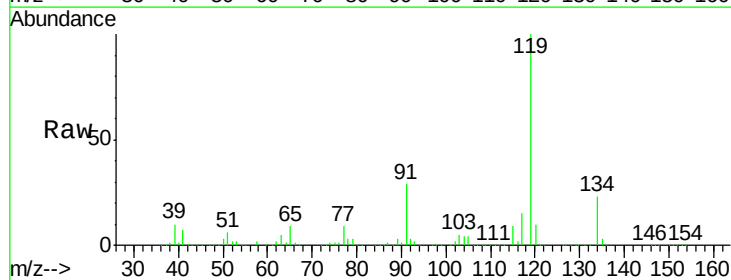
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

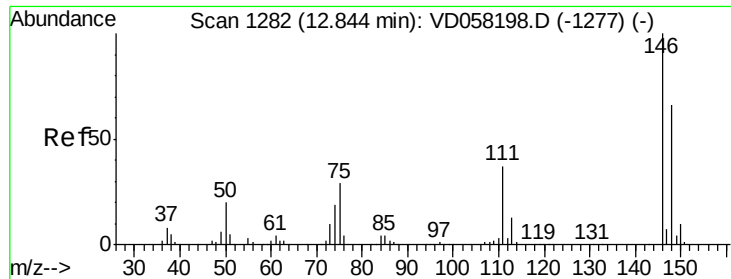
Tot Ion:105 Resp: 2713837
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 85.53 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion:119 Resp: 2375982
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.6 34.8
 91 29.0 15.0 45.1

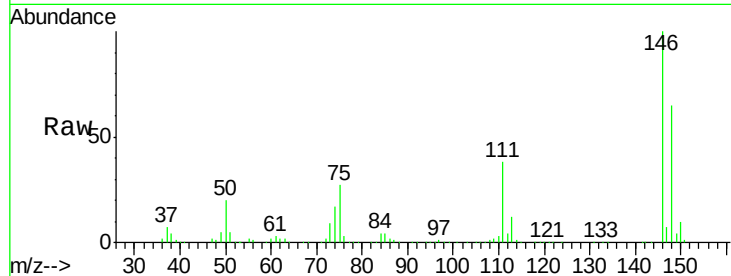




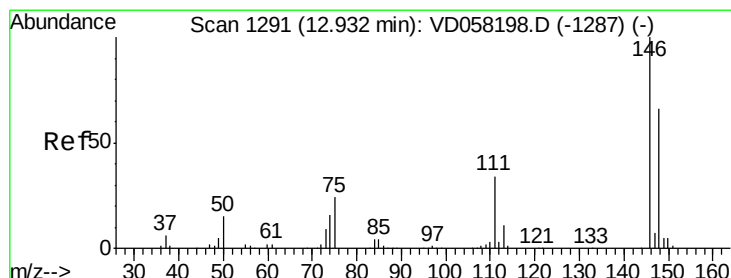
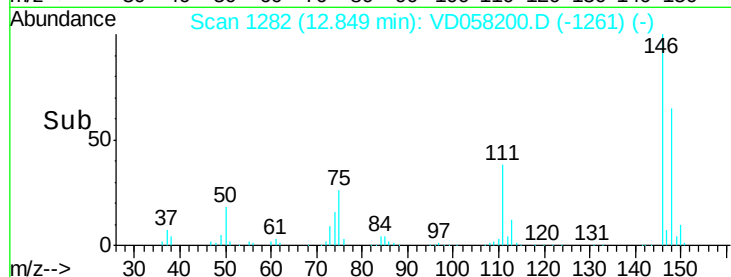
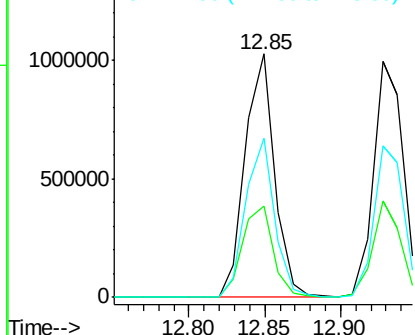
#87
 1,3-Dichlorobenzene
 Concen: 85.05 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1393621
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.0
 148 65.2 32.8 98.4

