

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059796.D
 Acq On : 15 Aug 2018 14:59
 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 16 07:45:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	312712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	398932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	326069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	177237	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	180845	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
35) Dibromofluoromethane	5.53	113	173584	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	8.69	98	401316	48.74	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.93	95	173150	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	182451	47.88	ug/l	99
3) Chloromethane	1.47	50	99390	47.51	ug/l	96
4) Vinyl Chloride	1.54	62	116181	52.43	ug/l	100
5) Bromomethane	1.79	94	38708	54.87	ug/l	99
6) Chloroethane	1.87	64	47618	51.52	ug/l	100
7) Trichlorofluoromethane	2.07	101	163065	46.86	ug/l	93
8) Diethyl Ether	2.33	74	31706	47.36	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.54	101	95817	49.10	ug/l	97
10) Methyl Iodide	2.68	142	104747	44.37	ug/l	97
11) Tert butyl alcohol	3.24	59	33871	238.27	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	70561	50.01	ug/l	91
13) Acrolein	2.46	56	29334	226.61	ug/l	94
14) Allyl chloride	2.91	41	174352	49.18	ug/l	94
15) Acrylonitrile	3.34	53	114339	229.58	ug/l	95
16) Acetone	2.59	43	189127	298.27	ug/l	99
17) Carbon Disulfide	2.74	76	255993	54.14	ug/l	99
18) Methyl Acetate	2.92	43	62554	46.16	ug/l	97
19) Methyl tert-butyl Ether	3.39	73	316813	46.00	ug/l	98
20) Methylene Chloride	3.06	84	76700	44.29	ug/l	91
21) trans-1,2-Dichloroethene	3.37	96	134847	48.50	ug/l	95
22) Diisopropyl ether	4.05	45	451404	47.20	ug/l	94
23) Vinyl Acetate	4.00	43	1328184	245.20	ug/l	99
24) 1,1-Dichloroethane	3.96	63	263340	46.41	ug/l	98
25) 2-Butanone	4.82	43	260738	268.67	ug/l	99
26) 2,2-Dichloropropane	4.78	77	265688	51.21	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	141478	46.44	ug/l	99
28) Bromochloromethane	5.13	49	102126	45.87	ug/l	98
29) Tetrahydrofuran	5.17	42	97607	235.73	ug/l	98
30) Chloroform	5.31	83	290674	42.66	ug/l	97
31) Cyclohexane	5.58	56	194653	47.70	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	299514	50.00	ug/l	99
36) 1,1-Dichloropropene	5.73	75	206456	50.44	ug/l	96
37) Ethyl Acetate	4.90	43	98832	48.28	ug/l	96
38) Carbon Tetrachloride	5.71	117	248791	50.38	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	189011	53.38	ug/l	100
40) Benzene	6.00	78	436246	50.25	ug/l	96
41) Methacrylonitrile	5.10	41	49502	50.54	ug/l #	93
42) 1,2-Dichloroethane	6.11	62	227495	48.42	ug/l	99
43) Isopropyl Acetate	7.60	43	135306	52.34	ug/l	99
44) Trichloroethene	6.97	130	150074	50.48	ug/l	100
45) 1,2-Dichloropropane	7.33	63	117614	52.12	ug/l	100
46) Dibromomethane	7.45	93	88624	48.02	ug/l	97
47) Bromodichloromethane	7.73	83	218131	48.24	ug/l	97
48) Methyl methacrylate	7.49	41	89630	53.14	ug/l	94
49) 1,4-Dioxane	7.48	88	15876	1068.70	ug/l	94
51) 4-Methyl-2-Pentanone	8.58	43	533713	273.13	ug/l	99
52) Toluene	8.79	92	273246	49.13	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	193425	51.59	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	221840	54.75	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	100456	48.92	ug/l	95
56) Ethyl methacrylate	9.30	69	110096	49.51	ug/l	96
57) 1,3-Dichloropropane	9.66	76	151878	47.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	285303	259.60	ug/l	97
59) 2-Hexanone	9.77	43	415588	296.60	ug/l	98
60) Dibromochloromethane	9.95	129	147731	49.55	ug/l	97
61) 1,2-Dibromoethane	10.09	107	106149	46.67	ug/l	98
64) Tetrachloroethene	9.50	164	136974	48.77	ug/l	97
65) Chlorobenzene	10.72	112	323679	49.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	129000	48.47	ug/l	97
67) Ethyl Benzene	10.86	91	535729	47.12	ug/l	93
68) m/p-Xylenes	11.00	106	372875	96.76	ug/l	87
69) o-Xylene	11.40	106	182667	49.38	ug/l	93
70) Styrene	11.43	104	314724	47.98	ug/l	99
71) Bromoform	11.59	173	101667	52.55	ug/l	99
73) Isopropylbenzene	11.77	105	557014	49.63	ug/l	97
74) N-amyl acetate	11.64	43	176189	51.20	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	109371	47.99	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	120835	48.05	ug/l	97
77) Bromobenzene	12.04	156	157287	49.05	ug/l	92
78) n-propylbenzene	12.14	91	688268	49.17	ug/l	96
79) 2-Chlorotoluene	12.21	91	406118	48.11	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	427708	47.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	33629	57.16	ug/l	87
82) 4-Chlorotoluene	12.32	91	434886	45.39	ug/l	100
83) tert-Butylbenzene	12.57	119	501410	50.50	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	457555	47.25	ug/l	99
85) sec-Butylbenzene	12.75	105	569025	49.45	ug/l	97
86) p-Isopropyltoluene	12.88	119	497366	51.65	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	284152	49.41	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	275371	48.30	ug/l	99
89) n-Butylbenzene	13.19	91	492042	50.54	ug/l	98
90) Hexachloroethane	13.39	117	126497	52.35	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	227224	48.04	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20765	51.07	ug/l	92

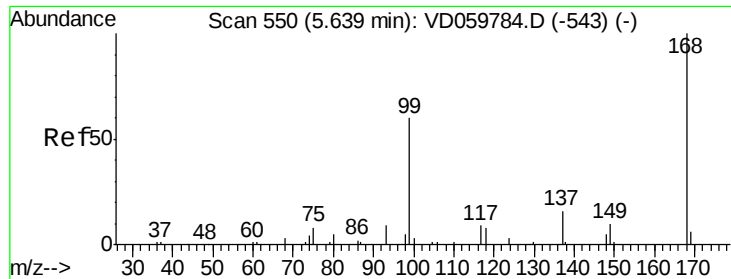
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	203431	51.44	ug/l	96
94) Hexachlorobutadiene	14.43	225	156411	53.58	ug/l	99
95) Naphthalene	14.52	128	291559	48.15	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	183571	52.60	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

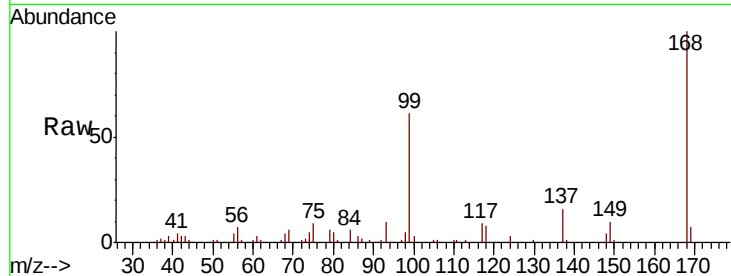
VSTDCCC050

Tot Ion:168 Resp: 312712

Ion Ratio Lower Upper

168 100

99 60.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

120000

100000

80000

60000

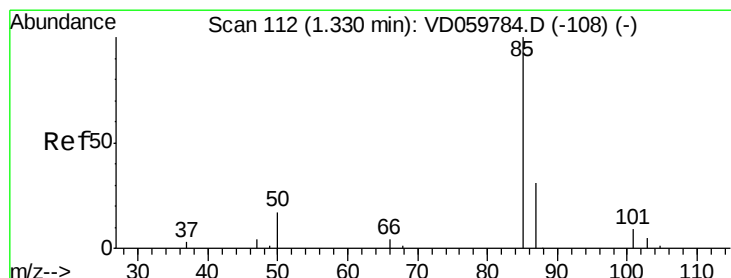
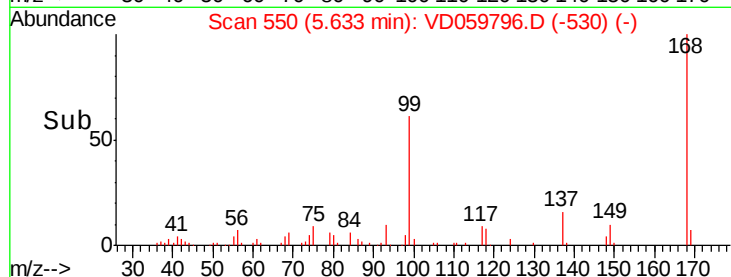
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.88 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059796.D

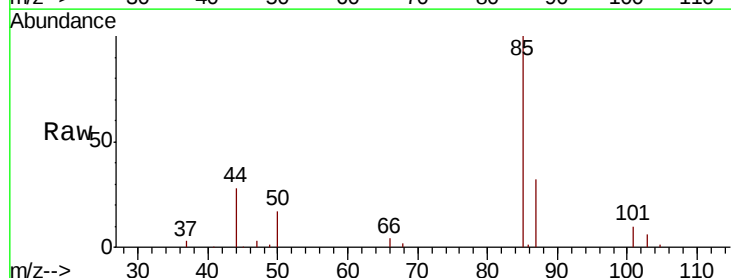
Acq: 15 Aug 2018 14:59

Tgt Ion: 85 Resp: 182451

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

80000

60000

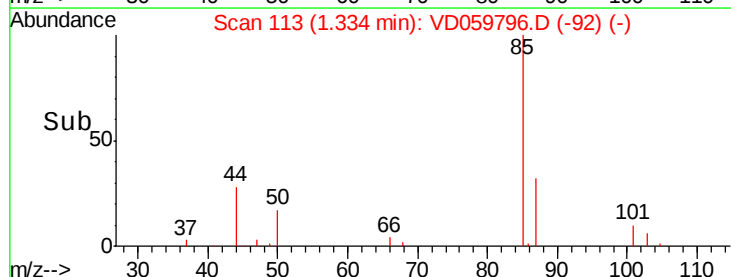
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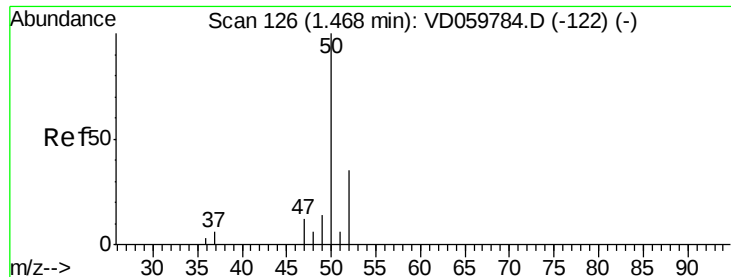
20000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 47.51 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

