

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058363.D
 Acq On : 24 Jun 2018 10:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 25 03:59:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	1029261	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1317902	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1038141	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	511290	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	513003	49.35	ug/l	0.02
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	5.57	113	552156	51.48	ug/l	0.02
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	8.72	98	1333990	51.40	ug/l	0.01
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.94	95	533357	50.31	ug/l	0.01
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	502386	52.41	ug/l	98
3) Chloromethane	1.49	50	253210	56.98	ug/l	98
4) Vinyl Chloride	1.57	62	283666	52.61	ug/l	99
5) Bromomethane	1.81	94	110217	64.25	ug/l	93
6) Chloroethane	1.90	64	129567	69.73	ug/l	99
7) Trichlorofluoromethane	2.10	101	417038	56.41	ug/l	96
8) Diethyl Ether	2.36	74	81054	51.83	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.58	101	248680	52.91	ug/l	99
10) Methyl Iodide	2.71	142	302102	56.51	ug/l	95
11) Tert butyl alcohol	3.27	59	89384	260.68	ug/l #	87
12) 1,1-Dichloroethene	2.56	96	187793	53.11	ug/l	97
13) Acrolein	2.49	56	22312	113.99	ug/l	84
14) Allyl chloride	2.94	41	435369	52.90	ug/l	97
15) Acrylonitrile	3.37	53	367718	404.45	ug/l	97
16) Acetone	2.63	43	412407	290.06	ug/l	93
17) Carbon Disulfide	2.77	76	587857	48.86	ug/l	99
18) Methyl Acetate	2.95	43	130002	42.87	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	874774	93.27	ug/l	98
20) Methylene Chloride	3.09	84	199409	54.12	ug/l	99
21) trans-1,2-Dichloroethene	3.40	96	423562	109.60	ug/l	89
22) Diisopropyl ether	4.09	45	1548275	47.37	ug/l	95
23) Vinyl Acetate	4.04	43	4058073	231.59	ug/l	99
24) 1,1-Dichloroethane	3.99	63	884972	50.25	ug/l	98
25) 2-Butanone	4.85	43	688960	222.33	ug/l	99
26) 2,2-Dichloropropane	4.82	77	777601	52.73	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	488292	50.56	ug/l	97
28) Bromochloromethane	5.17	49	388960	49.27	ug/l #	93
29) Tetrahydrofuran	5.20	42	328987	199.46	ug/l	98
30) Chloroform	5.34	83	950630	51.13	ug/l	94
31) Cyclohexane	5.61	56	667273	52.44	ug/l	97
32) 1,1,1-Trichloroethane	5.53	97	828218	53.92	ug/l	98
36) 1,1-Dichloropropene	5.77	75	653070	50.09	ug/l	96
37) Ethyl Acetate	4.94	43	327151	44.04	ug/l	96
38) Carbon Tetrachloride	5.75	117	701682	54.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	638601	50.29	ug/l	98
40) Benzene	6.03	78	1472645	47.42	ug/l	99
41) Methacrylonitrile	5.15	41	155304	43.30	ug/l	98
42) 1,2-Dichloroethane	6.14	62	612543	48.91	ug/l	100
43) Isopropyl Acetate	7.63	43	434110	43.83	ug/l	99
44) Trichloroethene	7.00	130	509049	54.59	ug/l	95
45) 1,2-Dichloropropane	7.36	63	424304	50.73	ug/l	97
46) Dibromomethane	7.48	93	285631	50.03	ug/l	96
47) Bromodichloromethane	7.75	83	674947	51.84	ug/l	96
48) Methyl methacrylate	7.52	41	264691	43.98	ug/l	94
49) 1,4-Dioxane	7.50	88	49945	919.25	ug/l	96
51) 4-Methyl-2-Pentanone	8.61	43	1449396	224.37	ug/l	99
52) Toluene	8.82	92	894419	50.58	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	570532	50.40	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	676256	50.96	ug/l	98
55) 1,1,2-Trichloroethane	9.47	97	294255	47.03	ug/l	97
56) Ethyl methacrylate	9.32	69	350734	46.87	ug/l	98
57) 1,3-Dichloropropane	9.67	76	495197	46.99	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	855458	230.94	ug/l	97
59) 2-Hexanone	9.80	43	1116070	239.11	ug/l	96
60) Dibromochloromethane	9.97	129	447083	52.65	ug/l	98
61) 1,2-Dibromoethane	10.11	107	327685	47.85	ug/l	98
64) Tetrachloroethene	9.53	164	450087	51.53	ug/l	97
65) Chlorobenzene	10.74	112	996454	51.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	384770	51.34	ug/l	99
67) Ethyl Benzene	10.87	91	1727627	50.39	ug/l	99
68) m/p-Xylenes	11.02	106	1178521	103.08	ug/l	97
69) o-Xylene	11.42	106	585614	53.63	ug/l	98
70) Styrene	11.44	104	983920	52.81	ug/l	98
71) Bromoform	11.60	173	311538	52.11	ug/l	98
73) Isopropylbenzene	11.78	105	1592172	52.06	ug/l	99
74) N-amyl acetate	11.65	43	539446	45.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	344776	48.44	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	359832	48.20	ug/l	99
77) Bromobenzene	12.05	156	483323	52.78	ug/l	88
78) n-propylbenzene	12.16	91	2115175	53.56	ug/l	98
79) 2-Chlorotoluene	12.22	91	1246123	55.14	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1290364	54.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	91482	50.25	ug/l	91
82) 4-Chlorotoluene	12.33	91	1322721	61.28	ug/l	95
83) tert-Butylbenzene	12.58	119	1520643	55.45	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1393958	53.76	ug/l	99
85) sec-Butylbenzene	12.77	105	1709129	53.17	ug/l	97
86) p-Isopropyltoluene	12.89	119	1455183	55.86	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	823454	51.73	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	797051	51.28	ug/l	97
89) n-Butylbenzene	13.20	91	1334708	48.75	ug/l	99
90) Hexachloroethane	13.41	117	378307	55.95	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	636779	47.01	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	58434	51.59	ug/l	80

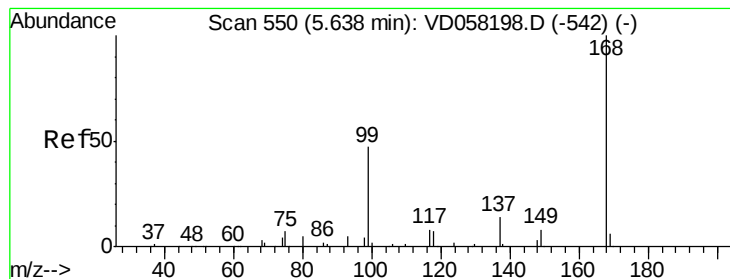
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	669792	51.70	ug/l	98
94) Hexachlorobutadiene	14.44	225	536420	52.94	ug/l	97
95) Naphthalene	14.52	128	850582	49.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	564336	49.76	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

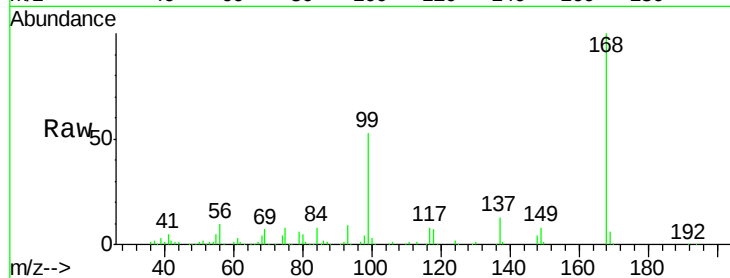
VSTDCCC050

Tot Ion:168 Resp: 1029261

Ion Ratio Lower Upper

168 100

99 53.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

400000

300000

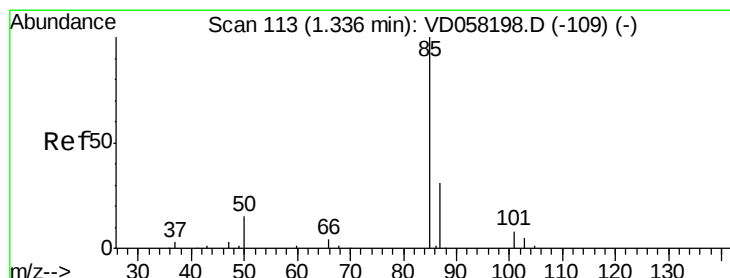
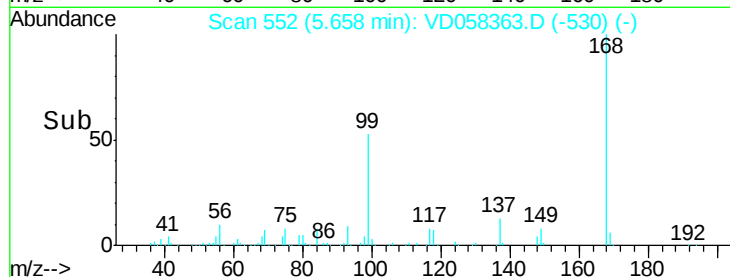
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.41 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058363.D

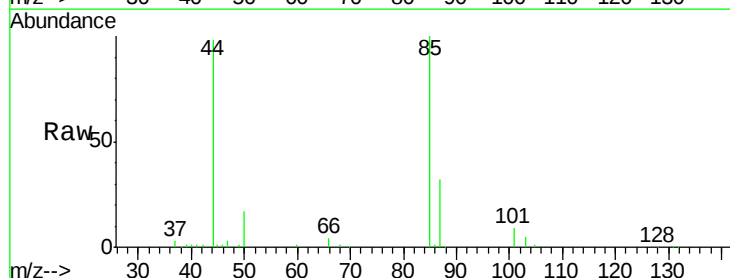
Acq: 24 Jun 2018 10:54

Tgt Ion: 85 Resp: 502386

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

200000

150000

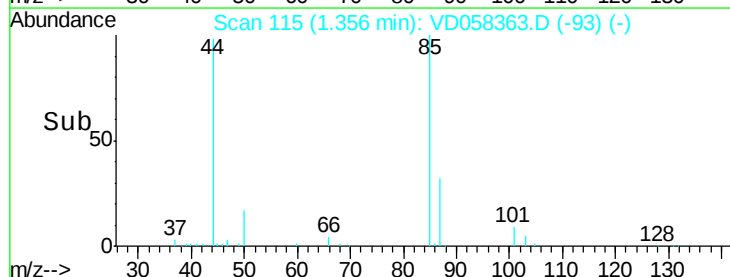
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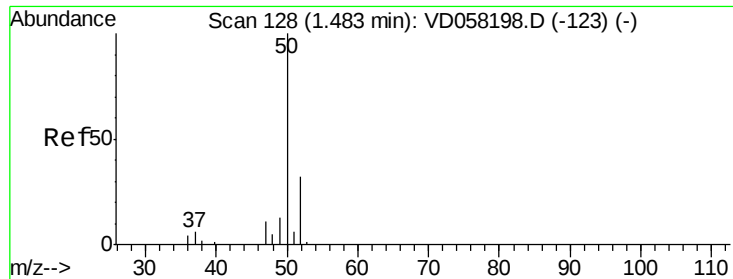
50000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 56.98 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

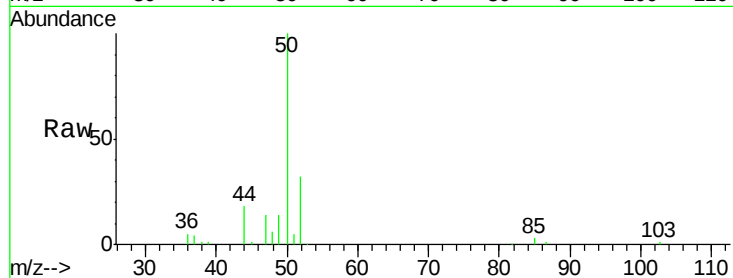
VSTDCCC050

Tot Ion: 50 Resp: 253210

Ion Ratio Lower Upper

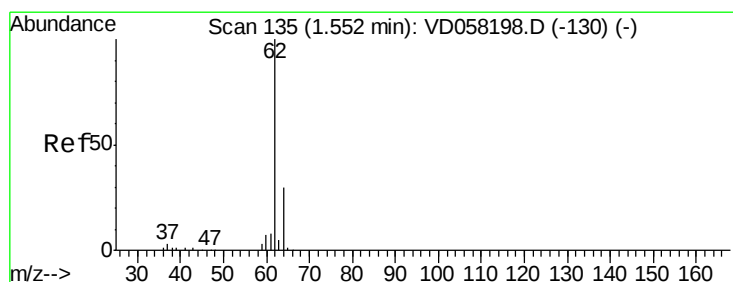
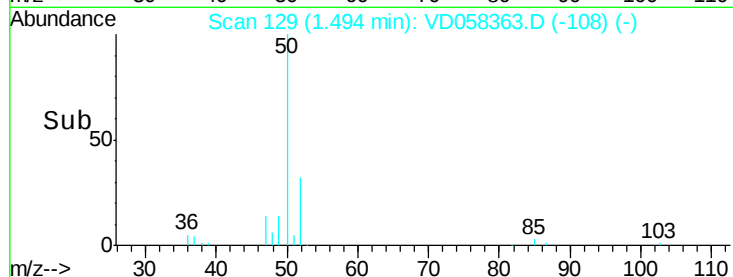
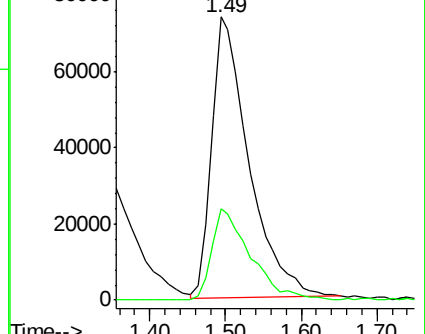
50 100

52 32.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.61 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058363.D

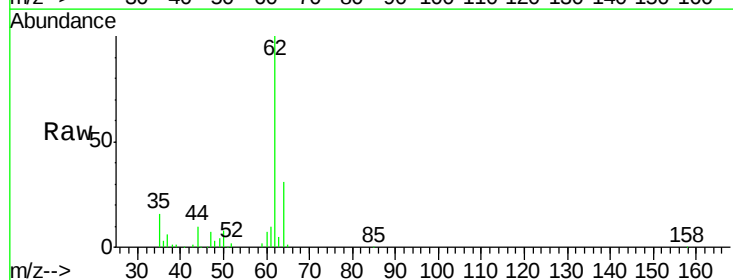
Acq: 24 Jun 2018 10:54

Tgt Ion: 62 Resp: 283666

Ion Ratio Lower Upper

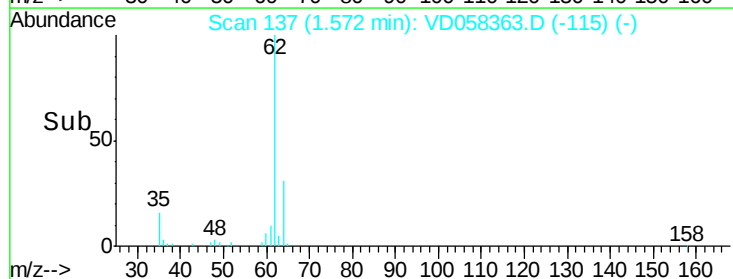
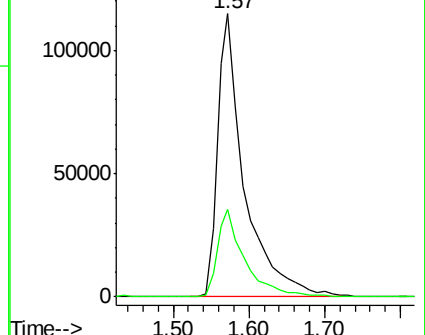
62 100

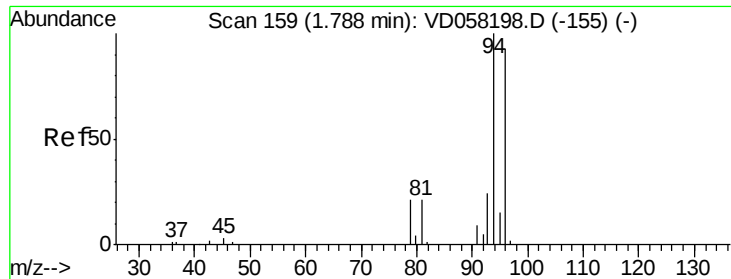
64 31.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.25 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

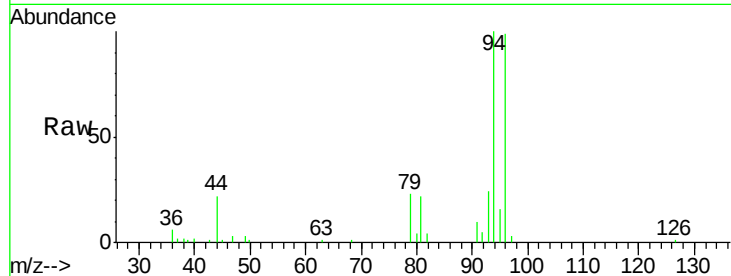
VSTDCCC050

Tot Ion: 94 Resp: 110217

Ion Ratio Lower Upper

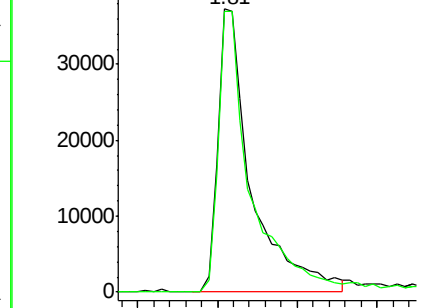
94 100

96 99.0 74.2 111.2

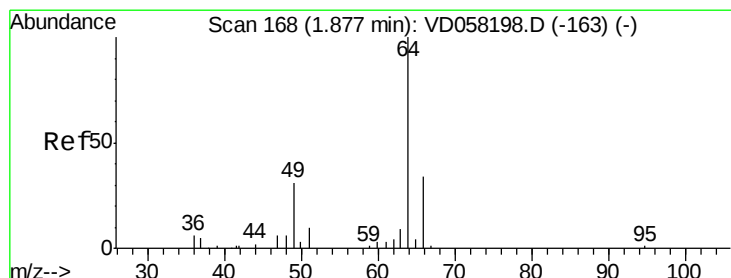
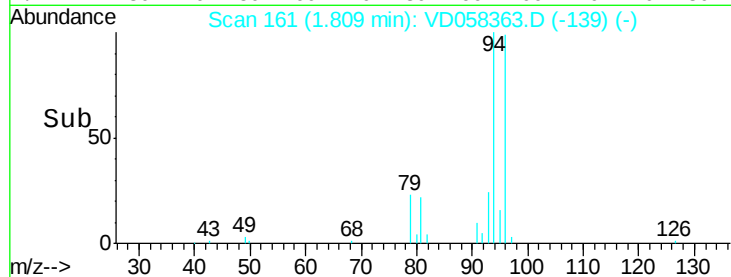


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 69.73 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058363.D

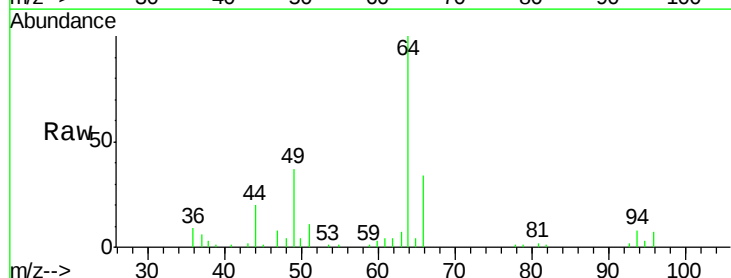
Acq: 24 Jun 2018 10:54

Tgt Ion: 64 Resp: 129567

Ion Ratio Lower Upper

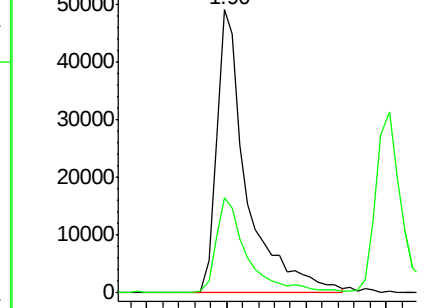
64 100

66 33.8 27.3 40.9

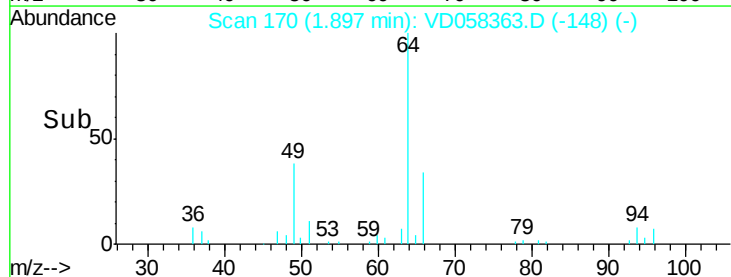


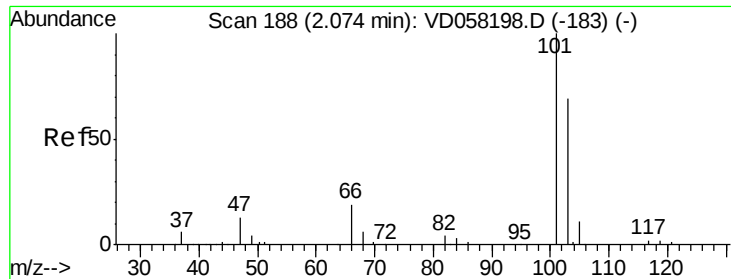
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



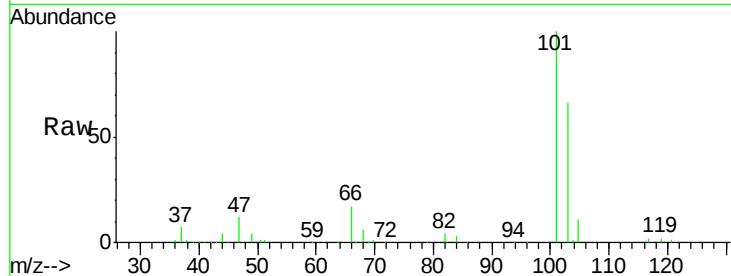


#7

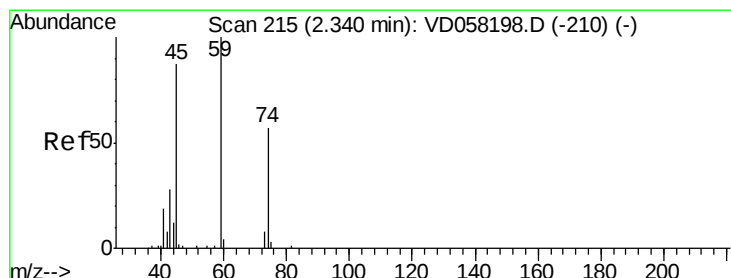
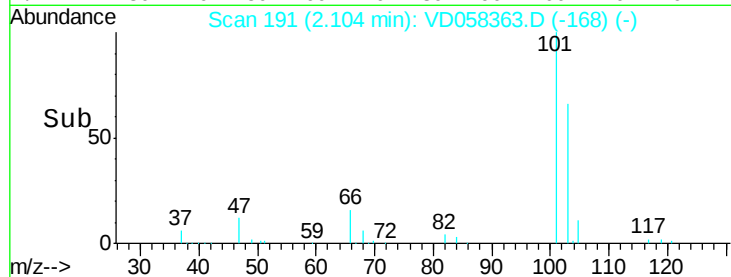
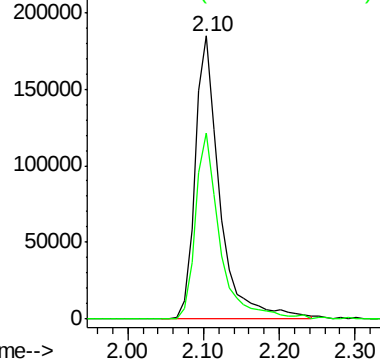
Trichlorofluoromethane
 Concen: 56.41 ug/l
 RT: 2.10 min Scan# 191
 Delta R.T. 0.03 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 417038
 Ion Ratio Lower Upper
 101 100
 103 65.8 55.1 82.7



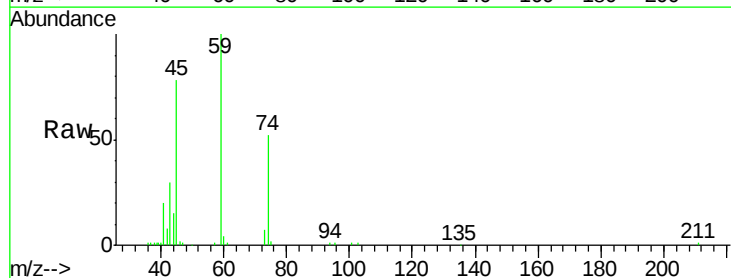
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



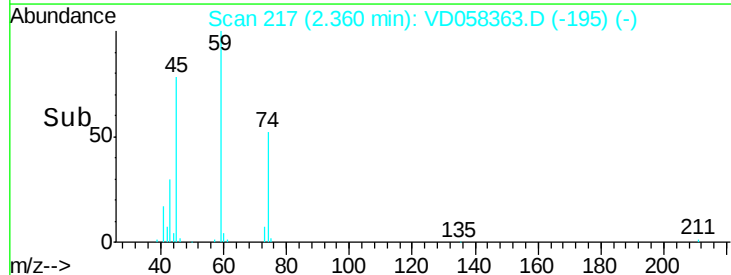
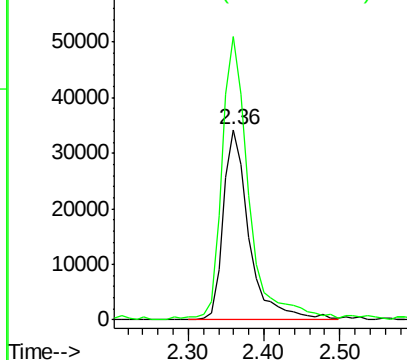
#8

Diethyl Ether
 Concen: 51.83 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 74 Resp: 81054
 Ion Ratio Lower Upper
 74 100
 45 148.8 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: 52.91 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.03 min

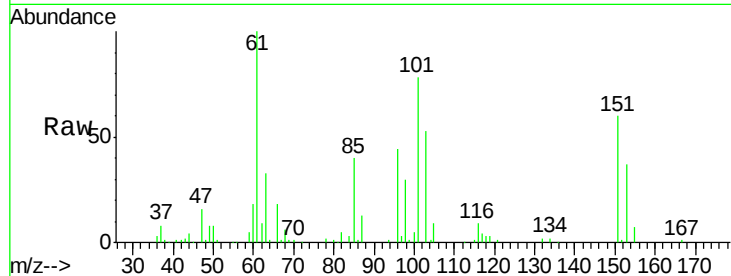
Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 248680

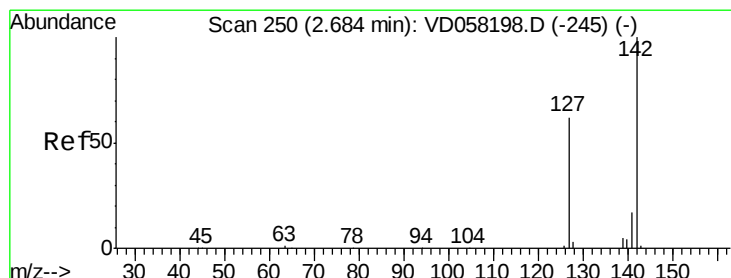
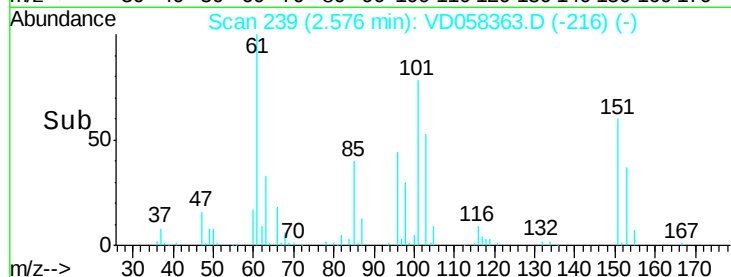
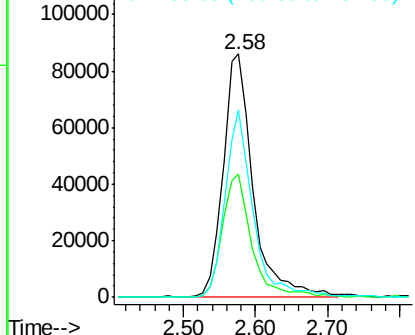
Ion	Ratio	Lower	Upper
101	100		
85	50.5	39.0	58.4
151	76.7	61.8	92.8



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: 56.51 ug/l

RT: 2.71 min Scan# 253

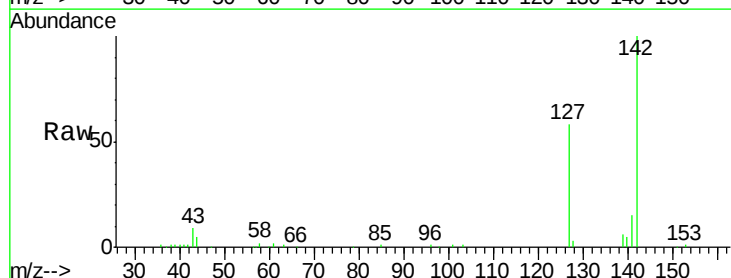
Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Tgt Ion:142 Resp: 302102

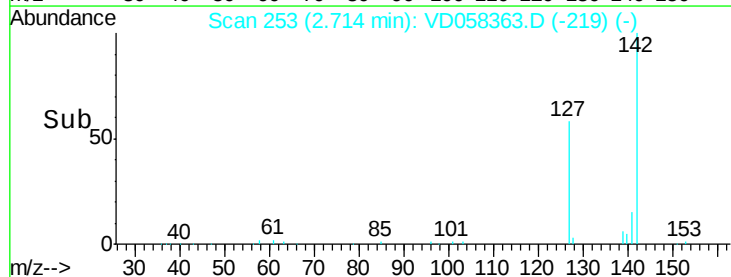
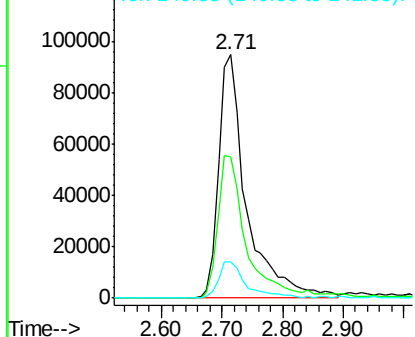
Ion	Ratio	Lower	Upper
142	100		
127	58.1	49.4	74.0
141	14.6	13.5	20.3



