

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080918\
 Data File : VD059717.D
 Acq On : 9 Aug 2018 14:51
 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: Aug 10 01:16:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	179496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	224311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	182039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	98566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	140206	60.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	121.44%	
35) Dibromofluoromethane	5.54	113	108946	54.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	8.71	98	221062	50.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.92	95	106849	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	135467	53.77	ug/l	99
3) Chloromethane	1.47	50	56275	50.13	ug/l	91
4) Vinyl Chloride	1.54	62	70835	54.04	ug/l	92
5) Bromomethane	1.77	94	34170	79.21	ug/l	97
6) Chloroethane	1.87	64	35323	66.30	ug/l	94
7) Trichlorofluoromethane	2.07	101	130180	60.93	ug/l	98
8) Diethyl Ether	2.33	74	23335	59.63	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.54	101	67335	55.80	ug/l	96
10) Methyl Iodide	2.68	142	77082	55.56	ug/l	95
11) Tert butyl alcohol	3.26	59	23070	274.58	ug/l	96
12) 1,1-Dichloroethene	2.53	96	49081	55.66	ug/l	98
13) Acrolein	2.46	56	22981	291.21	ug/l	94
14) Allyl chloride	2.90	41	107752	53.41	ug/l	98
15) Acrylonitrile	3.35	53	58833	252.46	ug/l	94
16) Acetone	2.60	43	136135	313.86	ug/l	96
17) Carbon Disulfide	2.74	76	182465	57.28	ug/l	99
18) Methyl Acetate	2.92	43	41046	51.21	ug/l #	91
19) Methyl tert-butyl Ether	3.39	73	191955	57.05	ug/l	97
20) Methylene Chloride	3.05	84	57831	49.06	ug/l	89
21) trans-1,2-Dichloroethene	3.38	96	61769	53.52	ug/l	96
22) Diisopropyl ether	4.05	45	221063	46.58	ug/l	92
23) Vinyl Acetate	4.01	43	766772	254.86	ug/l	99
24) 1,1-Dichloroethane	3.96	63	154382	49.15	ug/l	98
25) 2-Butanone	4.82	43	149419	262.28	ug/l	94
26) 2,2-Dichloropropane	4.78	77	195330	58.23	ug/l	92
27) cis-1,2-Dichloroethene	4.79	96	74376	44.38	ug/l	80
28) Bromochloromethane	5.14	49	56676	48.87	ug/l	83
29) Tetrahydrofuran	5.18	42	51278	232.42	ug/l	96
30) Chloroform	5.31	83	199968	52.23	ug/l	100
31) Cyclohexane	5.58	56	93782	45.22	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	210474	56.52	ug/l	95
36) 1,1-Dichloropropene	5.74	75	129066	51.76	ug/l	95
37) Ethyl Acetate	4.91	43	67420	55.68	ug/l #	96
38) Carbon Tetrachloride	5.72	117	205916	61.70	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	101183	48.01	ug/l	91
40) Benzene	6.00	78	220492	45.59	ug/l	97
41) Methacrylonitrile	5.11	41	28908	51.06	ug/l	91
42) 1,2-Dichloroethane	6.12	62	181566	60.73	ug/l	98
43) Isopropyl Acetate	7.61	43	80812	51.06	ug/l	94
44) Trichloroethene	6.98	130	90934	51.46	ug/l	99
45) 1,2-Dichloropropane	7.34	63	61064	47.82	ug/l	96
46) Dibromomethane	7.46	93	59376	53.65	ug/l	90
47) Bromodichloromethane	7.73	83	155714	55.24	ug/l	99
48) Methyl methacrylate	7.50	41	58011	55.54	ug/l	89
49) 1,4-Dioxane	7.49	88	8466	932.13	ug/l #	73
51) 4-Methyl-2-Pentanone	8.59	43	331575	287.29	ug/l	98
52) Toluene	8.80	92	150722	48.85	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	134368	56.34	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	128713	52.40	ug/l	90
55) 1,1,2-Trichloroethane	9.45	97	55393	46.75	ug/l	91
56) Ethyl methacrylate	9.31	69	70851	54.19	ug/l	90
57) 1,3-Dichloropropane	9.66	76	95511	51.94	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	158630	254.67	ug/l	96
59) 2-Hexanone	9.78	43	252866	291.76	ug/l	99
60) Dibromochloromethane	9.96	129	112602	59.80	ug/l	94
61) 1,2-Dibromoethane	10.09	107	75450	55.37	ug/l	97
64) Tetrachloroethene	9.51	164	86862	50.40	ug/l	96
65) Chlorobenzene	10.72	112	190848	49.75	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	93111	55.36	ug/l	97
67) Ethyl Benzene	10.85	91	335788	48.60	ug/l	99
68) m/p-Xylenes	11.01	106	223237	101.01	ug/l	90
69) o-Xylene	11.40	106	99872	46.48	ug/l	99
70) Styrene	11.43	104	176087	48.83	ug/l	95
71) Bromoform	11.60	173	81625	64.42	ug/l	99
73) Isopropylbenzene	11.77	105	353288	53.33	ug/l	97
74) N-amyl acetate	11.64	43	110268	52.03	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	62997	47.39	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	79883	52.43	ug/l	98
77) Bromobenzene	12.04	156	103348	53.53	ug/l	84
78) n-propylbenzene	12.15	91	409534	49.89	ug/l	100
79) 2-Chlorotoluene	12.22	91	259050	52.25	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	294778	53.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	19933	53.60	ug/l	93
82) 4-Chlorotoluene	12.33	91	296528	51.09	ug/l	86
83) tert-Butylbenzene	12.57	119	331734	53.71	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	307230	52.54	ug/l	98
85) sec-Butylbenzene	12.75	105	357135	52.07	ug/l	95
86) p-Isopropyltoluene	12.89	119	324603	55.50	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	169826	50.96	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	171745	51.66	ug/l	96
89) n-Butylbenzene	13.19	91	298359	50.31	ug/l	97
90) Hexachloroethane	13.40	117	88768	58.56	ug/l	94
91) 1,2-Dichlorobenzene	13.19	146	142371	50.73	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	17929	64.58	ug/l	84

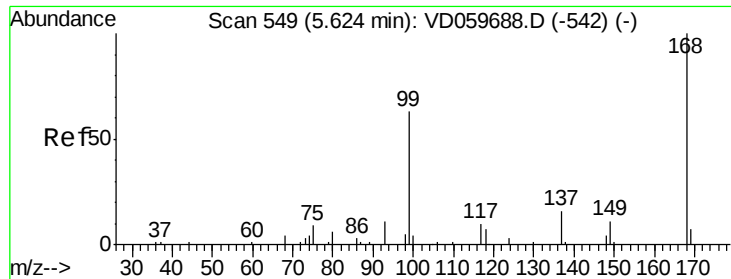
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080918\
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Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	136646	54.13	ug/l	98
94) Hexachlorobutadiene	14.43	225	108762	55.55	ug/l	100
95) Naphthalene	14.51	128	177216	47.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	117679	53.29	ug/l	98

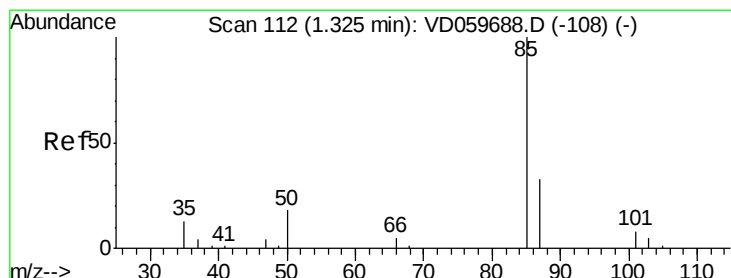
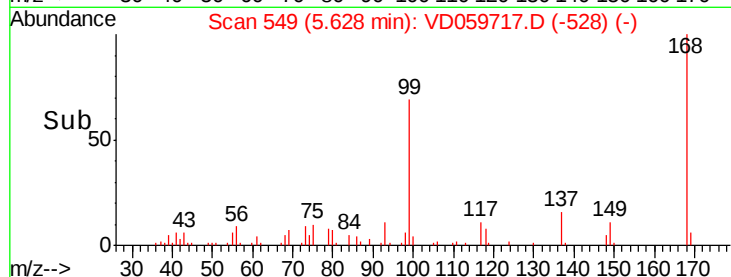
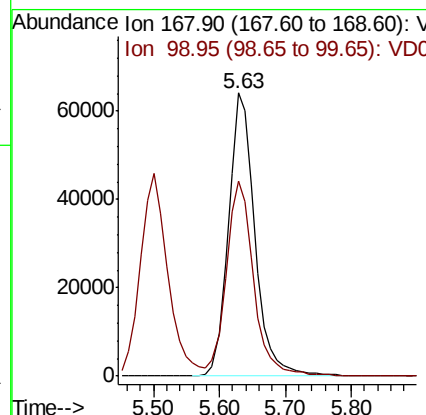
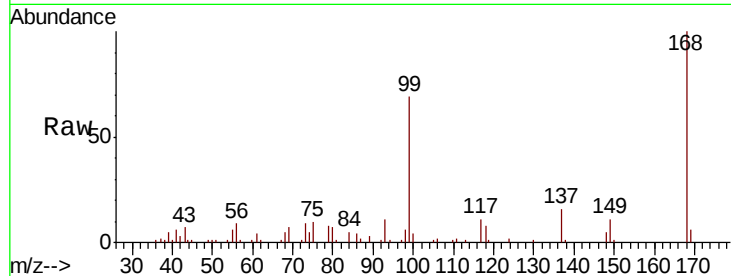
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

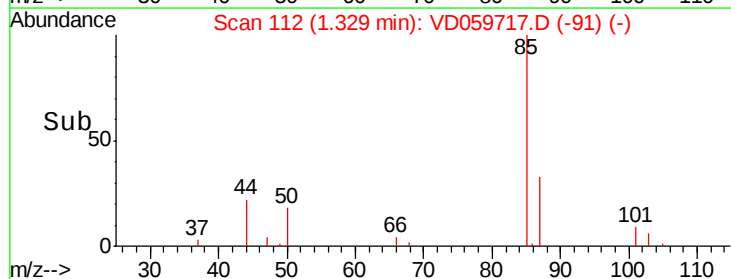
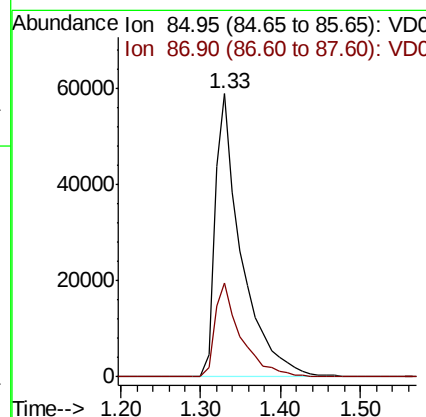
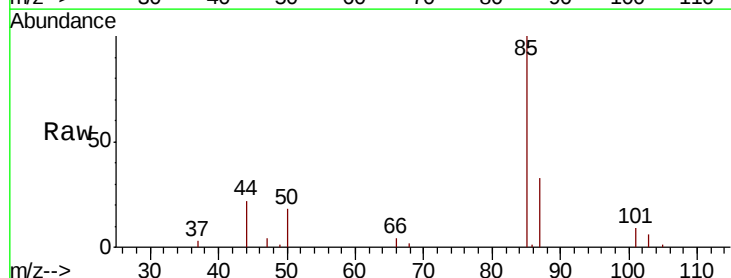
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

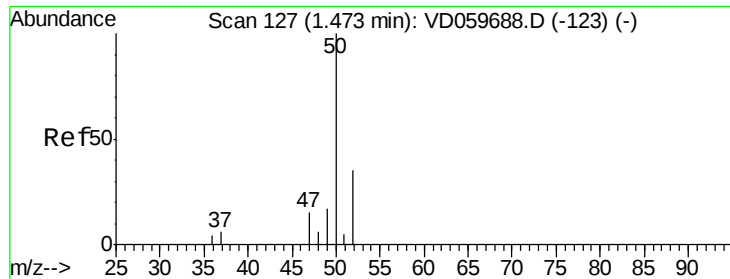
Tot Ion:168 Resp: 179496
Ion Ratio Lower Upper
168 100
99 69.0 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 53.77 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 85 Resp: 135467
Ion Ratio Lower Upper
85 100
87 33.3 16.4 49.1





#3

Chloromethane

Concen: 50.13 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

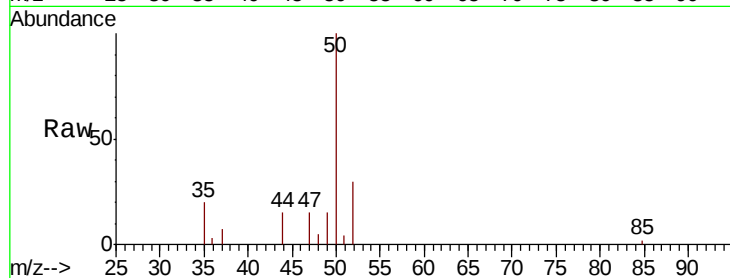
VSTDCCC050

Tot Ion: 50 Resp: 56275

Ion Ratio Lower Upper

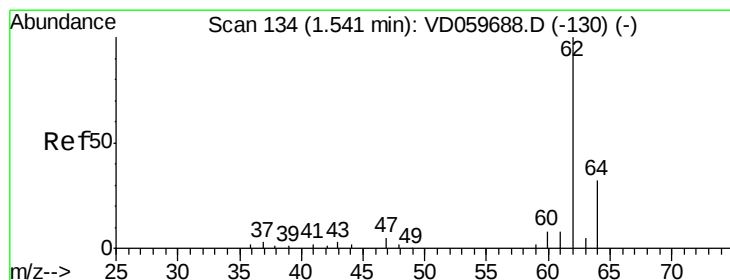
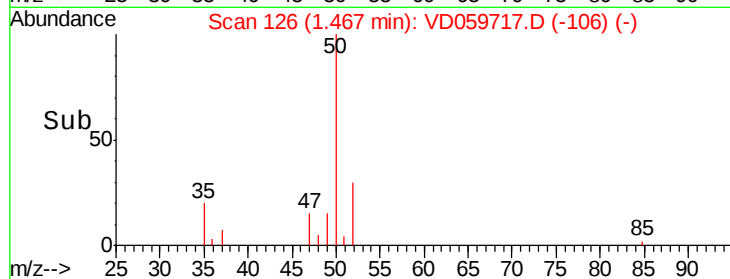
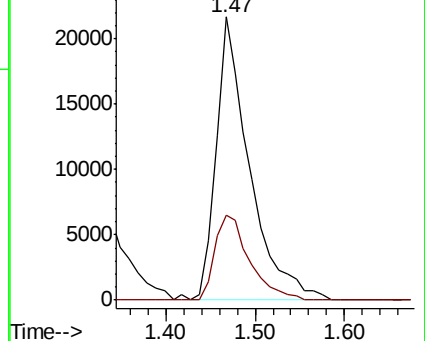
50 100

52 30.2 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.04 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059717.D

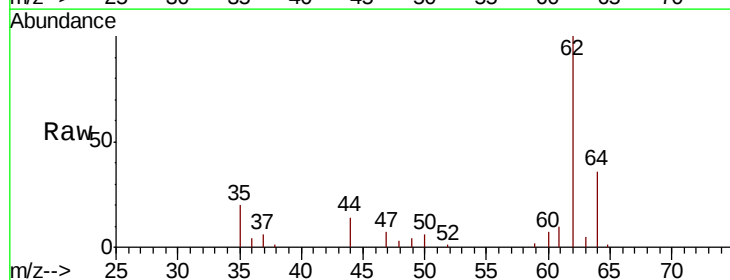
Acq: 9 Aug 2018 14:51

Tgt Ion: 62 Resp: 70835

Ion Ratio Lower Upper

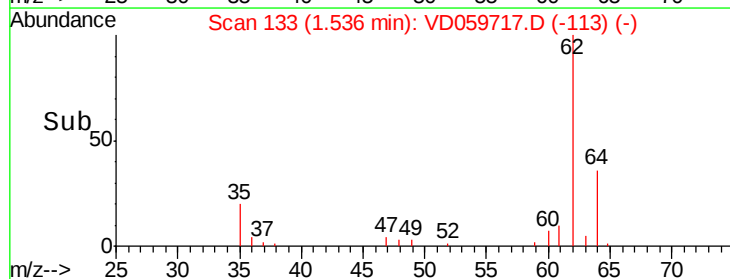
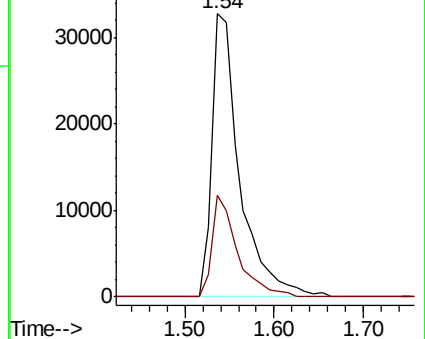
62 100

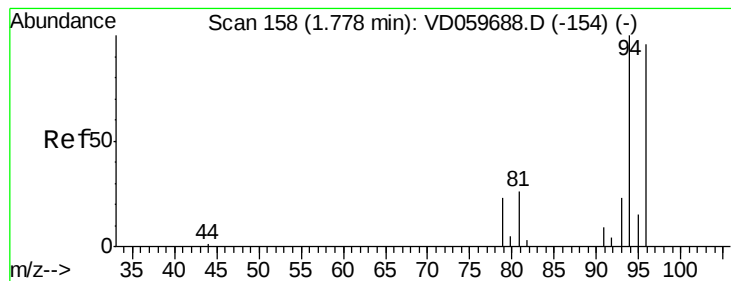
64 35.9 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 79.21 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

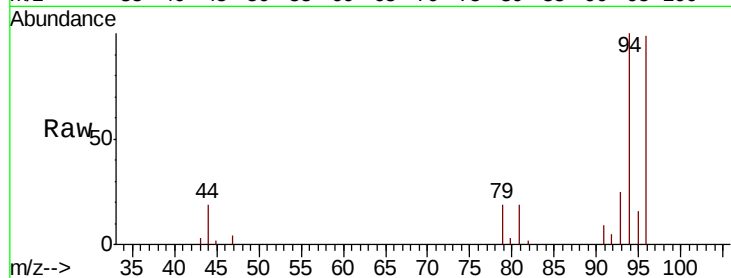
VSTDCCC050

Tot Ion: 94 Resp: 34170

Ion Ratio Lower Upper

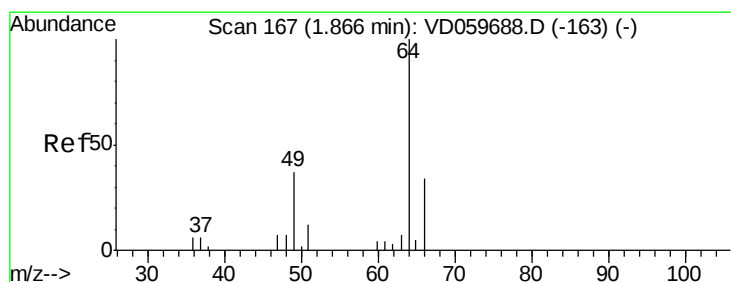
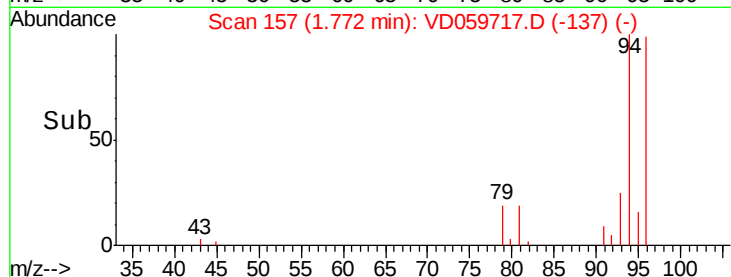
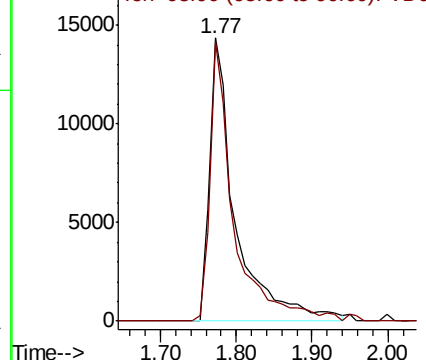
94 100

96 98.5 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 66.30 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059717.D

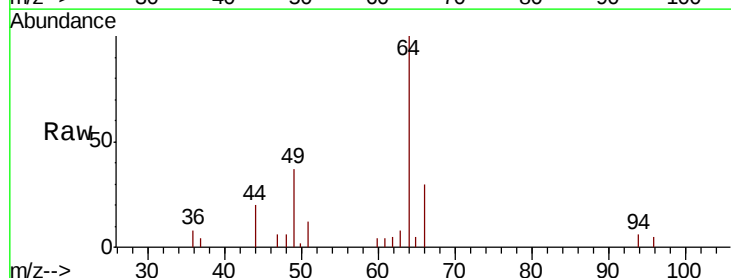
Acq: 9 Aug 2018 14:51

Tgt Ion: 64 Resp: 35323

Ion Ratio Lower Upper

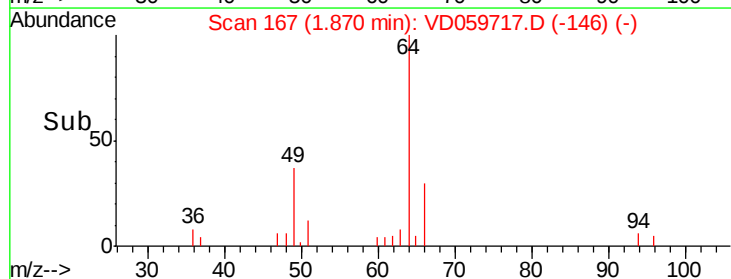
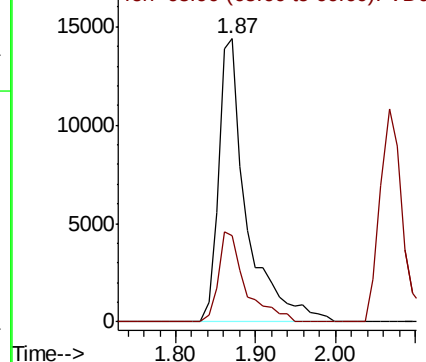
64 100

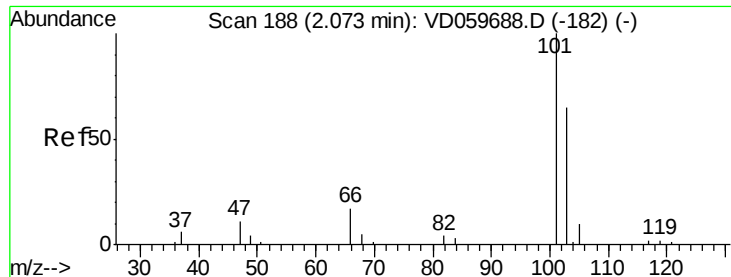
66 30.3 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



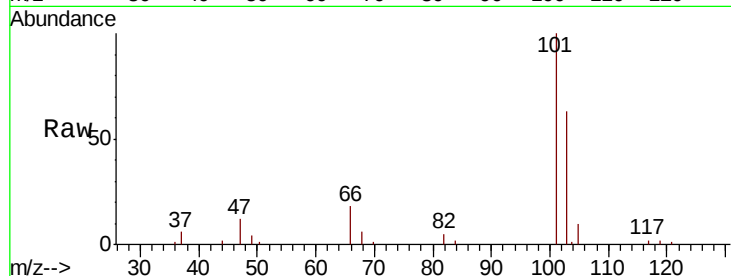


#7

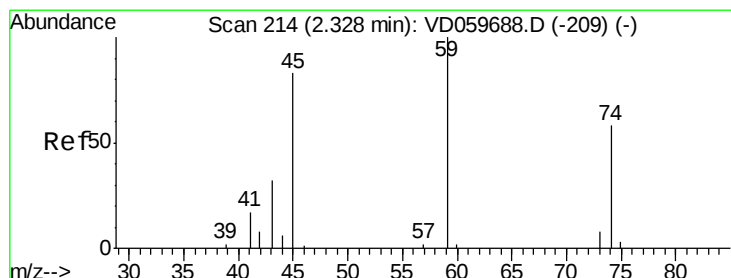
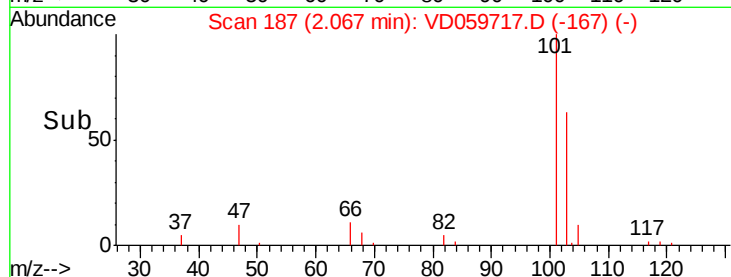
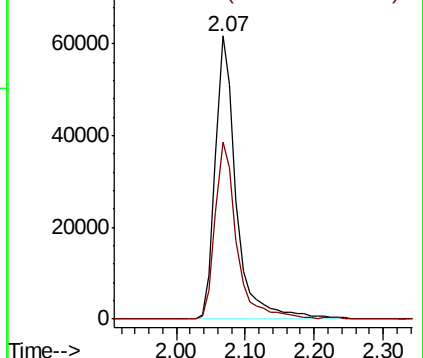
Trichlorofluoromethane
Concen: 60.93 ug/l
RT: 2.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 130180
Ion Ratio Lower Upper
101 100
103 62.8 51.7 77.5



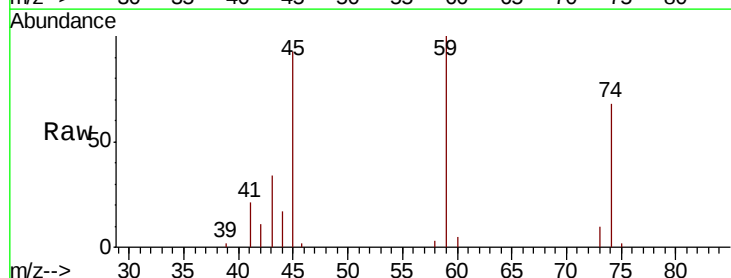
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



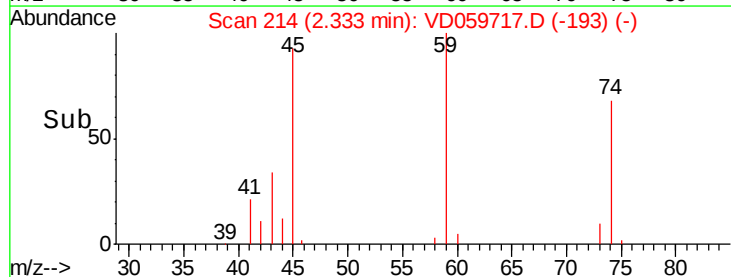
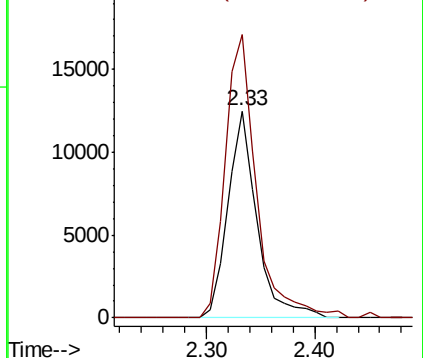
#8

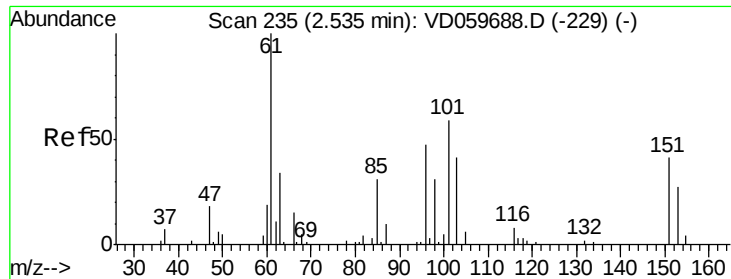
Diethyl Ether
Concen: 59.63 ug/l
RT: 2.33 min Scan# 214
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 74 Resp: 23335
Ion Ratio Lower Upper
74 100
45 136.8 71.4 214.2



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: 55.80 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

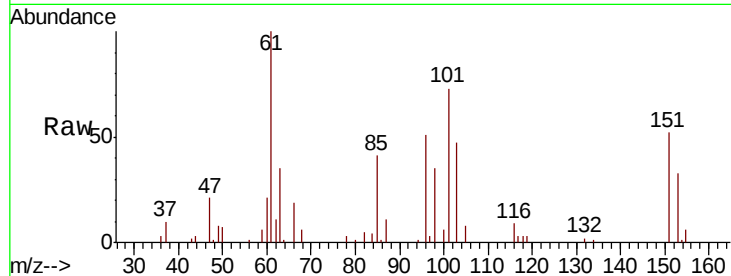
Tot Ion:101 Resp: 67335

Ion Ratio Lower Upper

101 100

85 56.4 42.2 63.4

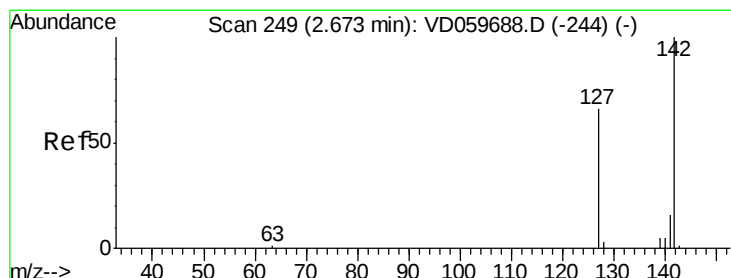
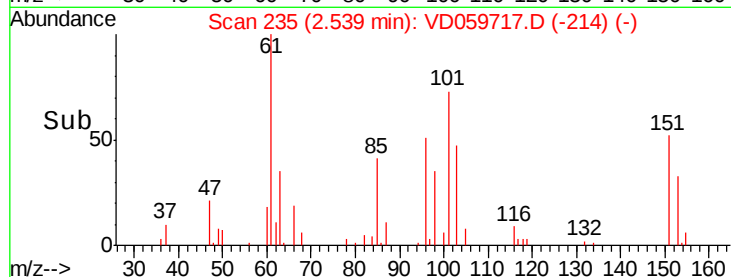
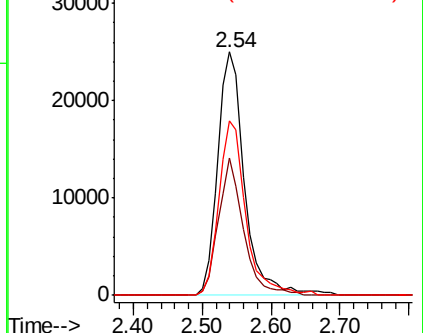
151 71.6 55.2 82.8



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: 55.56 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

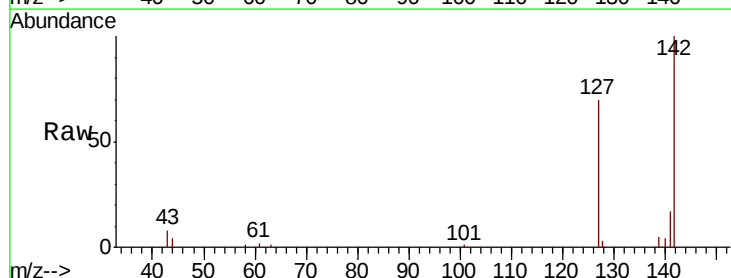
Tgt Ion:142 Resp: 77082

Ion Ratio Lower Upper

142 100

127 70.2 52.6 79.0

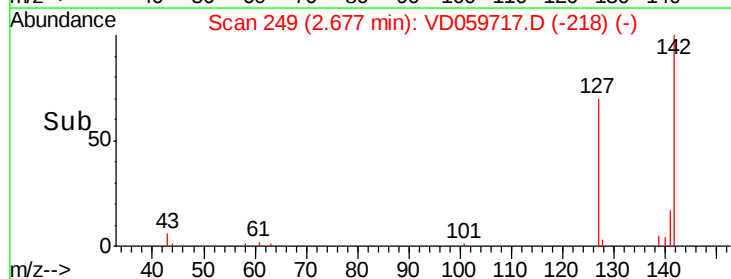
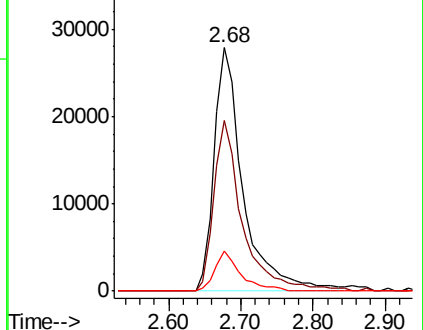
141 16.6 12.5 18.7