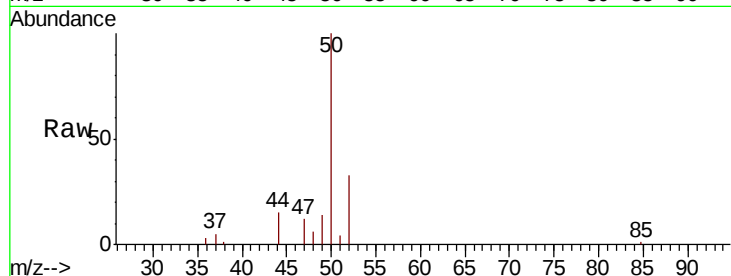
VSTDCCC050

Tot Ion: 50 Resp: 99390

Ion Ratio Lower Upper

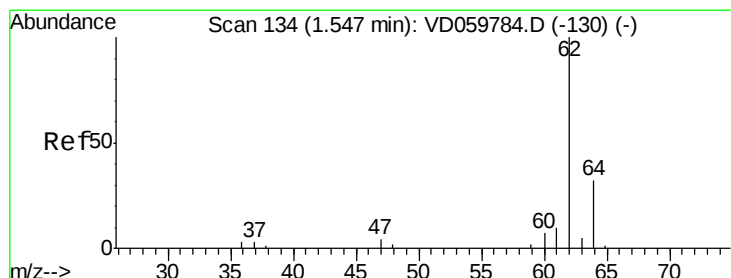
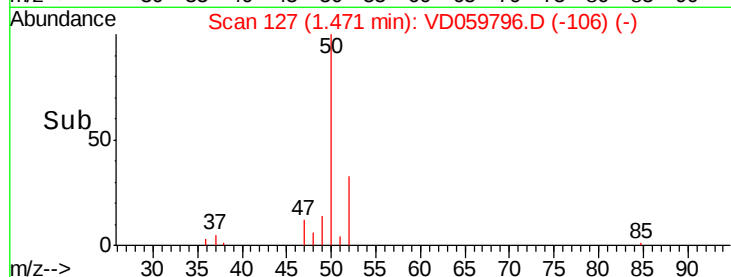
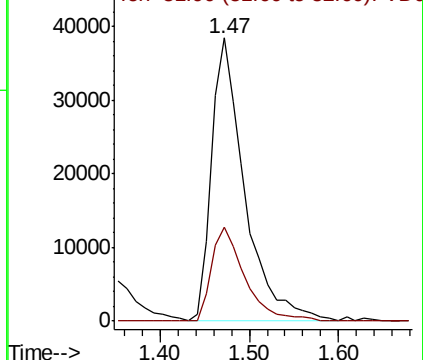
50 100

52 33.1 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.43 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD059796.D

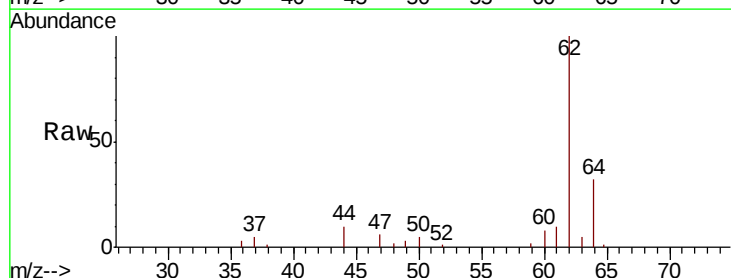
Acq: 15 Aug 2018 14:59

Tgt Ion: 62 Resp: 116181

Ion Ratio Lower Upper

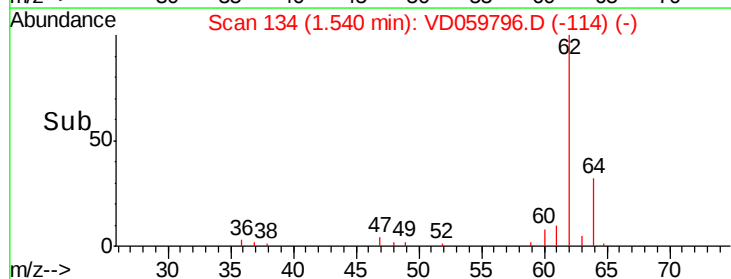
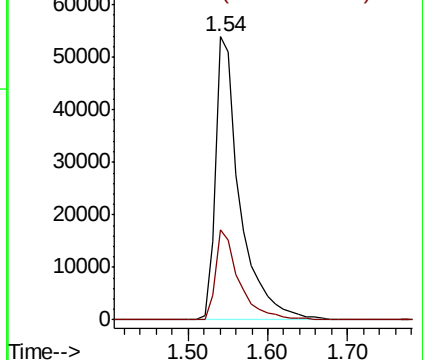
62 100

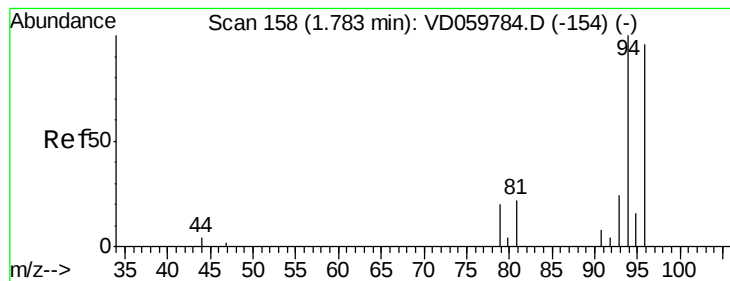
64 31.7 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.87 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

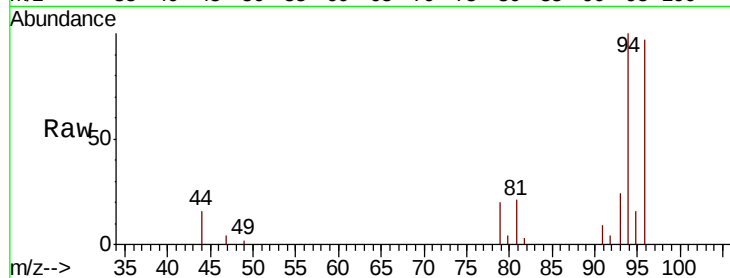
VSTDCCC050

Tot Ion: 94 Resp: 38708

Ion Ratio Lower Upper

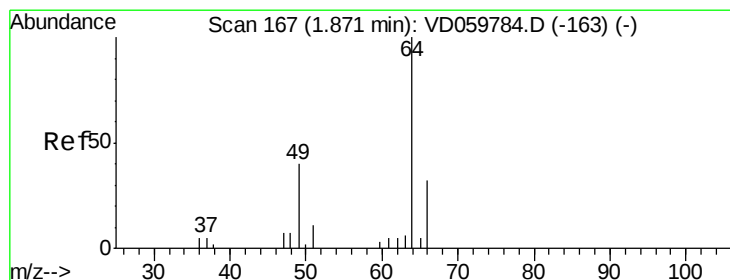
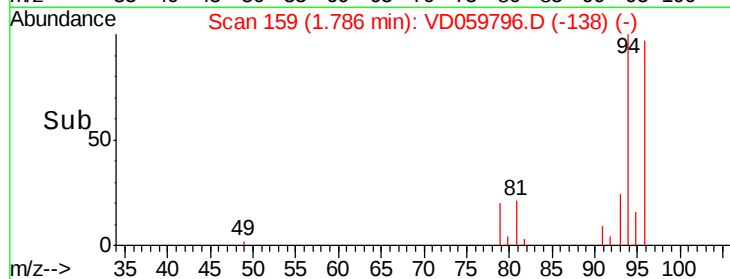
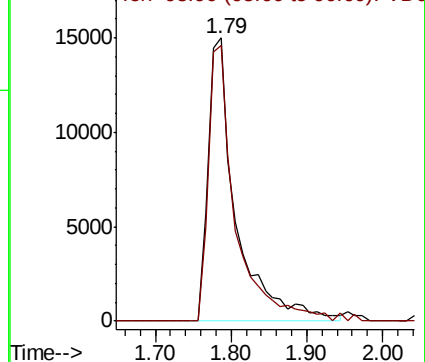
94 100

96 97.3 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.52 ug/l

RT: 1.87 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD059796.D

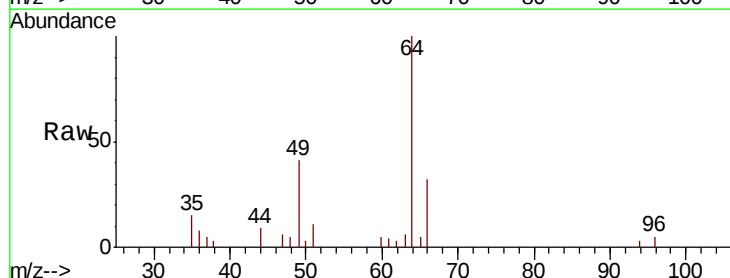
Acq: 15 Aug 2018 14:59

Tgt Ion: 64 Resp: 47618

Ion Ratio Lower Upper

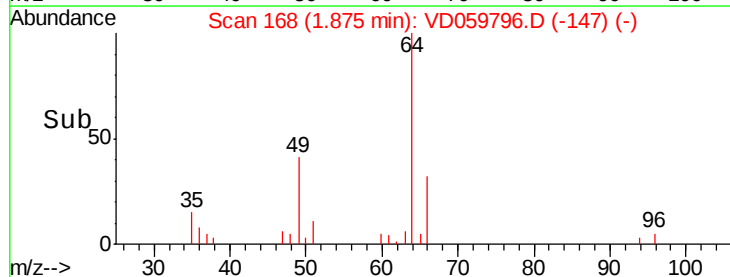
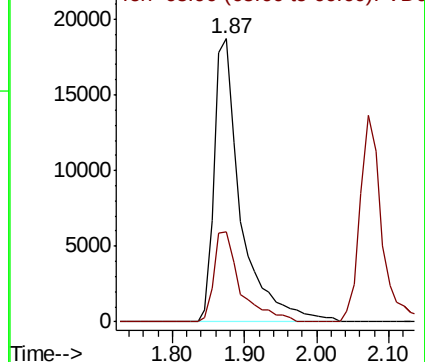
64 100

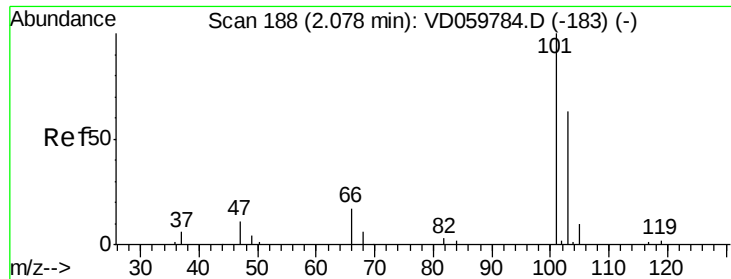
66 31.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



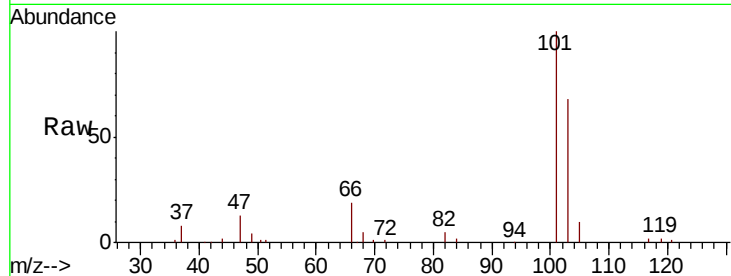


#7

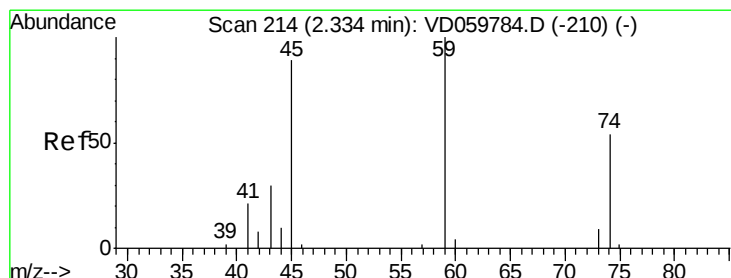
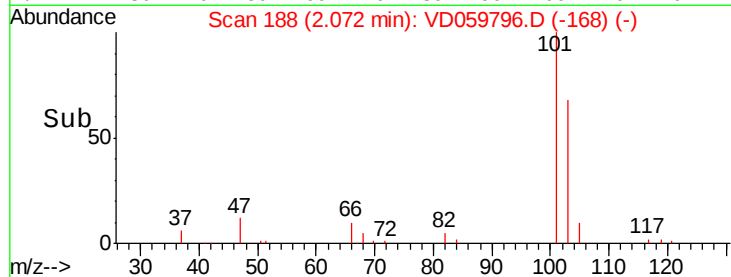
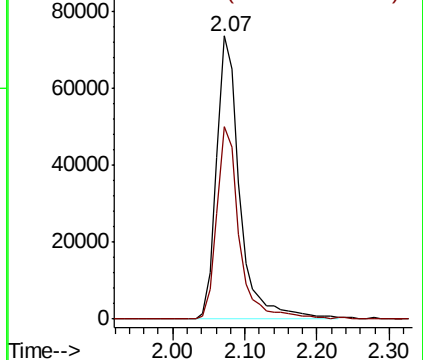
Trichlorofluoromethane
 Concen: 46.86 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 163065
 Ion Ratio Lower Upper
 101 100
 103 68.2 50.4 75.6