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



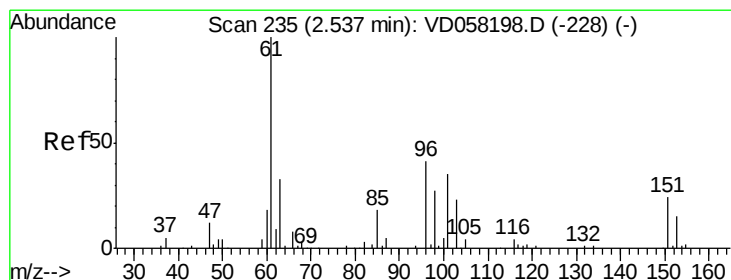
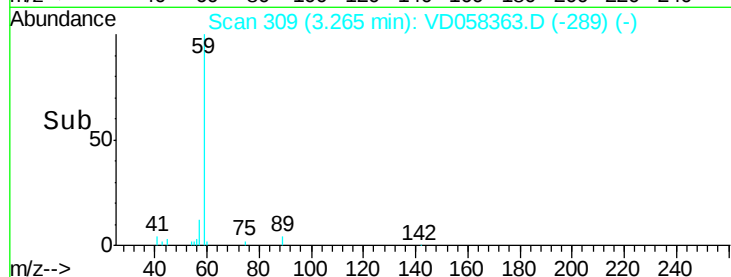
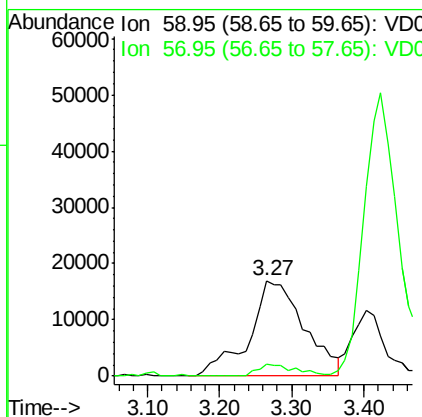
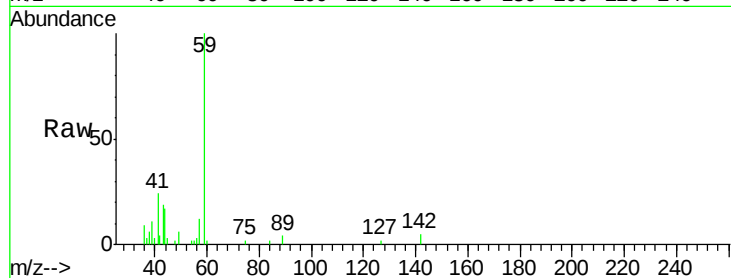


#11

Tert butyl alcohol
 Concen: 260.68 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

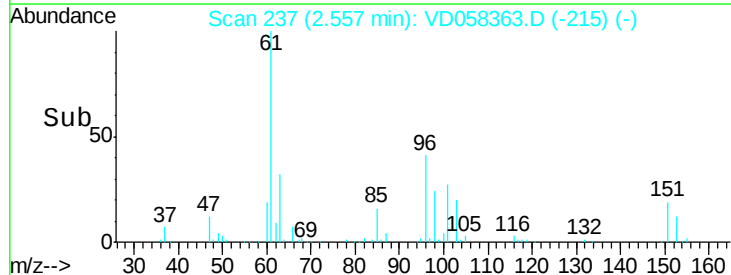
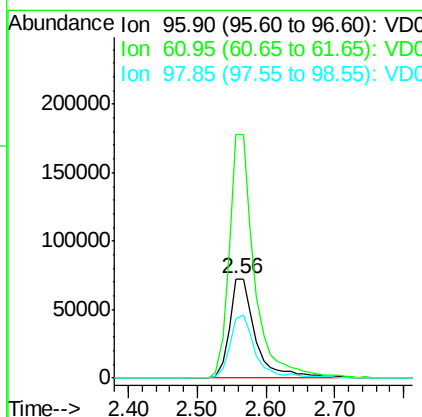
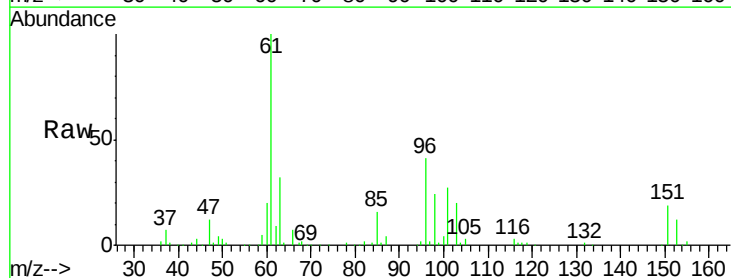
Tot Ion: 59 Resp: 89384
 Ion Ratio Lower Upper
 59 100
 57 12.2 6.2 9.4#

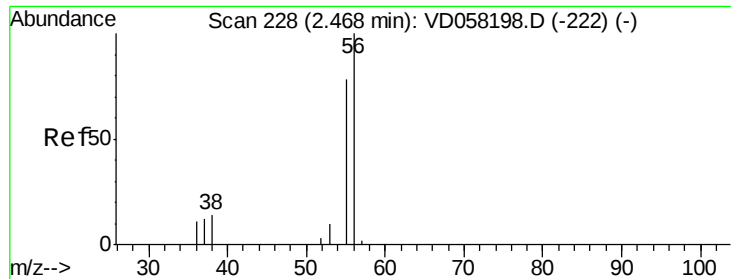


#12

1,1-Dichloroethene
 Concen: 53.11 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 96 Resp: 187793
 Ion Ratio Lower Upper
 96 100
 61 246.1 193.9 290.9
 98 59.4 51.7 77.5





#13

Acrolein

Concen: 113.99 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

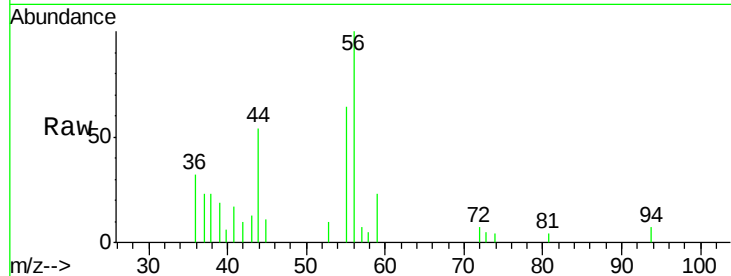
VSTDCCC050

Tot Ion: 56 Resp: 22312

Ion Ratio Lower Upper

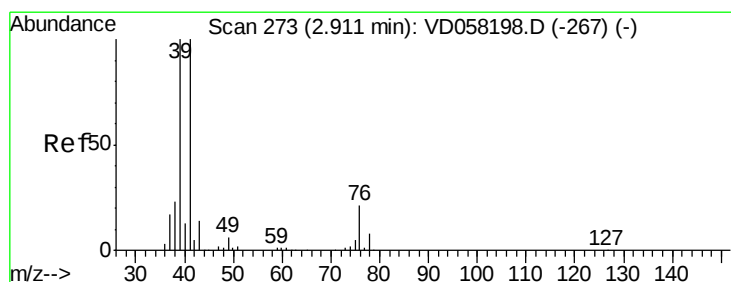
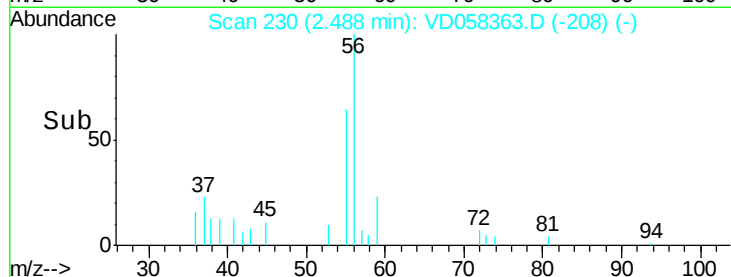
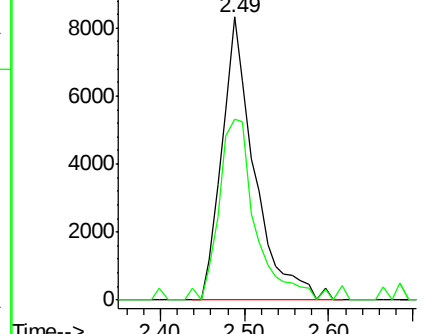
56 100

55 63.8 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.90 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

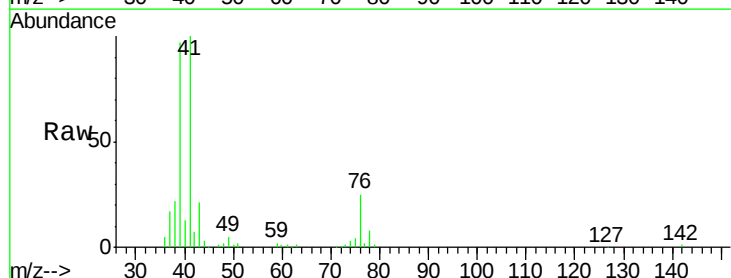
Tgt Ion: 41 Resp: 435369

Ion Ratio Lower Upper

41 100

39 96.9 80.1 120.1

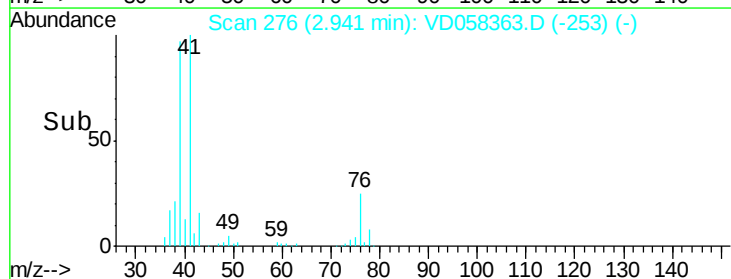
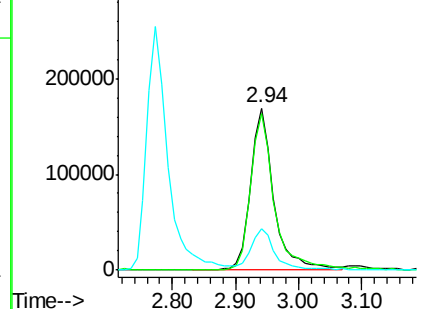
76 25.4 19.4 29.2

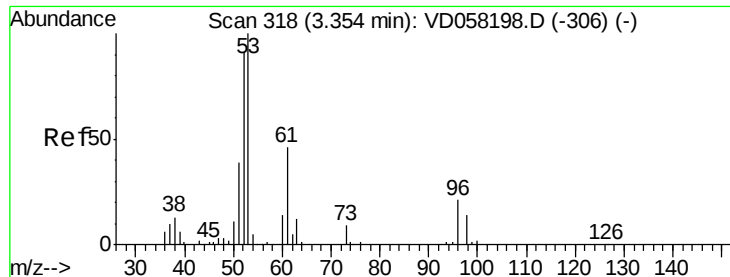


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 404.45 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

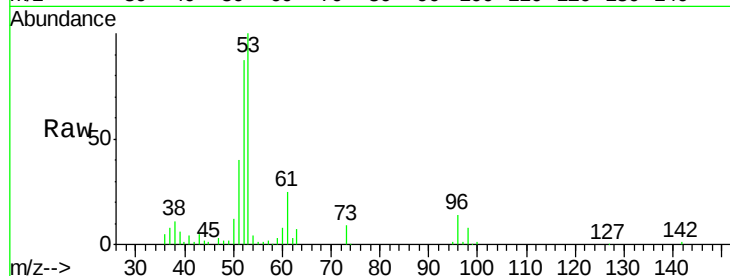
Tot Ion: 53 Resp: 367718

Ion Ratio Lower Upper

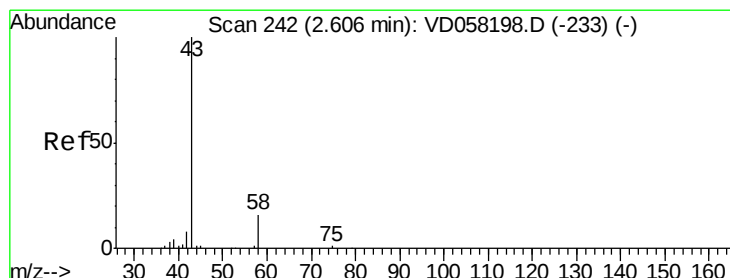
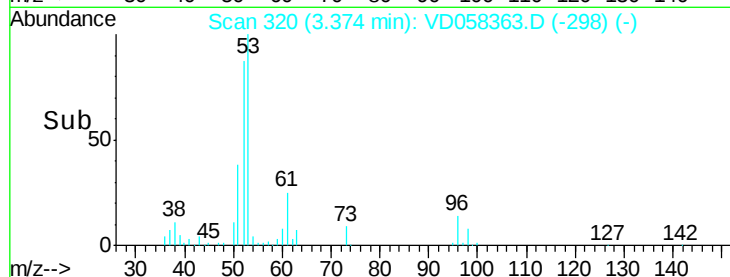
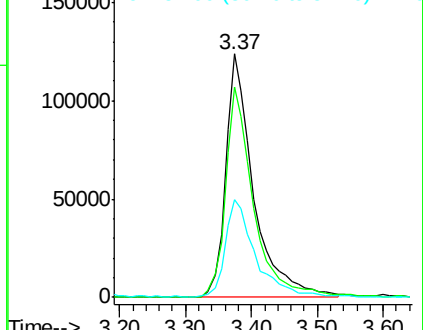
53 100

52 86.5 72.6 108.8

51 39.9 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: 290.06 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058363.D

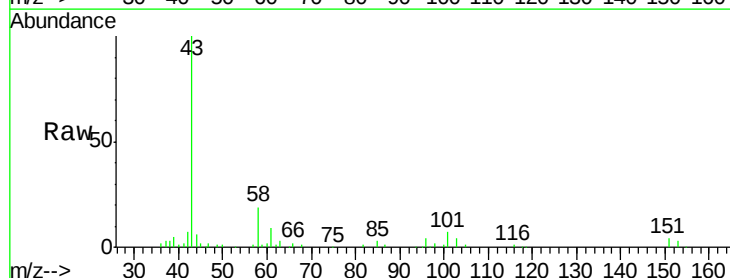
Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 412407

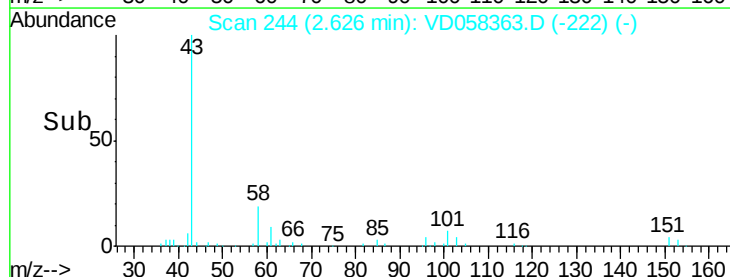
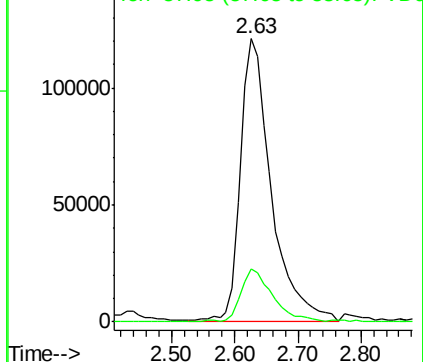
Ion Ratio Lower Upper

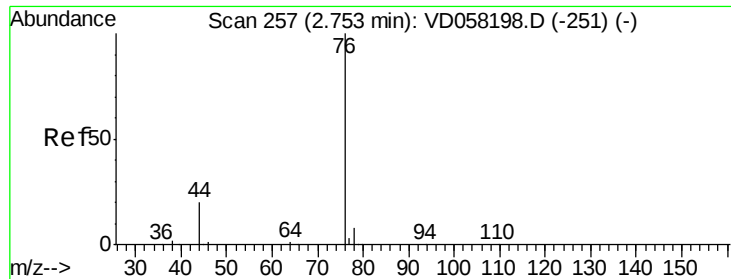
43 100

58 18.8 12.7 19.1



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

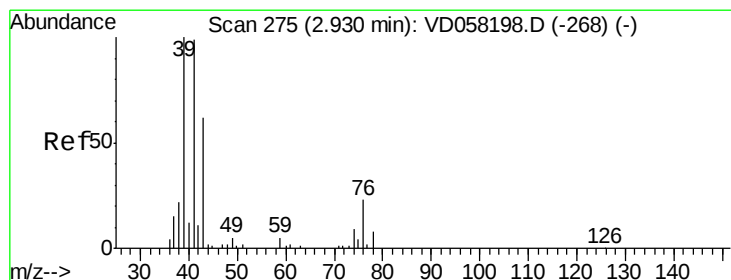
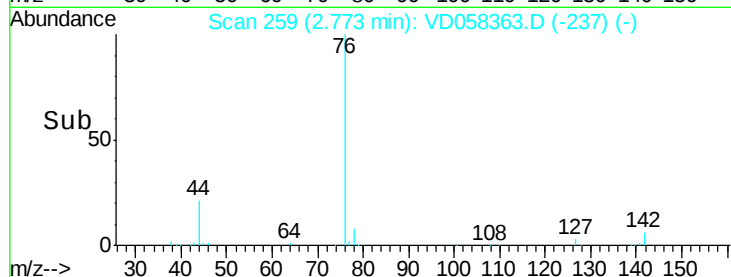
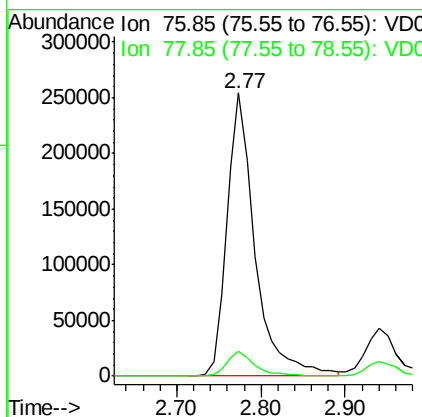
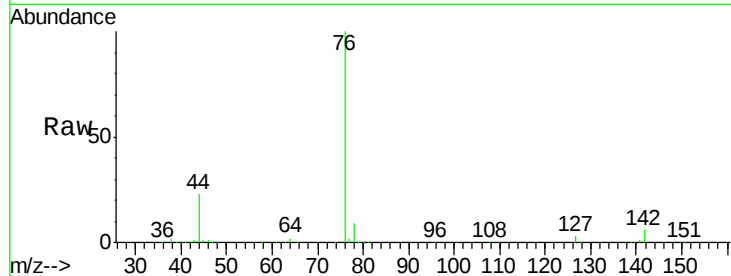




#17
Carbon Disulfide
Concen: 48.86 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

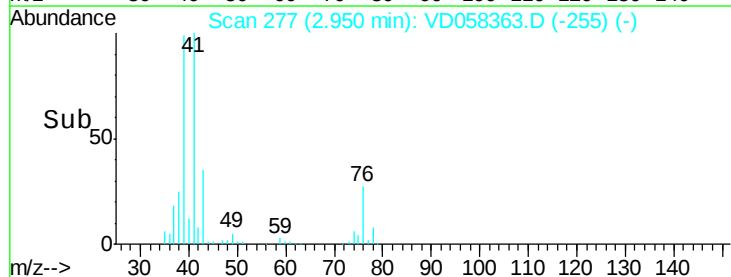
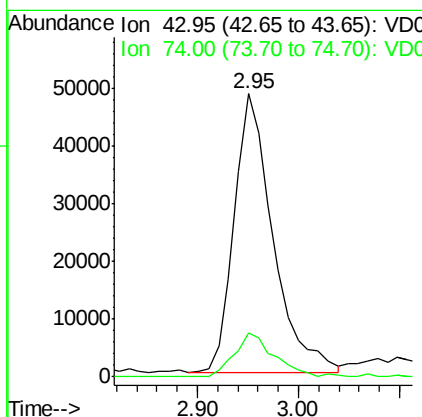
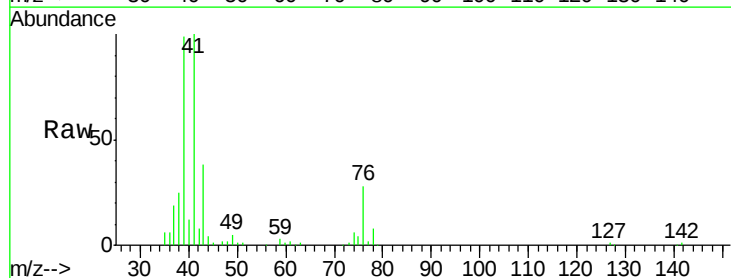
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

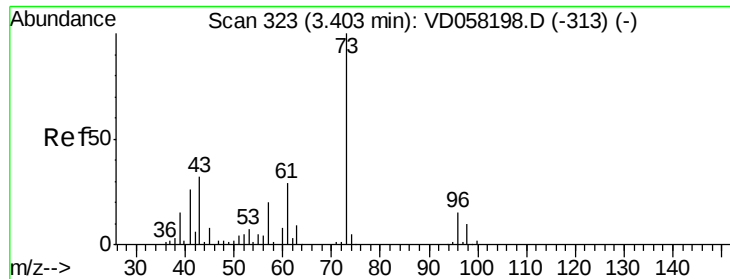
Tot Ion: 76 Resp: 587857
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 42.87 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 130002
Ion Ratio Lower Upper
43 100
74 15.4 11.7 17.5

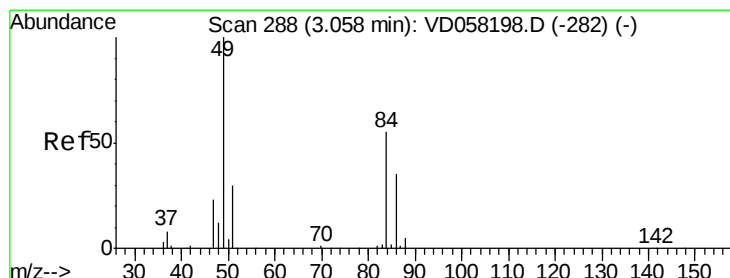
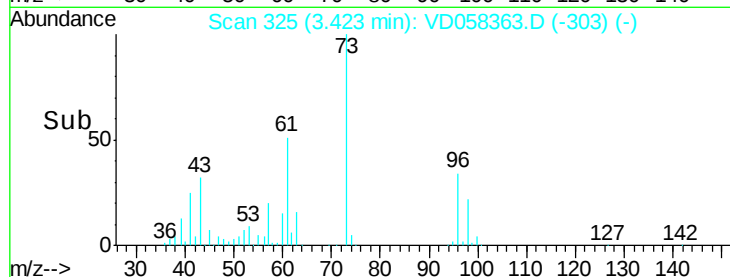
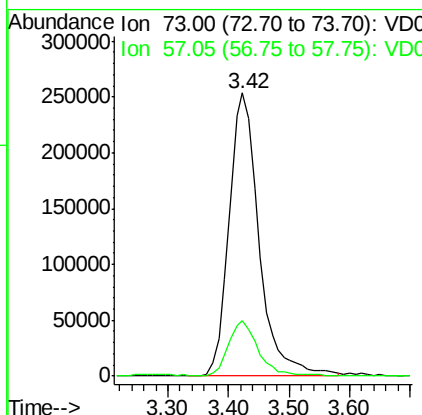
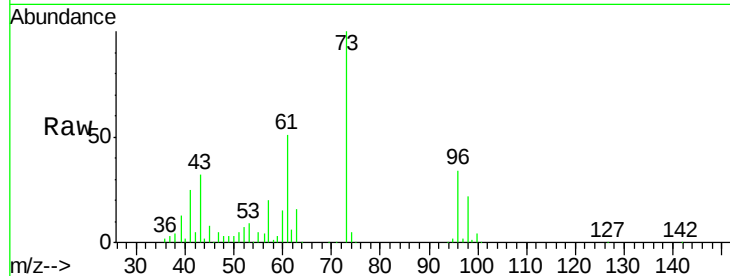




#19
Methvl tert-butvl Ether
Concen: 93.27 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

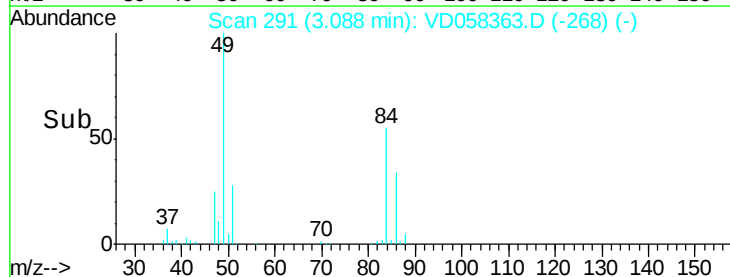
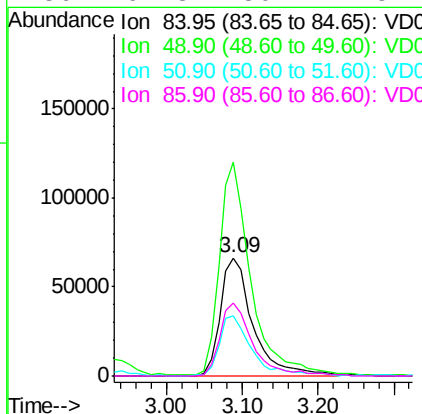
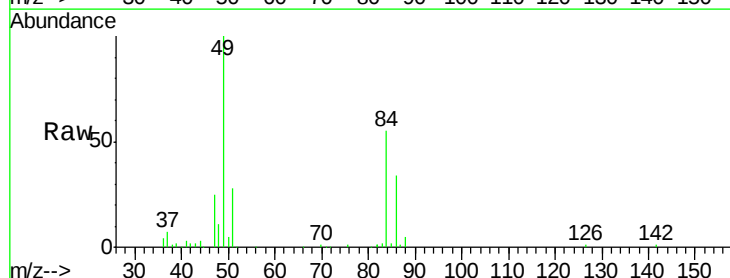
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

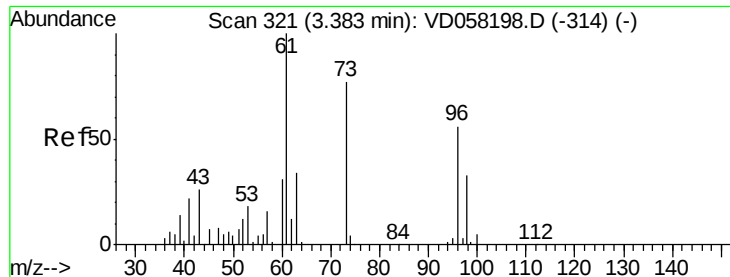
Tot Ion: 73 Resp: 874774
Ion Ratio Lower Upper
73 100
57 19.8 16.6 24.8



#20
Methylene Chloride
Concen: 54.12 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 84 Resp: 199409
Ion Ratio Lower Upper
84 100
49 180.9 145.0 217.6
51 50.8 42.9 64.3
86 61.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 109.60 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

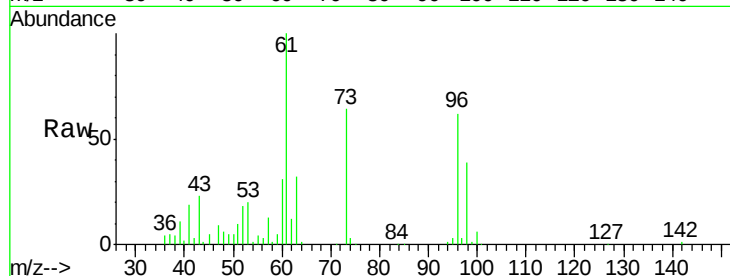
Tot Ion: 96 Resp: 423562

Ion Ratio Lower Upper

96 100

61 160.7 143.8 215.6

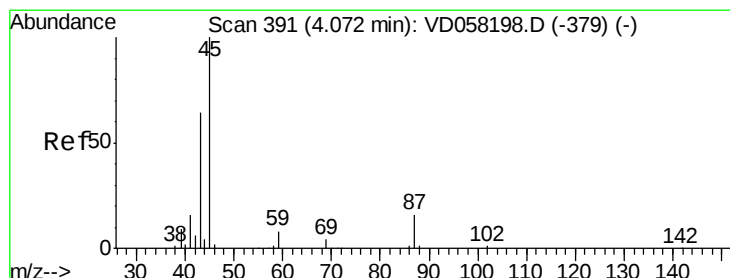
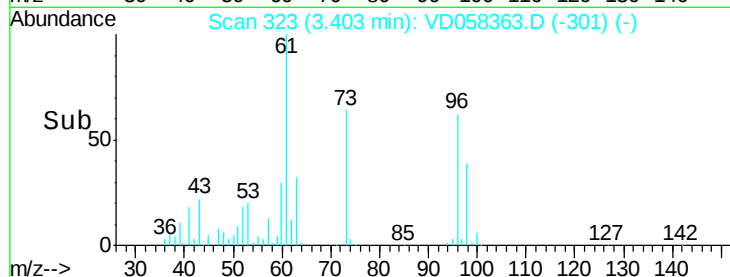
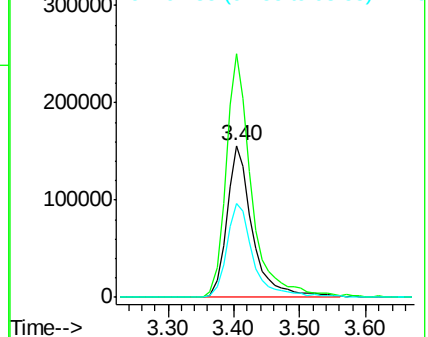
98 62.2 48.0 72.0



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: 47.37 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Tgt Ion: 45 Resp: 1548275

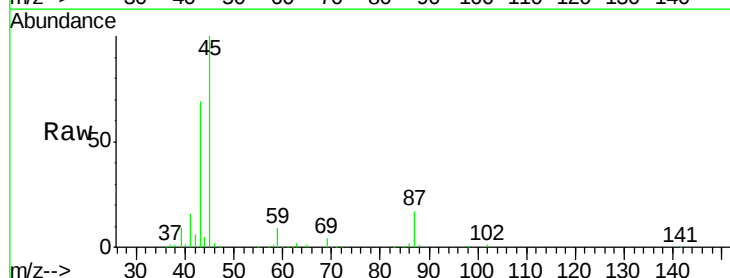
Ion Ratio Lower Upper

45 100

43 69.0 51.4 77.0

87 16.9 13.0 19.4

59 8.8 6.9 10.3

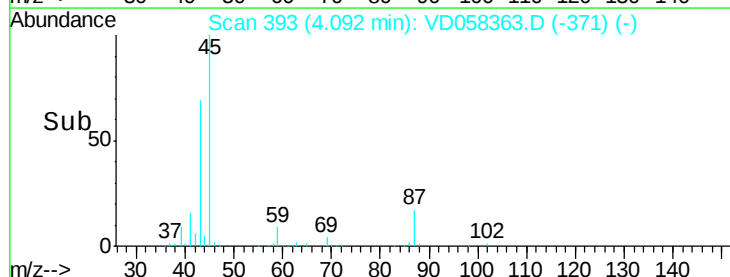
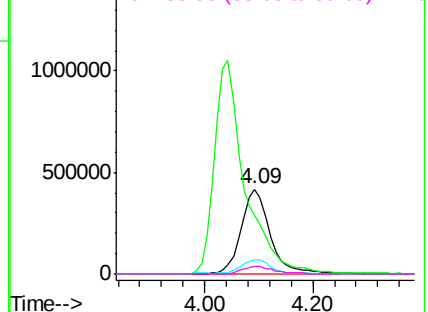


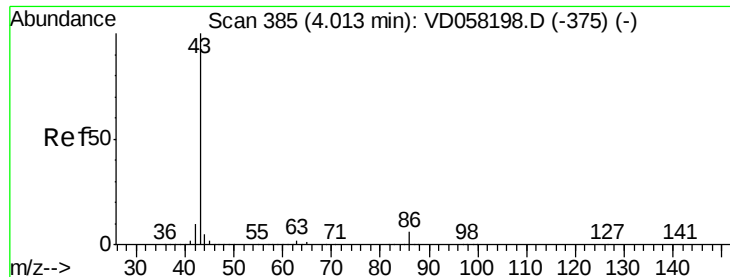
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 231.59 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