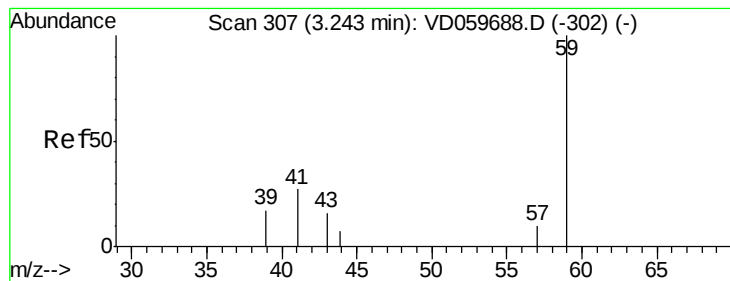


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



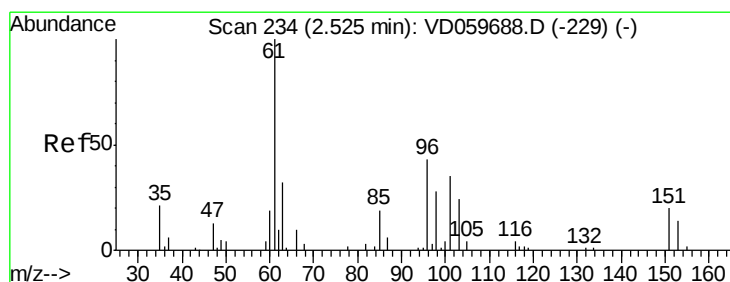
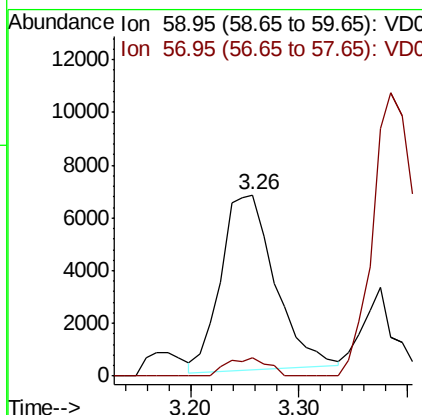
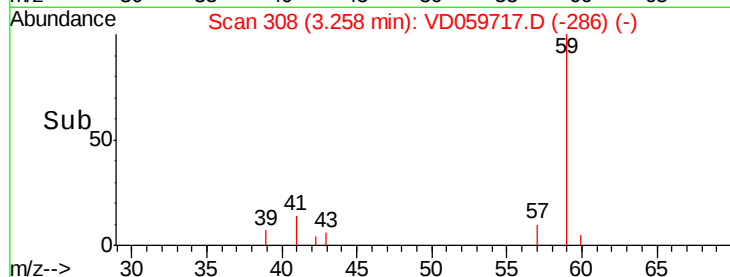
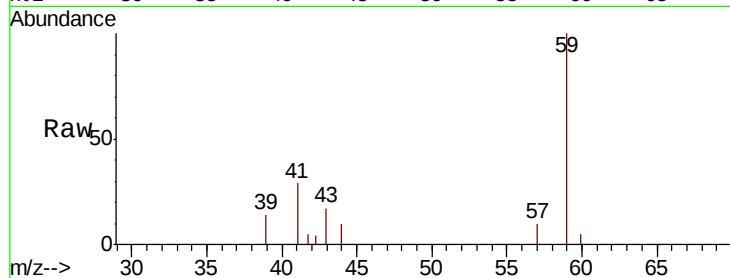


#11

Tert butyl alcohol
 Concen: 274.58 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

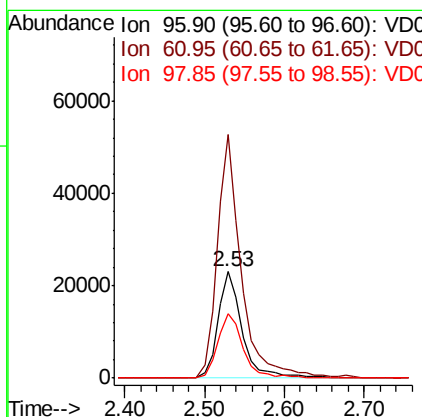
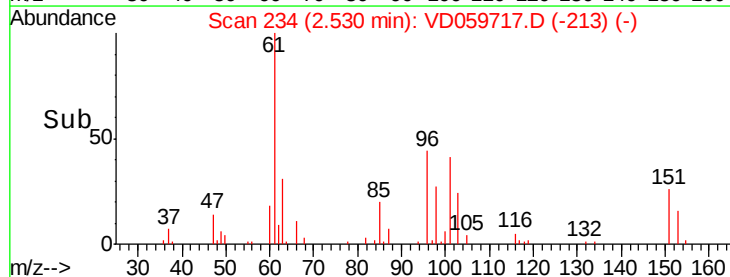
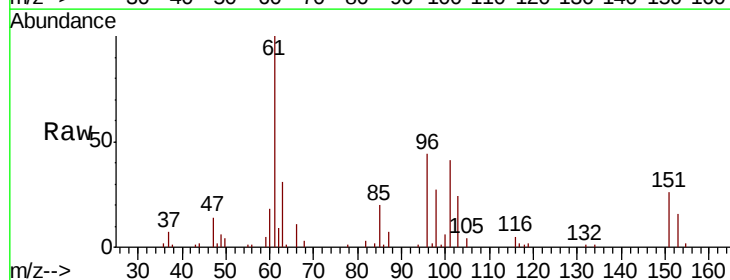
Tot Ion: 59 Resp: 23070
 Ion Ratio Lower Upper
 59 100
 57 9.9 6.8 10.2

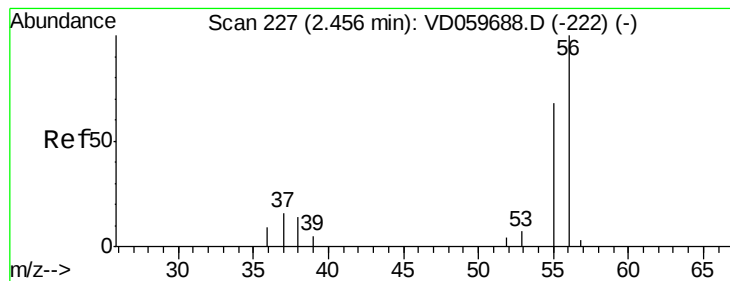


#12

1,1-Dichloroethene
 Concen: 55.66 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 96 Resp: 49081
 Ion Ratio Lower Upper
 96 100
 61 229.4 184.1 276.1
 98 61.3 52.4 78.6





#13

Acrolein

Concen: 291.21 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

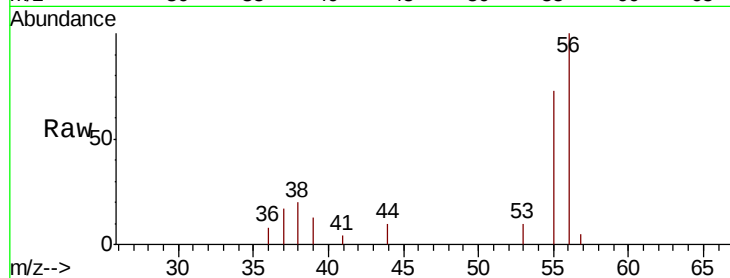
VSTDCCC050

Tot Ion: 56 Resp: 22981

Ion Ratio Lower Upper

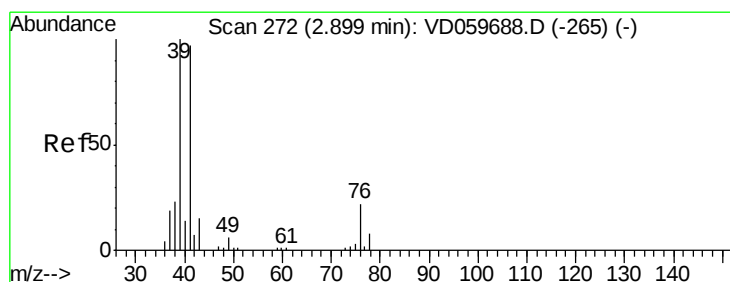
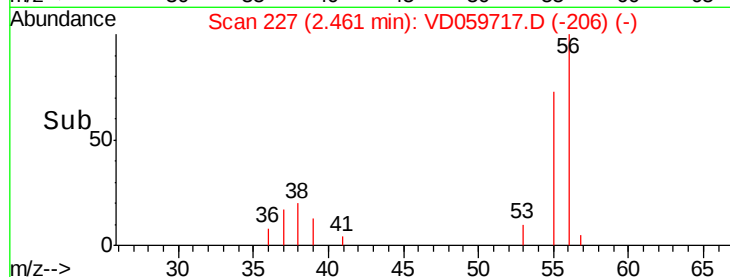
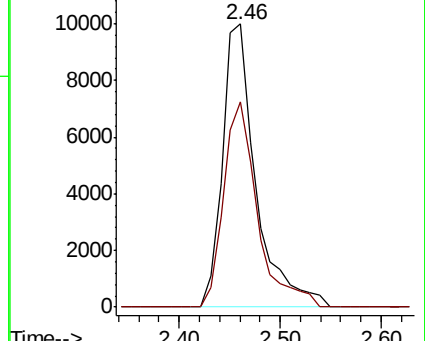
56 100

55 72.5 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.41 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

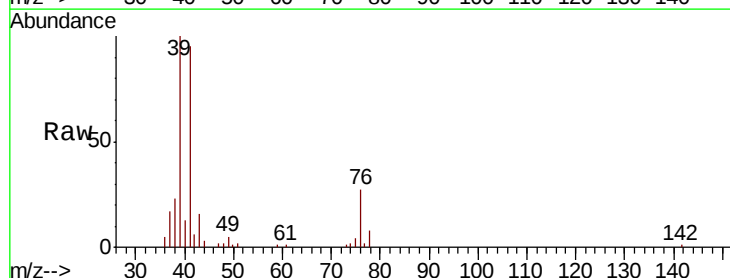
Tgt Ion: 41 Resp: 107752

Ion Ratio Lower Upper

41 100

39 104.8 82.5 123.7

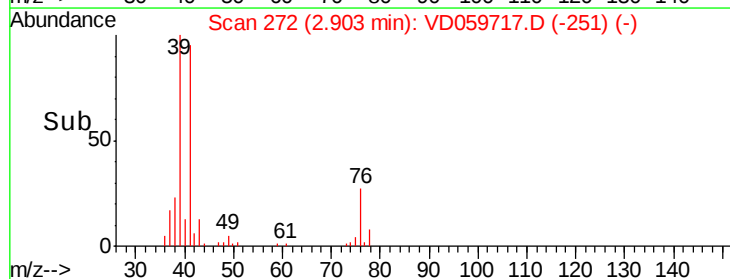
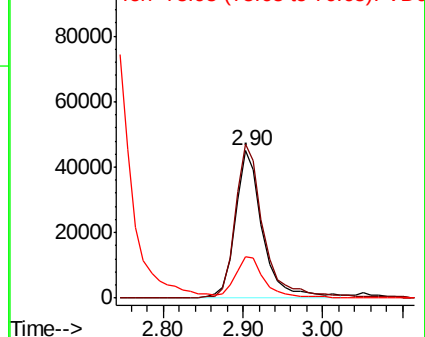
76 28.3 22.1 33.1

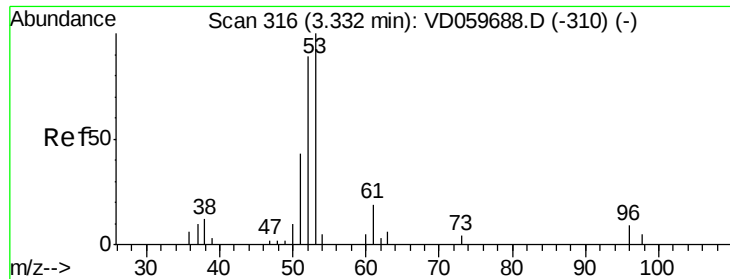


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 252.46 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

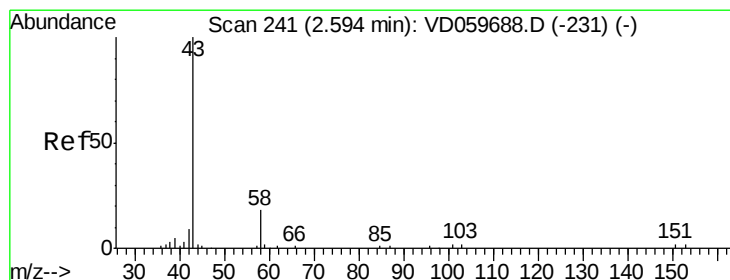
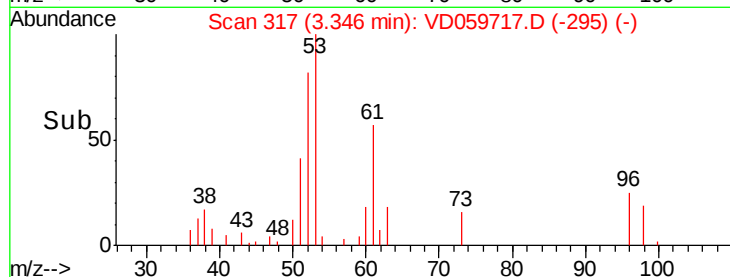
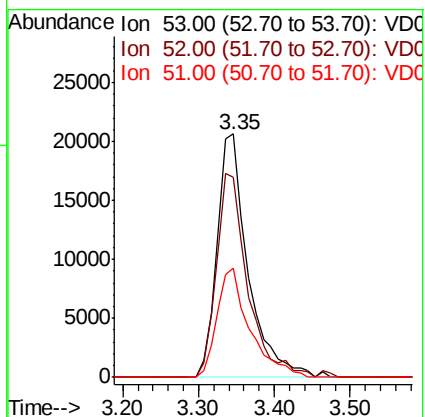
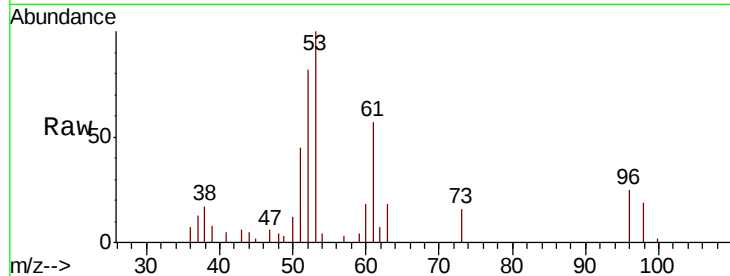
Tot Ion: 53 Resp: 58833

Ion Ratio Lower Upper

53 100

52 82.3 71.4 107.0

51 44.8 34.2 51.4



#16

Acetone

Concen: 313.86 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059717.D

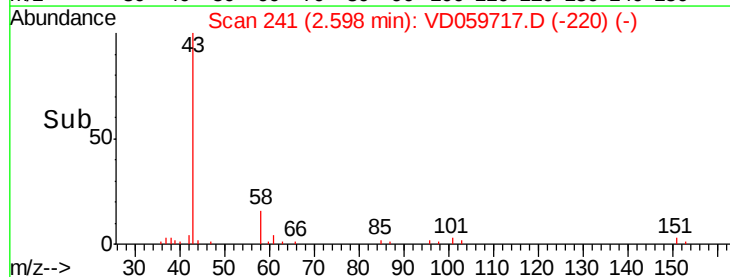
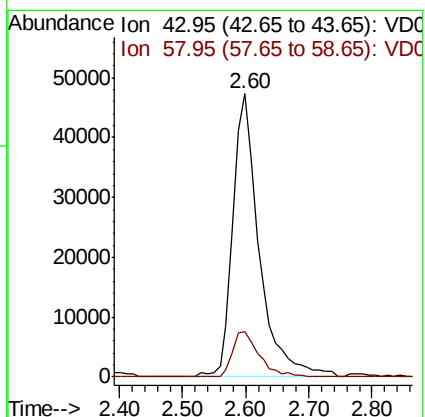
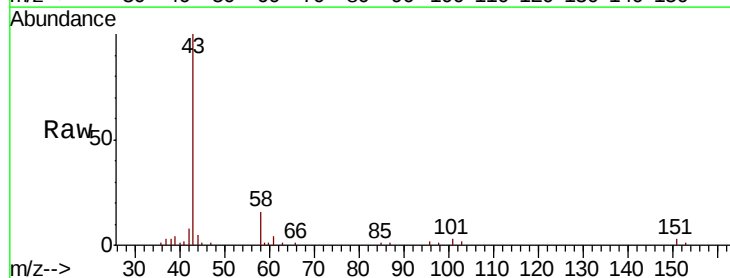
Acq: 9 Aug 2018 14:51

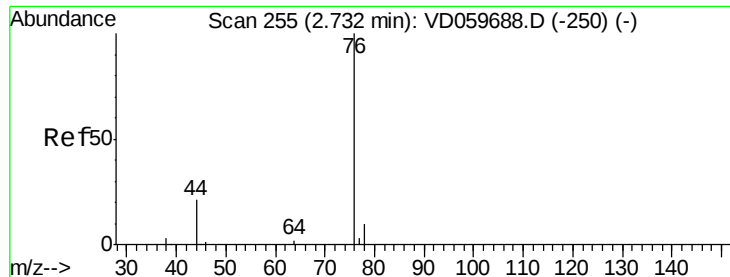
Tgt Ion: 43 Resp: 136135

Ion Ratio Lower Upper

43 100

58 15.8 14.2 21.2

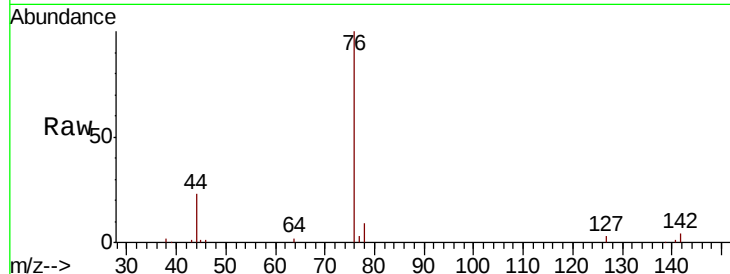




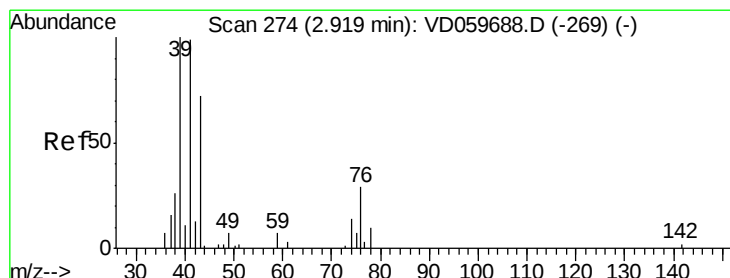
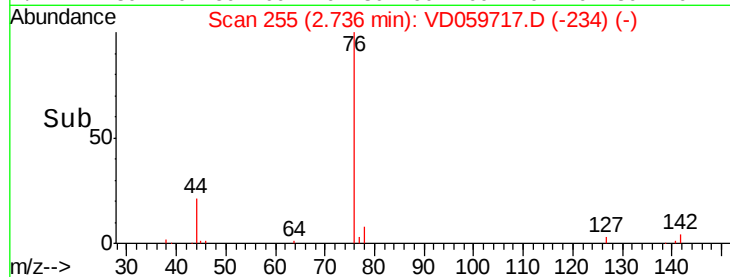
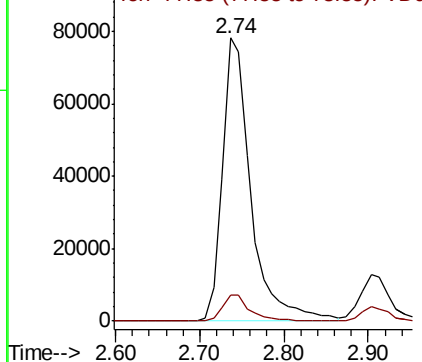
#17
Carbon Disulfide
Concen: 57.28 ug/l
RT: 2.74 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 182465
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

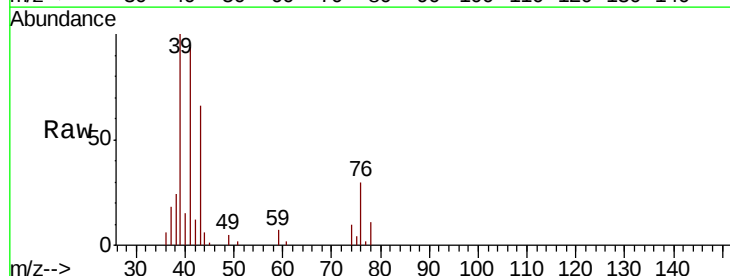


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

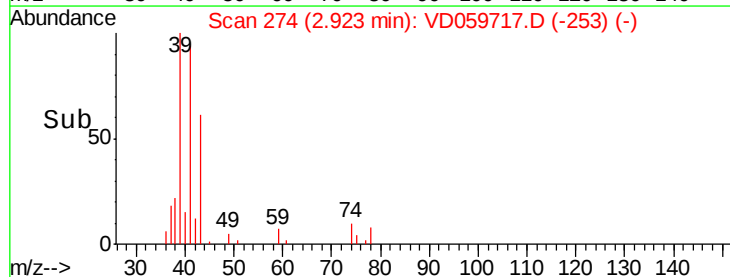
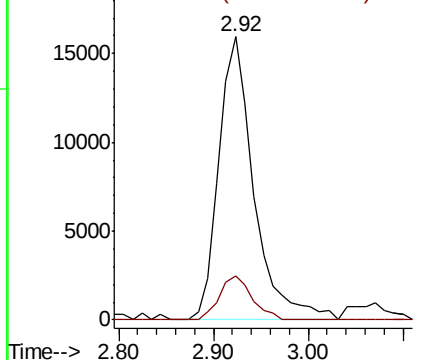


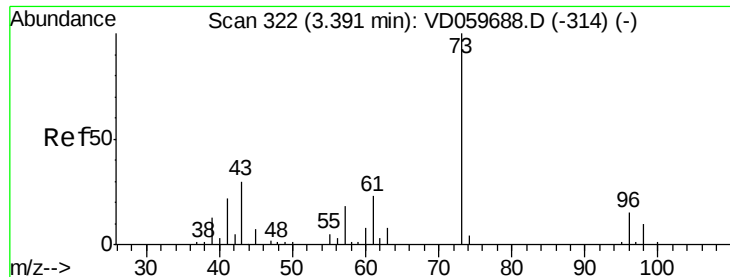
#18
Methyl Acetate
Concen: 51.21 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 43 Resp: 41046
Ion Ratio Lower Upper
43 100
74 15.4 15.7 23.5#



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

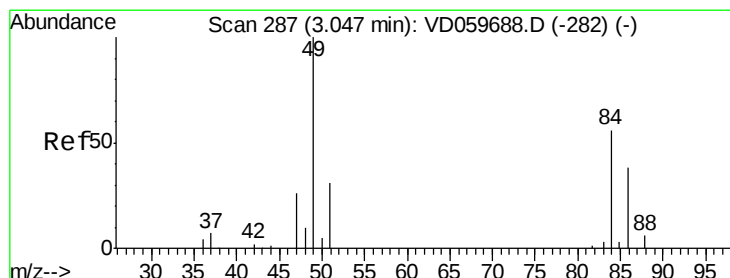
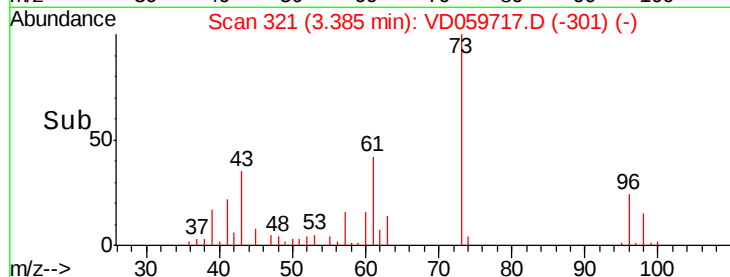
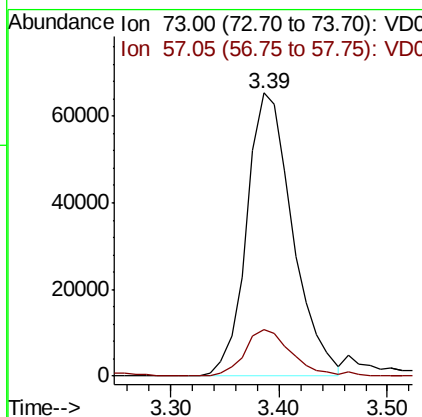
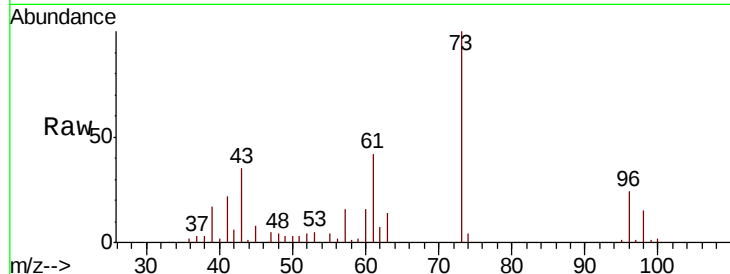




#19
Methvl tert-butvl Ether
Concen: 57.05 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

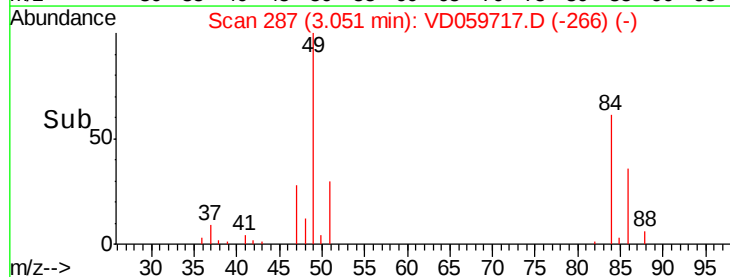
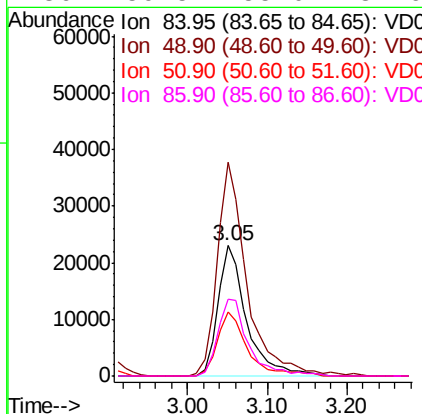
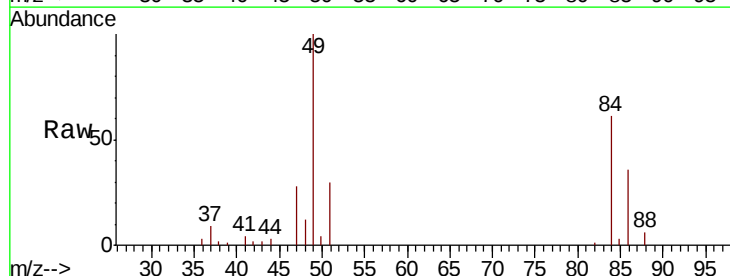
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

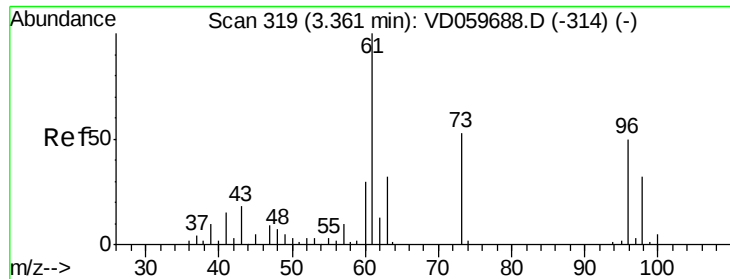
Tot Ion: 73 Resp: 191955
Ion Ratio Lower Upper
73 100
57 16.4 14.3 21.5



#20
Methylene Chloride
Concen: 49.06 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 84 Resp: 57831
Ion Ratio Lower Upper
84 100
49 164.1 143.4 215.2
51 48.8 44.2 66.4
86 59.5 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 53.52 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

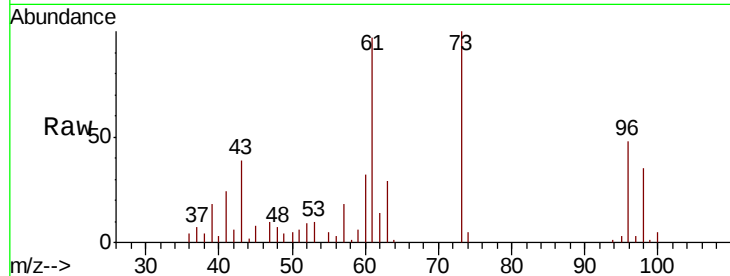
Tot Ion: 96 Resp: 61769

Ion Ratio Lower Upper

96 100

61 203.7 160.6 241.0

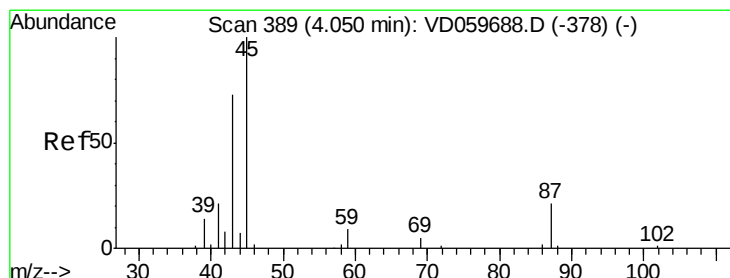
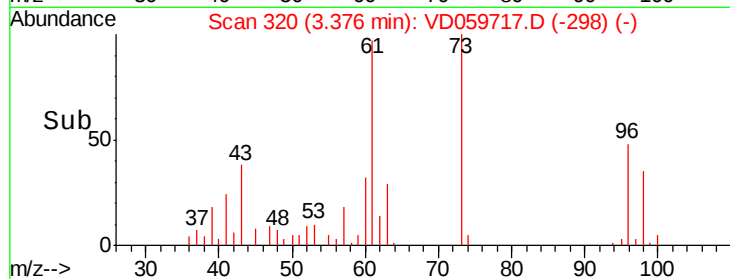
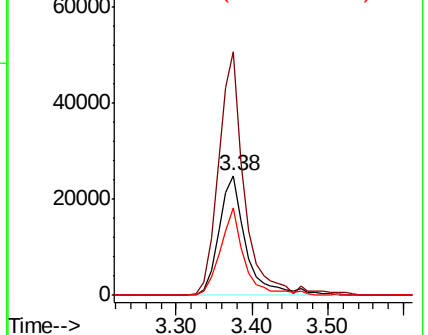
98 73.0 50.9 76.3



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: 46.58 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Tgt Ion: 45 Resp: 221063

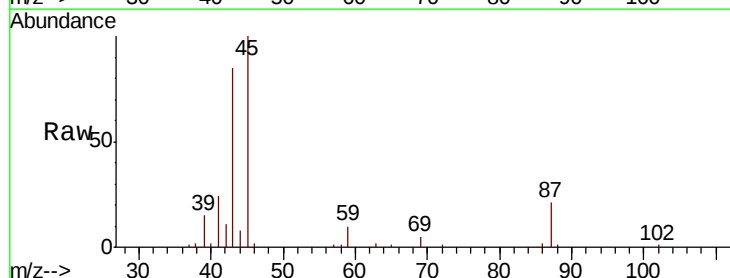
Ion Ratio Lower Upper

45 100

43 84.7 60.3 90.5

87 20.9 17.0 25.6

59 10.4 7.9 11.9

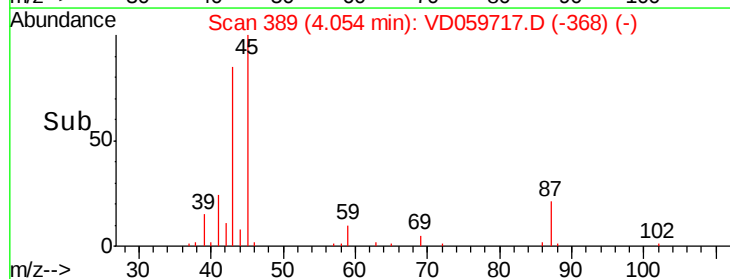
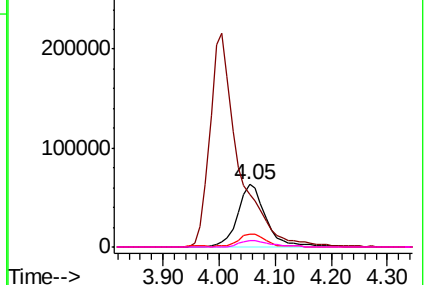