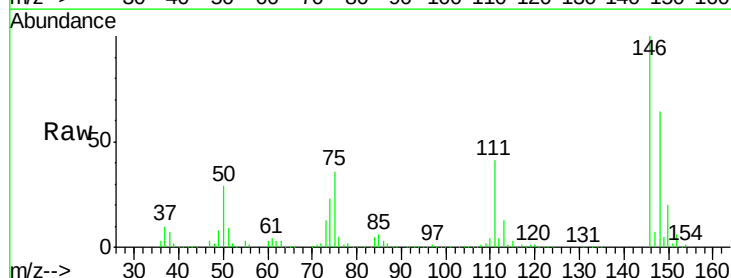


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

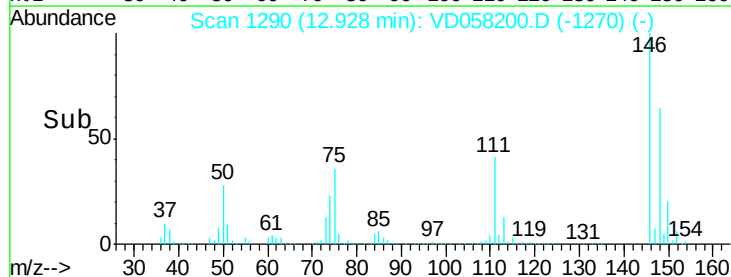
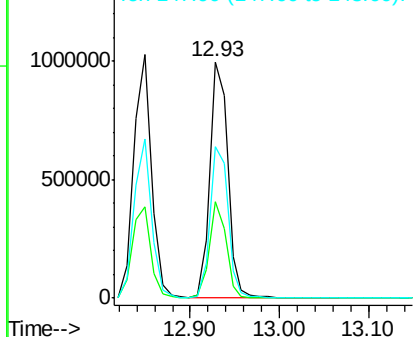


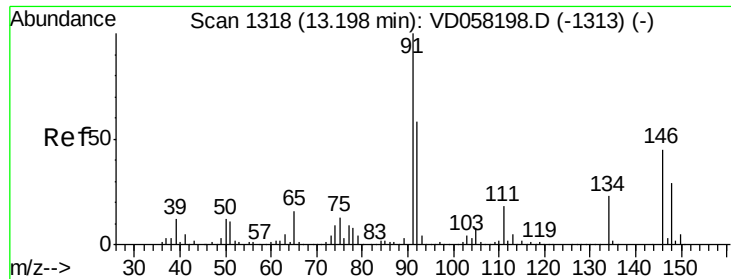
#88
 1,4-Dichlorobenzene
 Concen: 86.04 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion:146 Resp: 1381207
 Ion Ratio Lower Upper
 146 100
 111 40.9 17.2 51.5
 148 63.9 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