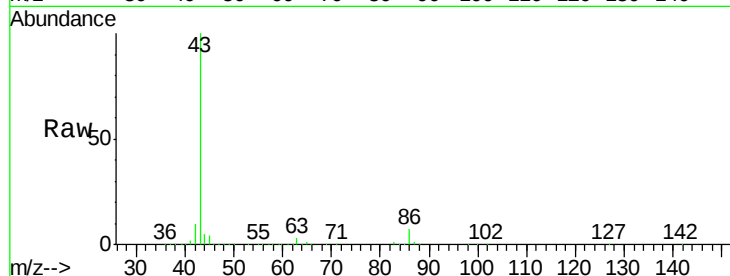
VSTDCCC050

Tot Ion: 43 Resp: 4058073

Ion Ratio Lower Upper

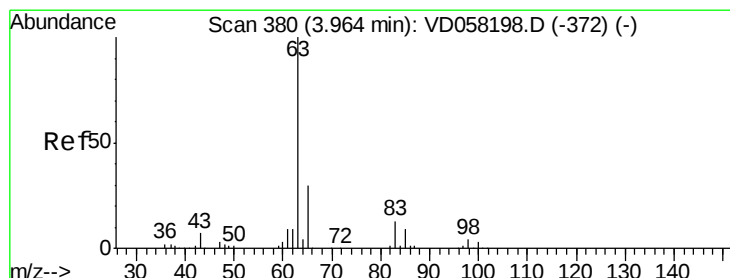
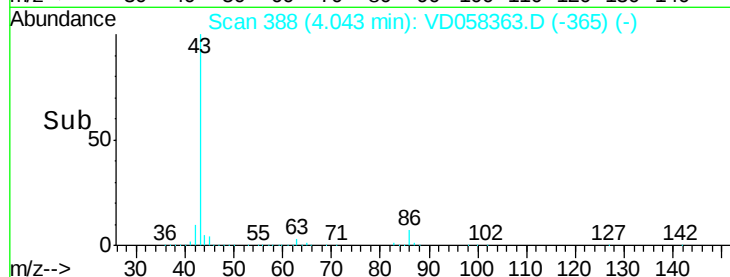
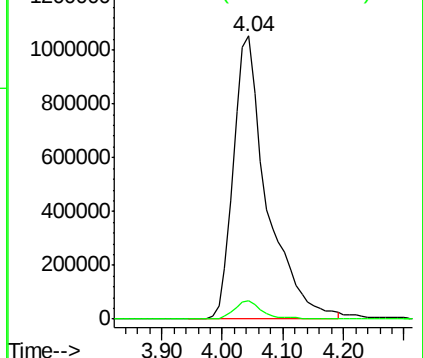
43 100

86 6.7 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: 50.25 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

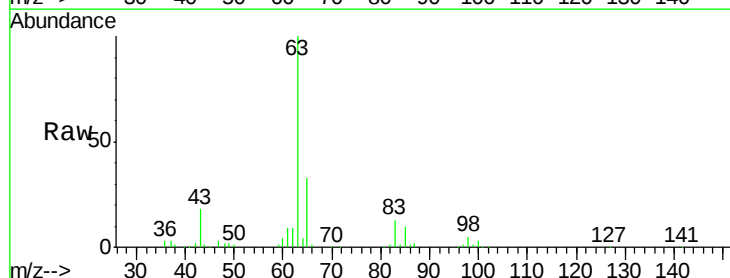
Tgt Ion: 63 Resp: 884972

Ion Ratio Lower Upper

63 100

98 4.8 1.9 5.7

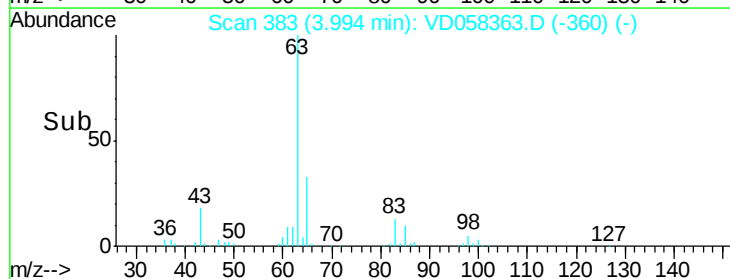
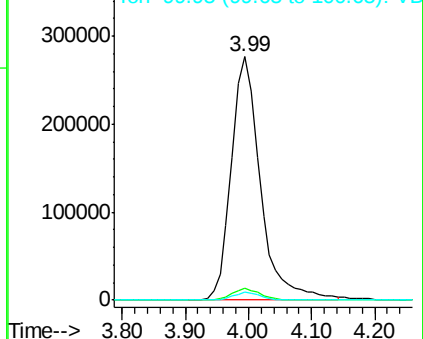
100 3.2 1.3 3.9

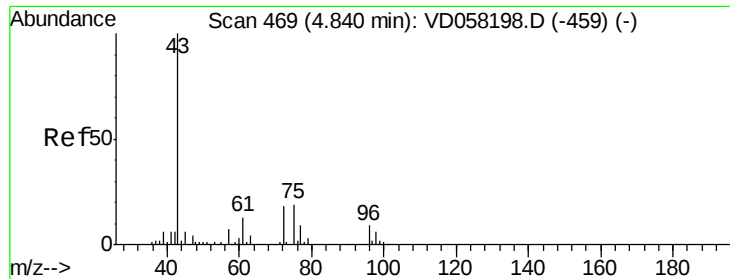


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 222.33 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

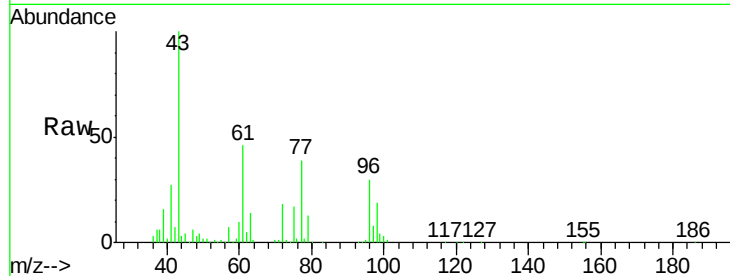
VSTDCCC050

Tot Ion: 43 Resp: 688960

Ion Ratio Lower Upper

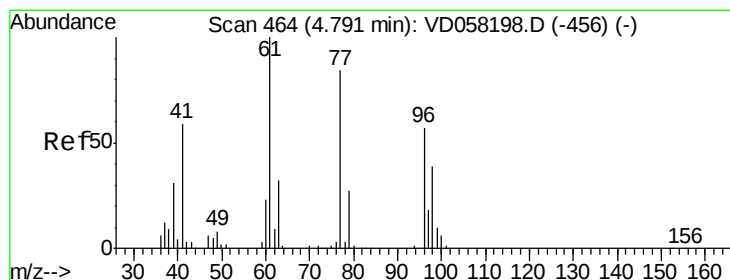
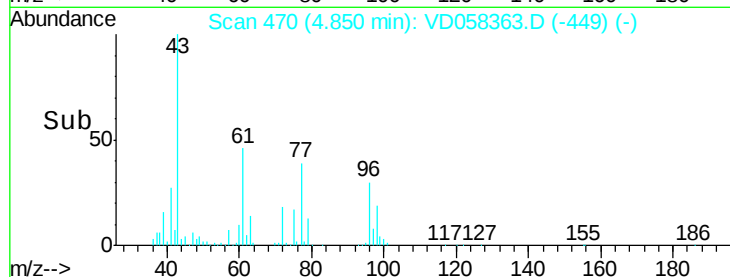
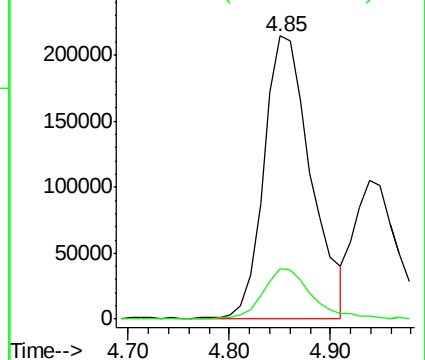
43 100

72 18.0 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.73 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058363.D

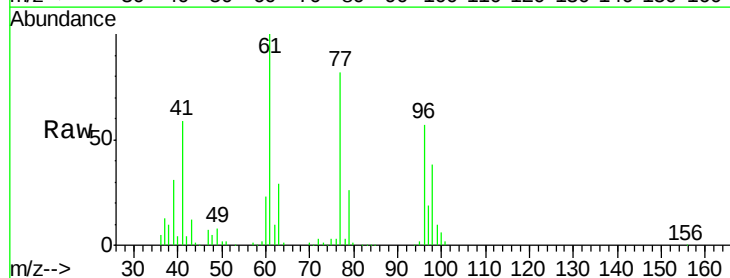
Acq: 24 Jun 2018 10:54

Tgt Ion: 77 Resp: 777601

Ion Ratio Lower Upper

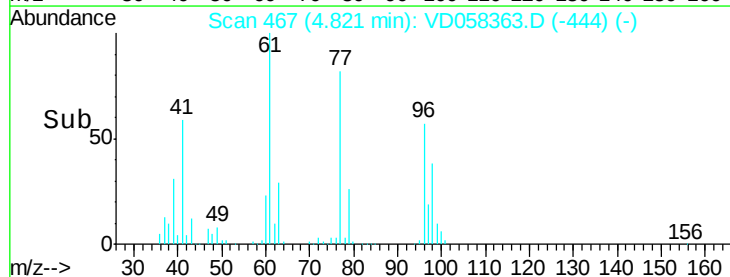
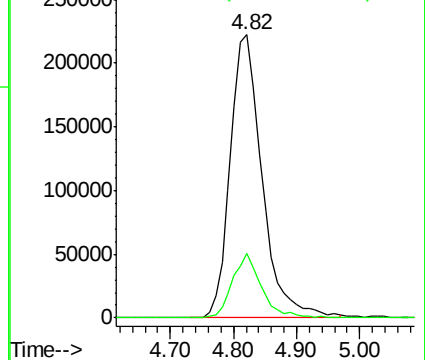
77 100

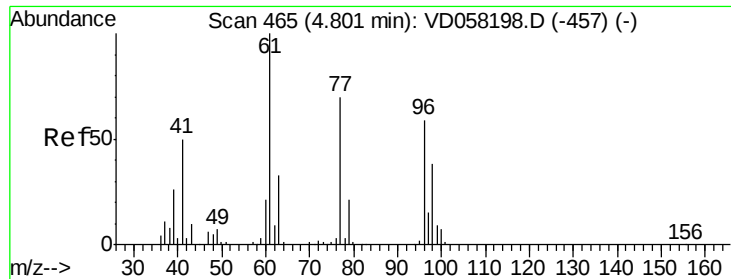
97 22.9 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



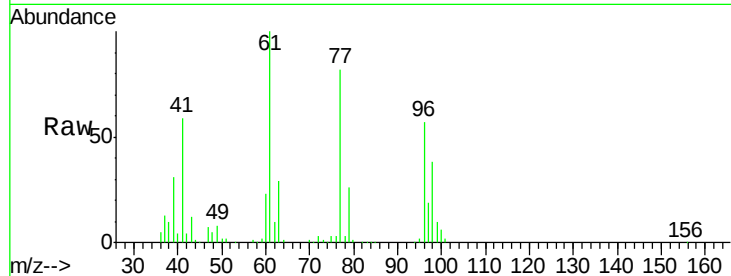


#27

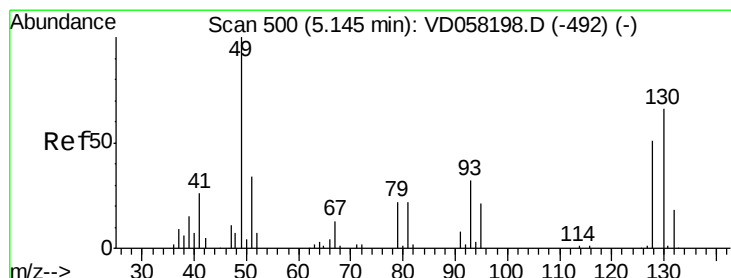
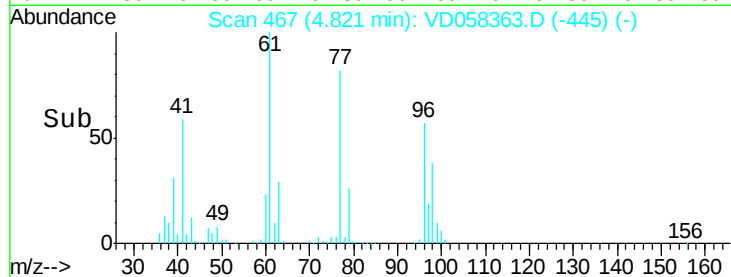
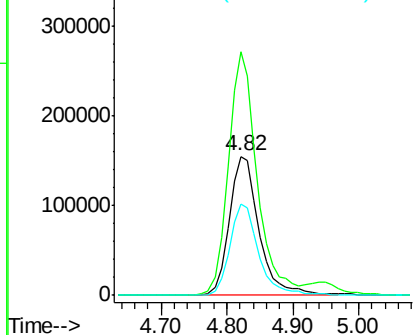
cis-1,2-Dichloroethene
Concen: 50.56 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 488292
Ion Ratio Lower Upper
96 100
61 175.0 0.0 338.6
98 65.9 0.0 130.2



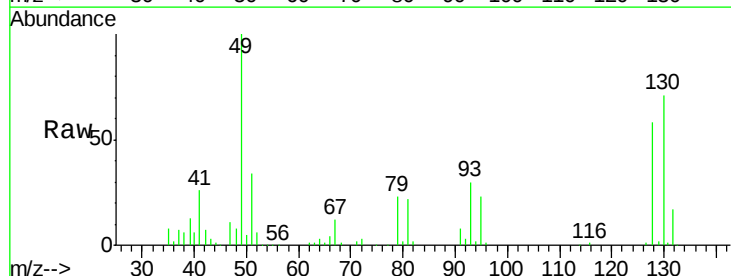
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



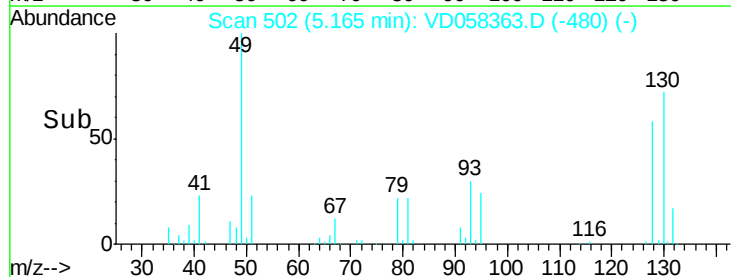
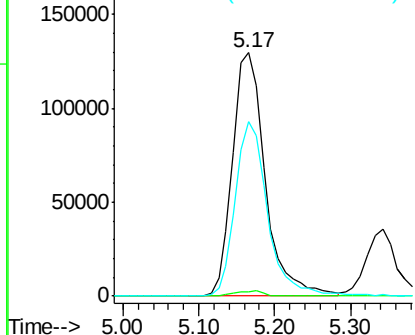
#28

Bromochloromethane
Concen: 49.27 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 49 Resp: 388960
Ion Ratio Lower Upper
49 100
129 1.9 0.0 0.0#
130 71.5 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: 199.46 ug/l

RT: 5.20 min Scan# 506

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

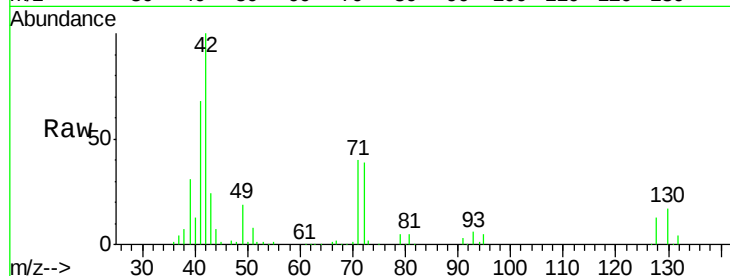
Tot Ion: 42 Resp: 328987

Ion Ratio Lower Upper

42 100

72 39.7 30.2 45.2

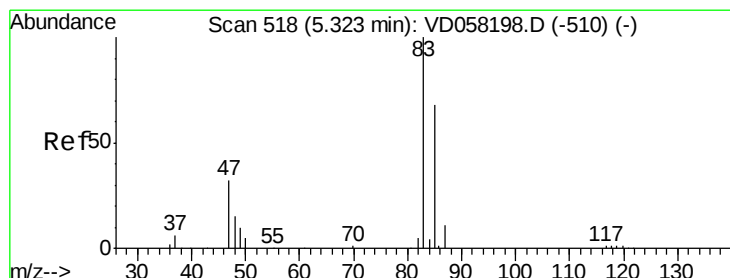
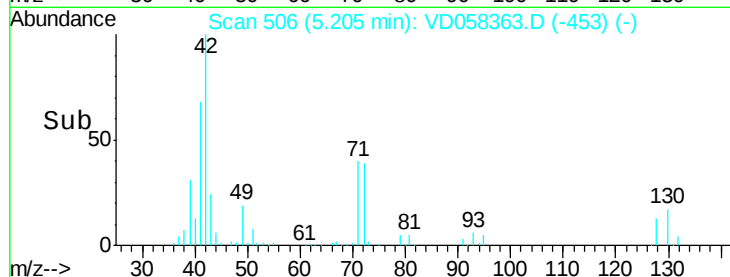
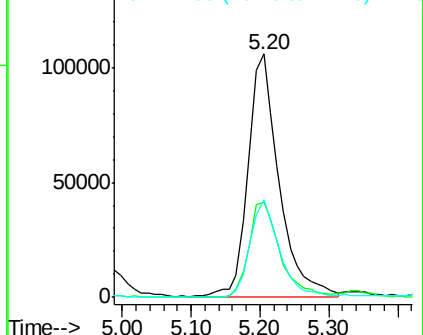
71 38.5 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.13 ug/l

RT: 5.34 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD058363.D

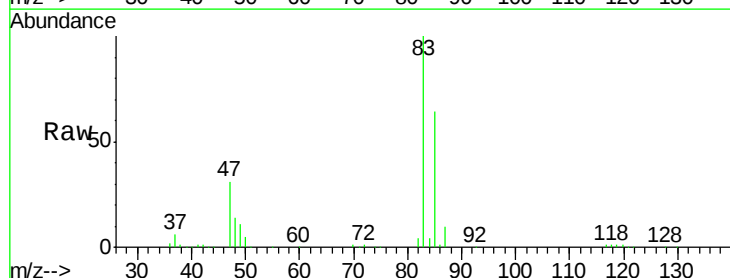
Acq: 24 Jun 2018 10:54

Tgt Ion: 83 Resp: 950630

Ion Ratio Lower Upper

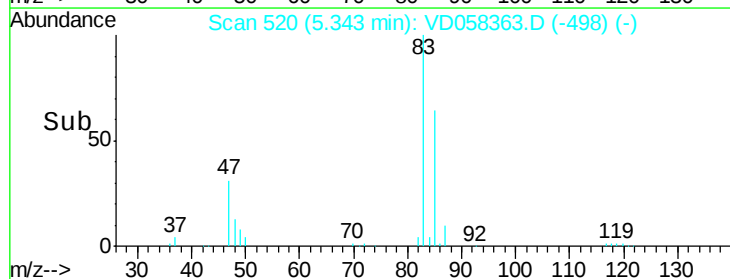
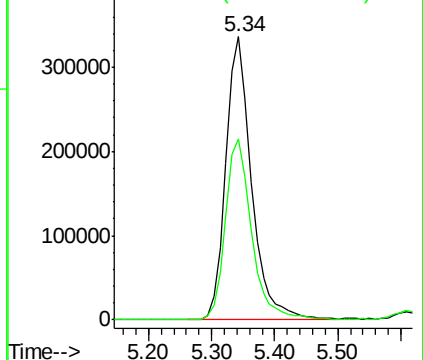
83 100

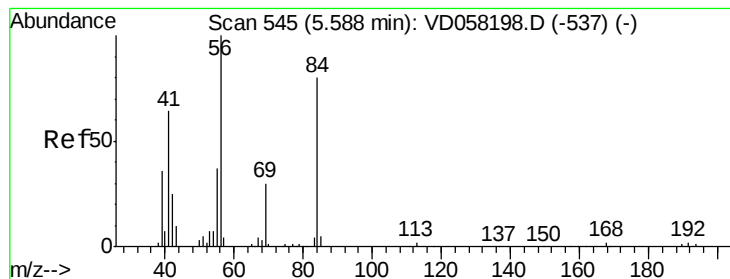
85 63.9 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 52.44 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

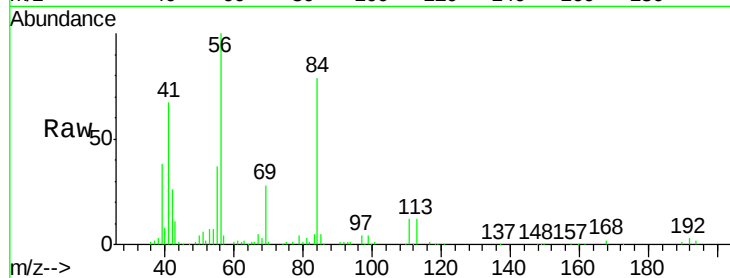
Tot Ion: 56 Resp: 667273

Ion Ratio Lower Upper

56 100

69 28.4 23.6 35.4

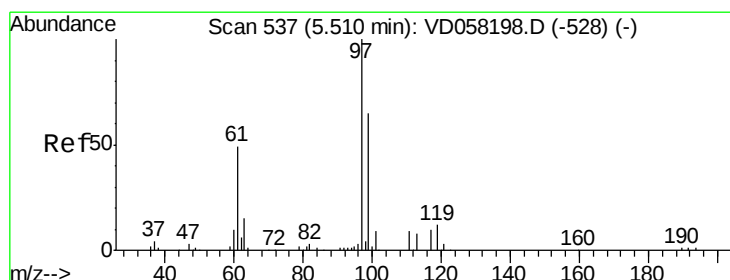
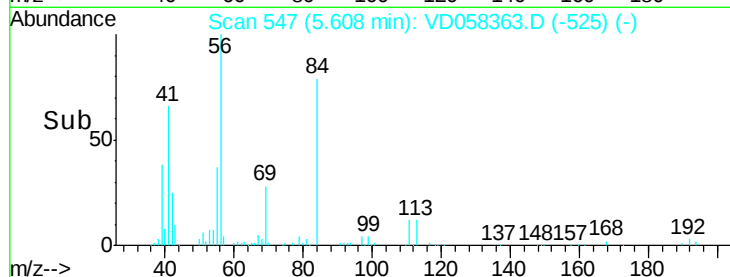
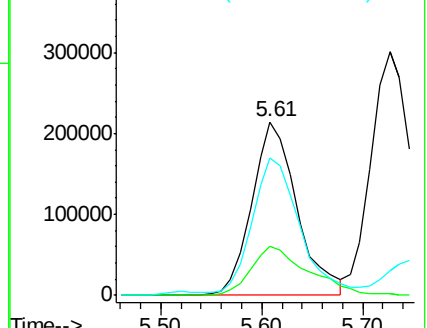
84 79.0 65.2 97.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.92 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

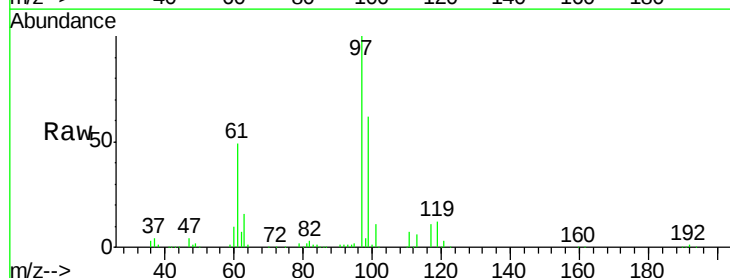
Tgt Ion: 97 Resp: 828218

Ion Ratio Lower Upper

97 100

99 62.1 52.2 78.4

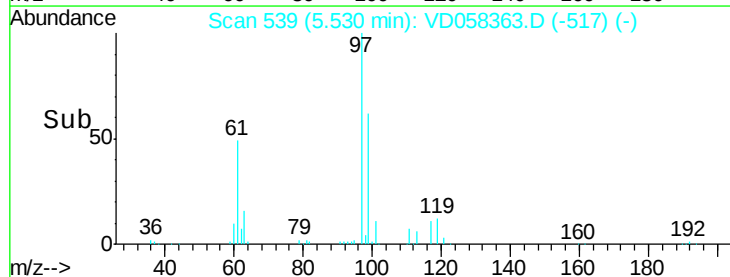
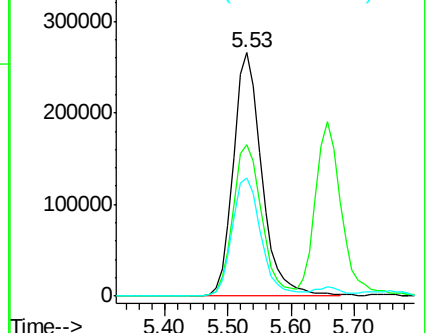
61 48.8 39.0 58.4

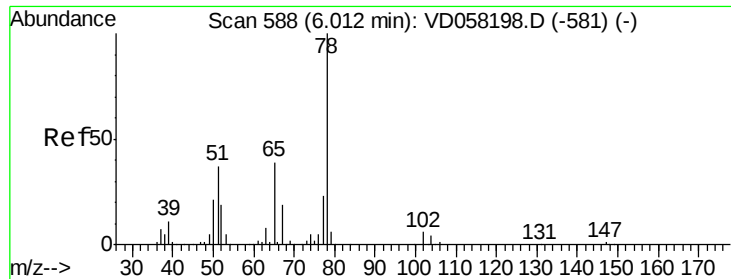


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

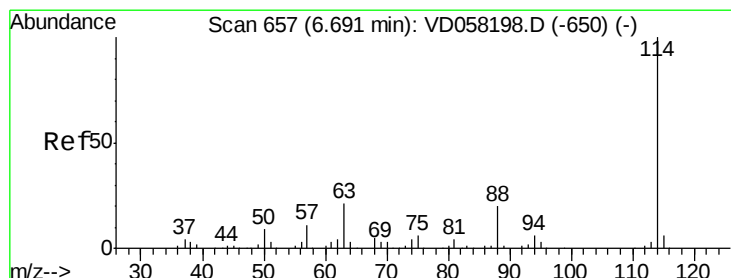
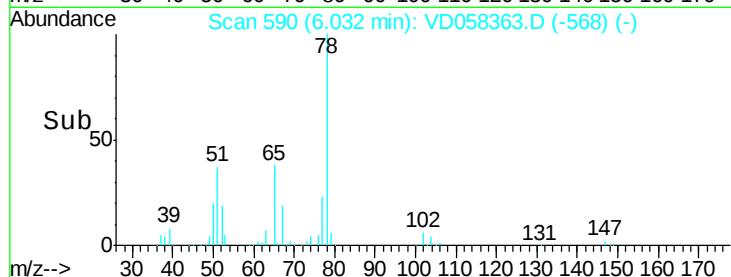
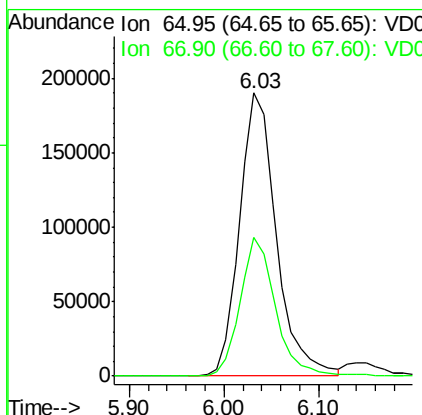
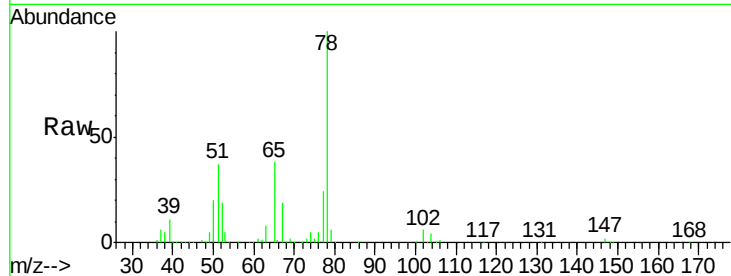




#33
 1,2-Dichloroethane-d4
 Concen: 53.92 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

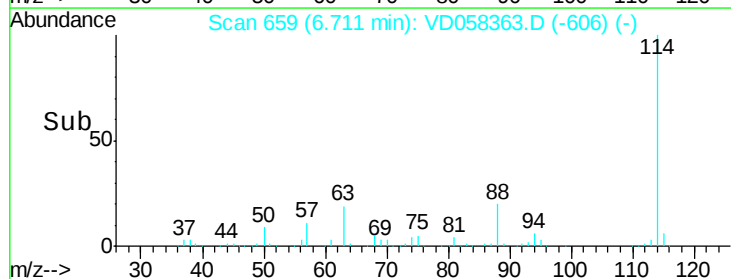
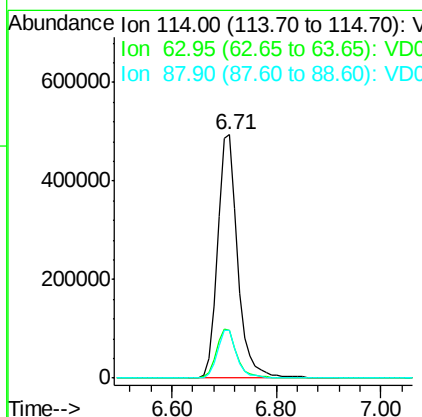
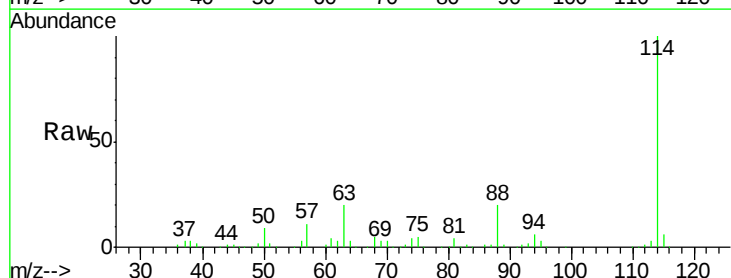
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

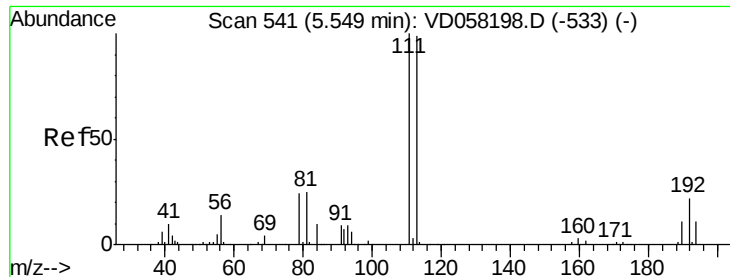
Tot Ion: 65 Resp: 513003
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 114 Resp: 1317902
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 19.6 0.0 40.6

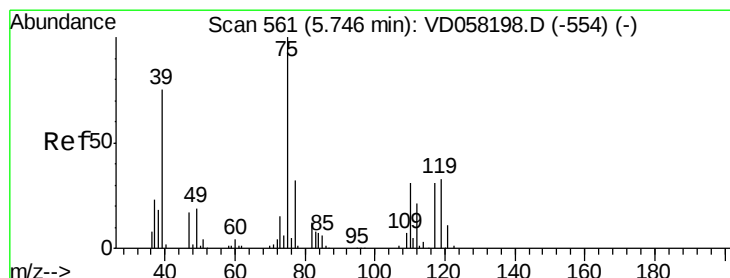
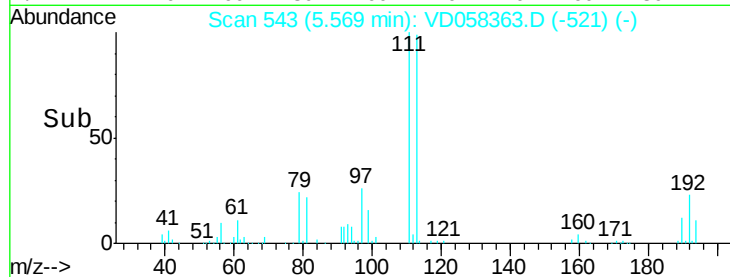
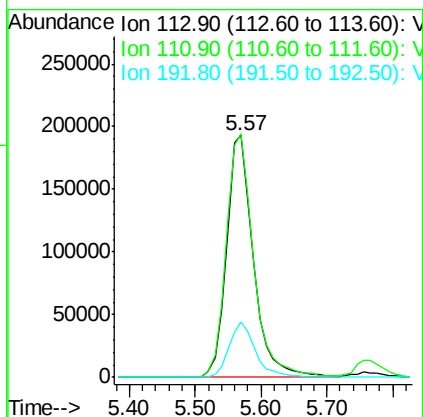
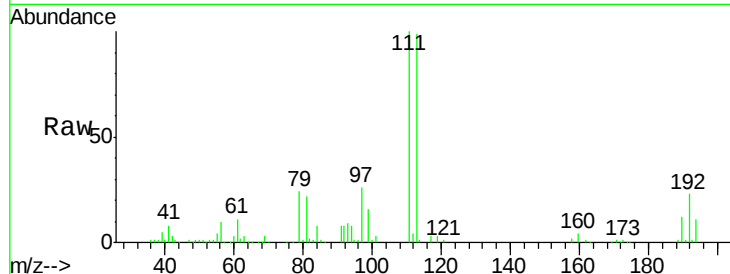