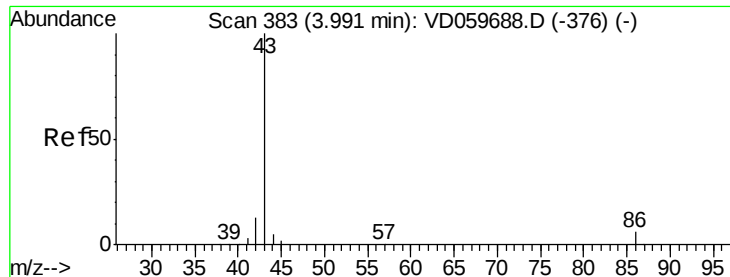
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 254.86 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

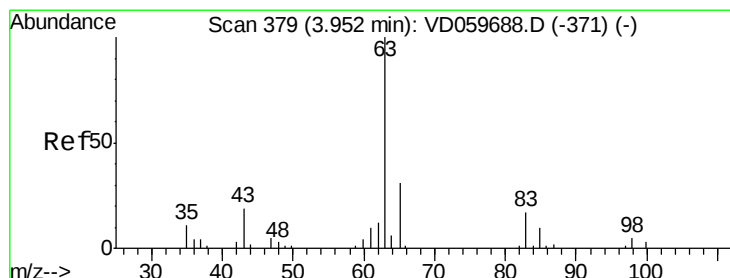
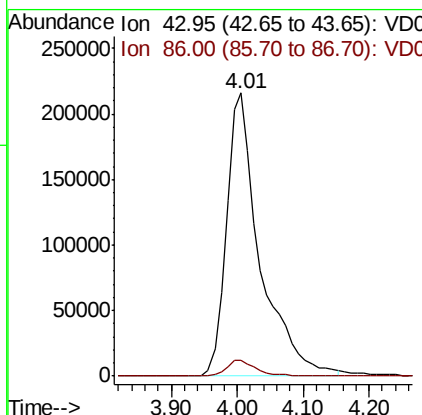
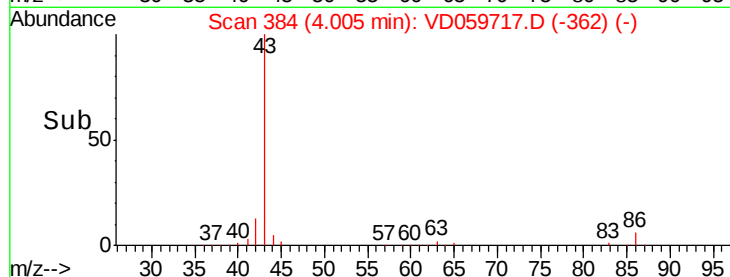
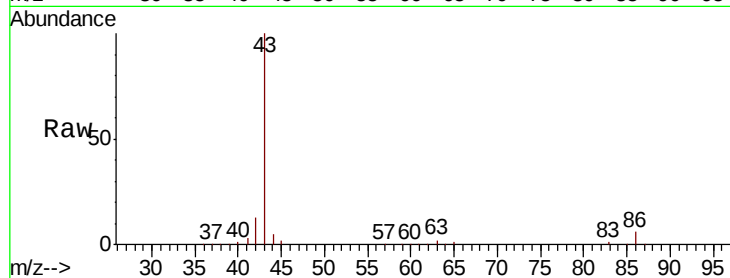
VSTDCCC050

Tot Ion: 43 Resp: 766772

Ion Ratio Lower Upper

43 100

86 5.8 4.8 7.2



#24

1,1-Dichloroethane

Concen: 49.15 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

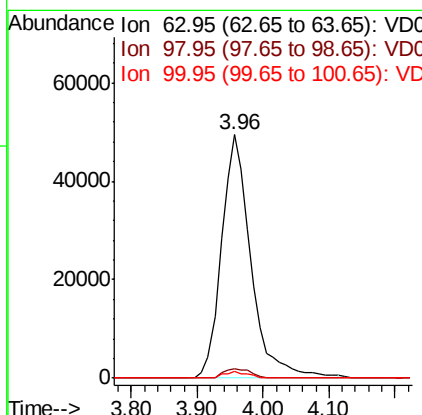
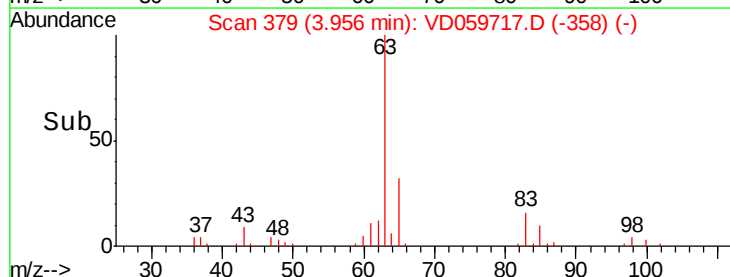
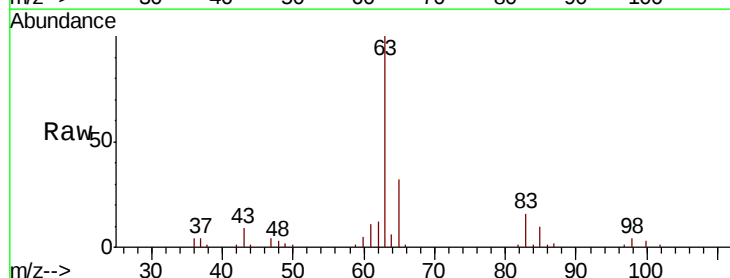
Tgt Ion: 63 Resp: 154382

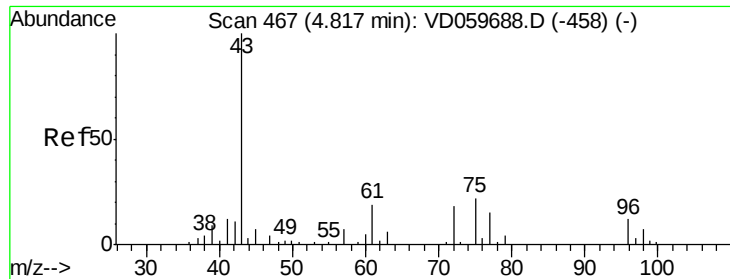
Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.1

100 2.6 1.6 4.8





#25

2-Butanone

Concen: 262.28 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

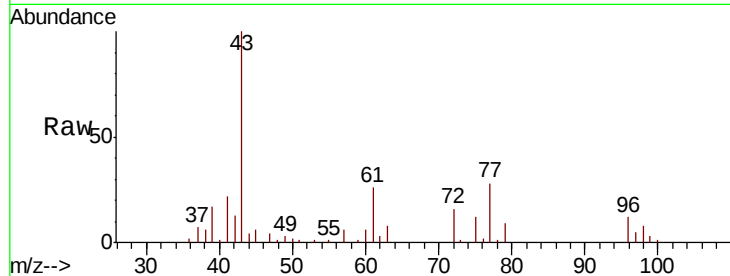
VSTDCCC050

Tot Ion: 43 Resp: 149419

Ion Ratio Lower Upper

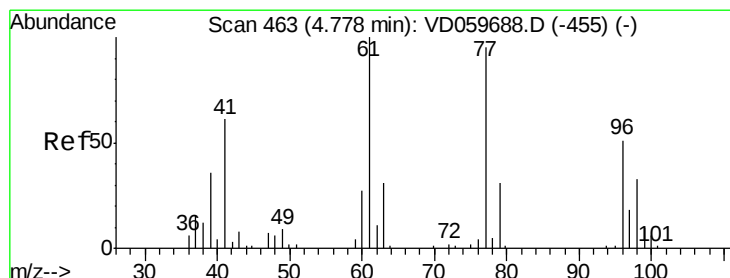
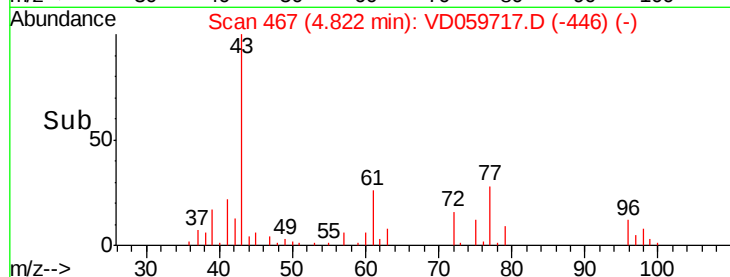
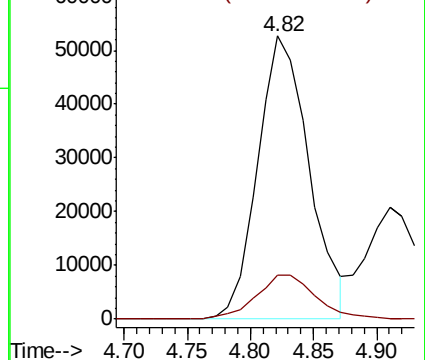
43 100

72 15.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 58.23 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059717.D

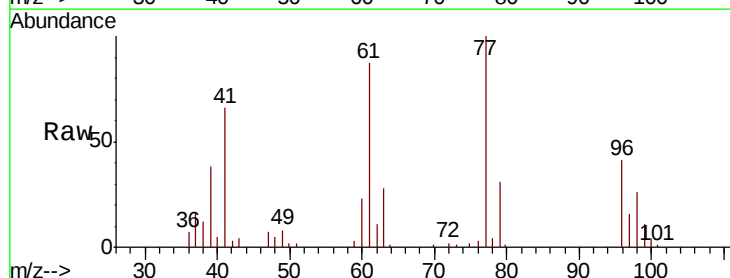
Acq: 9 Aug 2018 14:51

Tgt Ion: 77 Resp: 195330

Ion Ratio Lower Upper

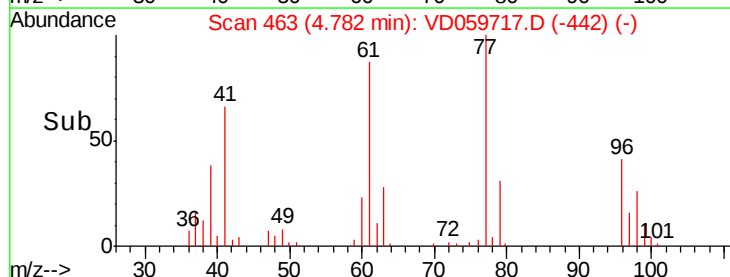
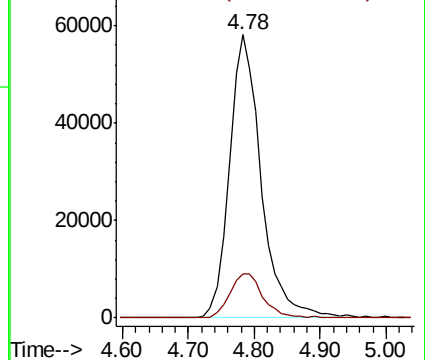
77 100

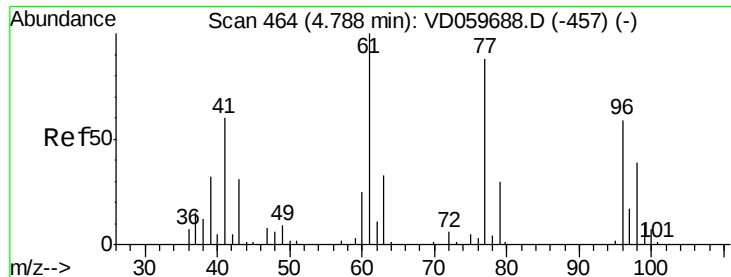
97 15.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 44.38 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

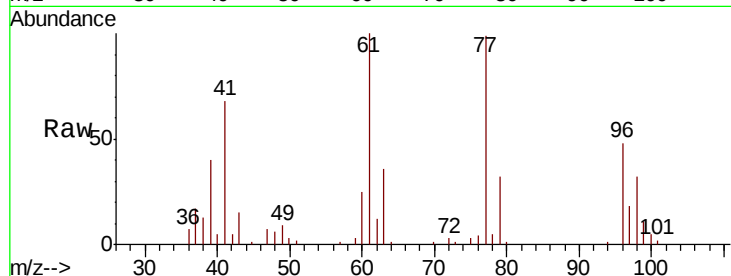
Tot Ion: 96 Resp: 74376

Ion Ratio Lower Upper

96 100

61 208.0 0.0 341.6

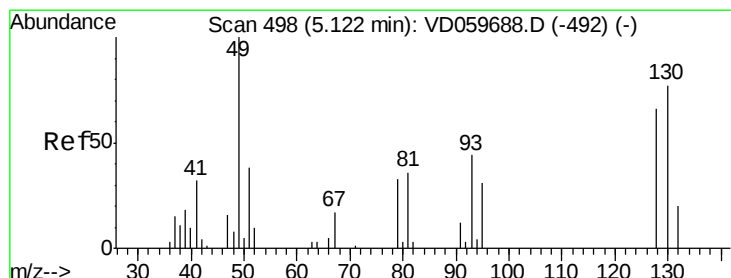
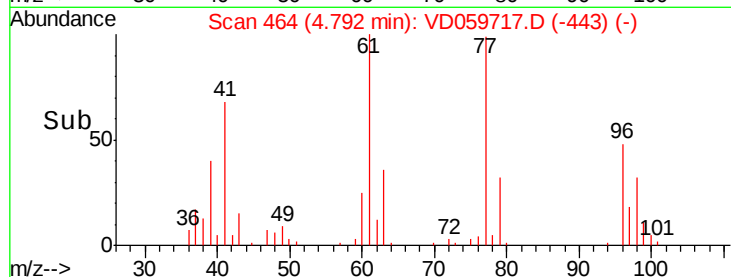
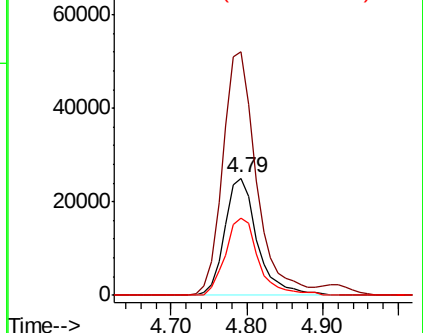
98 66.4 0.0 131.0



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



#28

Bromochloromethane

Concen: 48.87 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

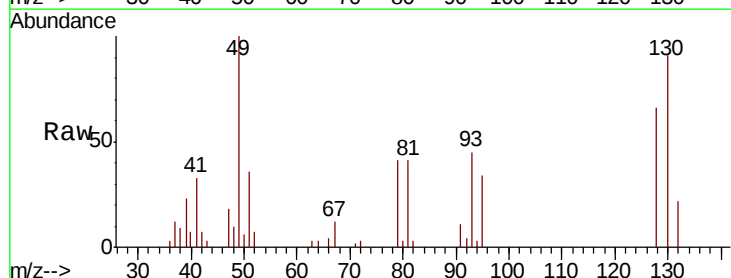
Tgt Ion: 49 Resp: 56676

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

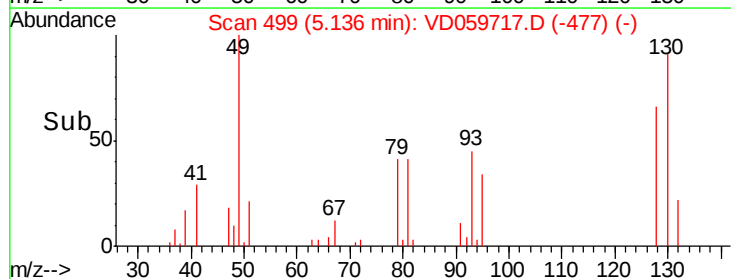
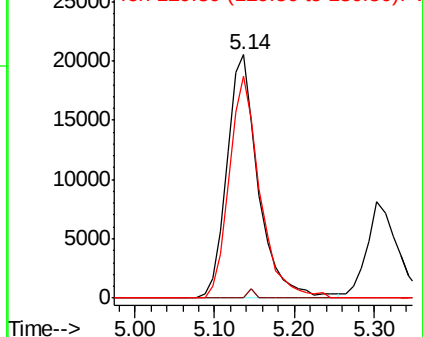
130 91.3 61.2 91.8

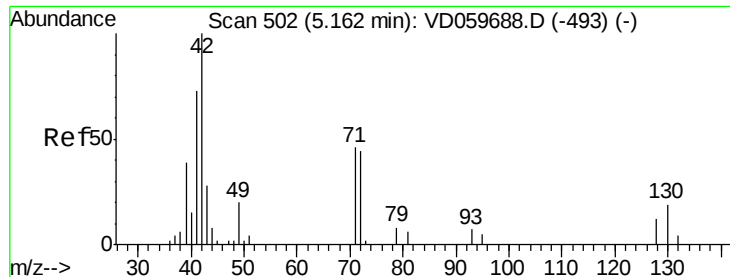


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

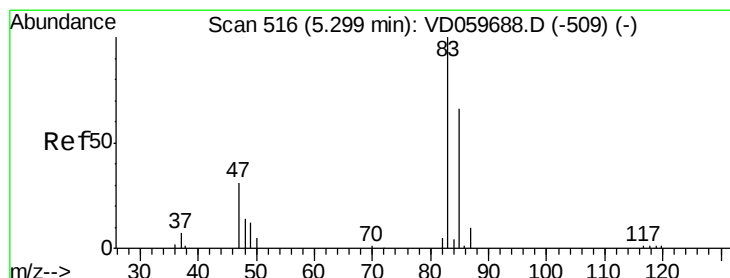
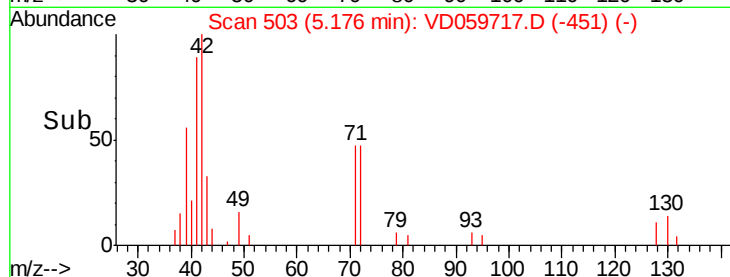
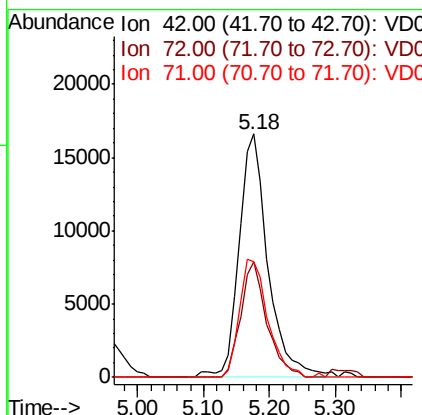
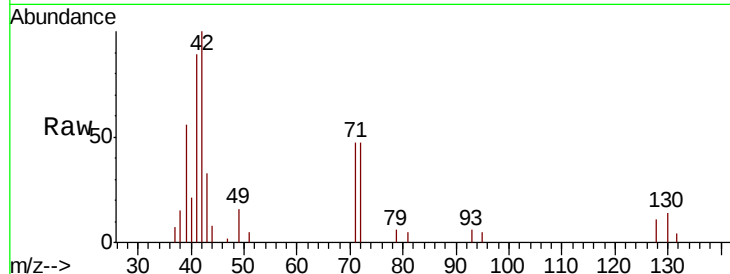




#29
Tetrahydrofuran
Concen: 232.42 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

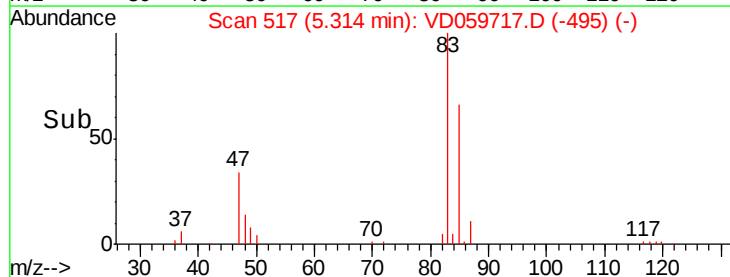
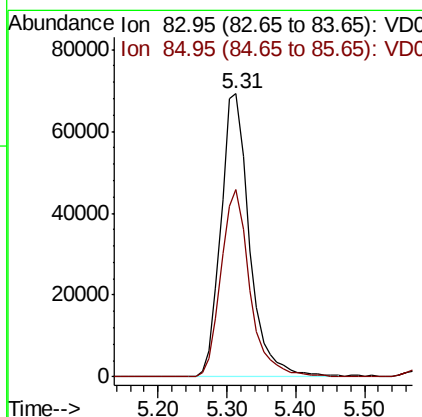
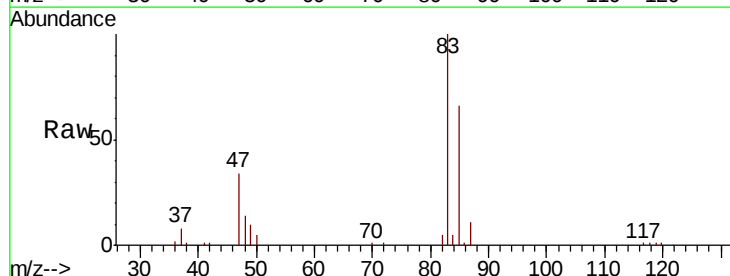
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

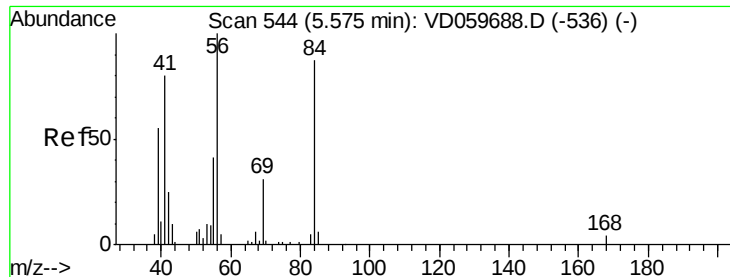
Tot Ion: 42 Resp: 51278
Ion Ratio Lower Upper
42 100
72 42.9 36.7 55.1
71 47.4 36.3 54.5



#30
Chloroform
Concen: 52.23 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 83 Resp: 199968
Ion Ratio Lower Upper
83 100
85 66.1 52.6 79.0

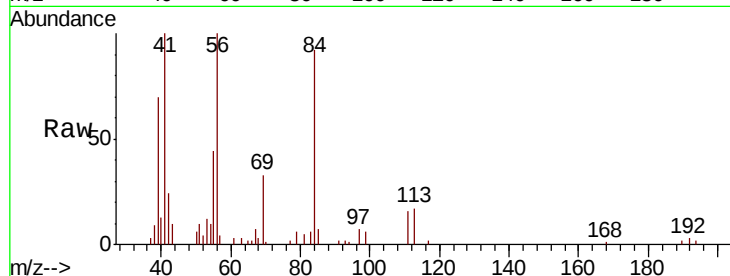




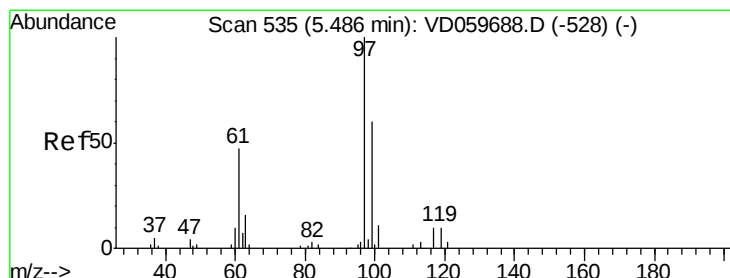
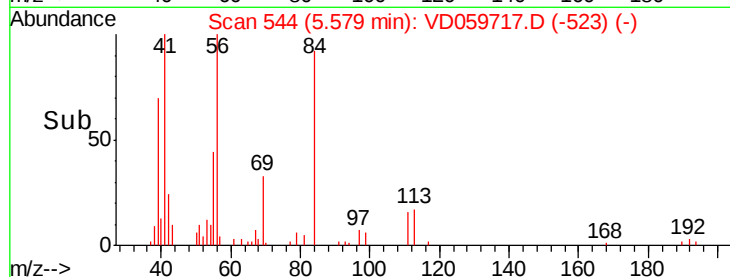
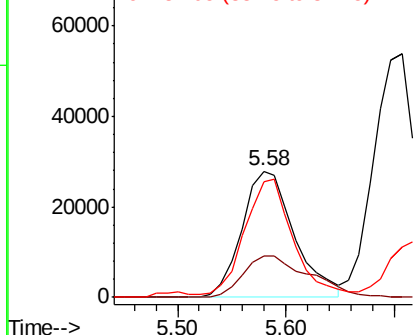
#31
Cyclohexane
Concen: 45.22 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 93782
Ion Ratio Lower Upper
56 100
69 32.8 24.7 37.1
84 91.9 72.2 108.2

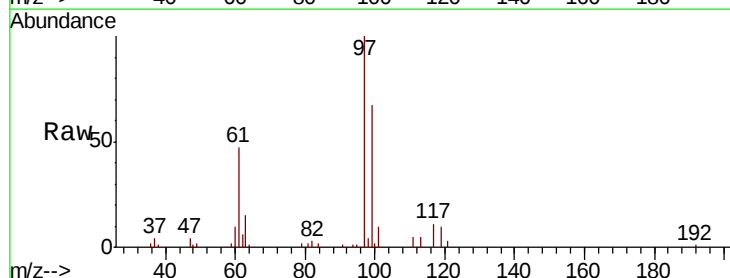


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

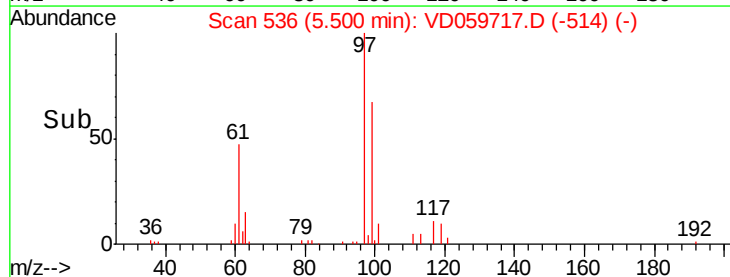
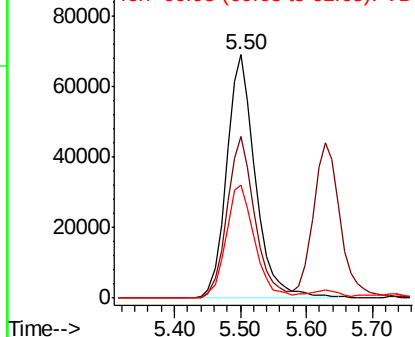


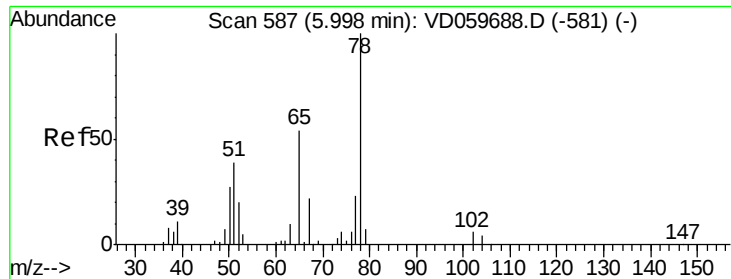
#32
1,1,1-Trichloroethane
Concen: 56.52 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 97 Resp: 210474
Ion Ratio Lower Upper
97 100
99 66.5 48.2 72.2
61 46.7 37.5 56.3



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

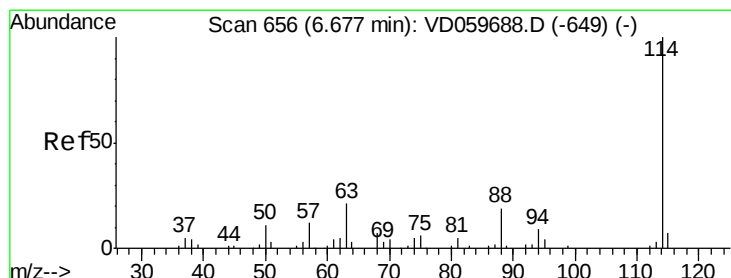
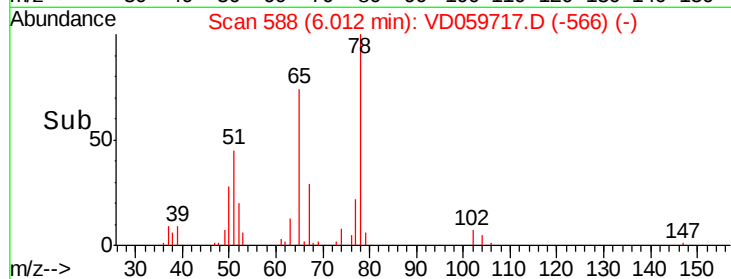
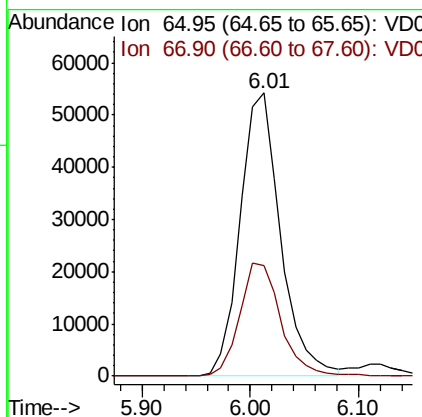
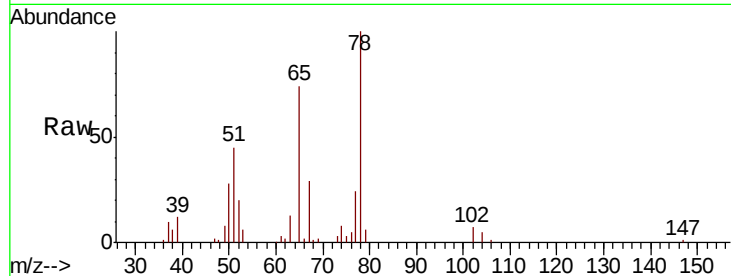




#33
 1,2-Dichloroethane-d4
 Concen: 56.52 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

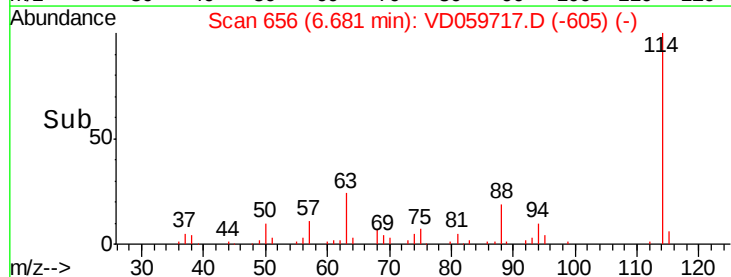
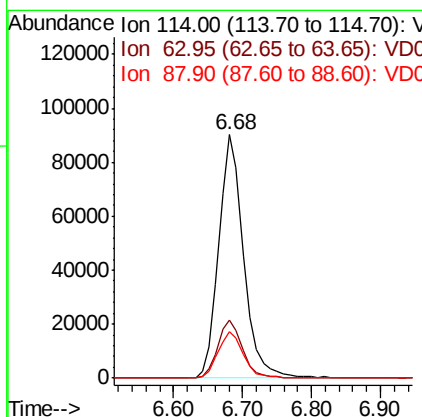
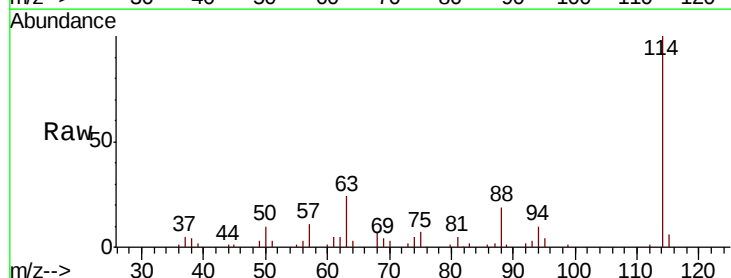
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