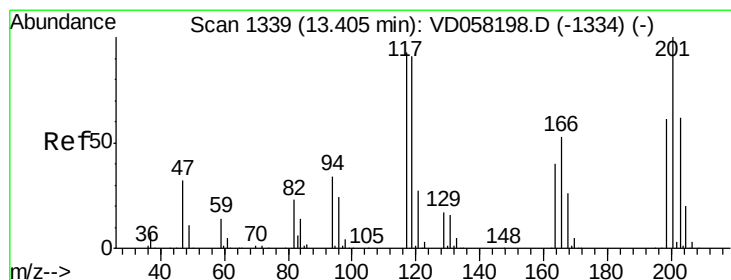
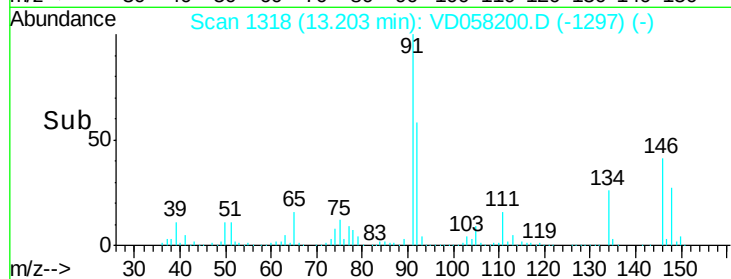
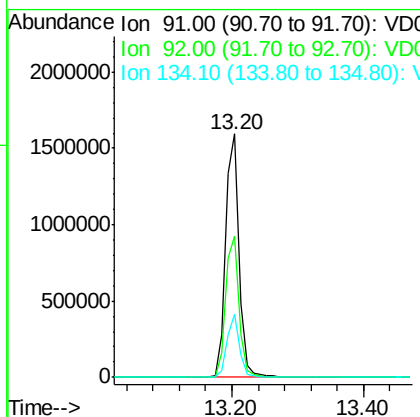
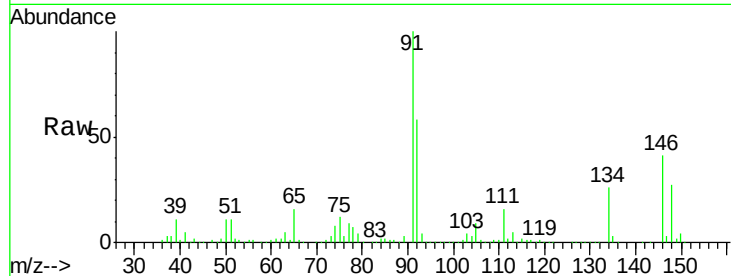




#89
n-Butylbenzene
Concen: 78.78 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

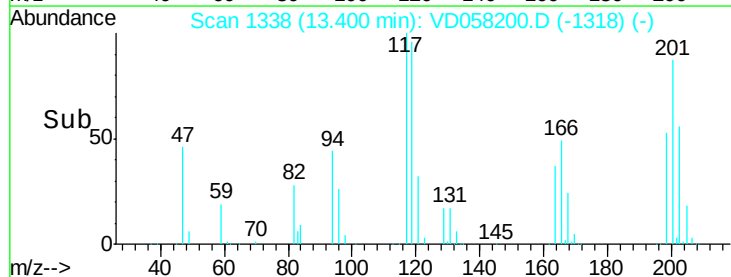
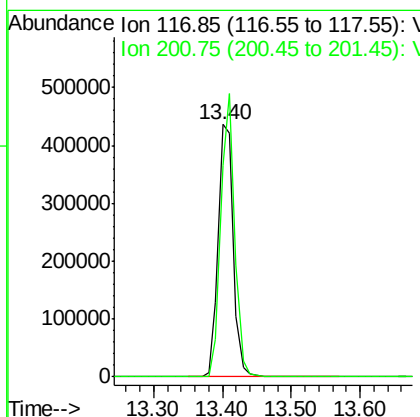
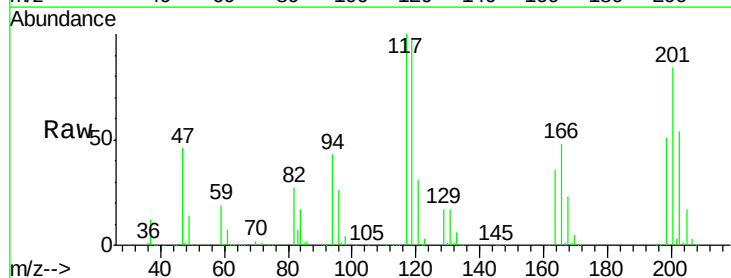
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