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

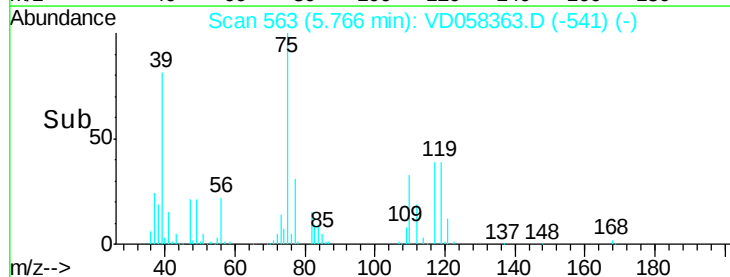
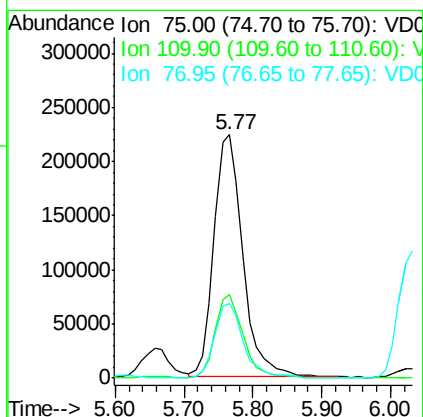
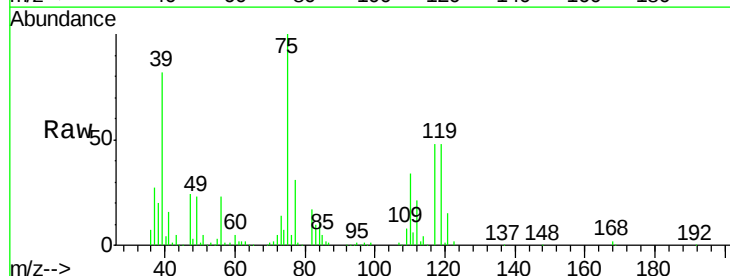
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

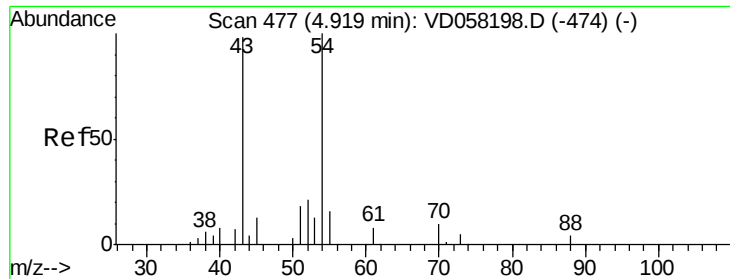
Tot Ion:113 Resp: 552156
 Ion Ratio Lower Upper
 113 100
 111 100.5 80.6 121.0
 192 22.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 50.09 ug/l
 RT: 5.77 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 75 Resp: 653070
 Ion Ratio Lower Upper
 75 100
 110 34.2 15.4 46.4
 77 30.6 25.4 38.2

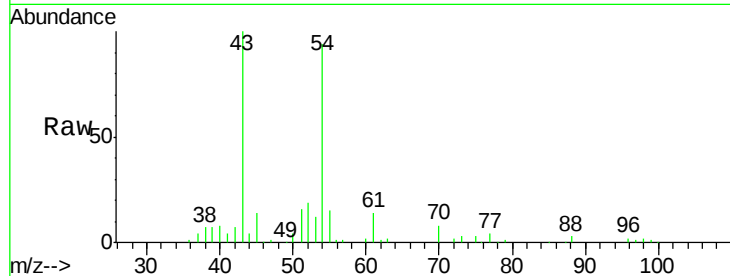




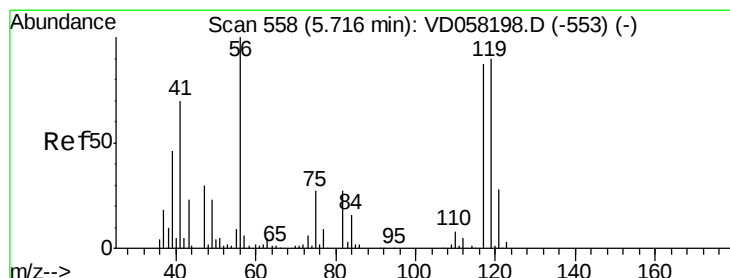
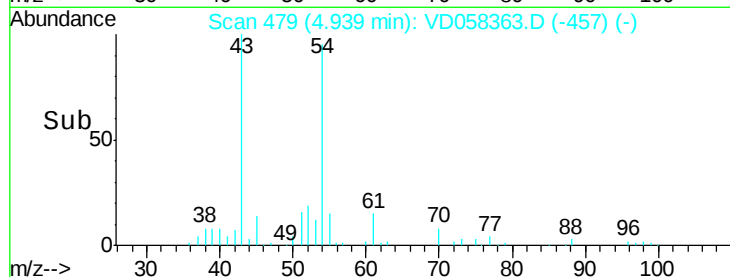
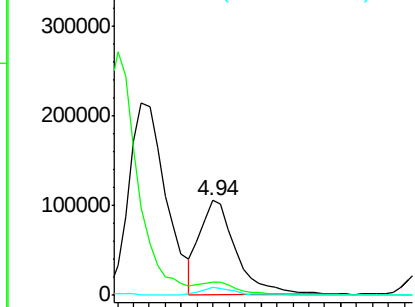
#37
Ethyl Acetate
Concen: 44.04 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 327151
Ion Ratio Lower Upper
43 100
61 14.5 10.3 15.5
70 8.3 5.7 8.5

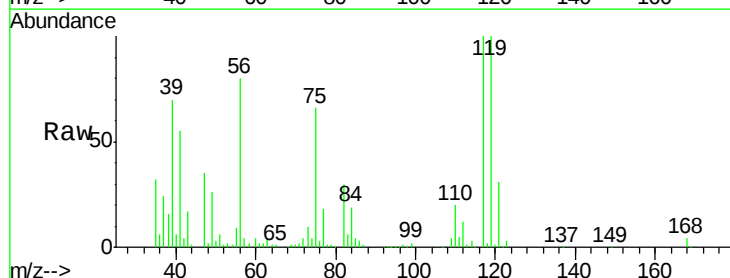


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

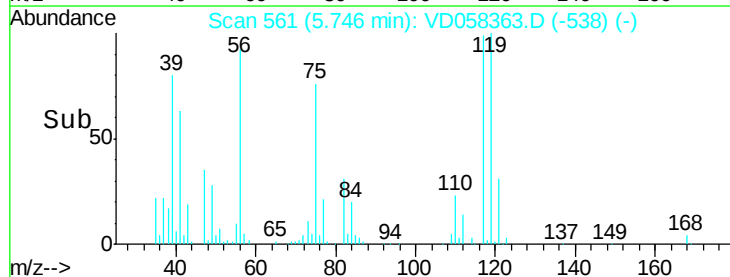
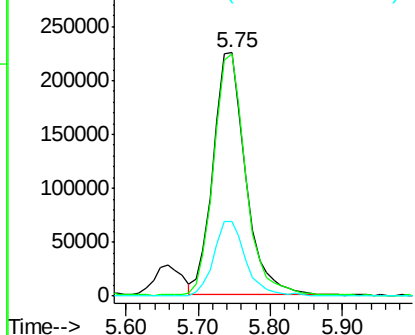


#38
Carbon Tetrachloride
Concen: 54.17 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 117 Resp: 701682
Ion Ratio Lower Upper
117 100
119 99.6 78.8 118.2
121 30.9 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

Methvlcvclohexane

Concen: 50.29 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

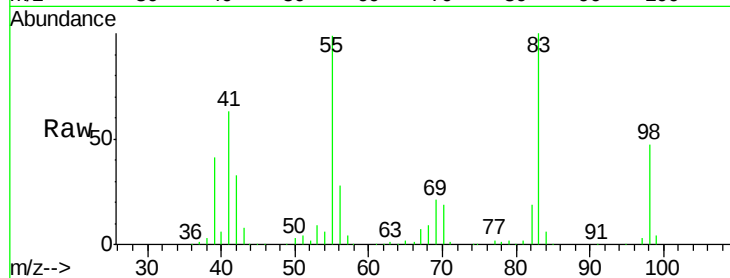
Tot Ion: 83 Resp: 638601

Ion Ratio Lower Upper

83 100

55 98.7 77.4 116.2

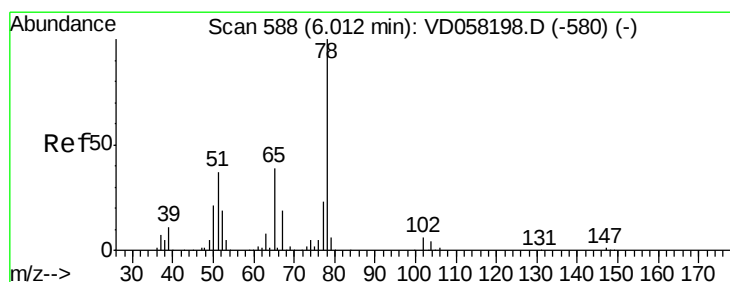
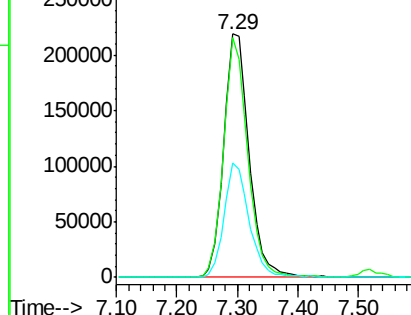
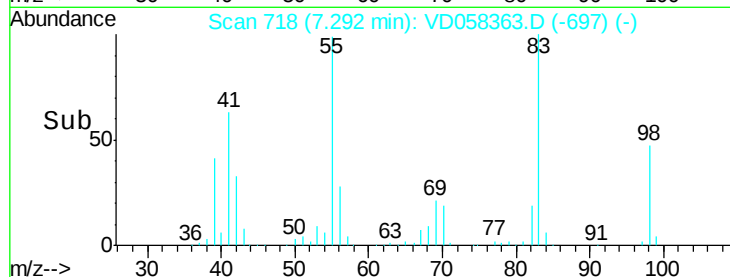
98 46.8 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.42 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058363.D

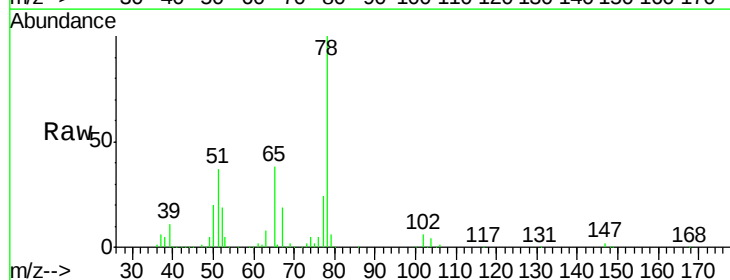
Acq: 24 Jun 2018 10:54

Tgt Ion: 78 Resp: 1472645

Ion Ratio Lower Upper

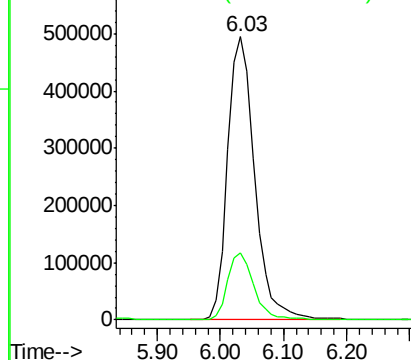
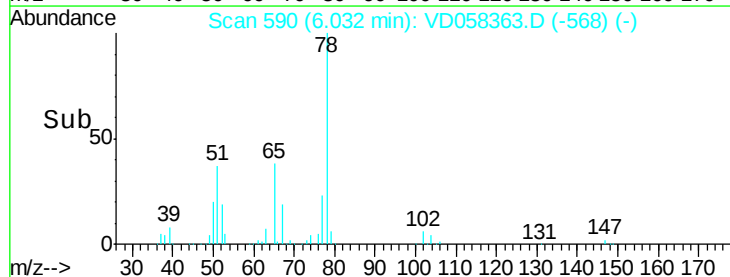
78 100

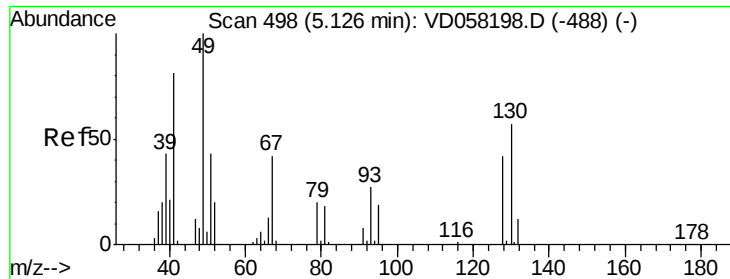
77 23.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

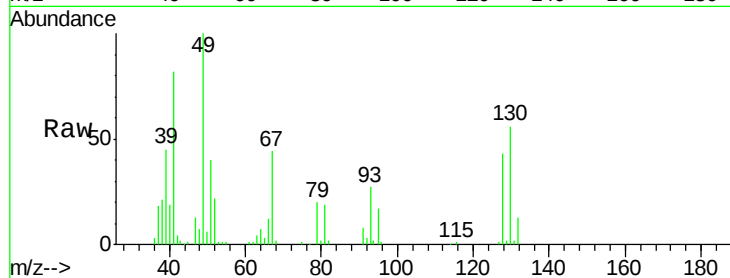




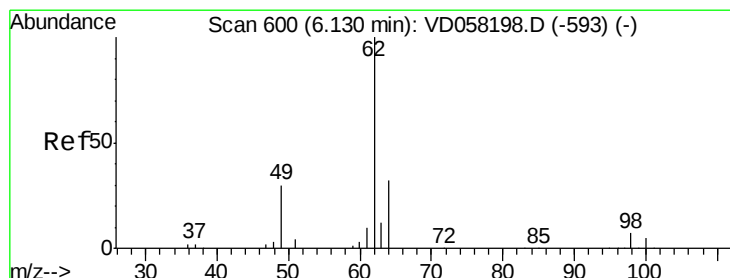
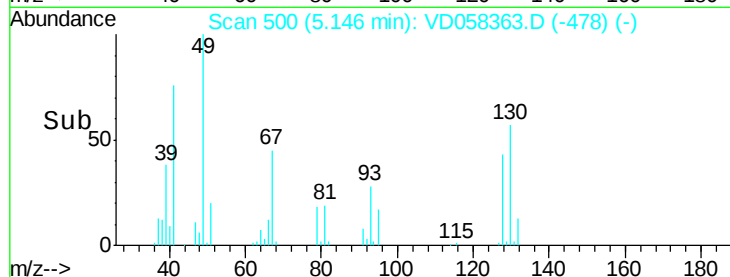
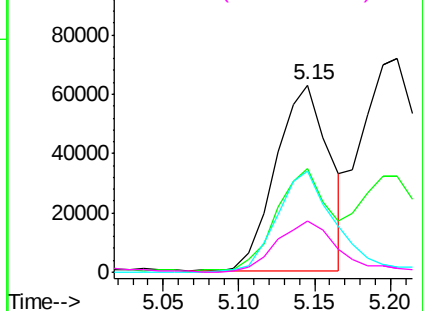
#41
Methacrylonitrile
Concen: 43.30 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 155304
Ion Ratio Lower Upper
41 100
39 55.4 43.4 65.2
67 54.2 41.7 62.5
52 27.1 20.6 30.8

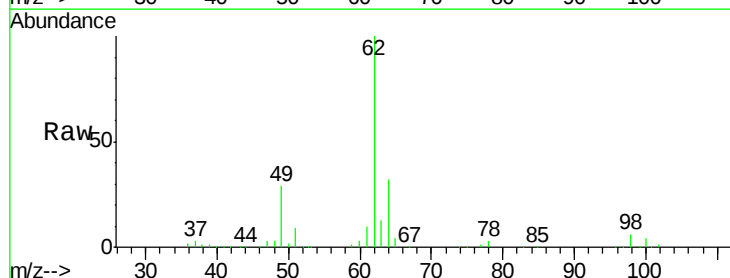


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

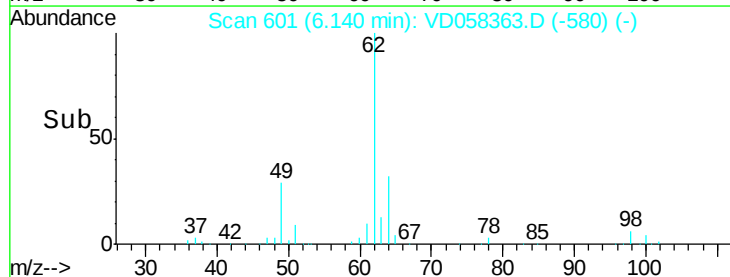
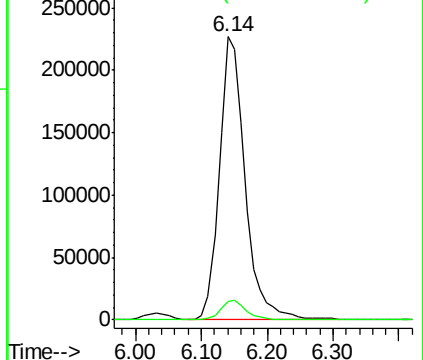


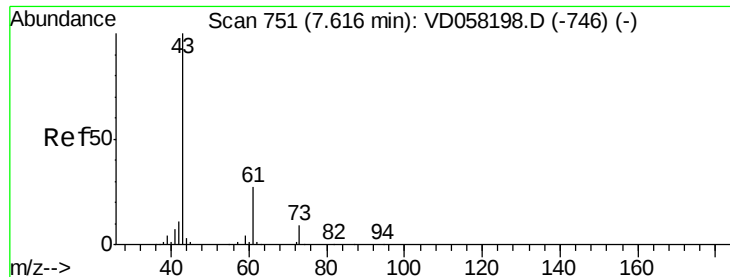
#42
1,2-Dichloroethane
Concen: 48.91 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 62 Resp: 612543
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2



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



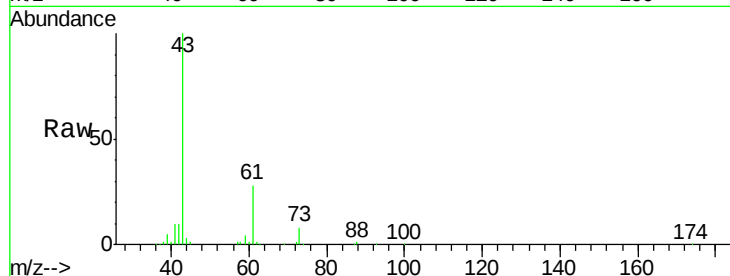


#43

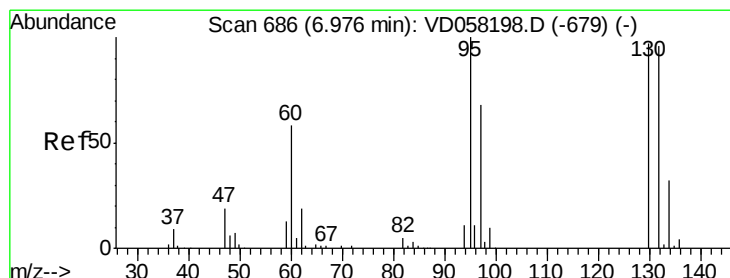
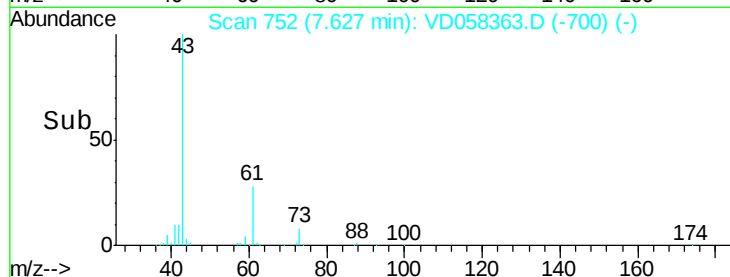
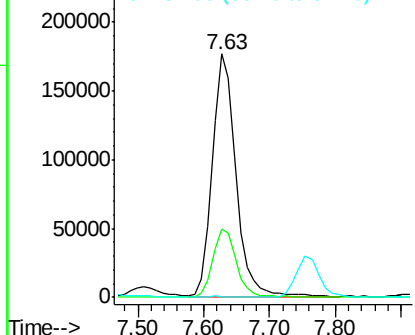
Isopropyl Acetate
 Concen: 43.83 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 434110
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.8 32.6
 87 0.3 0.3 0.5



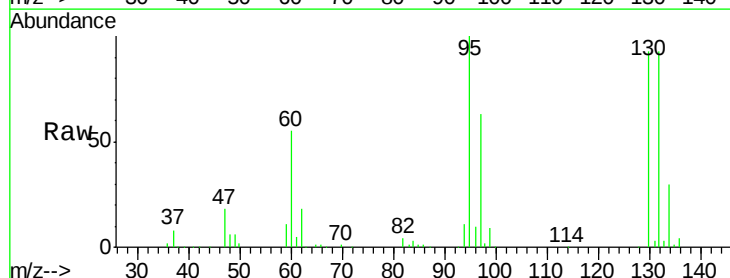
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



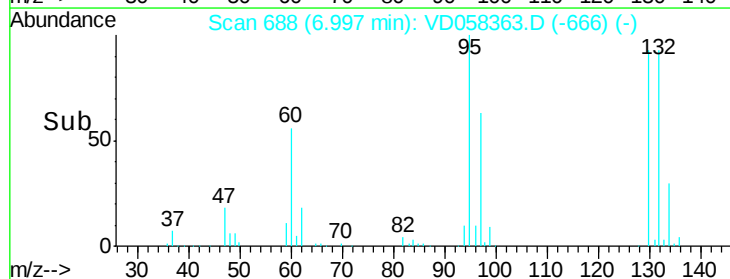
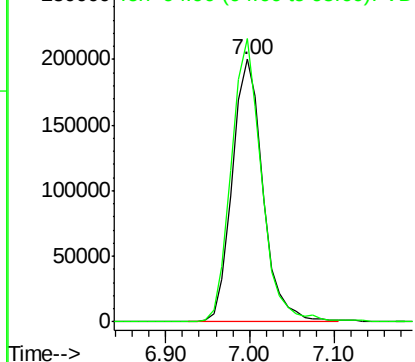
#44

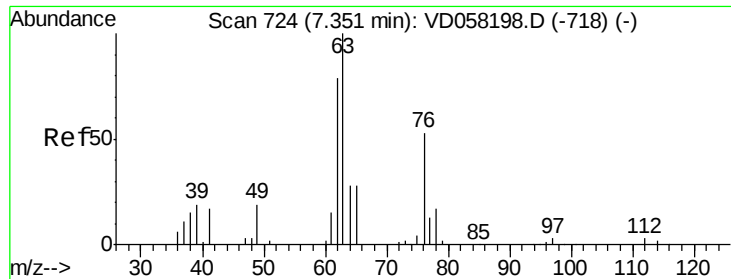
Trichloroethene
 Concen: 54.59 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.02 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 130 Resp: 509049
 Ion Ratio Lower Upper
 130 100
 95 107.9 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: 50.73 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

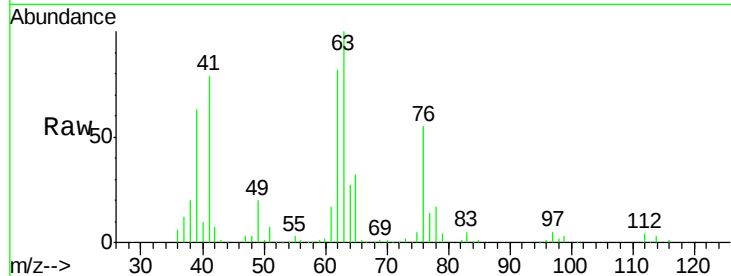
VSTDCCC050

Tot Ion: 63 Resp: 424304

Ion Ratio Lower Upper

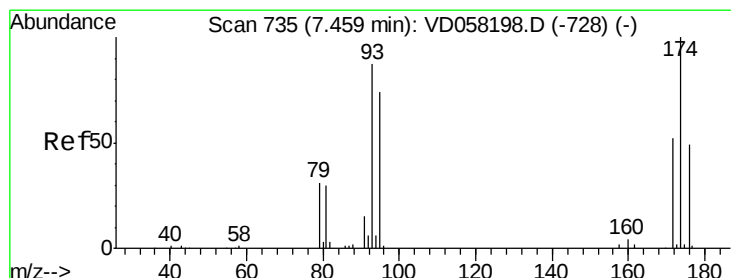
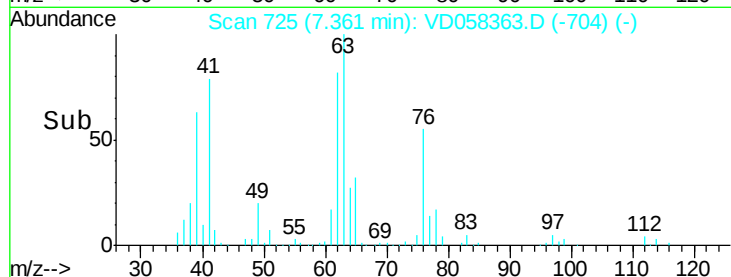
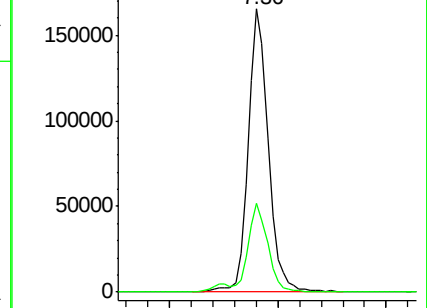
63 100

65 31.5 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.03 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

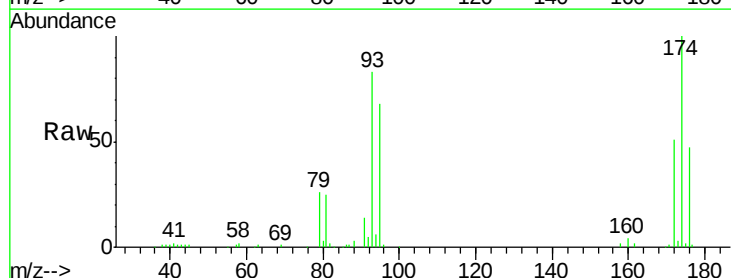
Tgt Ion: 93 Resp: 285631

Ion Ratio Lower Upper

93 100

95 82.0 67.8 101.6

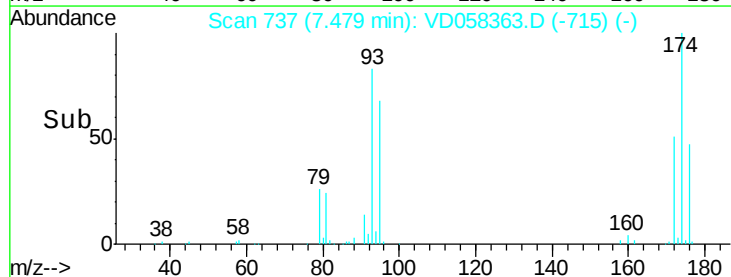
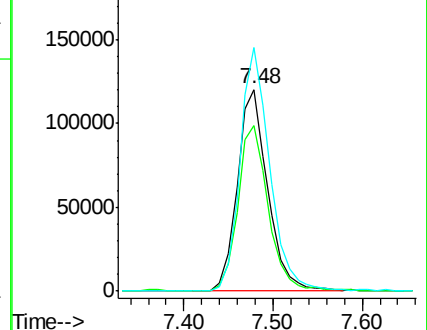
174 120.8 92.2 138.2

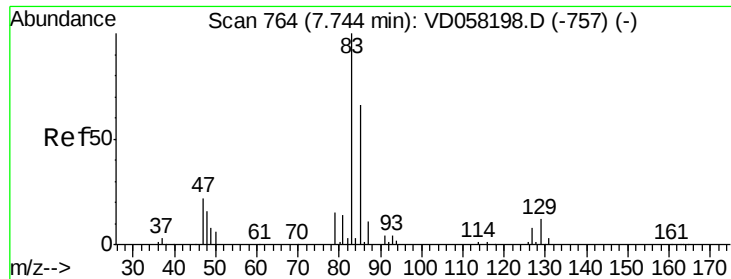


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.84 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

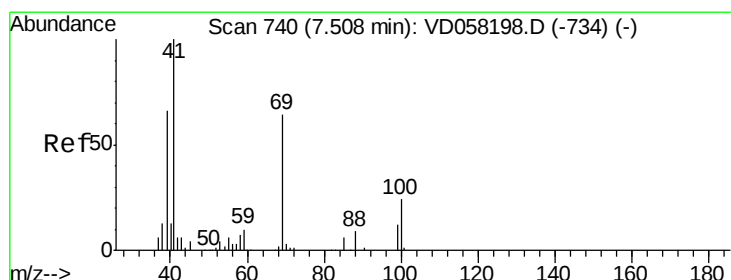
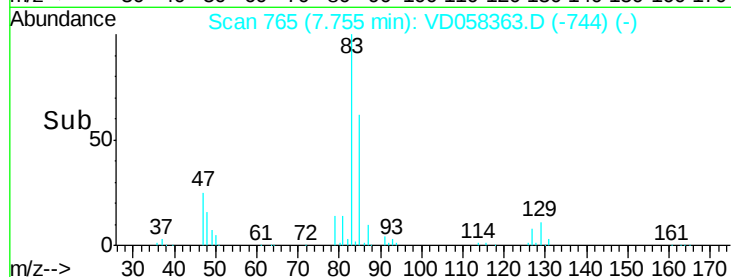
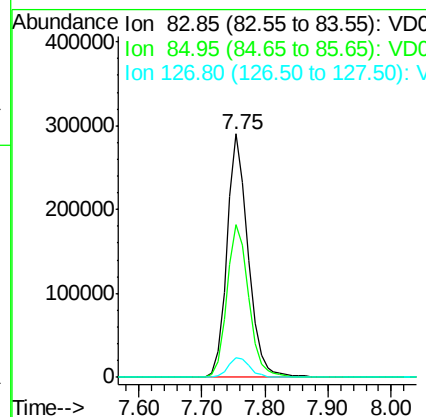
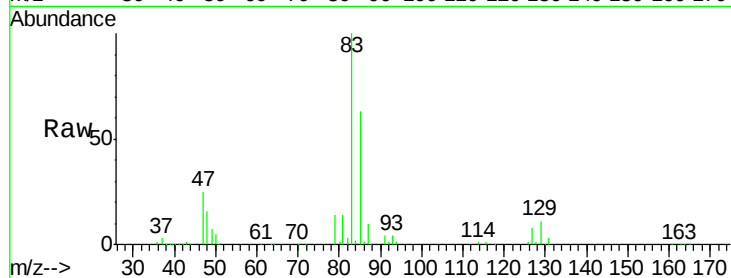
Tot Ion: 83 Resp: 674947

