

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059763.D
 Acq On : 14 Aug 2018 13:03
 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 14 15:32:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	250738	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	319481	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	271541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	145862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	168069	42.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.64%	
35) Dibromofluoromethane	5.55	113	151279	45.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.71	98	356961	54.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	11.94	95	157571	48.15	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	173348	46.22	ug/l	93
3) Chloromethane	1.48	50	97068	68.29	ug/l	93
4) Vinyl Chloride	1.56	62	107330	59.80	ug/l	100
5) Bromomethane	1.78	94	34978	46.41	ug/l	93
6) Chloroethane	1.88	64	45920	49.71	ug/l	99
7) Trichlorofluoromethane	2.09	101	168078	43.66	ug/l	98
8) Diethyl Ether	2.34	74	31981	51.41	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.55	101	95388	48.32	ug/l	99
10) Methyl Iodide	2.69	142	107116	43.37	ug/l	97
11) Tert butyl alcohol	3.27	59	31242	229.71	ug/l #	94
12) 1,1-Dichloroethene	2.54	96	71698	50.79	ug/l	92
13) Acrolein	2.47	56	33654	415.45	ug/l	92
14) Allyl chloride	2.92	41	166529	53.39	ug/l	97
15) Acrylonitrile	3.36	53	115216	342.68	ug/l	94
16) Acetone	2.61	43	187175	291.95	ug/l	98
17) Carbon Disulfide	2.76	76	245343	51.85	ug/l	100
18) Methyl Acetate	2.93	43	59773	48.53	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	305067	55.23	ug/l	100
20) Methylene Chloride	3.07	84	77803	42.04	ug/l	94
21) trans-1,2-Dichloroethene	3.39	96	127033	70.99	ug/l	88
22) Diisopropyl ether	4.07	45	400083	67.83	ug/l	88
23) Vinyl Acetate	4.02	43	1225520	307.02	ug/l	98
24) 1,1-Dichloroethane	3.97	63	240904	55.30	ug/l	97
25) 2-Butanone	4.83	43	245036	355.59	ug/l	97
26) 2,2-Dichloropropane	4.79	77	256022	50.27	ug/l	96
27) cis-1,2-Dichloroethene	4.80	96	131251	60.63	ug/l	87
28) Bromochloromethane	5.14	49	97909	62.41	ug/l	81
29) Tetrahydrofuran	5.19	42	91406	354.75	ug/l	97
30) Chloroform	5.31	83	296791	51.57	ug/l	100
31) Cyclohexane	5.59	56	173563	68.63	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	277039	46.44	ug/l	97
36) 1,1-Dichloropropene	5.75	75	194874	52.55	ug/l	94
37) Ethyl Acetate	4.92	43	98818	60.59	ug/l #	92
38) Carbon Tetrachloride	5.73	117	246758	42.29	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059763.D
 Acq On : 14 Aug 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:32:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	175683	63.94	ug/l	96
40) Benzene	6.01	78	392474	60.74	ug/l	99
41) Methacrylonitrile	5.13	41	47552	62.03	ug/l #	89
42) 1,2-Dichloroethane	6.13	62	222573	43.43	ug/l	95
43) Isopropyl Acetate	7.62	43	119405	58.11	ug/l #	93
44) Trichloroethene	6.98	130	137288	52.68	ug/l	91
45) 1,2-Dichloropropane	7.35	63	103767	63.05	ug/l	95
46) Dibromomethane	7.46	93	84902	48.57	ug/l	97
47) Bromodichloromethane	7.74	83	212460	46.00	ug/l	98
48) Methyl methacrylate	7.50	41	81356	54.25	ug/l	88
49) 1,4-Dioxane	7.49	88	13605	1283.26	ug/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	501747	316.80	ug/l	92
52) Toluene	8.81	92	242246	58.30	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	184113	49.61	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	193840	54.42	ug/l	87
55) 1,1,2-Trichloroethane	9.46	97	90382	55.16	ug/l	95
56) Ethyl methacrylate	9.31	69	106990	57.30	ug/l #	84
57) 1,3-Dichloropropane	9.66	76	141259	51.79	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.19	63	240402	278.00	ug/l	99
59) 2-Hexanone	9.79	43	374390	315.89	ug/l	91
60) Dibromochloromethane	9.96	129	144569	45.73	ug/l	100
61) 1,2-Dibromoethane	10.10	107	106117	51.79	ug/l	98
64) Tetrachloroethene	9.52	164	128159	48.09	ug/l	93
65) Chlorobenzene	10.73	112	292830	52.84	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	124250	44.26	ug/l	98
67) Ethyl Benzene	10.86	91	522213	50.29	ug/l	95
68) m/p-Xylenes	11.01	106	347900	104.51	ug/l	93
69) o-Xylene	11.40	106	172171	53.19	ug/l	88
70) Styrene	11.43	104	290149	54.73	ug/l	93
71) Bromoform	11.60	173	101193	47.66	ug/l	98
73) Isopropylbenzene	11.78	105	522932	52.77	ug/l	97
74) N-amyl acetate	11.64	43	175869	61.91	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	109481	60.55	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	124312	57.61	ug/l	99
77) Bromobenzene	12.04	156	154517	53.39	ug/l	84
78) n-propylbenzene	12.15	91	655062	54.41	ug/l	99
79) 2-Chlorotoluene	12.22	91	372303	48.84	ug/l	89
80) 1,3,5-Trimethylbenzene	12.32	105	437556	50.97	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	31706	65.24	ug/l #	76
82) 4-Chlorotoluene	12.33	91	450056	50.09	ug/l	96
83) tert-Butylbenzene	12.57	119	462192	49.50	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	457049	51.59	ug/l	96
85) sec-Butylbenzene	12.75	105	534541	53.85	ug/l	99
86) p-Isopropyltoluene	12.89	119	459362	51.35	ug/l	90
87) 1,3-Dichlorobenzene	12.84	146	262639	53.60	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	267461	54.60	ug/l	98
89) n-Butylbenzene	13.19	91	469307	53.06	ug/l	97
90) Hexachloroethane	13.40	117	117615	50.68	ug/l	94
91) 1,2-Dichlorobenzene	13.19	146	217791	52.32	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20850	46.29	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
Data File : VD059763.D
Acq On : 14 Aug 2018 13:03
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 14 15:32:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration

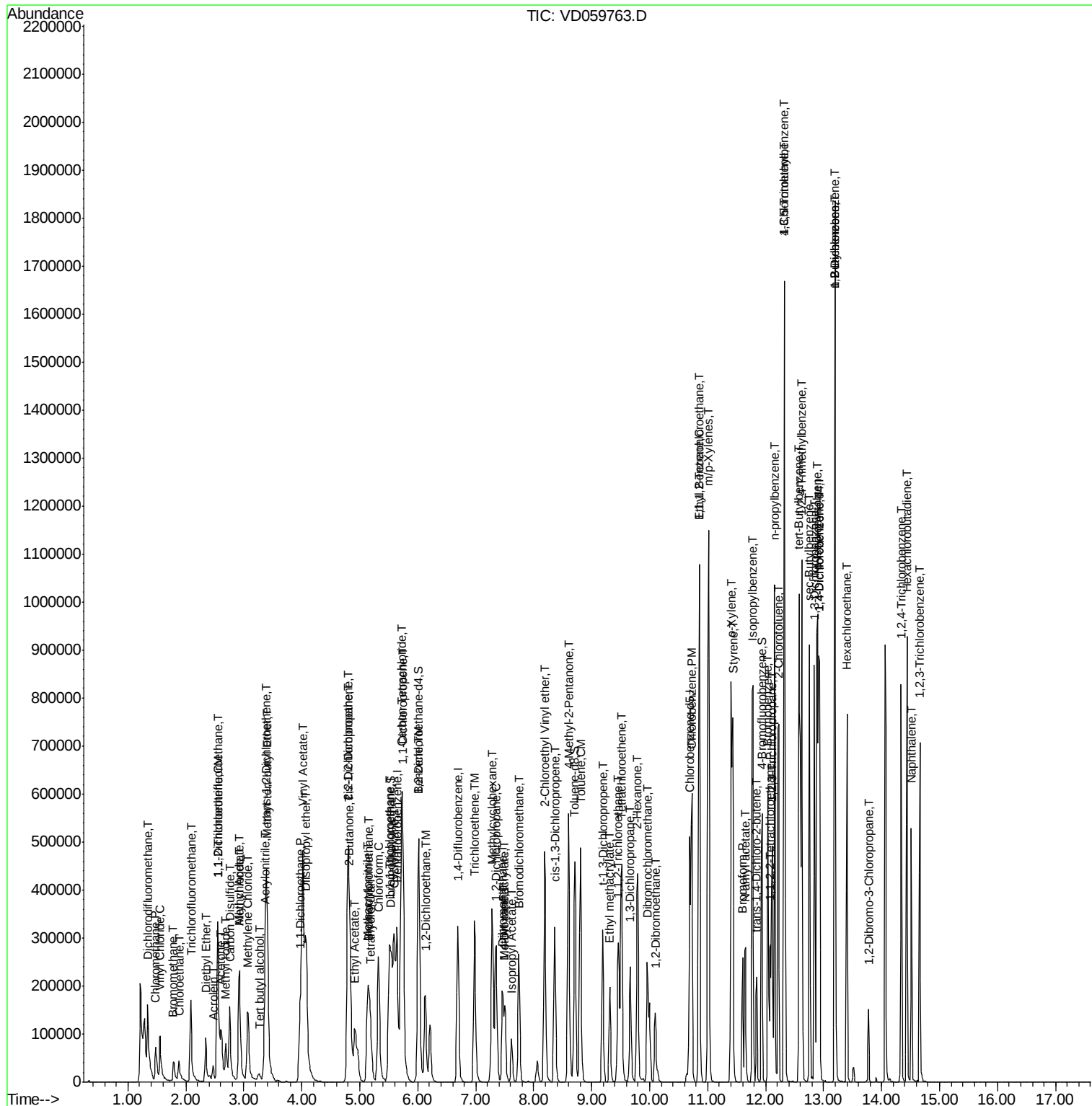
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	189299	47.90	ug/l	99
94) Hexachlorobutadiene	14.43	225	143604	43.36	ug/l	99
95) Naphthalene	14.51	128	279985	52.61	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	165589	49.01	ug/l	99

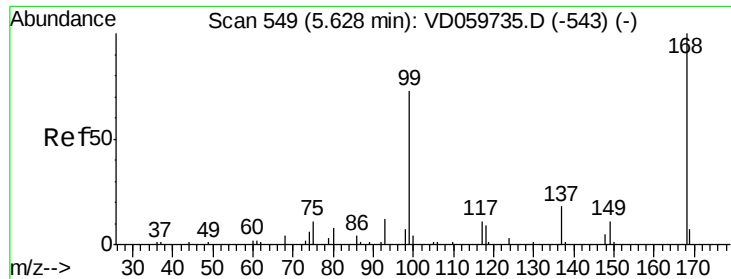
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059763.D
 Acq On : 14 Aug 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:32:33 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

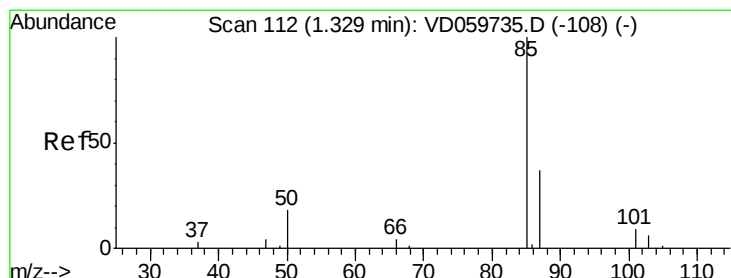
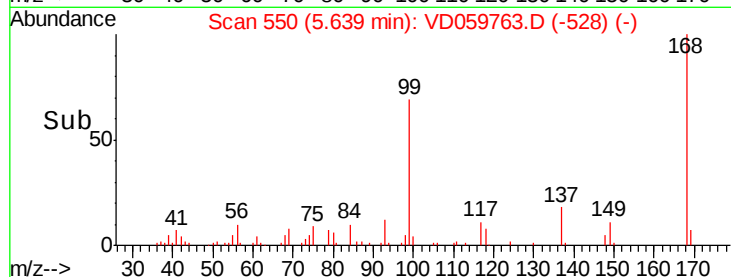
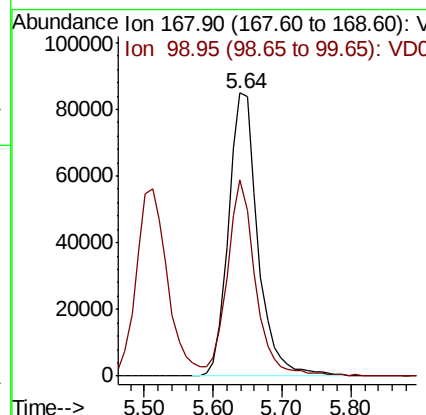
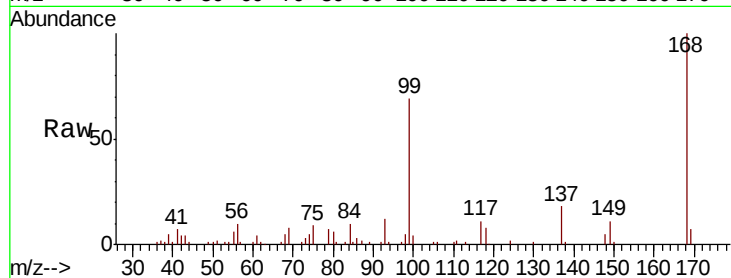




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

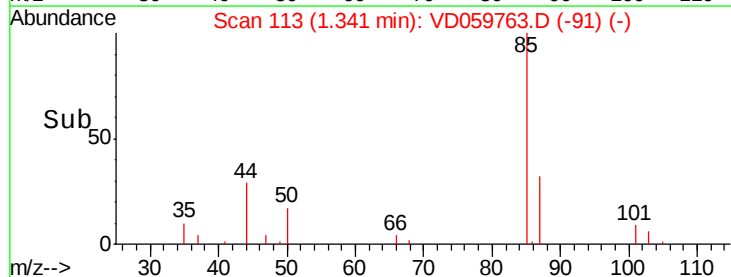
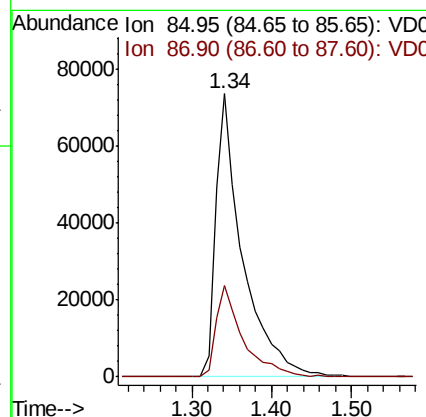
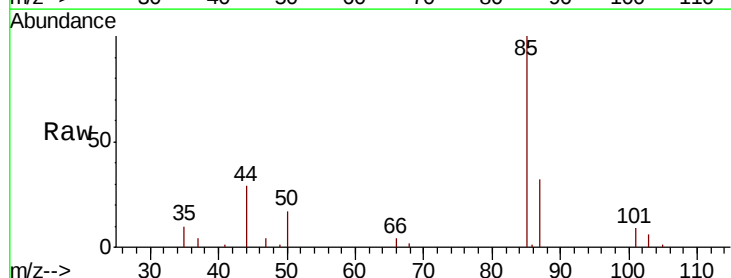
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

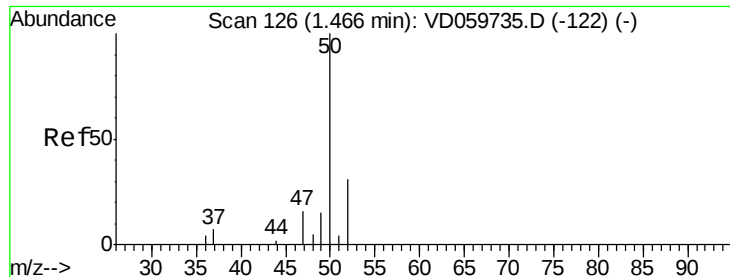
Tot Ion:168 Resp: 250738
Ion Ratio Lower Upper
168 100
99 69.2 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 46.22 ug/l
RT: 1.34 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 85 Resp: 173348
Ion Ratio Lower Upper
85 100
87 32.3 18.3 54.8





#3

Chloromethane

Concen: 68.29 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

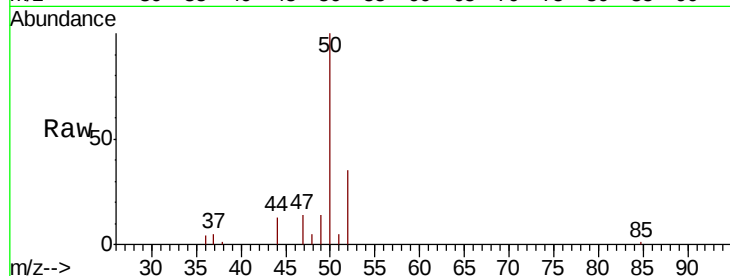
VSTDCCC050

Tot Ion: 50 Resp: 97068

Ion Ratio Lower Upper

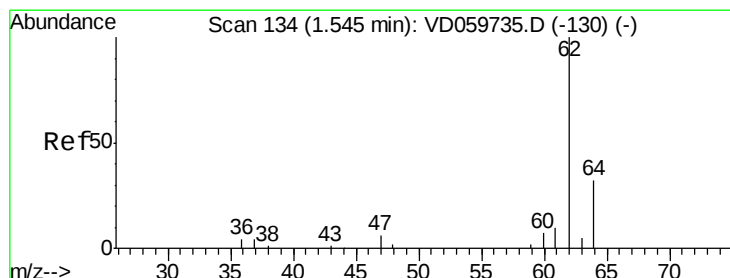
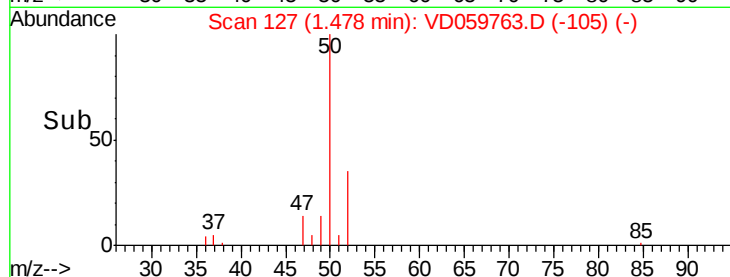
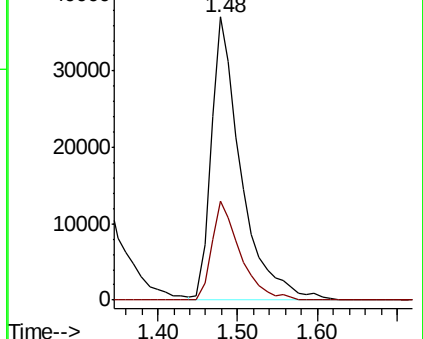
50 100

52 34.8 24.8 37.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 59.80 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD059763.D

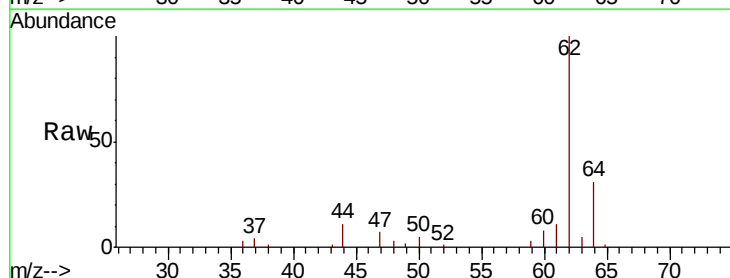
Acq: 14 Aug 2018 13:03

Tgt Ion: 62 Resp: 107330

Ion Ratio Lower Upper

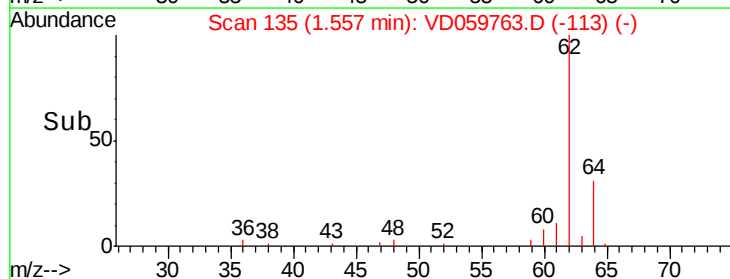
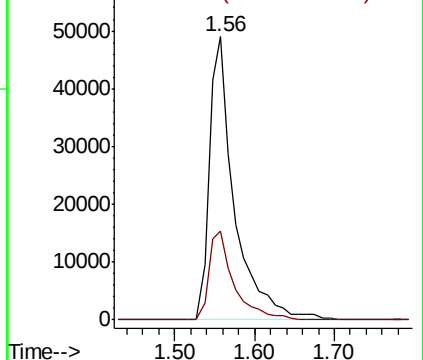
62 100

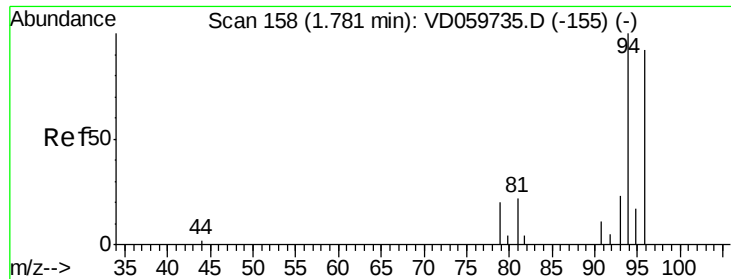
64 31.5 25.3 37.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.41 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

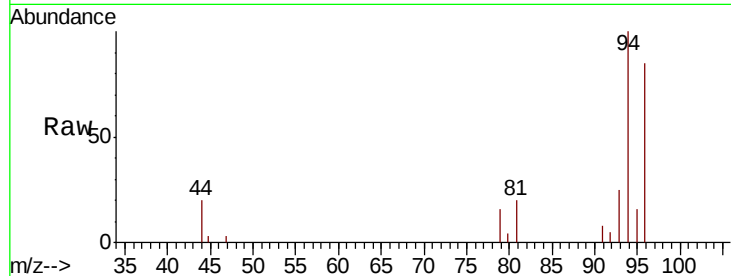
VSTDCCC050

Tot Ion: 94 Resp: 34978

Ion Ratio Lower Upper

94 100

96 84.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.78

15000

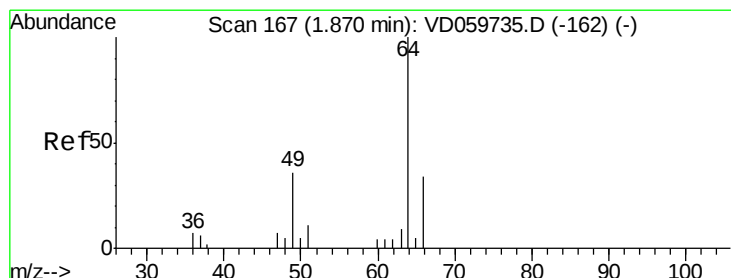
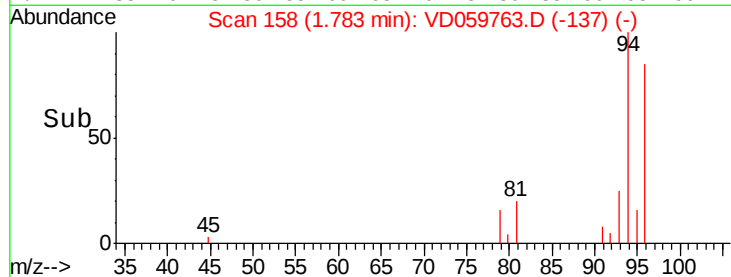
10000

5000

0

Time-->

1.70 1.80 1.90 2.00



#6

Chloroethane

Concen: 49.71 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD059763.D

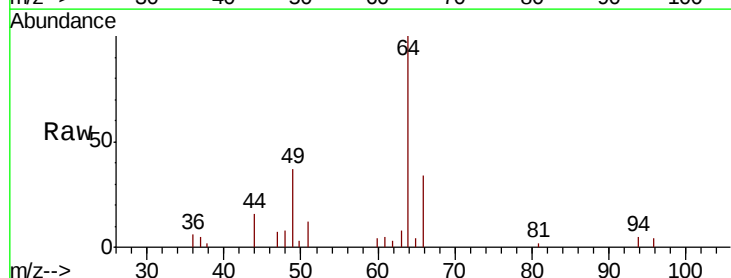
Acq: 14 Aug 2018 13:03

Tgt Ion: 64 Resp: 45920

Ion Ratio Lower Upper

64 100

66 34.2 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

20000

15000

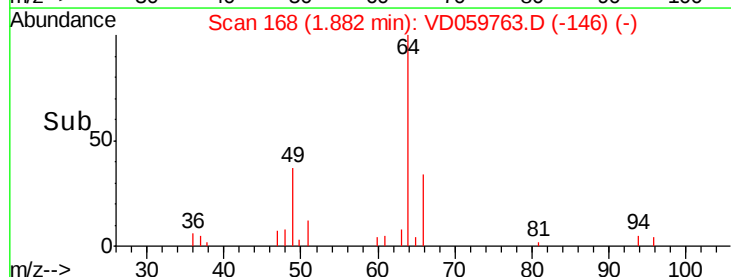
10000

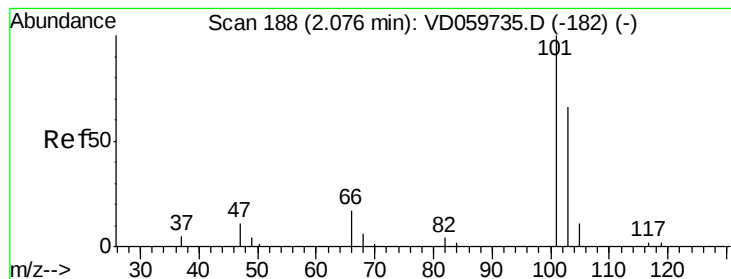
5000

0

Time-->

1.80 1.90 2.00 2.10





#7

Trichlorofluoromethane

Concen: 43.66 ug/l

RT: 2.09 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

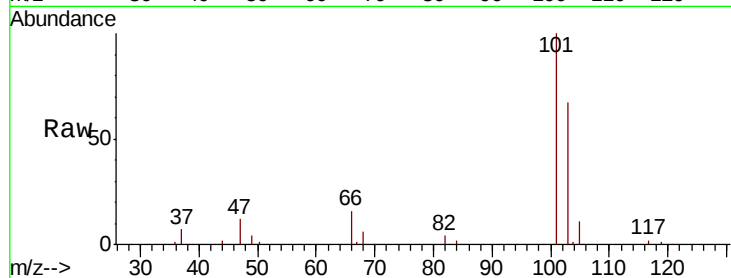
VSTDCCC050

Tot Ion:101 Resp: 168078

Ion Ratio Lower Upper

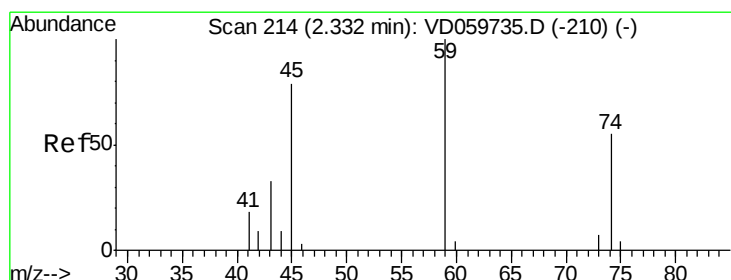
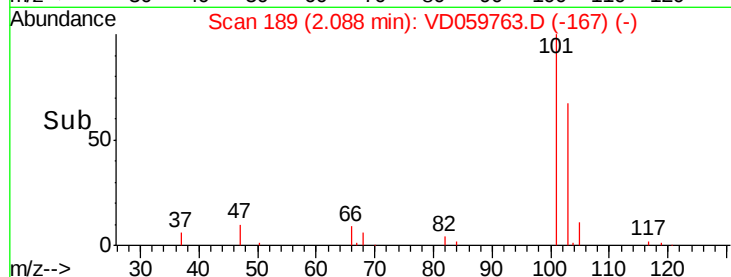
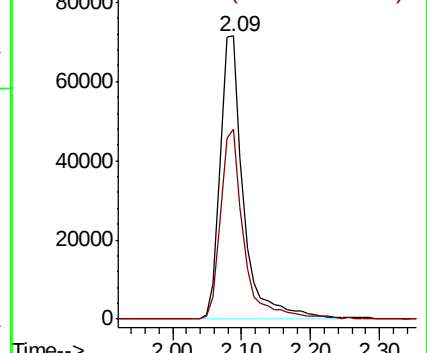
101 100

103 66.9 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 51.41 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.01 min

Lab File: VD059763.D

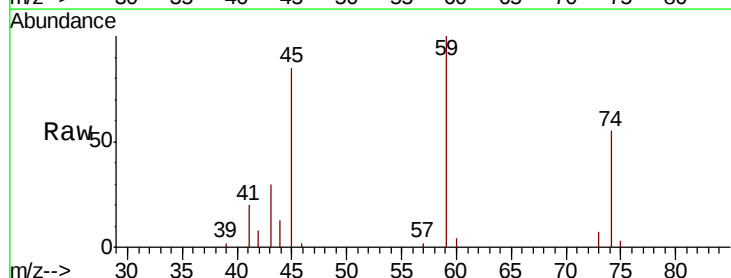
Acq: 14 Aug 2018 13:03

Tgt Ion: 74 Resp: 31981

Ion Ratio Lower Upper

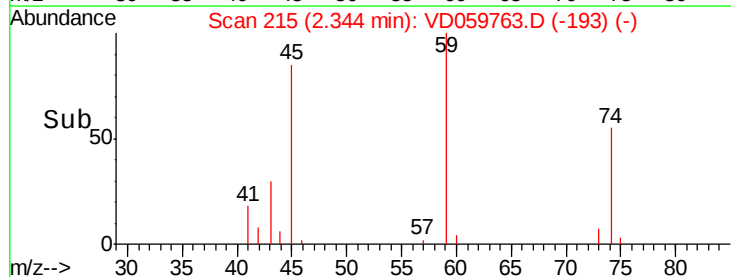
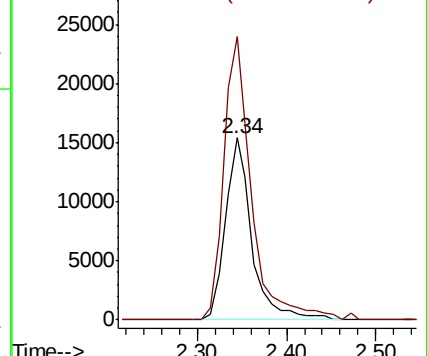
74 100

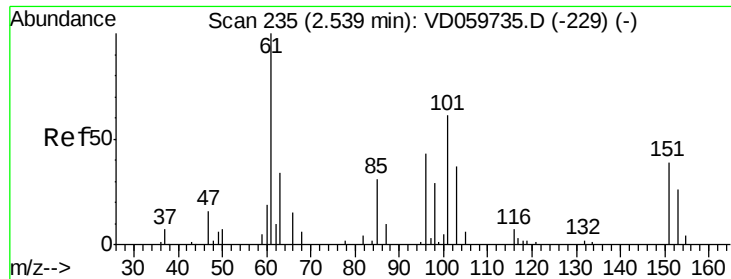
45 155.4 71.1 213.3



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: 48.32 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

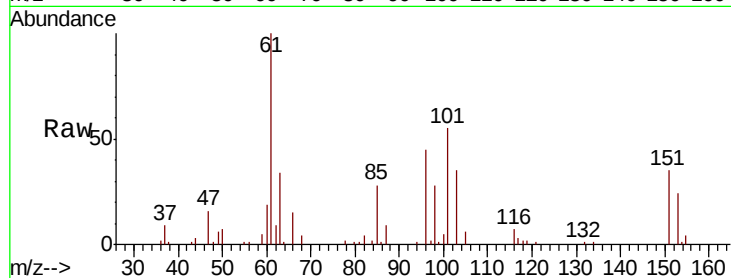
Tot Ion:101 Resp: 95388

Ion Ratio Lower Upper

101 100

85 51.3 39.7 59.5

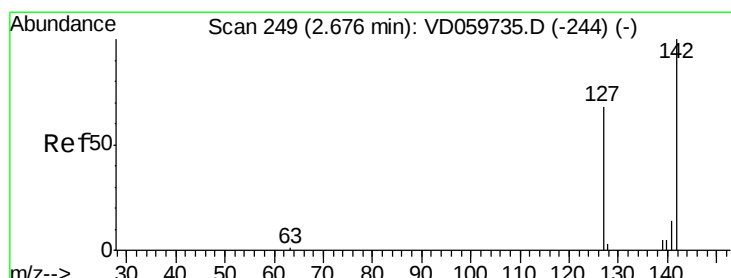
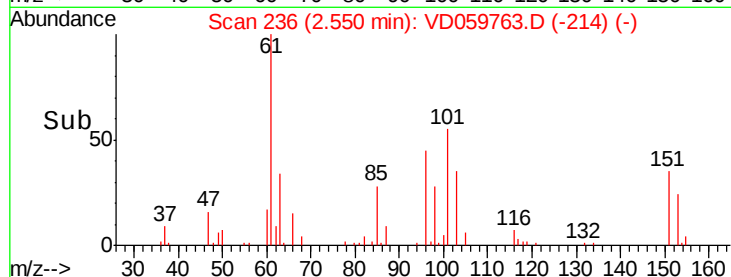
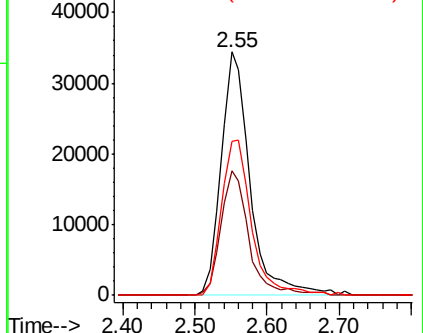
151 63.0 50.8 76.2