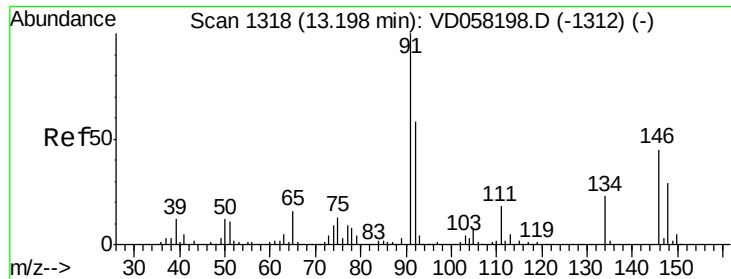
Tot Ion: 91 Resp: 2277574
Ion Ratio Lower Upper
91 100
92 57.9 29.2 87.6
134 25.7 11.3 33.8



#90
Hexachloroethane
Concen: 93.86 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058200.D
Acq: 19 Jun 2018 18:13

Tgt Ion: 117 Resp: 669368
Ion Ratio Lower Upper
117 100
201 84.2 53.8 161.4

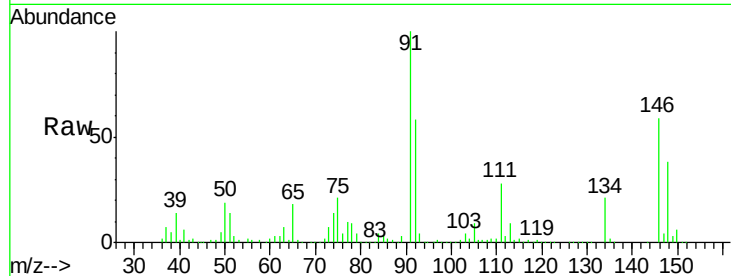




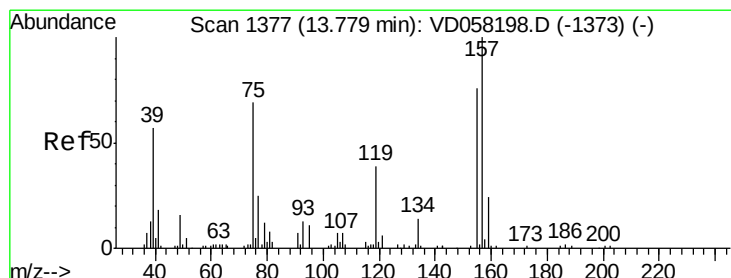
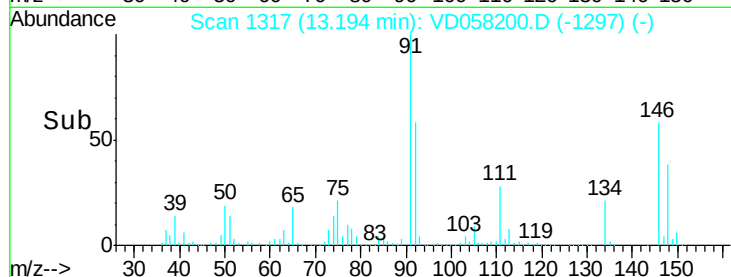
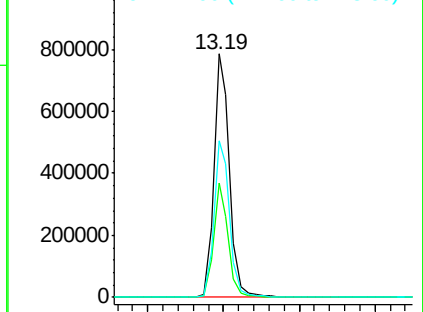
#91
 1,2-Dichlorobenzene
 Concen: 84.32 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1135734
 Ion Ratio Lower Upper
 146 100
 111 47.1 19.6 58.7
 148 64.2 32.0 96.2