Ion Ratio Lower Upper

83 100

85 62.6 52.6 78.8

127 7.9 6.2 9.4



#48

Methyl methacrylate

Concen: 43.98 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

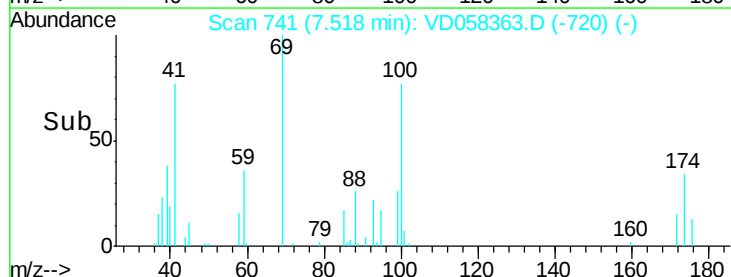
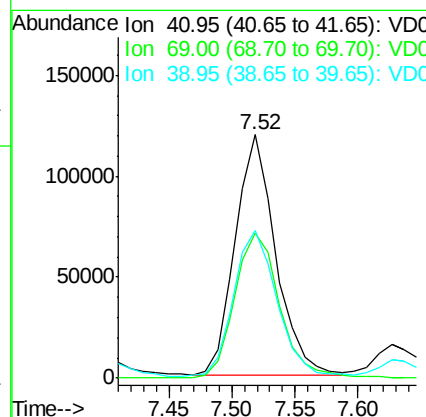
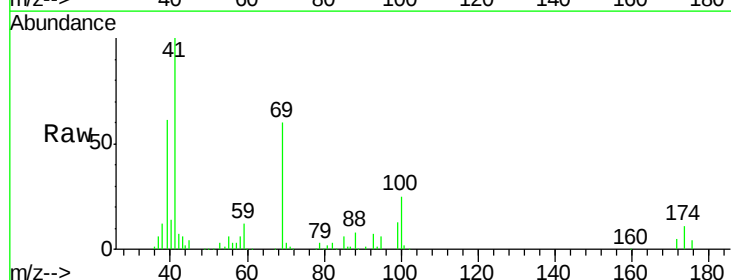
Tgt Ion: 41 Resp: 264691

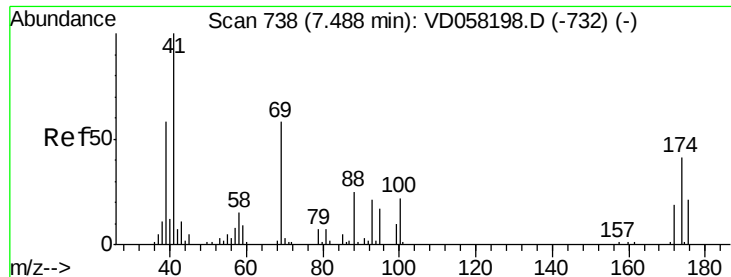
Ion Ratio Lower Upper

41 100

69 59.6 50.7 76.1

39 60.8 52.6 78.8





#49

1,4-Dioxane

Concen: 919.25 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

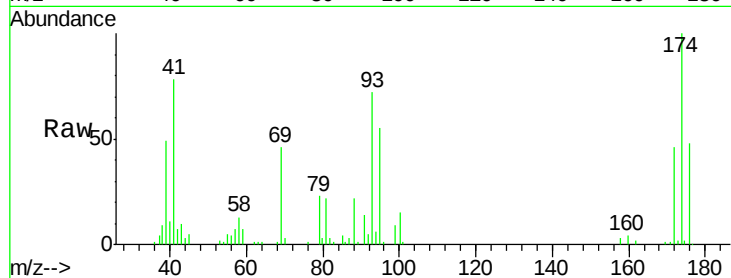
Tot Ion: 88 Resp: 49945

Ion Ratio Lower Upper

88 100

43 46.2 34.2 51.2

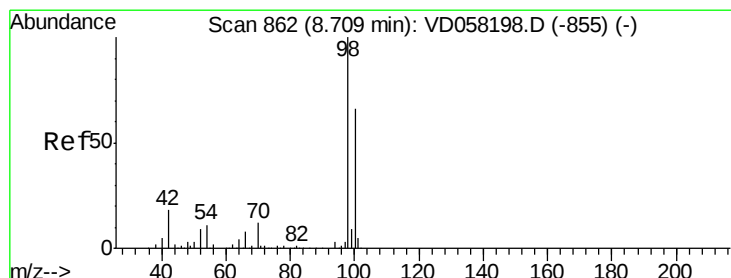
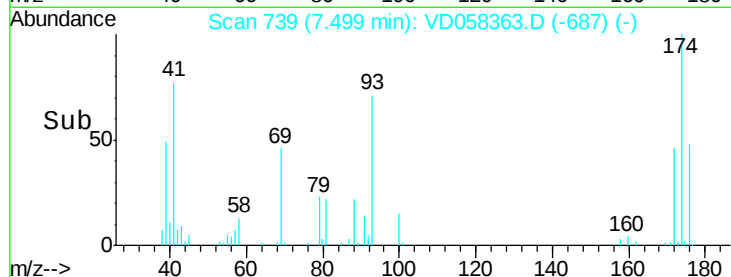
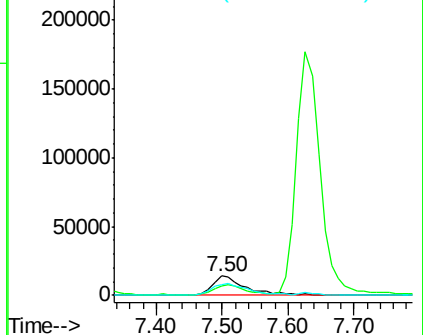
58 57.8 47.9 71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 919.25 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058363.D

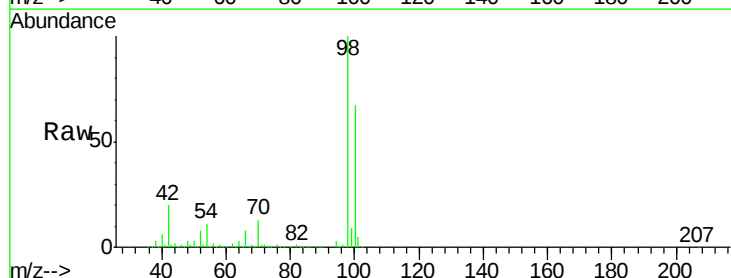
Acq: 24 Jun 2018 10:54

Tgt Ion: 98 Resp: 1333990

Ion Ratio Lower Upper

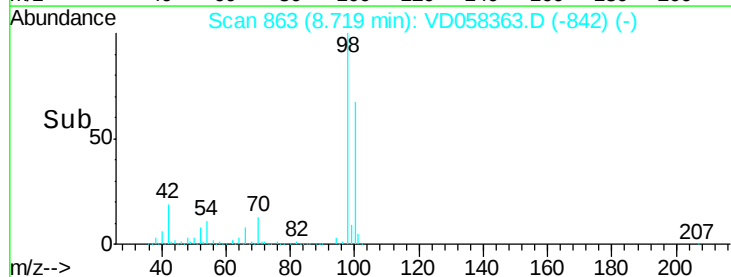
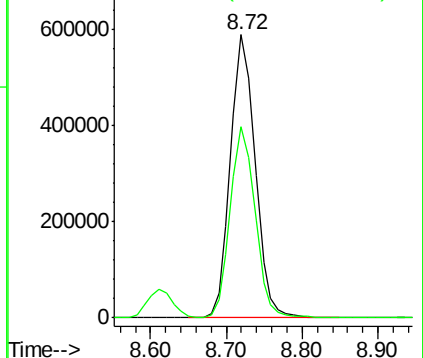
98 100

100 67.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 224.37 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

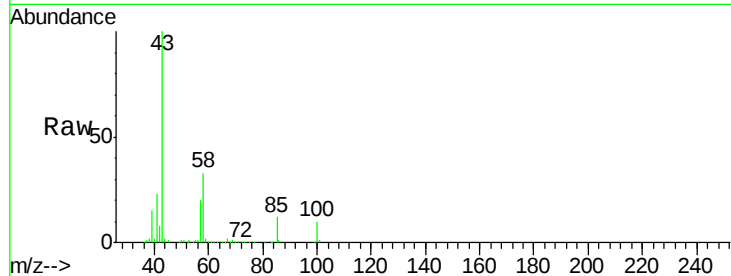
VSTDCCC050

Tot Ion: 43 Resp: 1449396

Ion Ratio Lower Upper

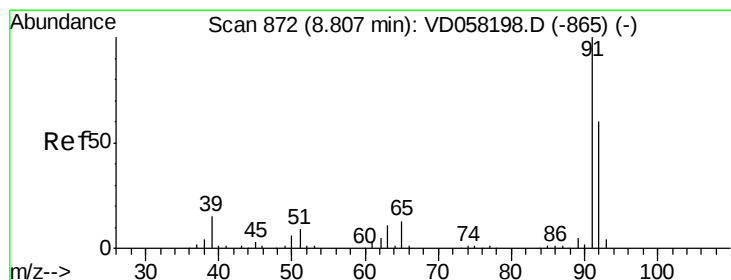
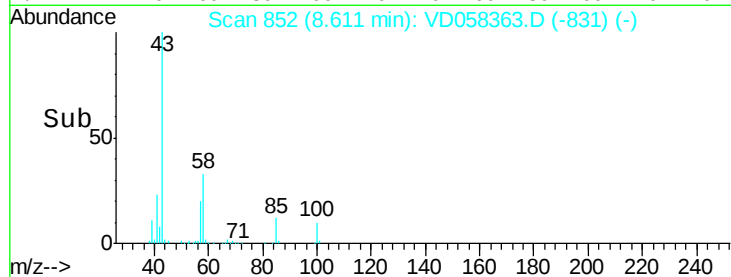
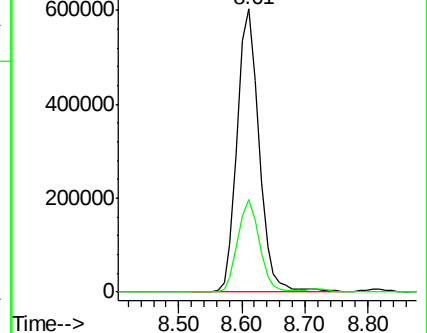
43 100

58 33.0 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: 50.58 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058363.D

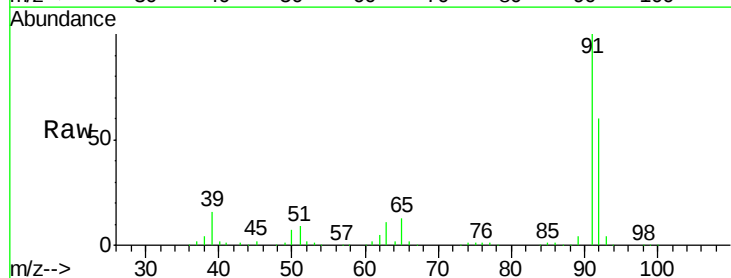
Acq: 24 Jun 2018 10:54

Tgt Ion: 92 Resp: 894419

Ion Ratio Lower Upper

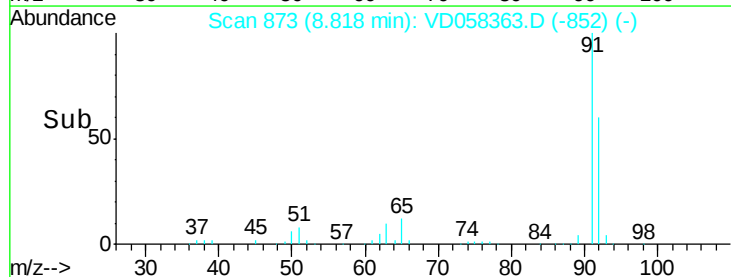
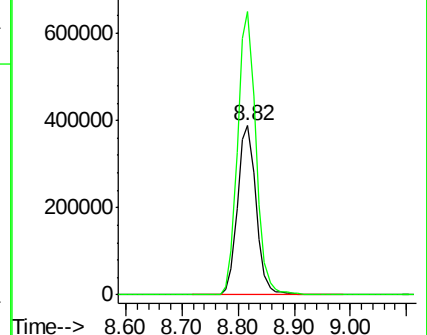
92 100

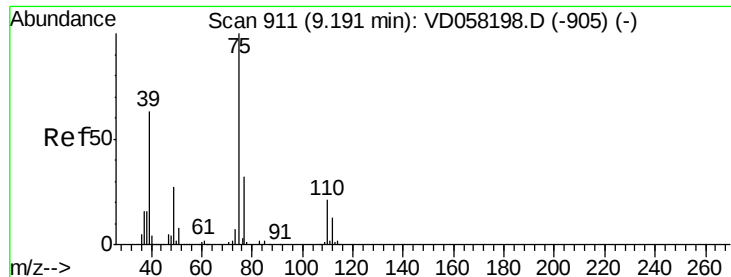
91 167.2 133.2 199.8



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: 50.40 ug/l

RT: 9.20 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

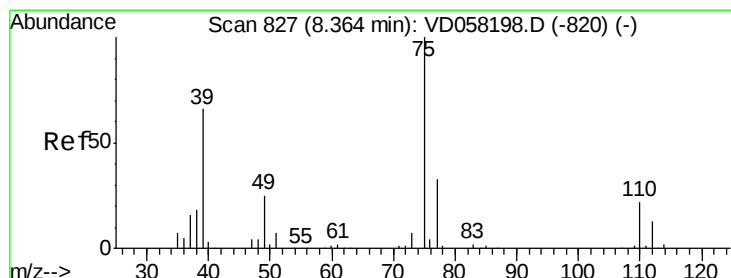
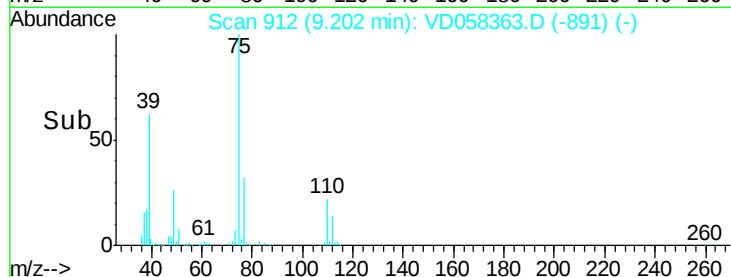
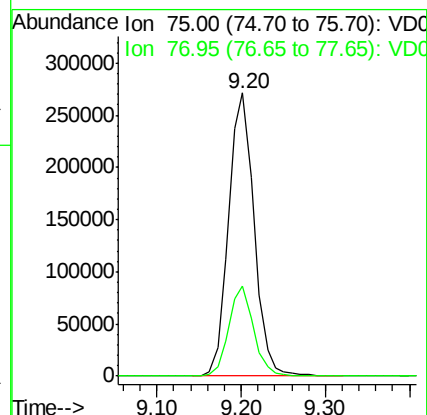
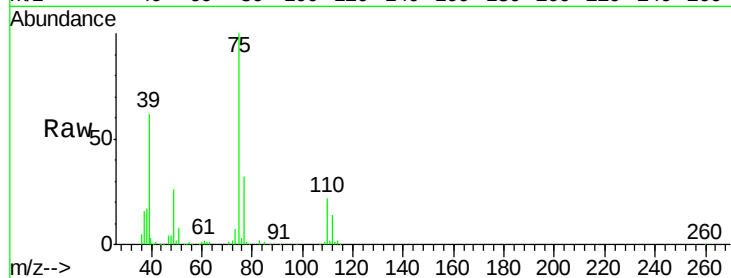
VSTDCCC050

Tot Ion: 75 Resp: 570532

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 50.96 ug/l

RT: 8.37 min Scan# 828

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

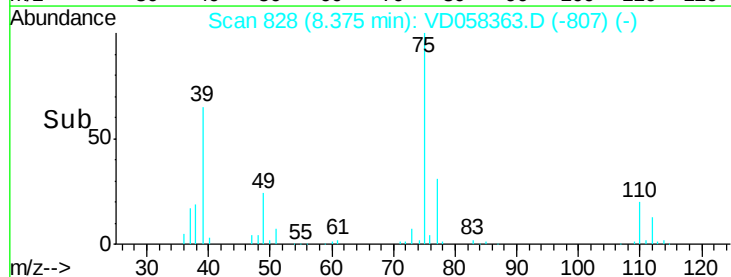
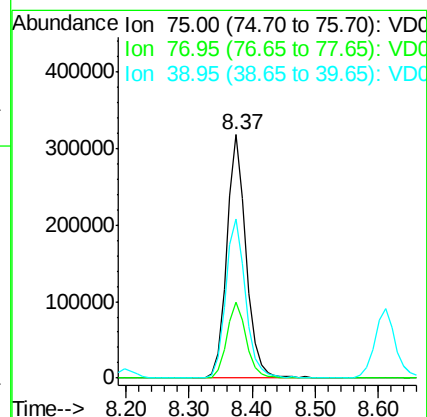
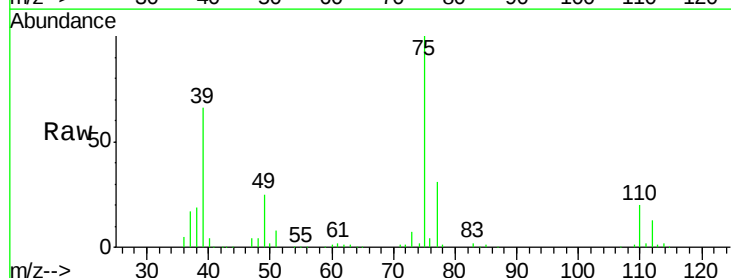
Tgt Ion: 75 Resp: 676256

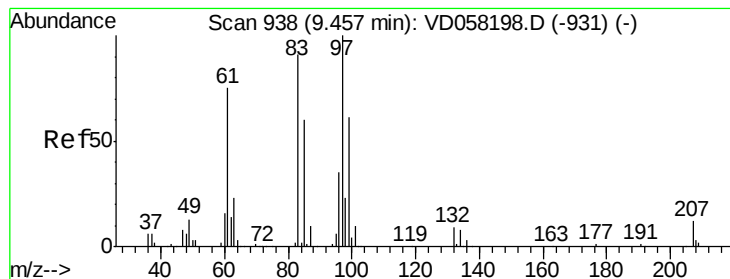
Ion Ratio Lower Upper

75 100

77 31.1 26.5 39.7

39 65.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 47.03 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 294255

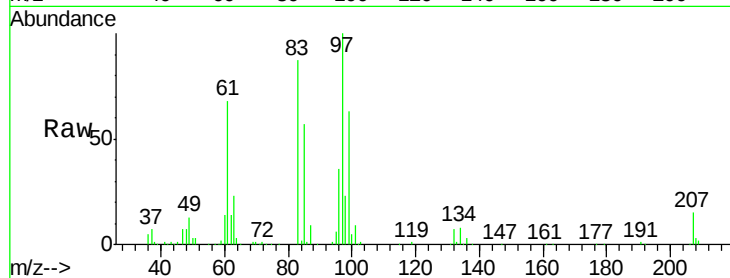
Ion Ratio Lower Upper

97 100

83 87.5 72.9 109.3

85 57.1 48.2 72.4

99 62.8 48.9 73.3

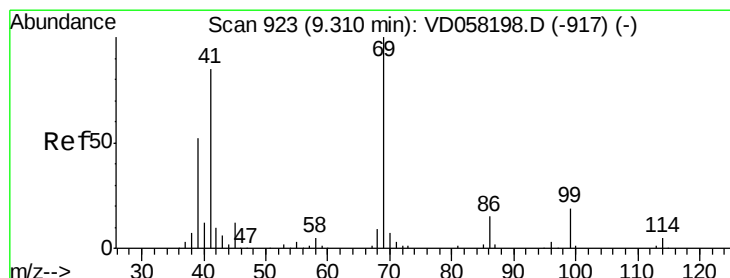
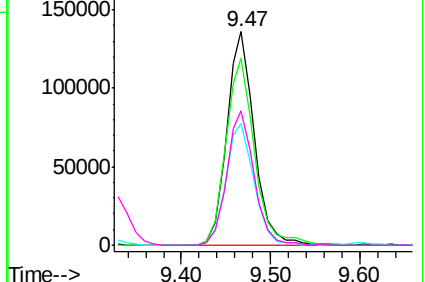
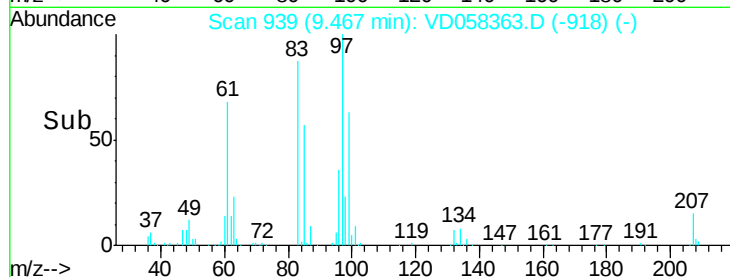


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 46.87 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

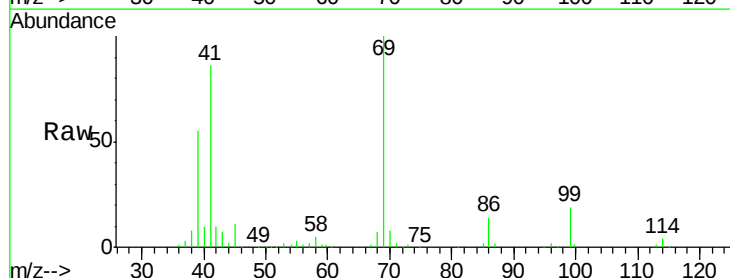
Tgt Ion: 69 Resp: 350734

Ion Ratio Lower Upper

69 100

41 85.7 67.6 101.4

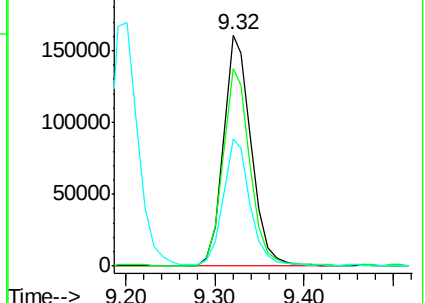
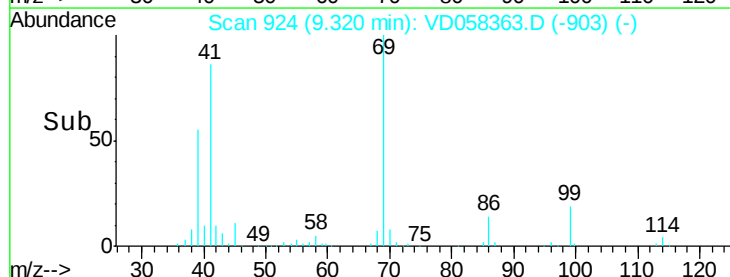
39 54.7 42.2 63.2

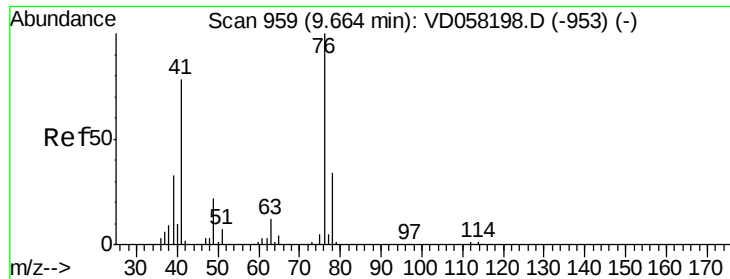


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 46.99 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

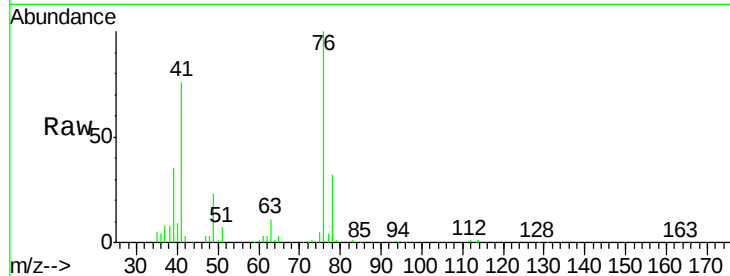
VSTDCCC050

Tot Ion: 76 Resp: 495197

Ion Ratio Lower Upper

76 100

78 31.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

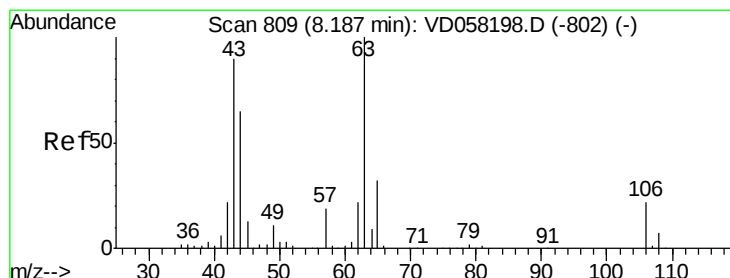
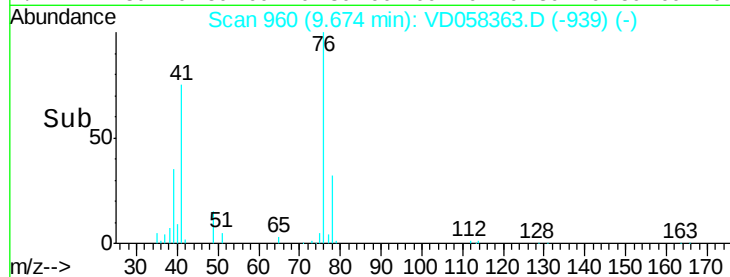
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 230.94 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058363.D

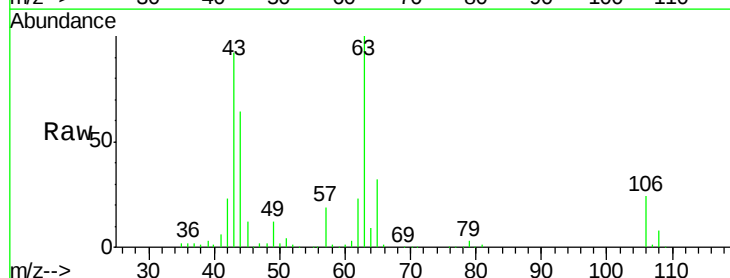
Acq: 24 Jun 2018 10:54

Tgt Ion: 63 Resp: 855458

Ion Ratio Lower Upper

63 100

106 24.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.20

400000

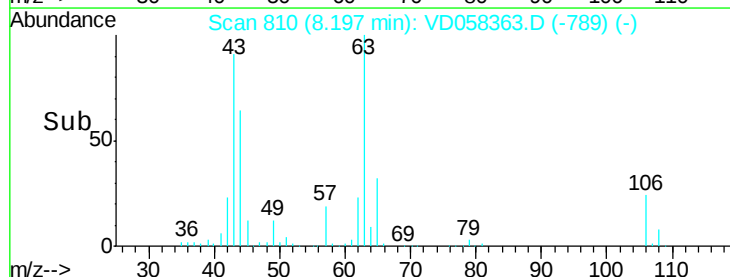
300000

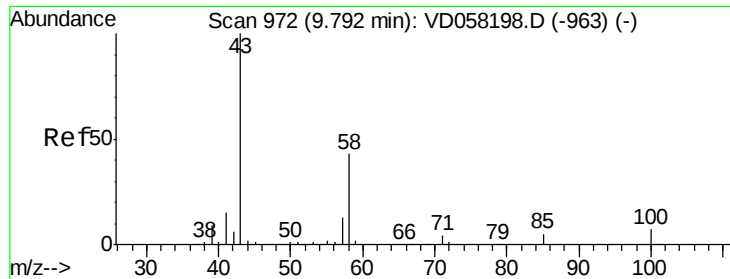
200000

100000

0

Time-->

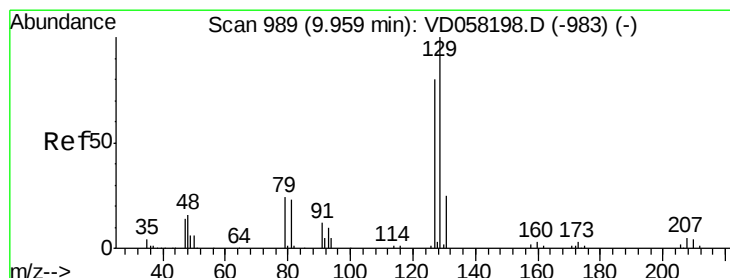
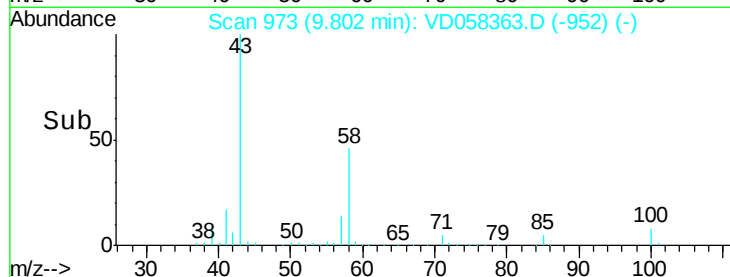
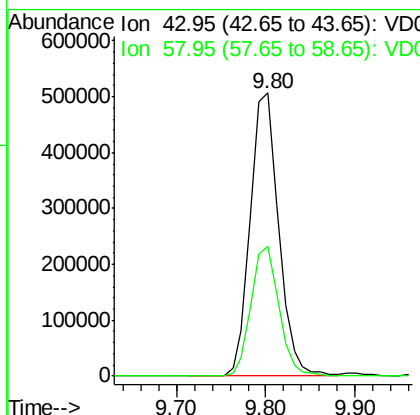
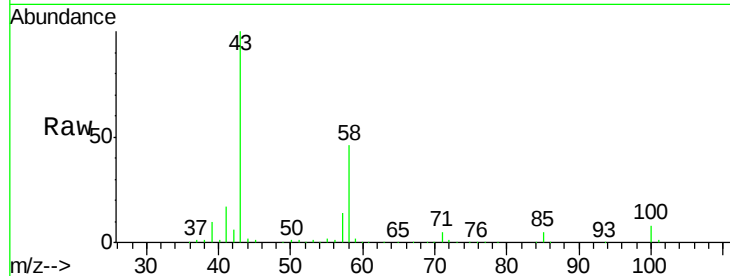




#59
2-Hexanone
Concen: 239.11 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

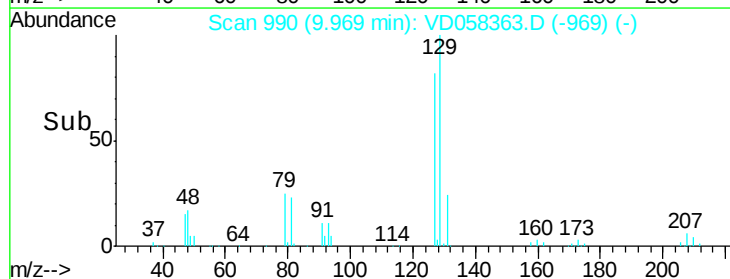
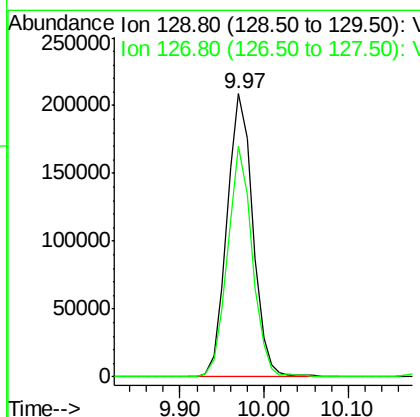
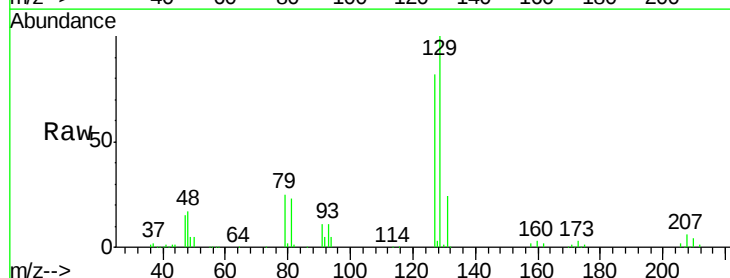
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