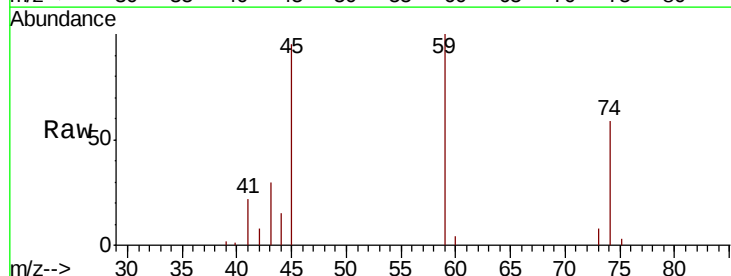
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



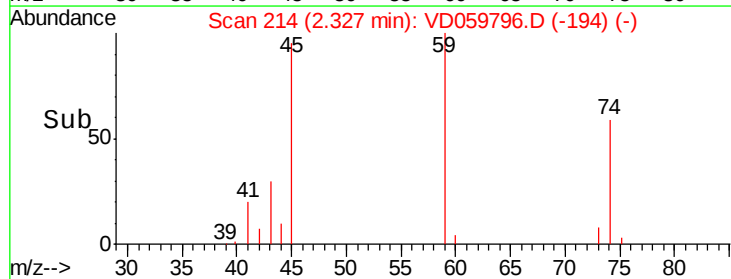
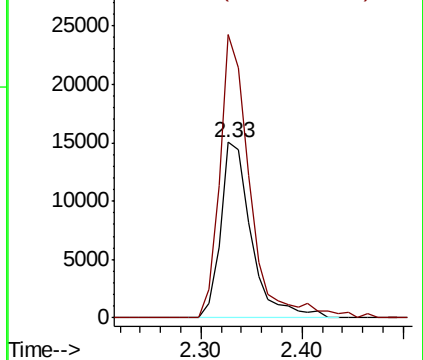
#8

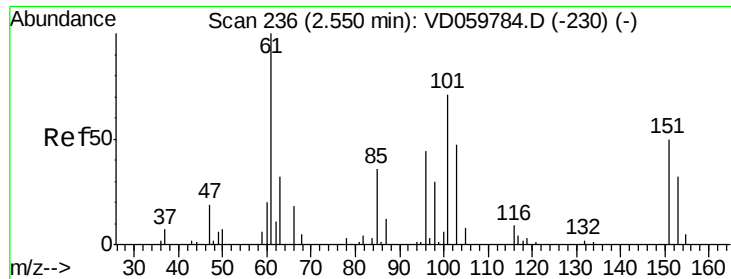
Diethyl Ether
 Concen: 47.36 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 74 Resp: 31706
 Ion Ratio Lower Upper
 74 100
 45 161.2 81.6 244.8



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: 49.10 ug/l

RT: 2.54 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

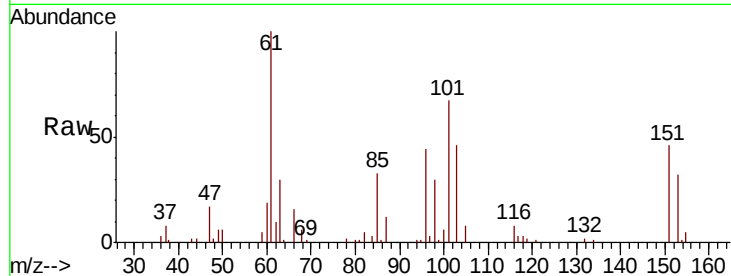
Tot Ion:101 Resp: 95817

Ion Ratio Lower Upper

101 100

85 48.6 40.6 61.0

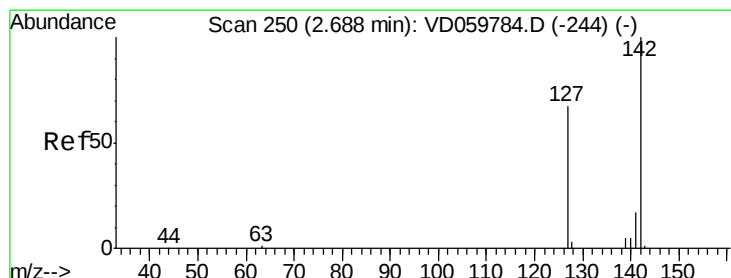
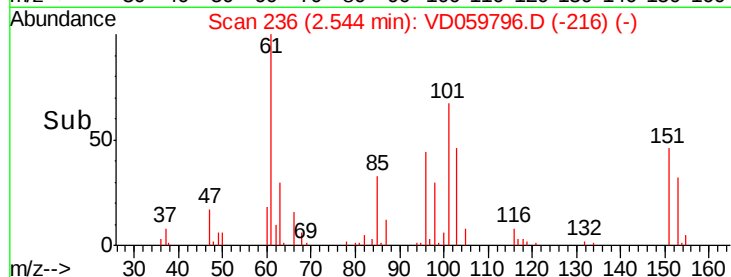
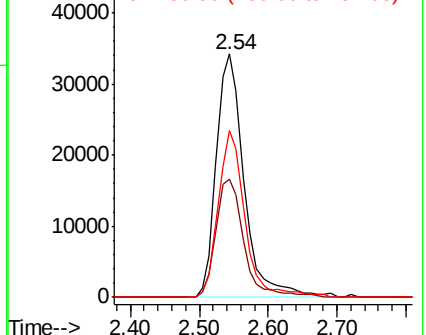
151 68.6 57.1 85.7



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: 44.37 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

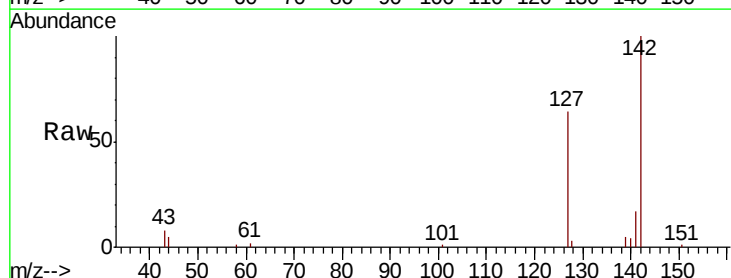
Tgt Ion:142 Resp: 104747

Ion Ratio Lower Upper

142 100

127 64.2 54.0 81.0

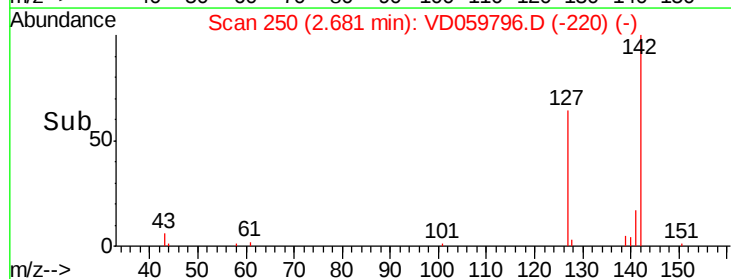
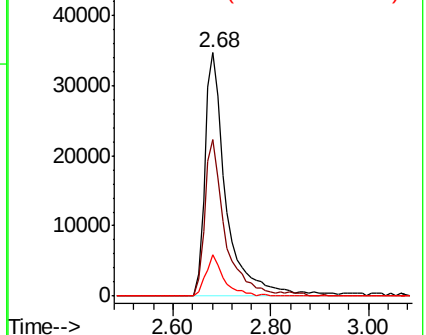
141 16.8 13.3 19.9

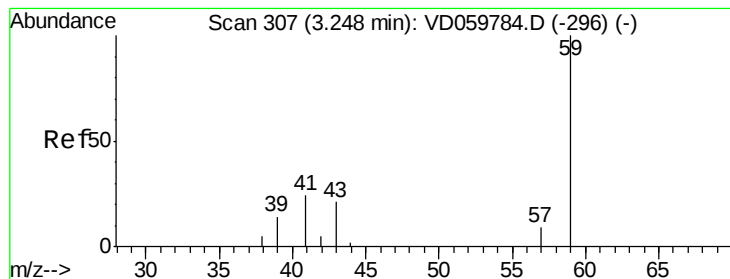


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



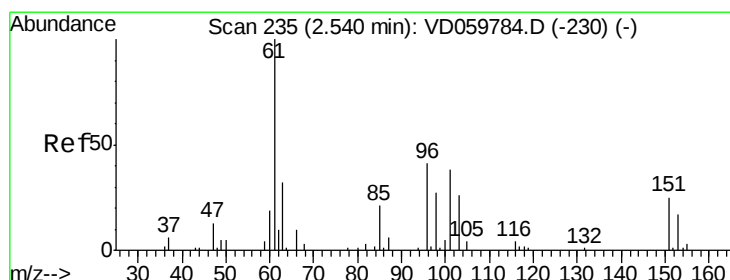
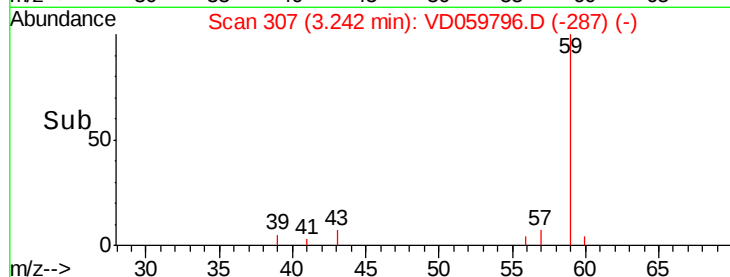
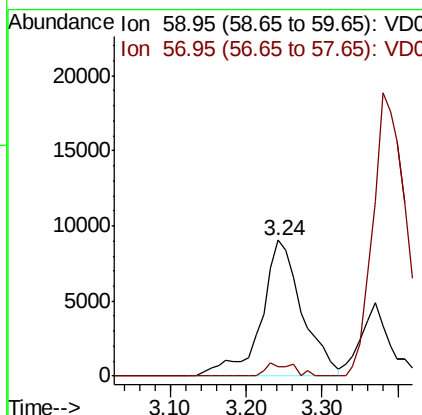
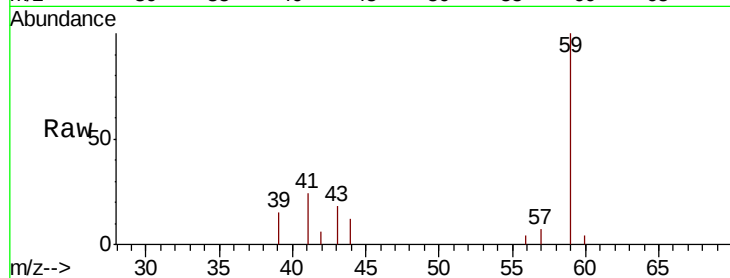