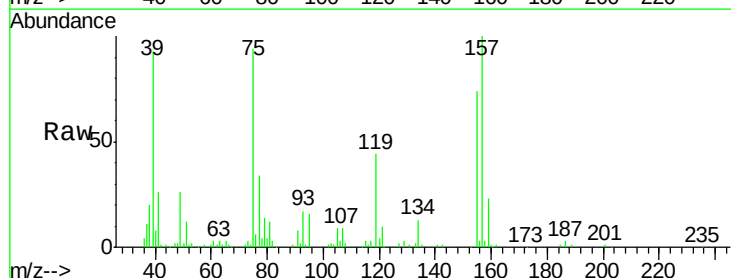


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

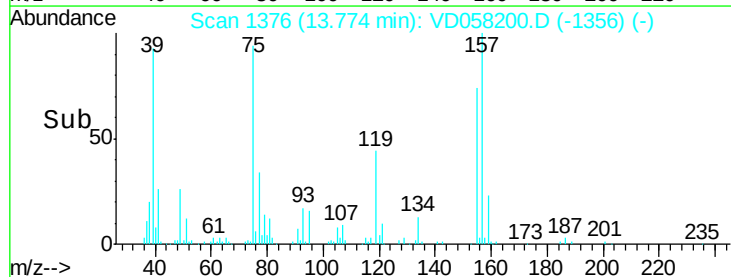
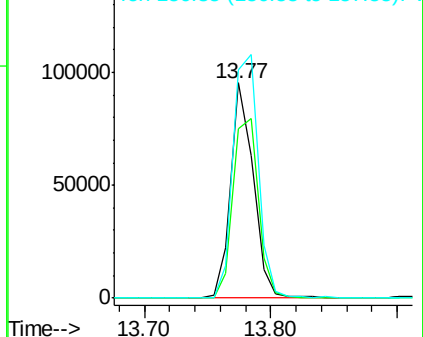


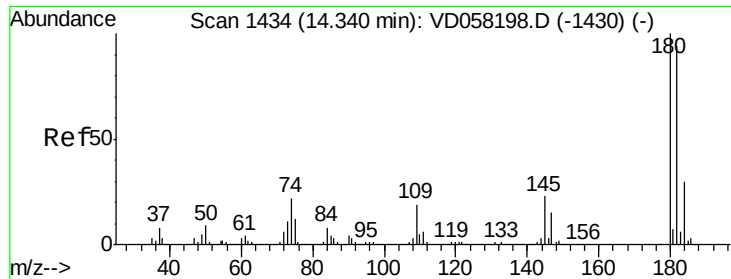
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.90 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion: 75 Resp: 117560
 Ion Ratio Lower Upper
 75 100
 155 78.8 54.5 163.5
 157 106.4 72.0 215.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