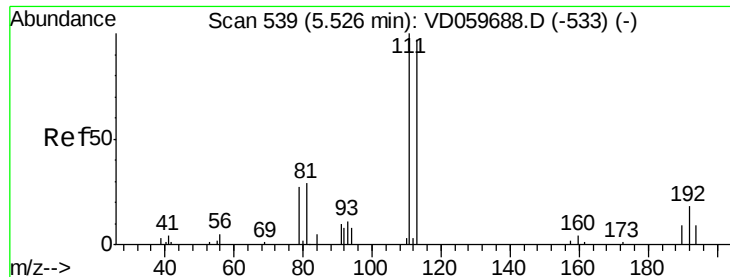
Tot Ion: 65 Resp: 140206
 Ion Ratio Lower Upper
 65 100
 67 39.3 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 114 Resp: 224311
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 42.6
 88 19.0 0.0 38.8

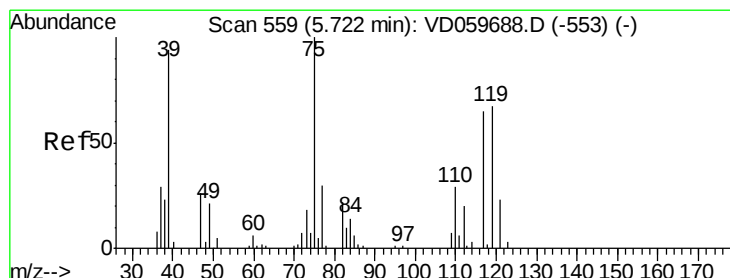
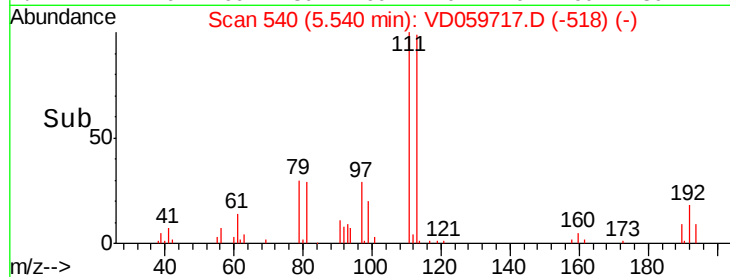
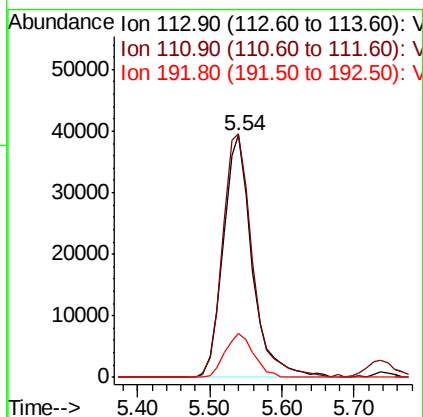
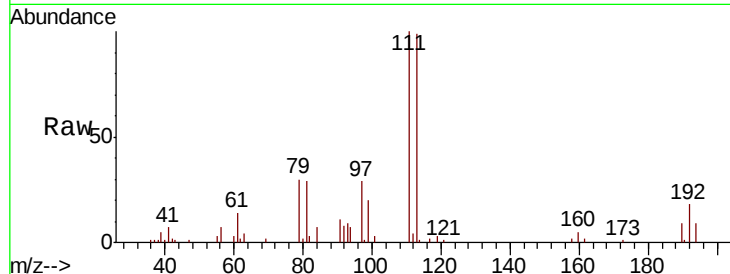




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 540
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

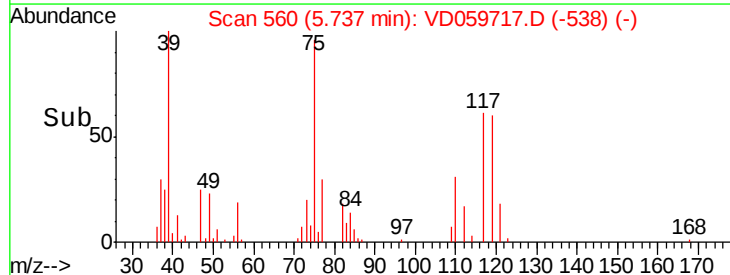
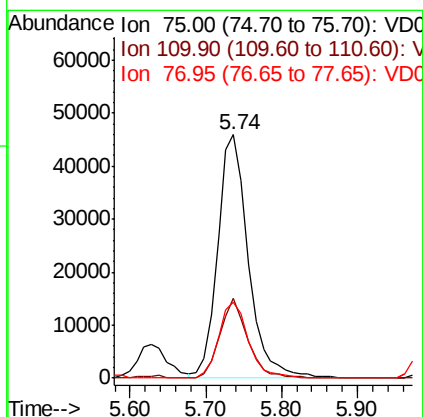
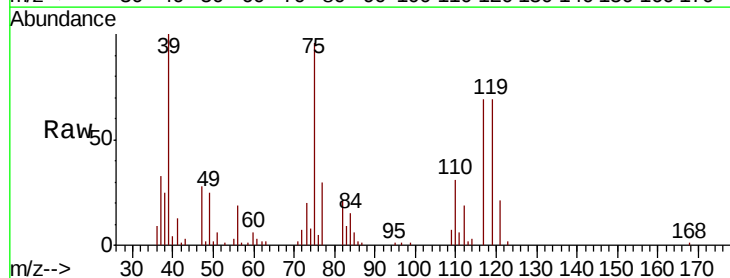
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

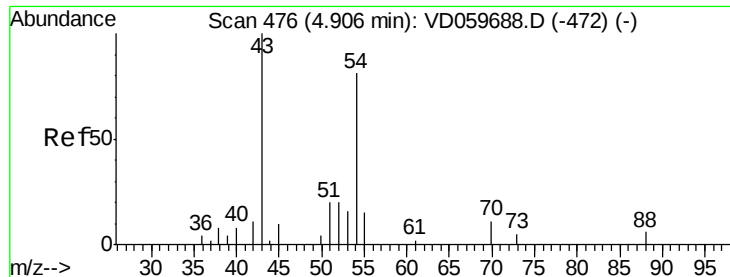
Tot Ion:113 Resp: 108946
Ion Ratio Lower Upper
113 100
111 100.5 82.8 124.2
192 18.4 14.6 22.0



#36
1,1-Dichloropropene
Concen: 51.76 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 129066
Ion Ratio Lower Upper
75 100
110 32.7 14.1 42.3
77 31.3 23.9 35.9





#37

Ethyl Acetate

Concen: 55.68 ug/l

RT: 4.91 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

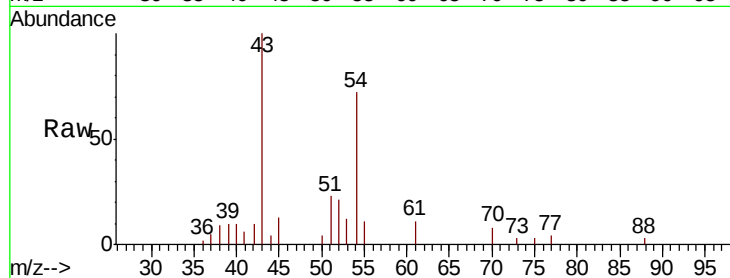
Tot Ion: 43 Resp: 67420

Ion Ratio Lower Upper

43 100

61 11.3 10.1 15.1

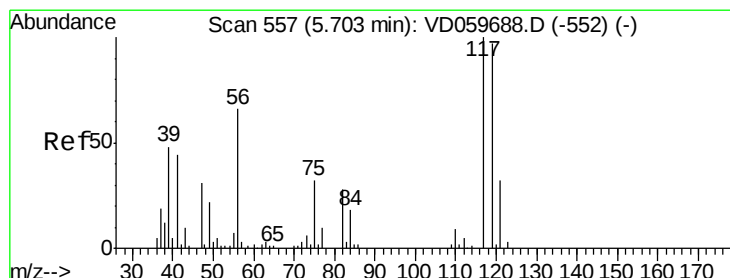
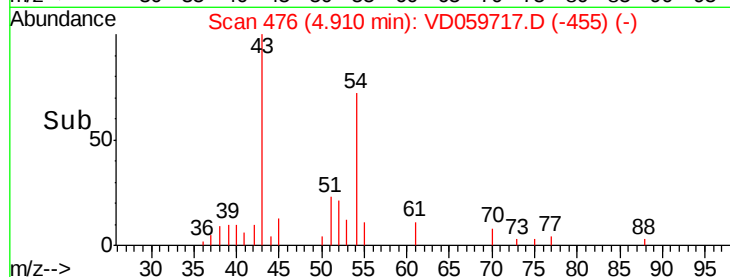
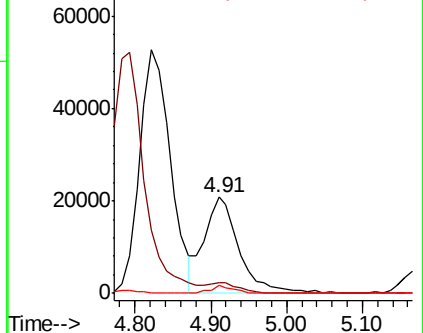
70 8.2 5.4 8.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 61.70 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

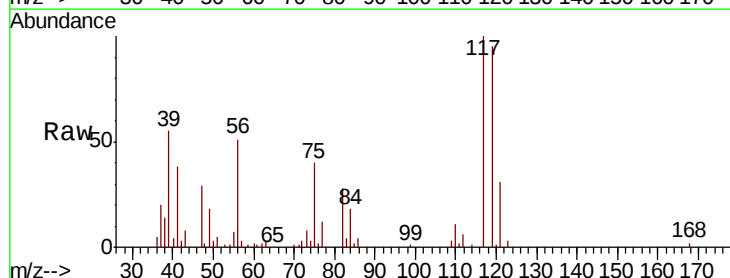
Tgt Ion: 117 Resp: 205916

Ion Ratio Lower Upper

117 100

119 94.9 75.3 112.9

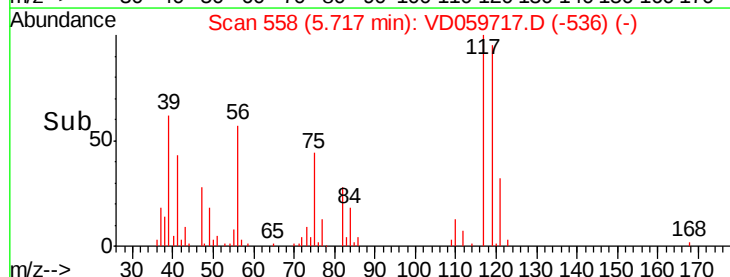
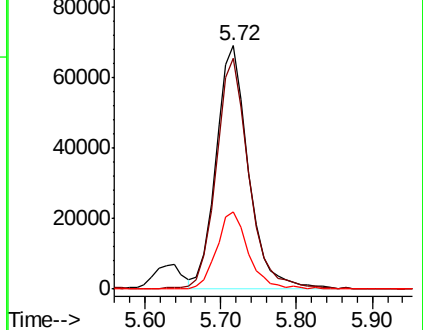
121 31.5 24.4 36.6

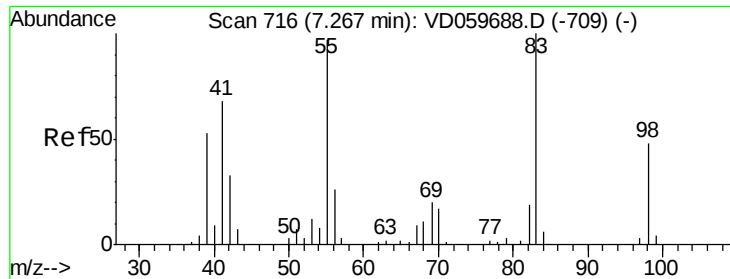


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

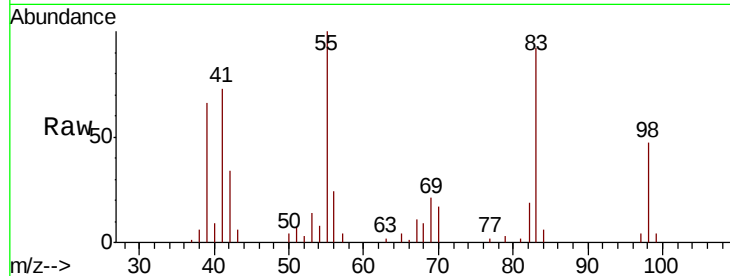




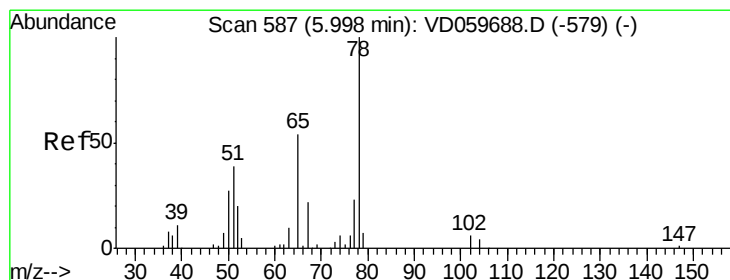
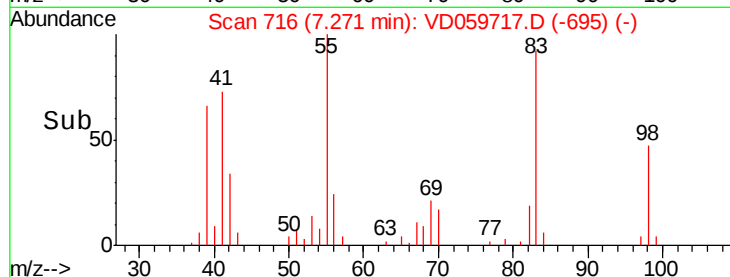
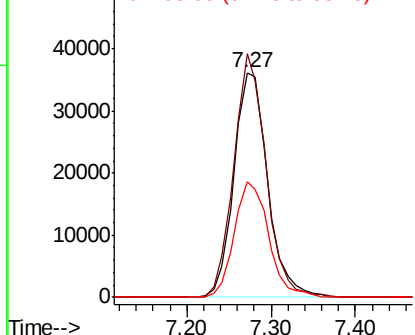
#39
Methvlcvclohexane
Concen: 48.01 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 101183
Ion Ratio Lower Upper
83 100
55 108.3 77.7 116.5
98 51.3 38.7 58.1

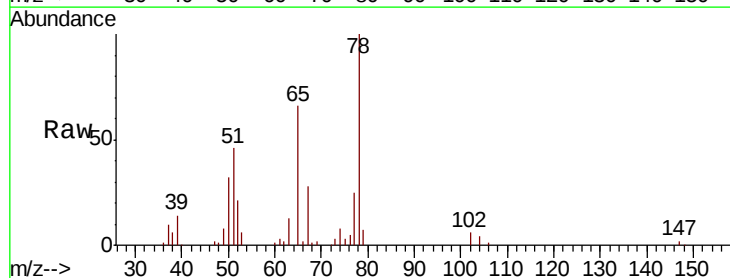


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

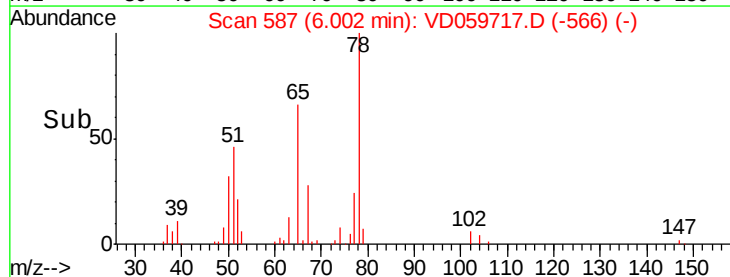
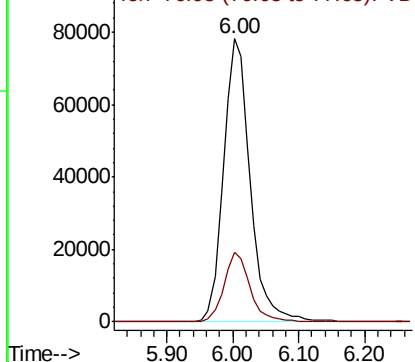


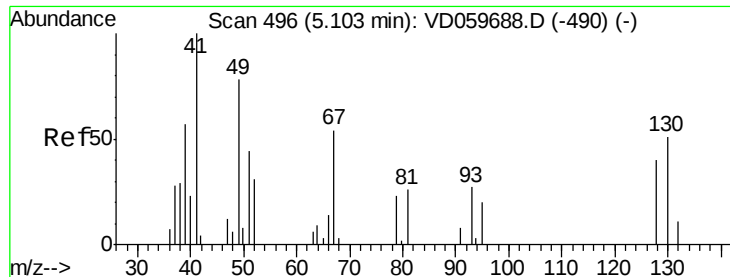
#40
Benzene
Concen: 45.59 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 78 Resp: 220492
Ion Ratio Lower Upper
78 100
77 24.7 18.4 27.6



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





#41

Methacrylonitrile

Concen: 51.06 ug/l

RT: 5.11 min Scan# 496

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 28908

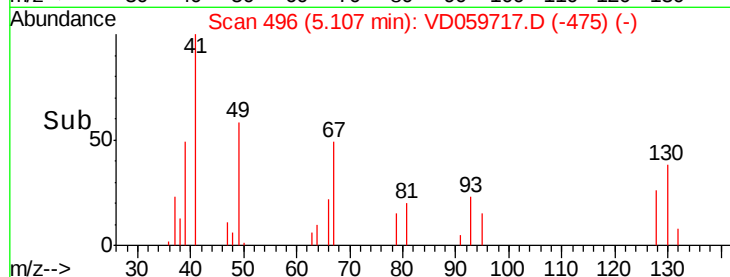
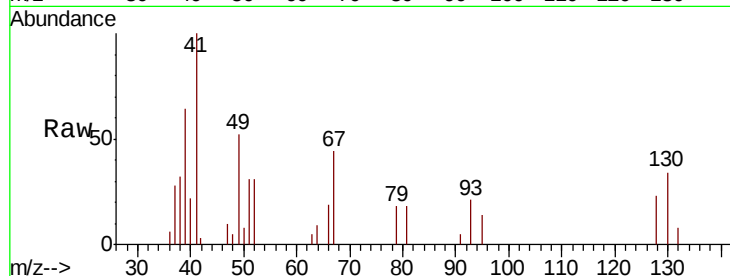
Ion Ratio Lower Upper

41 100

39 64.2 45.8 68.8

67 43.8 43.4 65.2

52 30.9 24.6 37.0

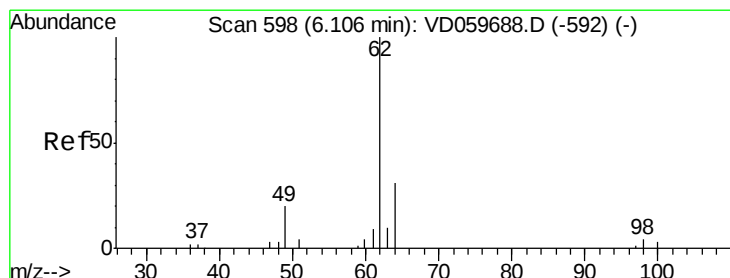
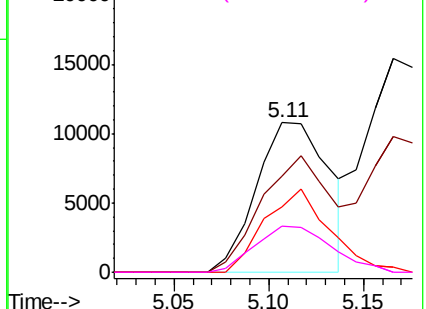


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 60.73 ug/l

RT: 6.12 min Scan# 599

Delta R.T. 0.01 min

Lab File: VD059717.D

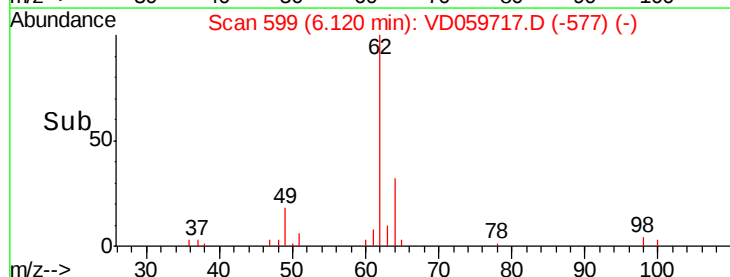
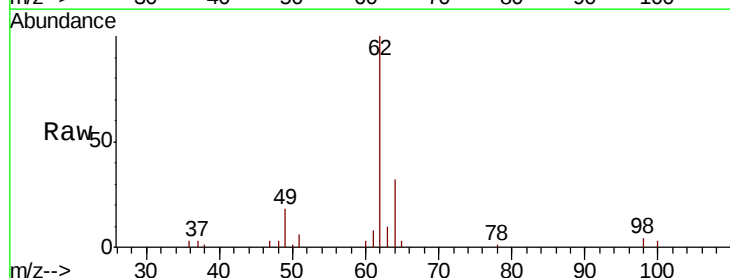
Acq: 9 Aug 2018 14:51

Tgt Ion: 62 Resp: 181566

Ion Ratio Lower Upper

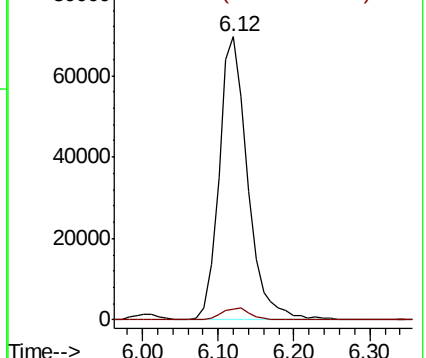
62 100

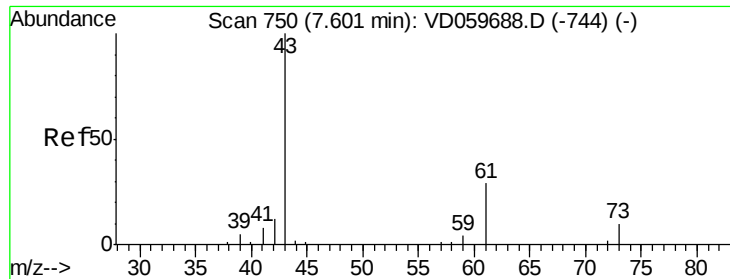
98 3.6 0.0 8.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.06 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

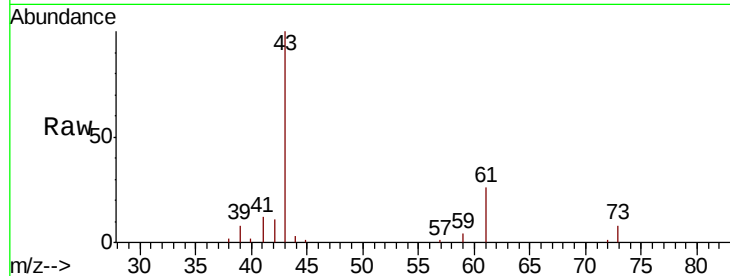
Tot Ion: 43 Resp: 80812

Ion Ratio Lower Upper

43 100

61 25.6 22.9 34.3

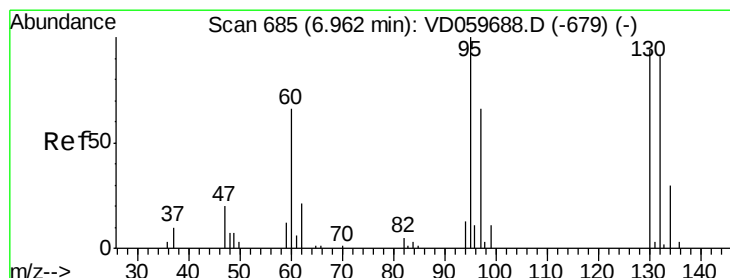
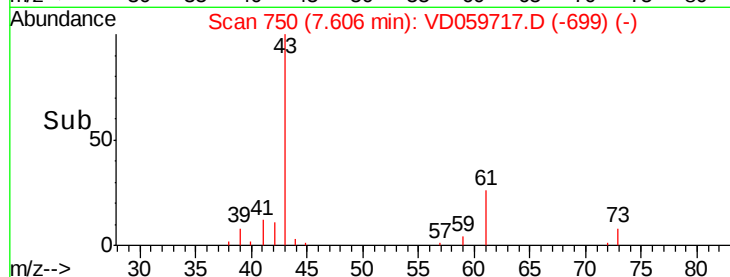
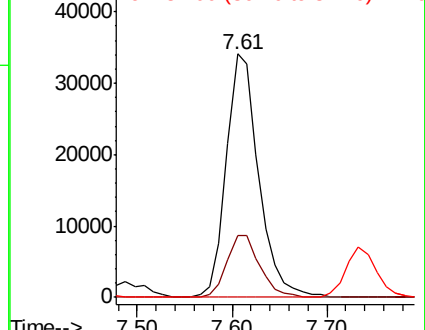
87 0.0 0.0 0.0



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: 51.46 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD059717.D

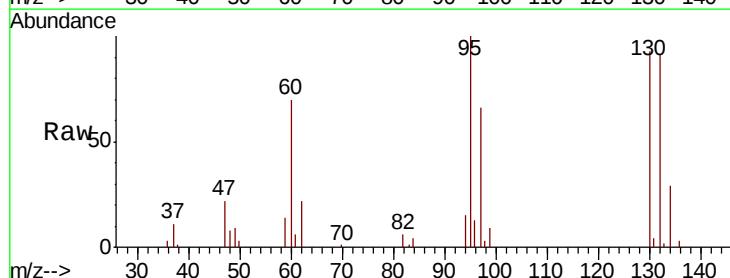
Acq: 9 Aug 2018 14:51

Tgt Ion: 130 Resp: 90934

Ion Ratio Lower Upper

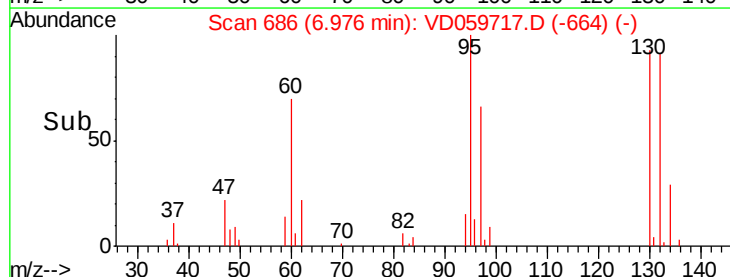
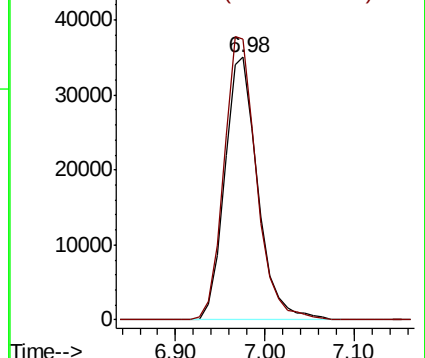
130 100

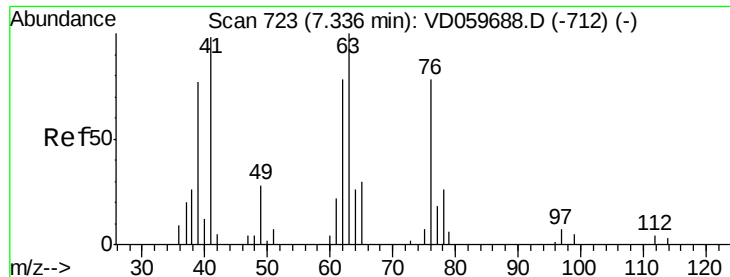
95 107.1 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

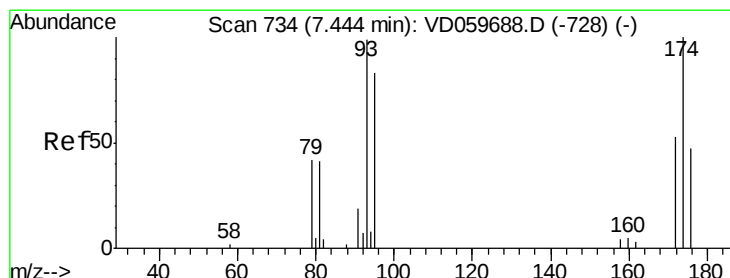
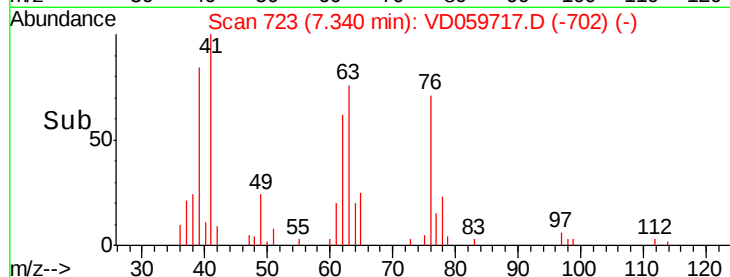
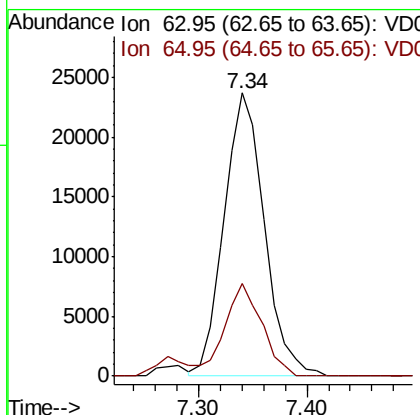
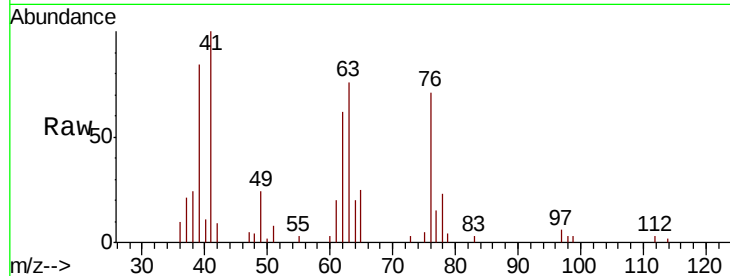




#45
 1,2-Dichloropropane
 Concen: 47.82 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

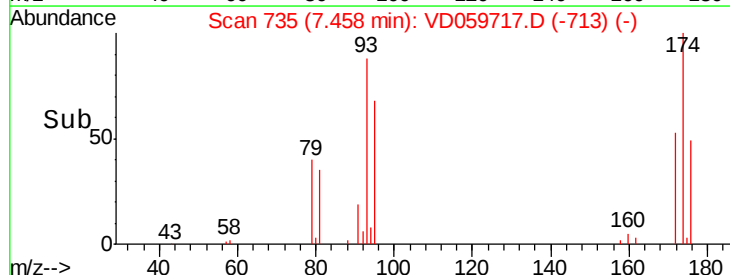
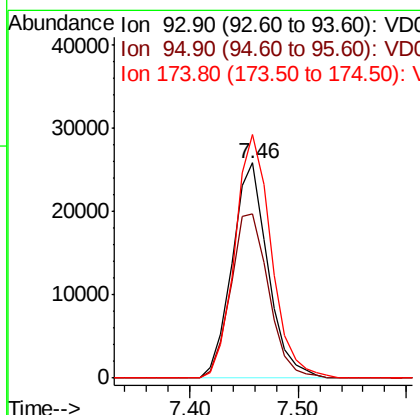
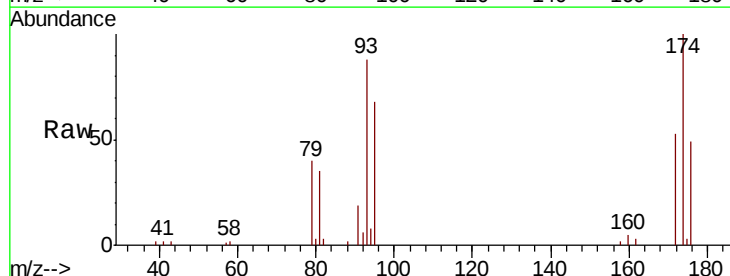
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

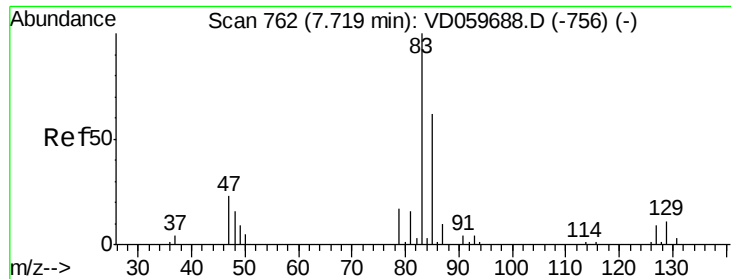
Tot Ion: 63 Resp: 61064
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.2 36.4