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: 43.37 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

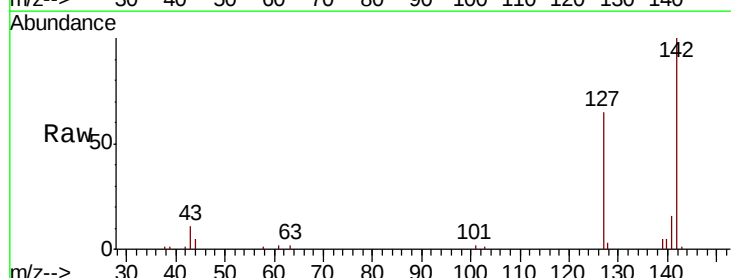
Tgt Ion:142 Resp: 107116

Ion Ratio Lower Upper

142 100

127 65.2 54.0 81.0

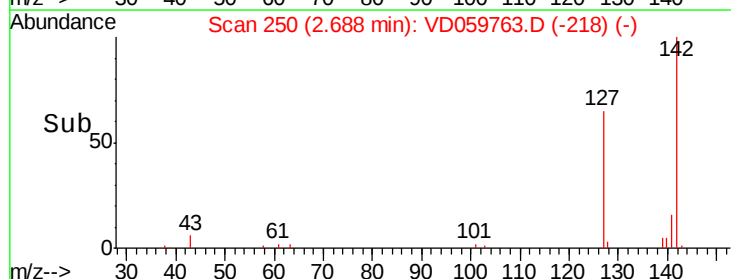
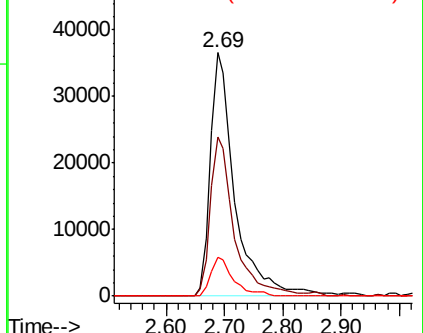
141 15.7 11.0 16.4

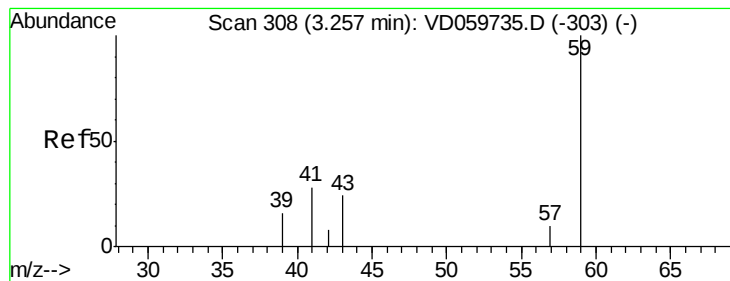


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



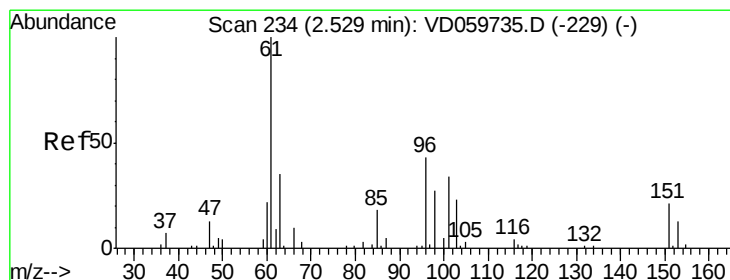
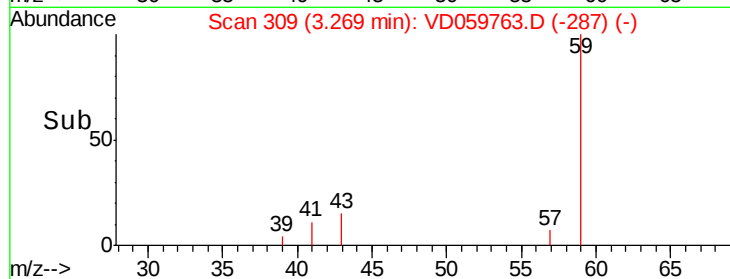
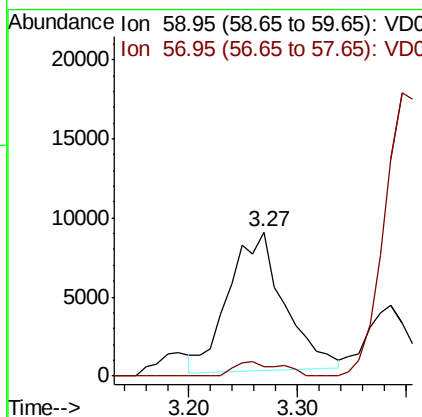
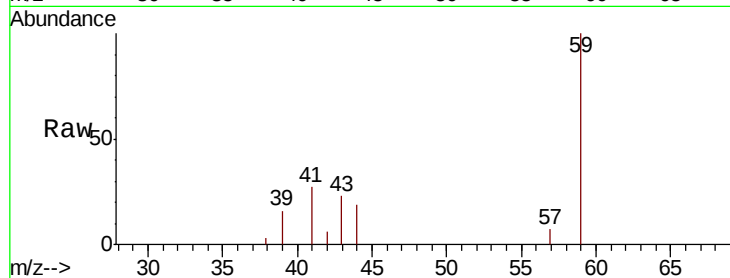


#11

Tert butyl alcohol
 Concen: 229.71 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

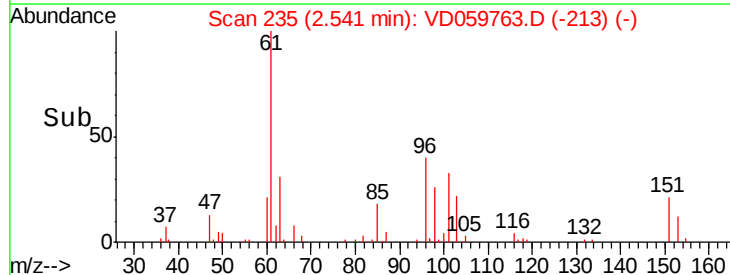
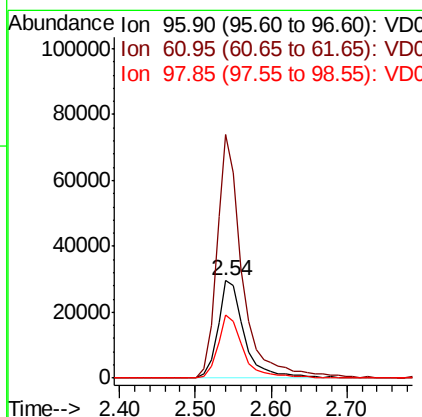
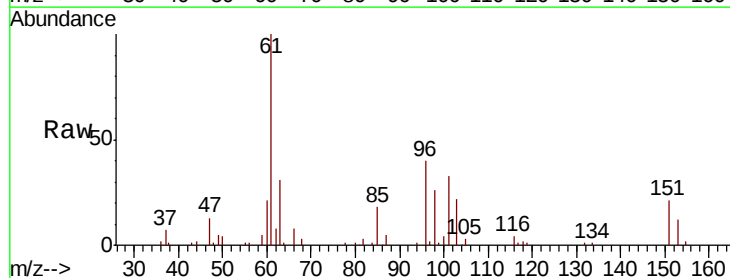
Tot Ion: 59 Resp: 31242
 Ion Ratio Lower Upper
 59 100
 57 6.9 7.3 10.9#

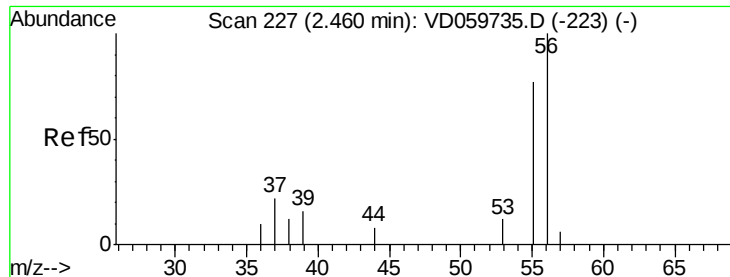


#12

1,1-Dichloroethene
 Concen: 50.79 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 96 Resp: 71698
 Ion Ratio Lower Upper
 96 100
 61 250.4 187.2 280.8
 98 64.8 50.4 75.6





#13

Acrolein

Concen: 415.45 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

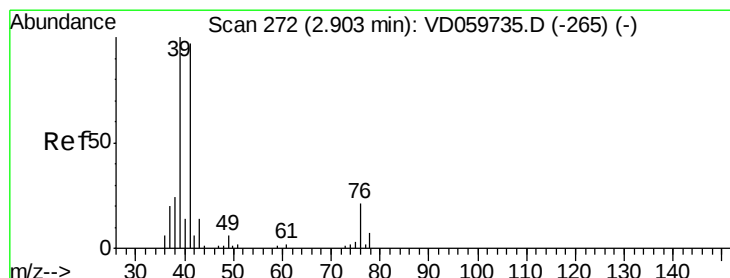
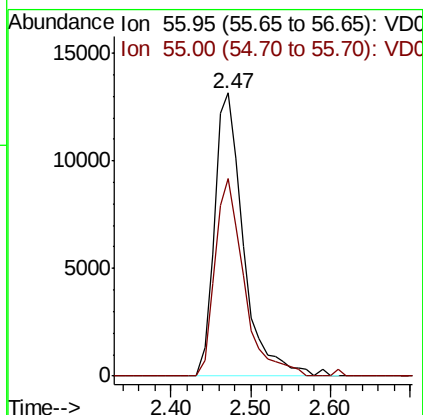
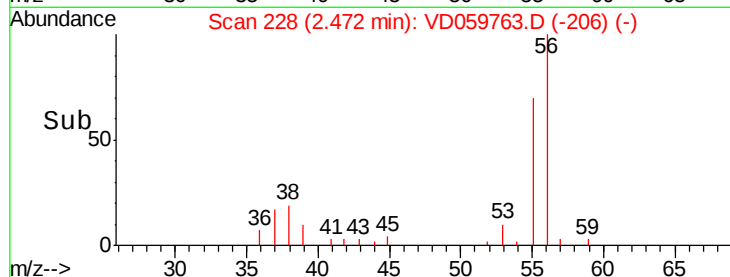
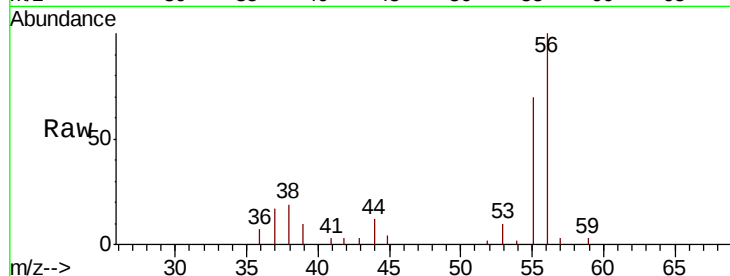
VSTDCCC050

Tot Ion: 56 Resp: 33654

Ion Ratio Lower Upper

56 100

55 69.7 61.4 92.2



#14

Allyl chloride

Concen: 53.39 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.02 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

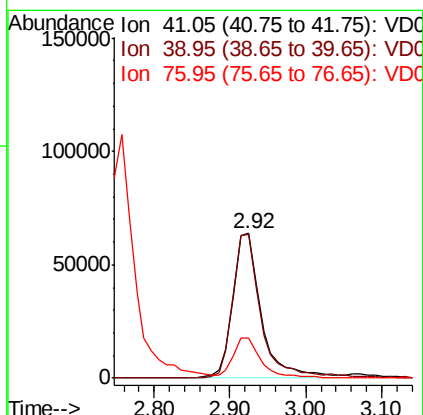
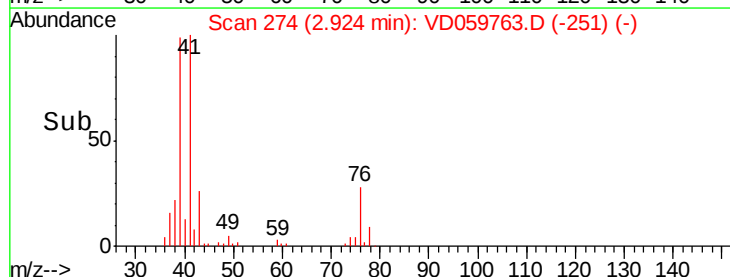
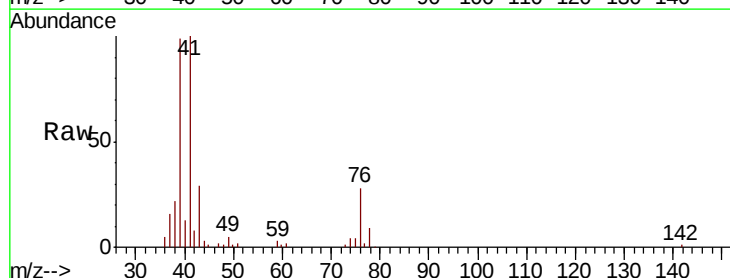
Tgt Ion: 41 Resp: 166529

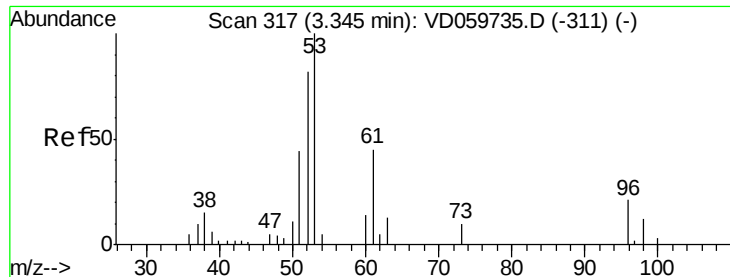
Ion Ratio Lower Upper

41 100

39 99.2 82.9 124.3

76 27.8 22.2 33.2





#15

Acrylonitrile

Concen: 342.68 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

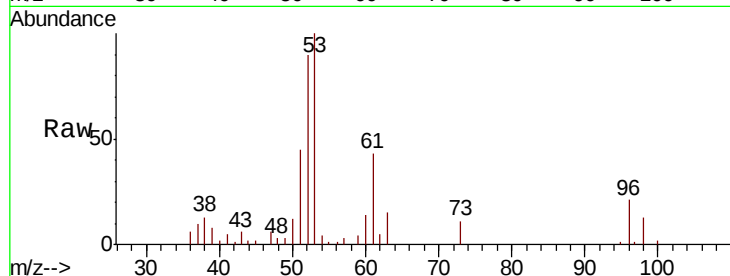
Tot Ion: 53 Resp: 115216

Ion Ratio Lower Upper

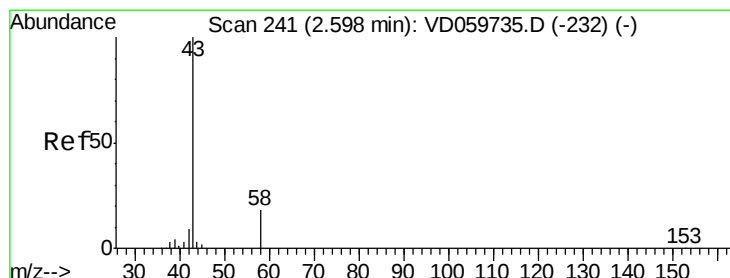
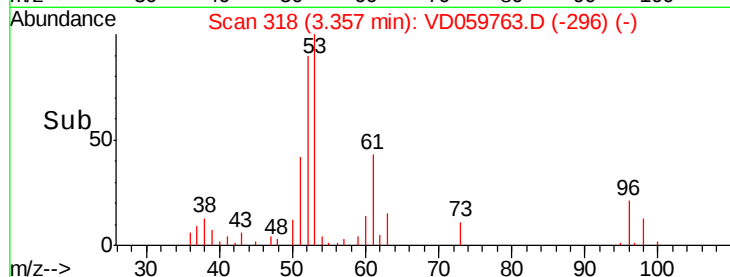
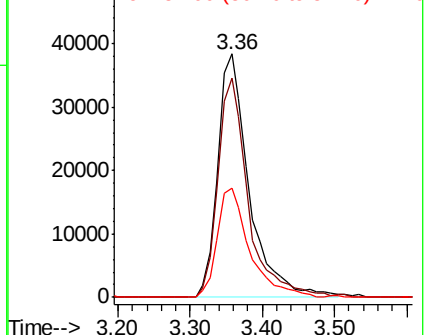
53 100

52 90.1 65.8 98.6

51 44.7 35.1 52.7



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



#16

Acetone

Concen: 291.95 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059763.D

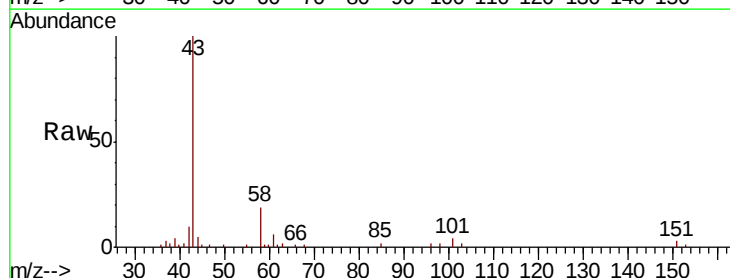
Acq: 14 Aug 2018 13:03

Tgt Ion: 43 Resp: 187175

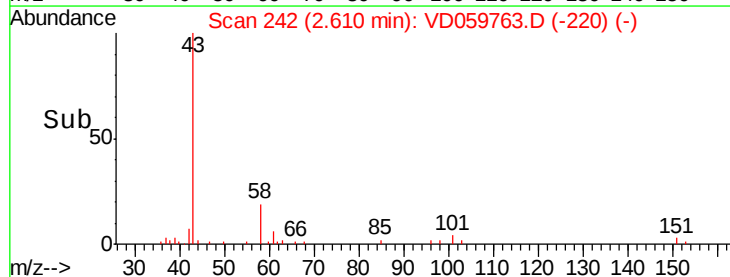
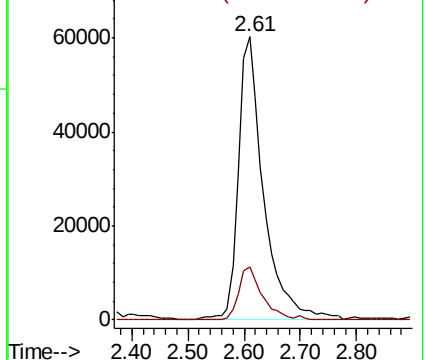
Ion Ratio Lower Upper

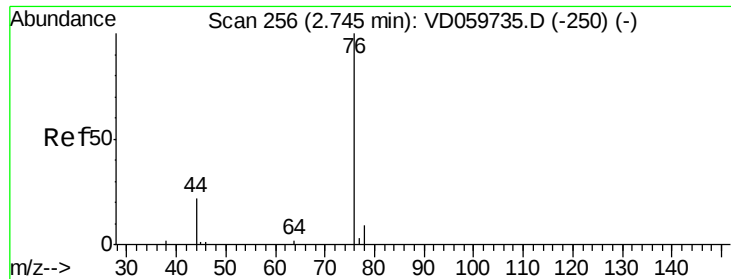
43 100

58 18.9 14.6 21.8



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

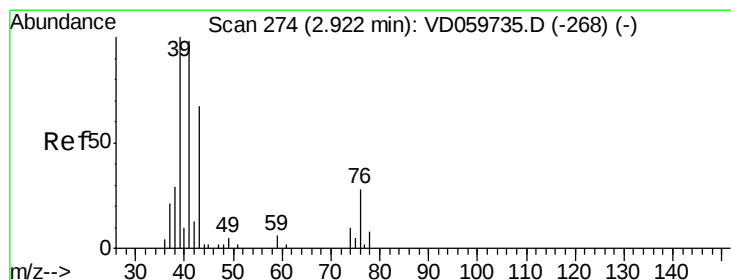
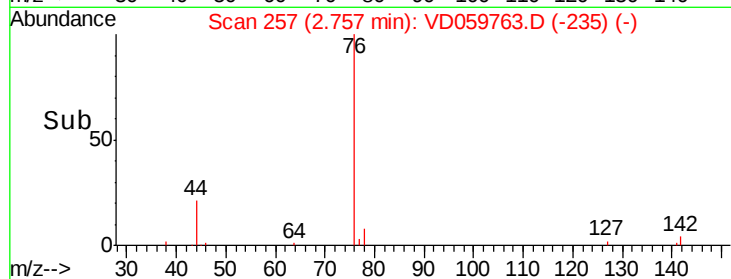
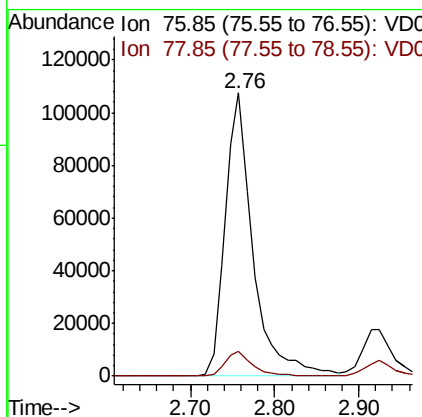
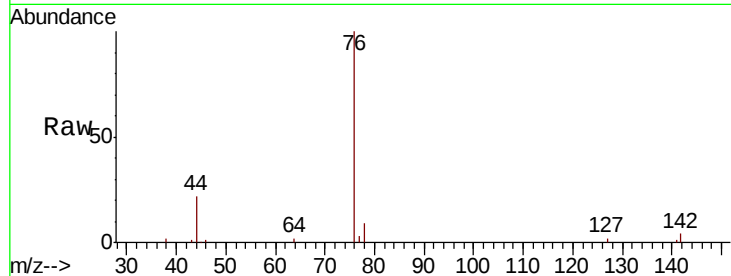




#17
Carbon Disulfide
Concen: 51.85 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

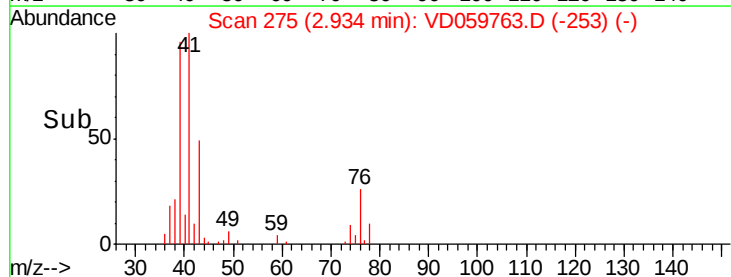
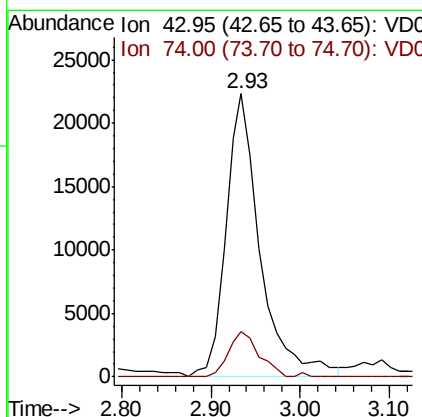
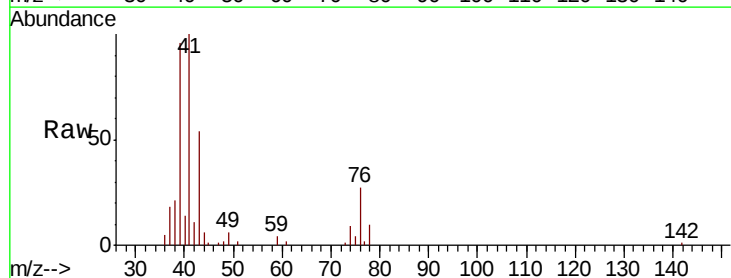
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

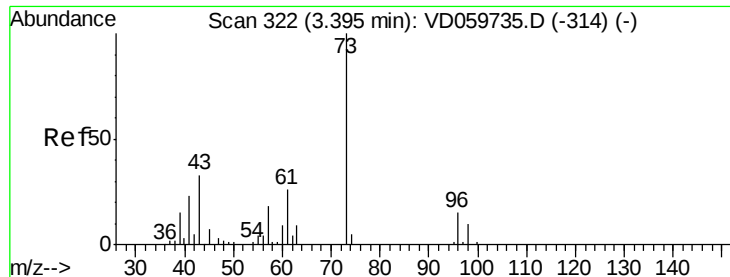
Tot Ion: 76 Resp: 245343
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 48.53 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 43 Resp: 59773
Ion Ratio Lower Upper
43 100
74 15.9 12.1 18.1



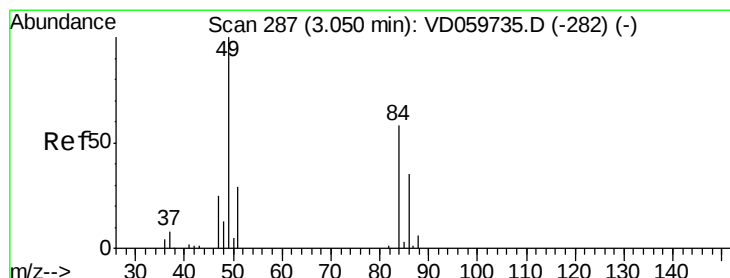
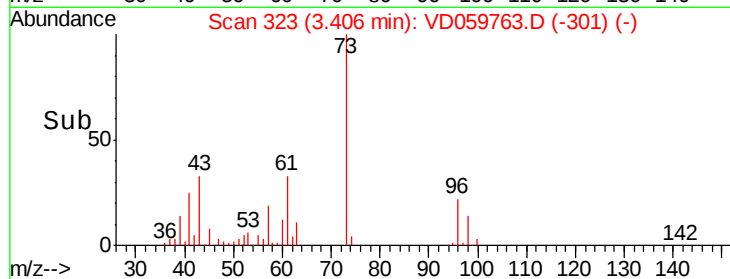
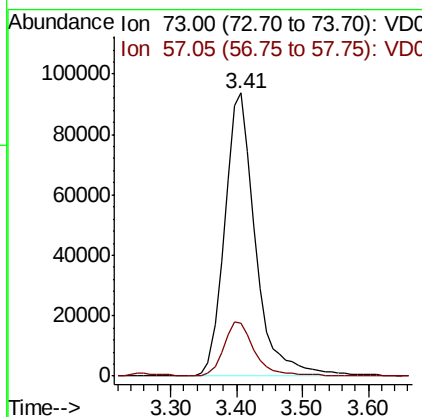
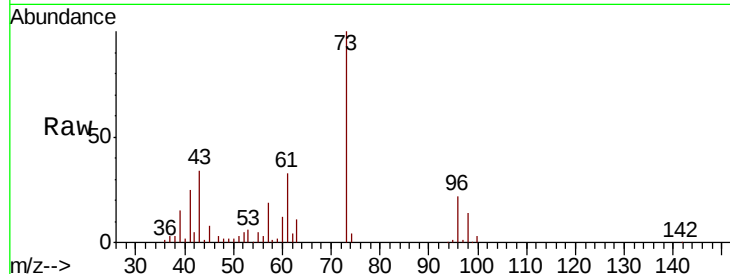


#19

Methyl tert-butyl Ether
 Concen: 55.23 ug/l
 RT: 3.41 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

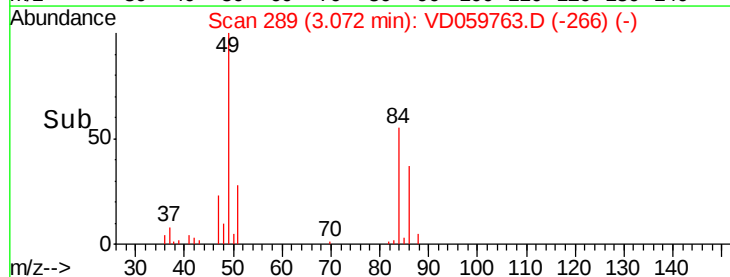
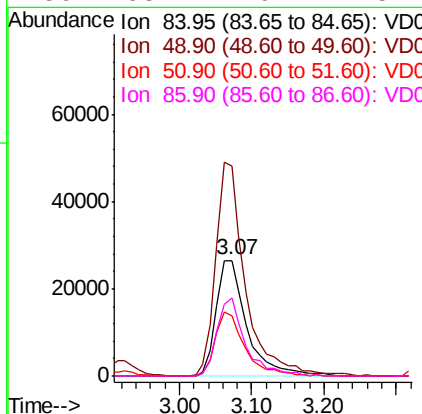
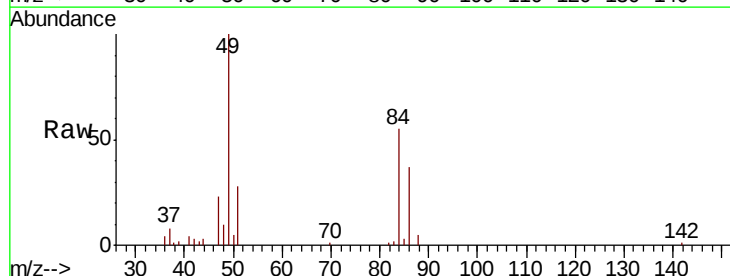
Tot Ion: 73 Resp: 305067
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.8 22.2

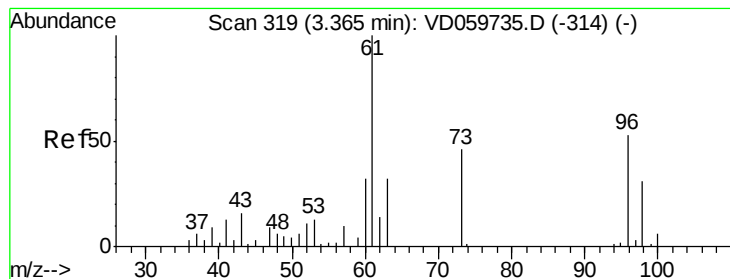


#20

Methylene Chloride
 Concen: 42.04 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.02 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 84 Resp: 77803
 Ion Ratio Lower Upper
 84 100
 49 182.0 138.9 208.3
 51 51.7 40.2 60.2
 86 68.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 70.99 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

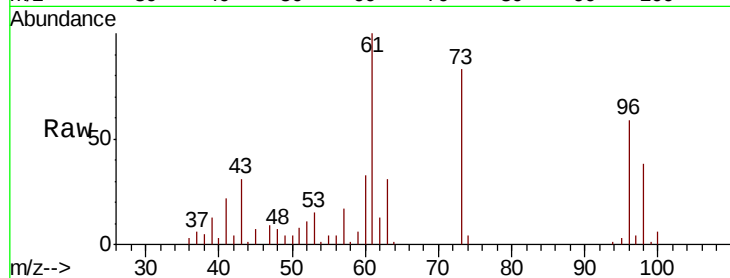
Tot Ion: 96 Resp: 127033

Ion Ratio Lower Upper

96 100

61 168.7 152.0 228.0

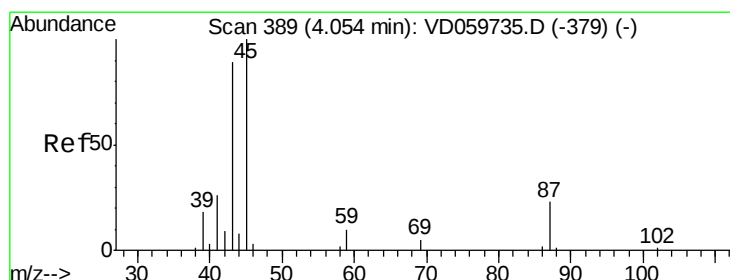
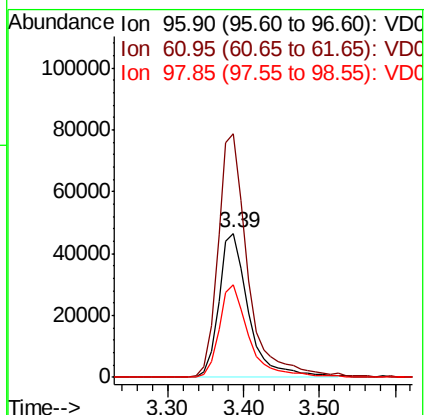
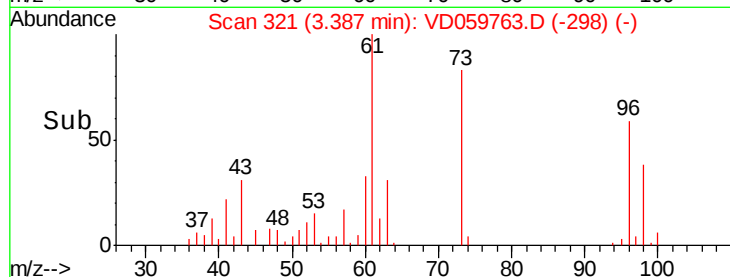
98 63.8 47.4 71.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 67.83 ug/l