#11

Tert butyl alcohol
 Concen: 238.27 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

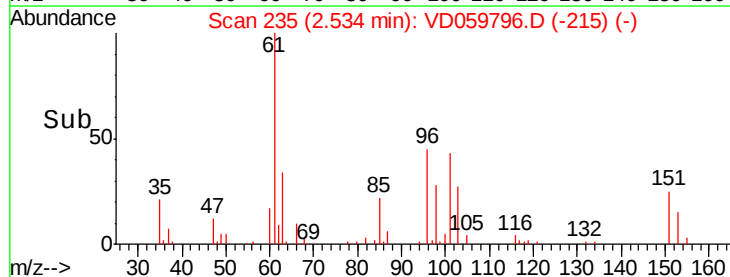
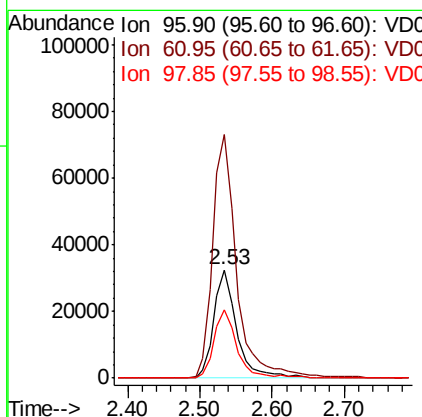
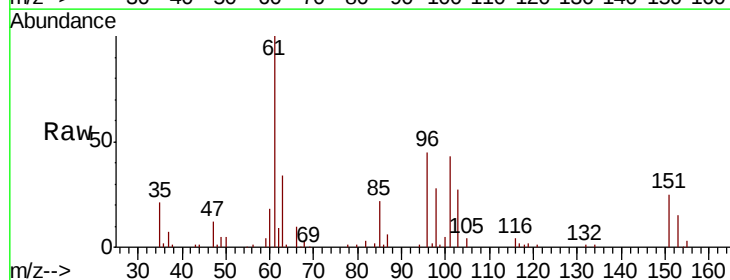
Tot Ion: 59 Resp: 33871
 Ion Ratio Lower Upper
 59 100
 57 6.9 7.5 11.3#

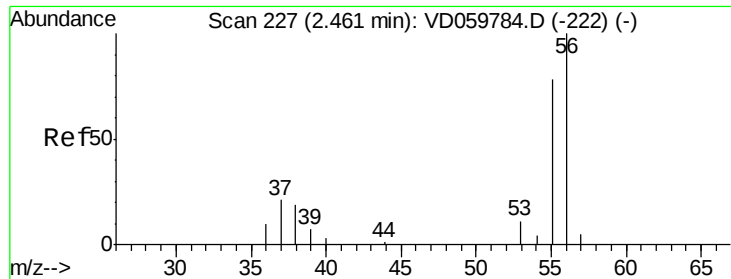


#12

1,1-Dichloroethene
 Concen: 50.01 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 96 Resp: 70561
 Ion Ratio Lower Upper
 96 100
 61 224.2 194.1 291.1
 98 63.0 52.3 78.5





#13

Acrolein

Concen: 226.61 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

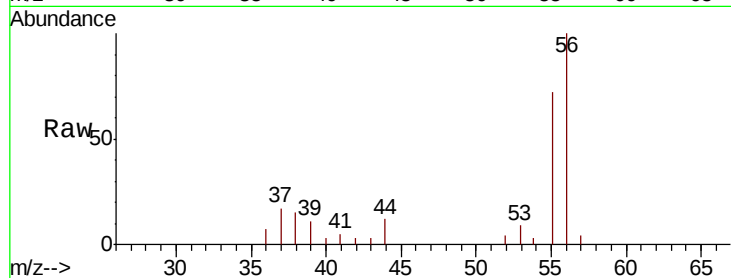
VSTDCCC050

Tot Ion: 56 Resp: 29334

Ion Ratio Lower Upper

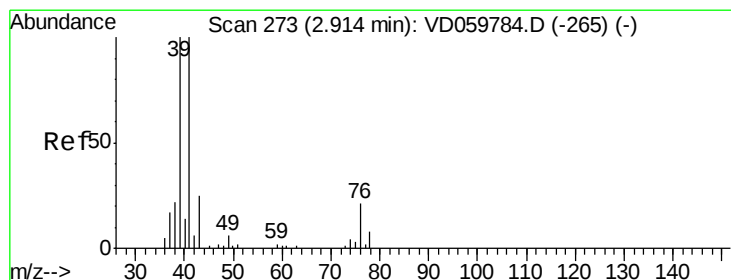
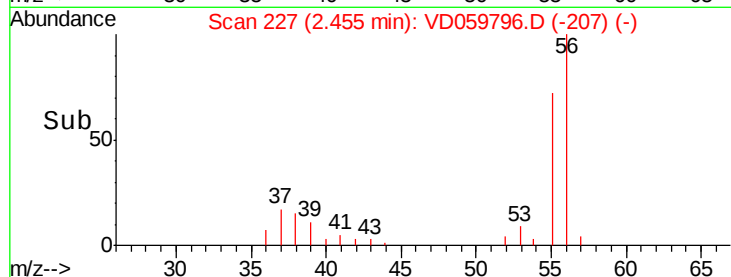
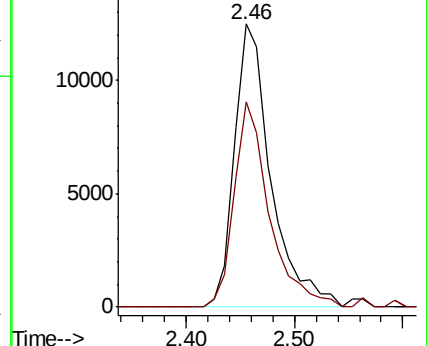
56 100

55 72.4 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.18 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

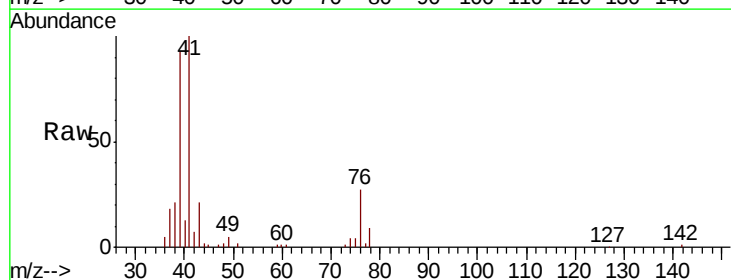
Tgt Ion: 41 Resp: 174352

Ion Ratio Lower Upper

41 100

39 93.3 79.8 119.6

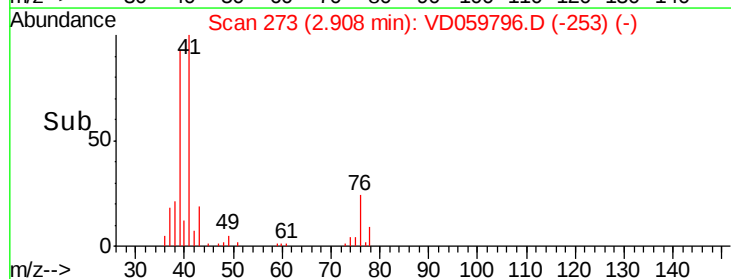
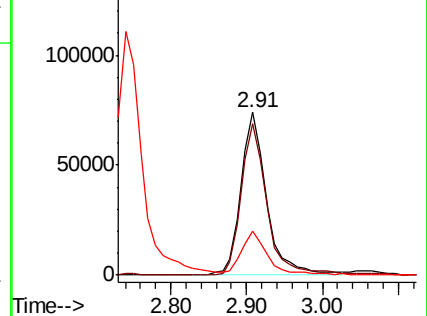
76 27.4 20.4 30.6

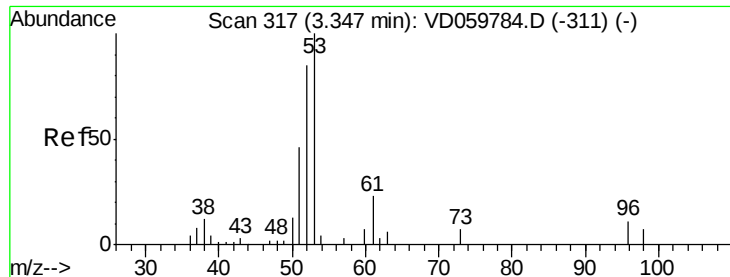


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 229.58 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

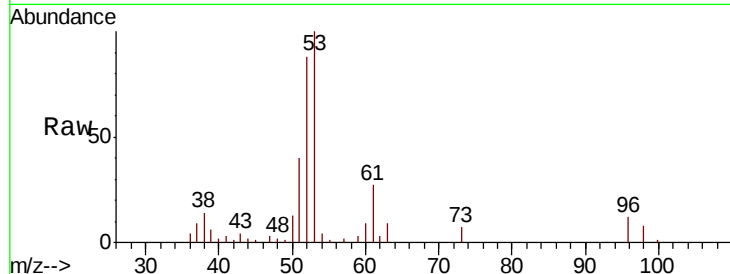
Tot Ion: 53 Resp: 114339

Ion Ratio Lower Upper

53 100

52 87.7 68.2 102.2

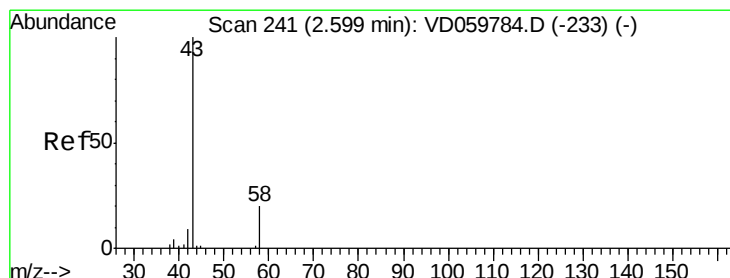
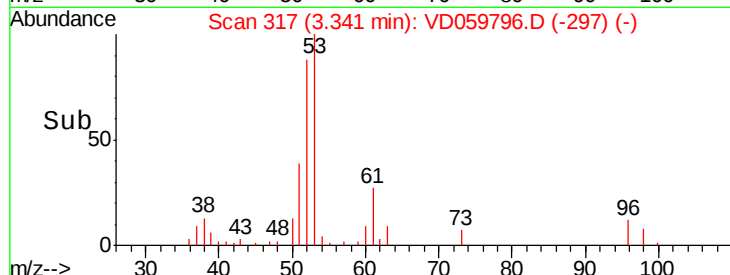
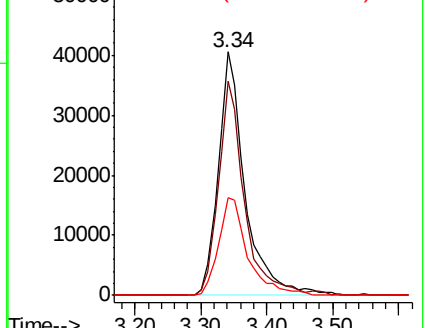
51 40.4 36.6 54.8



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: 298.27 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059796.D

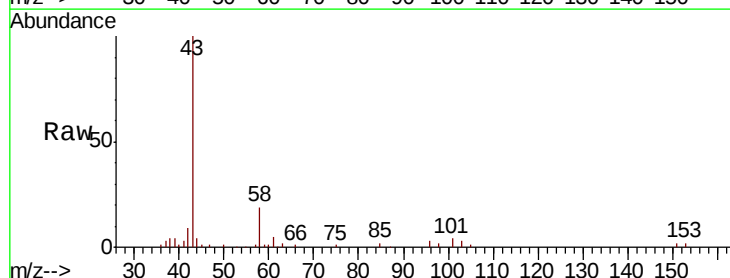
Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 189127