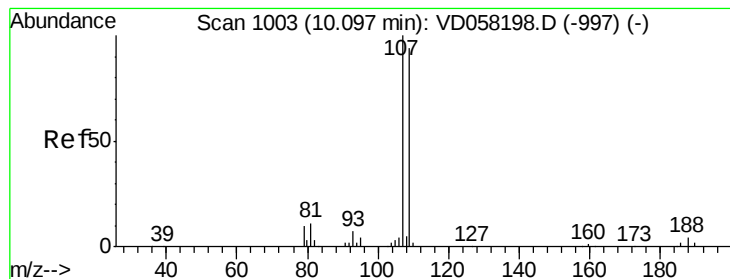
Tot Ion: 43 Resp: 1116070
Ion Ratio Lower Upper
43 100
58 45.7 21.7 65.1



#60
Dibromochloromethane
Concen: 52.65 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 129 Resp: 447083
Ion Ratio Lower Upper
129 100
127 81.6 39.8 119.4





#61

1,2-Dibromoethane

Concen: 47.85 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

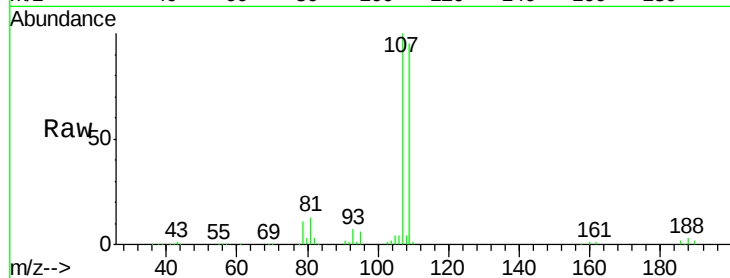
VSTDCCC050

Tot Ion: 107 Resp: 327685

Ion Ratio Lower Upper

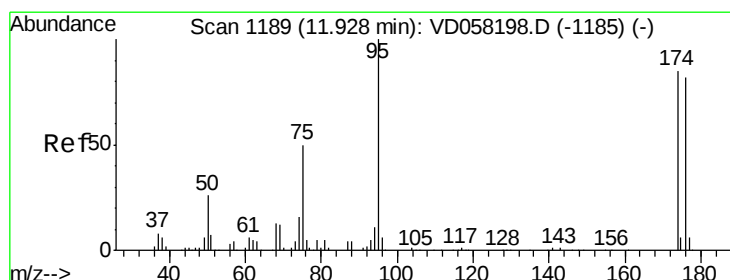
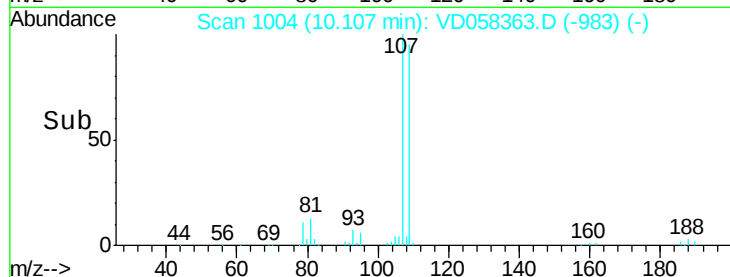
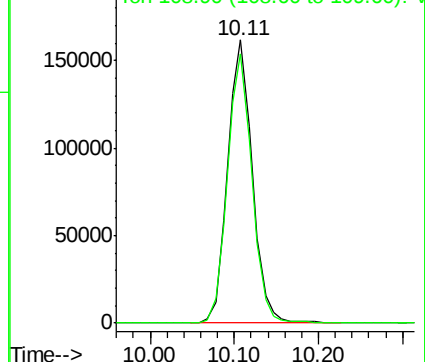
107 100

109 95.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.85 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

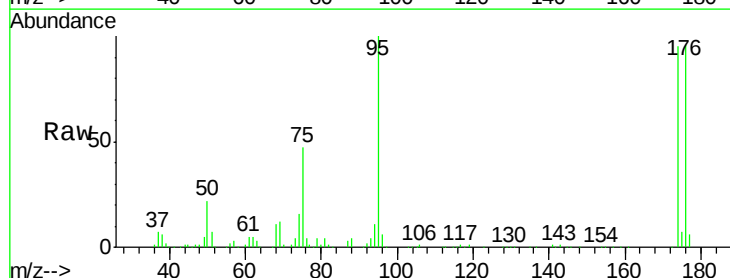
Tgt Ion: 95 Resp: 533357

Ion Ratio Lower Upper

95 100

174 95.2 0.0 170.2

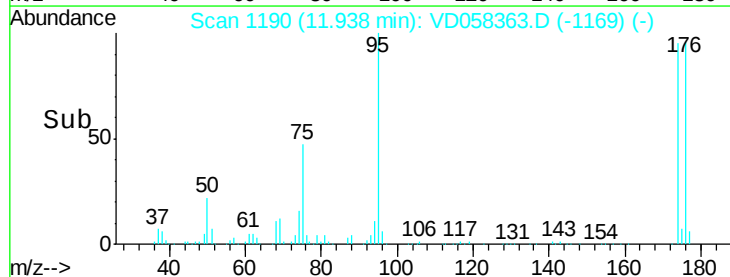
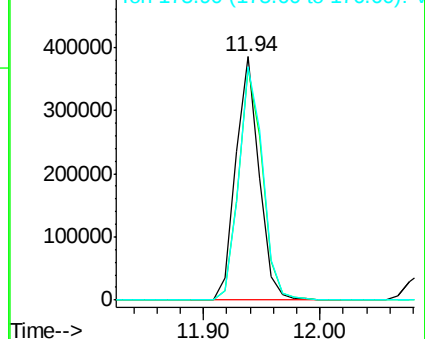
176 95.8 0.0 164.6

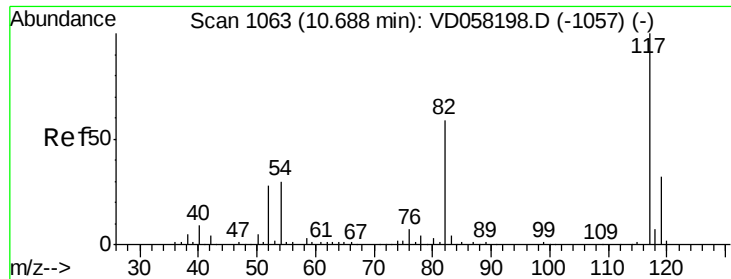


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

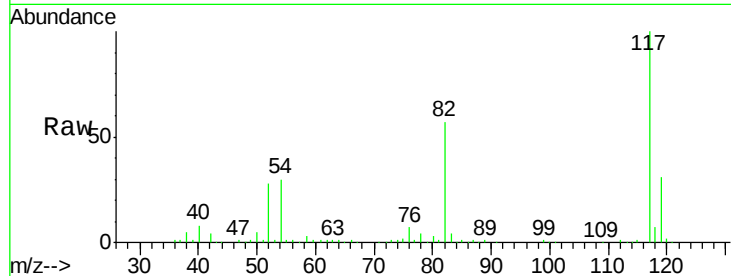




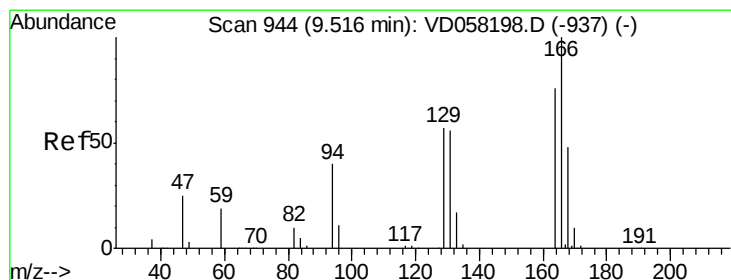
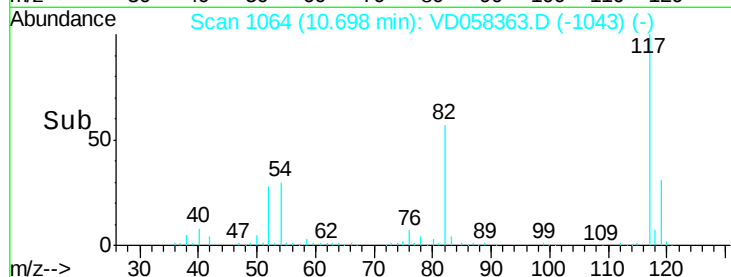
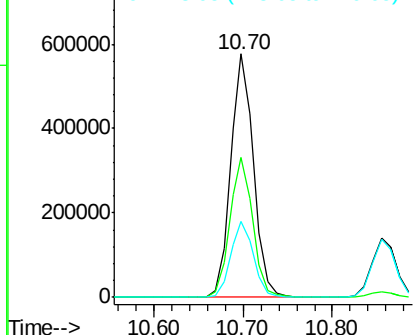
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1038141
Ion Ratio Lower Upper
117 100
82 57.3 47.0 70.6
119 31.3 25.3 37.9

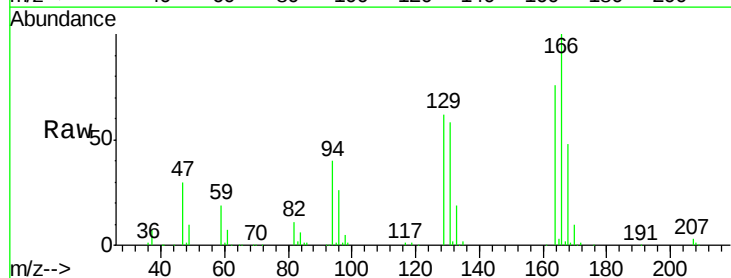


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

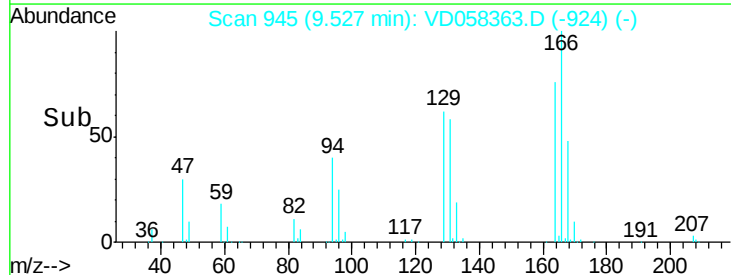
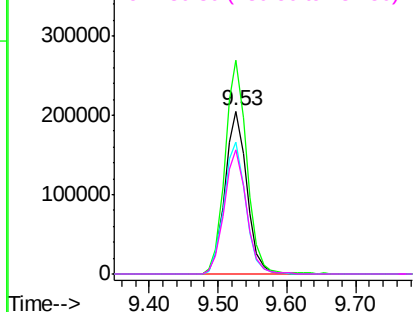


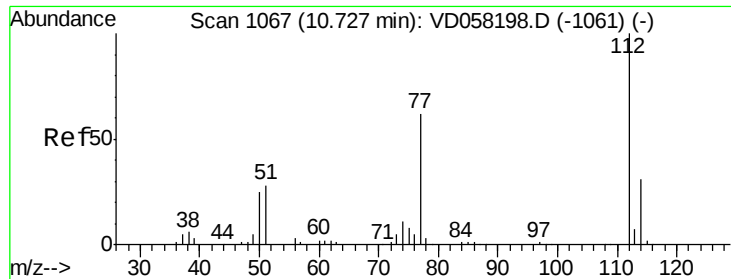
#64
Tetrachloroethene
Concen: 51.53 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:164 Resp: 450087
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 80.6 59.6 89.4
131 76.3 59.4 89.2



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

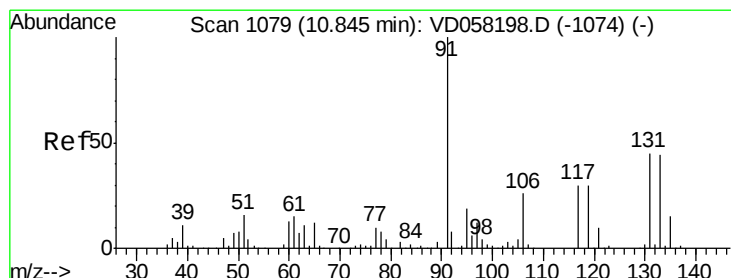
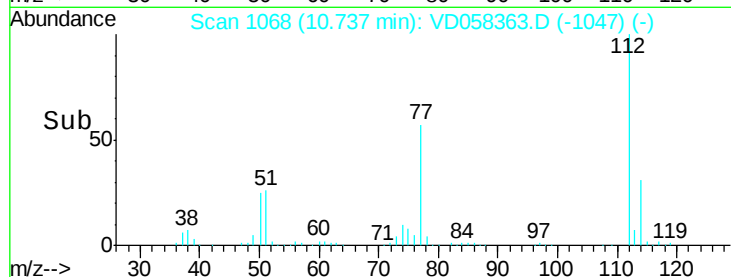
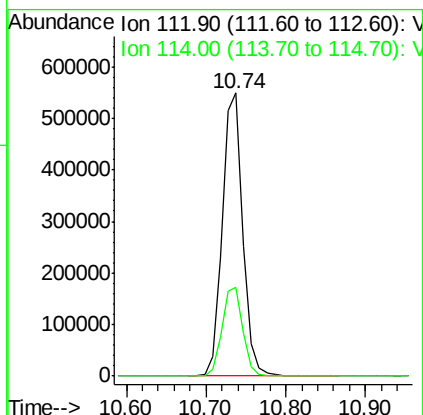
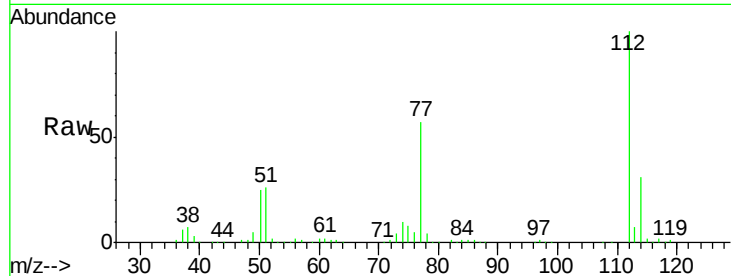




#65
Chlorobenzene
Concen: 51.31 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

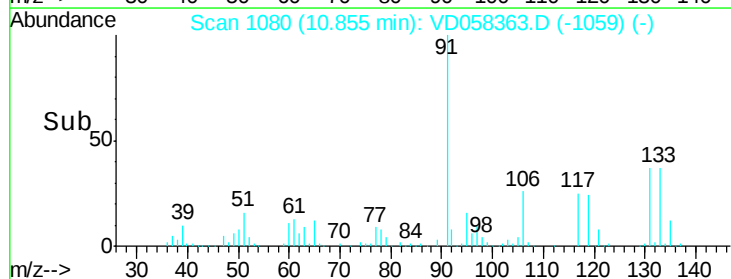
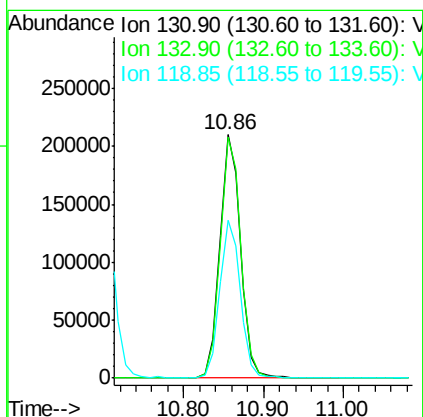
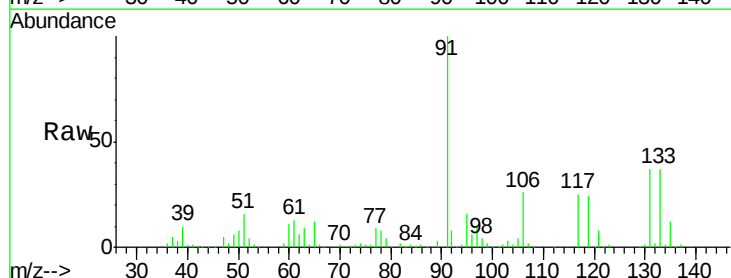
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

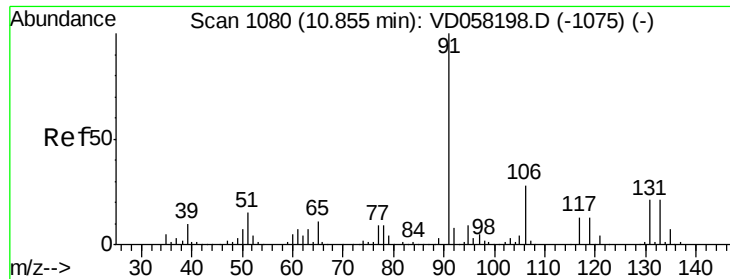
Tot Ion:112 Resp: 996454
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.34 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:131 Resp: 384770
Ion Ratio Lower Upper
131 100
133 98.8 48.6 145.9
119 64.9 33.0 99.0

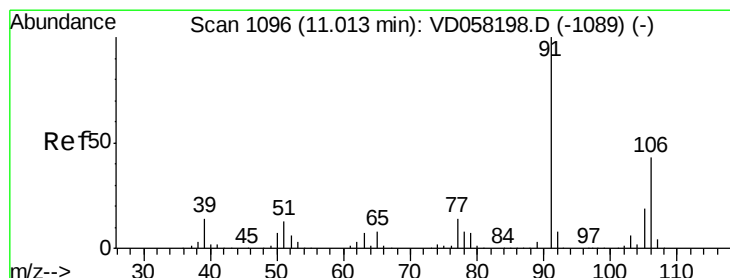
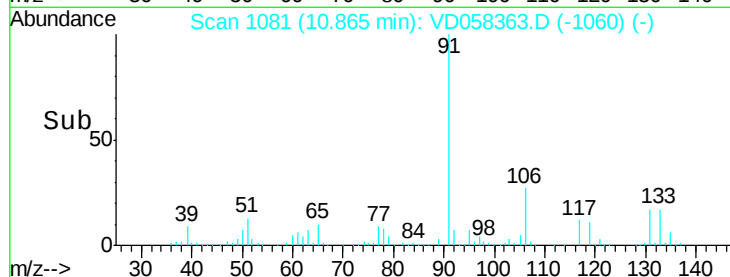
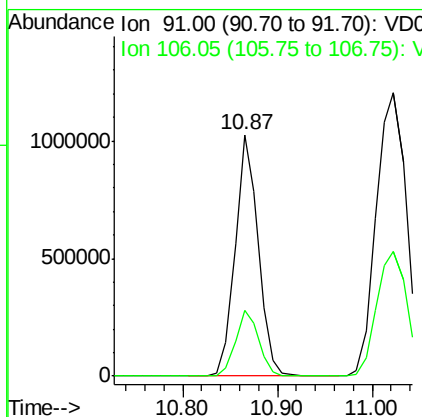
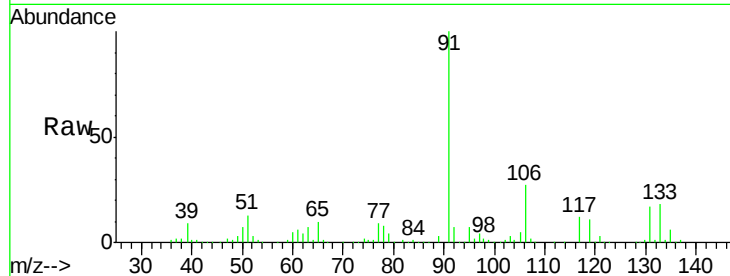




#67
Ethvl Benzene
Concen: 50.39 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

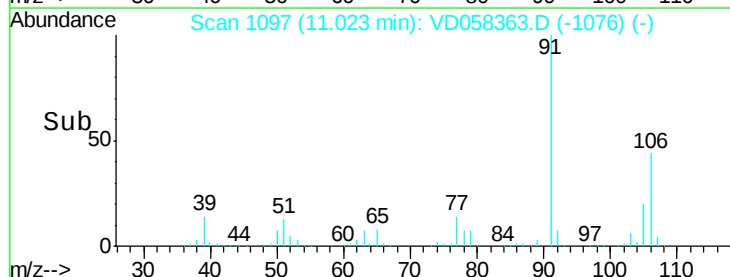
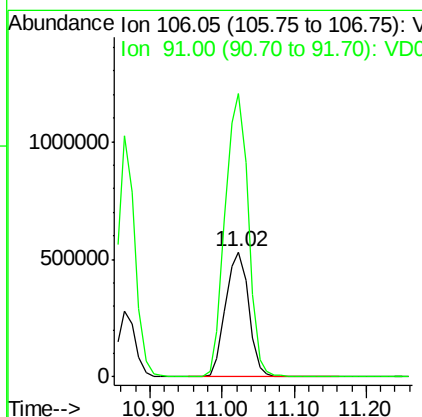
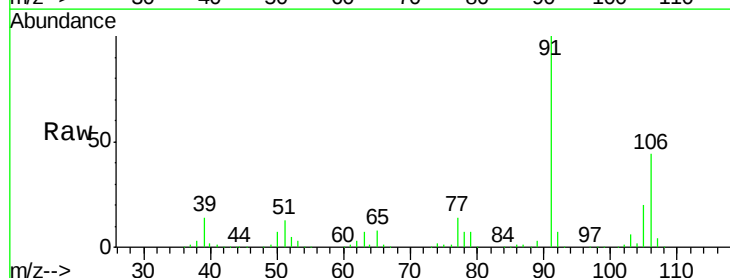
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

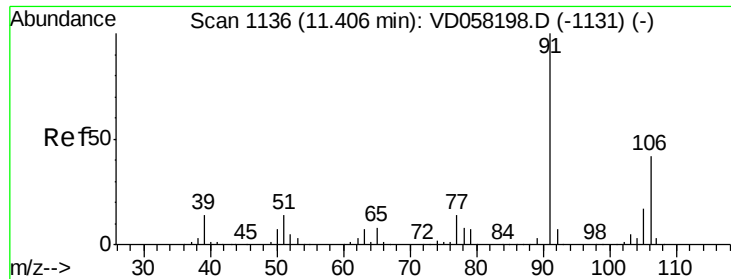
Tot Ion: 91 Resp: 1727627
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 103.08 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:106 Resp: 1178521
Ion Ratio Lower Upper
106 100
91 226.2 185.0 277.6

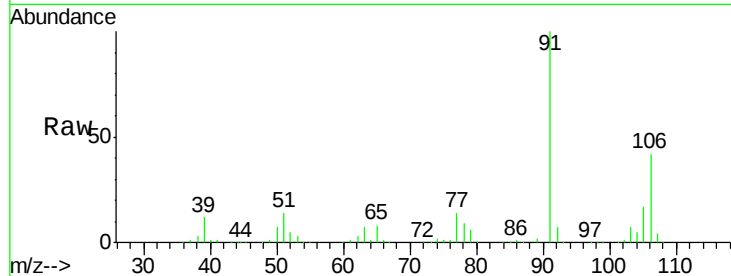




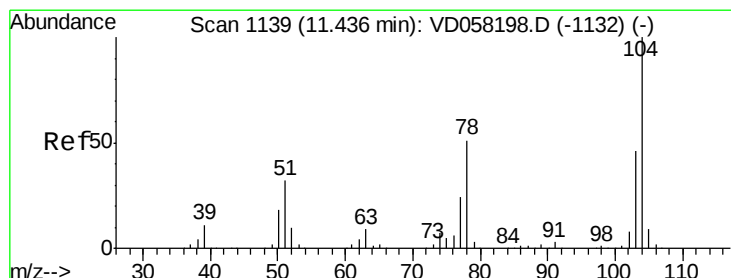
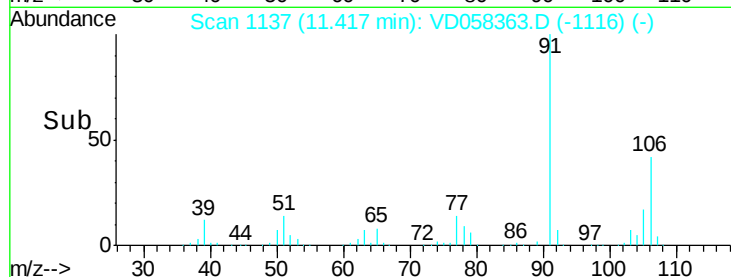
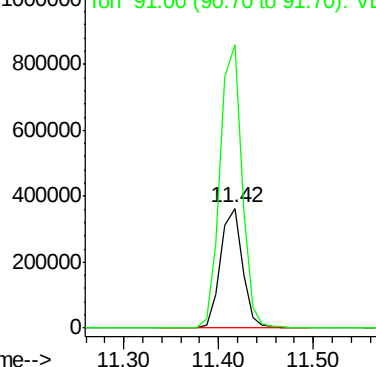
#69
o-Xylene
Concen: 53.63 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 585614
Ion Ratio Lower Upper
106 100
91 236.7 120.2 360.6

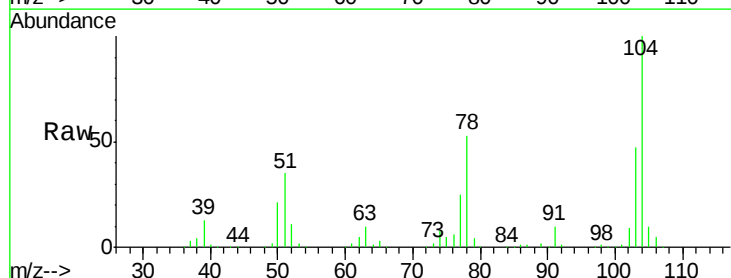


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

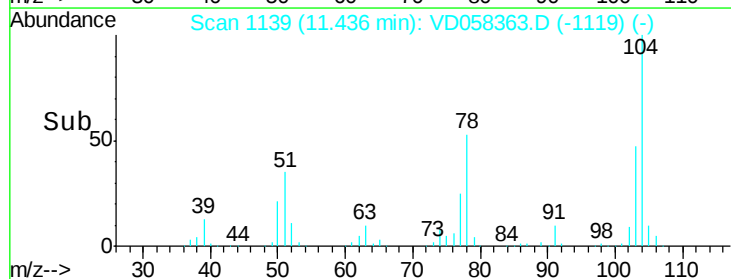
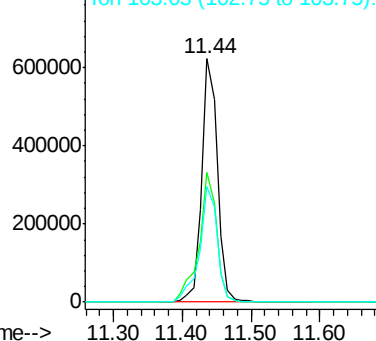


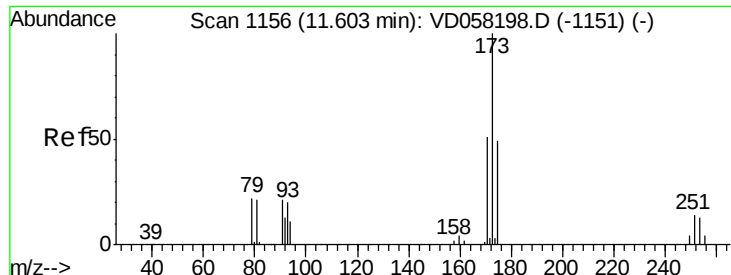
#70
Styrene
Concen: 52.81 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:104 Resp: 983920
Ion Ratio Lower Upper
104 100
78 53.2 40.8 61.2
103 47.3 37.0 55.6



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

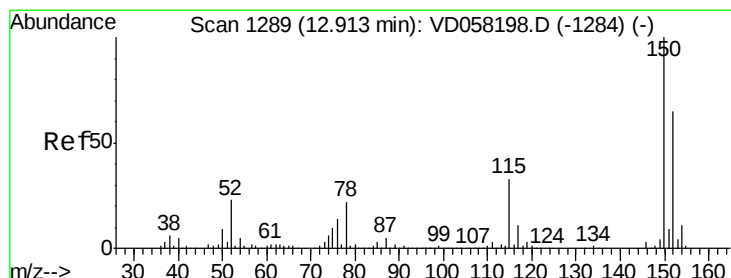
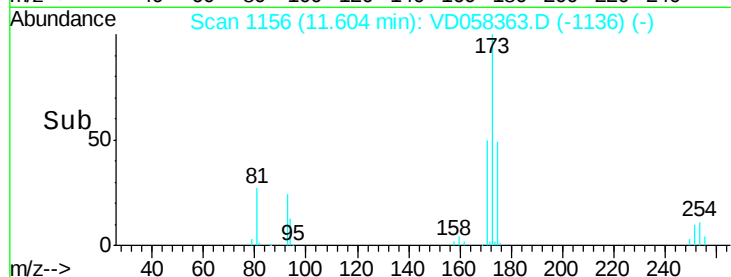
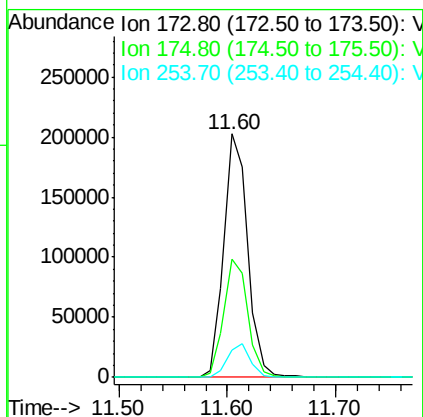
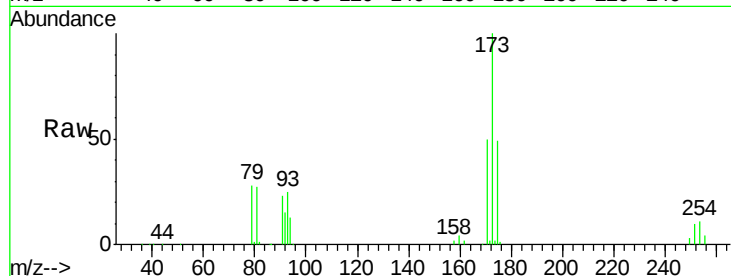




#71
Bromoform
Concen: 52.11 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