RT: 4.07 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Tgt Ion: 45 Resp: 400083

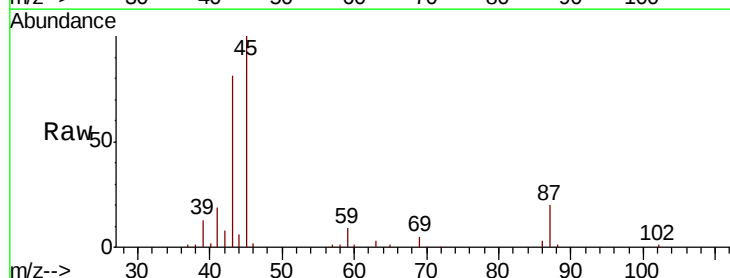
Ion Ratio Lower Upper

45 100

43 81.2 75.5 113.3

87 19.9 19.4 29.0

59 9.3 8.5 12.7

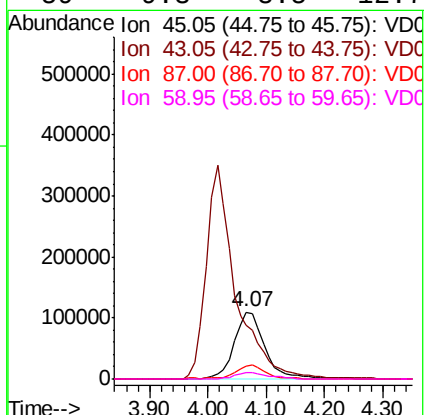
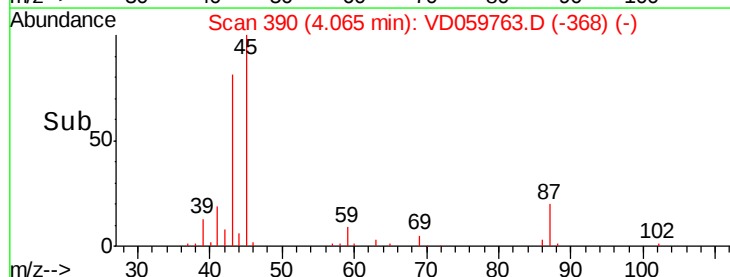


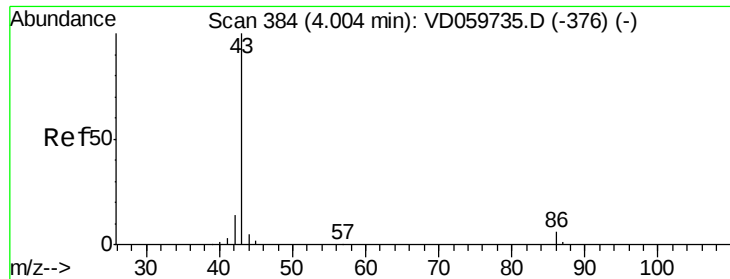
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 307.02 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

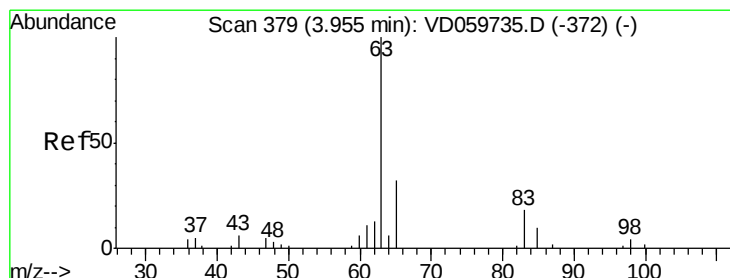
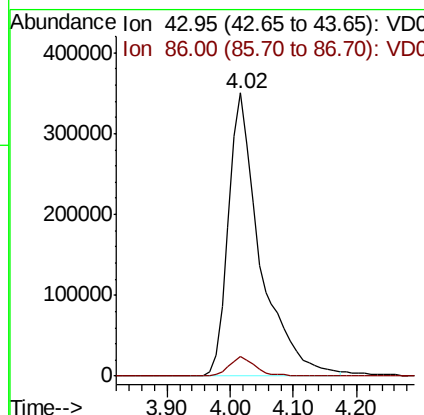
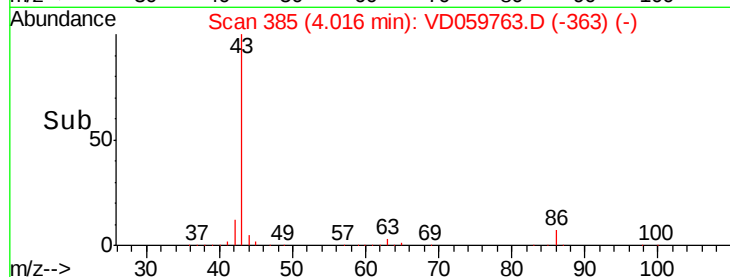
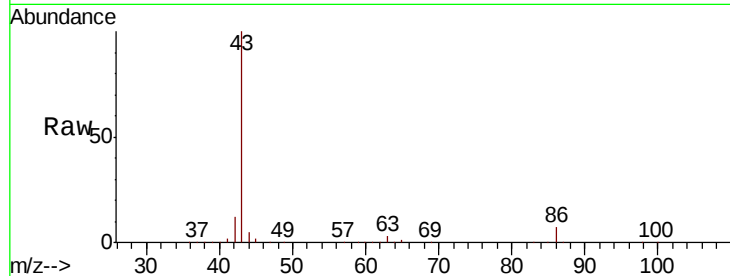
VSTDCCC050

Tot Ion: 43 Resp: 122520

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4



#24

1,1-Dichloroethane

Concen: 55.30 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

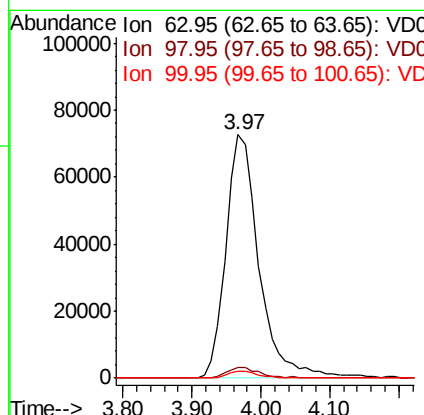
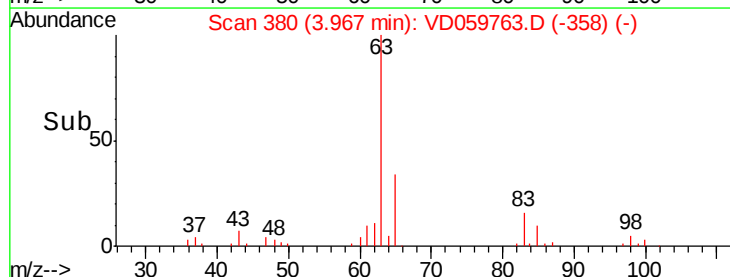
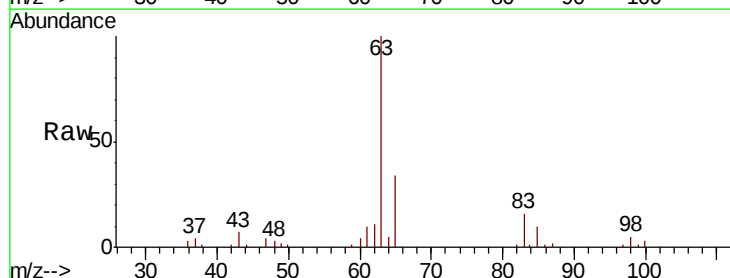
Tgt Ion: 63 Resp: 240904

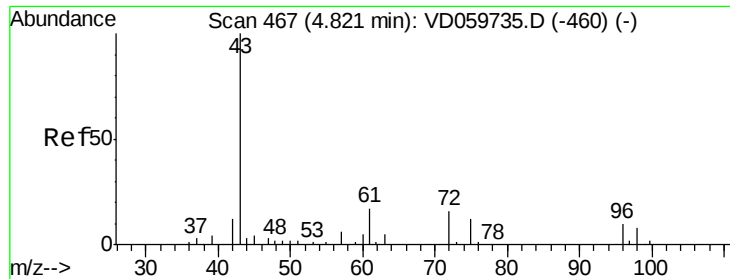
Ion Ratio Lower Upper

63 100

98 4.6 1.8 5.5

100 3.0 1.1 3.1





#25

2-Butanone

Concen: 355.59 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

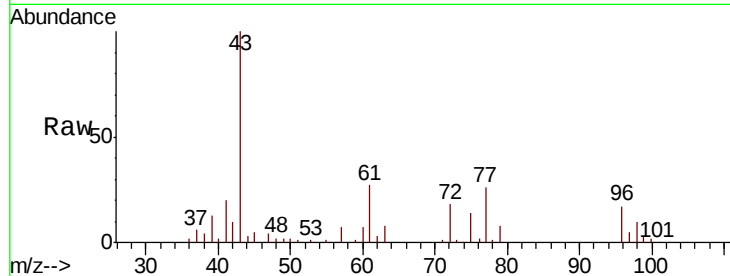
VSTDCCC050

Tot Ion: 43 Resp: 245036

Ion Ratio Lower Upper

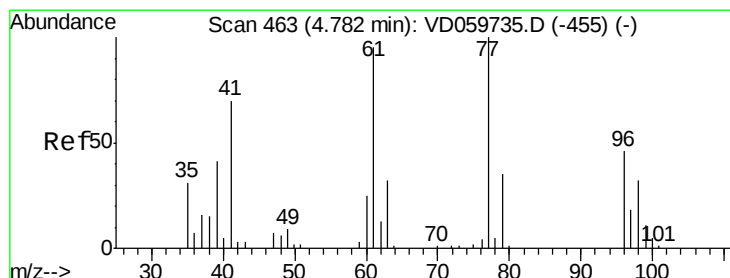
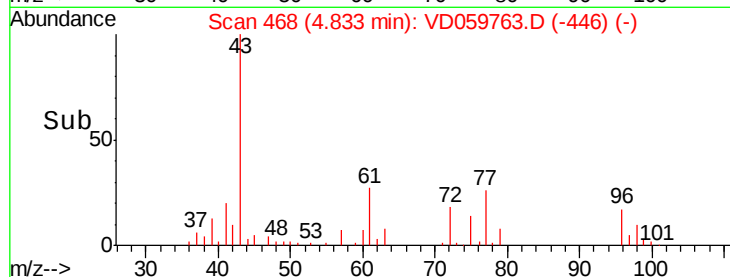
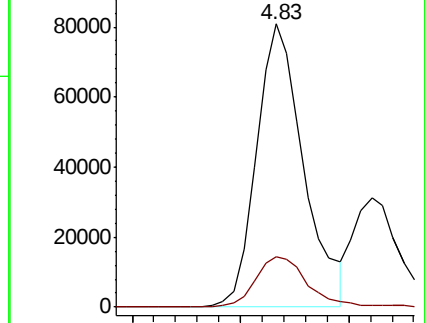
43 100

72 17.6 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.27 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059763.D

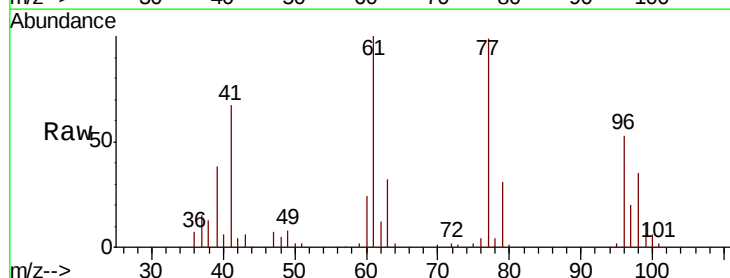
Acq: 14 Aug 2018 13:03

Tgt Ion: 77 Resp: 256022

Ion Ratio Lower Upper

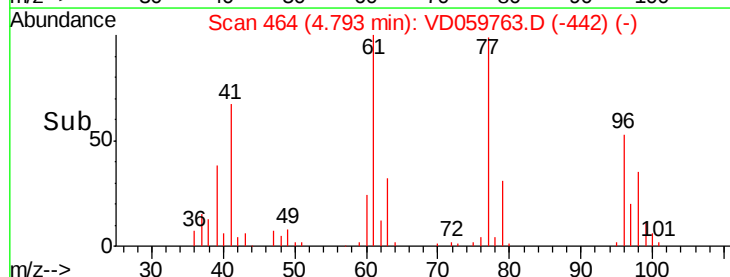
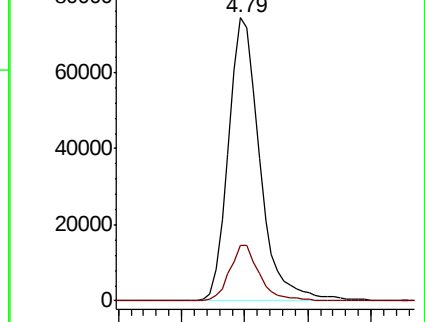
77 100

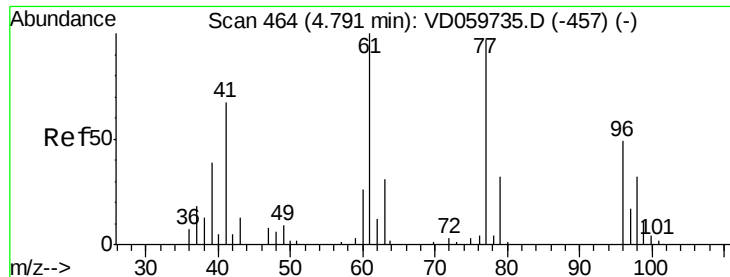
97 19.8 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



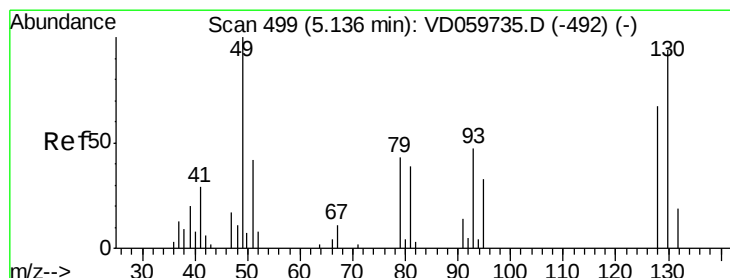
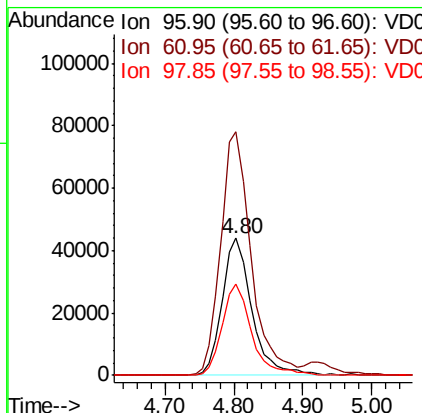
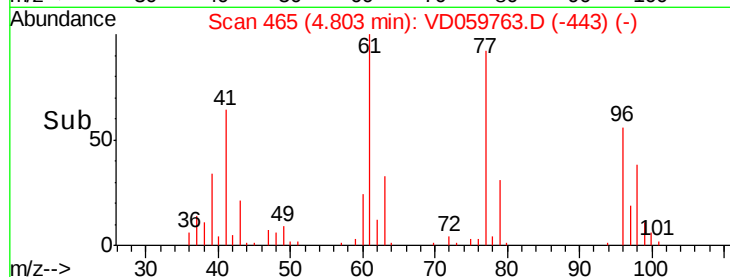
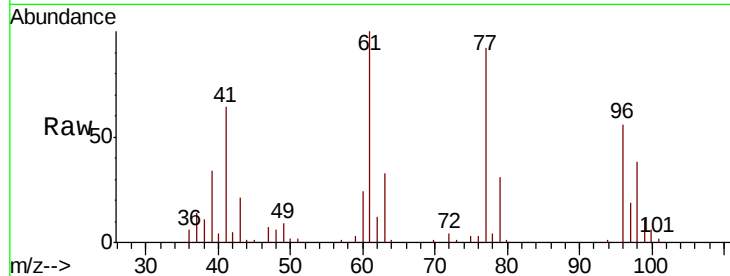


#27

cis-1,2-Dichloroethene
 Concen: 60.63 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

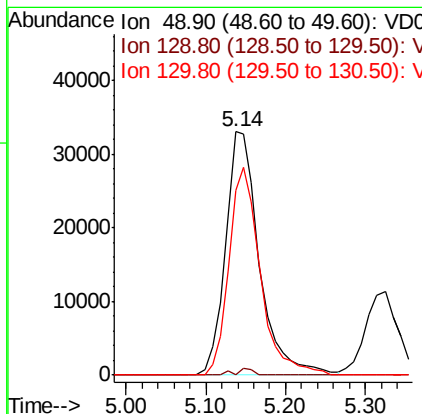
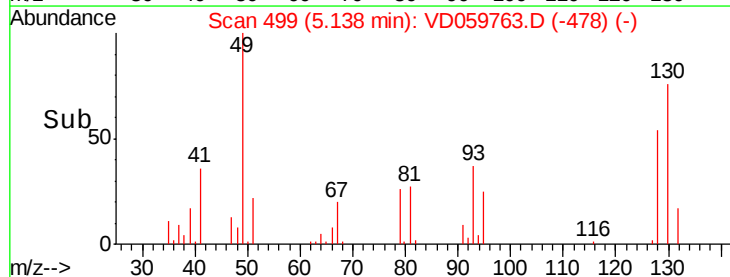
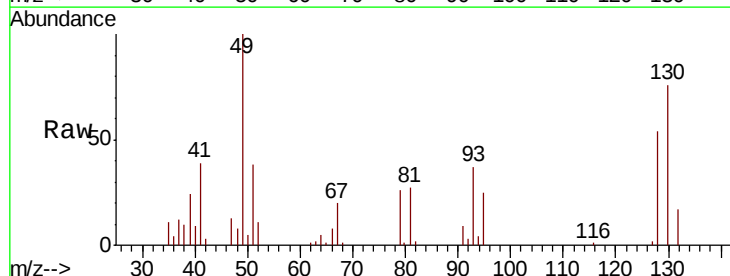
Tot Ion: 96 Resp: 131251
 Ion Ratio Lower Upper
 96 100
 61 177.8 0.0 409.8
 98 66.8 0.0 132.8

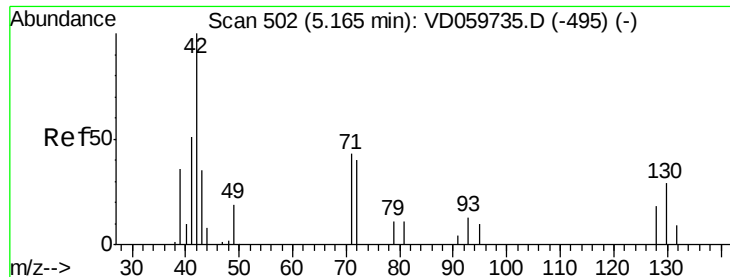


#28

Bromochloromethane
 Concen: 62.41 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 49 Resp: 97909
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 75.9 75.0 112.6

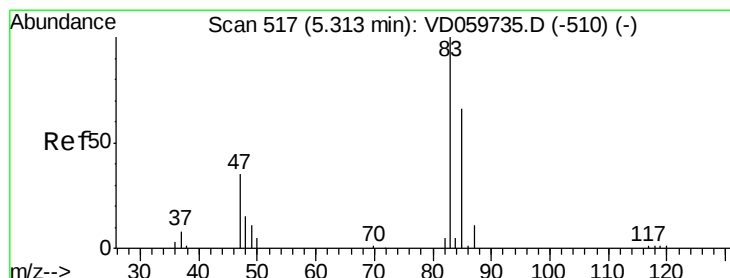
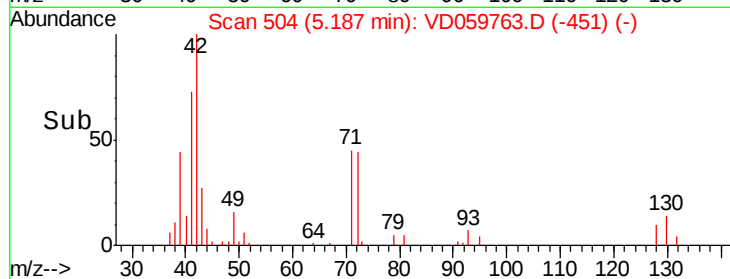
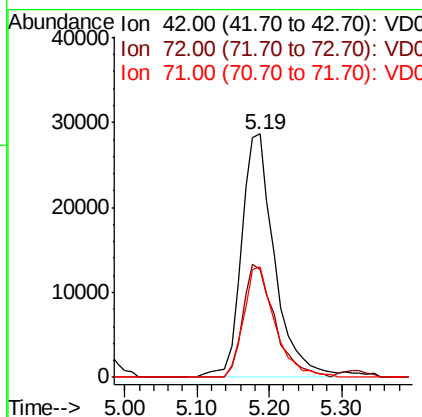
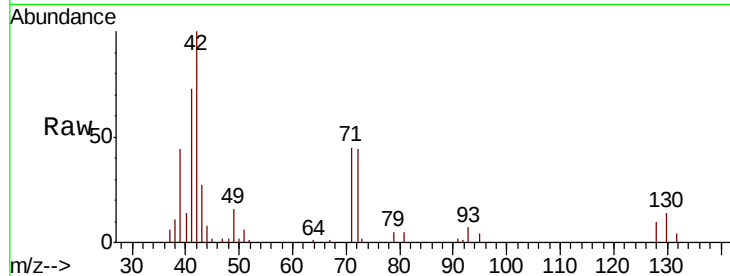




#29
Tetrahydrofuran
Concen: 354.75 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

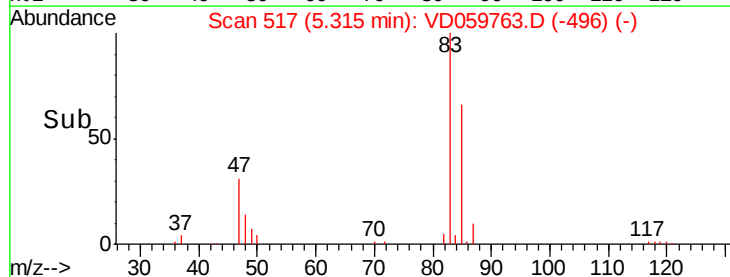
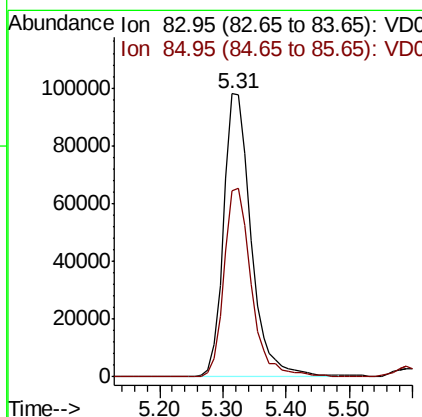
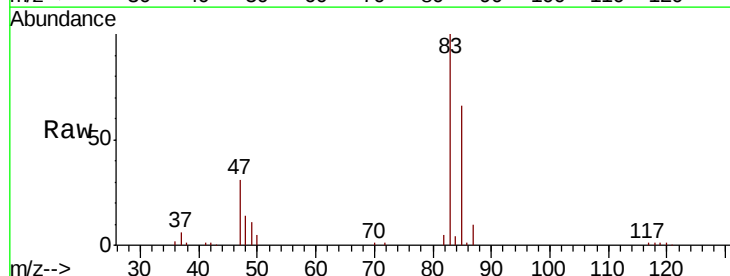
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

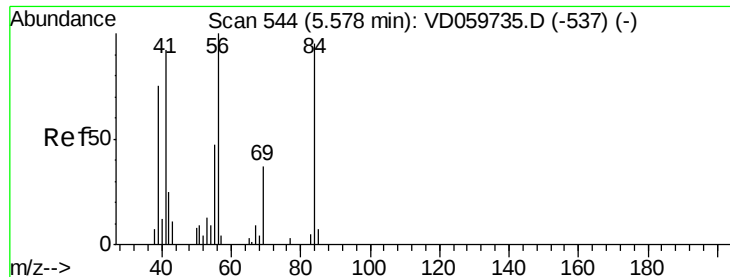
Tot Ion: 42 Resp: 91406
Ion Ratio Lower Upper
42 100
72 44.6 35.3 52.9
71 43.5 37.1 55.7



#30
Chloroform
Concen: 51.57 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 83 Resp: 296791
Ion Ratio Lower Upper
83 100
85 65.8 52.9 79.3

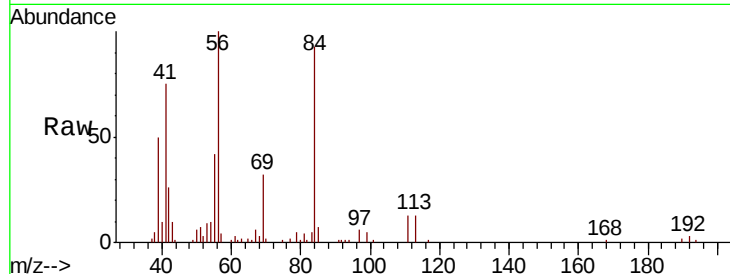




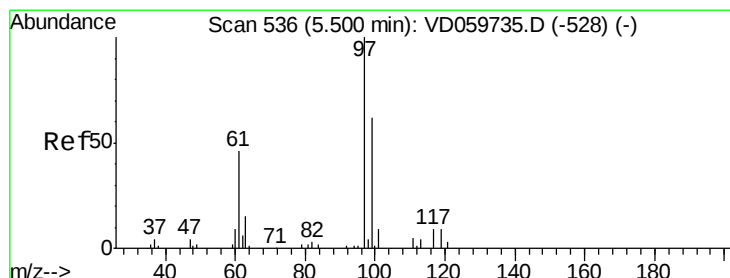
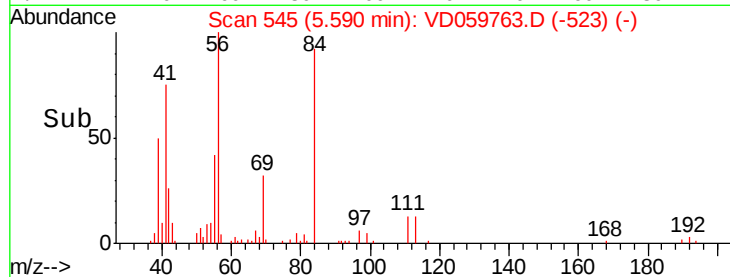
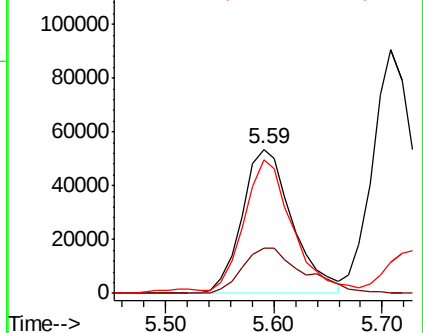
#31
Cyclohexane
Concen: 68.63 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 173563
Ion Ratio Lower Upper
56 100
69 31.5 29.3 43.9
84 92.7 76.2 114.2

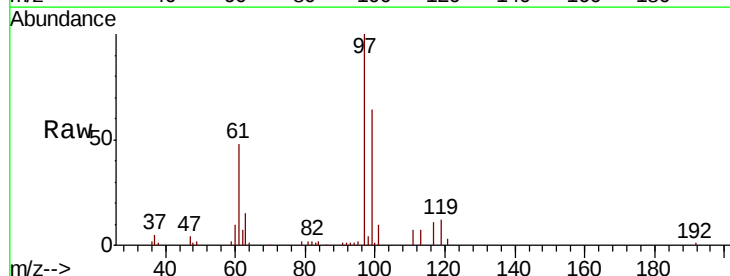


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

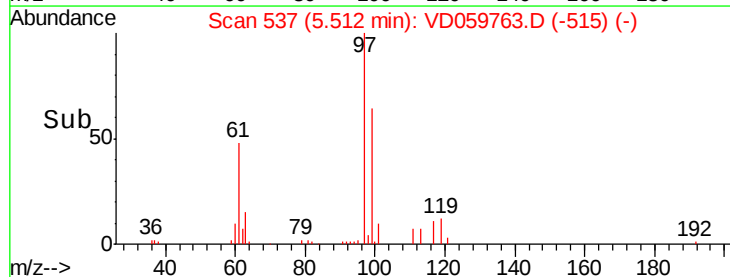
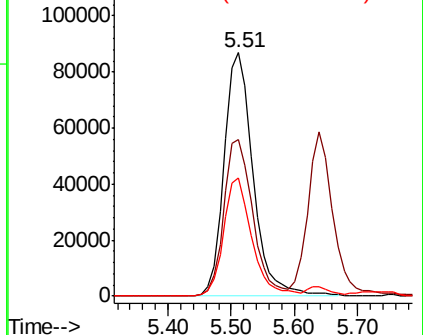


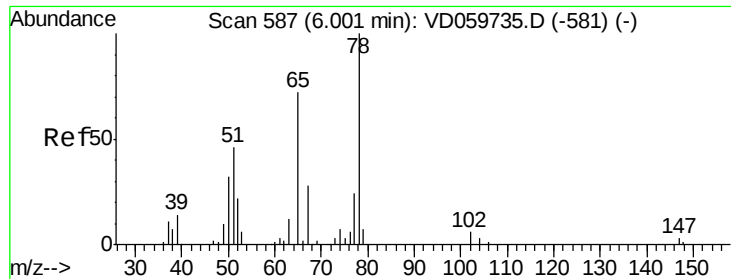
#32
1,1,1-Trichloroethane
Concen: 46.44 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 97 Resp: 277039
Ion Ratio Lower Upper
97 100
99 64.5 49.8 74.6
61 48.4 37.0 55.4



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

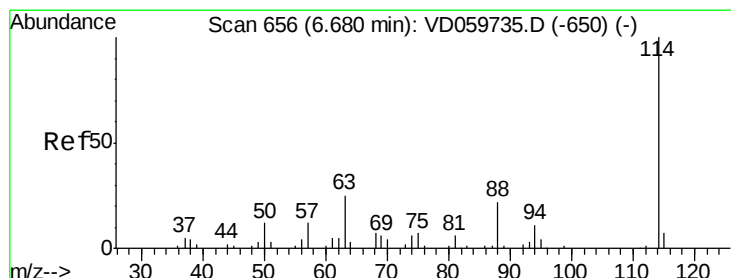
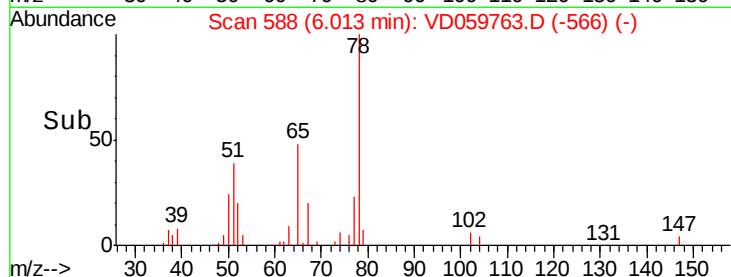
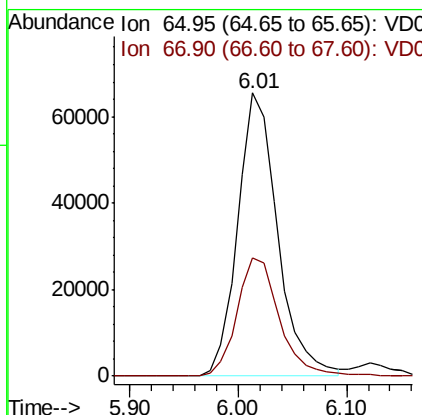
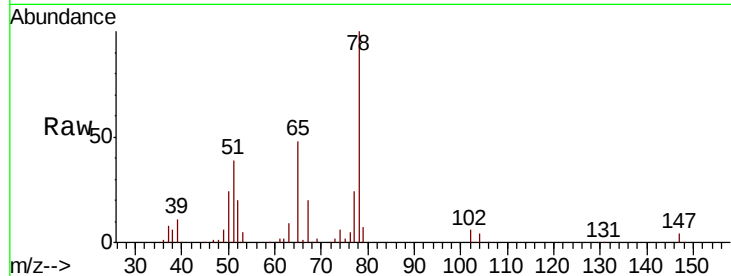