#46
 Dibromomethane
 Concen: 53.65 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 93 Resp: 59376
 Ion Ratio Lower Upper
 93 100
 95 76.4 66.6 100.0
 174 113.0 80.6 120.8





#47

Bromodichloromethane

Concen: 55.24 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

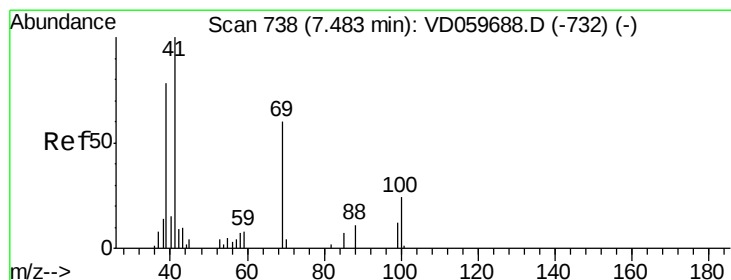
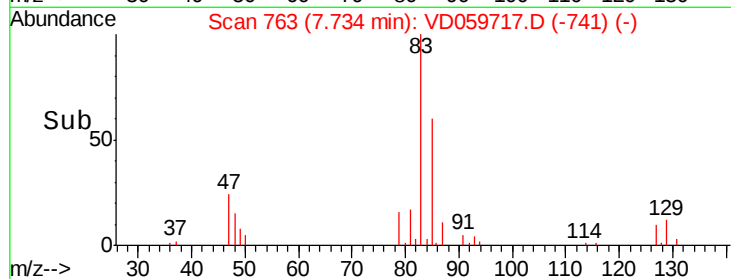
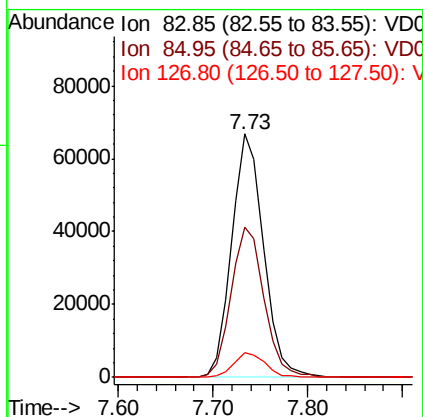
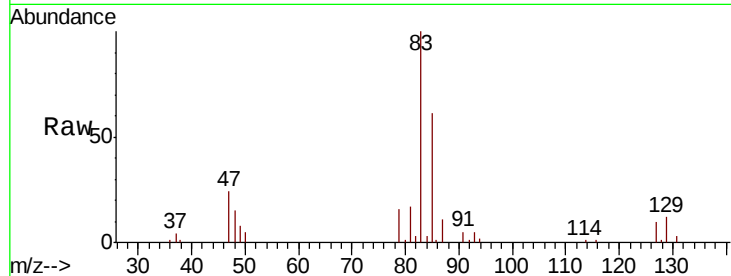
Tot Ion: 83 Resp: 155714

Ion Ratio Lower Upper

83 100

85 61.5 49.8 74.8

127 9.9 7.3 10.9



#48

Methyl methacrylate

Concen: 55.54 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

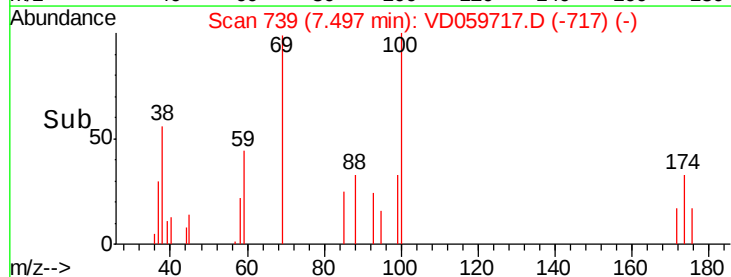
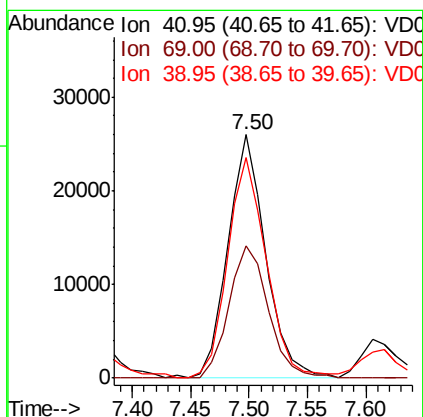
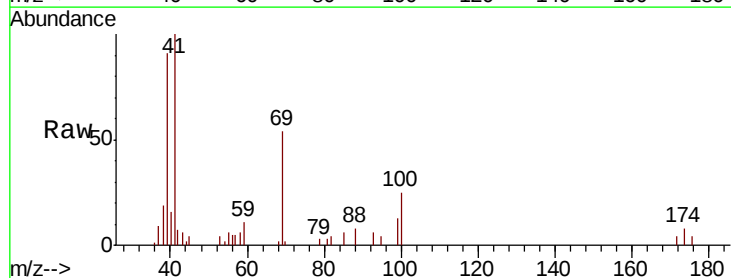
Tgt Ion: 41 Resp: 58011

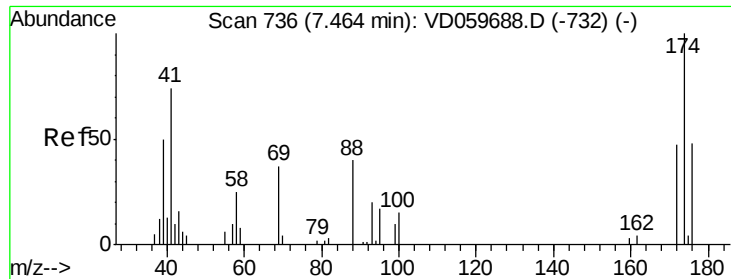
Ion Ratio Lower Upper

41 100

69 54.4 47.3 70.9

39 90.8 62.9 94.3

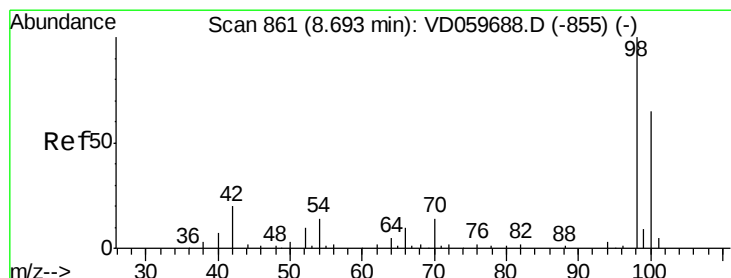
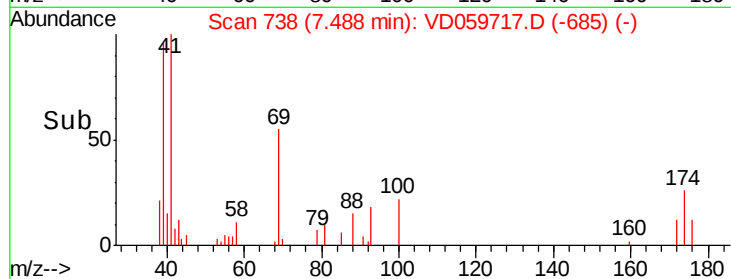
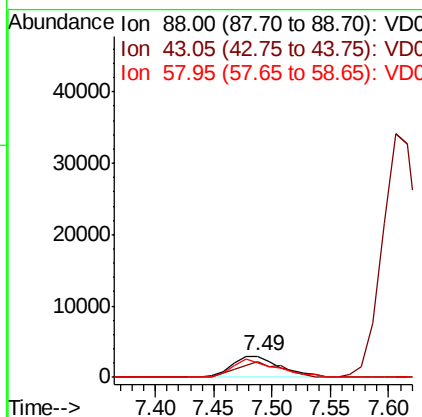
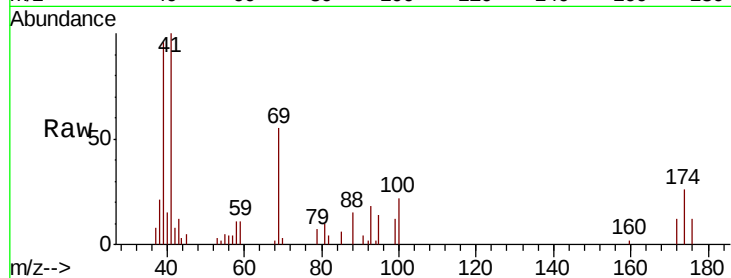




#49
 1,4-Dioxane
 Concen: 932.13 ug/l
 RT: 7.49 min Scan# 738
 Delta R.T. 0.02 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

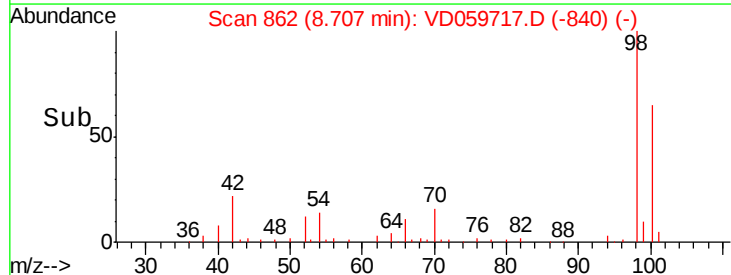
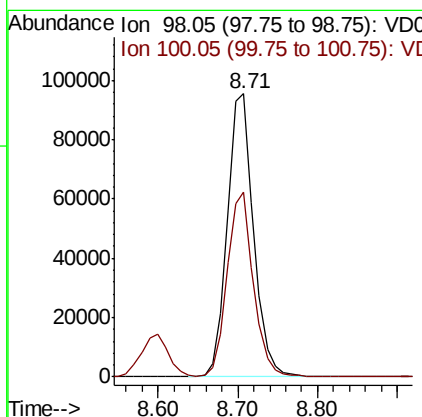
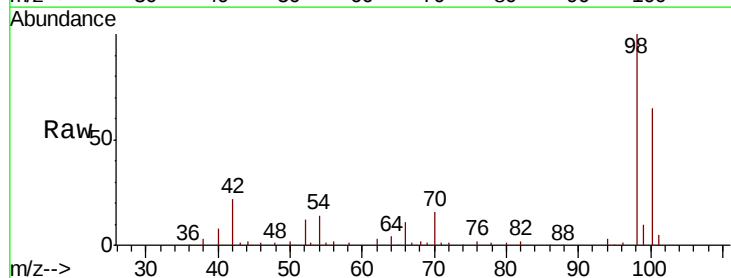
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

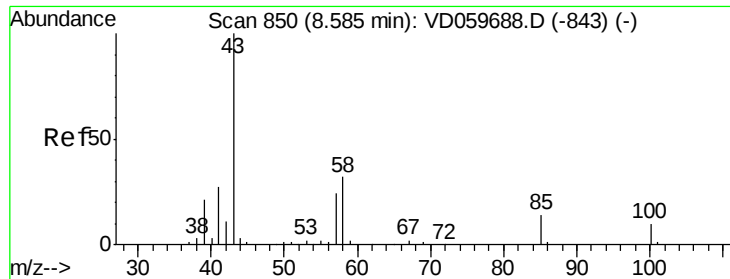
Tot Ion: 88 Resp: 8466
 Ion Ratio Lower Upper
 88 100
 43 75.6 32.2 48.2#
 58 71.1 51.5 77.3



#50
 Toluene-d8
 Concen: 932.13 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 98 Resp: 221062
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 287.29 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

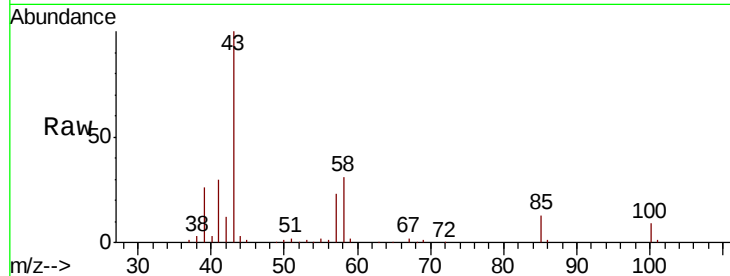
VSTDCCC050

Tot Ion: 43 Resp: 331575

Ion Ratio Lower Upper

43 100

58 30.9 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

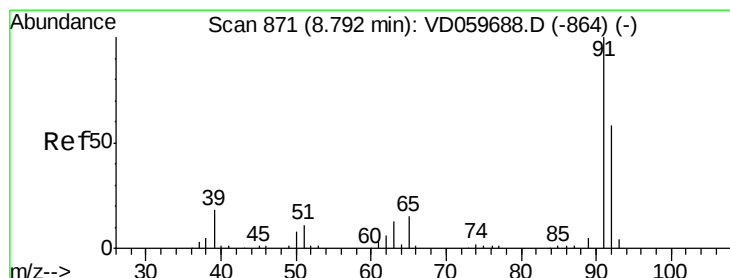
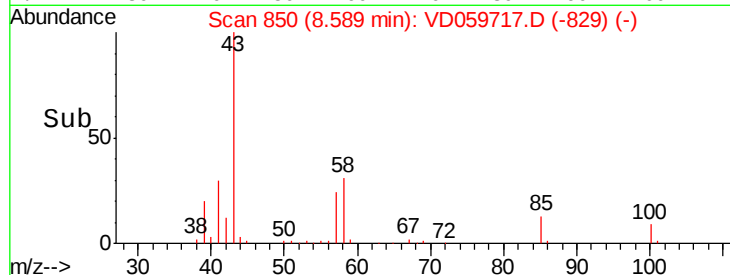
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.85 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059717.D

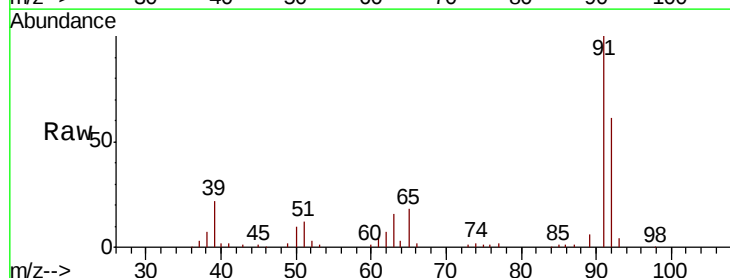
Acq: 9 Aug 2018 14:51

Tgt Ion: 92 Resp: 150722

Ion Ratio Lower Upper

92 100

91 162.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

120000

100000

80000

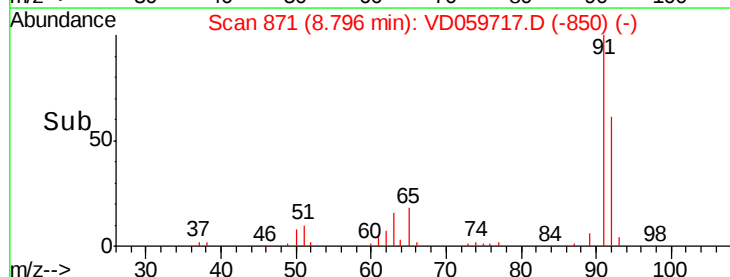
60000

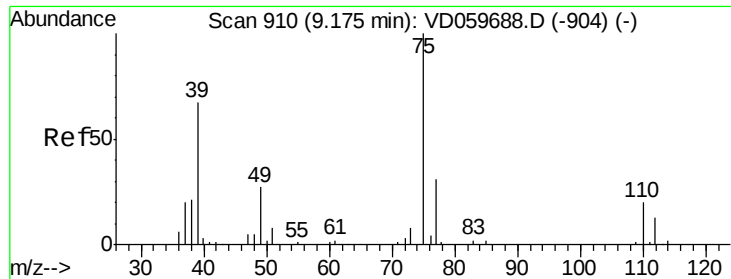
40000

20000

0

Time-->

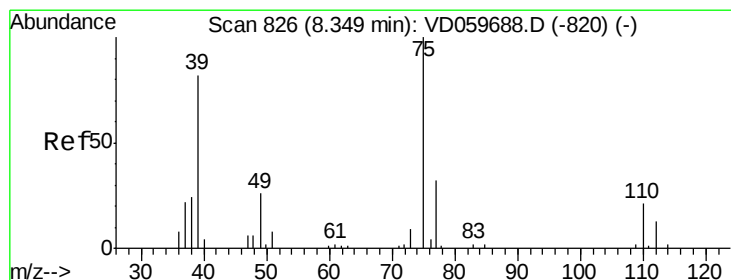
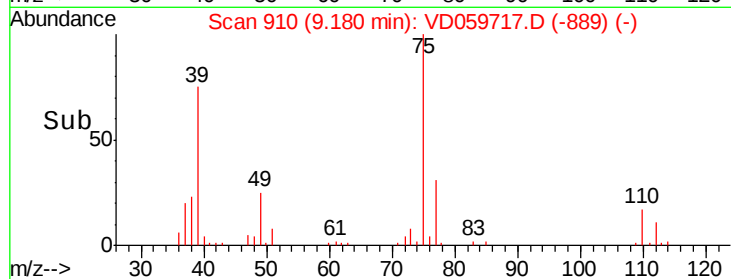
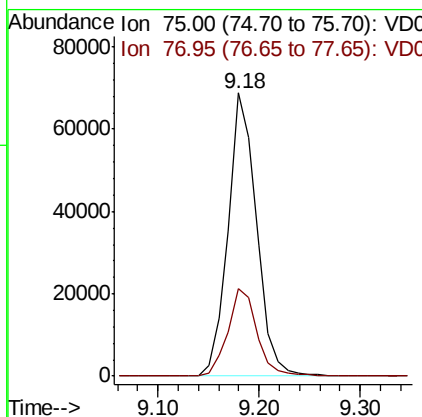
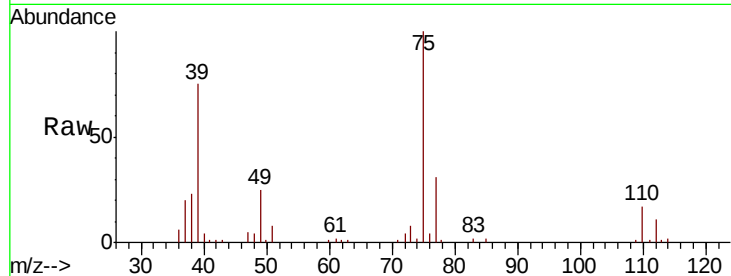




#53
 t-1,3-Dichloropropene
 Concen: 56.34 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

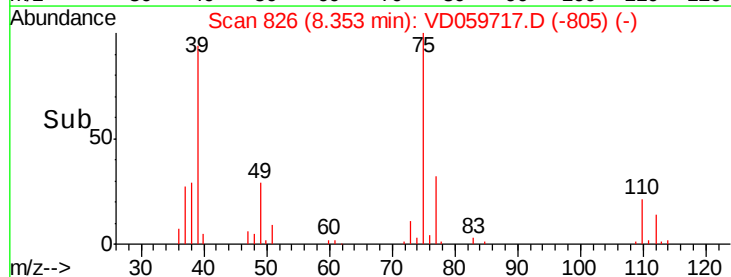
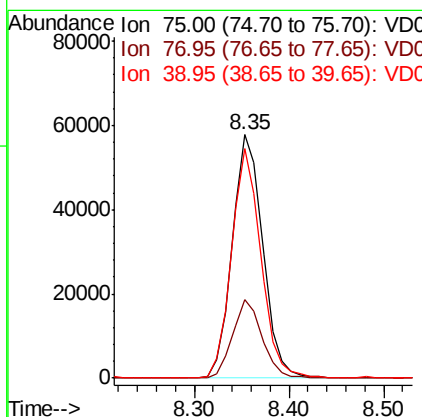
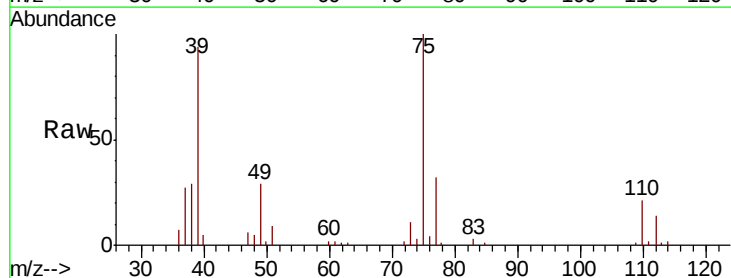
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

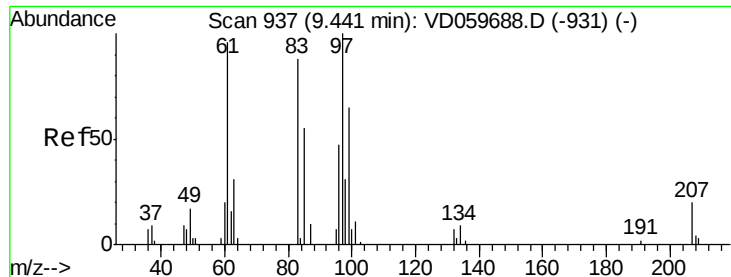
Tot Ion: 75 Resp: 134368
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.40 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 128713
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 94.3 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 46.75 ug/l

RT: 9.45 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 55393

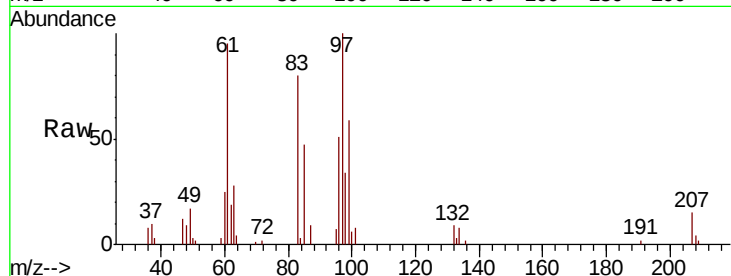
Ion Ratio Lower Upper

97 100

83 80.3 70.8 106.2

85 47.4 44.1 66.1

99 59.4 52.2 78.4



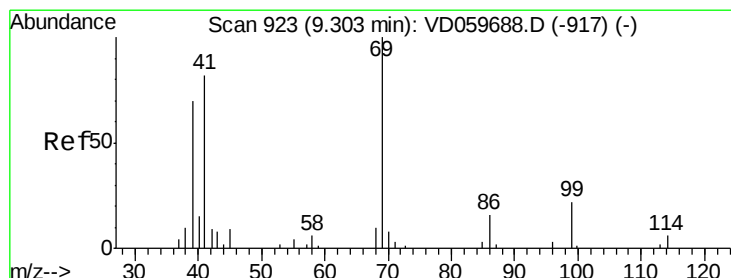
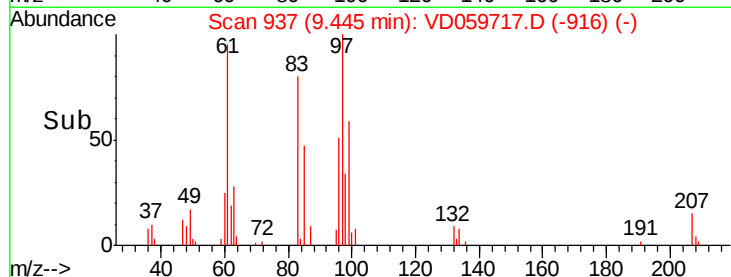
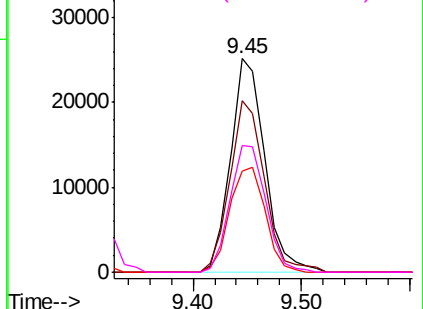
Abundance

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: 54.19 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

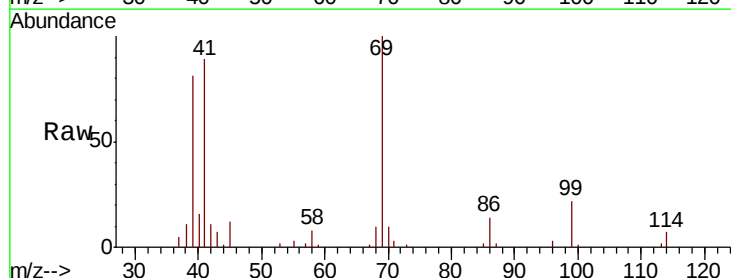
Tgt Ion: 69 Resp: 70851

Ion Ratio Lower Upper

69 100

41 89.1 65.7 98.5

39 80.6 55.8 83.8

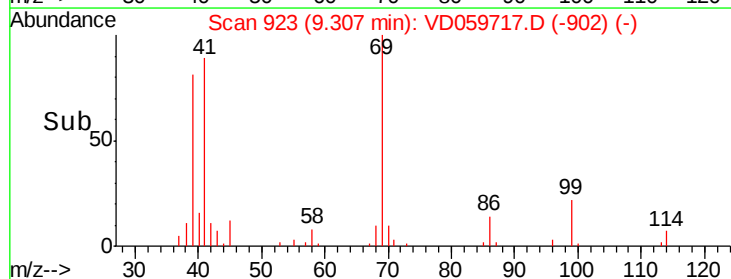
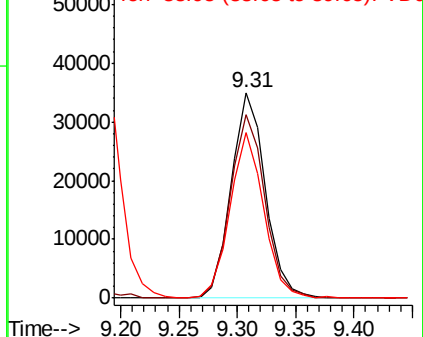


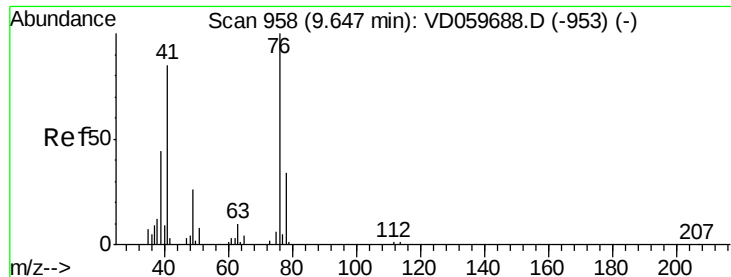
Abundance

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: 51.94 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

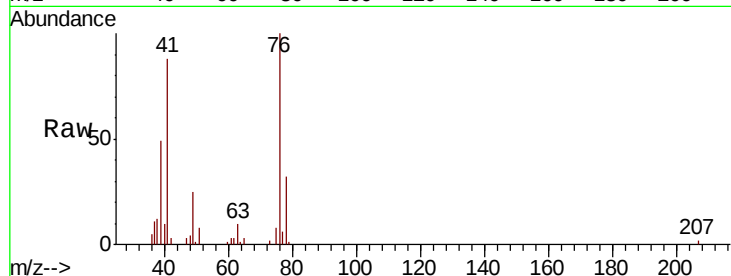
VSTDCCC050

Tot Ion: 76 Resp: 95511

Ion Ratio Lower Upper

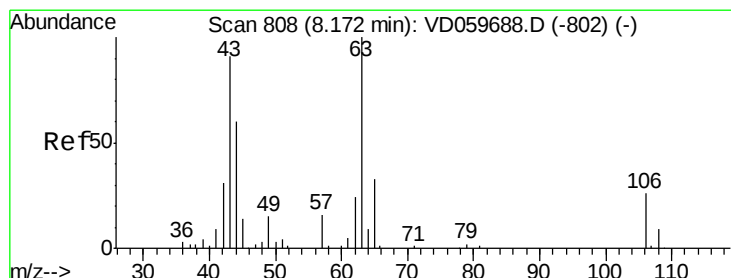
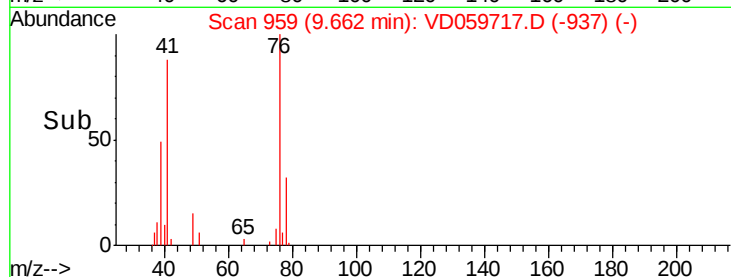
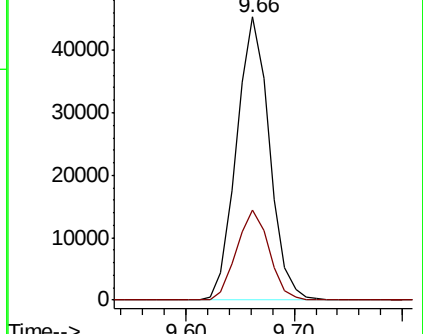
76 100

78 31.7 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 254.67 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD059717.D

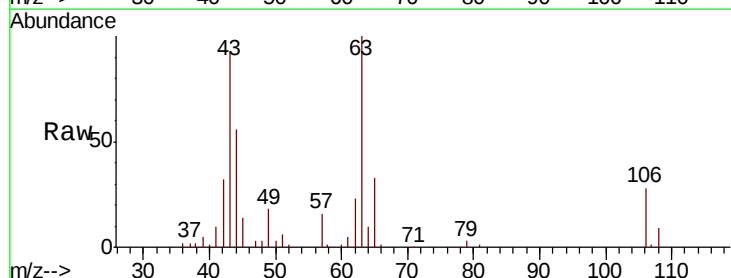
Acq: 9 Aug 2018 14:51

Tgt Ion: 63 Resp: 158630

Ion Ratio Lower Upper

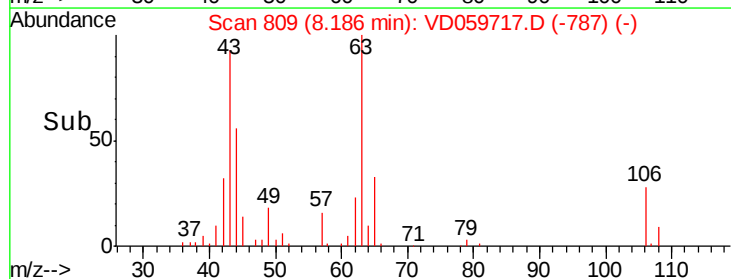
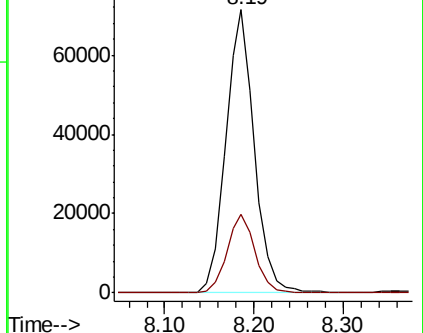
63 100

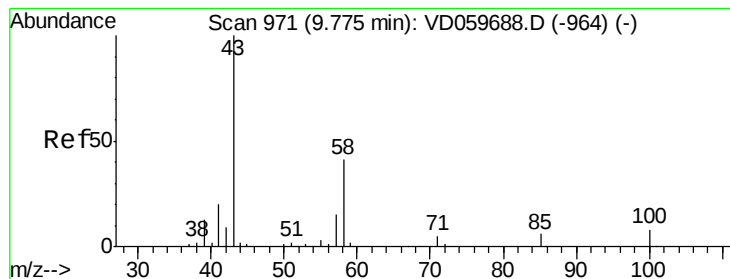
106 27.9 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 291.76 ug/l