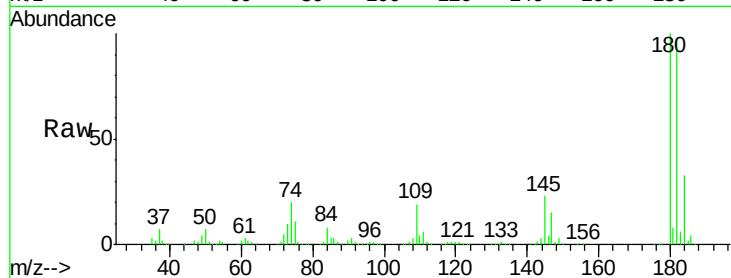




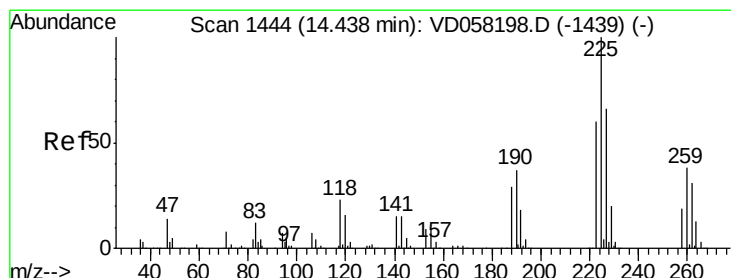
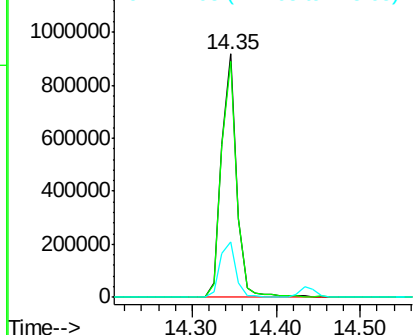
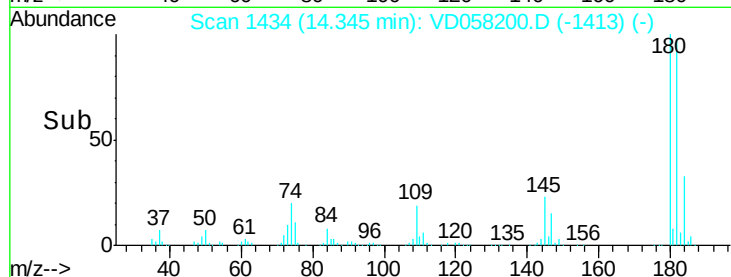
#93
 1,2,4-Trichlorobenzene
 Concen: 92.02 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1155433
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.1 141.3
 145 23.0 11.7 35.0

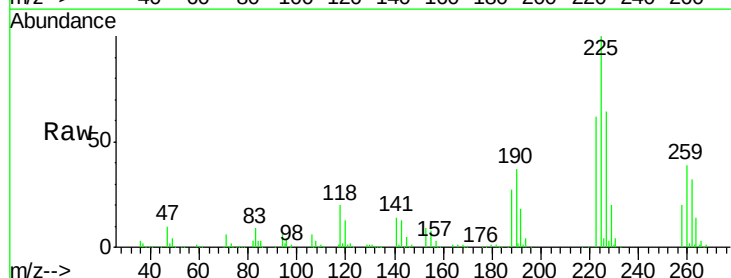


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

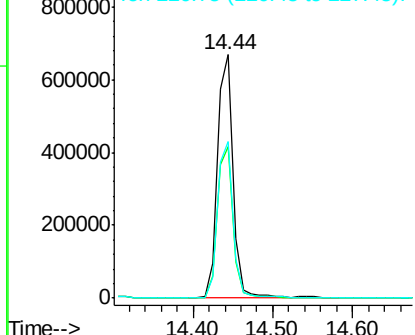
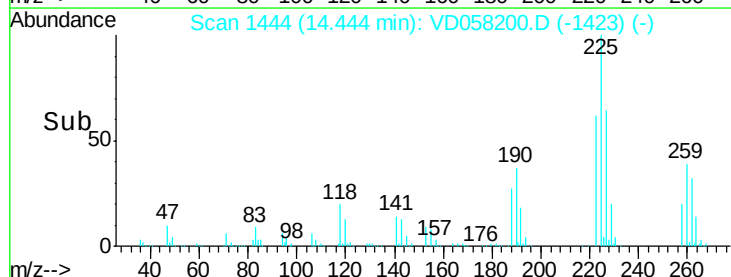


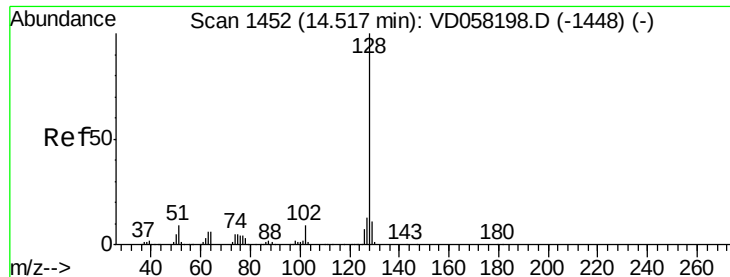
#94
 Hexachlorobutadiene
 Concen: 95.79 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD058200.D
 Acq: 19 Jun 2018 18:13