#33
 1,2-Dichloroethane-d4
 Concen: 46.44 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

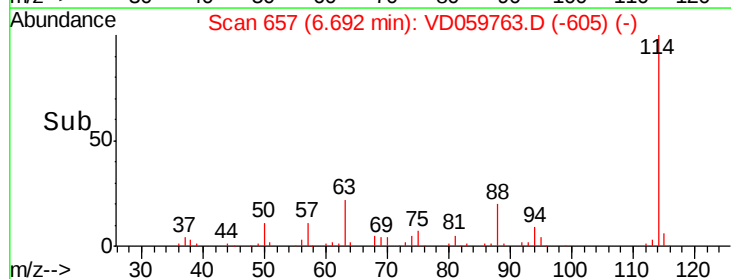
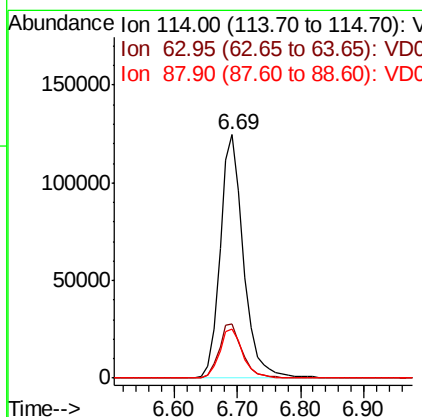
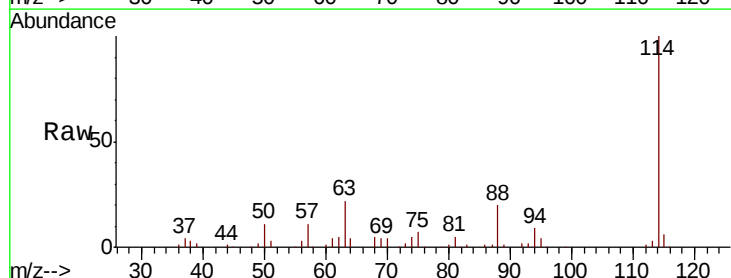
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

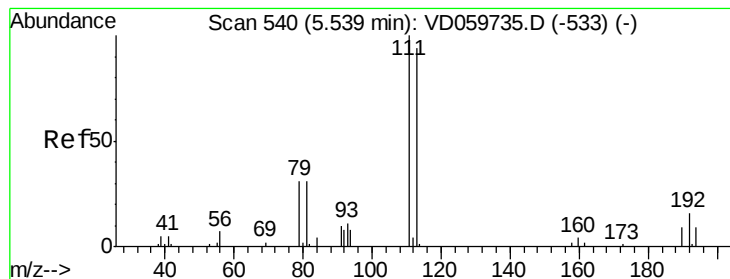
Tot Ion: 65 Resp: 168069
 Ion Ratio Lower Upper
 65 100
 67 42.0 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 114 Resp: 319481
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 50.6
 88 20.3 0.0 43.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

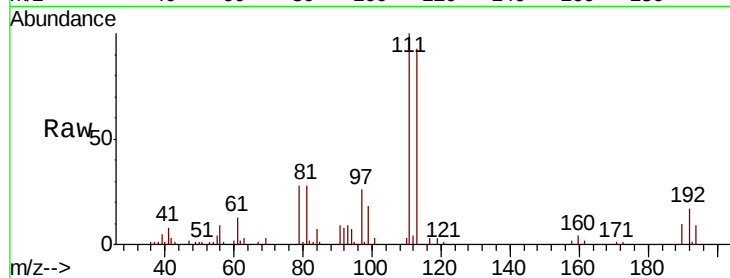
Tot Ion:113 Resp: 151279

Ion Ratio Lower Upper

113 100

111 107.3 85.3 127.9

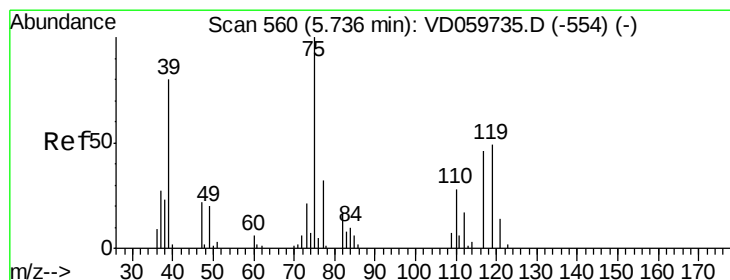
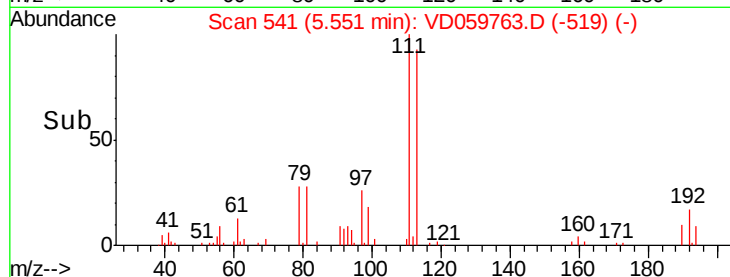
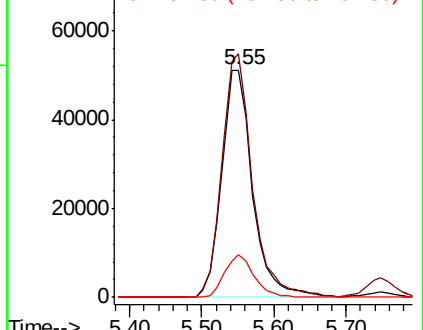
192 18.6 13.9 20.9



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.55 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

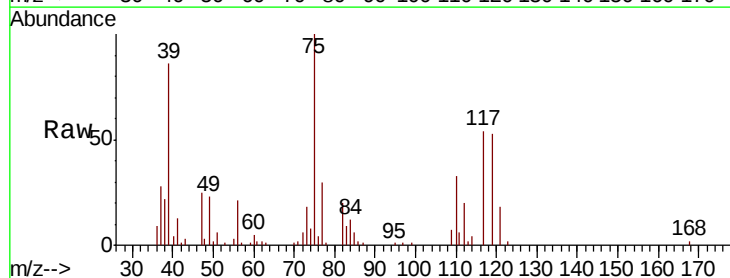
Tgt Ion: 75 Resp: 194874

Ion Ratio Lower Upper

75 100

110 33.1 13.7 41.0

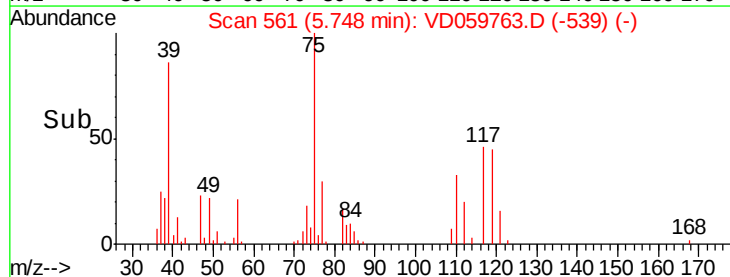
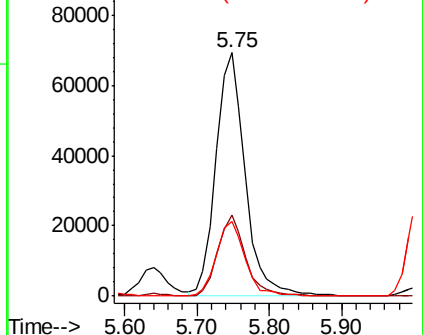
77 30.4 25.4 38.2

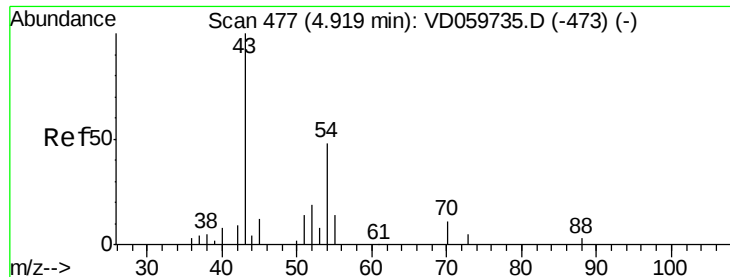


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

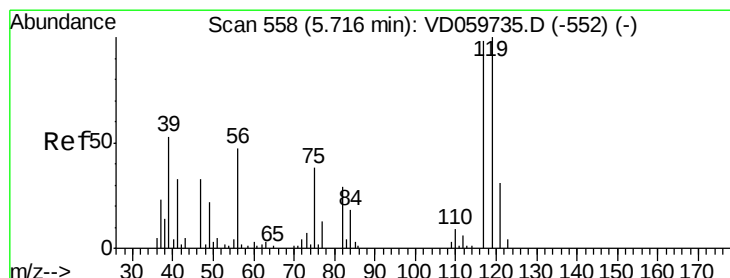
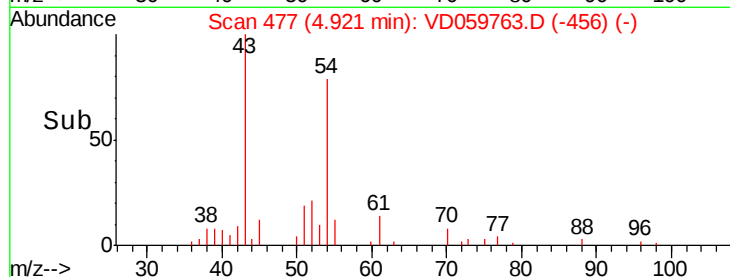
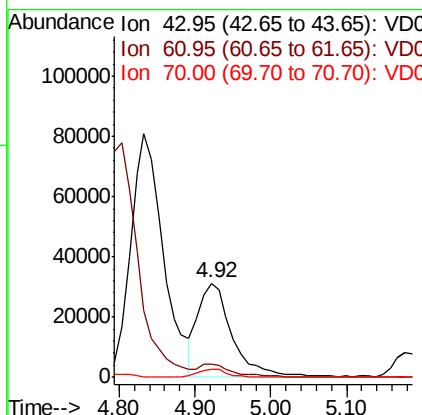
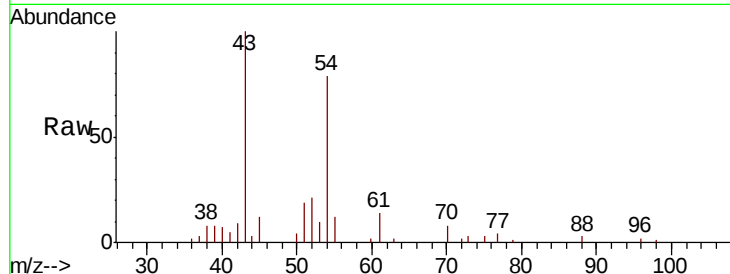




#37
Ethyl Acetate
Concen: 60.59 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

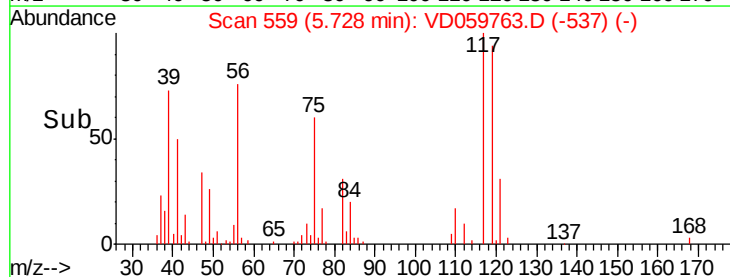
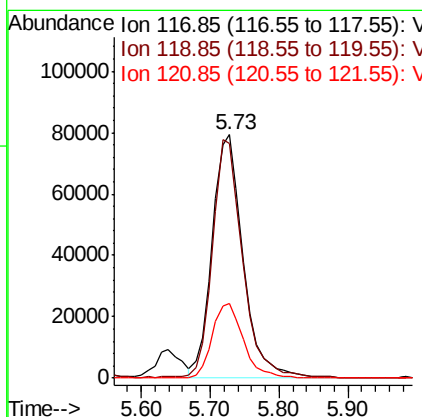
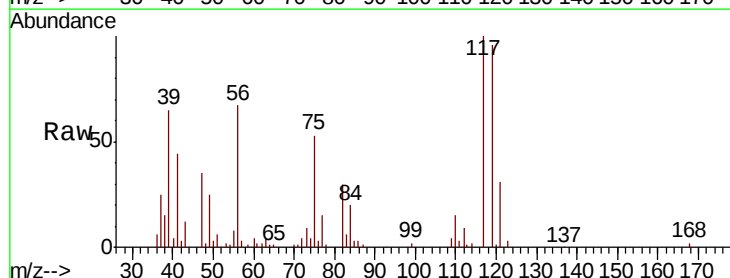
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

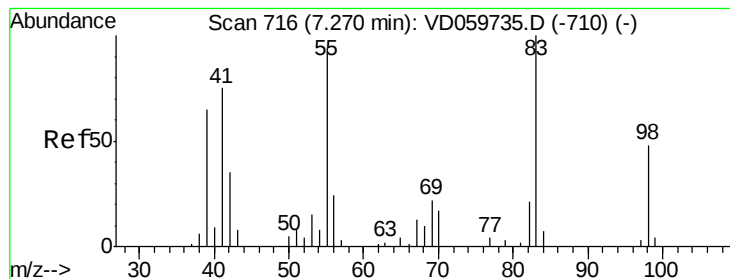
Tot Ion: 43 Resp: 98818
Ion Ratio Lower Upper
43 100
61 14.0 7.4 11.0#
70 8.2 5.8 8.8



#38
Carbon Tetrachloride
Concen: 42.29 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 117 Resp: 246758
Ion Ratio Lower Upper
117 100
119 96.2 78.2 117.2
121 30.6 23.9 35.9





#39

Methylcyclohexane

Concen: 63.94 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

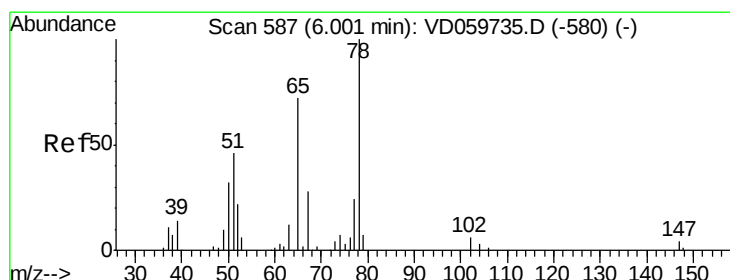
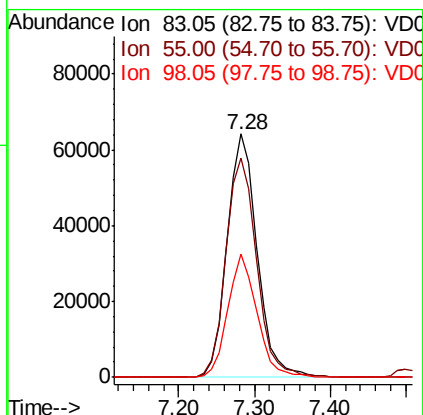
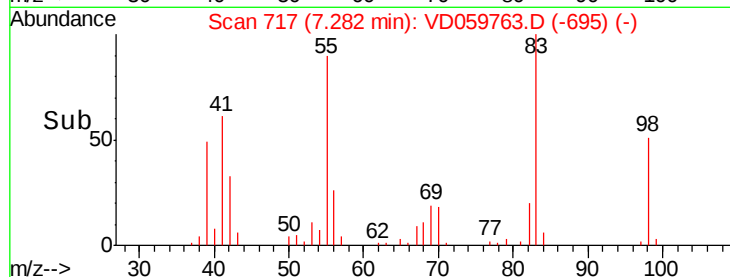
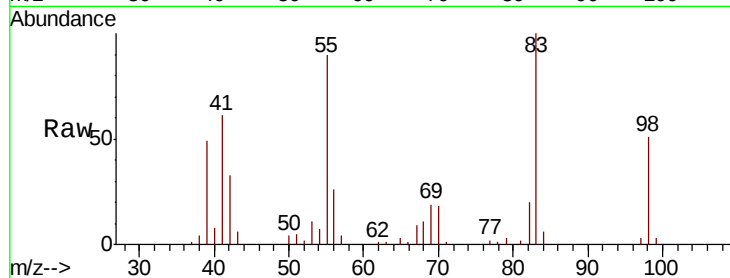
Tot Ion: 83 Resp: 175683

Ion Ratio Lower Upper

83 100

55 89.9 75.1 112.7

98 50.6 38.7 58.1



#40

Benzene

Concen: 60.74 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059763.D

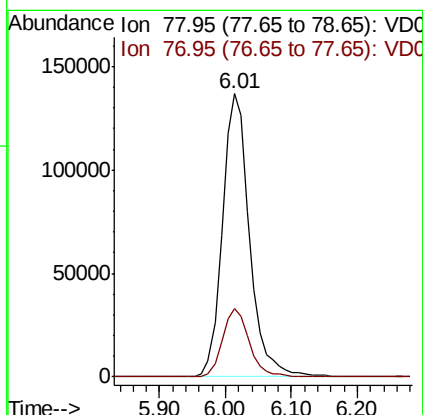
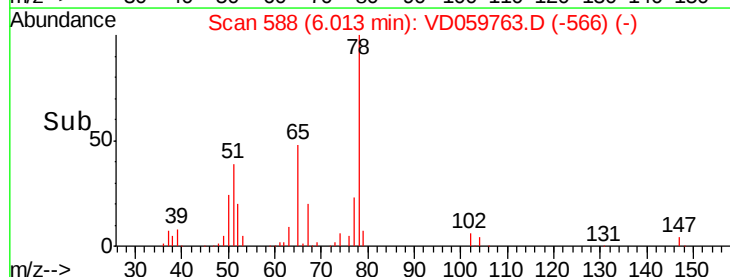
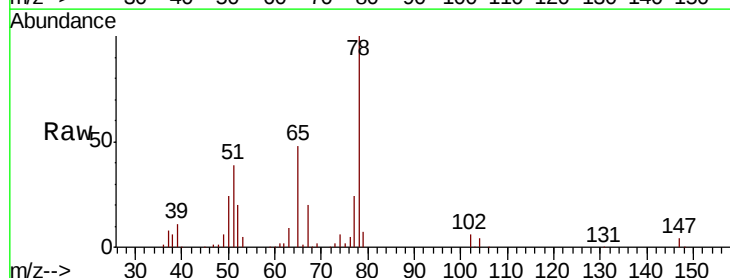
Acq: 14 Aug 2018 13:03

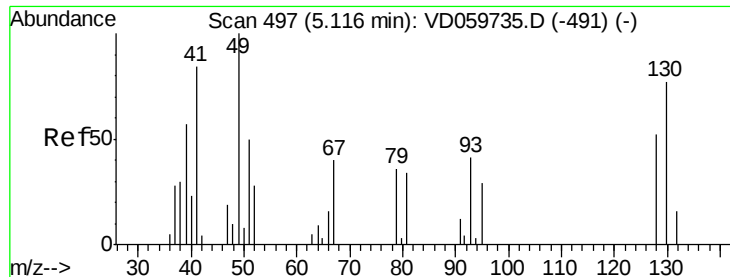
Tgt Ion: 78 Resp: 392474

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.0





#41

Methacrylonitrile

Concen: 62.03 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 47552

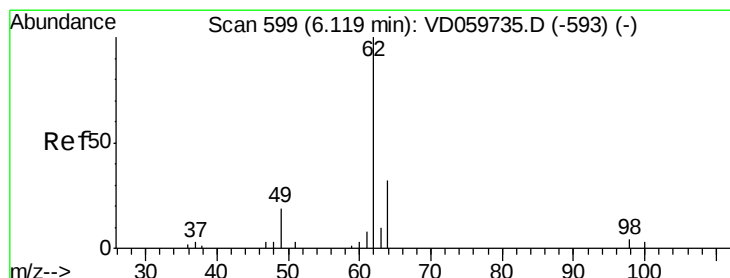
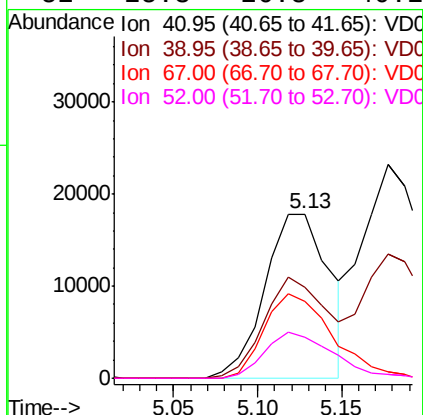
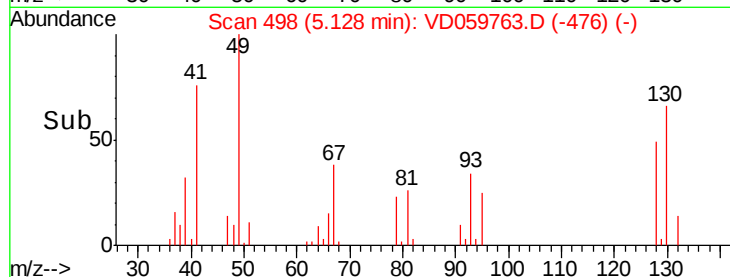
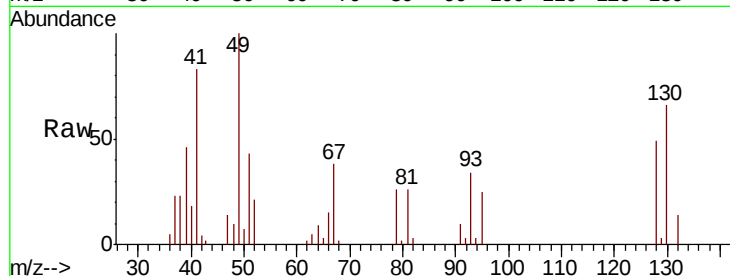
Ion Ratio Lower Upper

41 100

39 55.4 54.3 81.5

67 46.5 38.2 57.2

52 25.3 26.8 40.2#



#42

1,2-Dichloroethane

Concen: 43.43 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059763.D

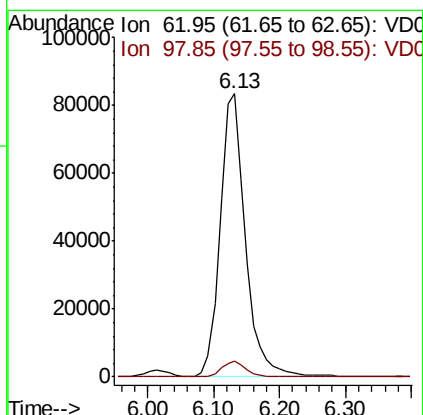
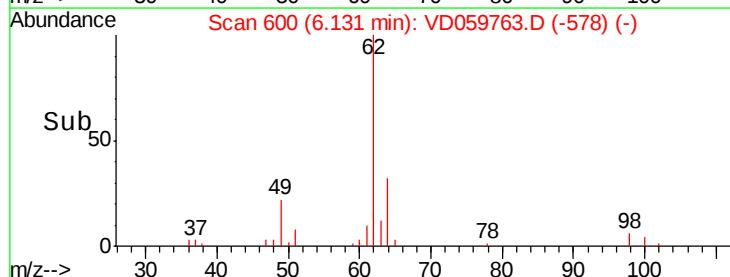
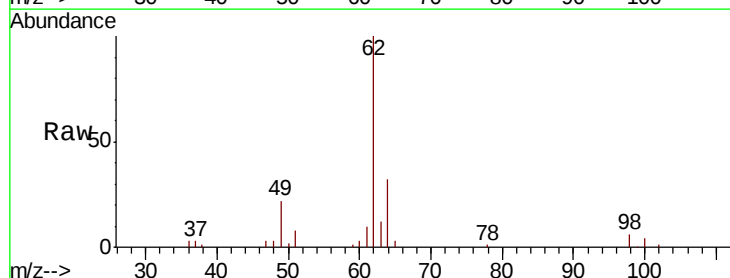
Acq: 14 Aug 2018 13:03

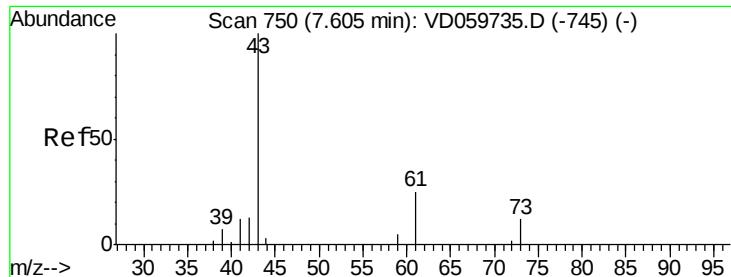
Tgt Ion: 62 Resp: 222573

Ion Ratio Lower Upper

62 100

98 5.7 0.0 8.2



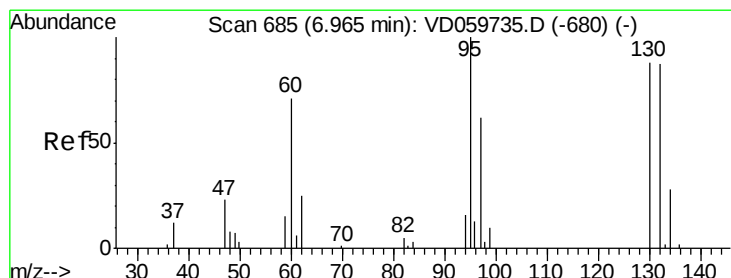
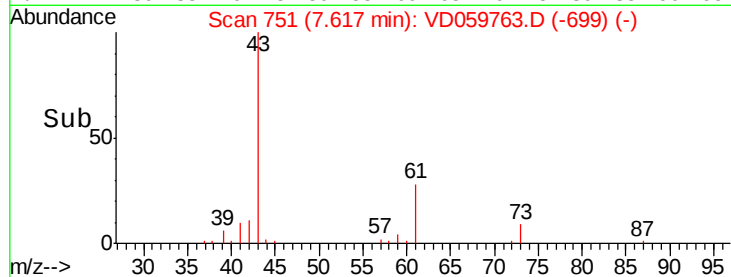
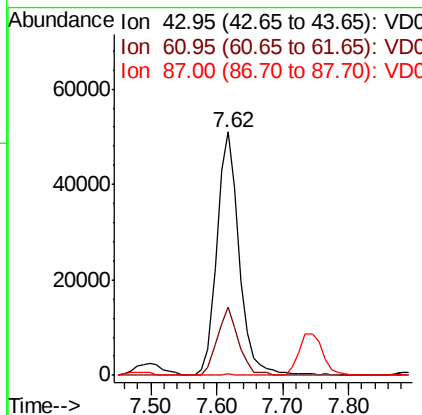
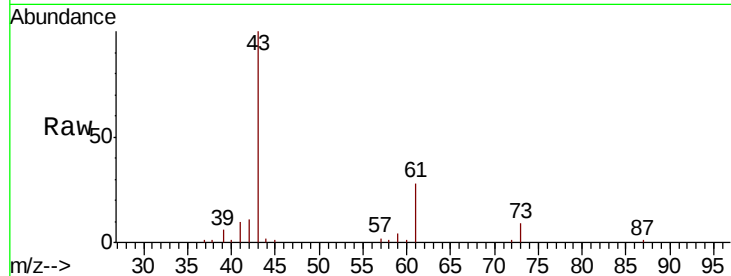


#43

Isopropyl Acetate
 Concen: 58.11 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

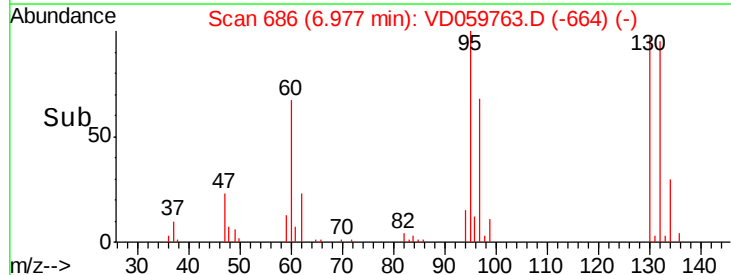
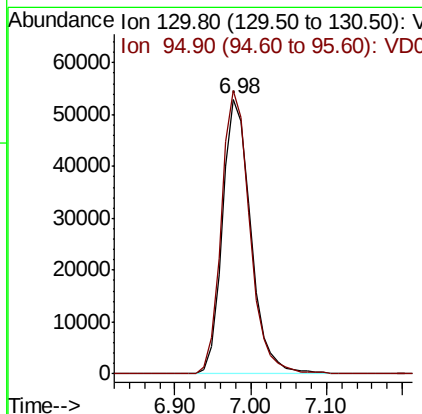
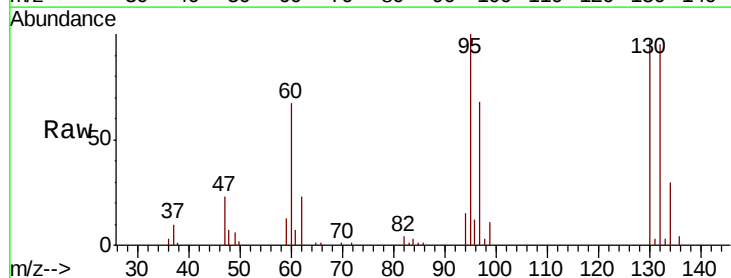
Tot Ion: 43 Resp: 119405
 Ion Ratio Lower Upper
 43 100
 61 28.2 19.8 29.8
 87 0.6 0.0 0.0#

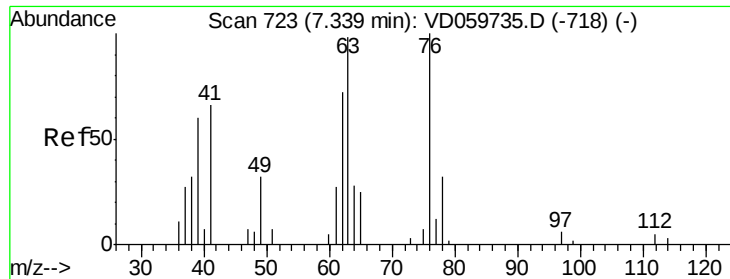


#44

Trichloroethene
 Concen: 52.68 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion:130 Resp: 137288
 Ion Ratio Lower Upper
 130 100
 95 103.1 0.0 226.4





#45

1,2-Dichloropropane

Concen: 63.05 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

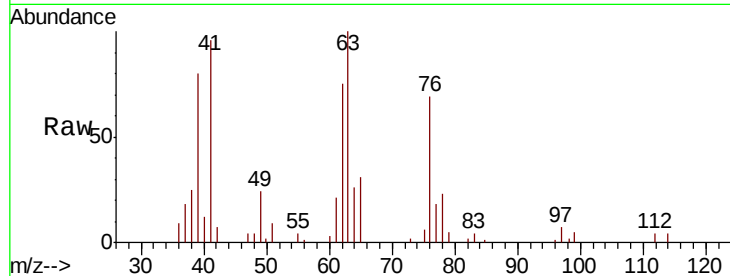
VSTDCCC050

Tot Ion: 63 Resp: 103767

Ion Ratio Lower Upper

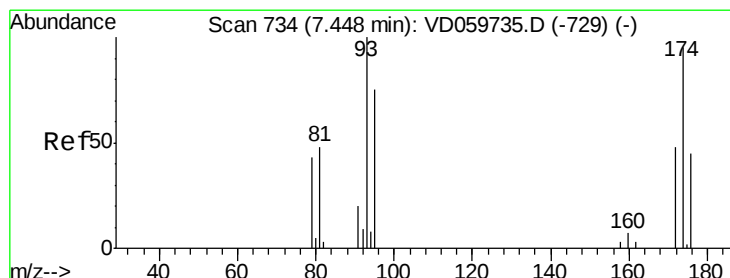
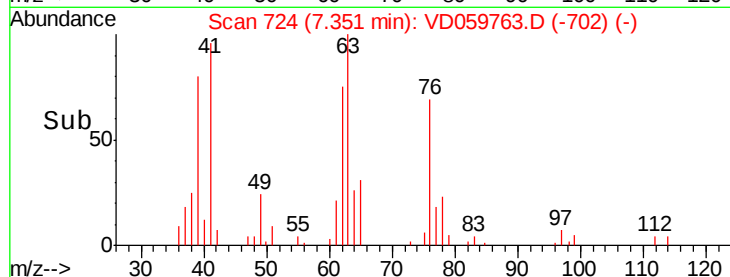
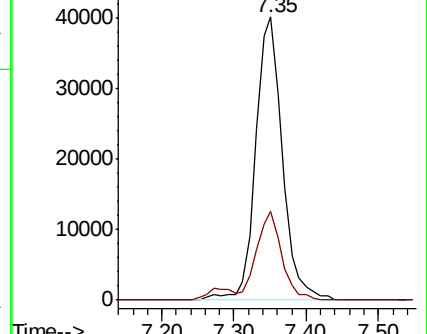
63 100