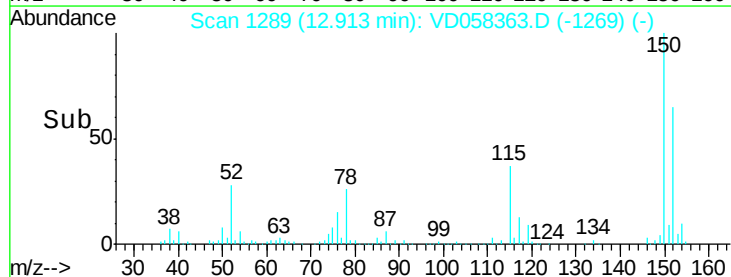
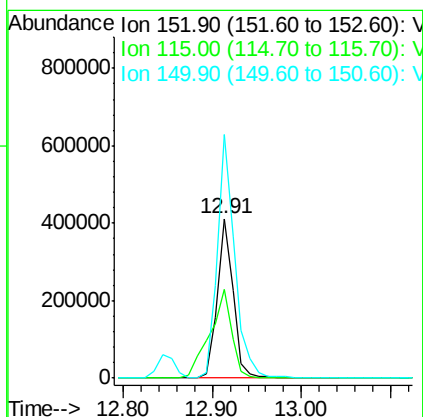
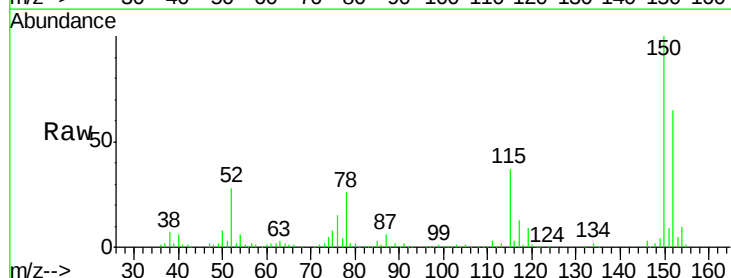
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

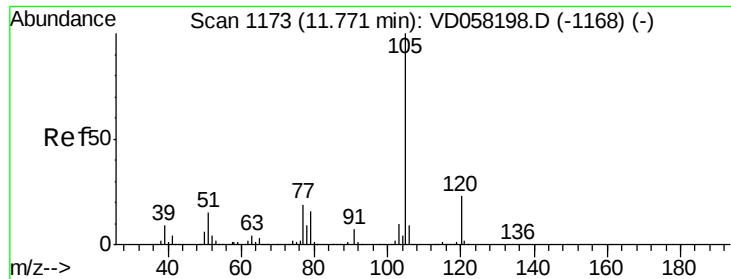
Tot Ion:173 Resp: 311538
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 11.5 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:152 Resp: 511290
Ion Ratio Lower Upper
152 100
115 56.1 25.1 75.3
150 152.8 0.0 308.8

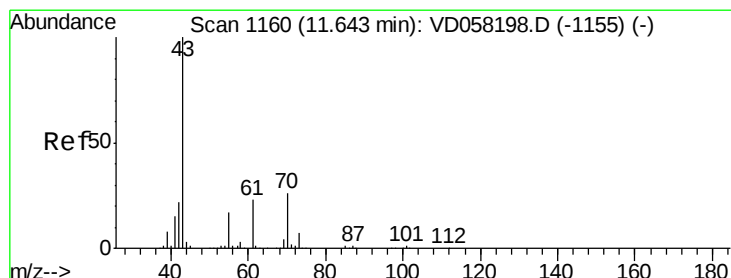
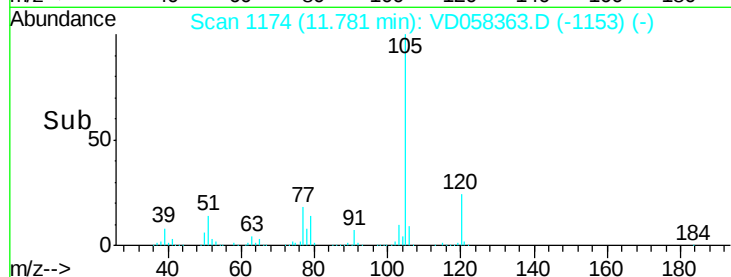
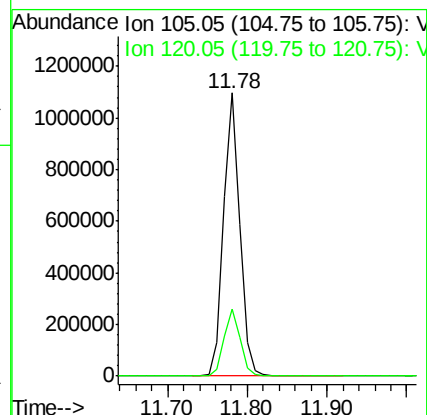
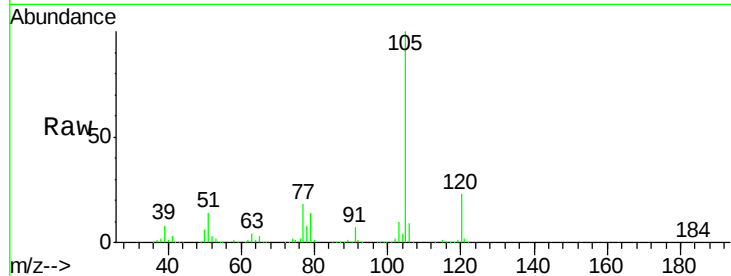




#73
Isopropylbenzene
Concen: 52.06 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

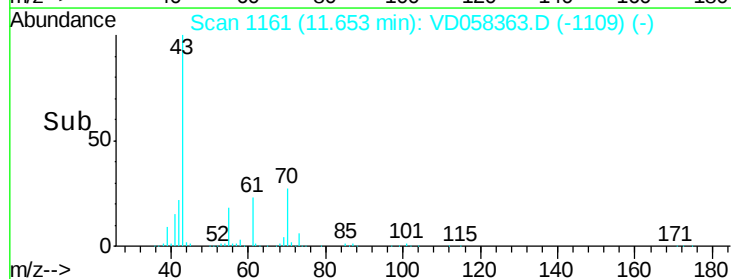
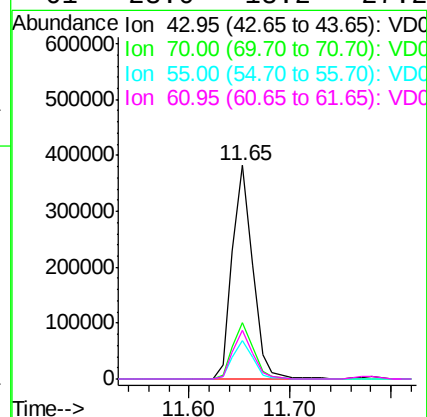
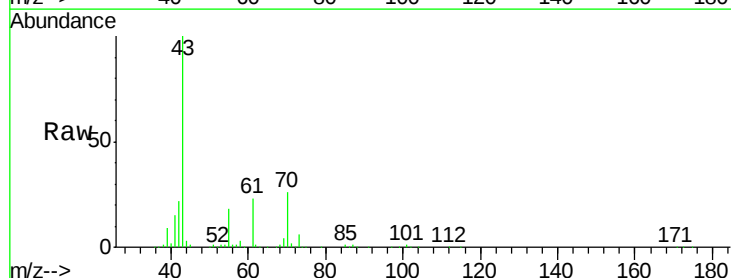
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

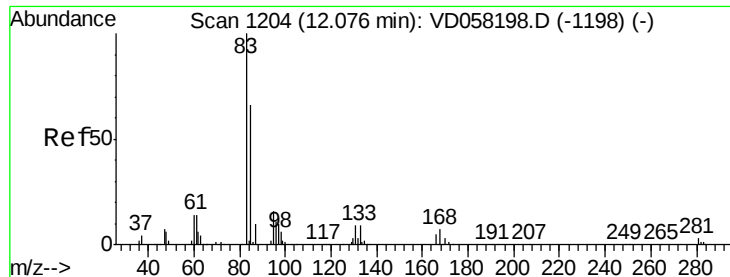
Tot Ion: 105 Resp: 1592172
Ion Ratio Lower Upper
105 100
120 23.5 11.6 34.8



#74
N-ethyl acetate
Concen: 45.62 ug/l
RT: 11.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 43 Resp: 539446
Ion Ratio Lower Upper
43 100
70 26.5 20.9 31.3
55 17.9 13.5 20.3
61 23.0 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.44 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

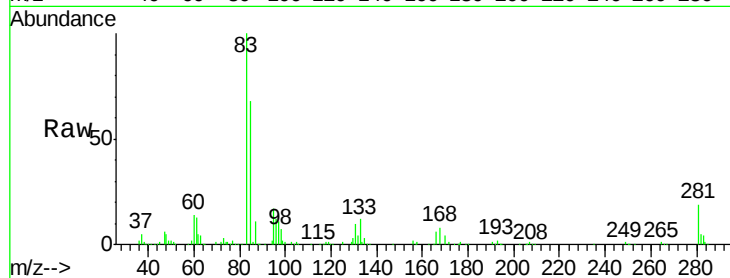
Tot Ion: 83 Resp: 344776

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	68.4	33.1	99.5

83 100

131 9.7 4.8 14.3

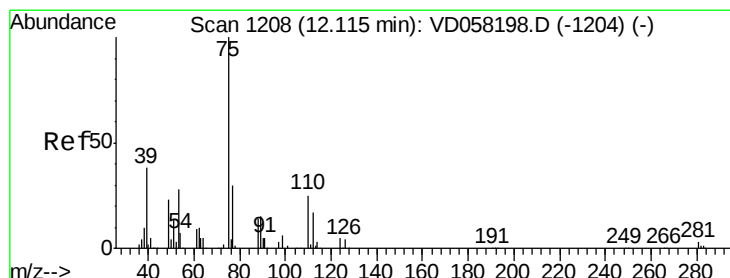
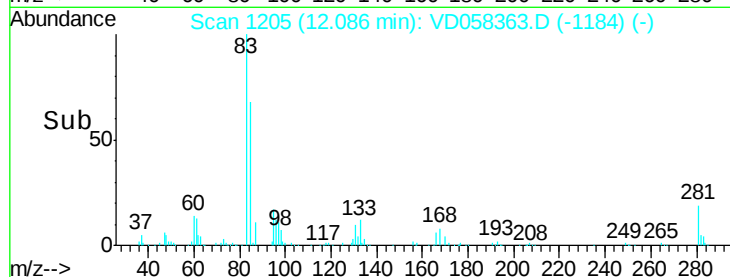
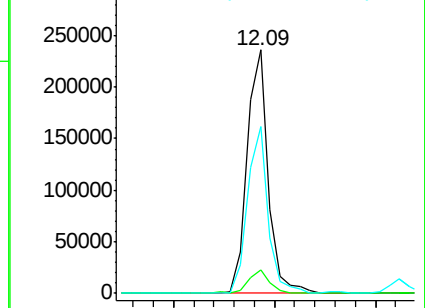
85 68.4 33.1 99.5



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: 48.20 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058363.D

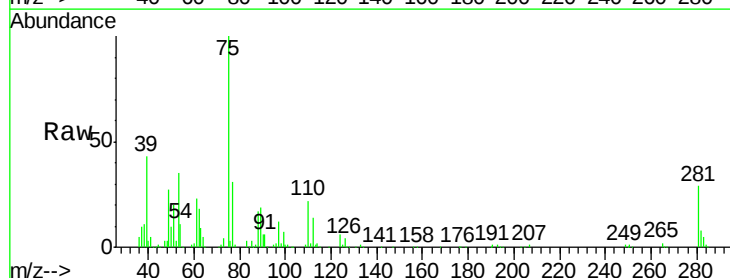
Acq: 24 Jun 2018 10:54

Tgt Ion: 75 Resp: 359832

Ion	Ratio	Lower	Upper
75	100		
77	31.4	16.0	47.9

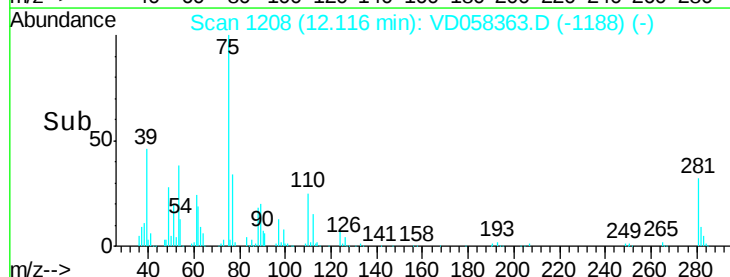
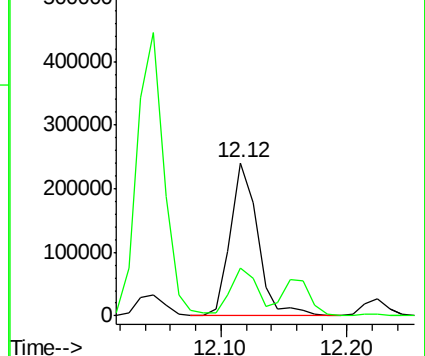
75 100

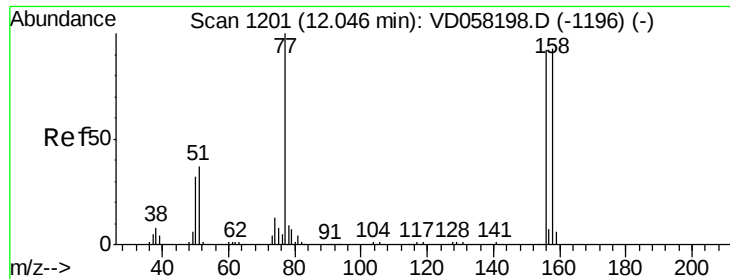
77 31.4 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

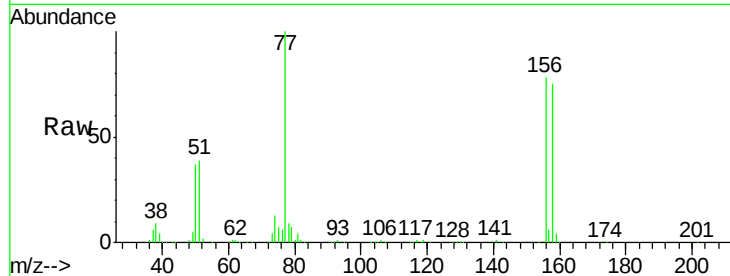




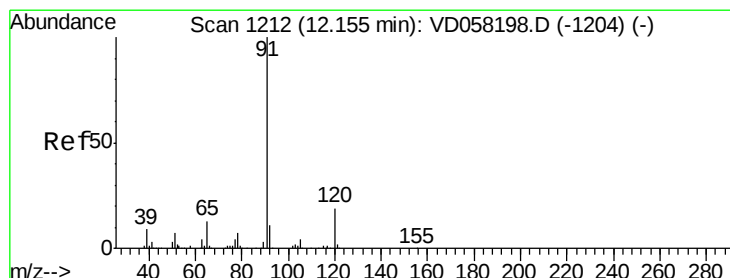
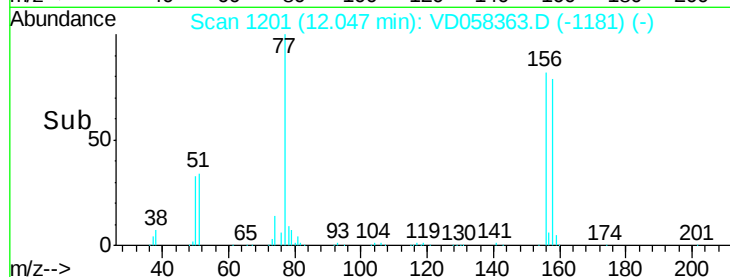
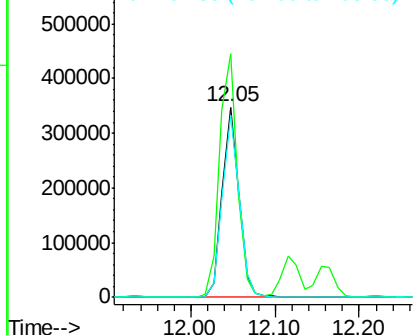
#77
Bromobenzene
Concen: 52.78 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 483323
Ion Ratio Lower Upper
156 100
77 128.2 54.5 163.6
158 95.9 50.8 152.5

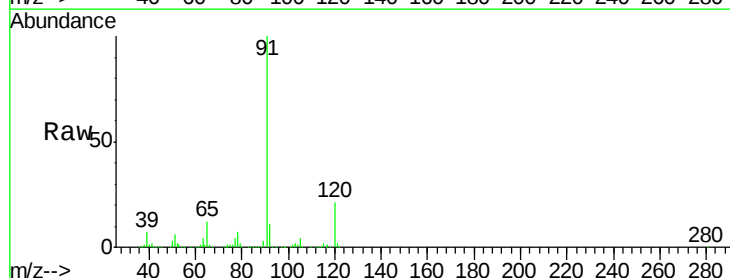


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

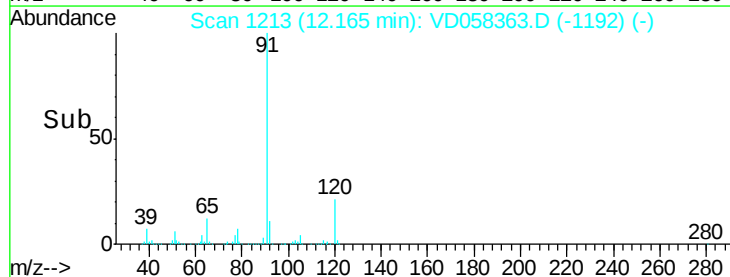
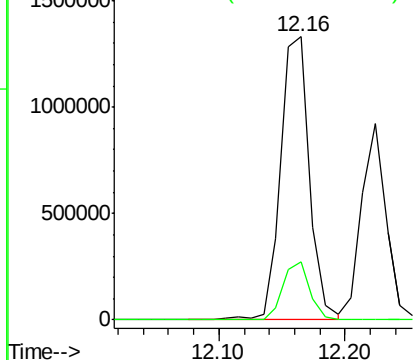


#78
n-propylbenzene
Concen: 53.56 ug/l
RT: 12.16 min Scan# 1213
Delta R.T. 0.01 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 91 Resp: 2115175
Ion Ratio Lower Upper
91 100
120 20.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

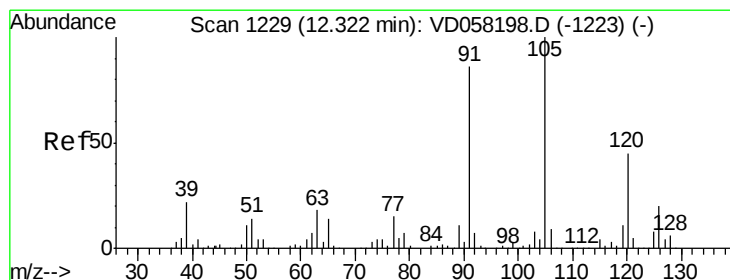
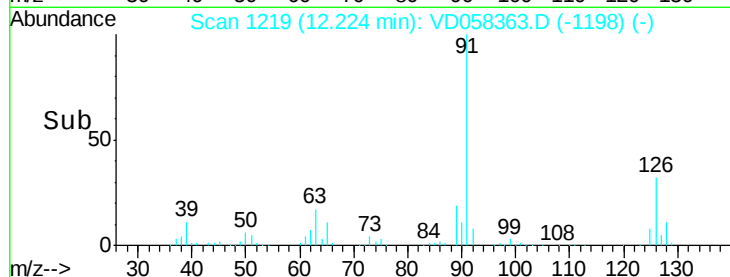
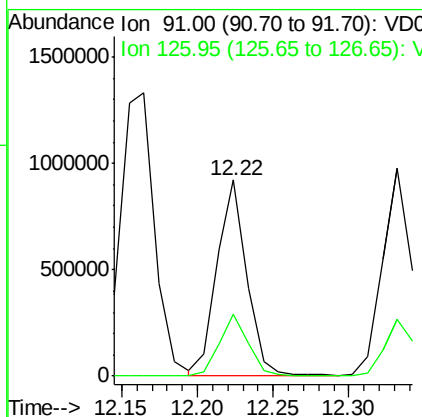
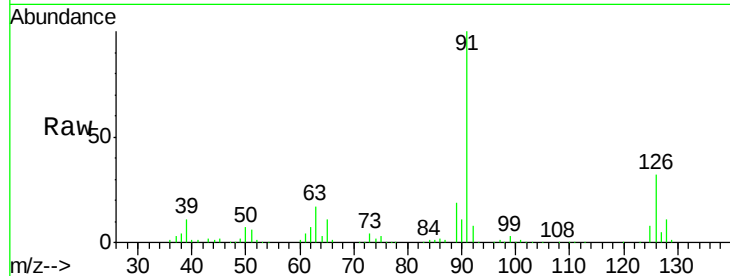




#79
 2-Chlorotoluene
 Concen: 55.14 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

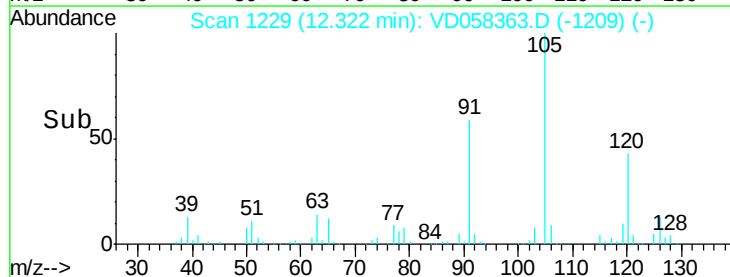
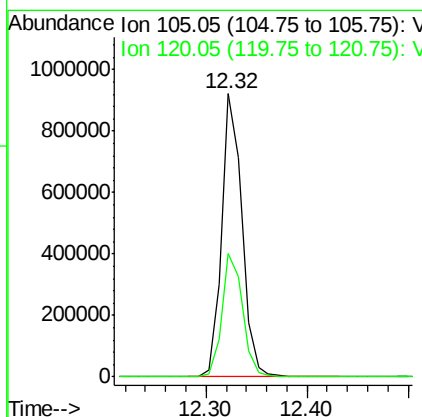
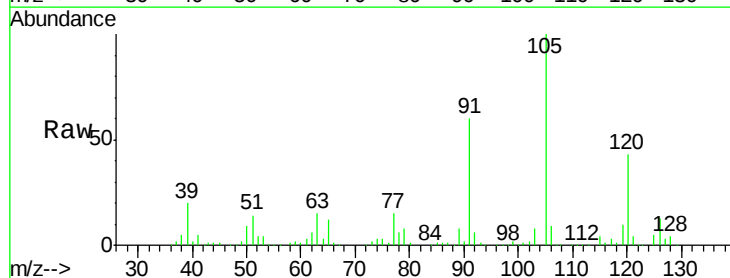
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

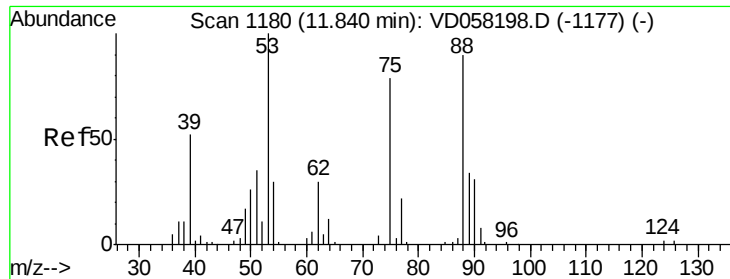
Tot Ion: 91 Resp: 1246123
 Ion Ratio Lower Upper
 91 100
 126 31.9 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 54.10 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion: 105 Resp: 1290364
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 50.25 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

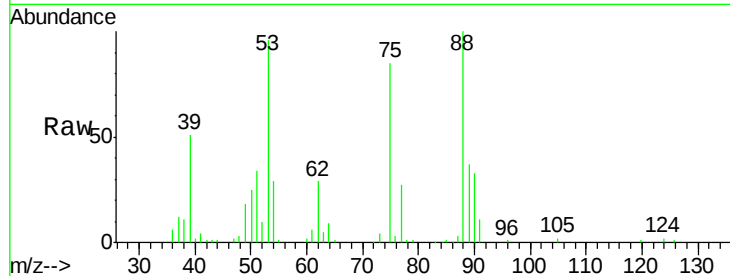
Tot Ion: 75 Resp: 91482

Ion Ratio Lower Upper

75 100

53 112.8 100.8 151.2

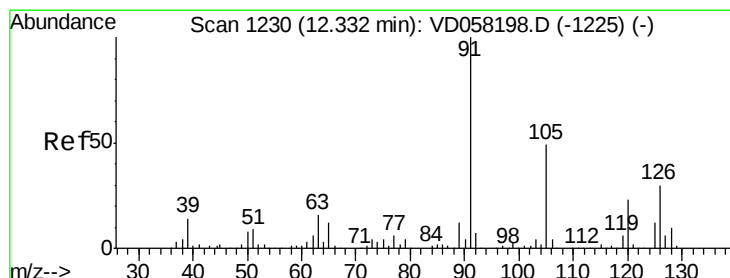
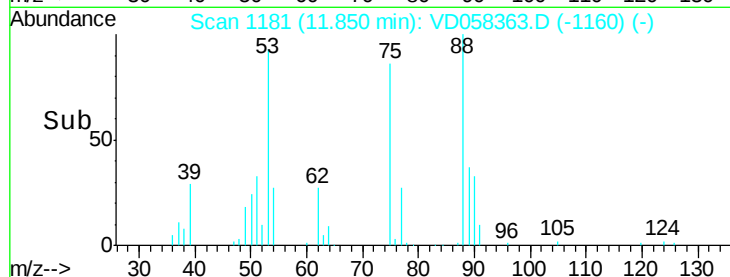
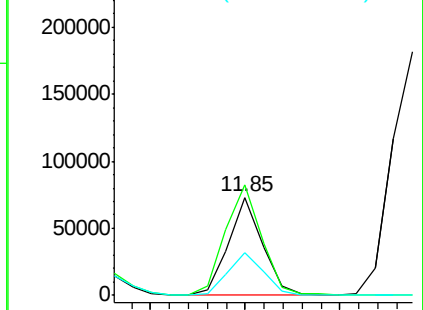
89 43.0 34.6 52.0



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: 61.28 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058363.D

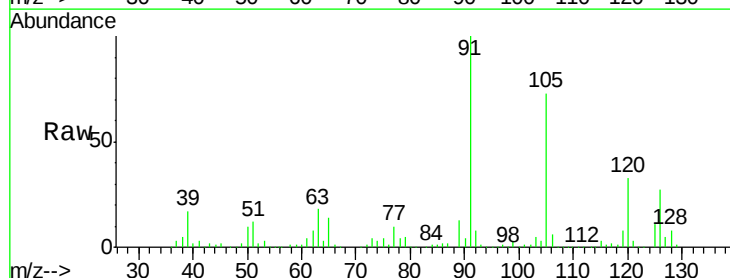
Acq: 24 Jun 2018 10:54

Tgt Ion: 91 Resp: 1322721

Ion Ratio Lower Upper

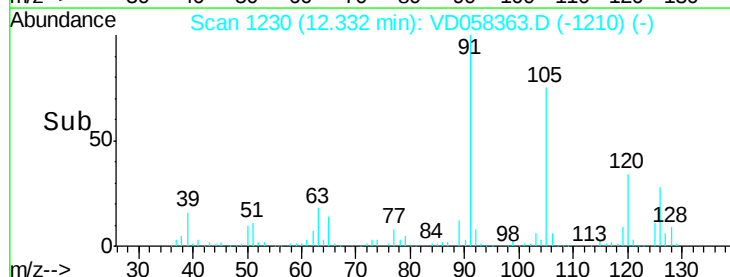
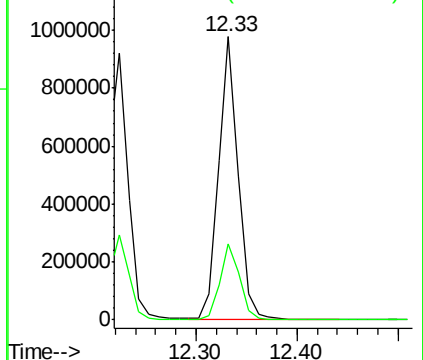
91 100

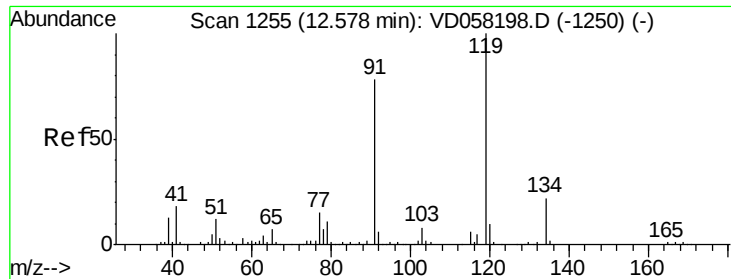
126 27.1 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

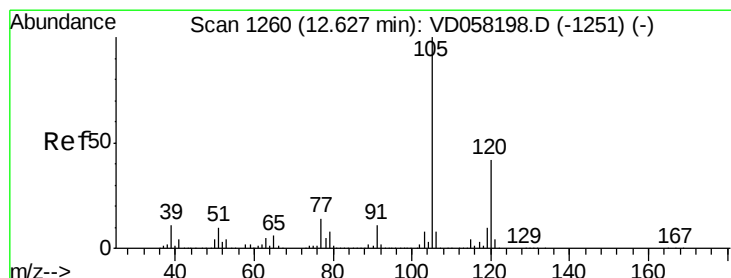
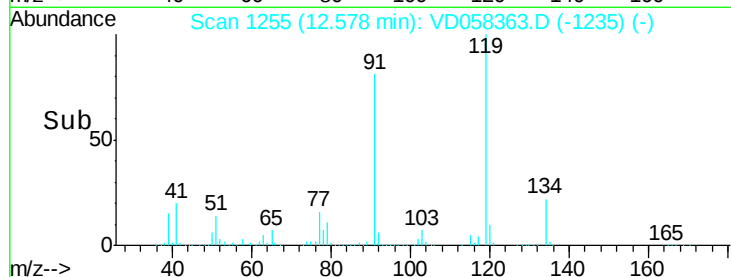
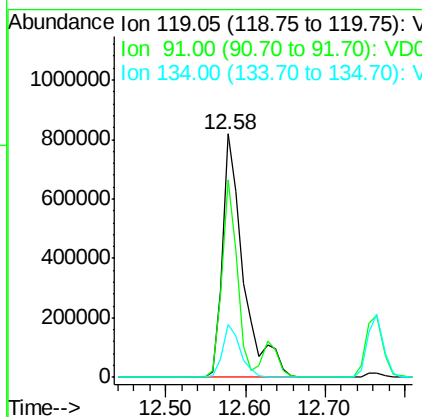
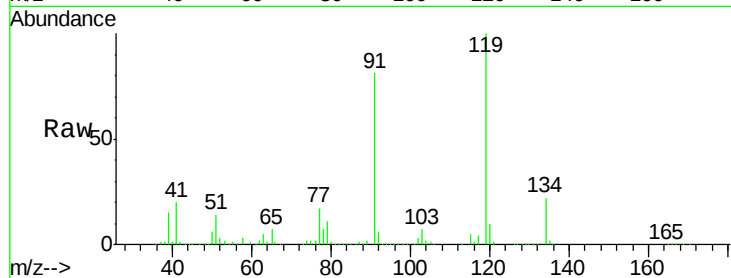




#83
tert-Butylbenzene
Concen: 55.45 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

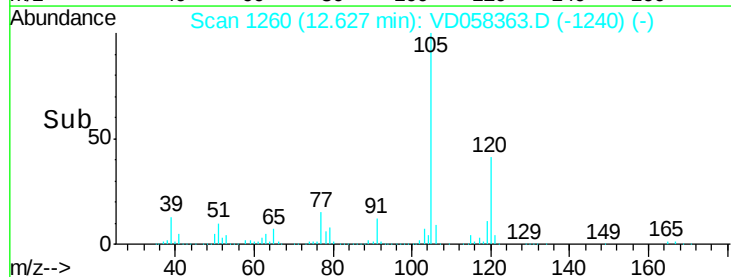
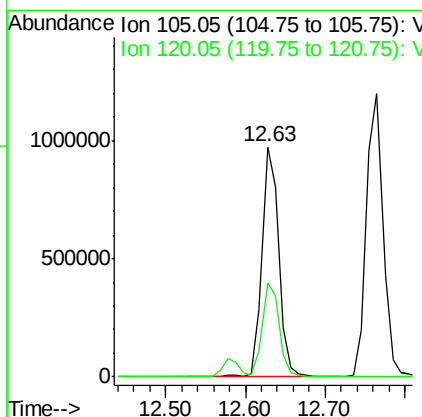
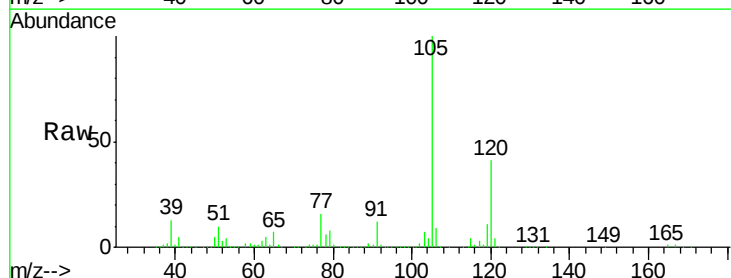
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