Ion Ratio Lower Upper

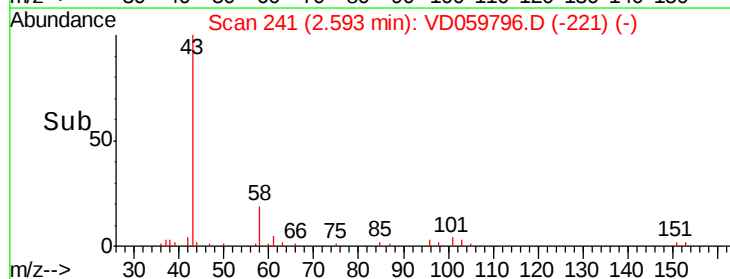
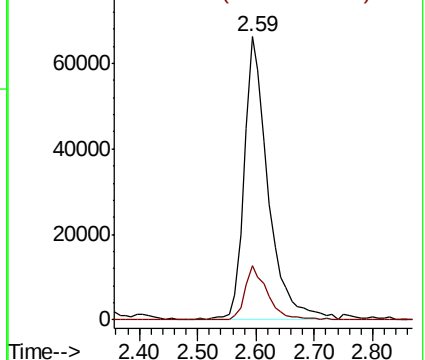
43 100

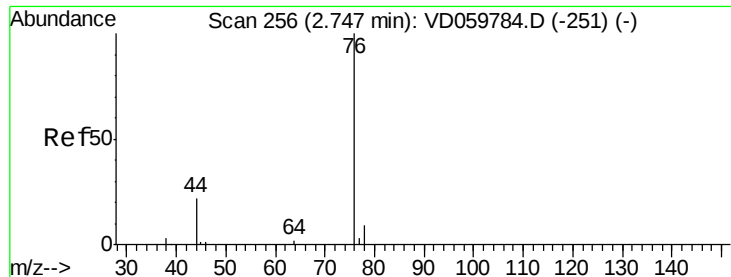
58 19.0 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

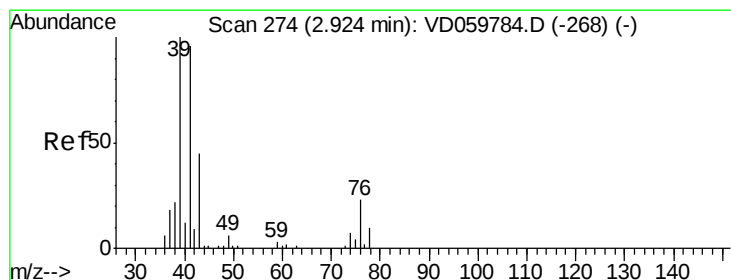
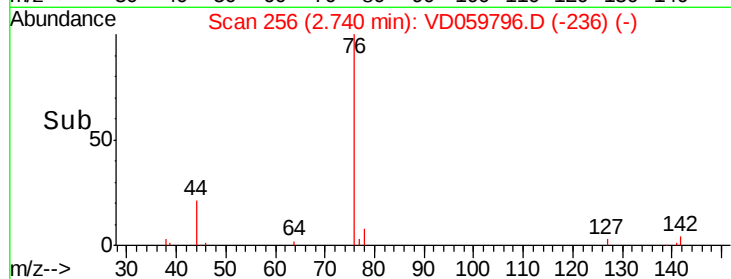
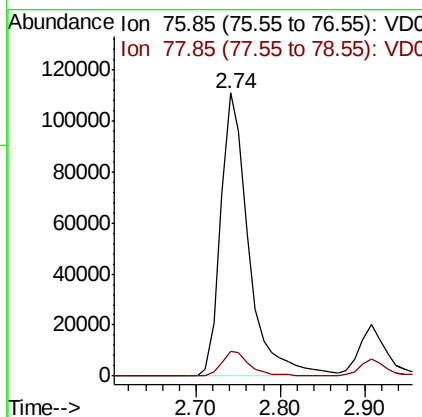
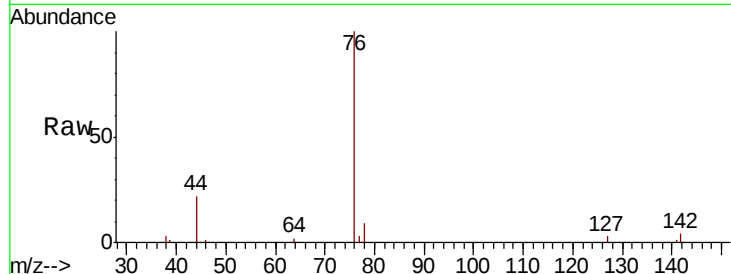




#17
Carbon Disulfide
Concen: 54.14 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

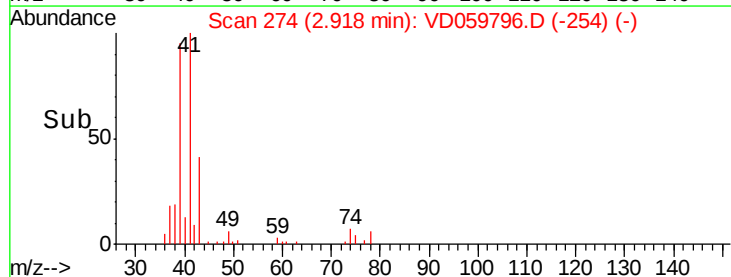
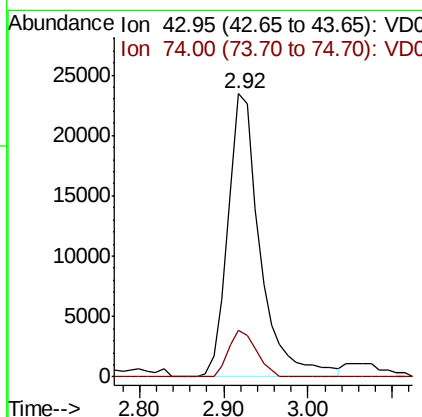
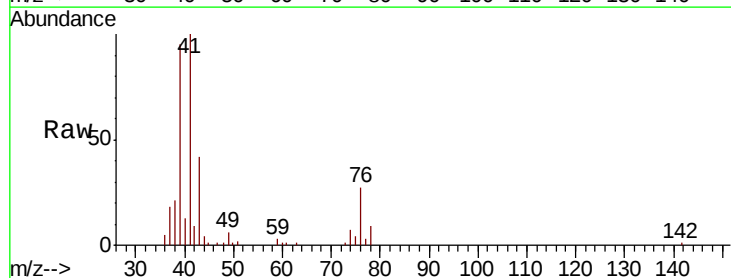
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

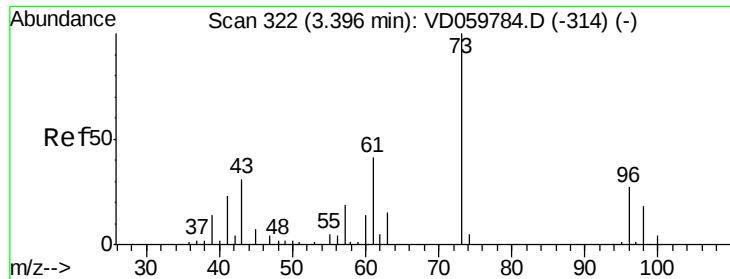
Tot Ion: 76 Resp: 255993
Ion Ratio Lower Upper
76 100
78 8.8 6.9 10.3



#18
Methyl Acetate
Concen: 46.16 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 62554
Ion Ratio Lower Upper
43 100
74 16.6 12.4 18.6

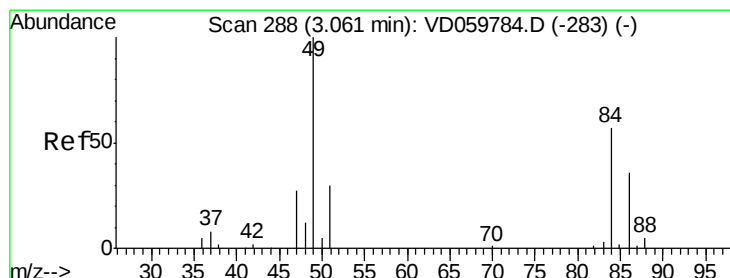
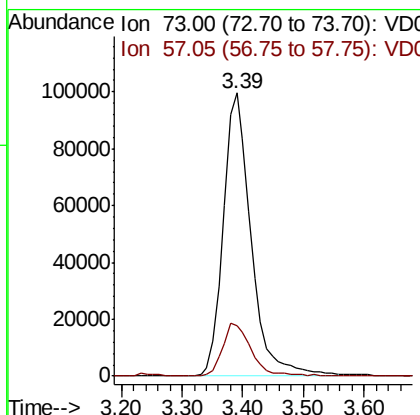
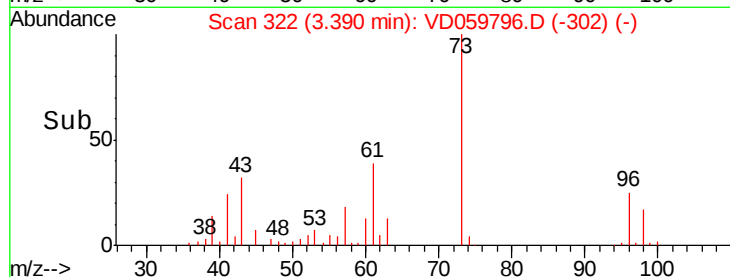
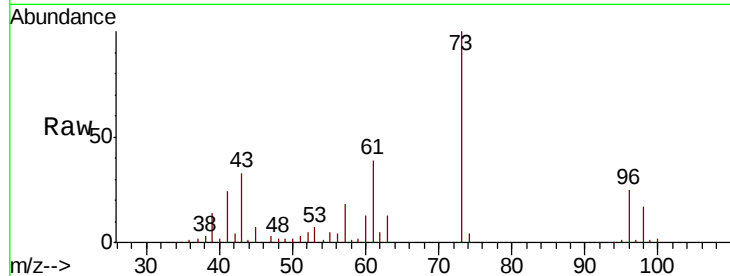




#19
Methvl tert-butvl Ether
Concen: 46.00 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

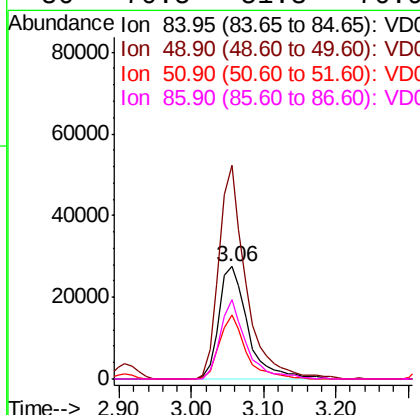
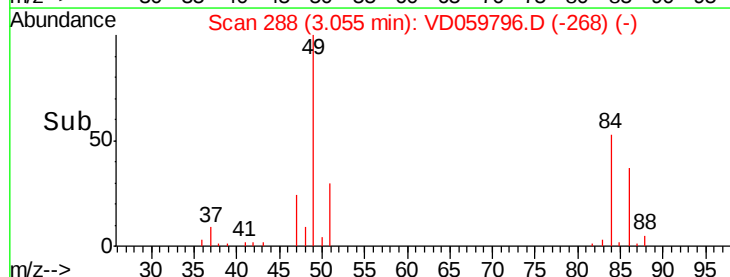
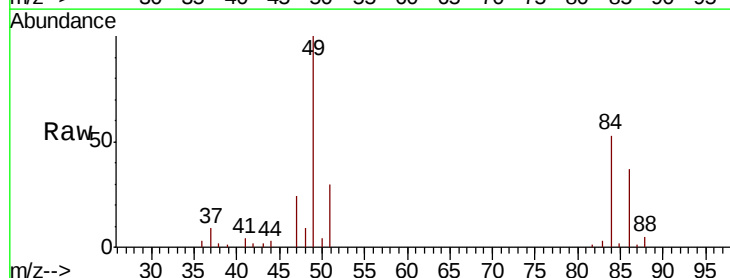
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