65 31.3 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.57 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

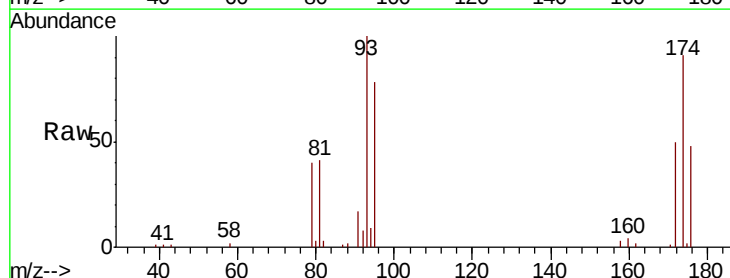
Tgt Ion: 93 Resp: 84902

Ion Ratio Lower Upper

93 100

95 77.7 60.2 90.2

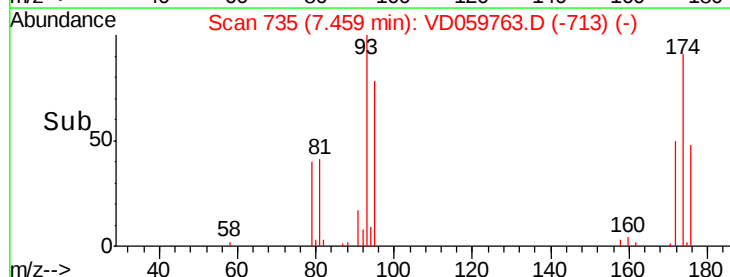
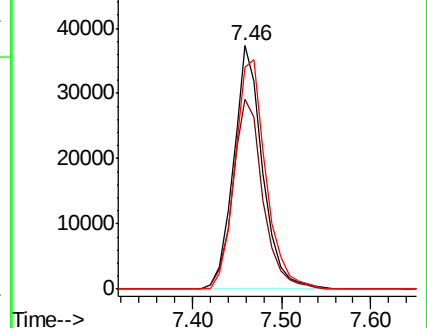
174 91.3 75.6 113.4

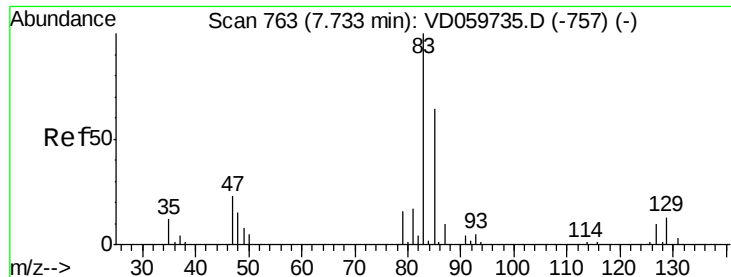


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 46.00 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

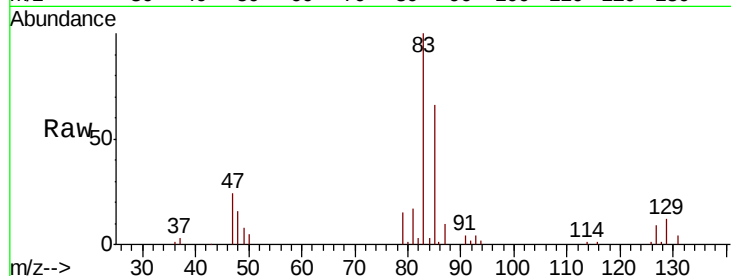
Tot Ion: 83 Resp: 212460

Ion Ratio Lower Upper

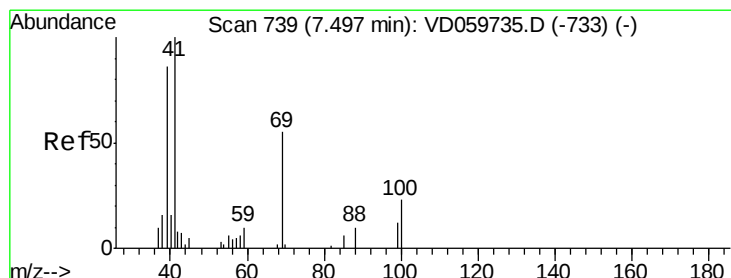
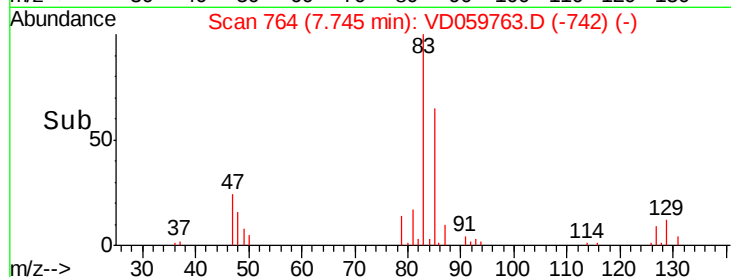
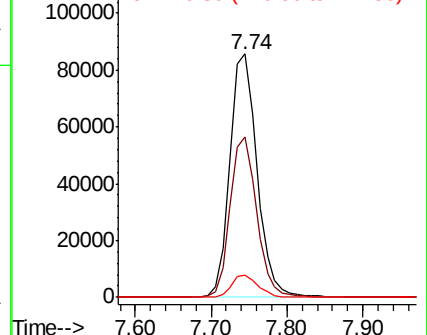
83 100

85 65.8 51.6 77.4

127 9.0 7.7 11.5



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



#48

Methyl methacrylate

Concen: 54.25 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

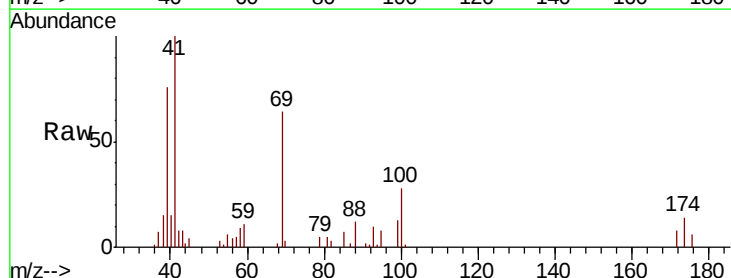
Tgt Ion: 41 Resp: 81356

Ion Ratio Lower Upper

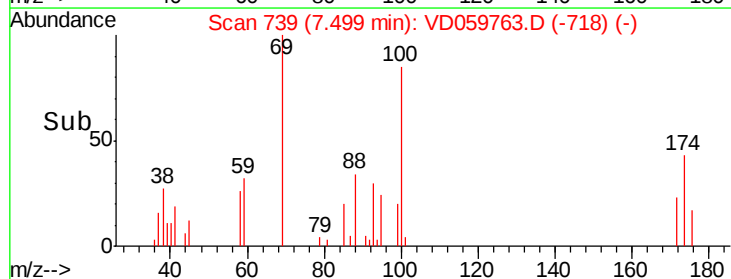
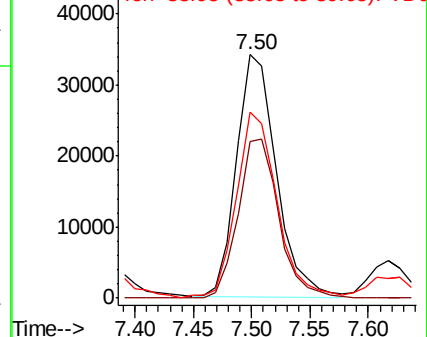
41 100

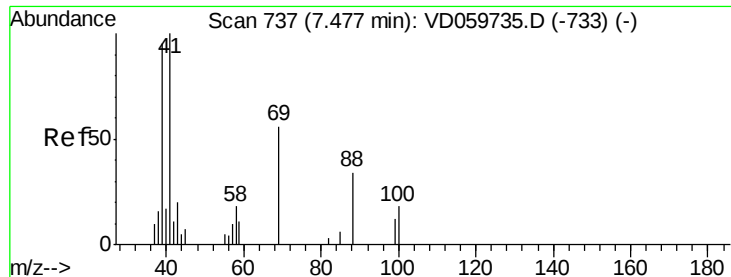
69 64.2 43.8 65.6

39 76.2 69.1 103.7



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





#49

1,4-Dioxane

Concen: 1283.26 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

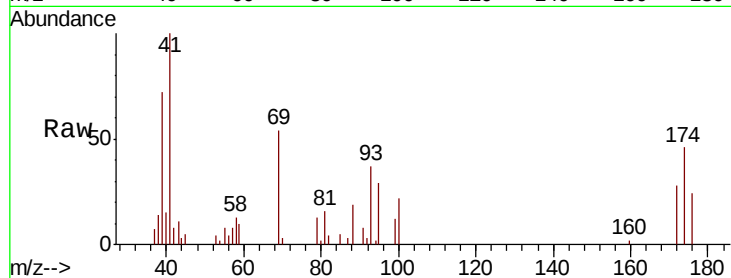
Tot Ion: 88 Resp: 13605

Ion Ratio Lower Upper

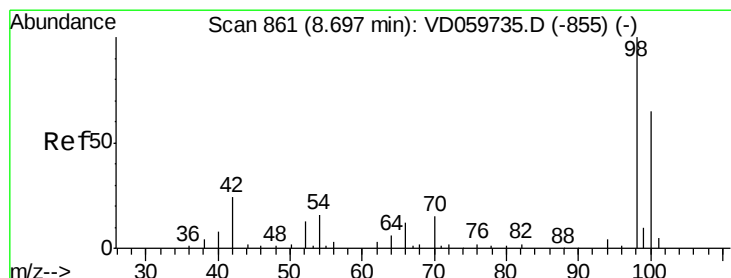
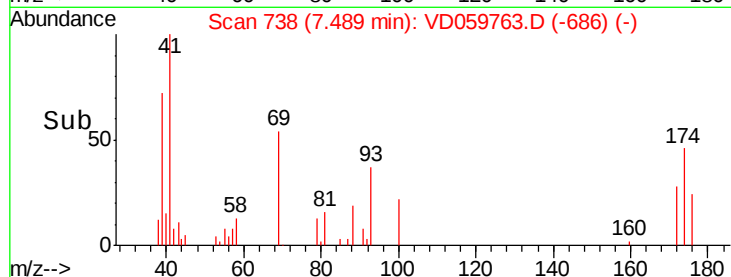
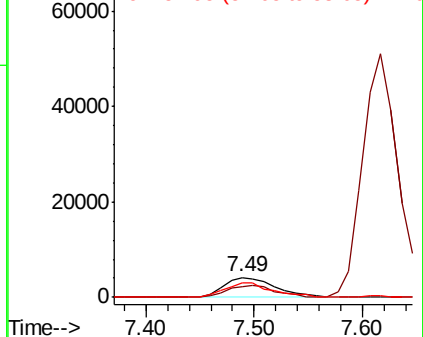
88 100

43 56.1 46.7 70.1

58 69.2 42.1 63.1#



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



#50

Toluene-d8

Concen: 1283.26 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059763.D

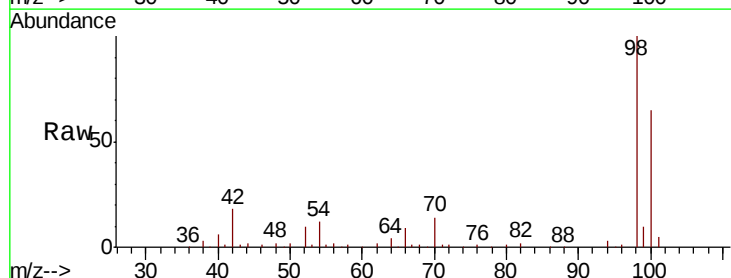
Acq: 14 Aug 2018 13:03

Tgt Ion: 98 Resp: 356961

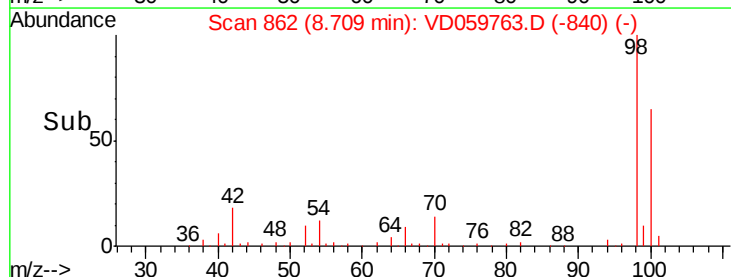
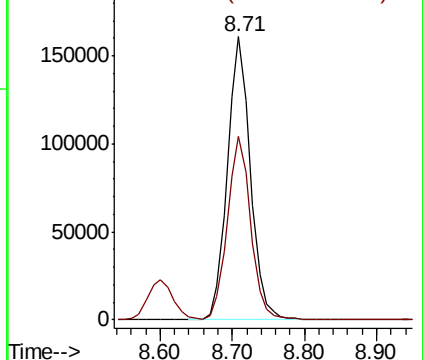
Ion Ratio Lower Upper

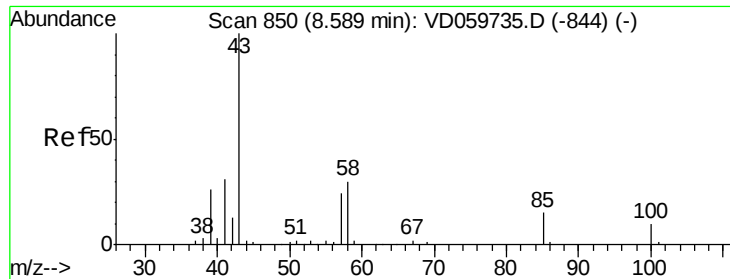
98 100

100 64.7 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 316.80 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

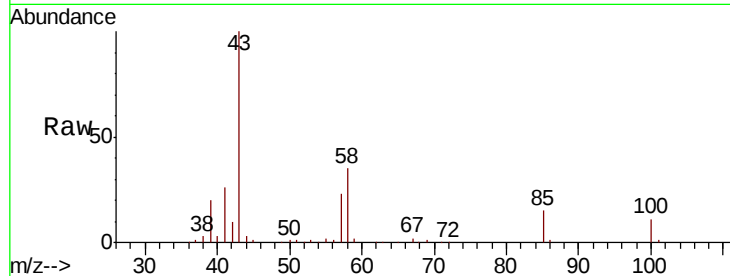
VSTDCCC050

Tot Ion: 43 Resp: 501747

Ion Ratio Lower Upper

43 100

58 34.6 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

250000

200000

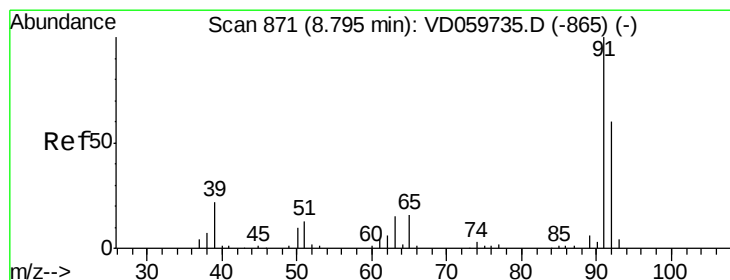
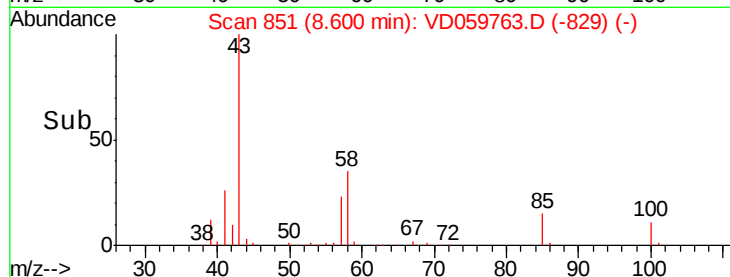
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 58.30 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059763.D

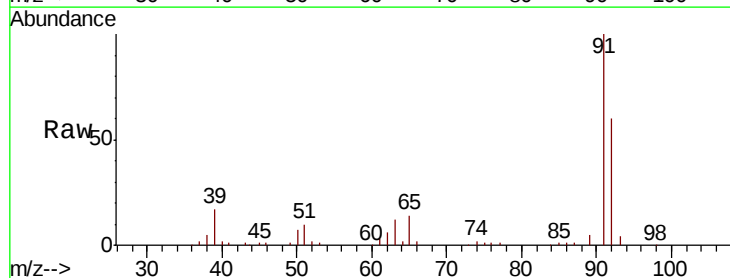
Acq: 14 Aug 2018 13:03

Tgt Ion: 92 Resp: 242246

Ion Ratio Lower Upper

92 100

91 167.4 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

200000

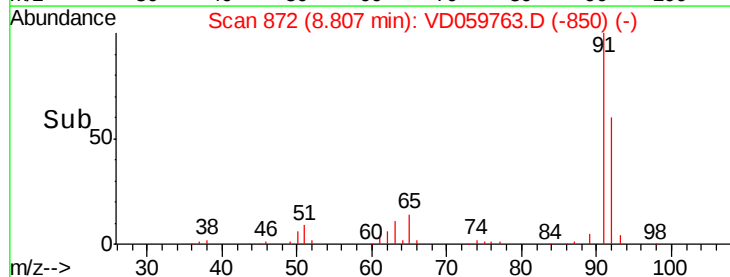
150000

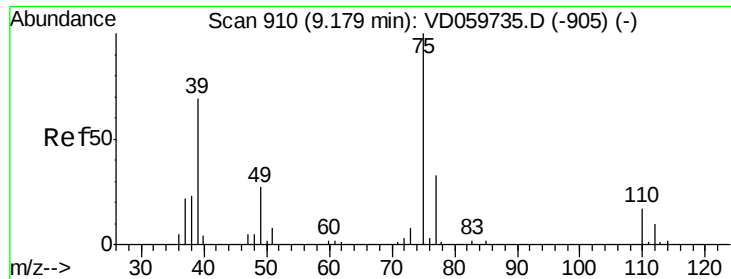
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.61 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

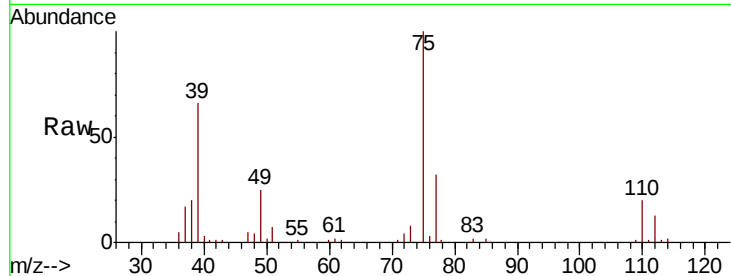
VSTDCCC050

Tot Ion: 75 Resp: 184113

Ion Ratio Lower Upper

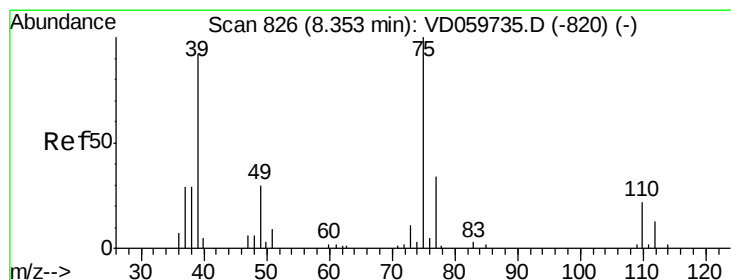
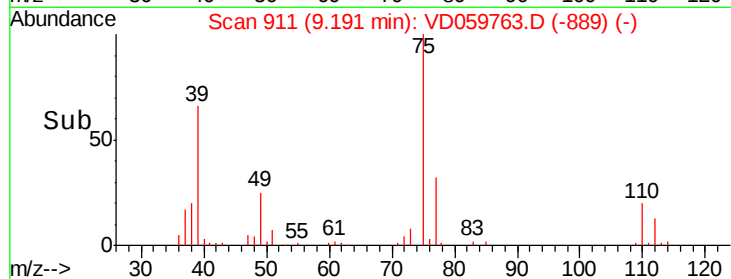
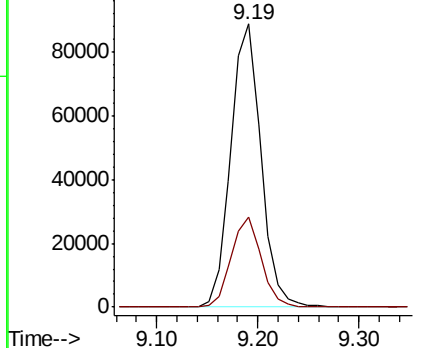
75 100

77 31.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 54.42 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

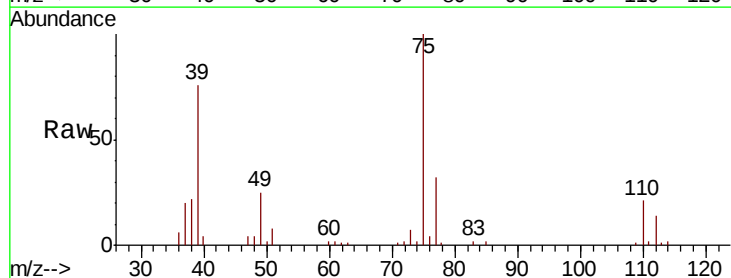
Tgt Ion: 75 Resp: 193840

Ion Ratio Lower Upper

75 100

77 31.6 27.2 40.8

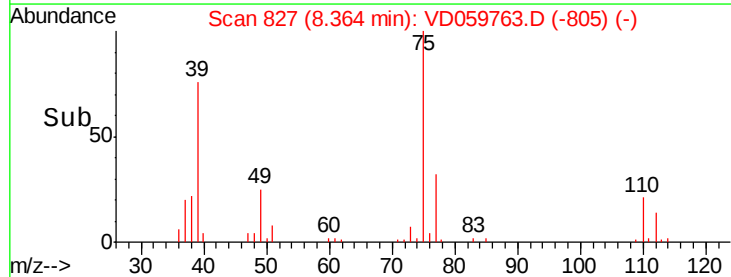
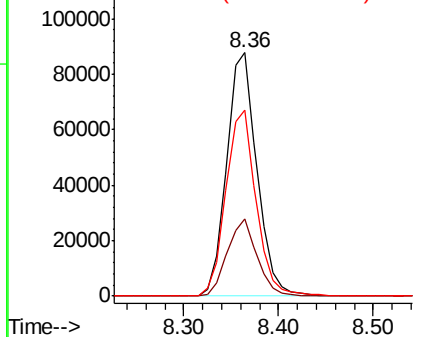
39 76.3 73.8 110.8

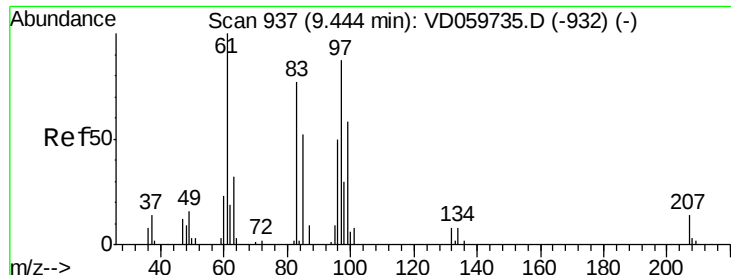


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

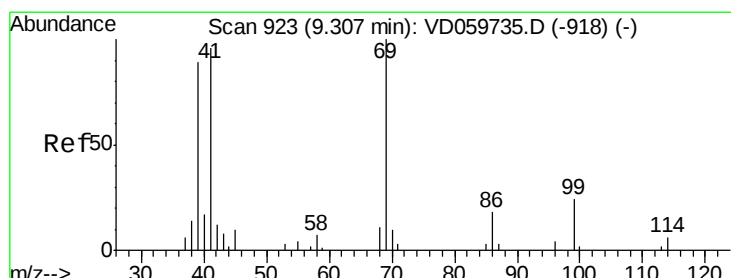
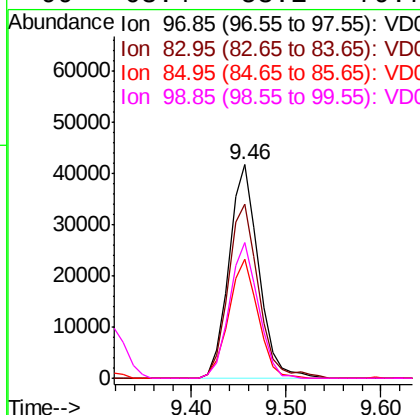
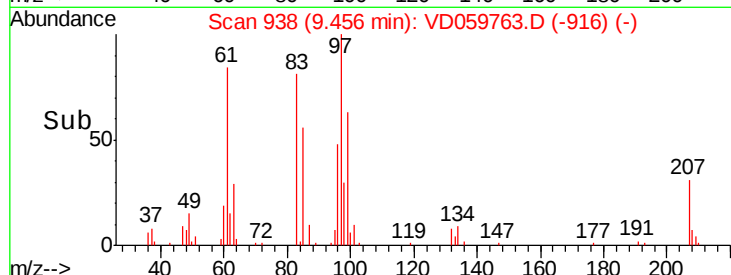
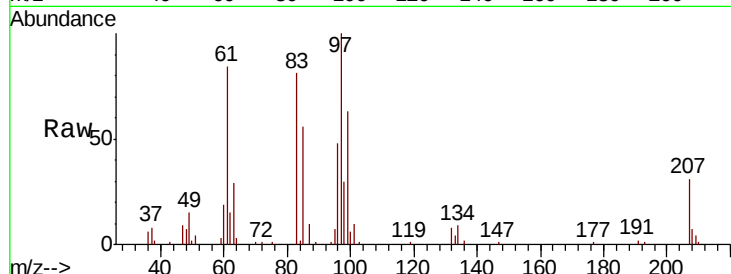




#55
 1,1,2-Trichloroethane
 Concen: 55.16 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

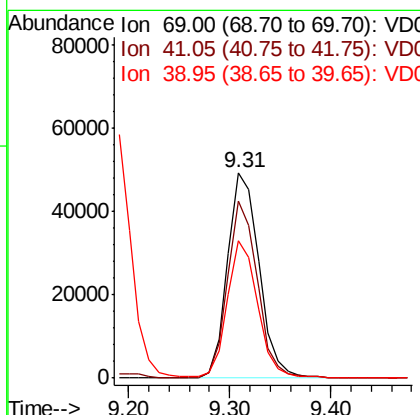
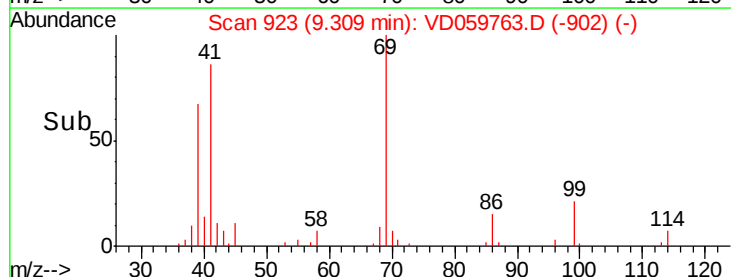
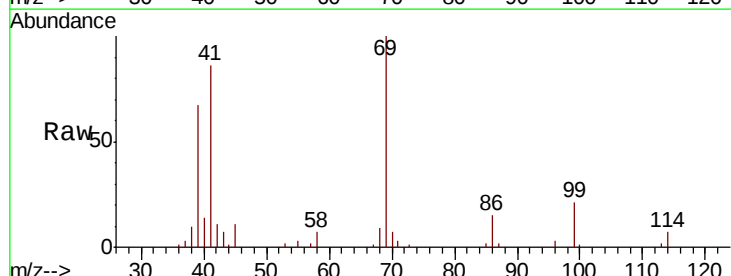
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

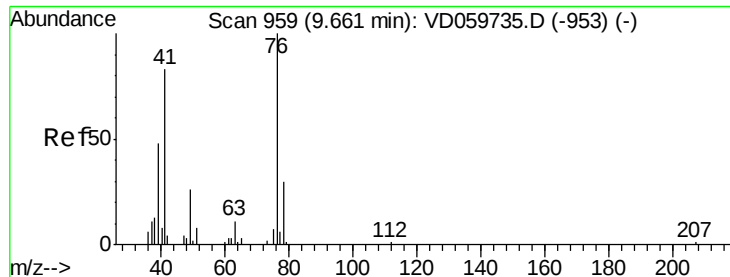
Tot Ion: 97 Resp: 90382
 Ion Ratio Lower Upper
 97 100
 83 81.5 70.4 105.6
 85 55.8 47.6 71.4
 99 63.4 53.1 79.7



#56
 Ethyl methacrylate
 Concen: 57.30 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 69 Resp: 106990
 Ion Ratio Lower Upper
 69 100
 41 86.5 76.7 115.1
 39 66.7 71.0 106.4#





#57

1,3-Dichloropropane

Concen: 51.79 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

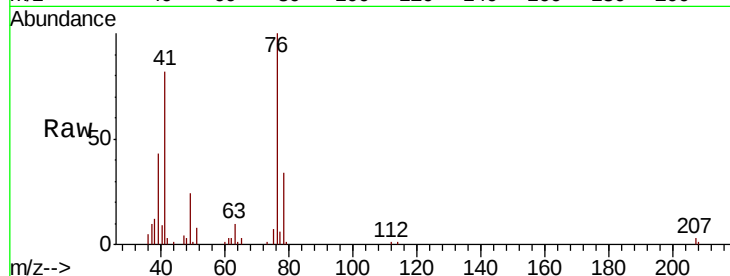
VSTDCCC050

Tot Ion: 76 Resp: 141259

Ion Ratio Lower Upper

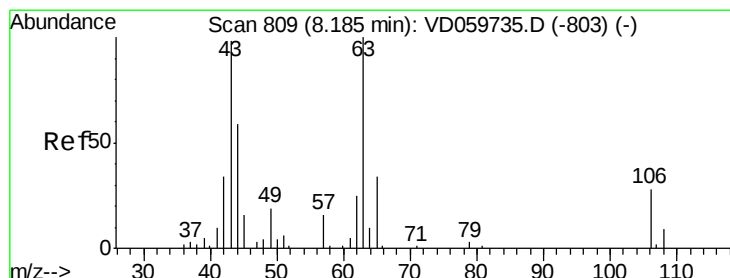
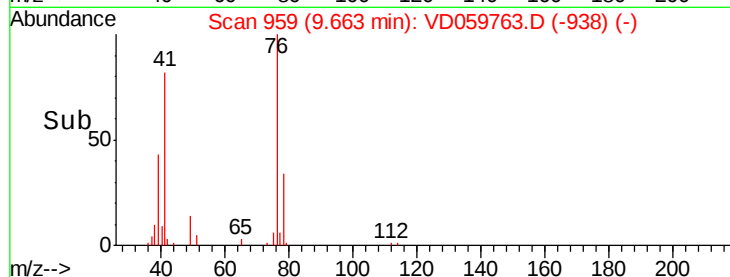
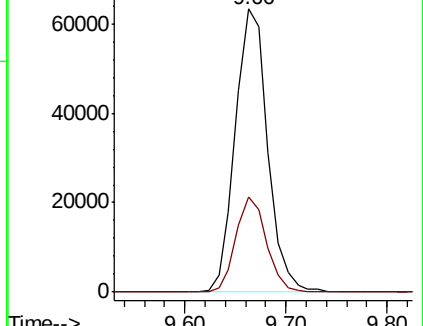
76 100

78 33.8 23.8 35.8



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: 278.00 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059763.D

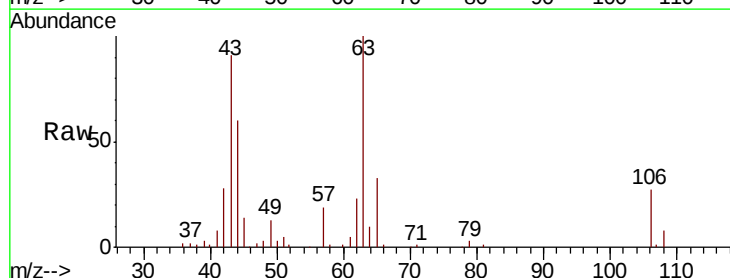
Acq: 14 Aug 2018 13:03

Tgt Ion: 63 Resp: 240402

Ion Ratio Lower Upper

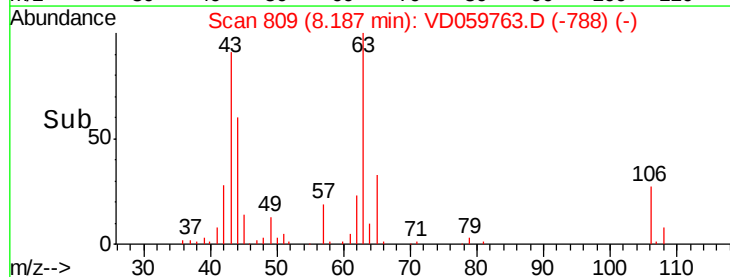
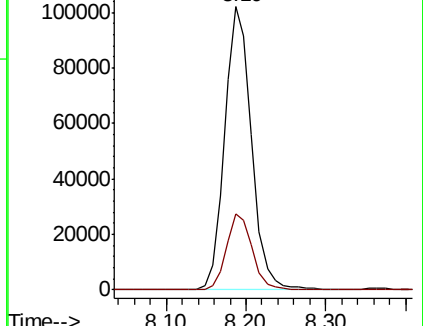
63 100