RT: 9.78 min Scan# 971

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

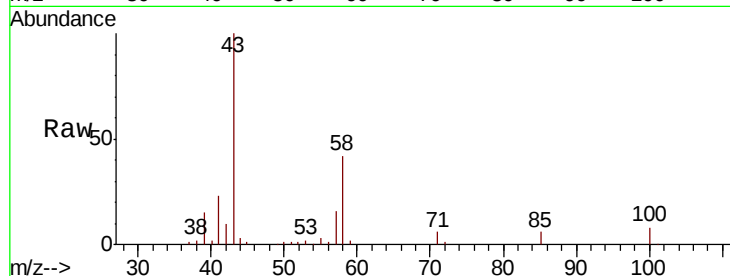
VSTDCCC050

Tot Ion: 43 Resp: 252866

Ion Ratio Lower Upper

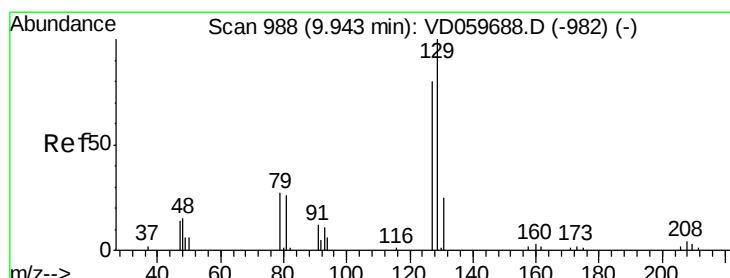
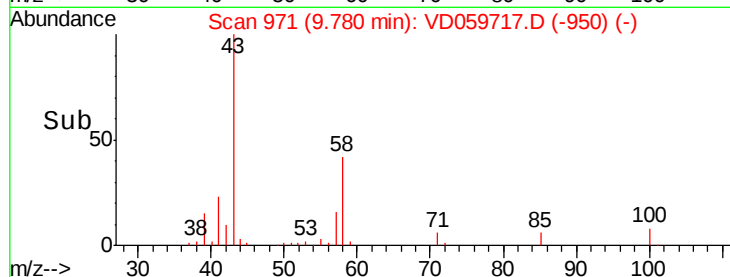
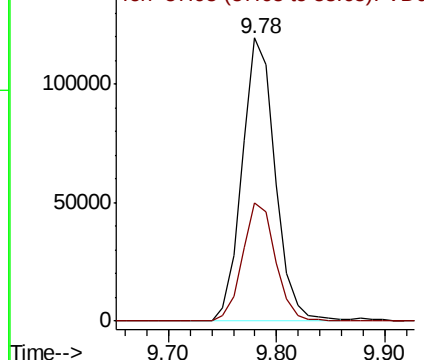
43 100

58 41.6 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 59.80 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD059717.D

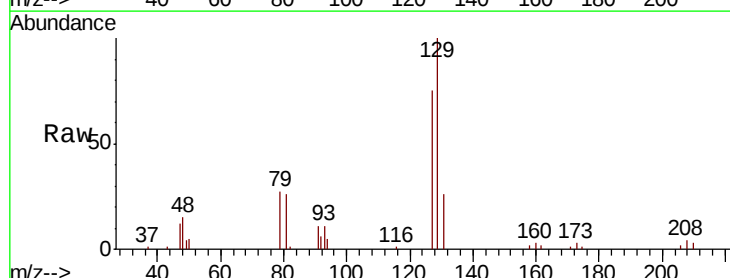
Acq: 9 Aug 2018 14:51

Tgt Ion:129 Resp: 112602

Ion Ratio Lower Upper

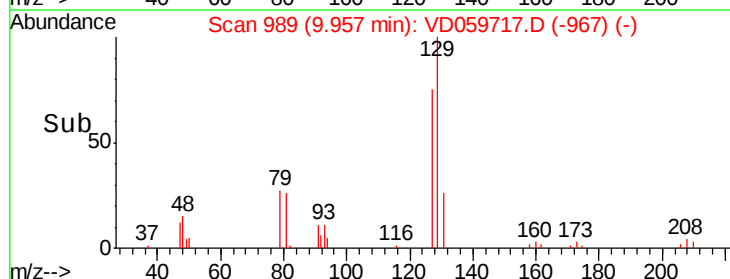
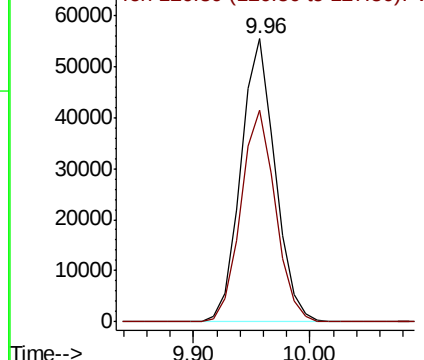
129 100

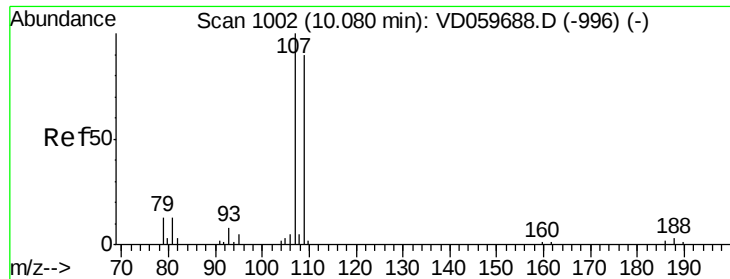
127 74.9 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 55.37 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

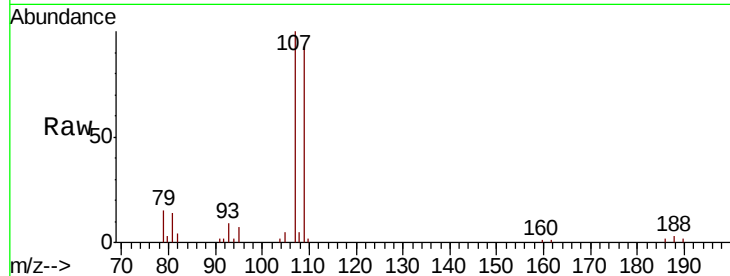
VSTDCCC050

Tot Ion:107 Resp: 75450

Ion Ratio Lower Upper

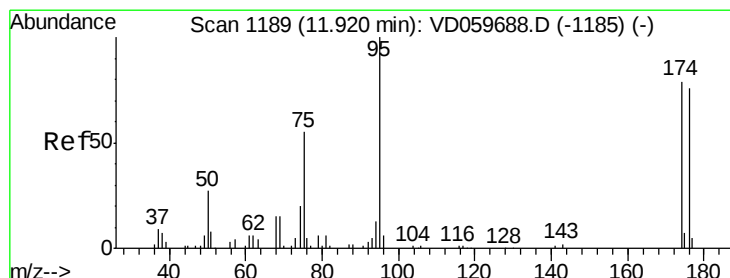
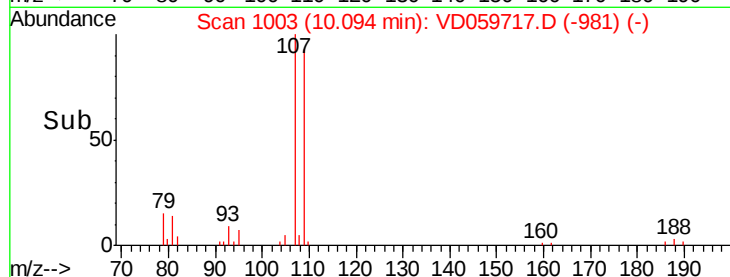
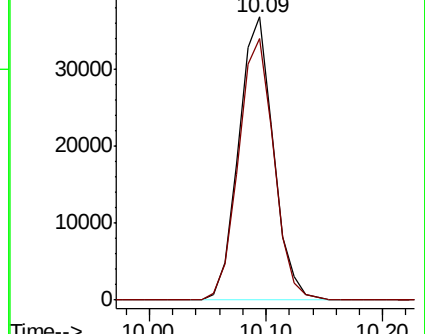
107 100

109 92.6 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.37 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

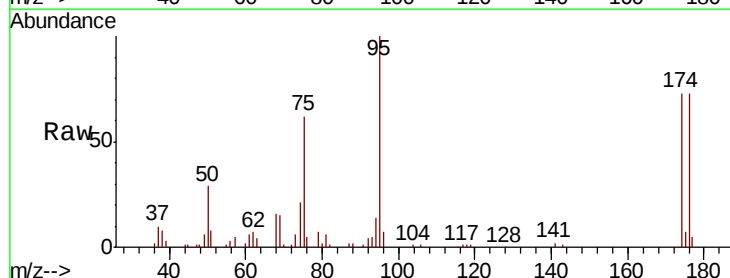
Tgt Ion: 95 Resp: 106849

Ion Ratio Lower Upper

95 100

174 73.3 0.0 158.4

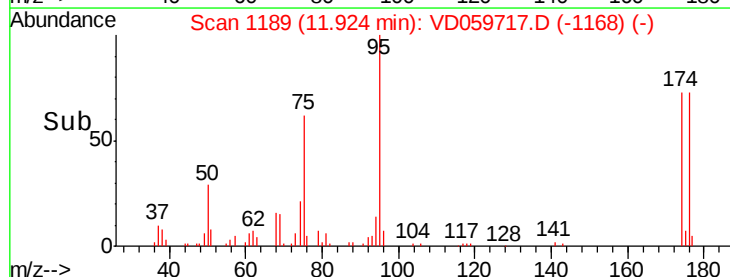
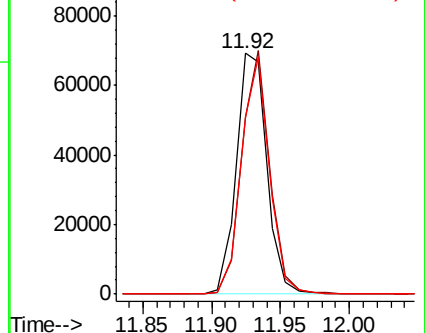
176 73.3 0.0 153.0

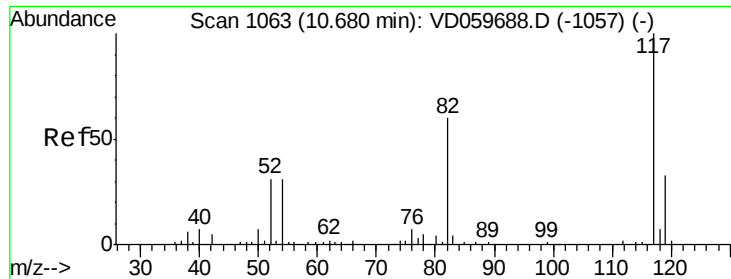


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

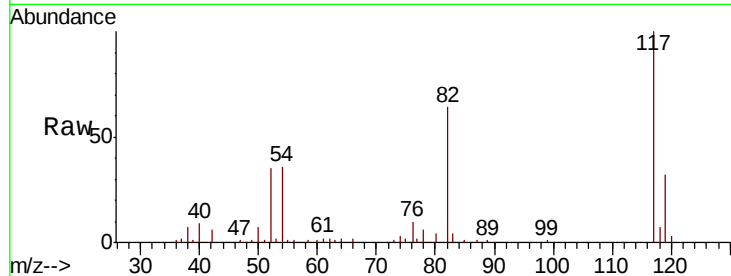




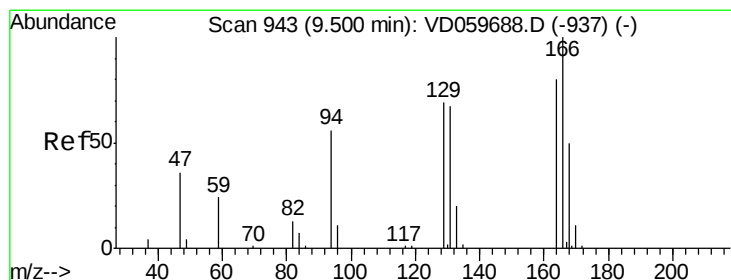
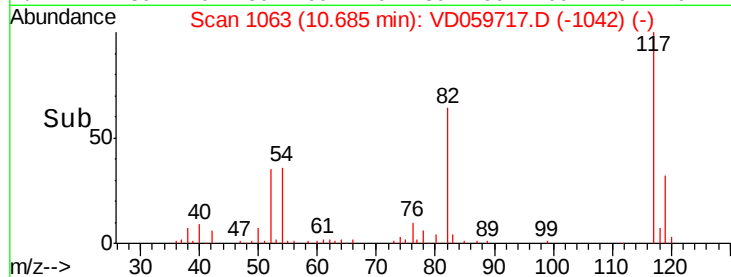
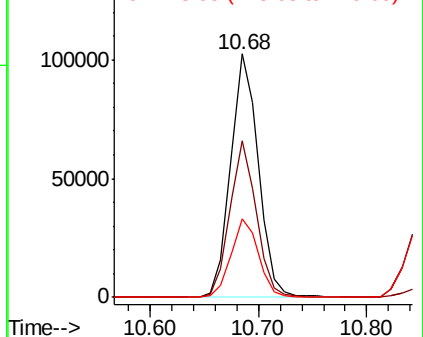
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 182039
Ion Ratio Lower Upper
117 100
82 64.1 47.7 71.5
119 32.4 26.6 40.0

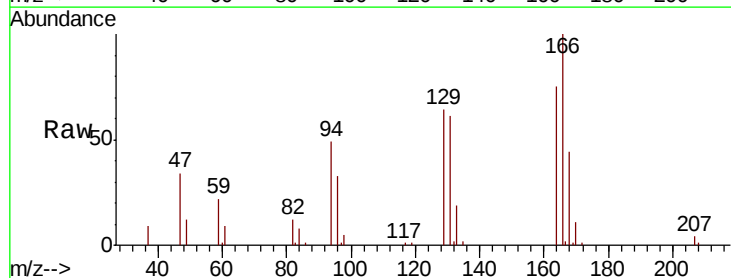


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

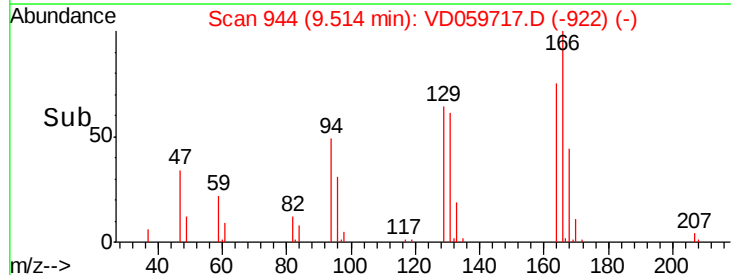
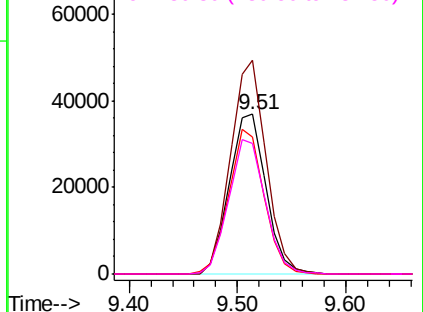


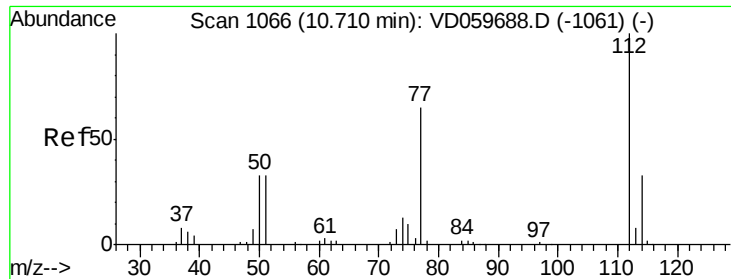
#64
Tetrachloroethene
Concen: 50.40 ug/l
RT: 9.51 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:164 Resp: 86862
Ion Ratio Lower Upper
164 100
166 133.8 100.5 150.7
129 85.6 69.3 103.9
131 81.7 67.3 100.9



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

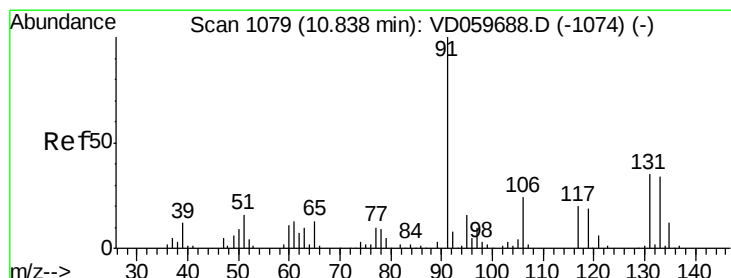
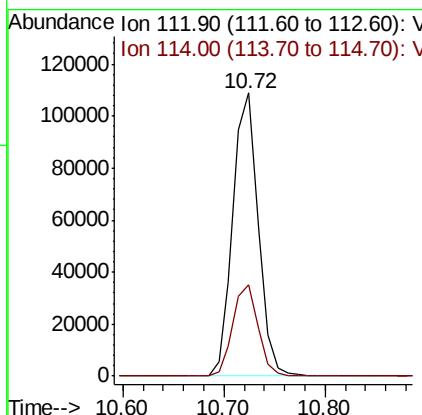
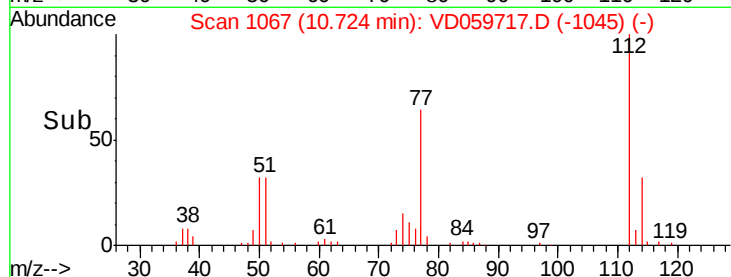
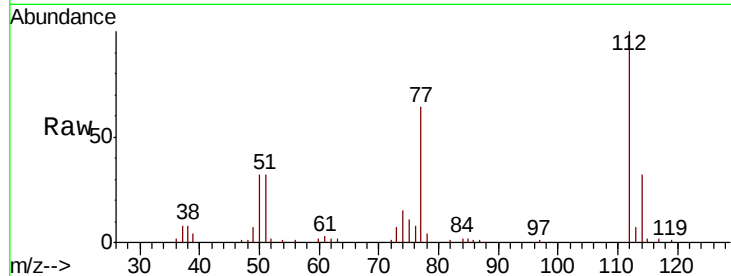




#65
Chlorobenzene
Concen: 49.75 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

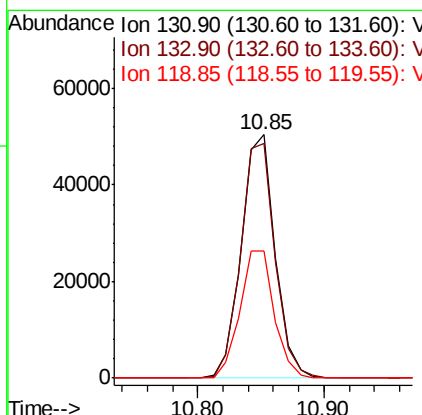
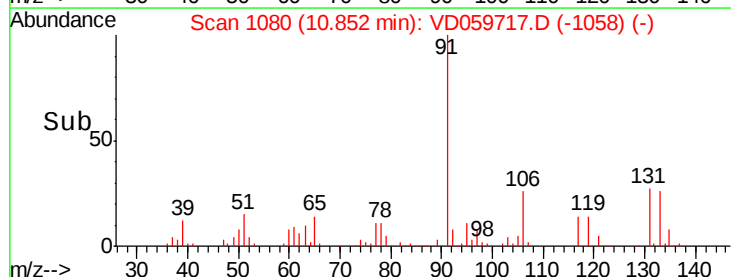
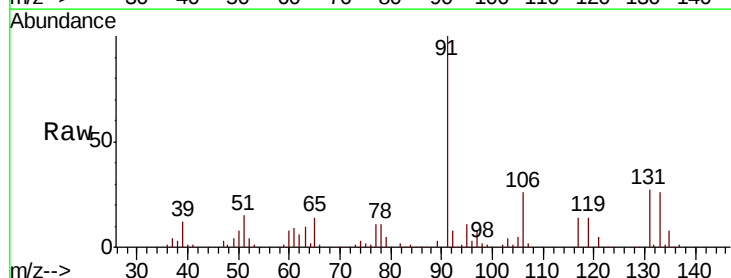
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

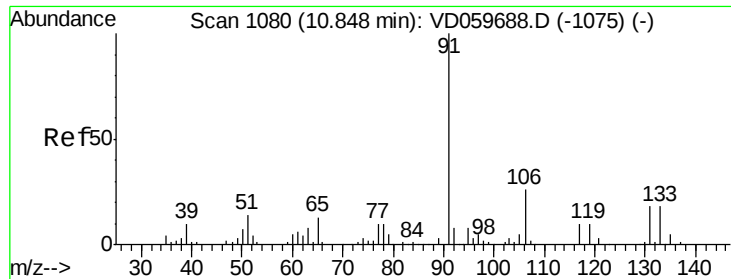
Tot Ion:112 Resp: 190848
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 55.36 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:131 Resp: 93111
Ion Ratio Lower Upper
131 100
133 96.6 49.7 149.1
119 52.5 27.0 80.8

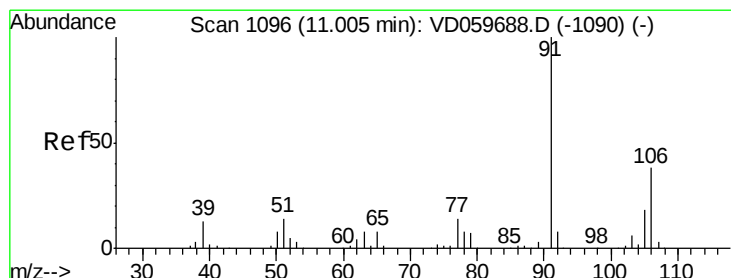
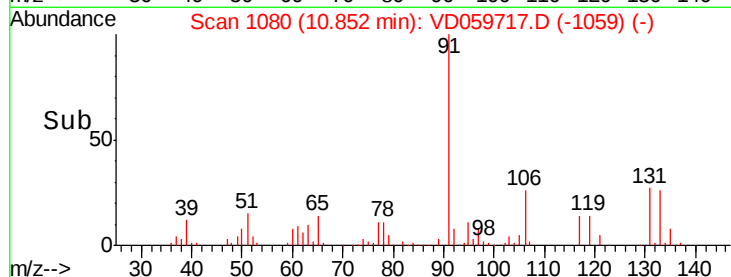
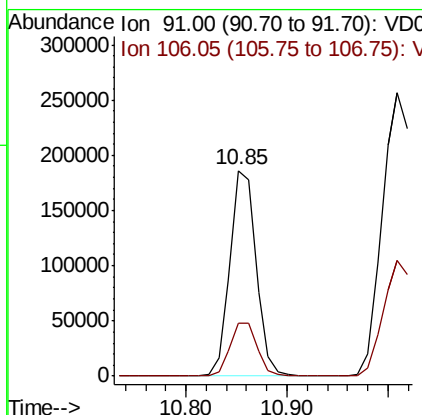
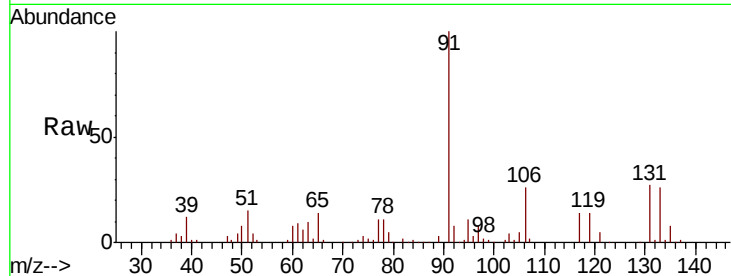




#67
Ethyl Benzene
Concen: 48.60 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

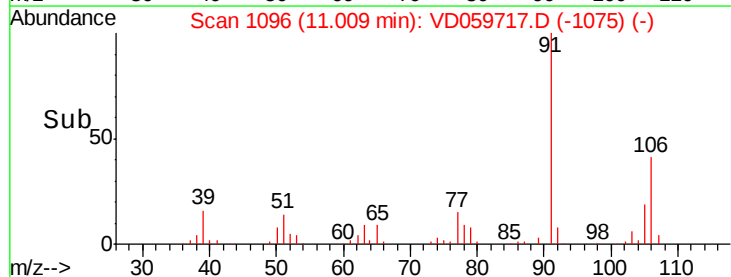
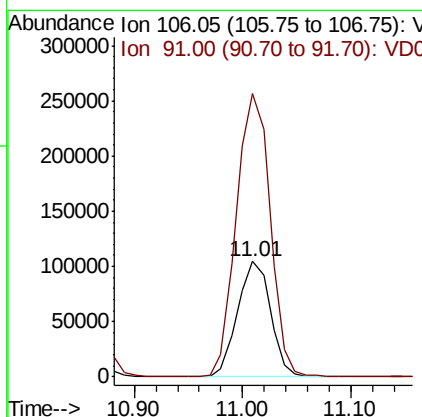
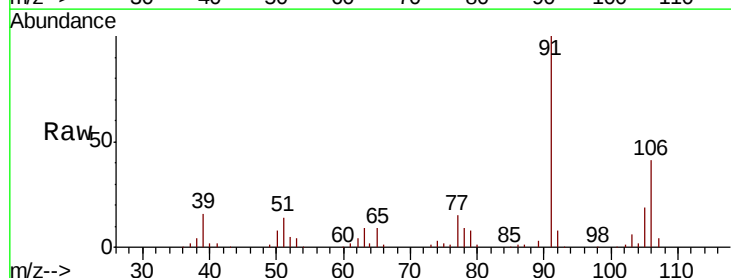
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

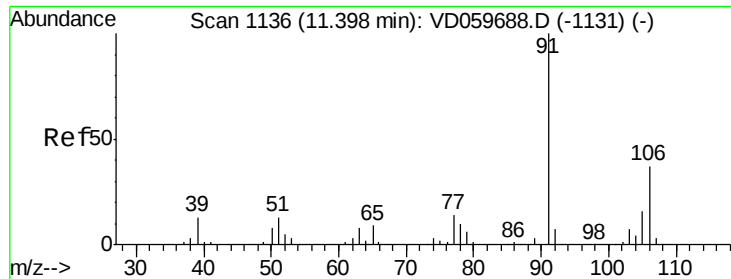
Tot Ion: 91 Resp: 335788
Ion Ratio Lower Upper
91 100
106 25.5 20.9 31.3



#68
m/p-Xylenes
Concen: 101.01 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 106 Resp: 223237
Ion Ratio Lower Upper
106 100
91 244.9 209.7 314.5

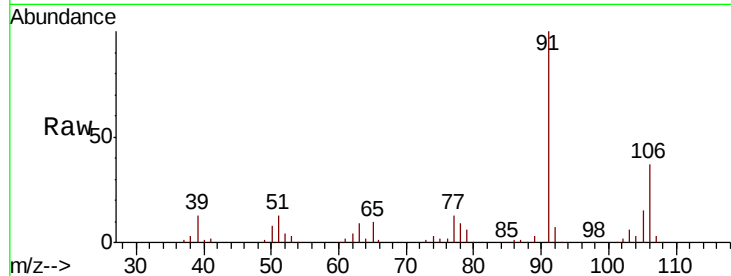




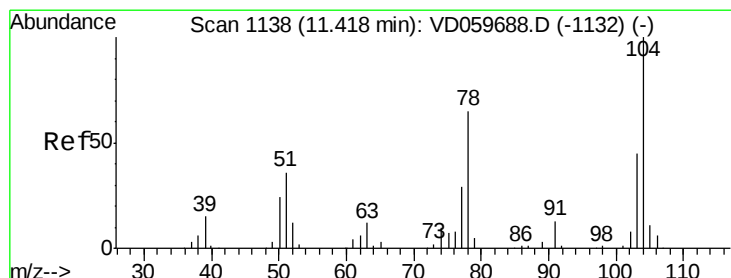
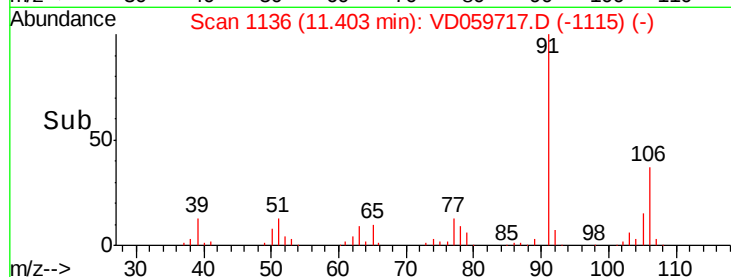
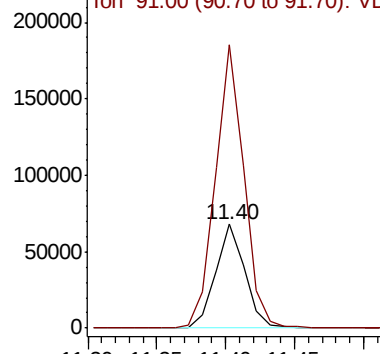
#69
o-Xylene
Concen: 46.48 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 99872
Ion Ratio Lower Upper
106 100
91 271.9 135.2 405.6

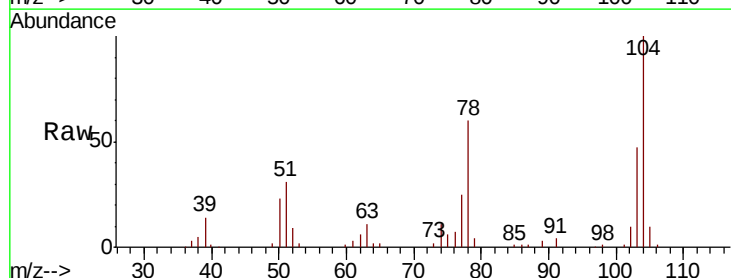


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

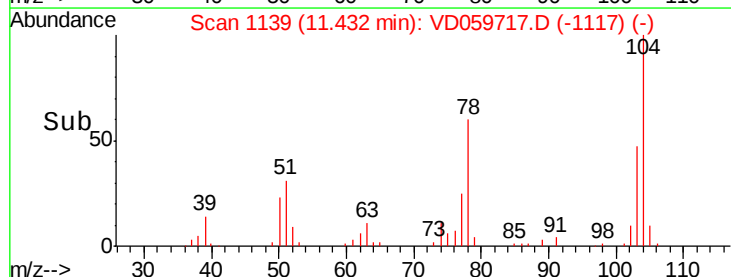
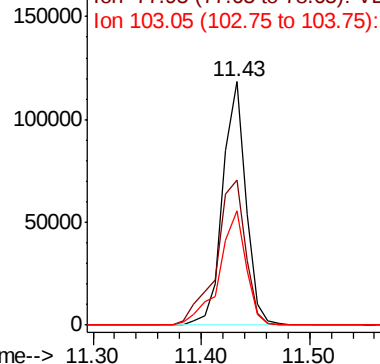


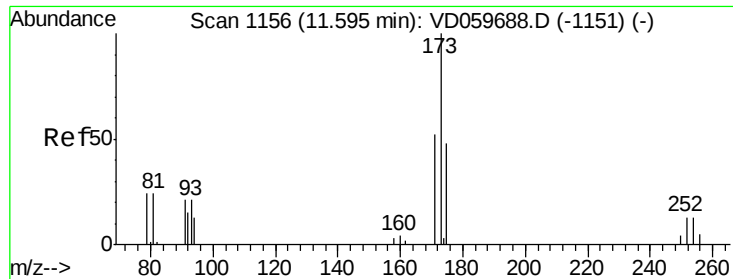
#70
Styrene
Concen: 48.83 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:104 Resp: 176087
Ion Ratio Lower Upper
104 100
78 59.6 51.9 77.9
103 47.1 36.2 54.4



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

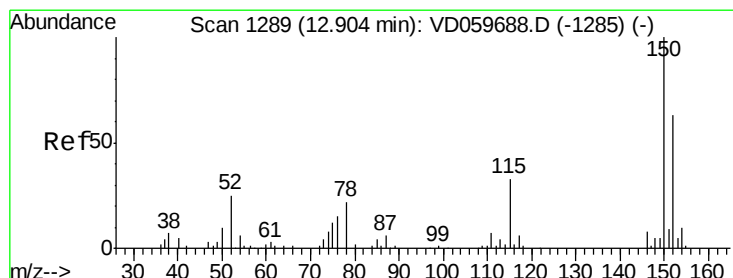
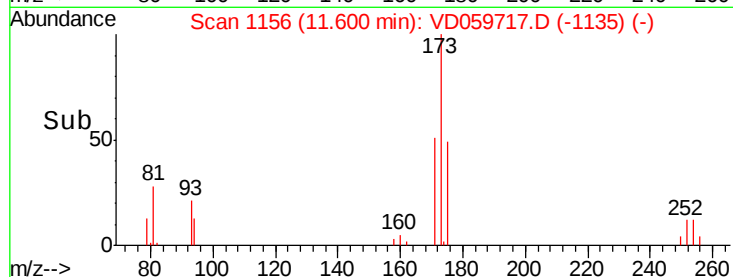
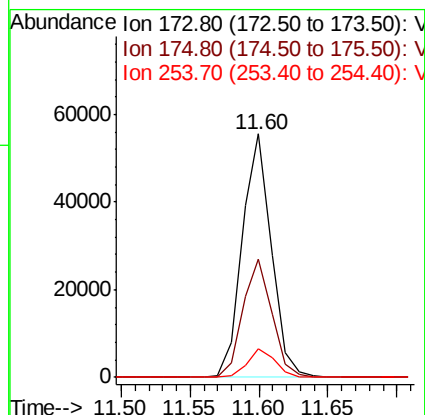
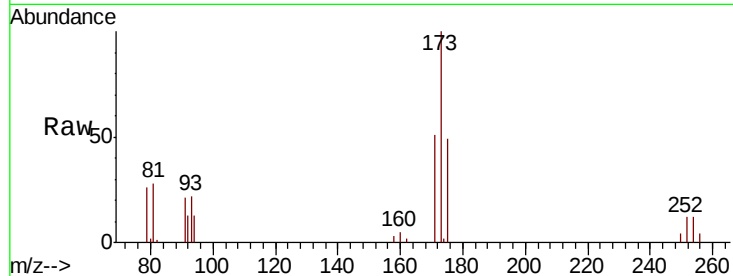