Tgt Ion:225 Resp: 937774
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.1 90.3
 227 64.2 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: 94.57 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

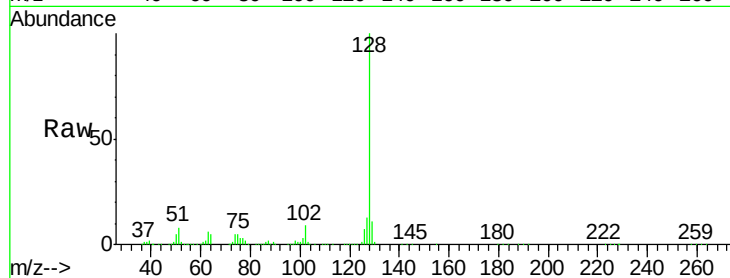
Tot Ion:128 Resp: 1558173

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

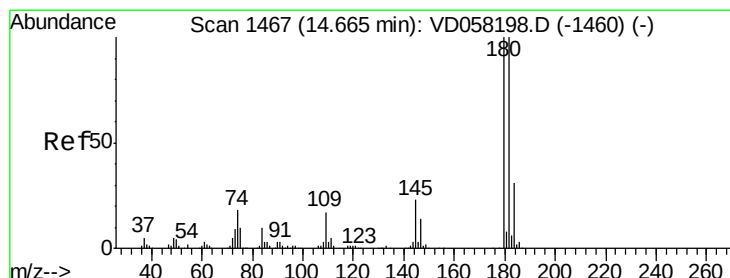
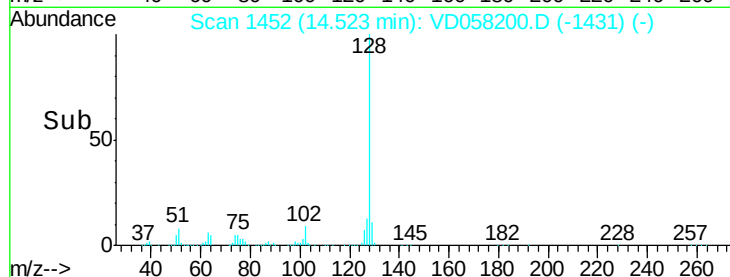
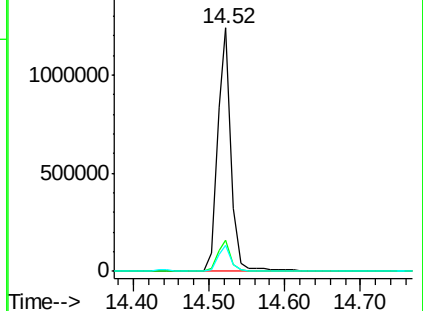
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 95.50 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058200.D

Acq: 19 Jun 2018 18:13

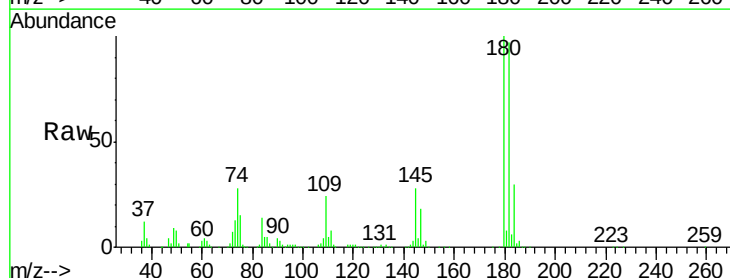
Tgt Ion:180 Resp: 1027298

Ion Ratio Lower Upper

180 100

182 96.7 49.9 149.6

145 28.5 11.7 35.1



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