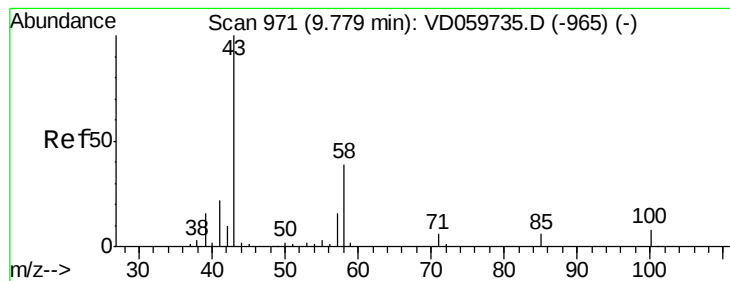
106 27.0 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 315.89 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

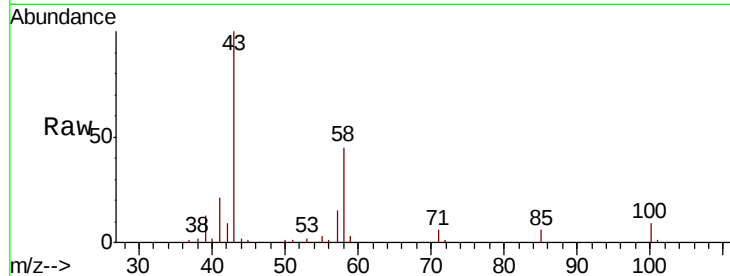
VSTDCCC050

Tot Ion: 43 Resp: 374390

Ion Ratio Lower Upper

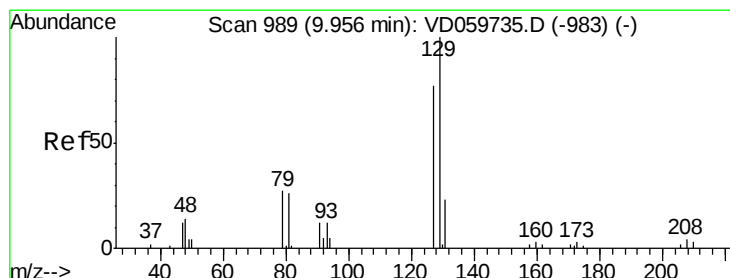
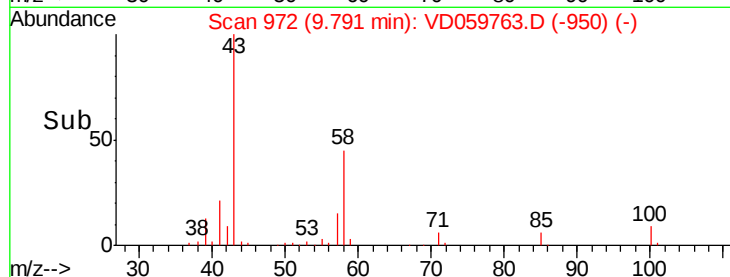
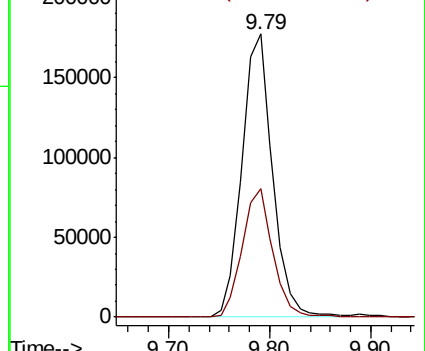
43 100

58 45.3 19.8 59.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 45.73 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD059763.D

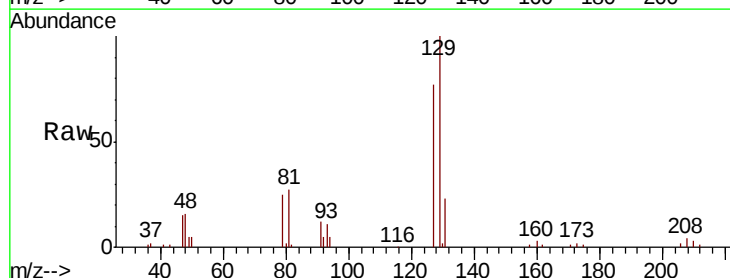
Acq: 14 Aug 2018 13:03

Tgt Ion:129 Resp: 144569

Ion Ratio Lower Upper

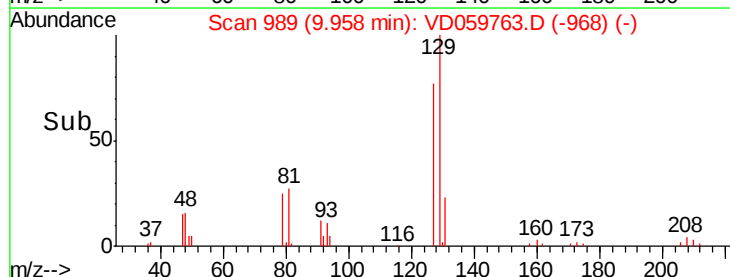
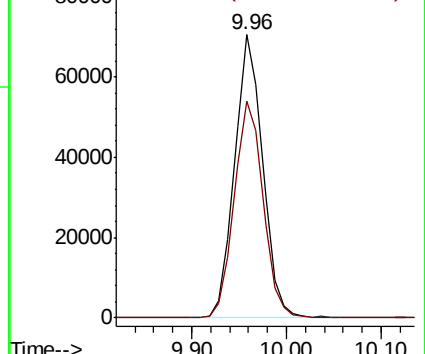
129 100

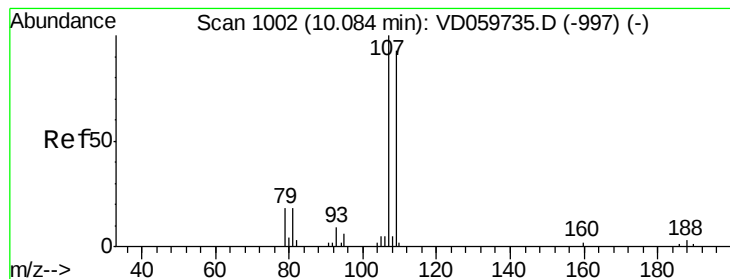
127 76.8 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 51.79 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

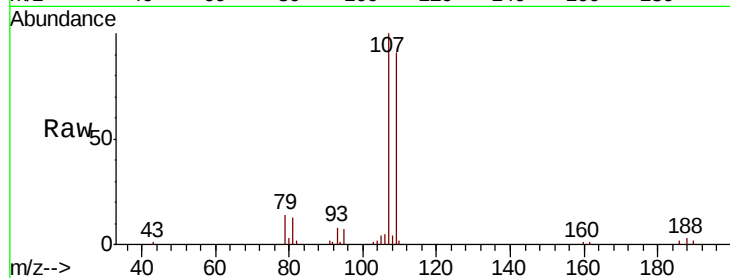
VSTDCCC050

Tot Ion:107 Resp: 106117

Ion Ratio Lower Upper

107 100

109 91.3 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

60000

50000

40000

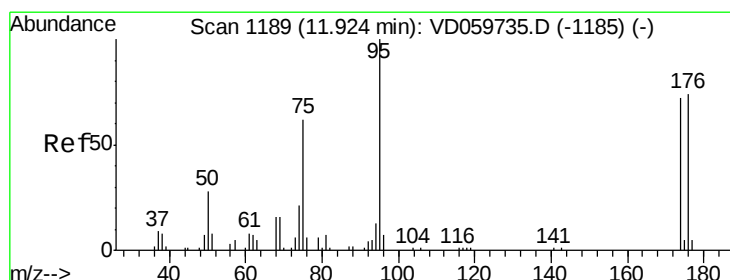
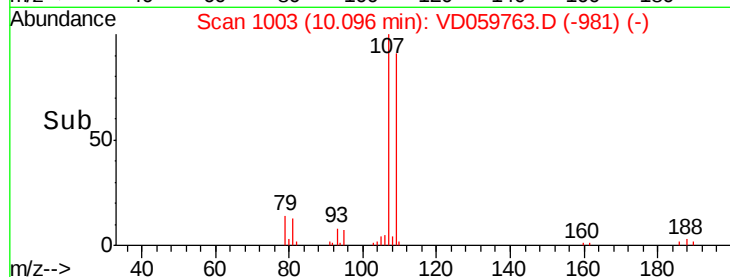
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.79 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

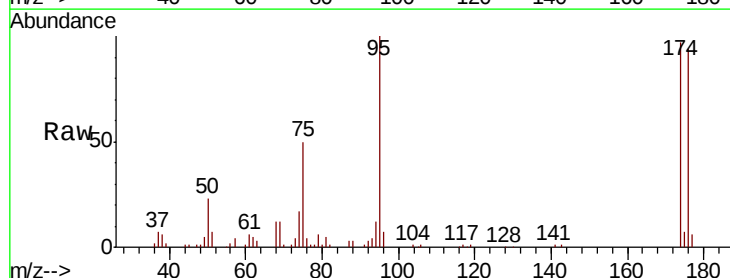
Tgt Ion: 95 Resp: 157571

Ion Ratio Lower Upper

95 100

174 96.6 0.0 143.2

176 94.0 0.0 147.2



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

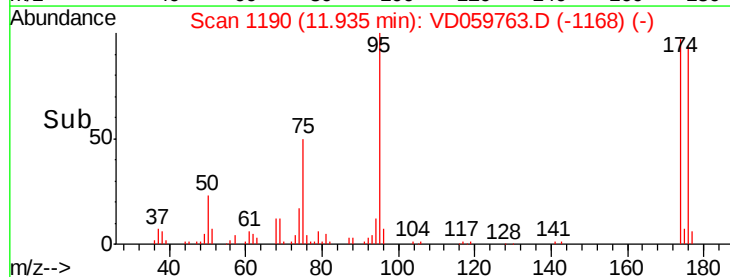
11.94

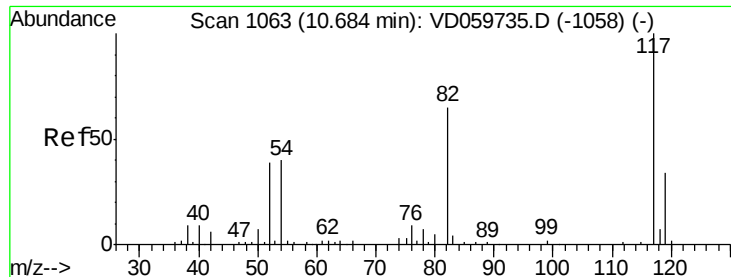
100000

50000

0

Time-->

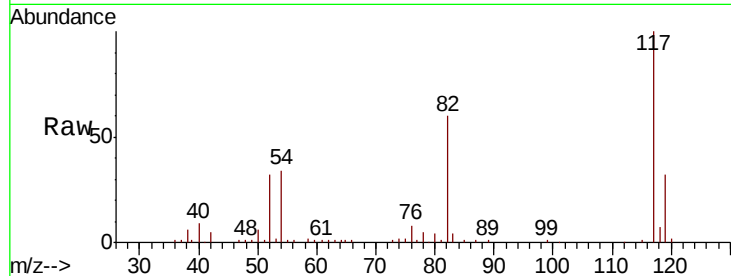




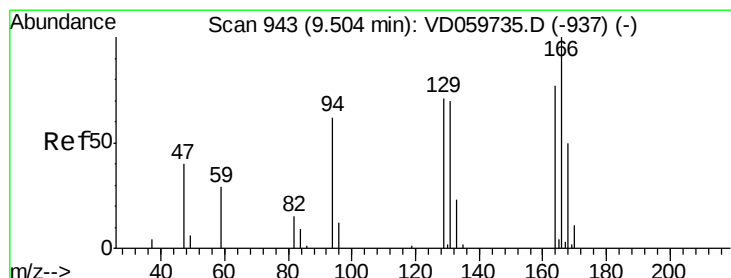
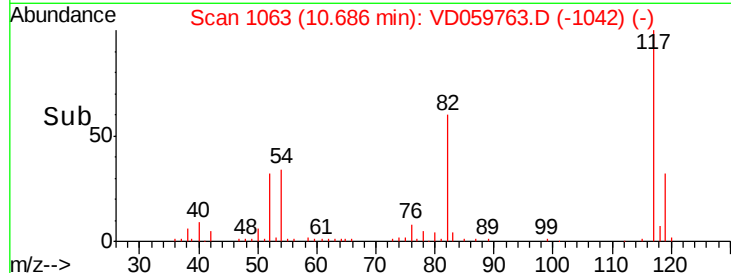
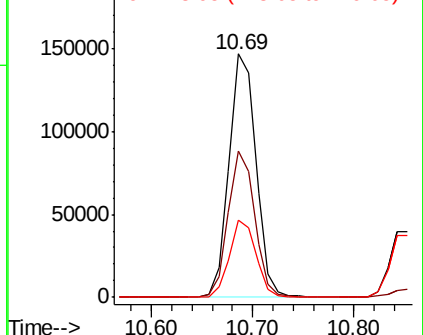
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 271541
Ion Ratio Lower Upper
117 100
82 59.9 51.9 77.9
119 31.8 27.4 41.0



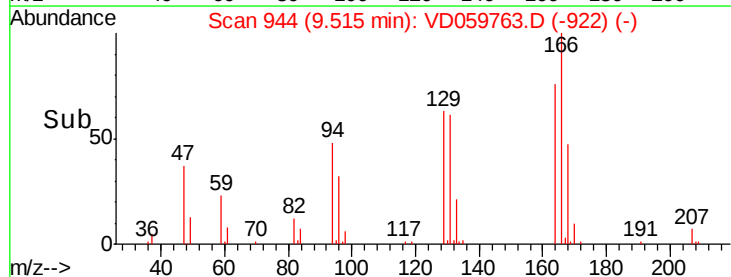
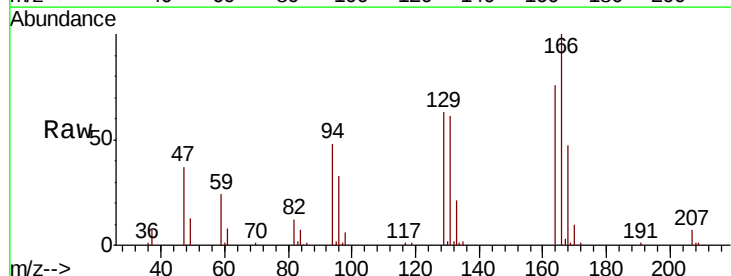
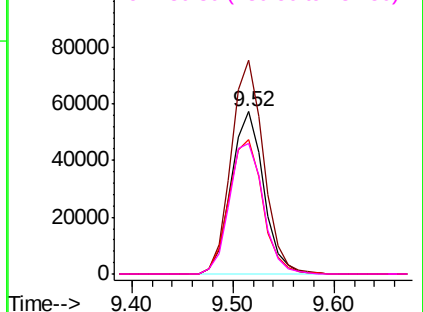
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

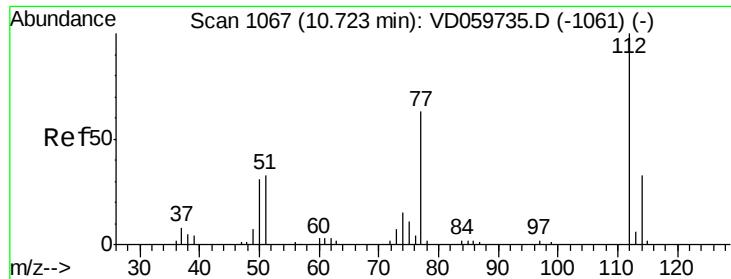


#64
Tetrachloroethene
Concen: 48.09 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion:164 Resp: 128159
Ion Ratio Lower Upper
164 100
166 131.6 103.5 155.3
129 82.7 73.5 110.3
131 80.6 72.3 108.5

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

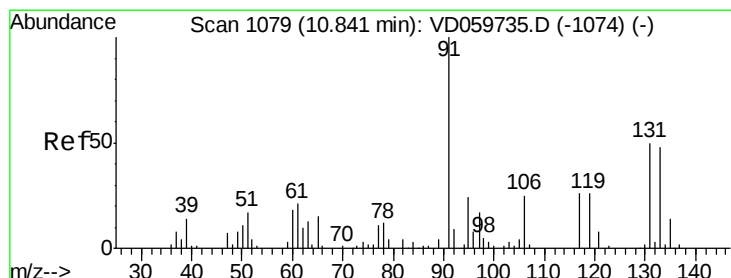
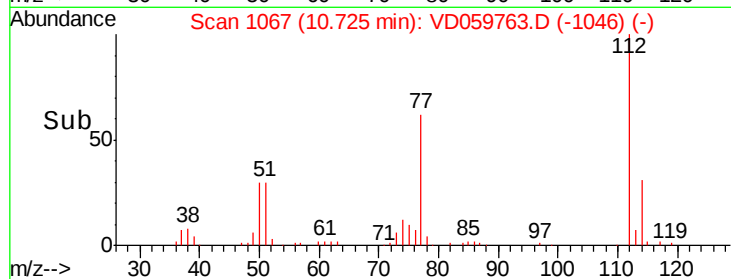
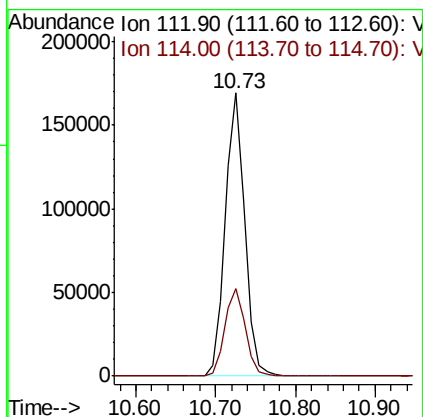
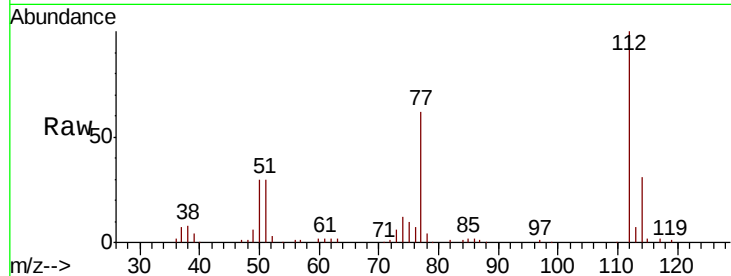




#65
Chlorobenzene
Concen: 52.84 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

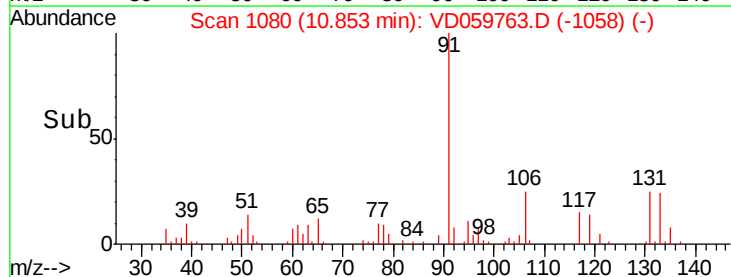
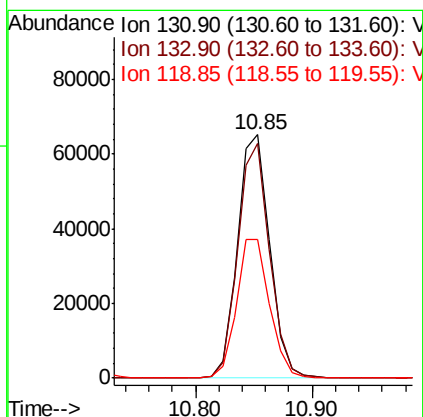
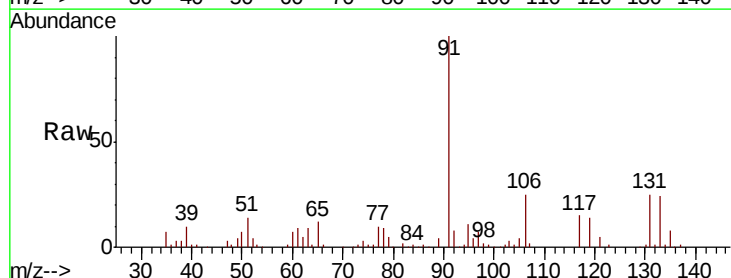
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

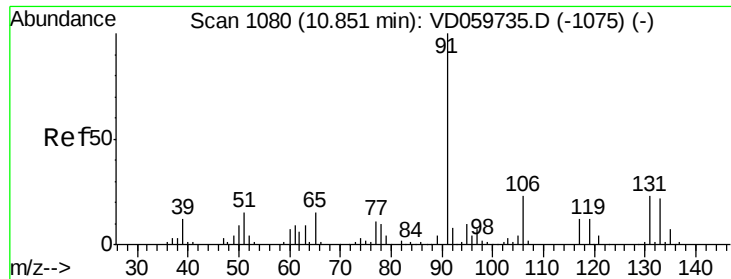
Tot Ion:112 Resp: 292830
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 44.26 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion:131 Resp: 124250
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.3
119 57.2 26.2 78.5

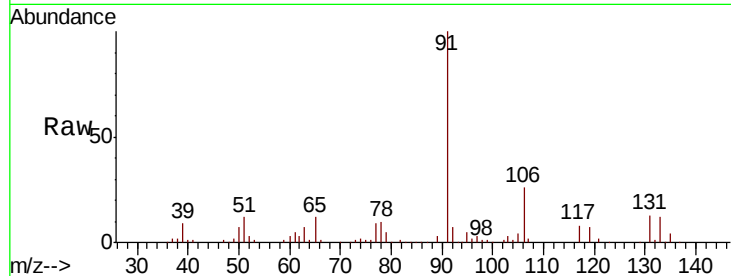




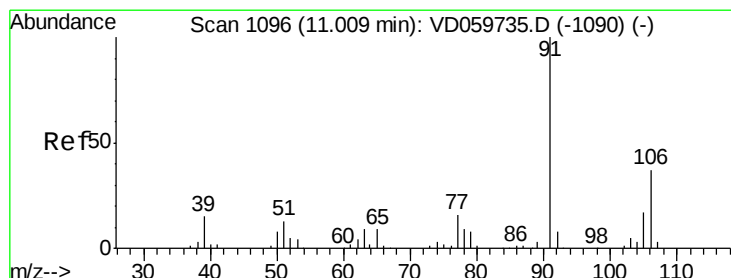
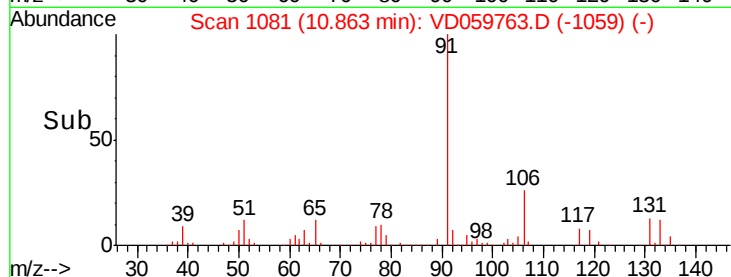
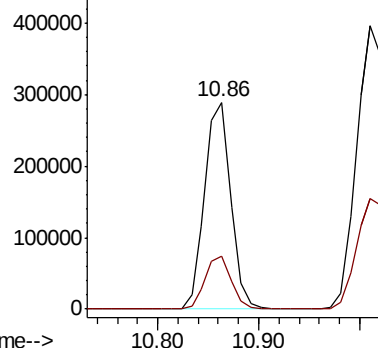
#67
Ethyl Benzene
Concen: 50.29 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 522213
Ion Ratio Lower Upper
91 100
106 25.8 18.8 28.2

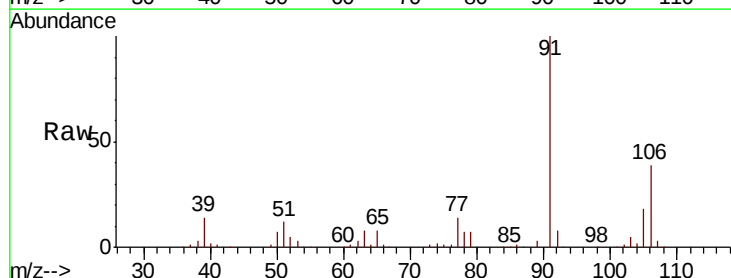


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

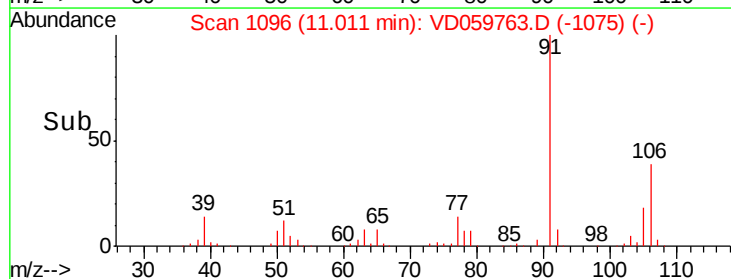
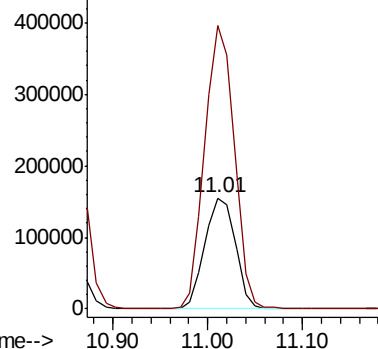


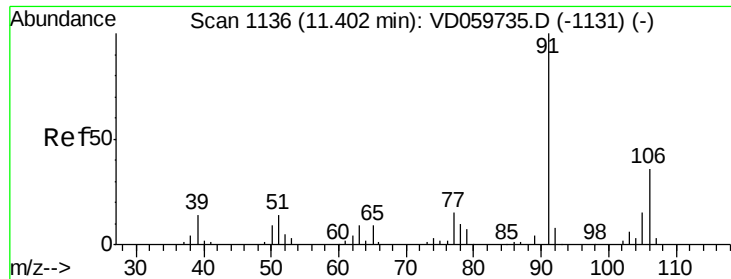
#68
m/p-Xylenes
Concen: 104.51 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 106 Resp: 347900
Ion Ratio Lower Upper
106 100
91 255.2 213.8 320.8



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

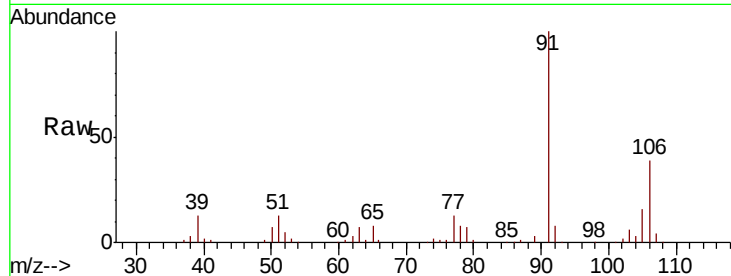




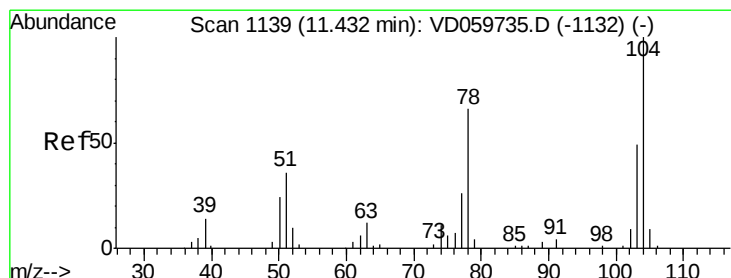
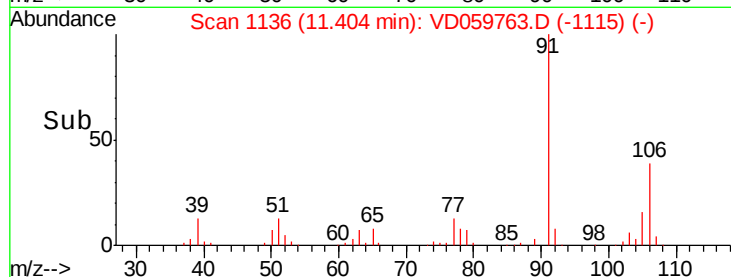
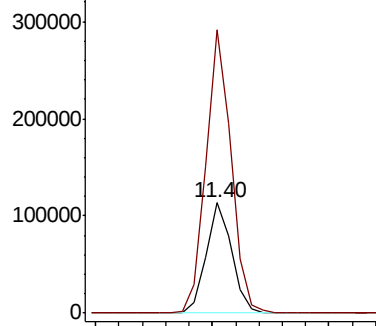
#69
o-Xylene
Concen: 53.19 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 172171
Ion Ratio Lower Upper
106 100
91 256.4 139.8 419.4

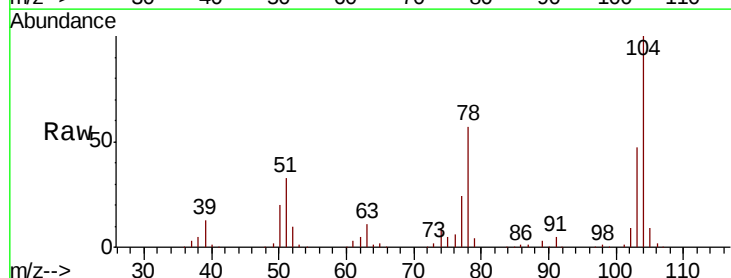


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

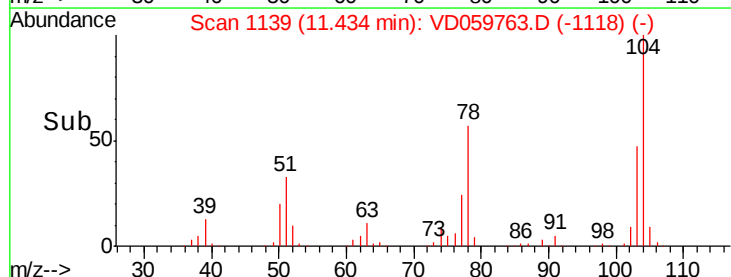
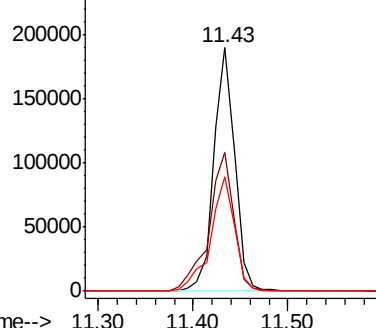


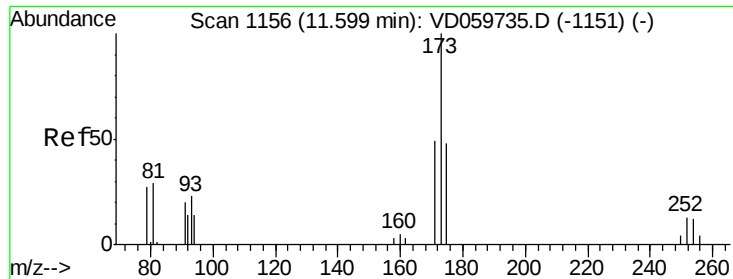
#70
Styrene
Concen: 54.73 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion:104 Resp: 290149
Ion Ratio Lower Upper
104 100
78 57.2 52.8 79.2
103 47.1 39.1 58.7