#71
Bromoform
Concen: 64.42 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

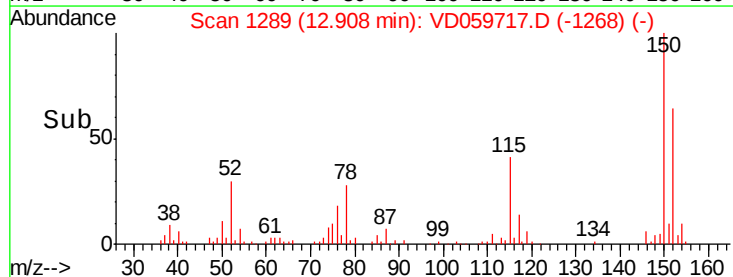
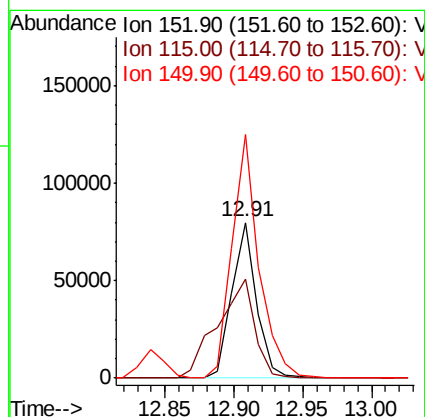
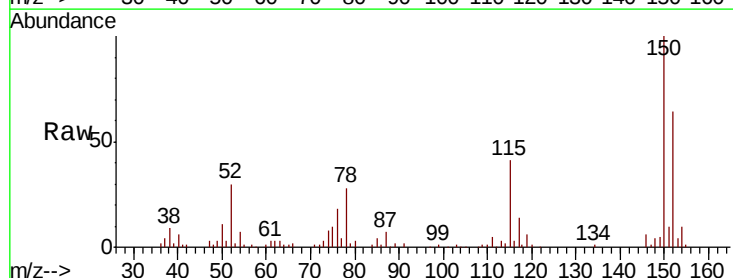
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

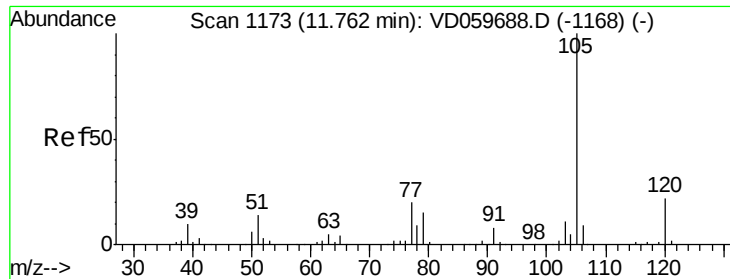
Tot Ion:173 Resp: 81625
Ion Ratio Lower Upper
173 100
175 48.7 24.1 72.4
254 11.5 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:152 Resp: 98566
Ion Ratio Lower Upper
152 100
115 63.9 28.8 86.4
150 156.7 0.0 318.0





#73

Isopropylbenzene

Concen: 53.33 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

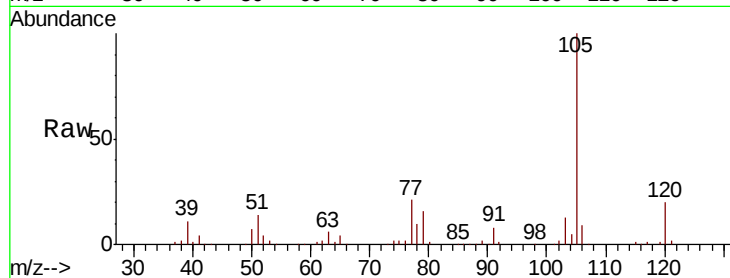
VSTDCCC050

Tot Ion:105 Resp: 353288

Ion Ratio Lower Upper

105 100

120 20.1 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

250000

200000

150000

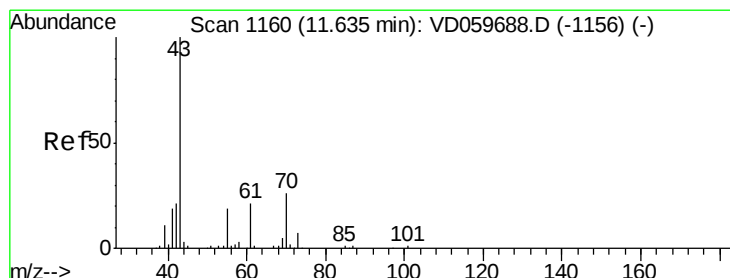
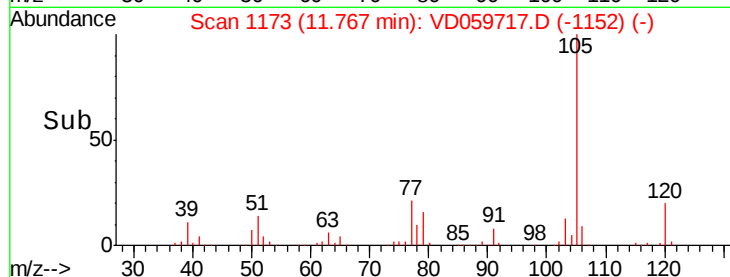
100000

50000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 52.03 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Tgt Ion: 43 Resp: 110268

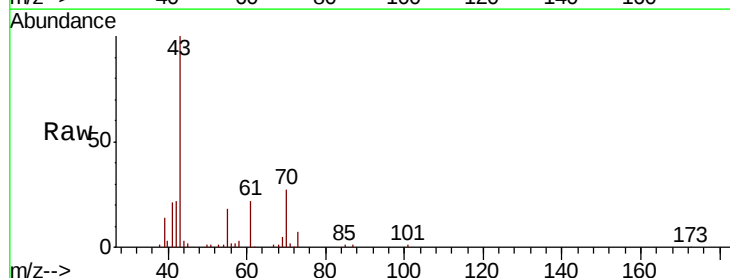
Ion Ratio Lower Upper

43 100

70 26.9 21.0 31.6

55 18.2 15.4 23.2

61 21.9 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.64

100000

80000

60000

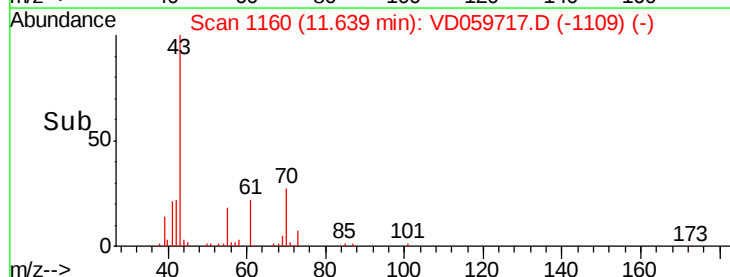
40000

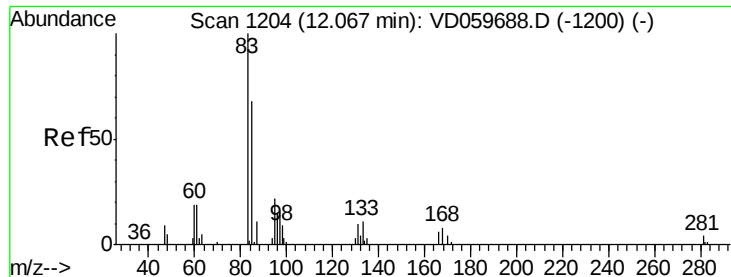
20000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 47.39 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

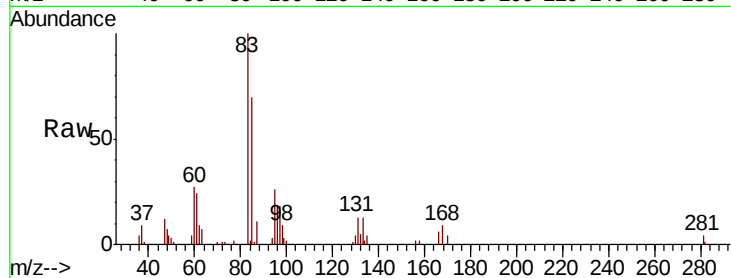
Tot Ion: 83 Resp: 62997

Ion Ratio Lower Upper

83 100

131 12.5 5.3 15.9

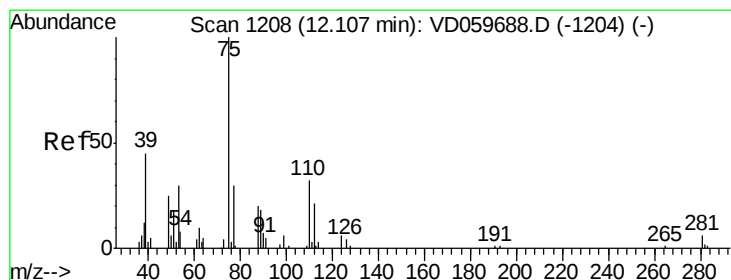
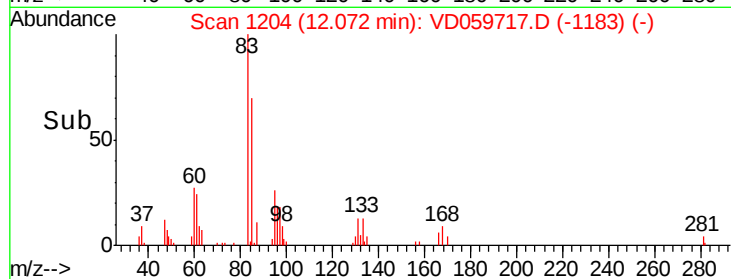
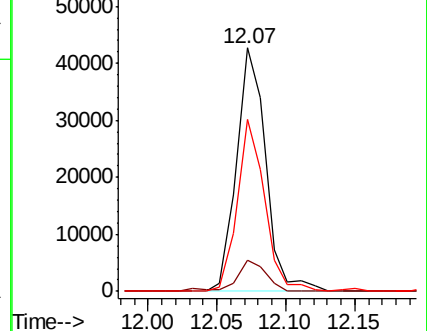
85 70.4 34.1 102.2



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: 52.43 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059717.D

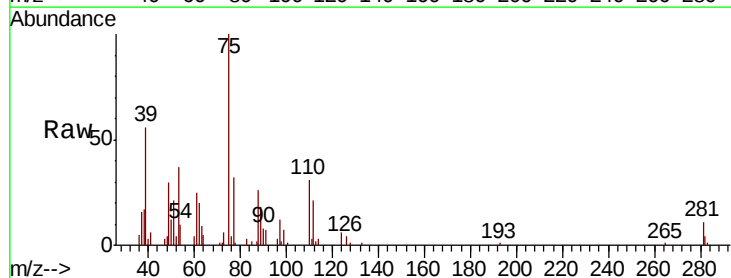
Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 79883

Ion Ratio Lower Upper

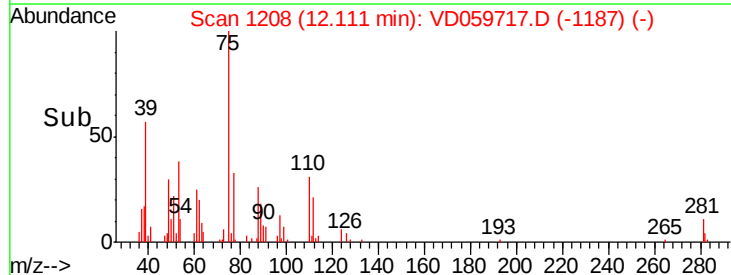
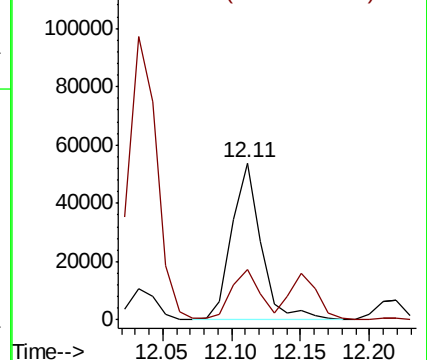
75 100

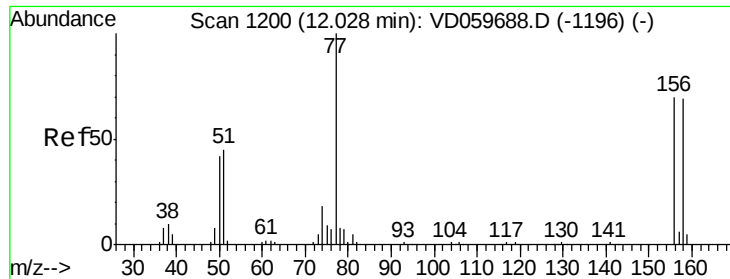
77 32.2 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.53 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

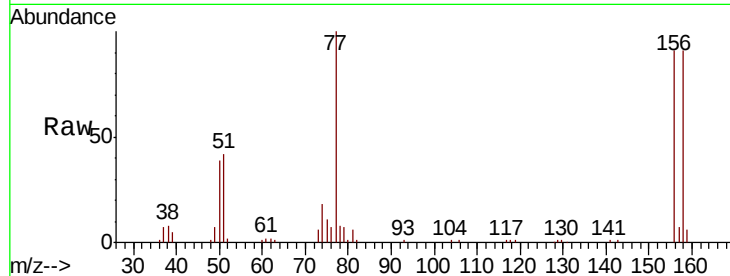
Tot Ion:156 Resp: 103348

Ion Ratio Lower Upper

156 100

77 110.4 71.2 213.6

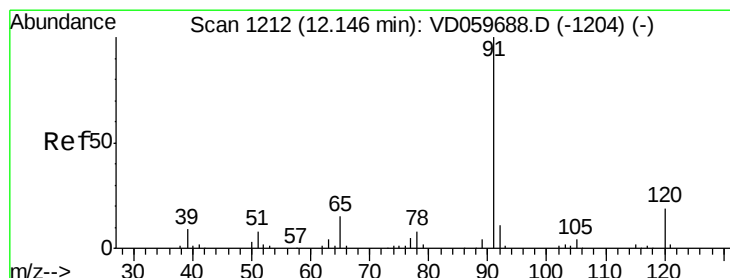
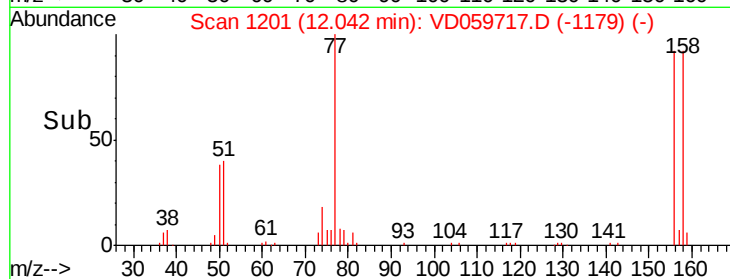
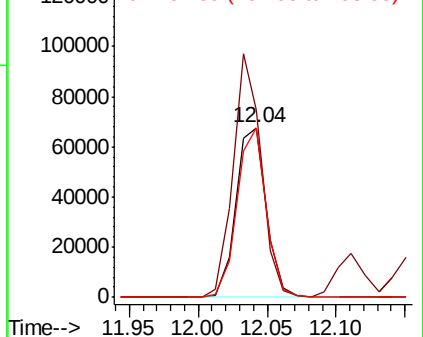
158 100.1 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.89 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059717.D

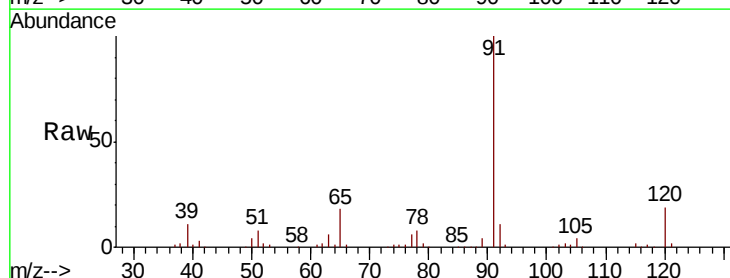
Acq: 9 Aug 2018 14:51

Tgt Ion: 91 Resp: 409534

Ion Ratio Lower Upper

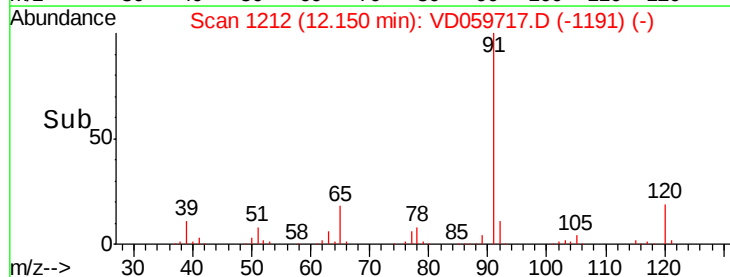
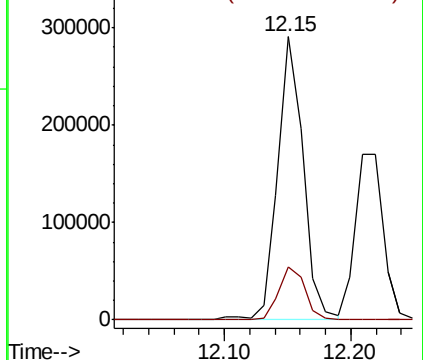
91 100

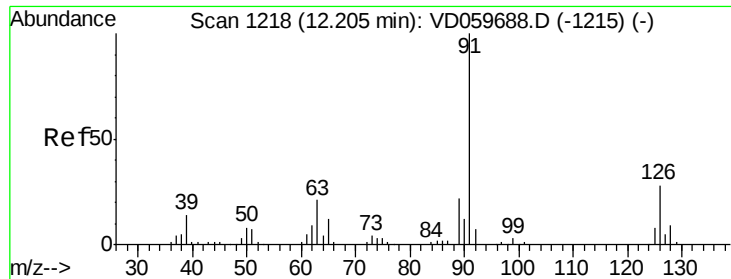
120 18.8 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

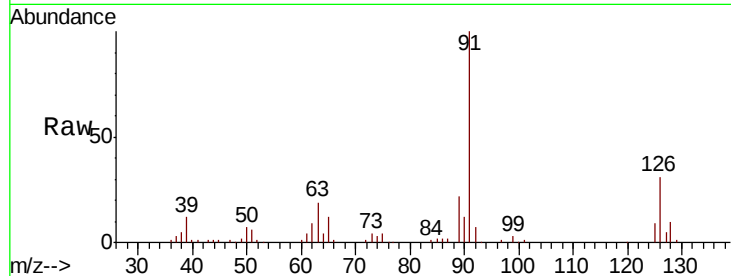




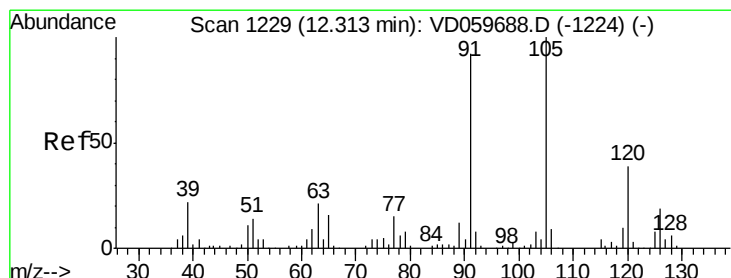
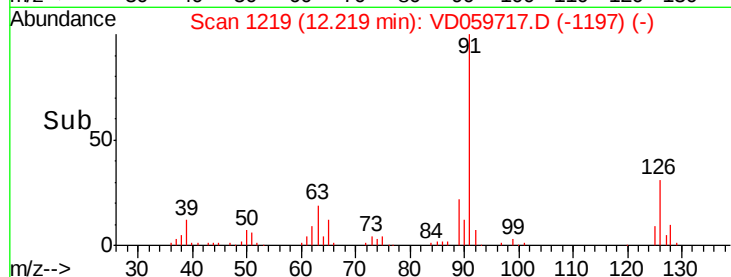
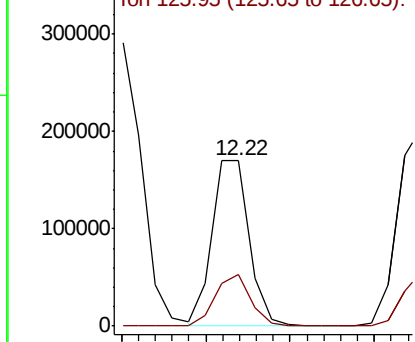
#79
 2-Chlorotoluene
 Concen: 52.25 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 259050
 Ion Ratio Lower Upper
 91 100
 126 31.0 13.7 41.0

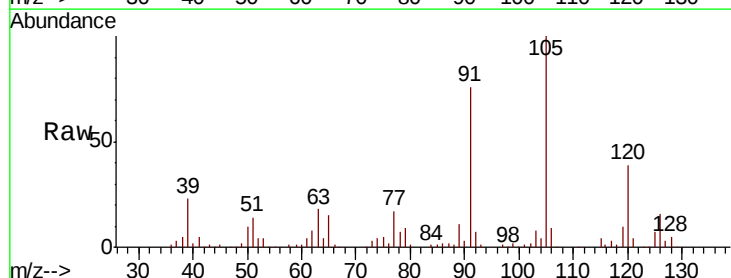


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

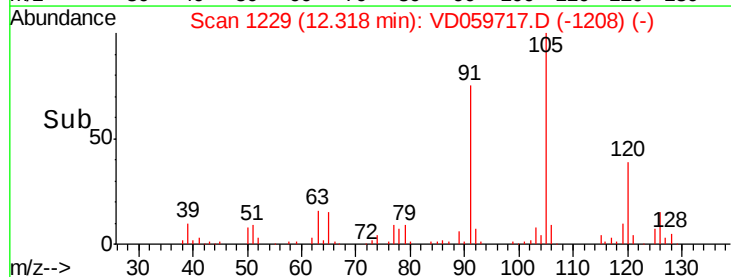
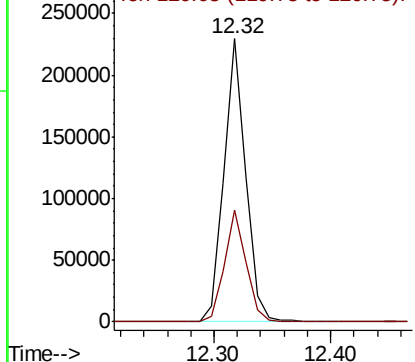


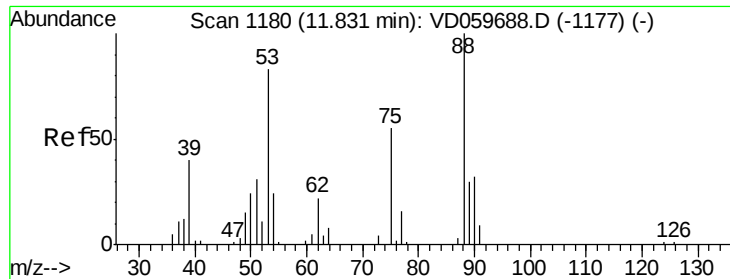
#80
 1,3,5-Trimethylbenzene
 Concen: 53.42 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:105 Resp: 294778
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.7 59.1



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

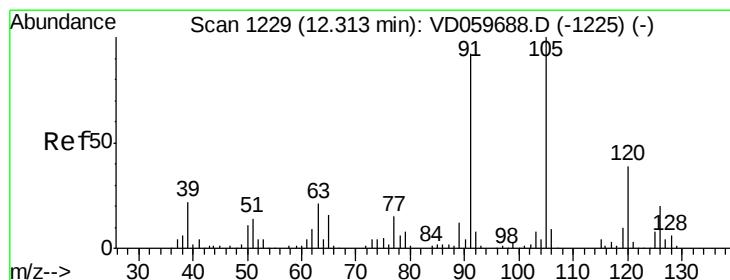
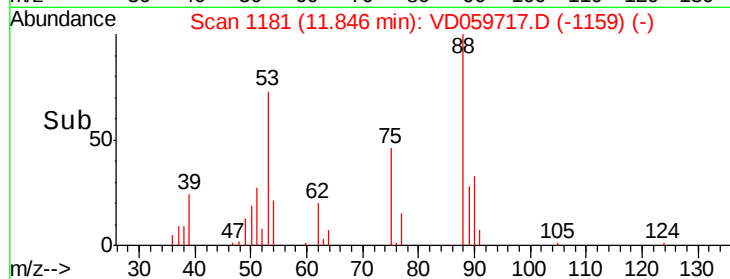
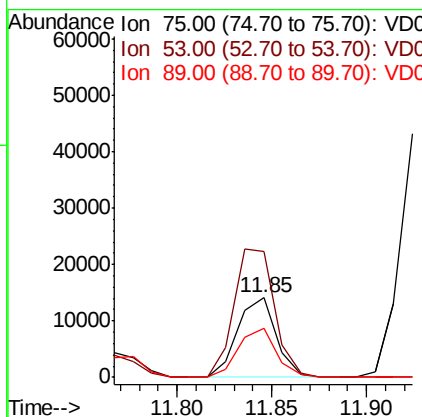
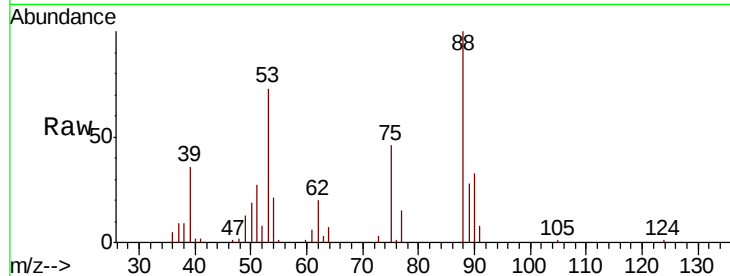




#81
trans-1,4-Dichloro-2-butene
Concen: 53.60 ug/l
RT: 11.85 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

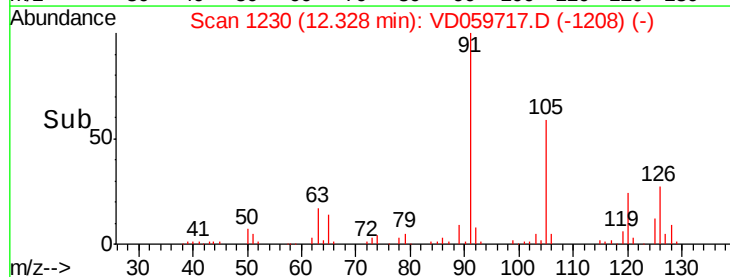
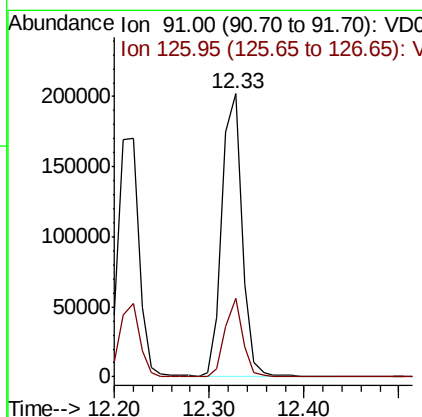
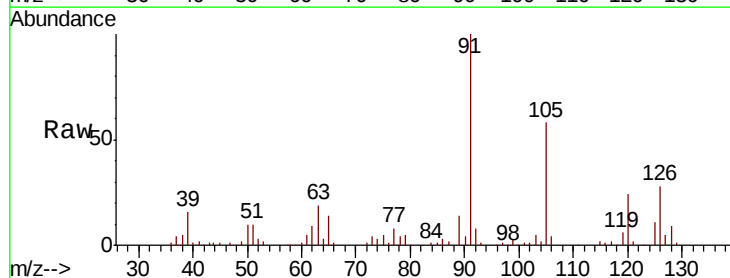
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

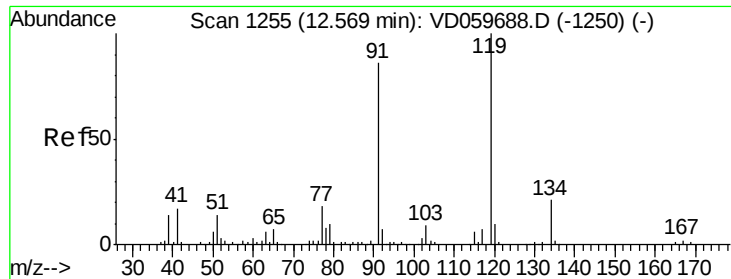
Tot Ion: 75 Resp: 19933
Ion Ratio Lower Upper
75 100
53 159.1 120.5 180.7
89 62.0 44.4 66.6



#82
4-Chlorotoluene
Concen: 51.09 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 91 Resp: 296528
Ion Ratio Lower Upper
91 100
126 27.7 10.7 31.9

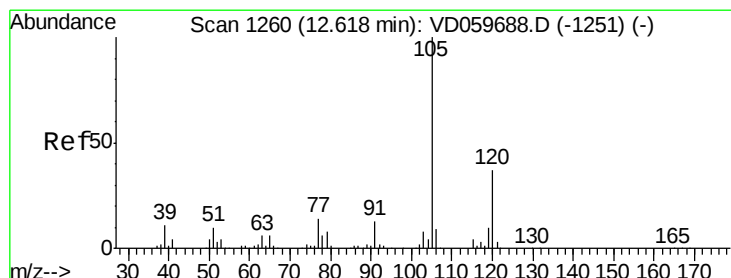
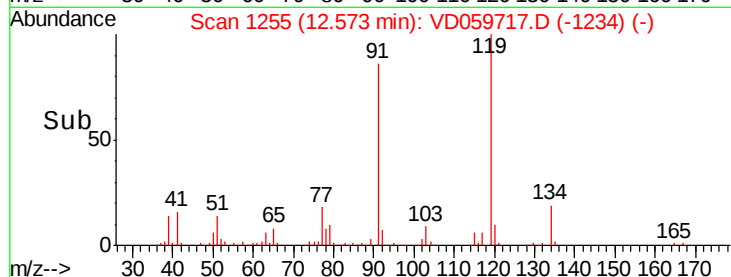
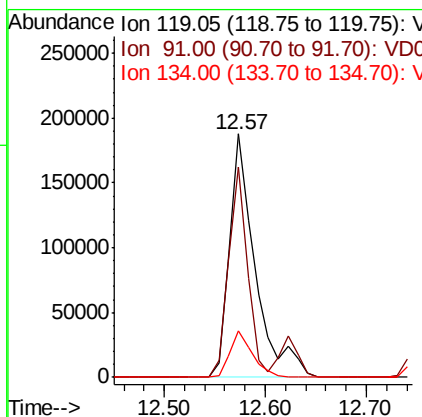
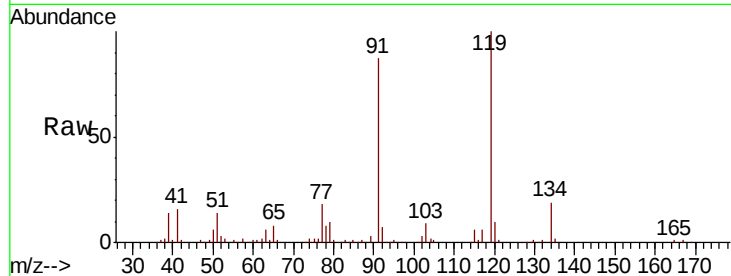




#83
 tert-Butylbenzene
 Concen: 53.71 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