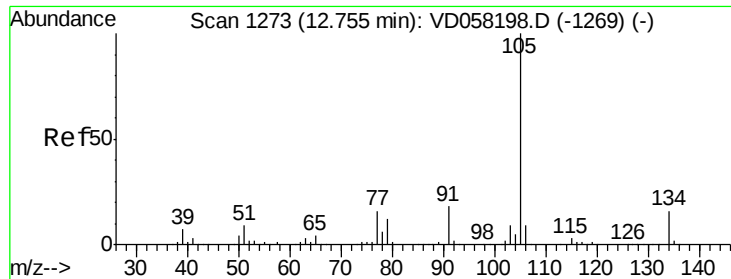
Tot Ion:119 Resp: 1520643
Ion Ratio Lower Upper
119 100
91 81.3 38.9 116.6
134 21.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 53.76 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion:105 Resp: 1393958
Ion Ratio Lower Upper
105 100
120 41.0 20.8 62.4





#85

sec-Butylbenzene

Concen: 53.17 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampled :

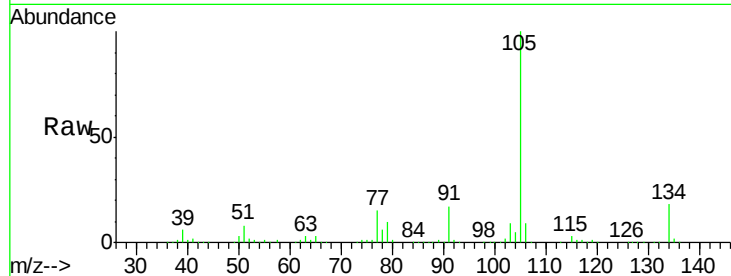
VSTDCCC050

Tot Ion:105 Resp: 1709129

Ion Ratio Lower Upper

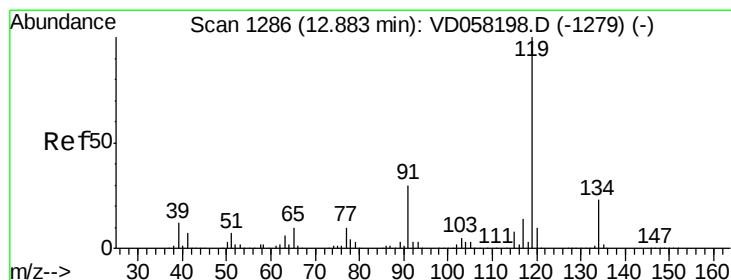
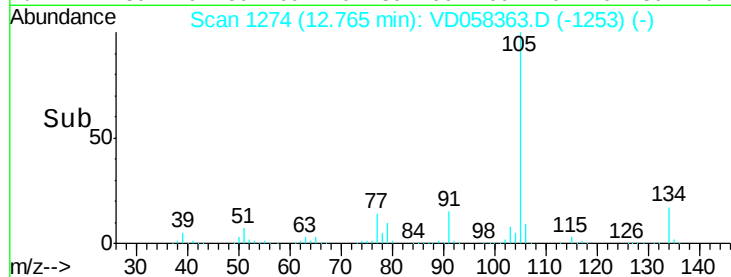
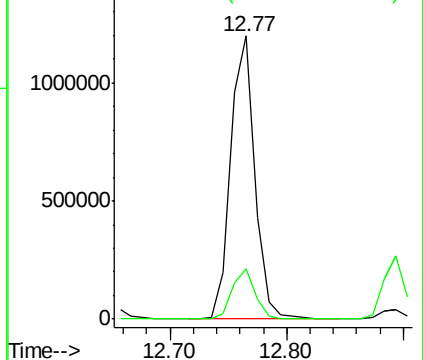
105 100

134 17.6 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 55.86 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

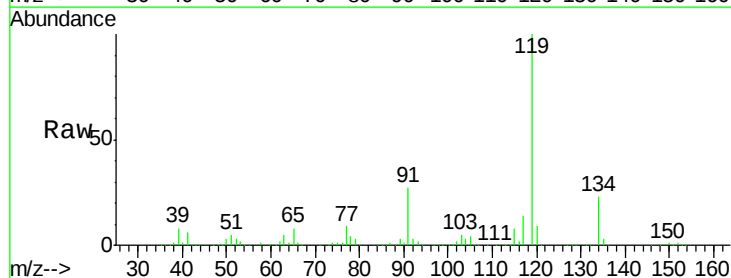
Tgt Ion:119 Resp: 1455183

Ion Ratio Lower Upper

119 100

134 23.4 11.6 34.8

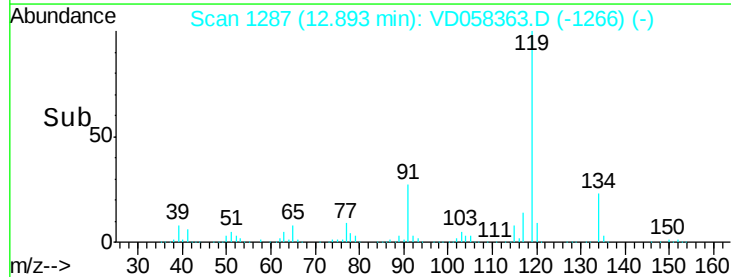
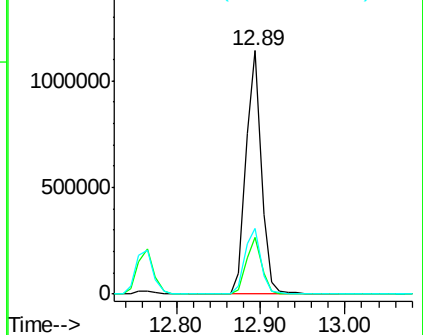
91 27.0 15.0 45.1

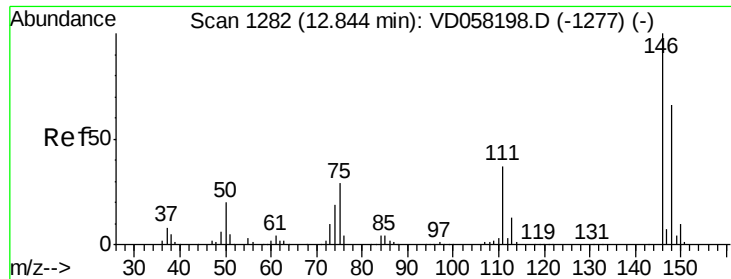


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

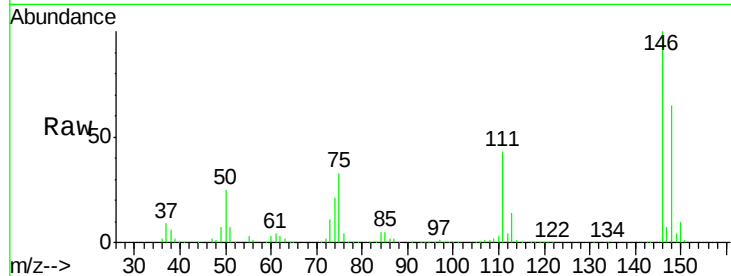




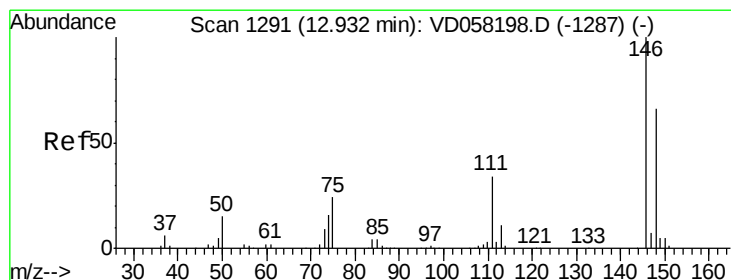
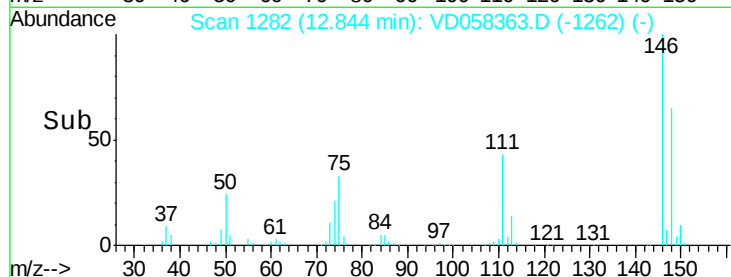
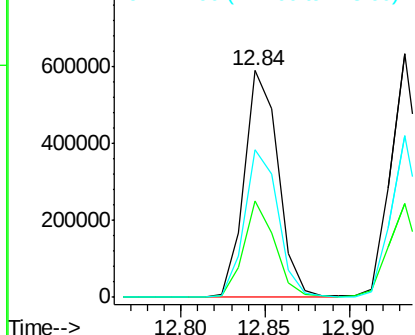
#87
 1,3-Dichlorobenzene
 Concen: 51.73 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 823454
 Ion Ratio Lower Upper
 146 100
 111 42.5 18.4 55.0
 148 65.1 32.8 98.4

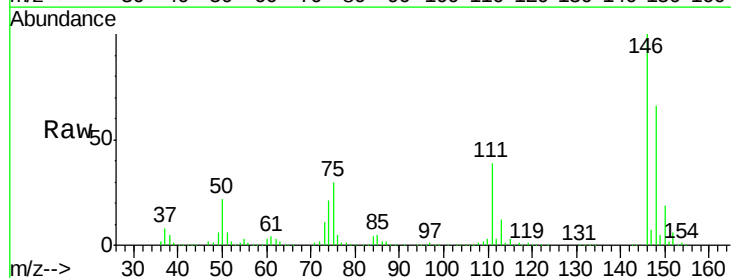


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

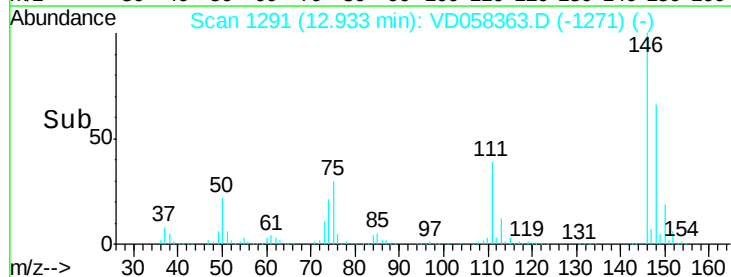
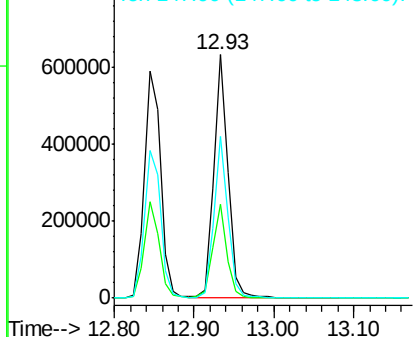


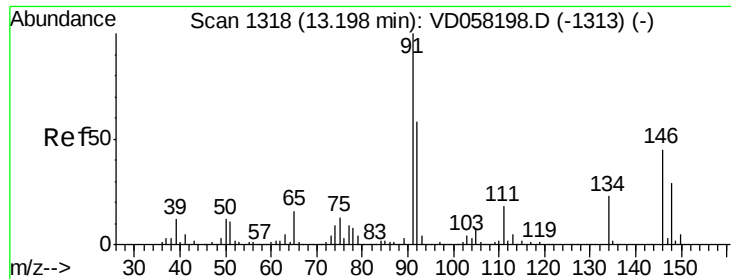
#88
 1,4-Dichlorobenzene
 Concen: 51.28 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion:146 Resp: 797051
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.2 51.5
 148 66.4 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

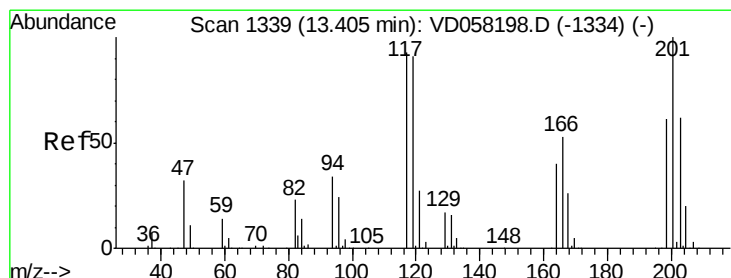
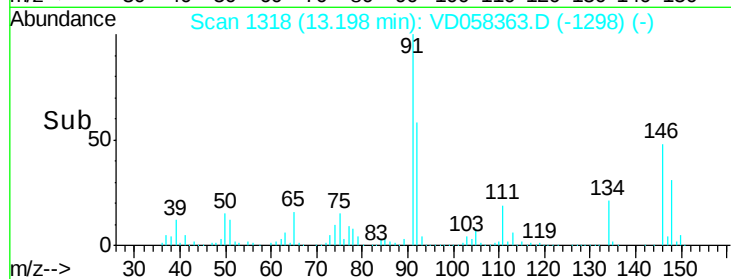
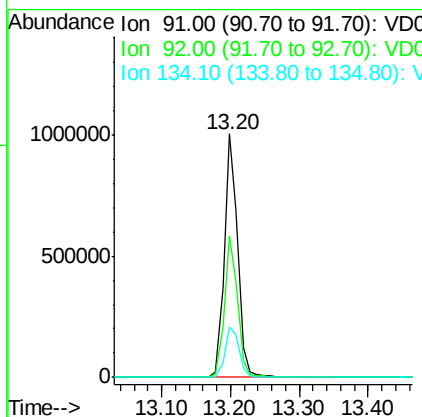
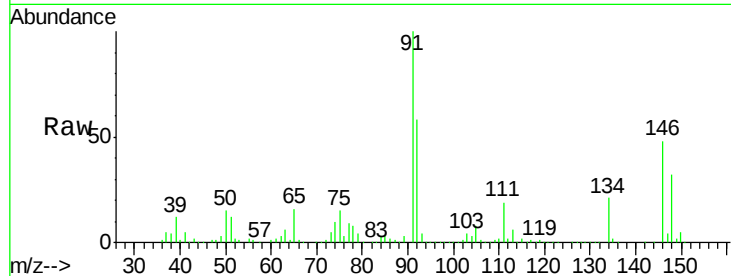




#89
n-Butylbenzene
Concen: 48.75 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

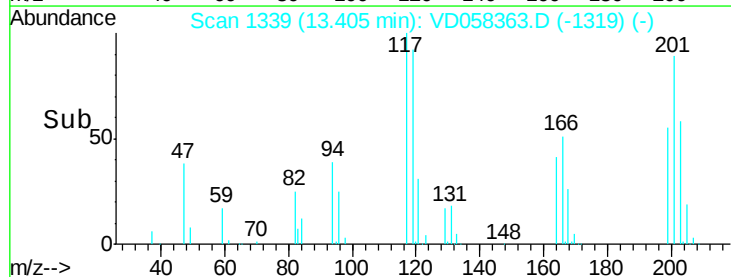
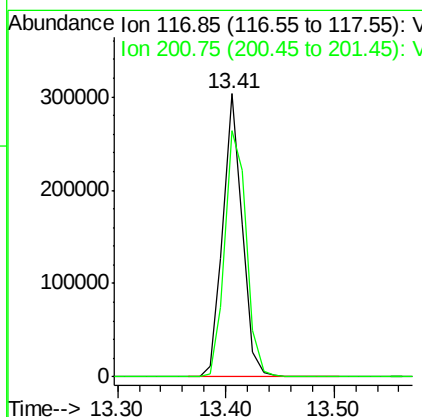
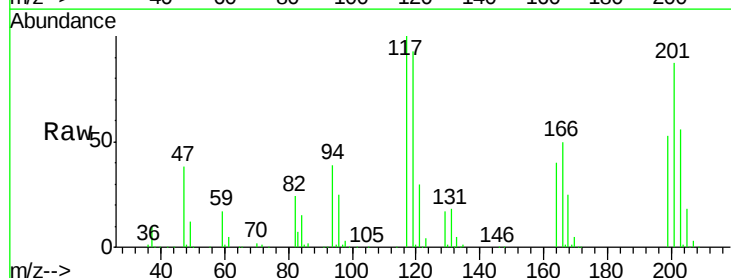
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

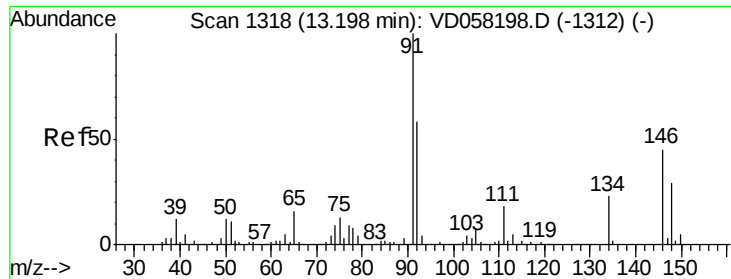
Tot Ion: 91 Resp: 1334708
Ion Ratio Lower Upper
91 100
92 58.0 29.2 87.6
134 20.8 11.3 33.8



#90
Hexachloroethane
Concen: 55.95 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058363.D
Acq: 24 Jun 2018 10:54

Tgt Ion: 117 Resp: 378307
Ion Ratio Lower Upper
117 100
201 86.9 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 47.01 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

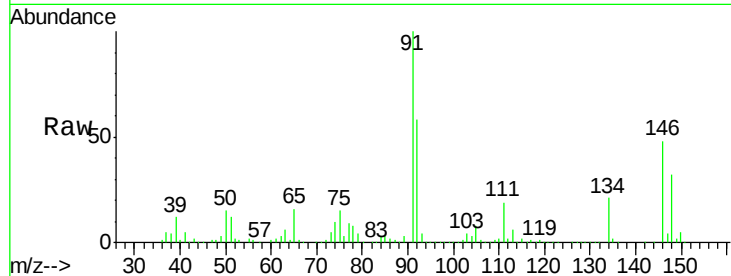
Tot Ion:146 Resp: 636779

Ion Ratio Lower Upper

146 100

111 40.3 19.6 58.7

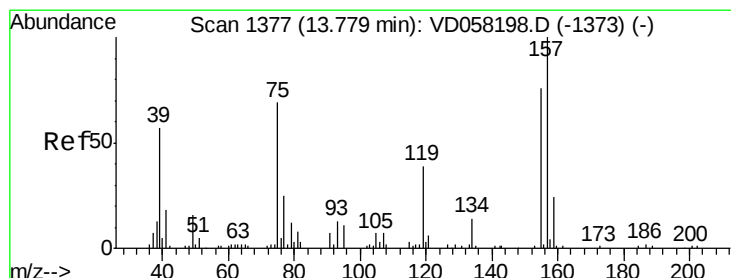
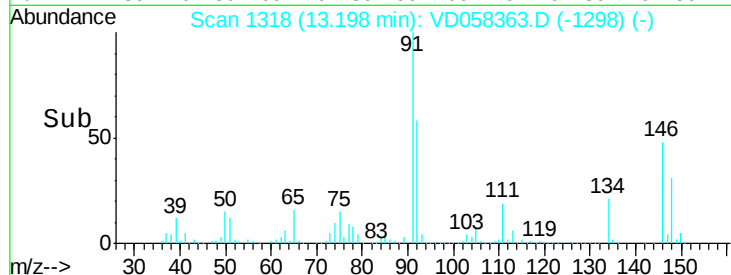
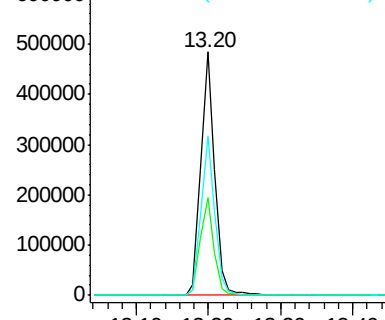
148 65.5 32.0 96.2



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: 51.59 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

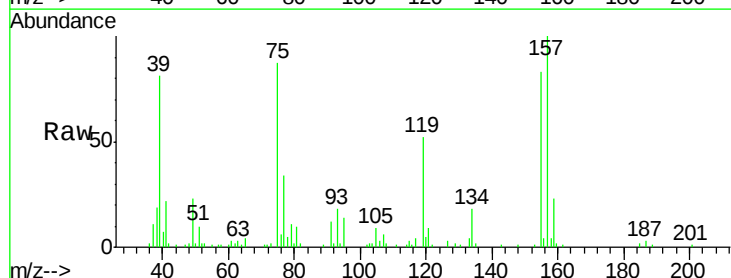
Tgt Ion: 75 Resp: 58434

Ion Ratio Lower Upper

75 100

155 94.4 54.5 163.5

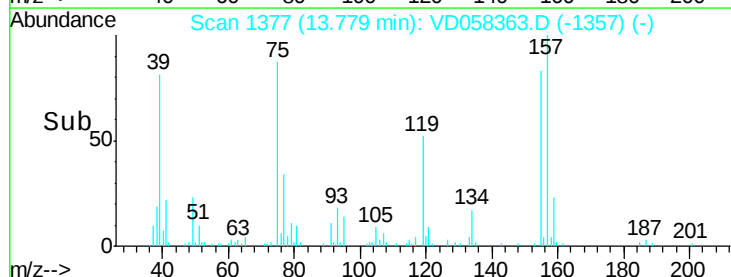
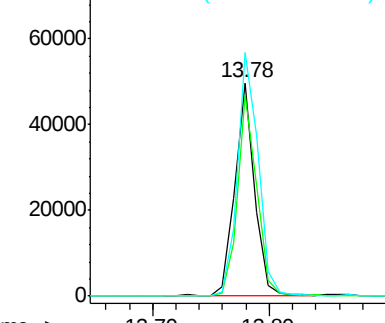
157 114.3 72.0 215.9

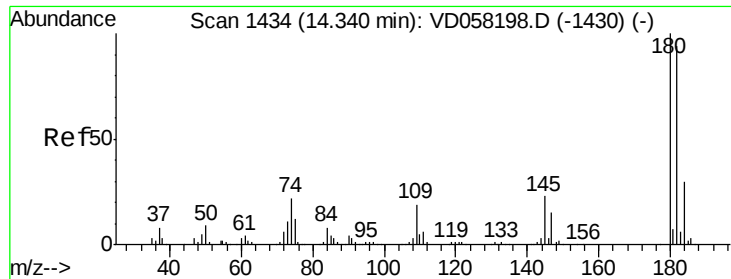


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

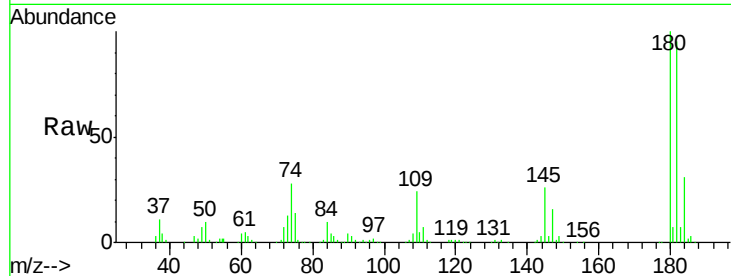




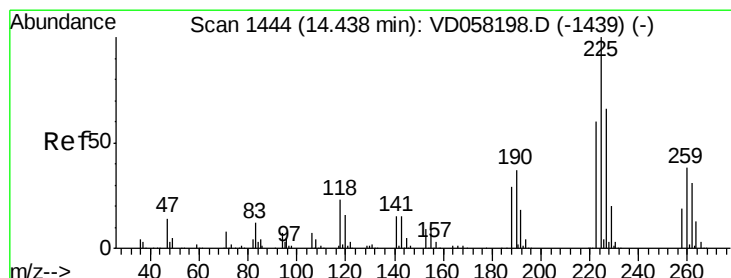
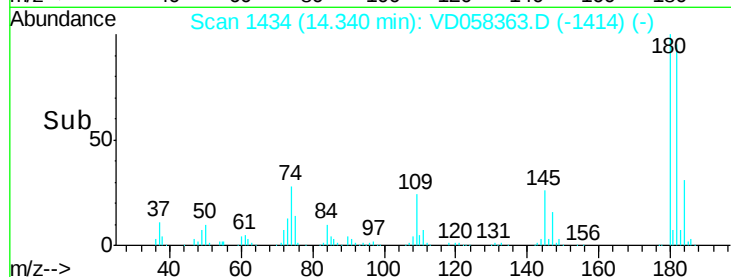
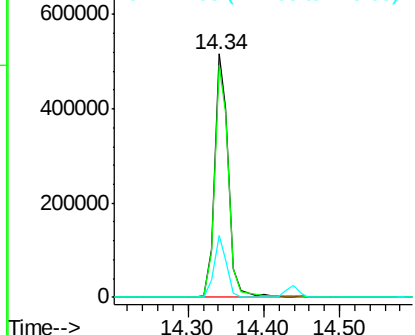
#93
 1,2,4-Trichlorobenzene
 Concen: 51.70 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 669792
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.1 141.3
 145 25.6 11.7 35.0

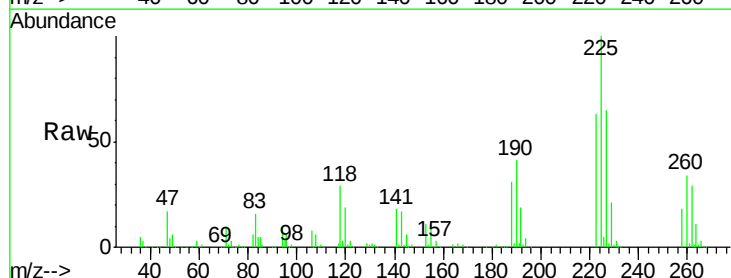


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

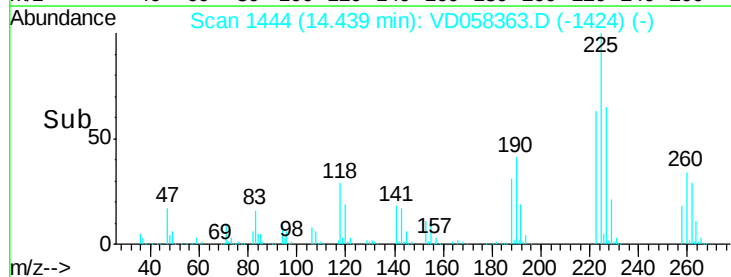
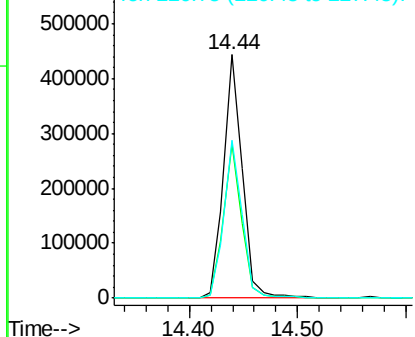


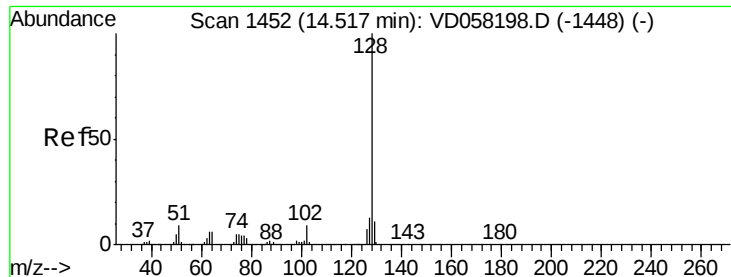
#94
 Hexachlorobutadiene
 Concen: 52.94 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058363.D
 Acq: 24 Jun 2018 10:54

Tgt Ion:225 Resp: 536420
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.1 90.3
 227 64.9 33.0 98.9



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





#95

Naphthalene

Concen: 49.84 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

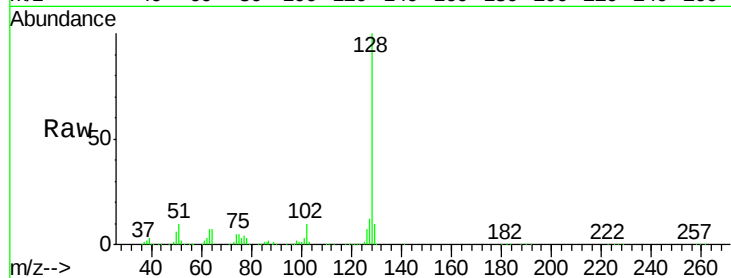
Tot Ion:128 Resp: 850582

Ion Ratio Lower Upper

128 100

127 12.0 10.0 15.0

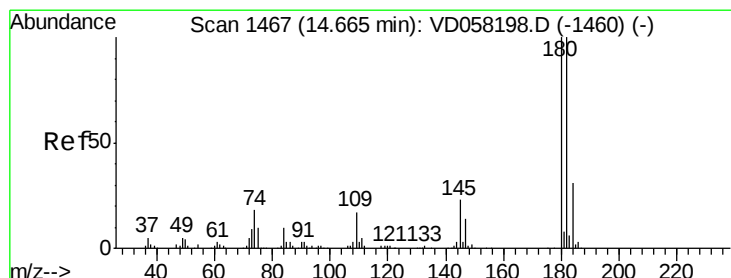
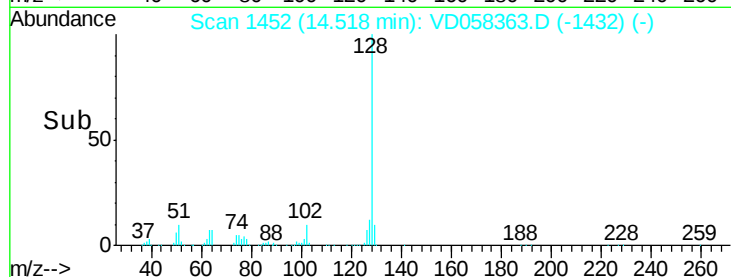
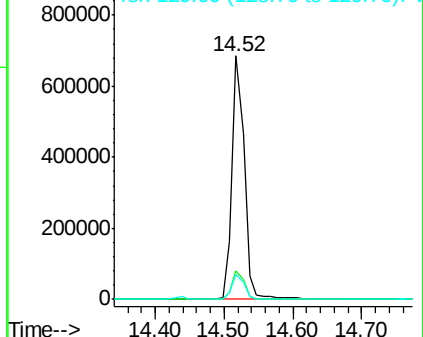
129 10.4 8.7 13.1



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: 49.76 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058363.D

Acq: 24 Jun 2018 10:54

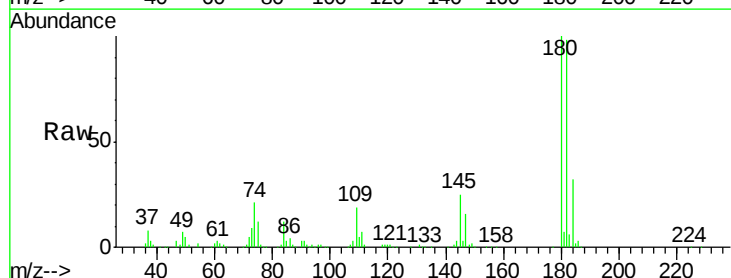
Tgt Ion:180 Resp: 564336

Ion Ratio Lower Upper

180 100

182 97.8 49.9 149.6

145 24.9 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