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

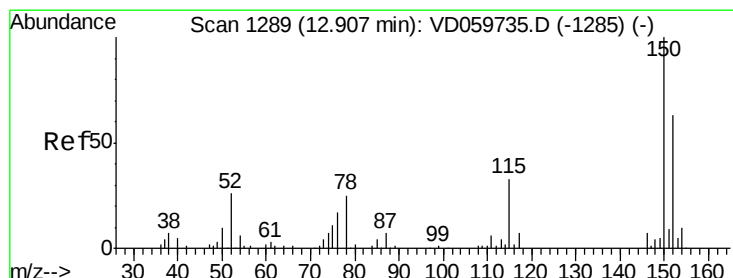
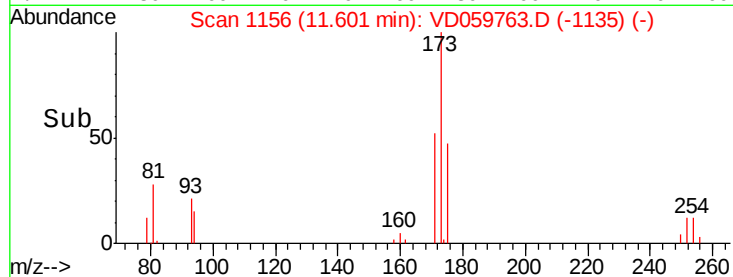
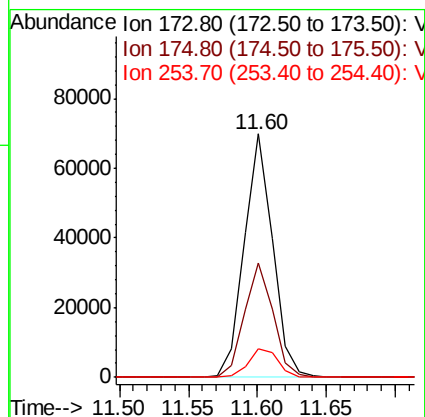
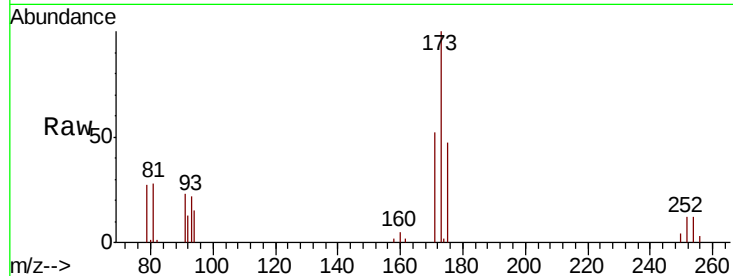




#71
Bromoform
Concen: 47.66 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

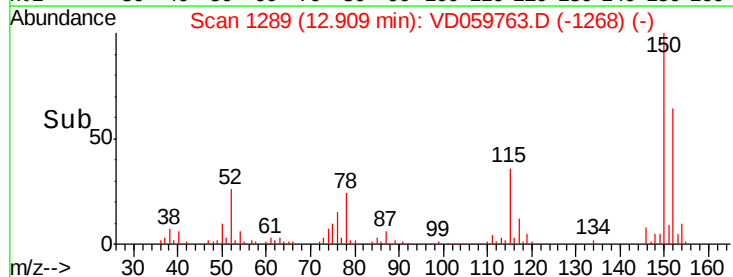
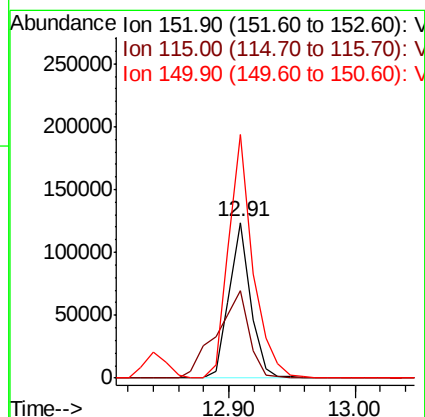
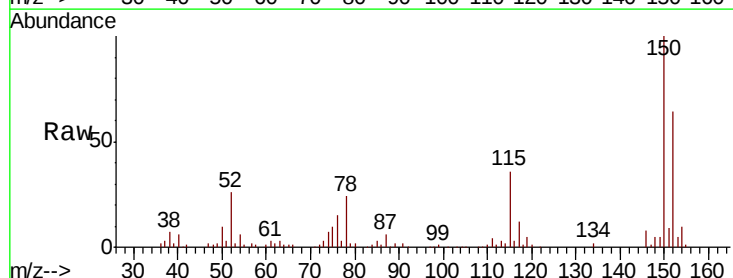
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

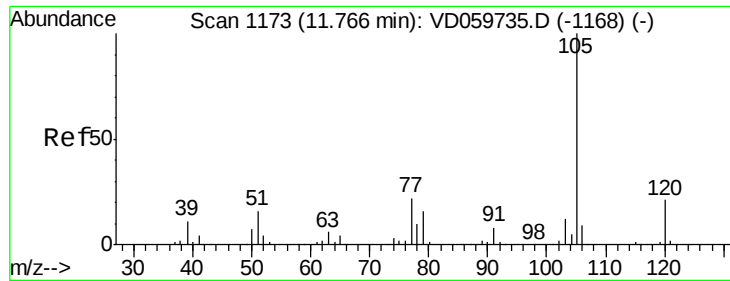
Tot Ion:173 Resp: 101193
Ion Ratio Lower Upper
173 100
175 46.9 24.1 72.2
254 11.7 9.3 13.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion:152 Resp: 145862
Ion Ratio Lower Upper
152 100
115 55.8 29.8 89.3
150 156.6 0.0 320.4

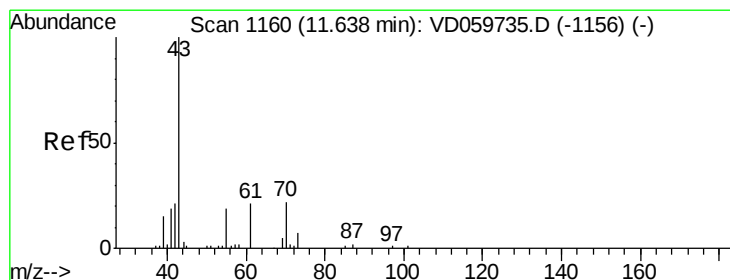
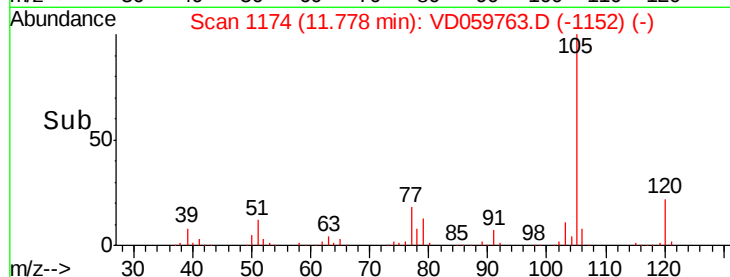
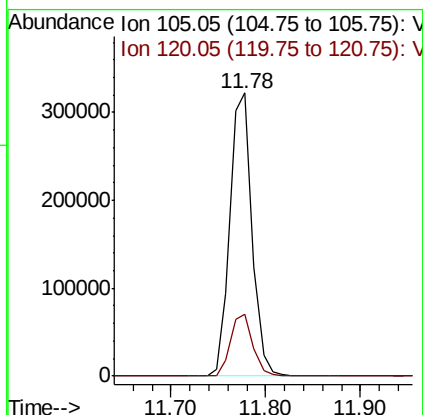
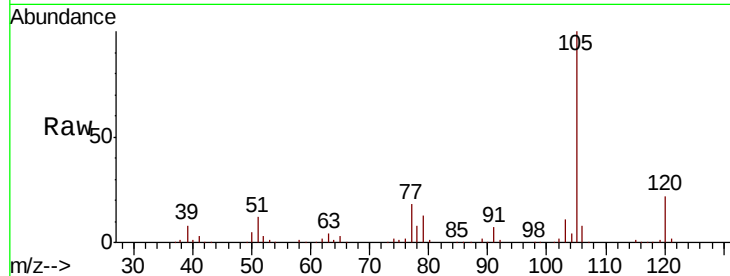




#73
Isopropylbenzene
Concen: 52.77 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

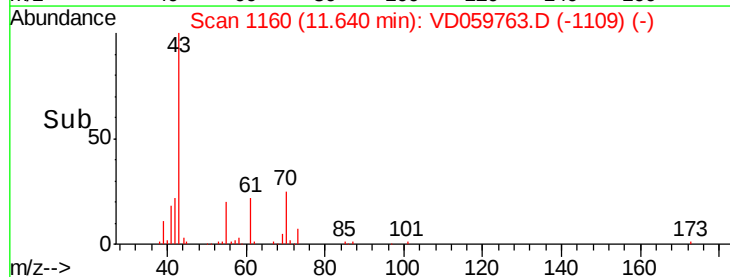
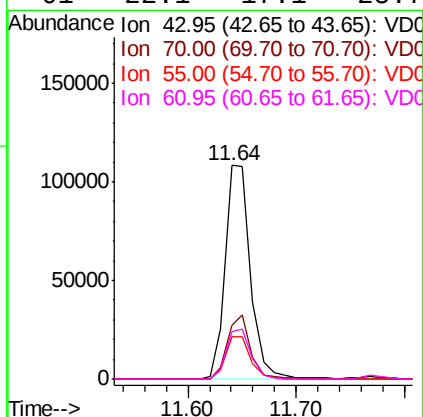
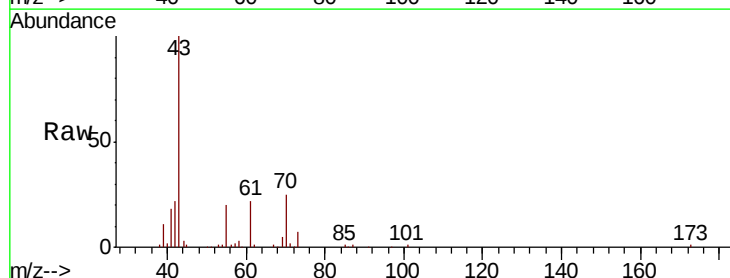
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

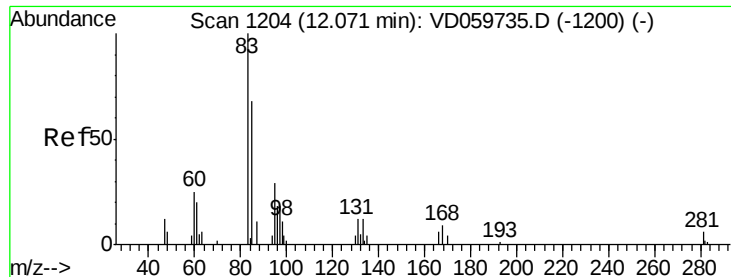
Tot Ion:105 Resp: 522932
Ion Ratio Lower Upper
105 100
120 22.0 10.3 30.8



#74
N-ethyl acetate
Concen: 61.91 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 43 Resp: 175869
Ion Ratio Lower Upper
43 100
70 25.3 18.0 27.0
55 19.9 14.8 22.2
61 22.1 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 60.55 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

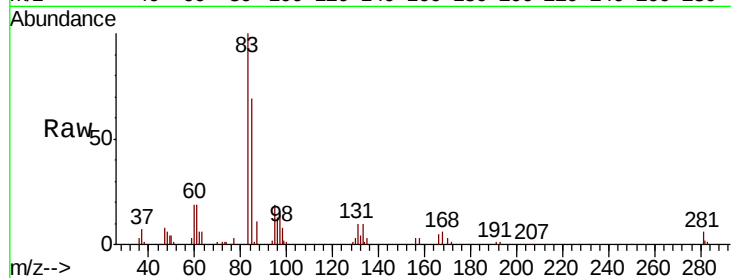
Tot Ion: 83 Resp: 109481

Ion Ratio Lower Upper

83 100

131 10.3 6.3 19.1

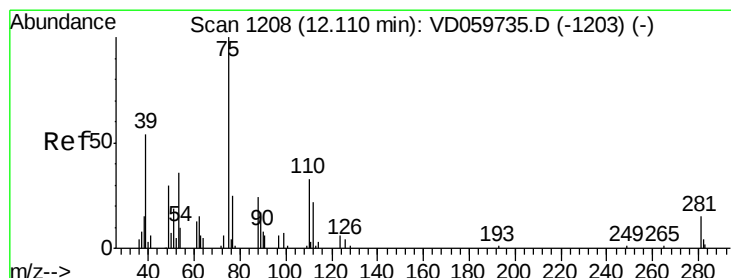
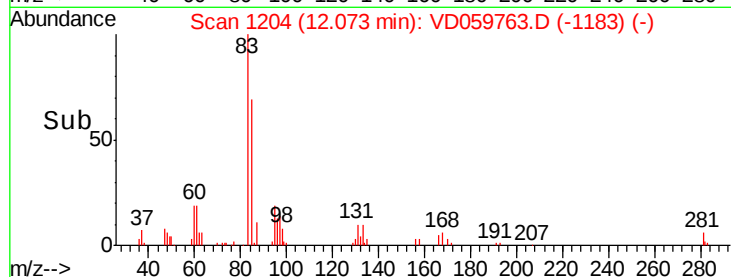
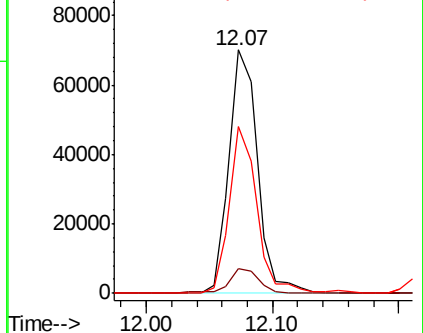
85 68.7 34.2 102.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 57.61 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059763.D

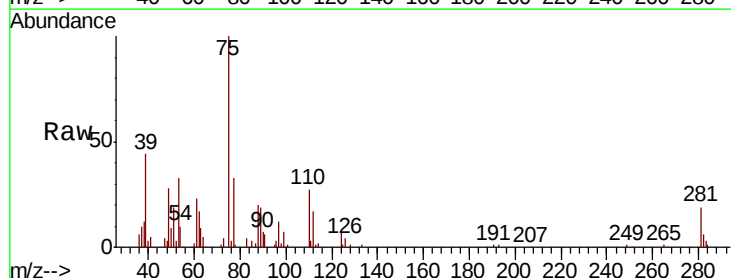
Acq: 14 Aug 2018 13:03

Tgt Ion: 75 Resp: 124312

Ion Ratio Lower Upper

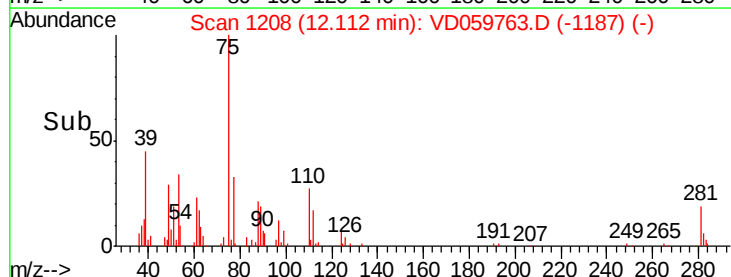
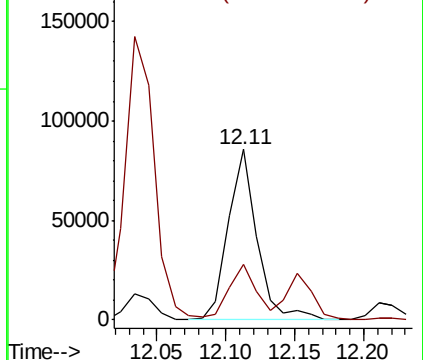
75 100

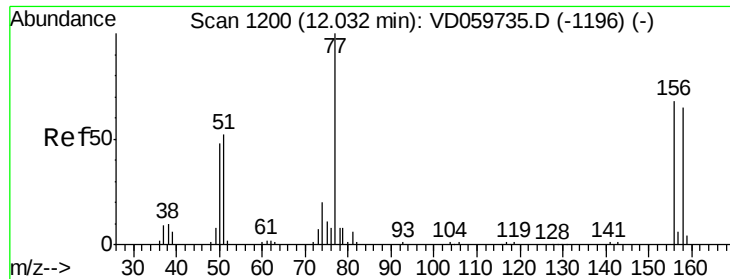
77 32.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

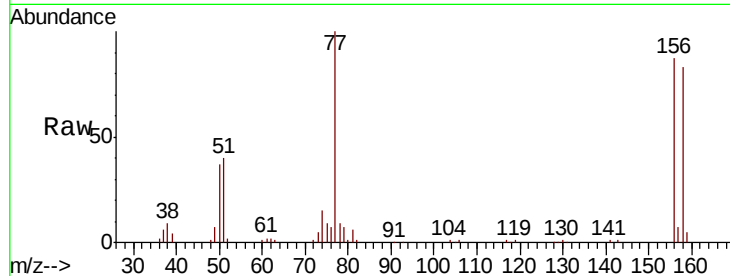




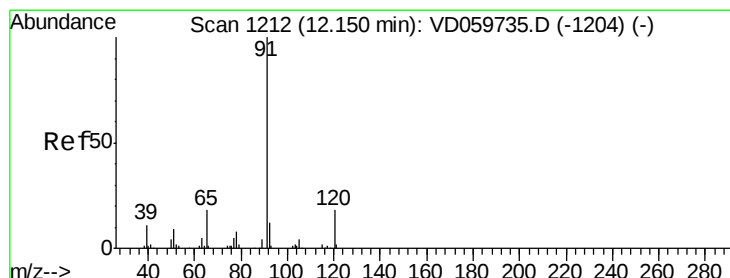
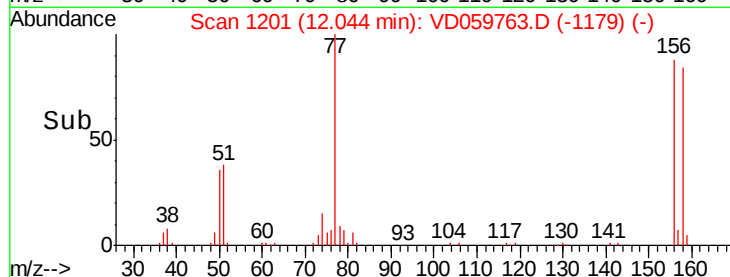
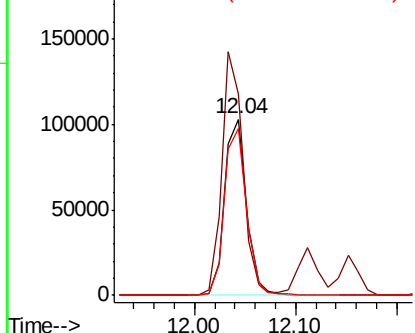
#77
Bromobenzene
Concen: 53.39 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 154517
Ion Ratio Lower Upper
156 100
77 114.6 73.3 219.8
158 94.7 47.5 142.5

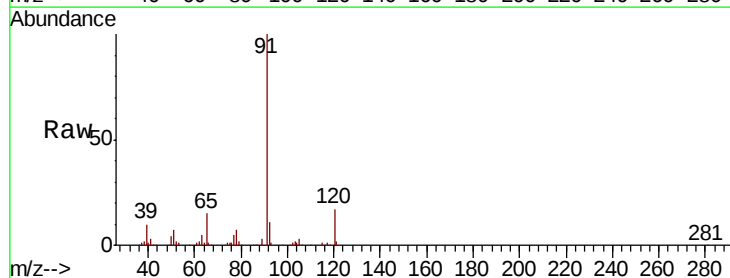


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

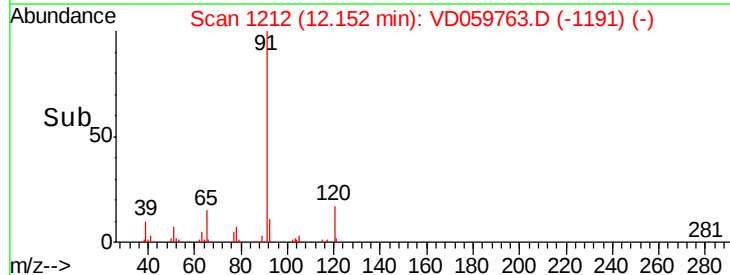
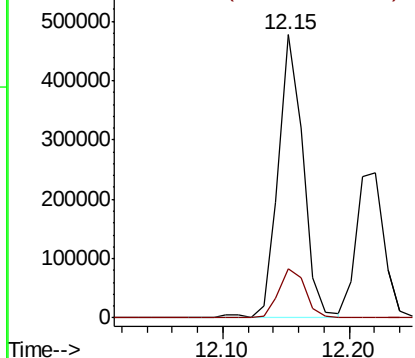


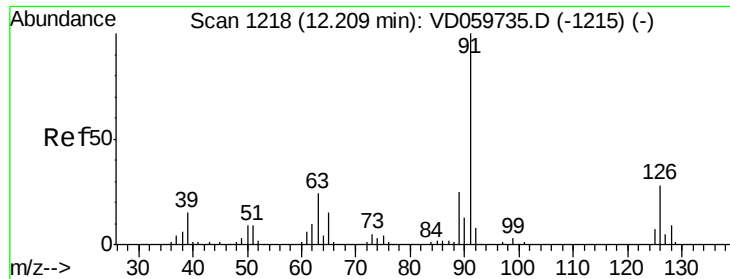
#78
n-propylbenzene
Concen: 54.41 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 91 Resp: 655062
Ion Ratio Lower Upper
91 100
120 17.4 8.9 26.7



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

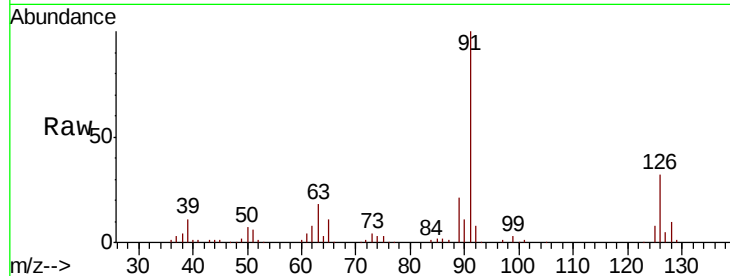




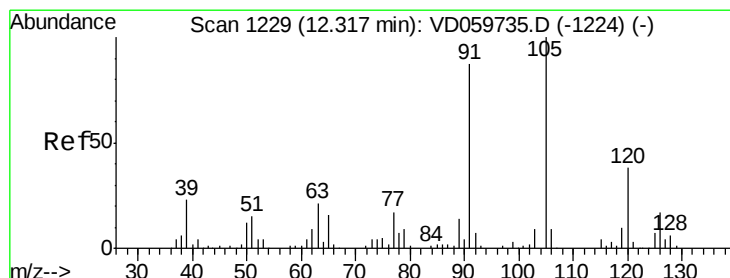
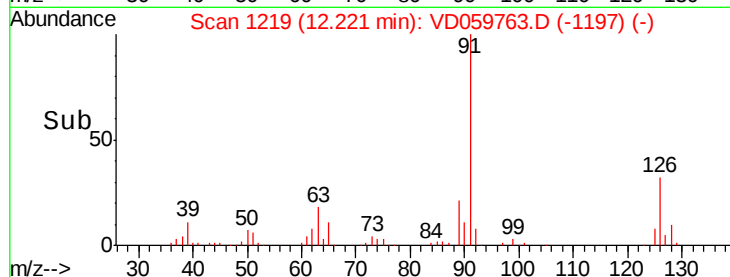
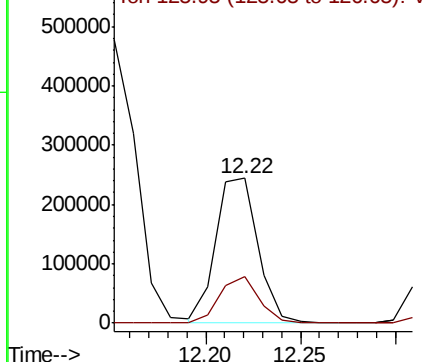
#79
 2-Chlorotoluene
 Concen: 48.84 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 372303
 Ion Ratio Lower Upper
 91 100
 126 32.1 13.3 39.9

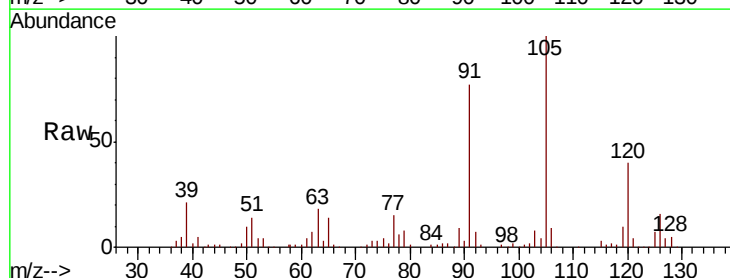


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

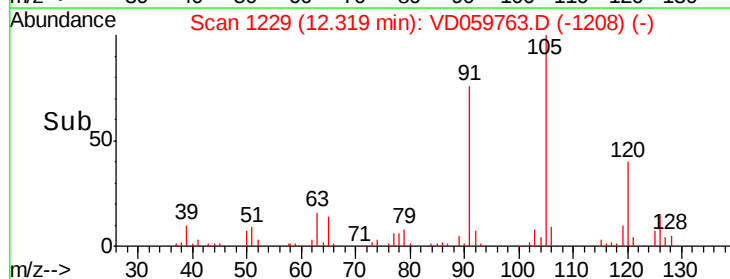
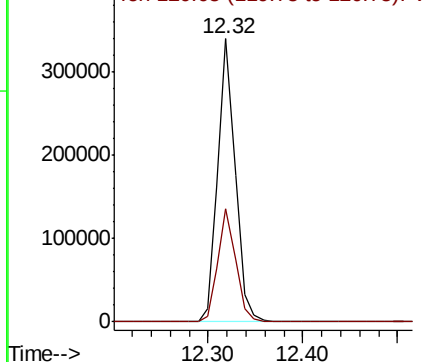


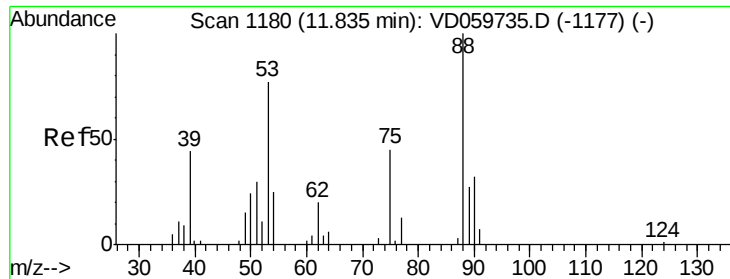
#80
 1,3,5-Trimethylbenzene
 Concen: 50.97 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion:105 Resp: 437556
 Ion Ratio Lower Upper
 105 100
 120 40.2 19.2 57.6



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: 65.24 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

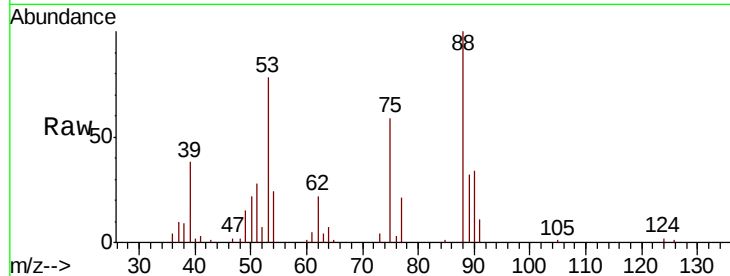
Tot Ion: 75 Resp: 31706

Ion Ratio Lower Upper

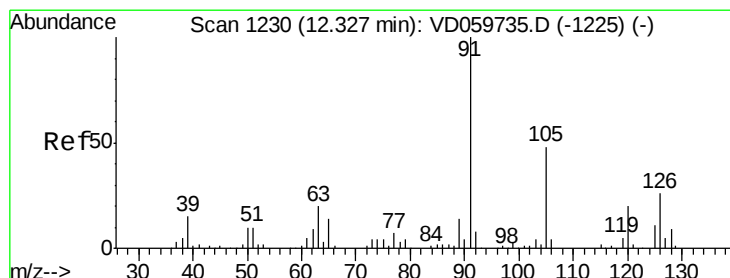
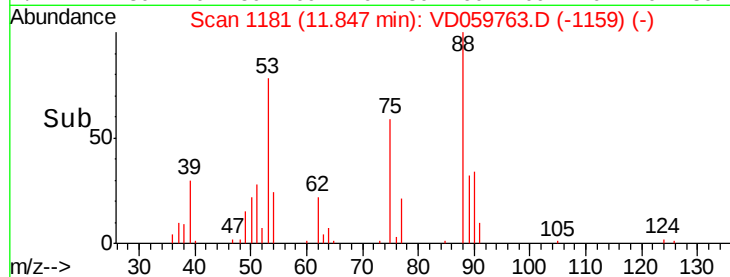
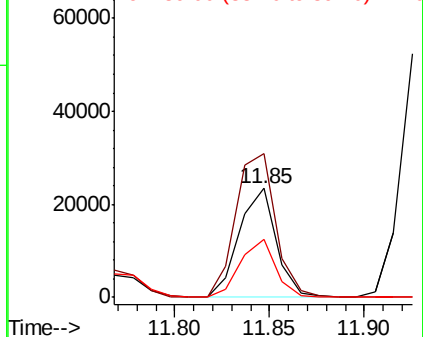
75 100

53 132.5 137.5 206.3#

89 53.4 48.3 72.5



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



#82

4-Chlorotoluene

Concen: 50.09 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059763.D

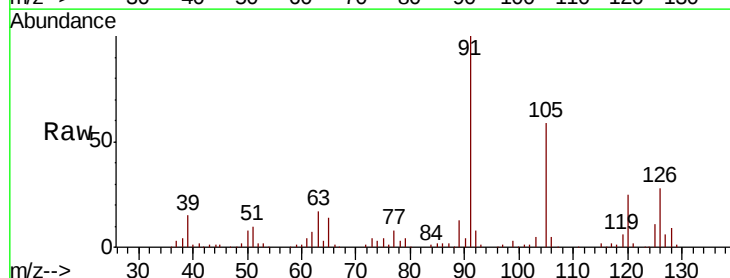
Acq: 14 Aug 2018 13:03

Tgt Ion: 91 Resp: 450056

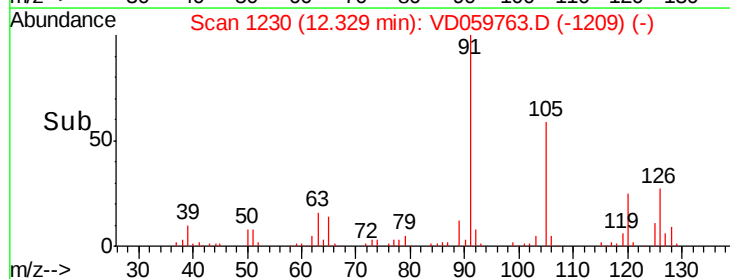
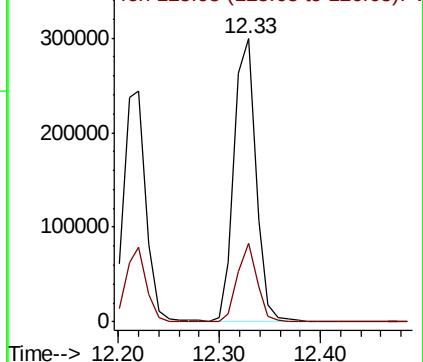
Ion Ratio Lower Upper

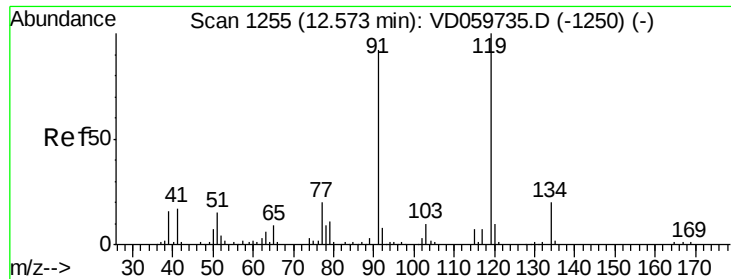
91 100

126 27.7 12.8 38.3



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





#83

tert-Butylbenzene

Concen: 49.50 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

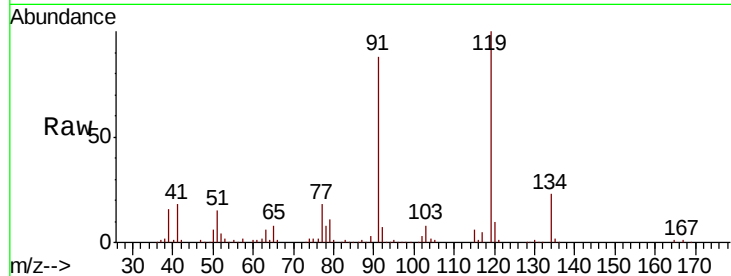
Tot Ion:119 Resp: 462192

Ion Ratio Lower Upper

119 100

91 88.3 46.1 138.2

134 22.6 9.9 29.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

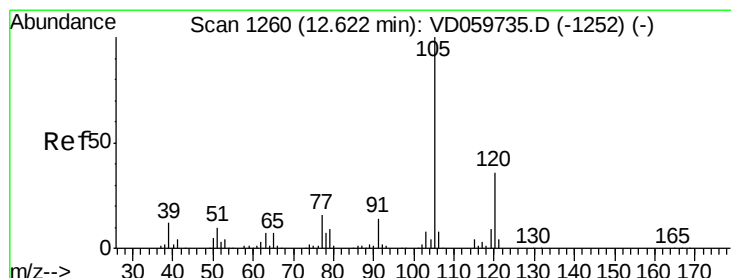
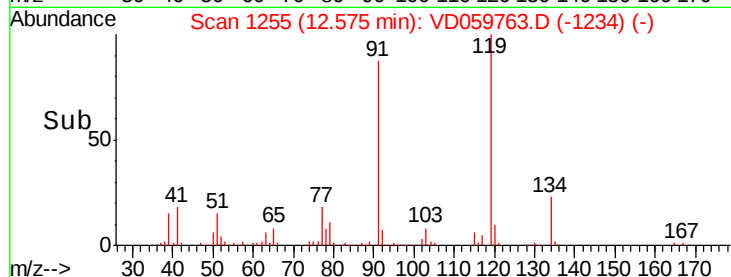
12.57