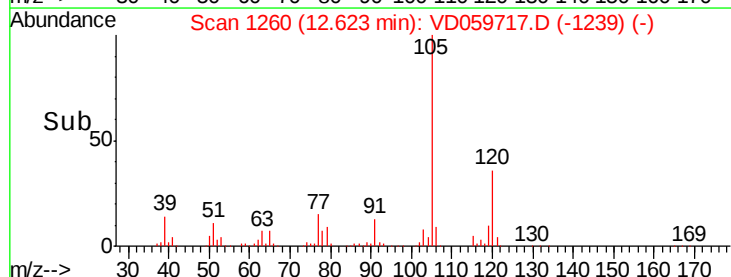
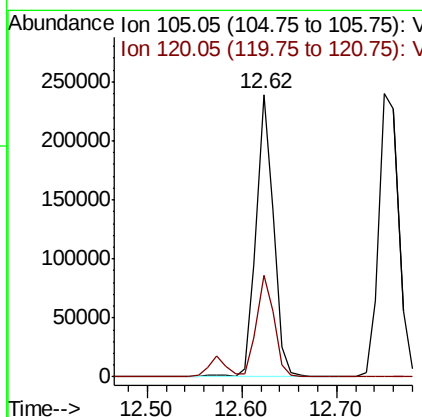
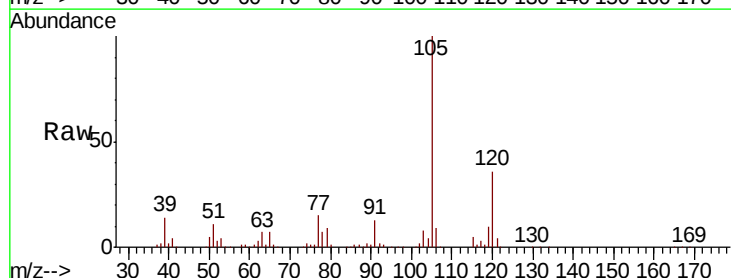
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

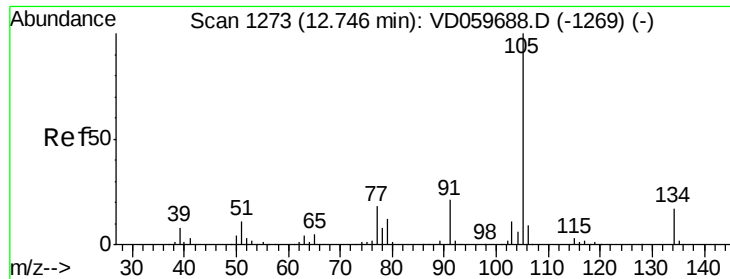
Tot Ion:119 Resp: 331734
 Ion Ratio Lower Upper
 119 100
 91 86.6 43.3 129.9
 134 19.0 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.54 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:105 Resp: 307230
 Ion Ratio Lower Upper
 105 100
 120 36.2 18.7 56.1





#85

sec-Butylbenzene

Concen: 52.07 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

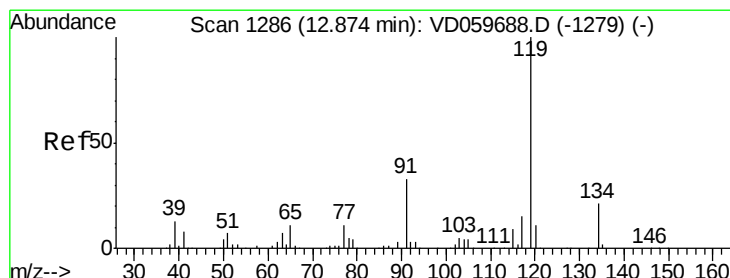
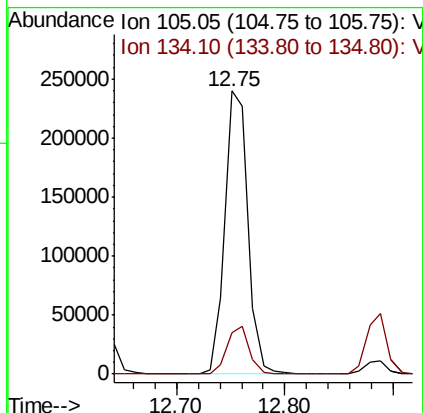
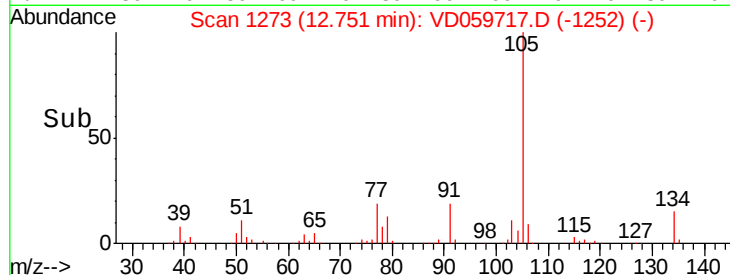
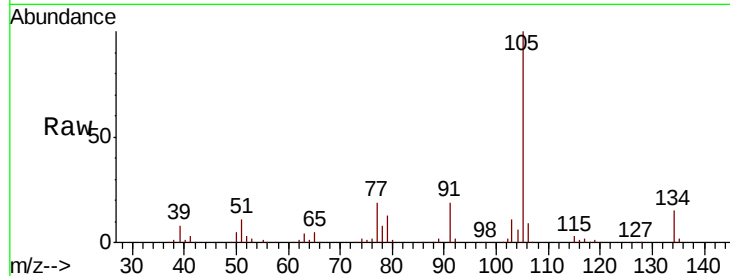
VSTDCCC050

Tot Ion:105 Resp: 357135

Ion Ratio Lower Upper

105 100

134 14.5 8.3 24.9



#86

p-Isopropyltoluene

Concen: 55.50 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059717.D

Acq: 9 Aug 2018 14:51

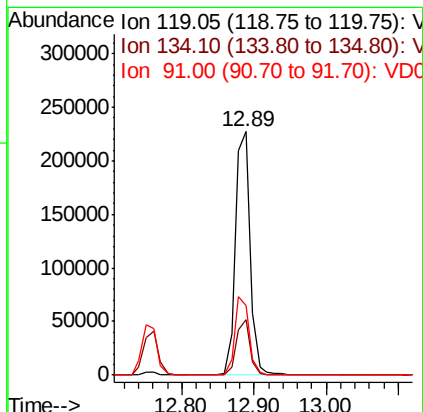
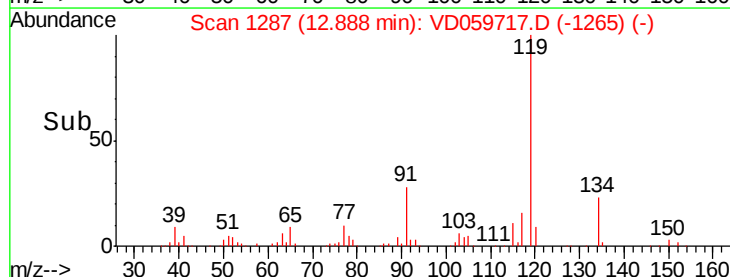
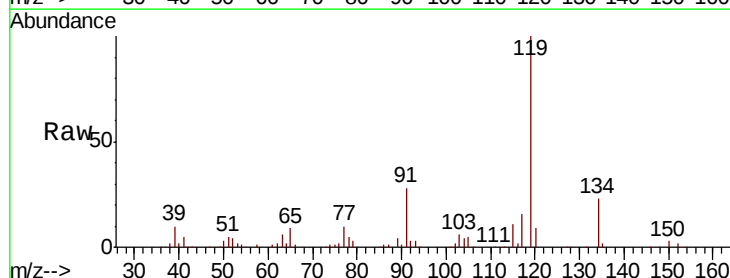
Tgt Ion:119 Resp: 324603

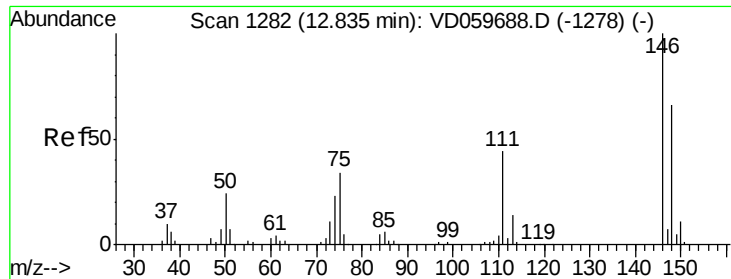
Ion Ratio Lower Upper

119 100

134 22.6 10.7 32.1

91 28.3 16.6 49.7

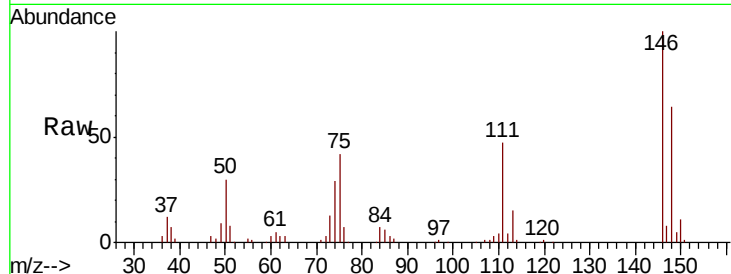




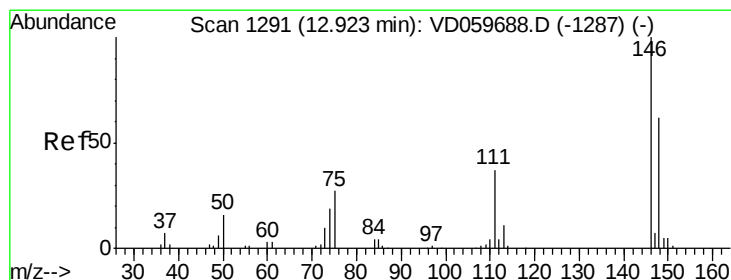
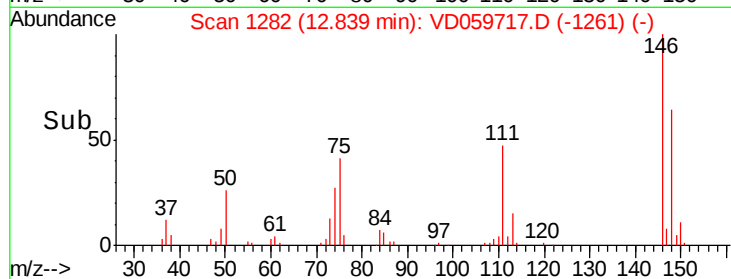
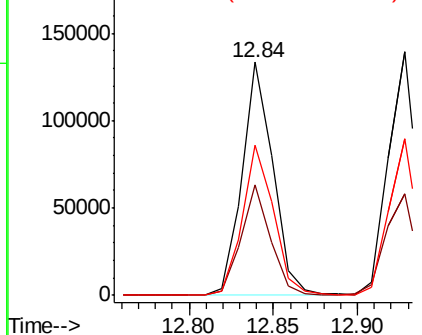
#87
 1,3-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 169826
 Ion Ratio Lower Upper
 146 100
 111 47.2 21.8 65.4
 148 64.3 33.1 99.2

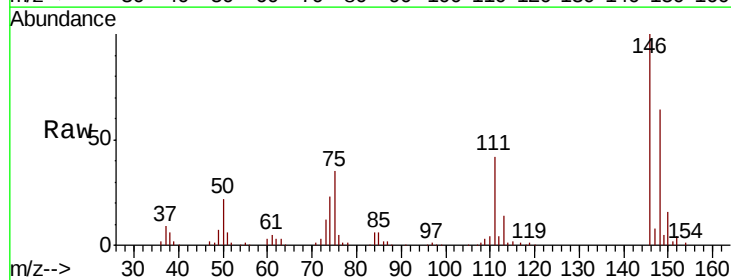


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

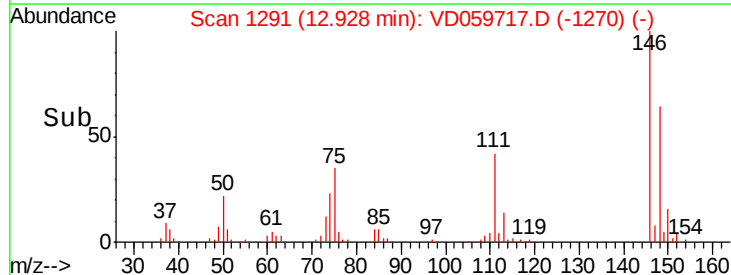
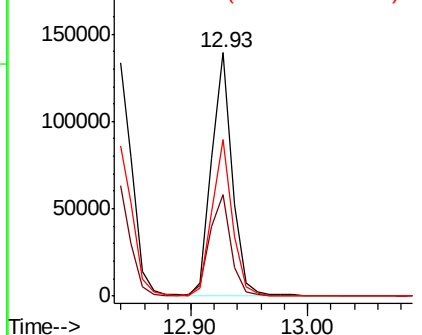


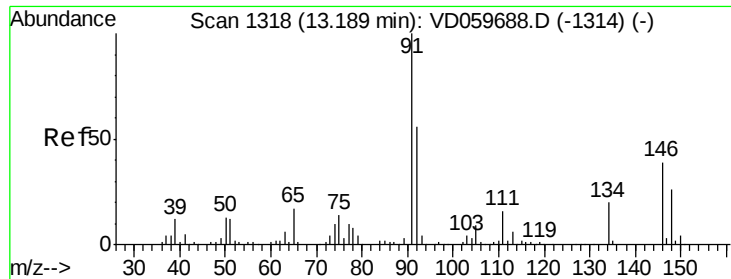
#88
 1,4-Dichlorobenzene
 Concen: 51.66 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:146 Resp: 171745
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.6 55.8
 148 64.1 31.2 93.6



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

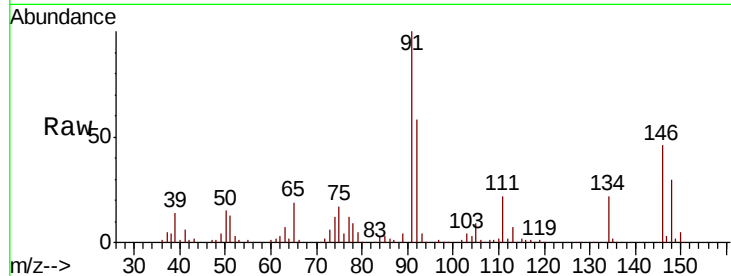




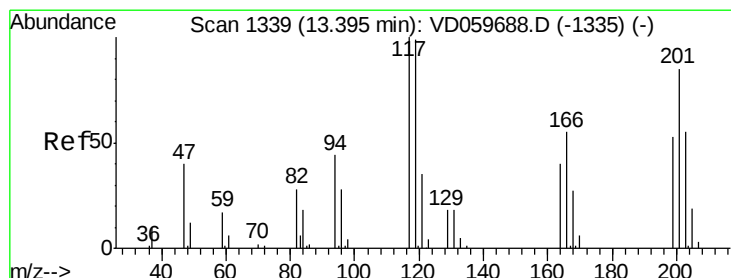
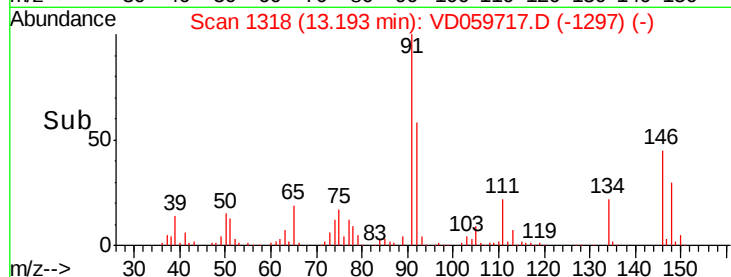
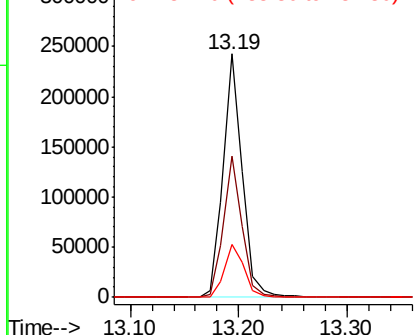
#89
n-Butylbenzene
Concen: 50.31 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 298359
Ion Ratio Lower Upper
91 100
92 57.9 28.2 84.6
134 21.7 9.8 29.5

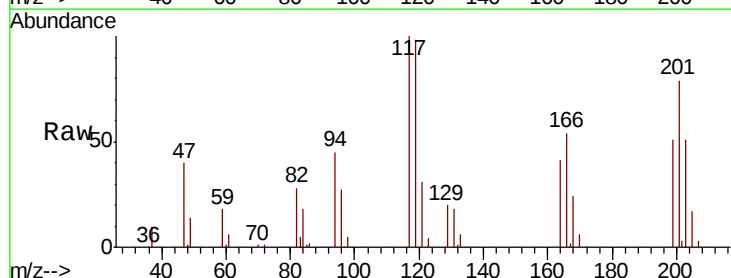


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

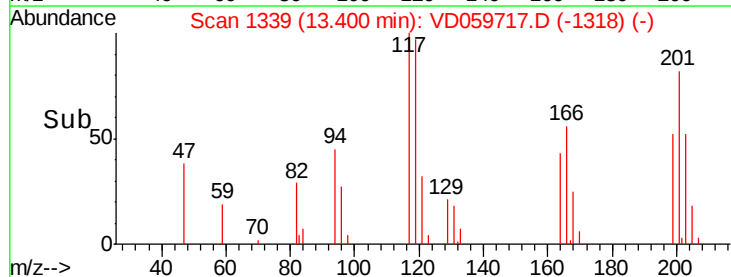
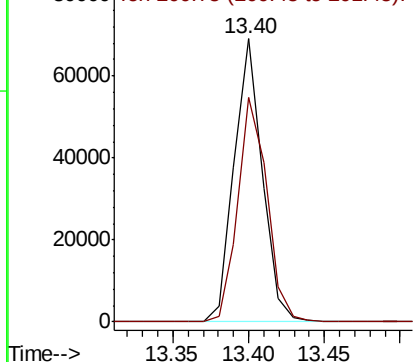


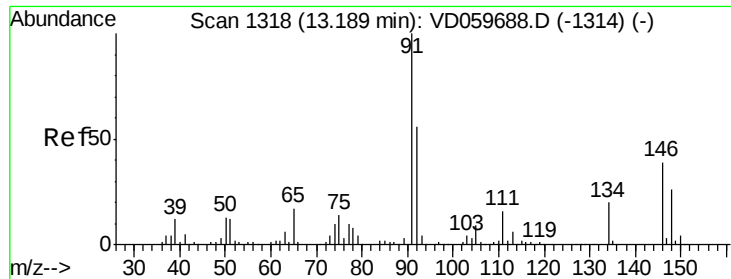
#90
Hexachloroethane
Concen: 58.56 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion: 117 Resp: 88768
Ion Ratio Lower Upper
117 100
201 79.4 42.4 127.1



Abundance Ion 116.85 (116.55 to 117.55): V
80000 Ion 200.75 (200.45 to 201.45): V

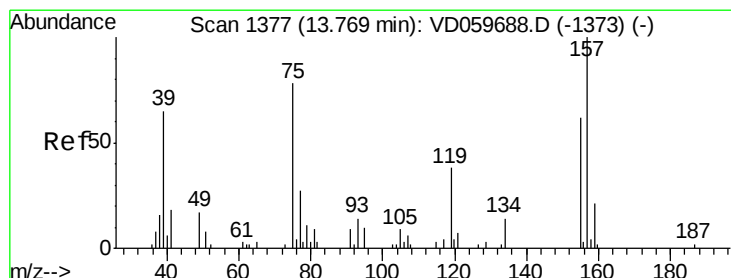
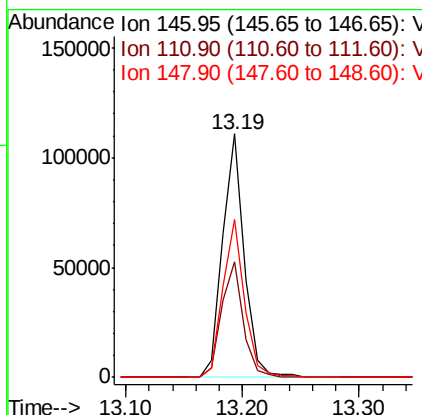
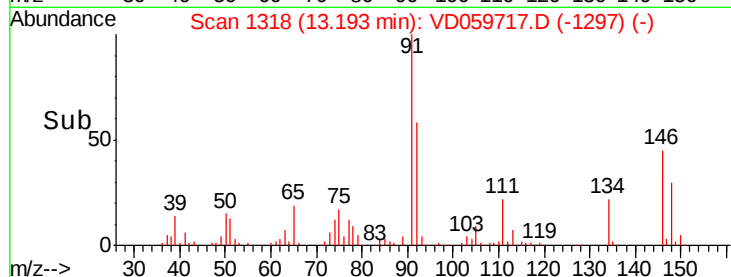
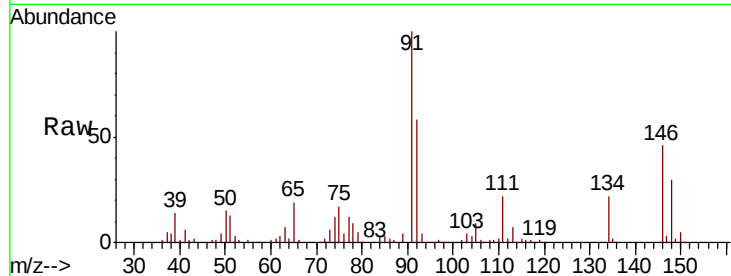




#91
 1,2-Dichlorobenzene
 Concen: 50.73 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

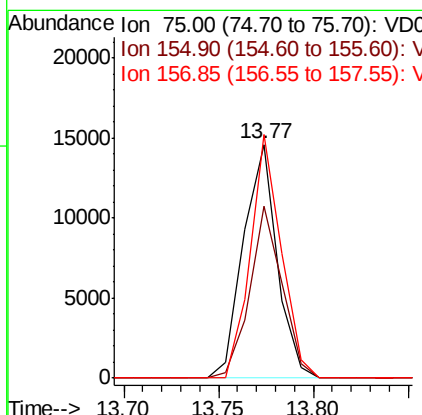
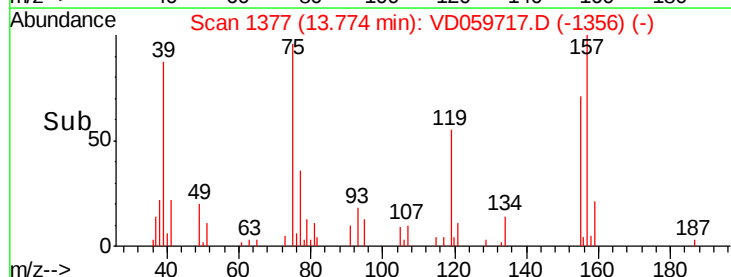
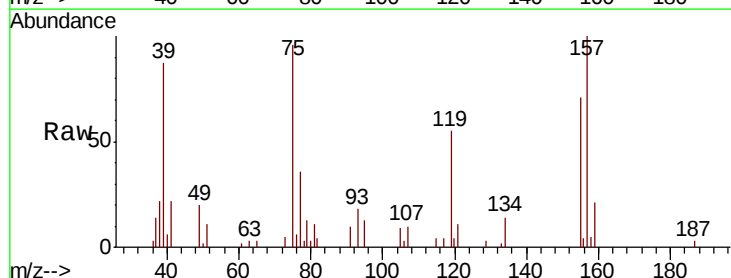
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

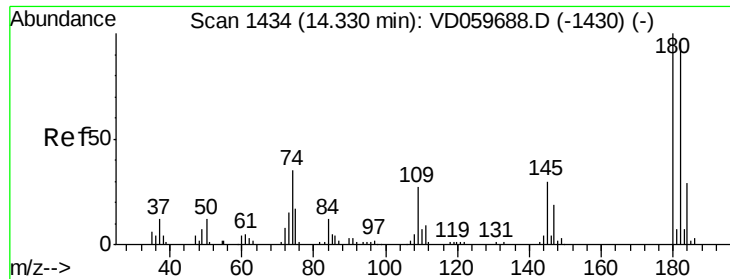
Tot Ion:146 Resp: 142371
 Ion Ratio Lower Upper
 146 100
 111 47.7 20.8 62.2
 148 65.0 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.58 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion: 75 Resp: 17929
 Ion Ratio Lower Upper
 75 100
 155 73.6 40.0 119.9
 157 104.2 64.3 192.7

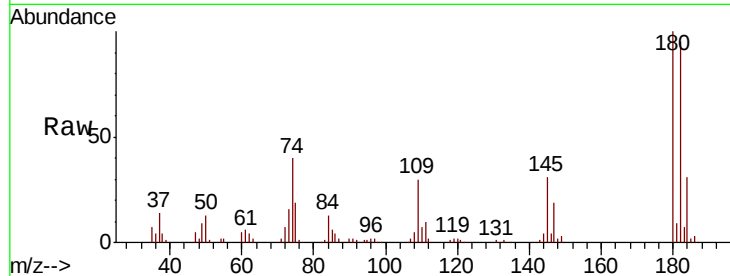




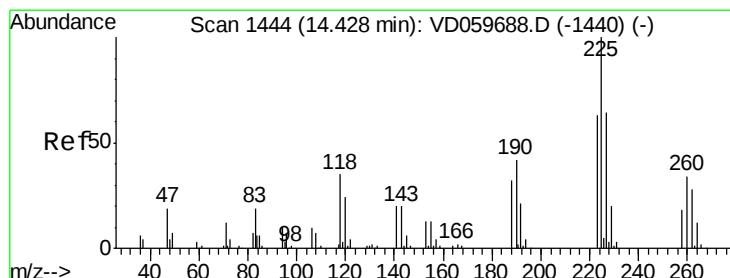
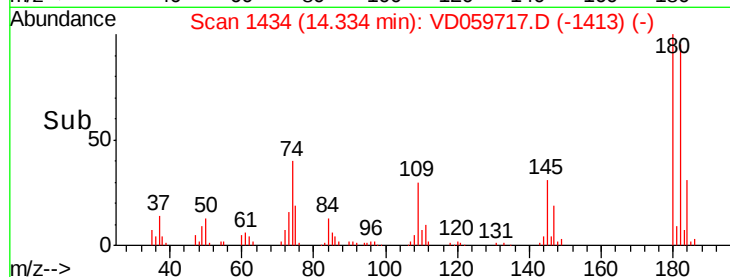
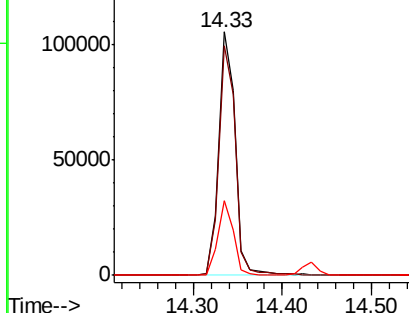
#93
 1,2,4-Trichlorobenzene
 Concen: 54.13 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 136646
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.0 144.0
 145 30.6 14.8 44.4

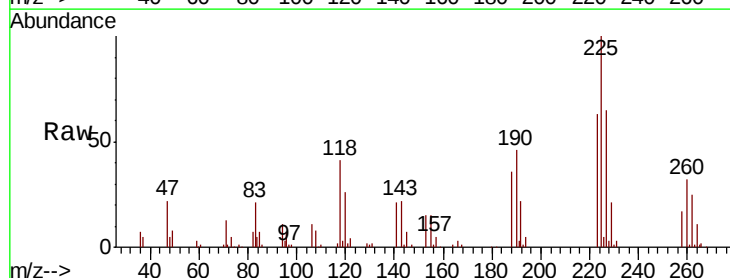


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

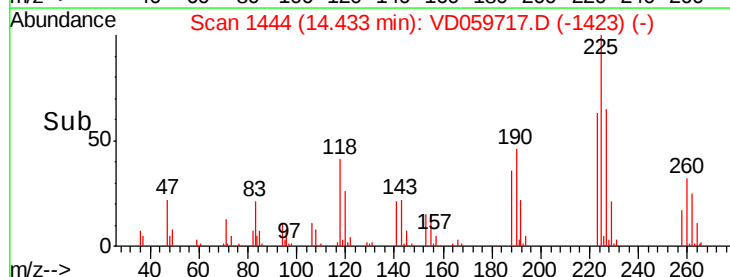
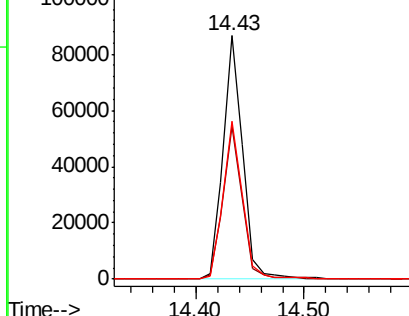


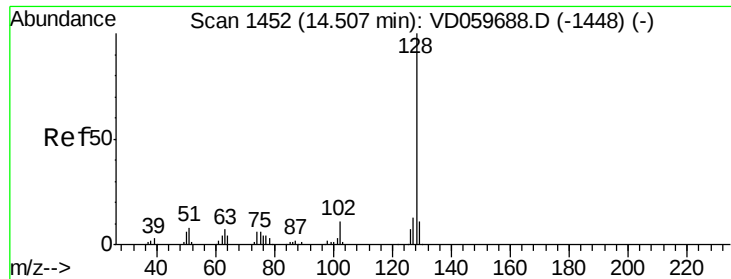
#94
 Hexachlorobutadiene
 Concen: 55.55 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059717.D
 Acq: 9 Aug 2018 14:51

Tgt Ion:225 Resp: 108762
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 64.9 32.1 96.3



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

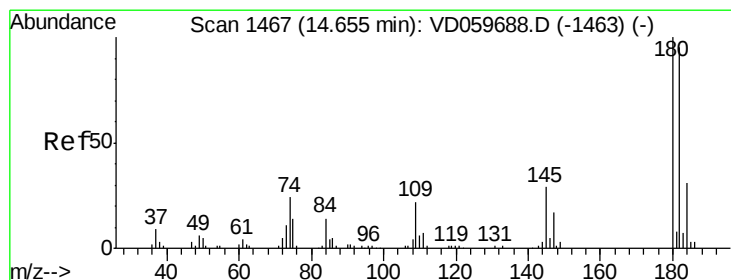
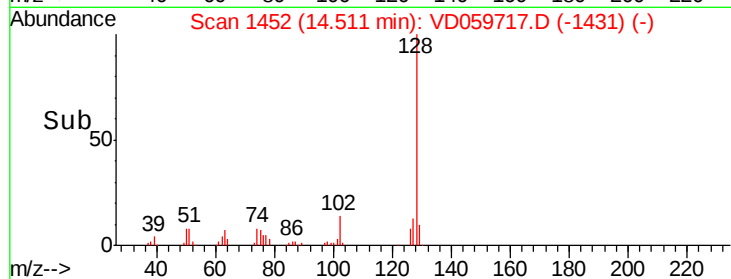
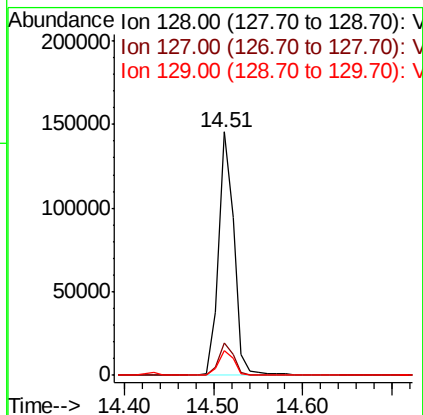
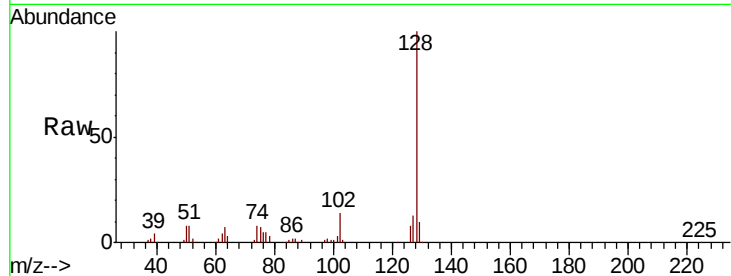




#95
Naphthalene
Concen: 47.40 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 177216
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 53.29 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059717.D
Acq: 9 Aug 2018 14:51

Tgt Ion:180 Resp: 117679
Ion Ratio Lower Upper
180 100
182 96.4 47.5 142.5
145 32.0 14.5 43.5