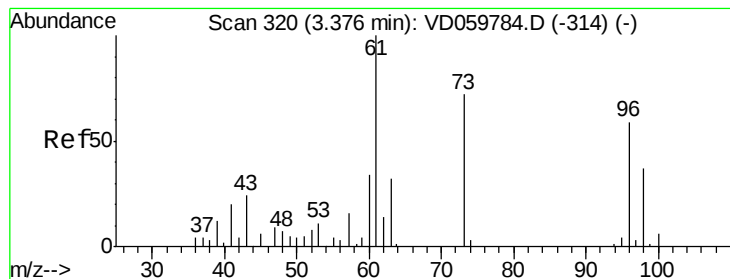
Tot Ion: 73 Resp: 316813
Ion Ratio Lower Upper
73 100
57 17.6 14.8 22.2



#20
Methylene Chloride
Concen: 44.29 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 84 Resp: 76700
Ion Ratio Lower Upper
84 100
49 190.0 140.9 211.3
51 57.3 42.8 64.2
86 70.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.50 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

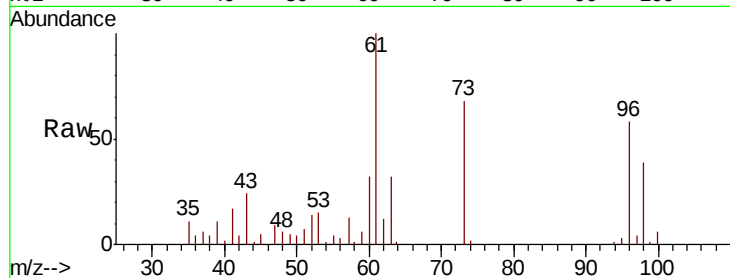
Tot Ion: 96 Resp: 134847

Ion Ratio Lower Upper

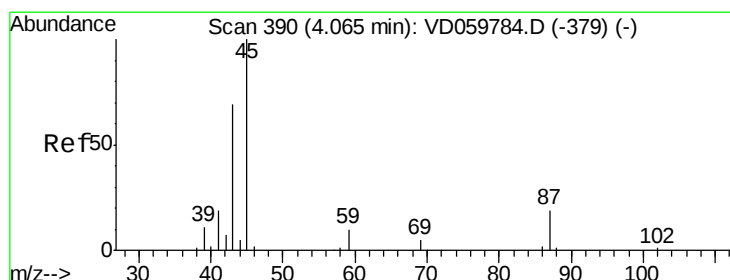
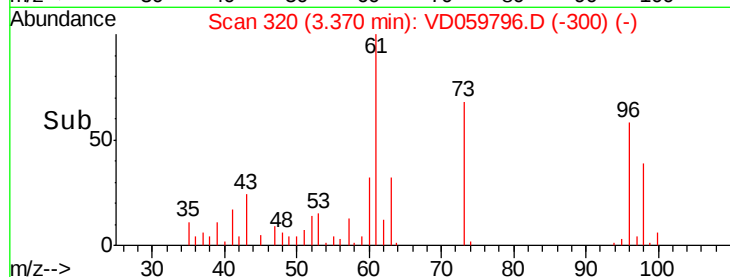
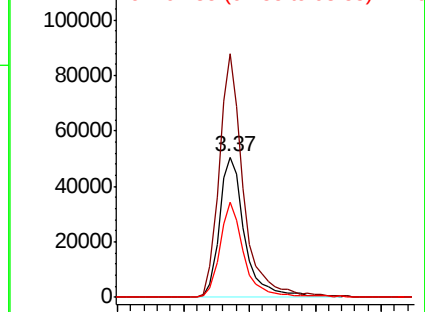
96 100

61 173.7 134.8 202.2

98 67.7 50.0 75.0



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



#22

Diisopropyl ether

Concen: 47.20 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.02 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Tgt Ion: 45 Resp: 451404

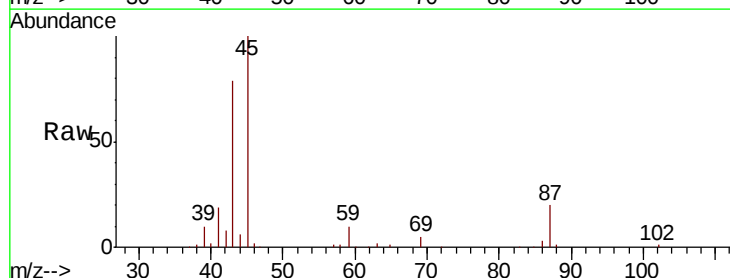
Ion Ratio Lower Upper

45 100

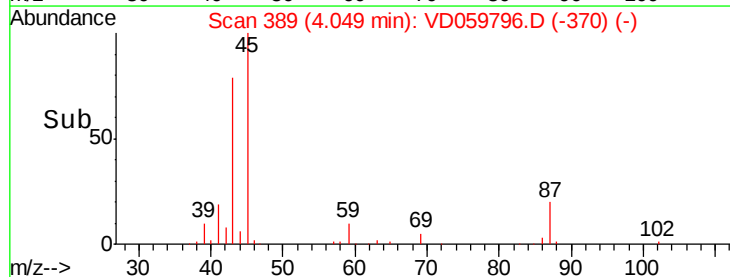
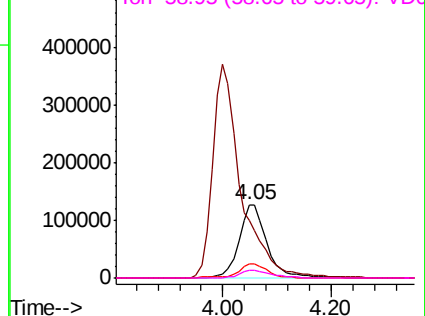
43 78.9 57.5 86.3

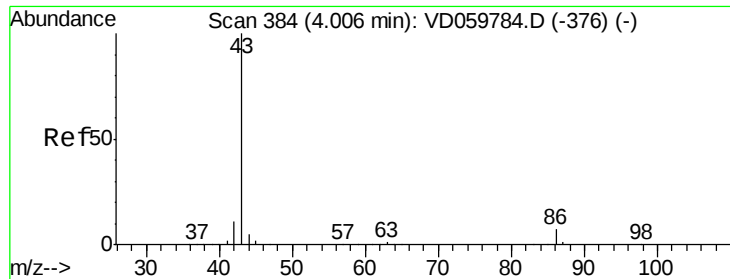
87 19.6 16.1 24.1

59 10.4 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 245.20 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

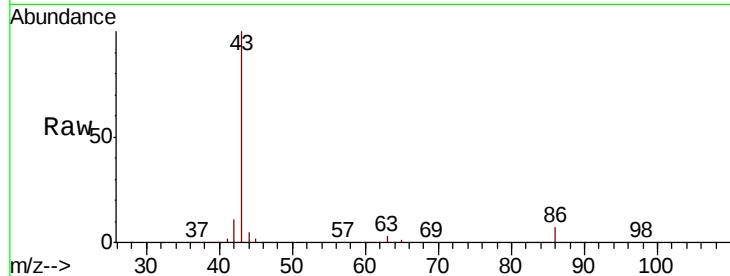
VSTDCCC050

Tot Ion: 43 Resp: 1328184

Ion Ratio Lower Upper

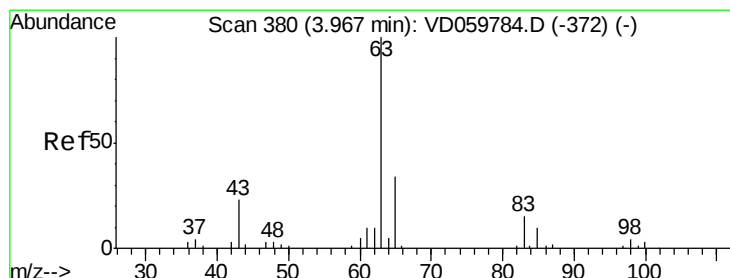
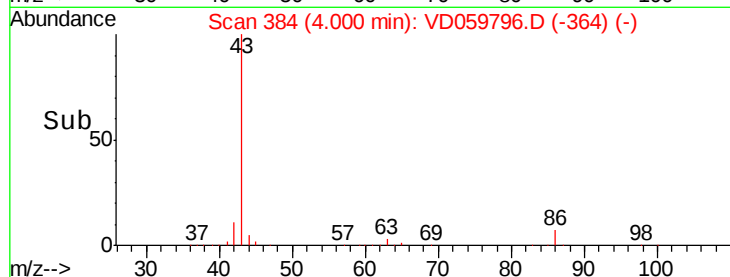
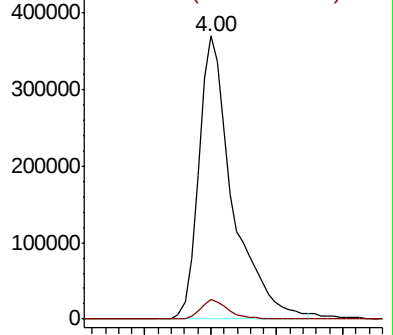
43 100

86 7.0 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.41 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

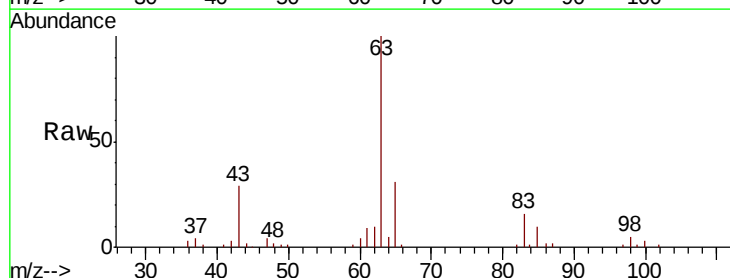
Tgt Ion: 63 Resp: 263340

Ion Ratio Lower Upper

63 100

98 5.2 2.2 6.6

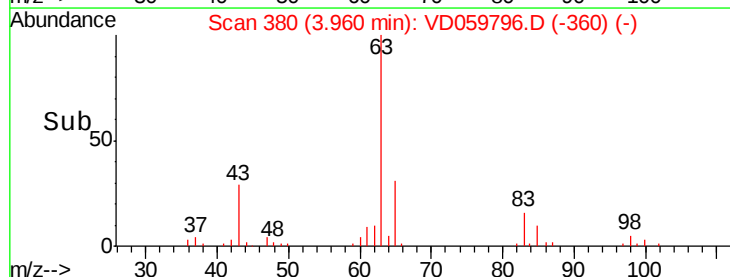
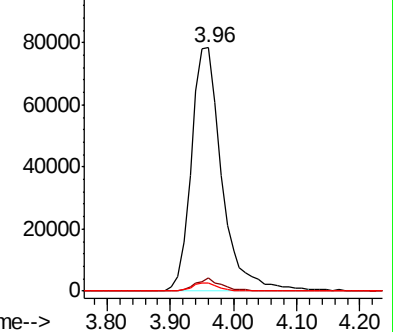
100 3.1 1.6 4.7