200000

100000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 51.59 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD059763.D

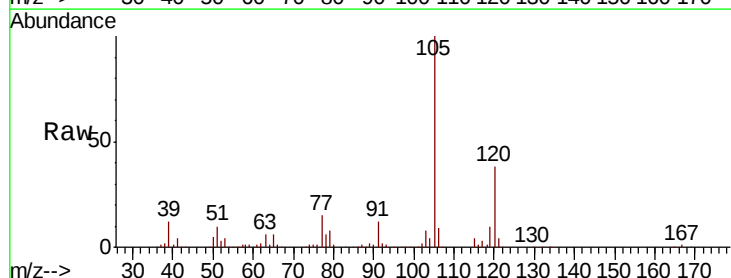
Acq: 14 Aug 2018 13:03

Tgt Ion:105 Resp: 457049

Ion Ratio Lower Upper

105 100

120 38.1 17.9 53.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.62

400000

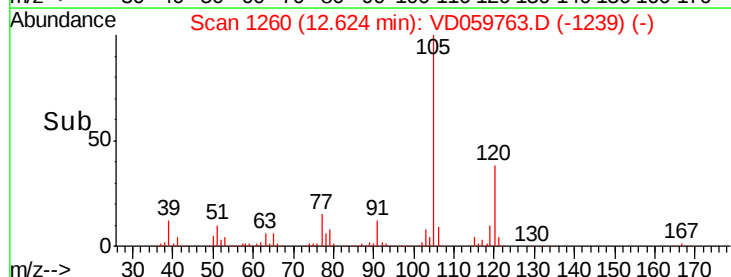
300000

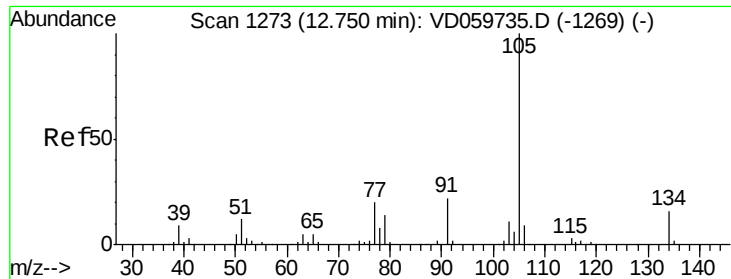
200000

100000

0

Time-->





#85

sec-Butylbenzene

Concen: 53.85 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

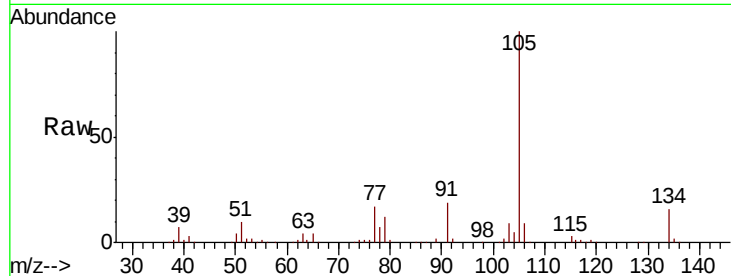
VSTDCCC050

Tot Ion:105 Resp: 534541

Ion Ratio Lower Upper

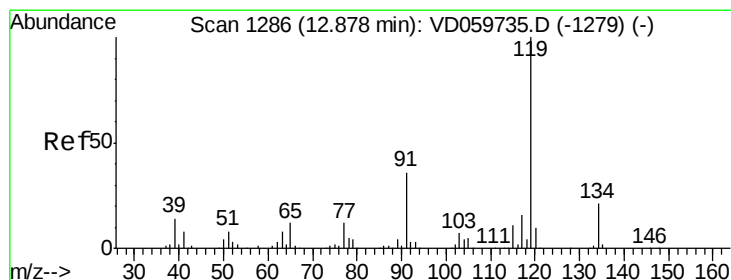
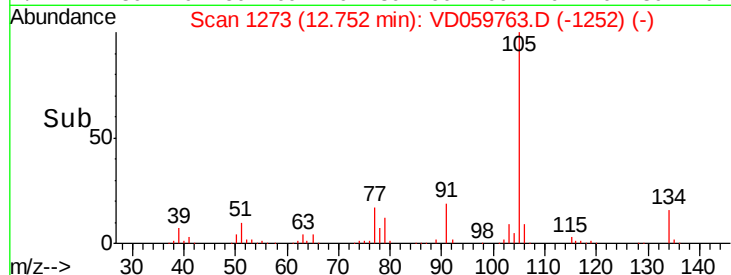
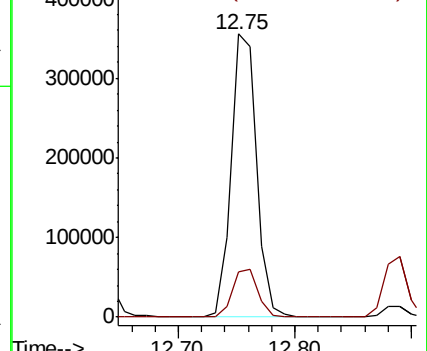
105 100

134 16.2 7.8 23.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.35 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059763.D

Acq: 14 Aug 2018 13:03

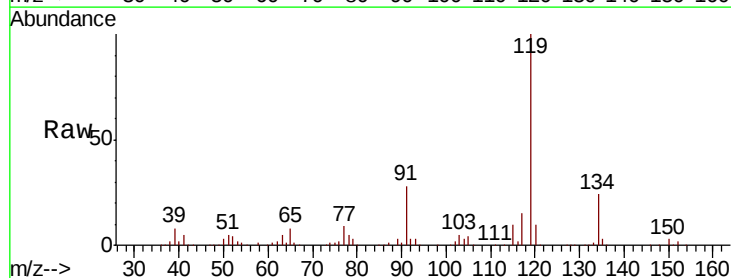
Tgt Ion:119 Resp: 459362

Ion Ratio Lower Upper

119 100

134 23.9 10.5 31.6

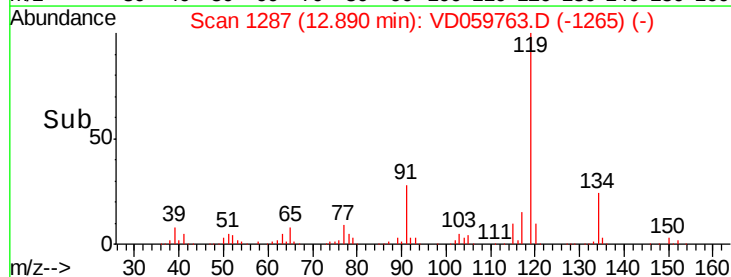
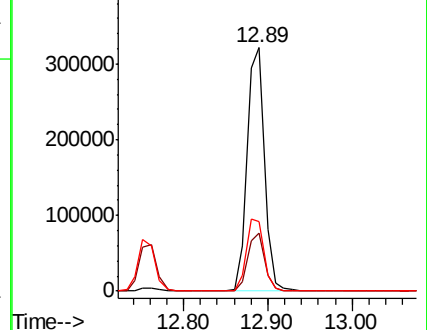
91 28.5 17.9 53.7

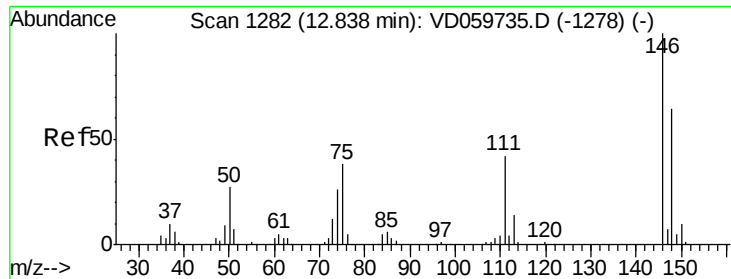


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

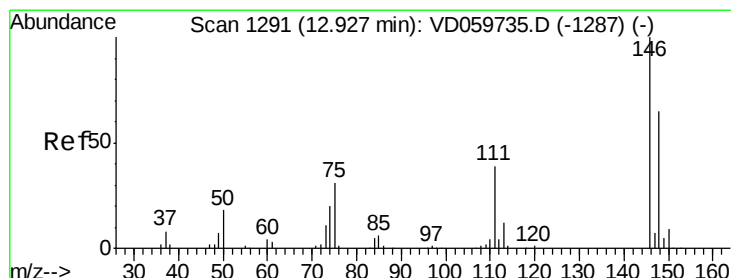
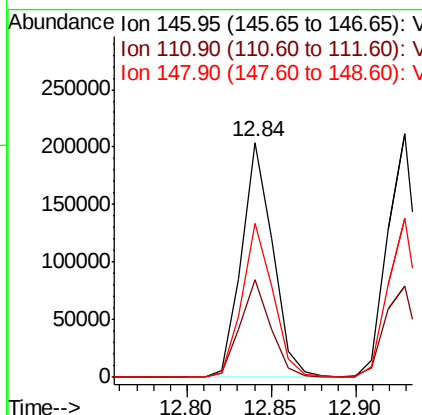
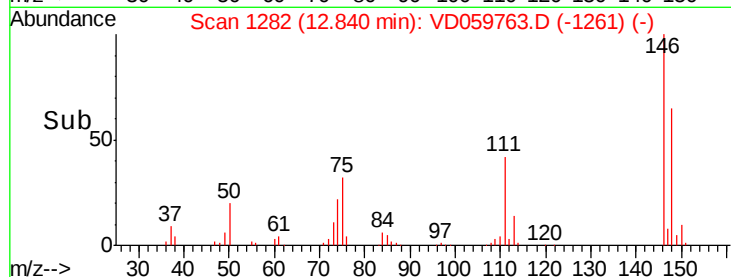
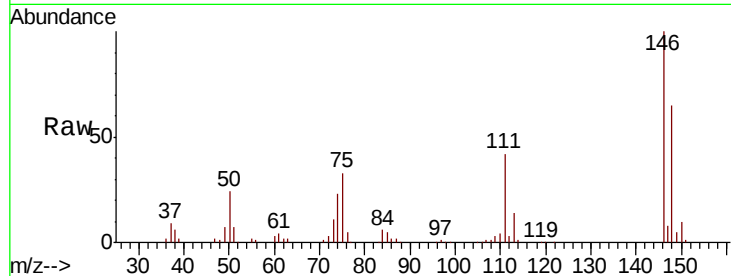




#87
 1,3-Dichlorobenzene
 Concen: 53.60 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

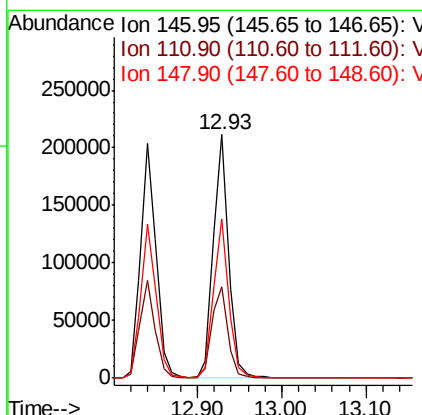
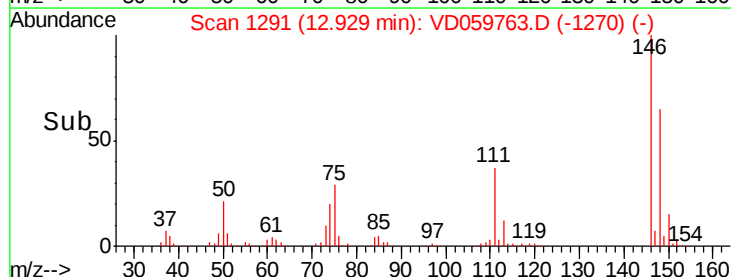
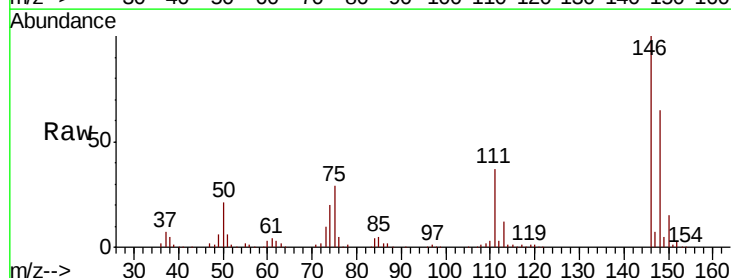
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

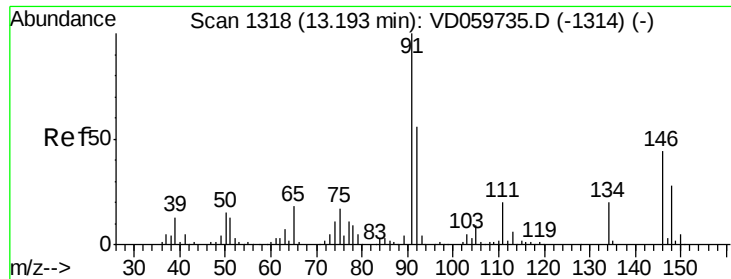
Tot Ion:146 Resp: 262639
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.3
 148 65.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 54.60 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion:146 Resp: 267461
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.7 59.0
 148 65.2 32.4 97.2

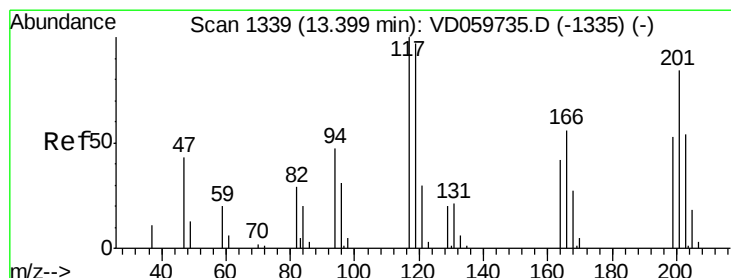
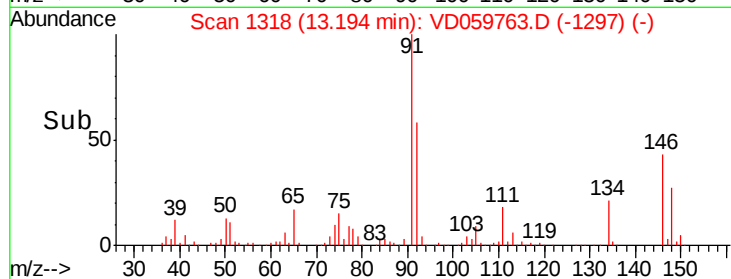
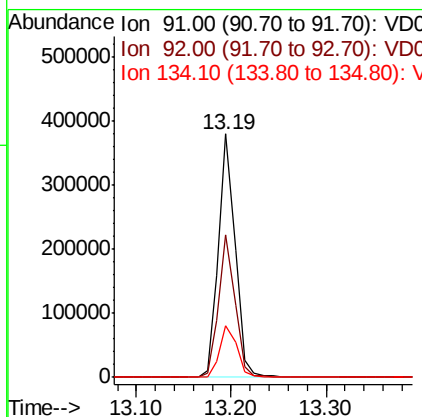
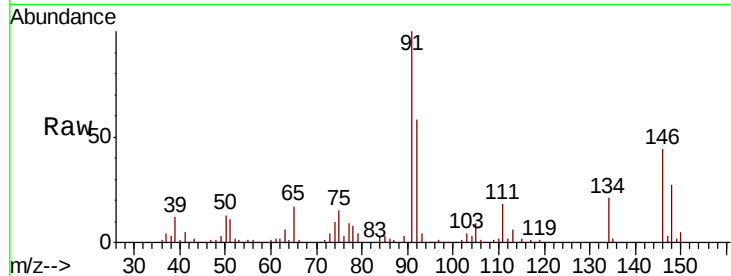




#89
n-Butylbenzene
Concen: 53.06 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

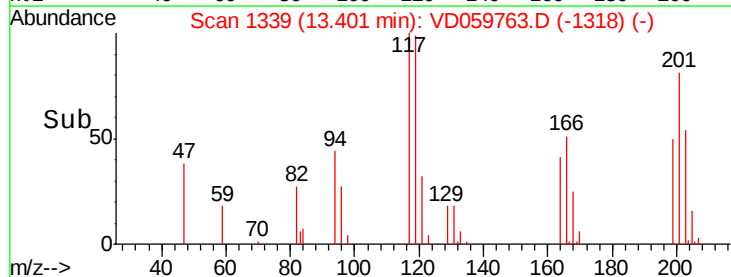
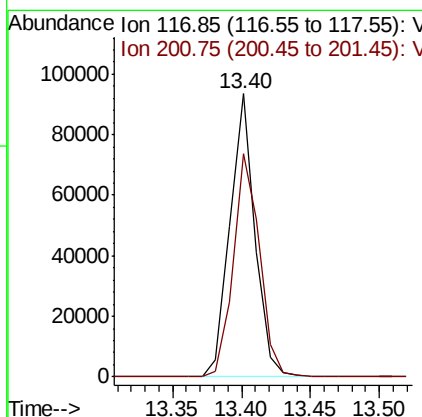
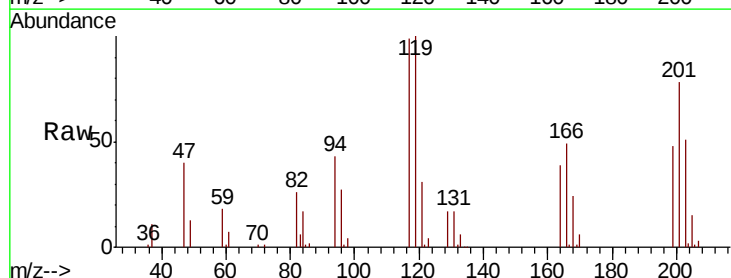
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

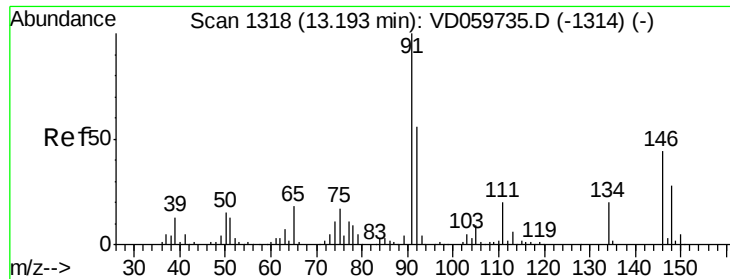
Tot Ion: 91 Resp: 469307
Ion Ratio Lower Upper
91 100
92 58.5 28.1 84.4
134 21.1 10.3 30.8



#90
Hexachloroethane
Concen: 50.68 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion: 117 Resp: 117615
Ion Ratio Lower Upper
117 100
201 78.7 41.9 125.7

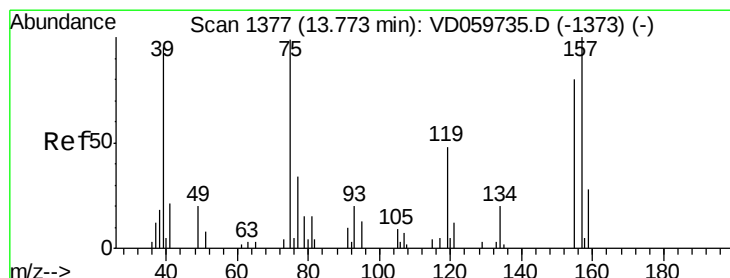
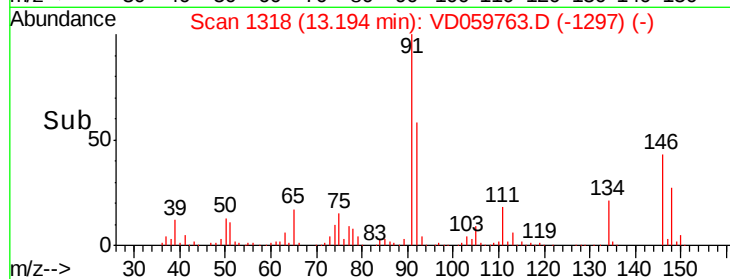
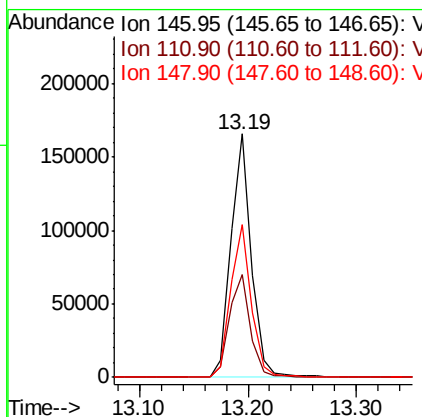
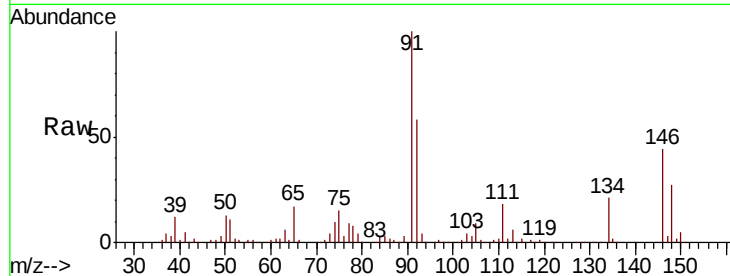




#91
 1,2-Dichlorobenzene
 Concen: 52.32 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

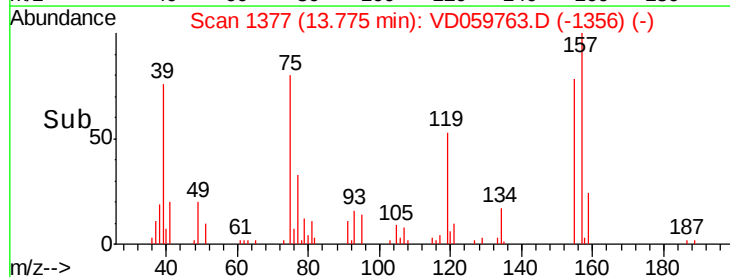
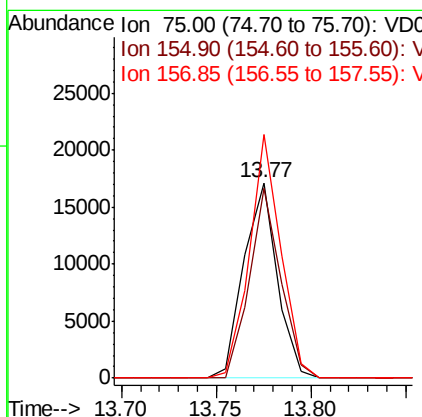
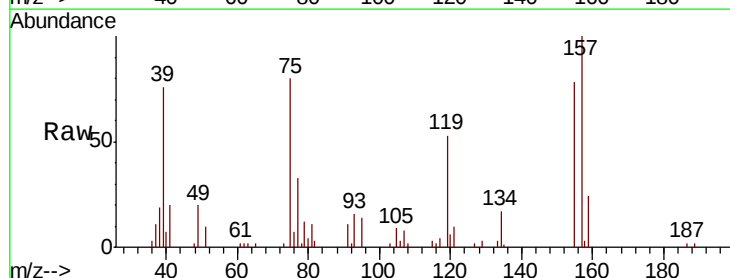
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

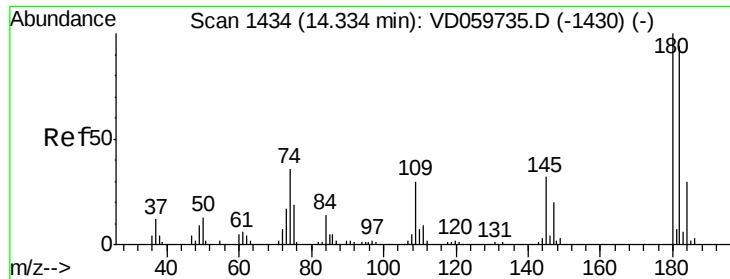
Tot Ion:146 Resp: 217791
 Ion Ratio Lower Upper
 146 100
 111 42.4 22.9 68.5
 148 62.7 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.29 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion: 75 Resp: 20850
 Ion Ratio Lower Upper
 75 100
 155 97.5 40.4 121.1
 157 124.7 50.5 151.6

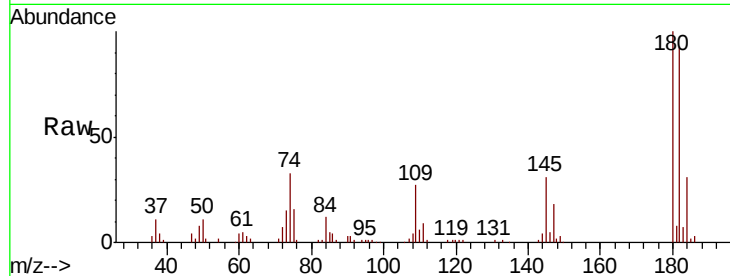




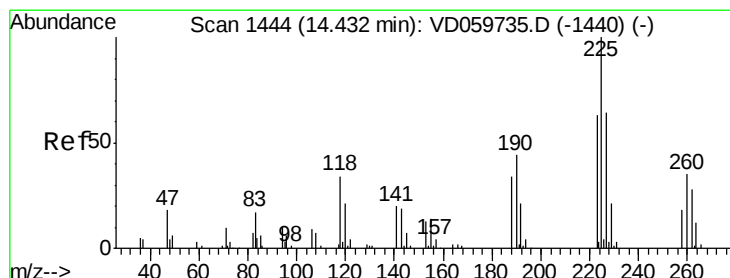
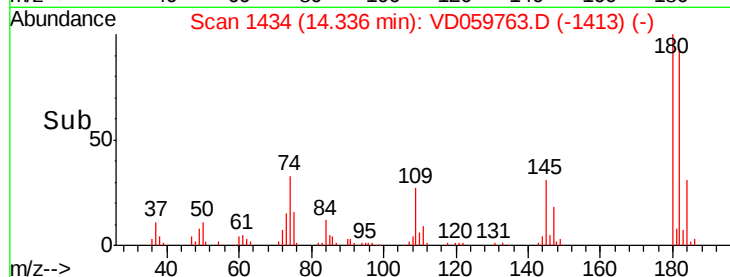
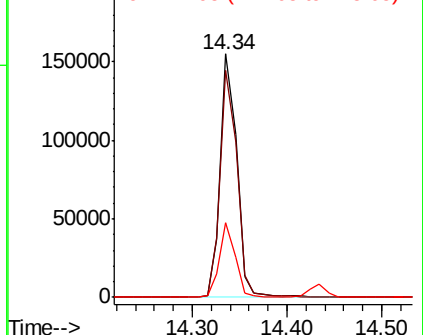
#93
 1,2,4-Trichlorobenzene
 Concen: 47.90 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 189299
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.1 141.4
 145 30.5 15.8 47.3

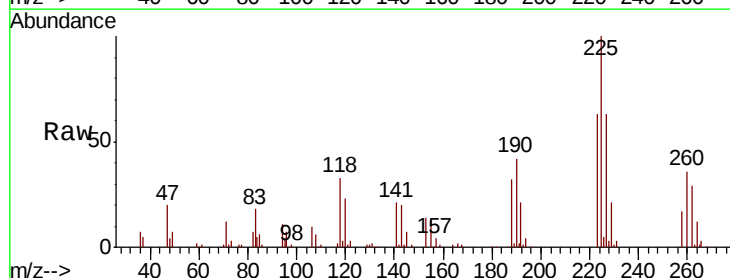


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

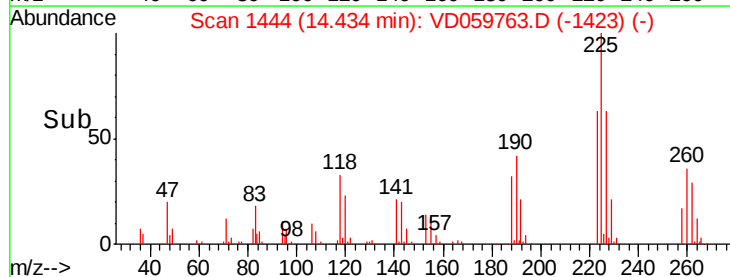
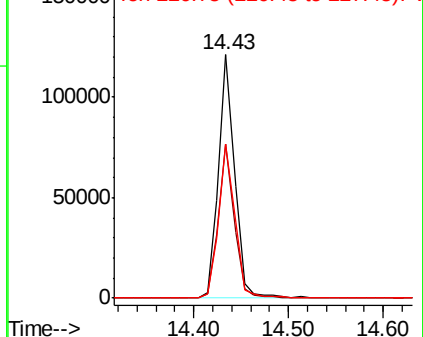


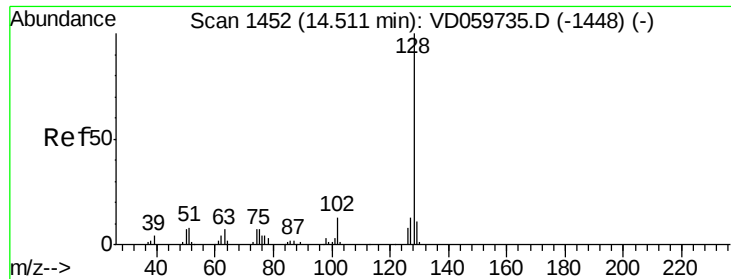
#94
 Hexachlorobutadiene
 Concen: 43.36 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059763.D
 Acq: 14 Aug 2018 13:03

Tgt Ion:225 Resp: 143604
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.5 94.5
 227 63.3 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

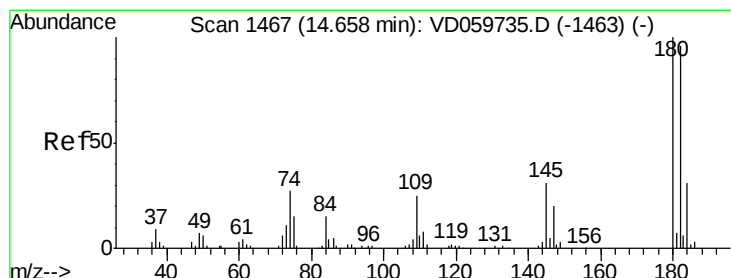
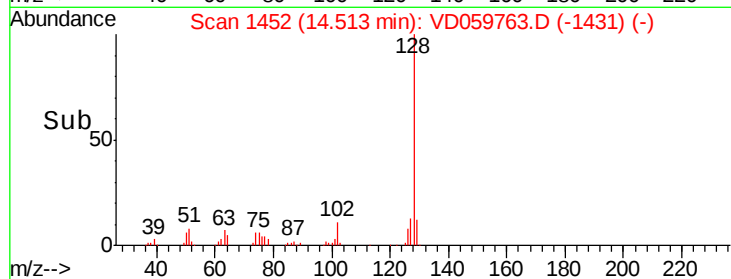
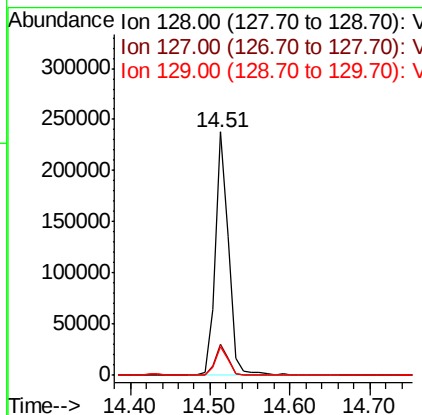
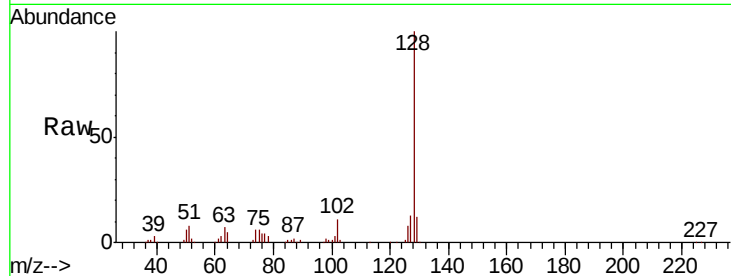




#95
Naphthalene
Concen: 52.61 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 279985
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.01 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059763.D
Acq: 14 Aug 2018 13:03

Tgt Ion:180 Resp: 165589
Ion Ratio Lower Upper
180 100
182 95.7 48.1 144.4
145 28.9 15.4 46.4