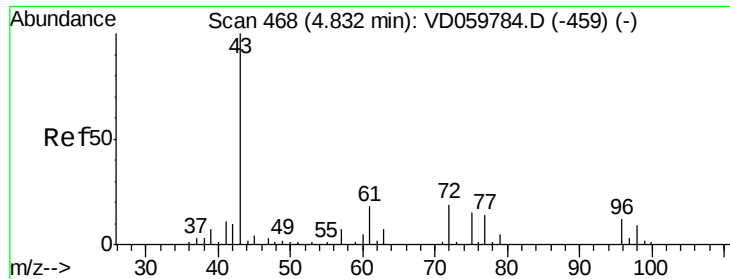


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 268.67 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

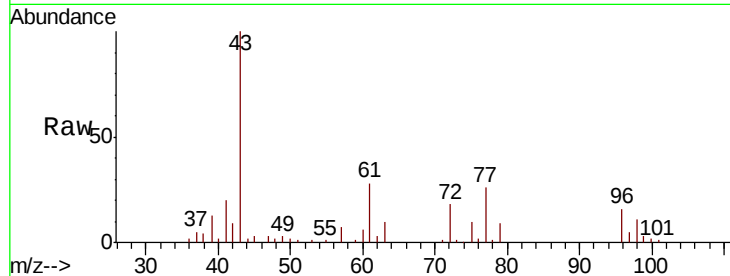
VSTDCCC050

Tot Ion: 43 Resp: 260738

Ion Ratio Lower Upper

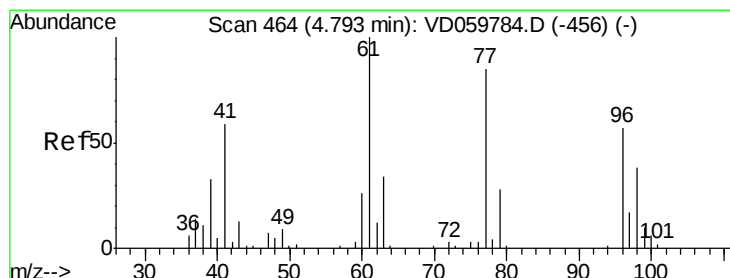
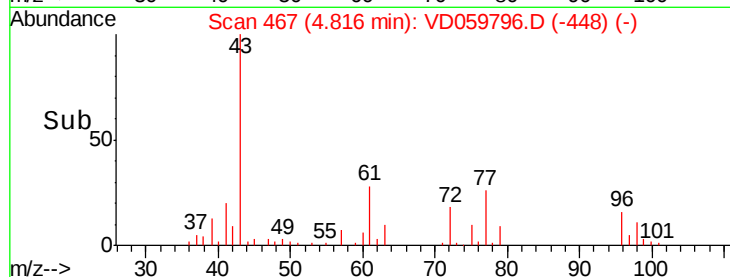
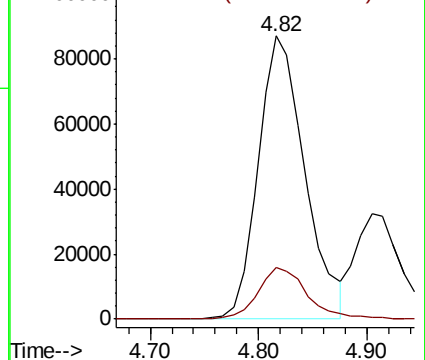
43 100

72 18.3 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.21 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059796.D

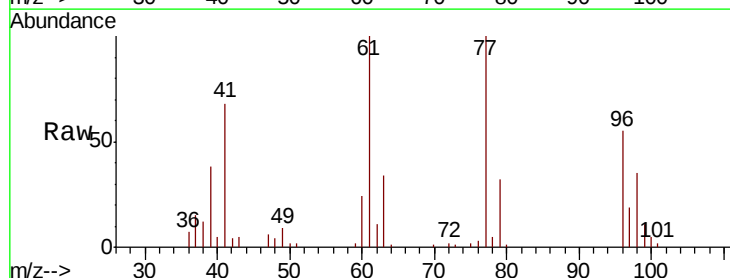
Acq: 15 Aug 2018 14:59

Tgt Ion: 77 Resp: 265688

Ion Ratio Lower Upper

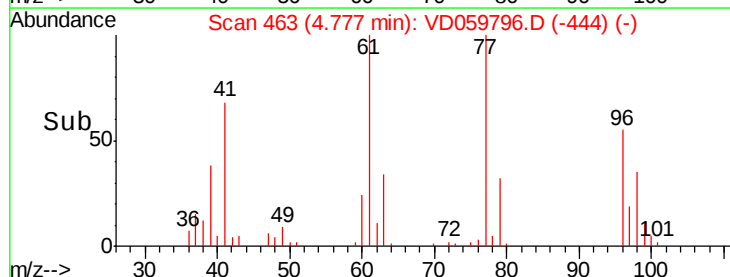
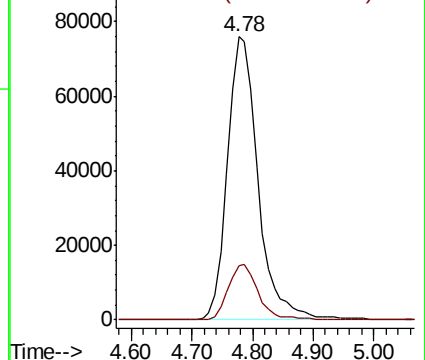
77 100

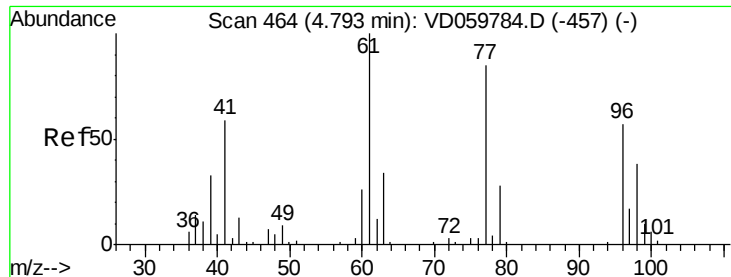
97 19.2 10.3 30.8



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: 46.44 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

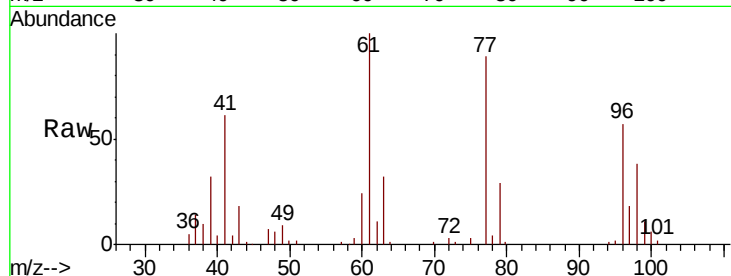
Tot Ion: 96 Resp: 141478

Ion Ratio Lower Upper

96 100

61 174.1 0.0 351.6

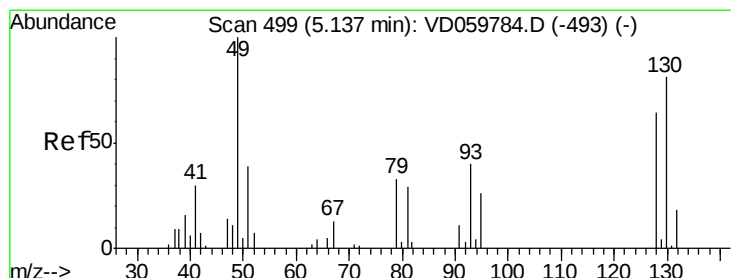
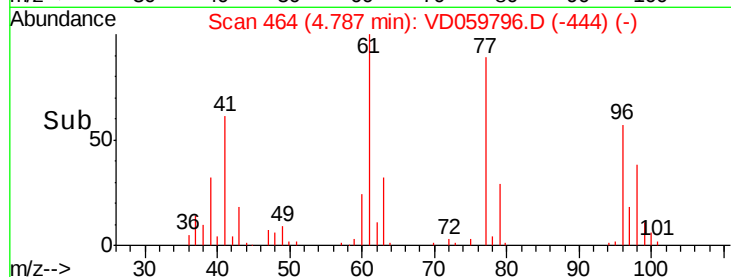
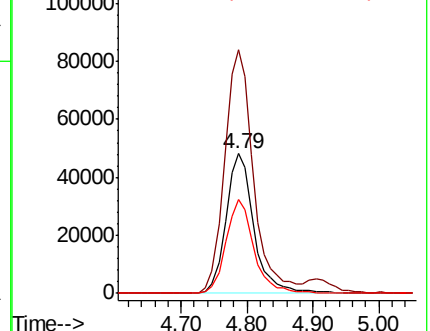
98 66.8 0.0 135.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 45.87 ug/l

RT: 5.13 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

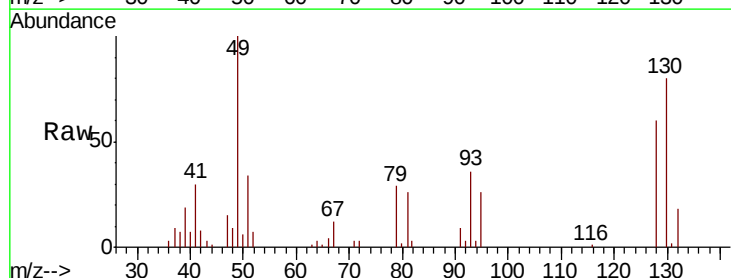
Tgt Ion: 49 Resp: 102126

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.0

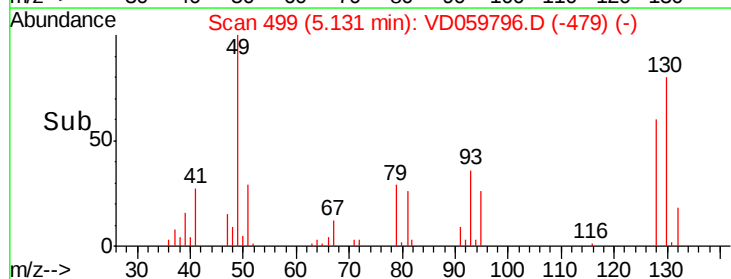
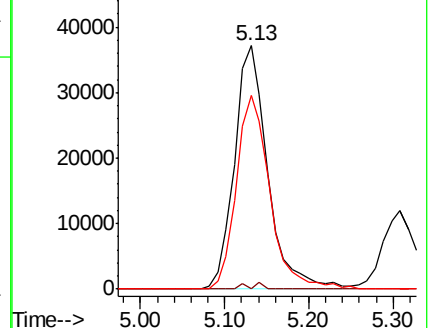
130 79.8 64.8 97.2

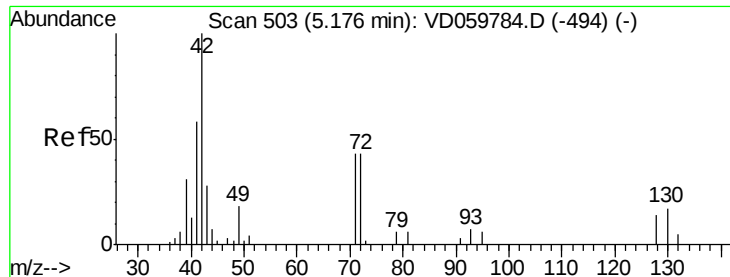


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.73 ug/l

RT: 5.17 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

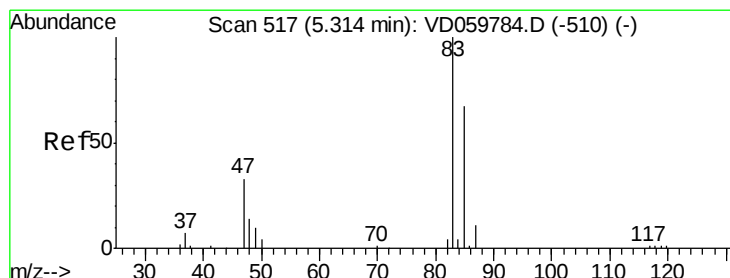
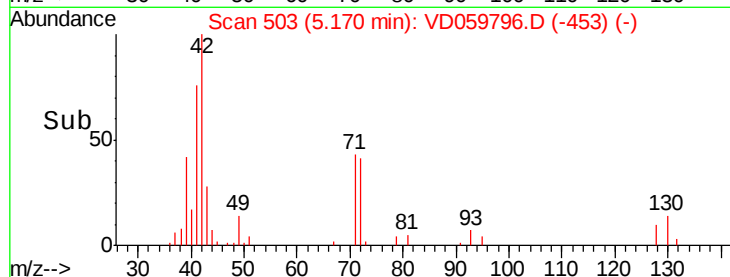
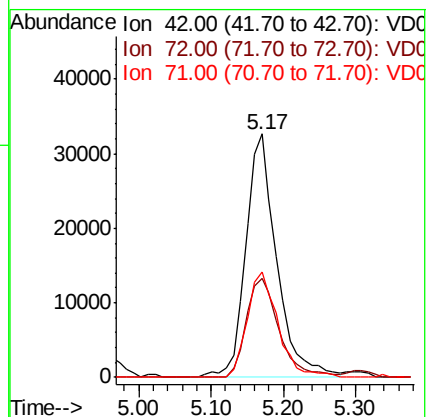
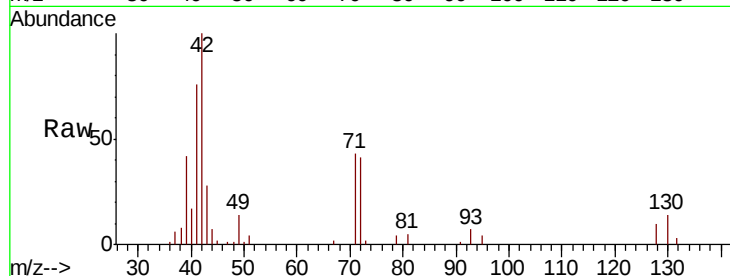
Tot Ion: 42 Resp: 97607

Ion Ratio Lower Upper

42 100

72 43.2 34.3 51.5

71 43.2 33.0 49.6



#30

Chloroform

Concen: 42.66 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD059796.D

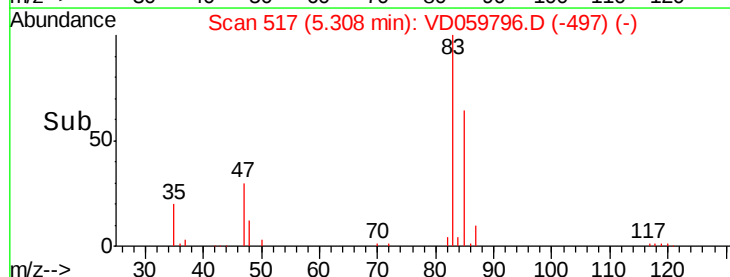
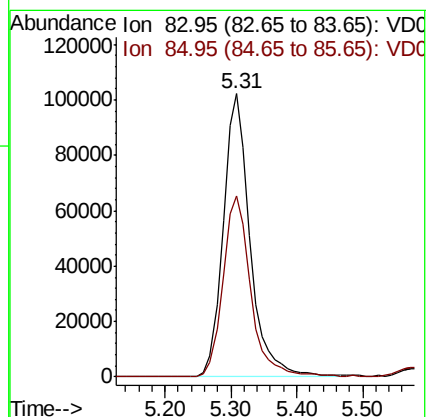
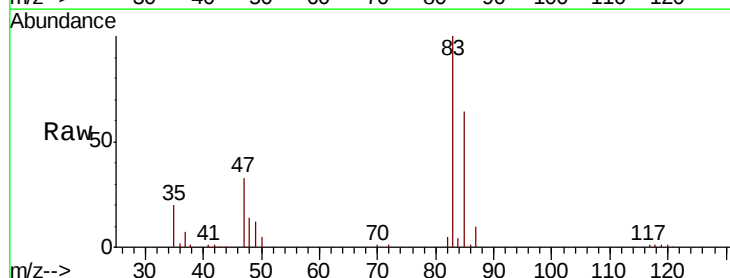
Acq: 15 Aug 2018 14:59

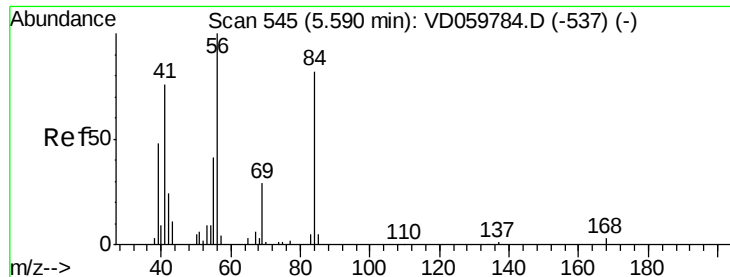
Tgt Ion: 83 Resp: 290674

Ion Ratio Lower Upper

83 100

85 64.2 53.4 80.2

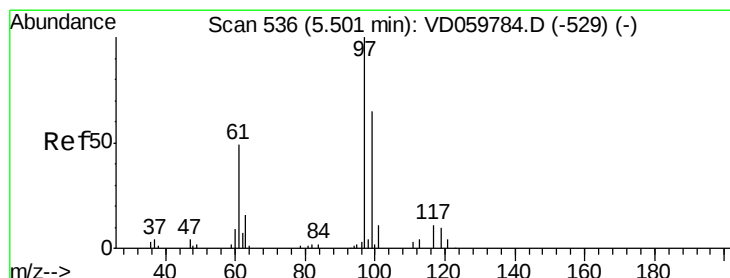
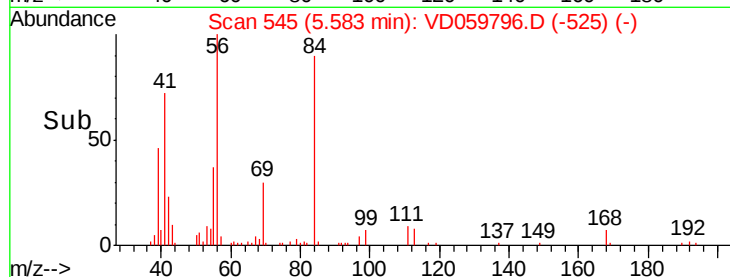
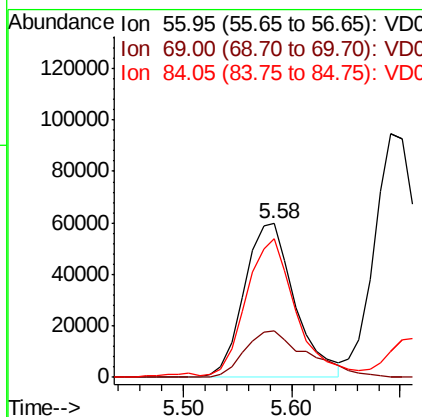
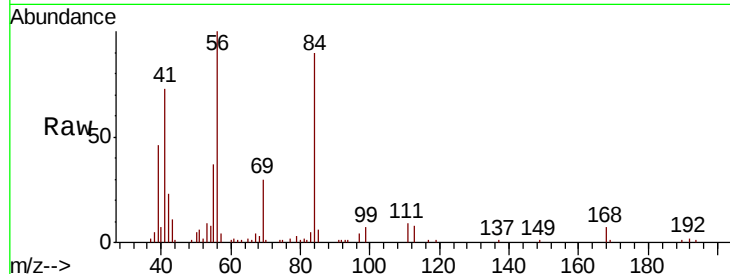




#31
Cyclohexane
Concen: 47.70 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

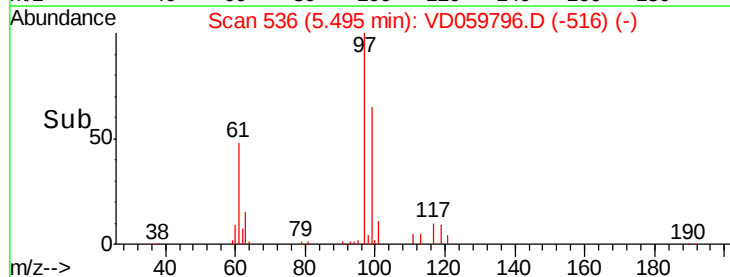
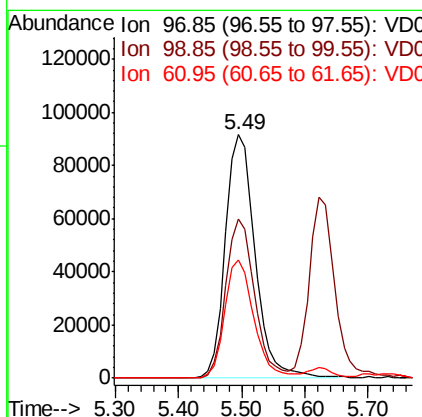
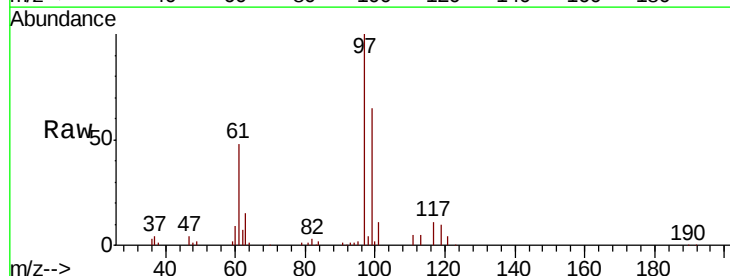
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

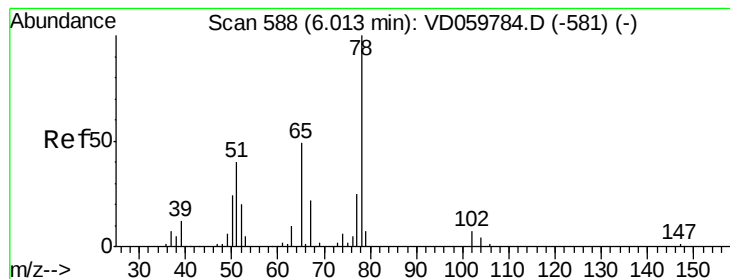
Tot Ion: 56 Resp: 194653
Ion Ratio Lower Upper
56 100
69 30.4 23.4 35.2
84 90.4 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 50.00 ug/l
RT: 5.49 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 97 Resp: 299514
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.2
61 48.4 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 50.00 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

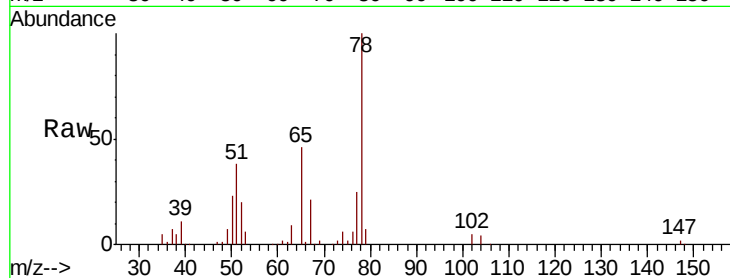
VSTDCCC050

Tot Ion: 65 Resp: 180845

Ion Ratio Lower Upper

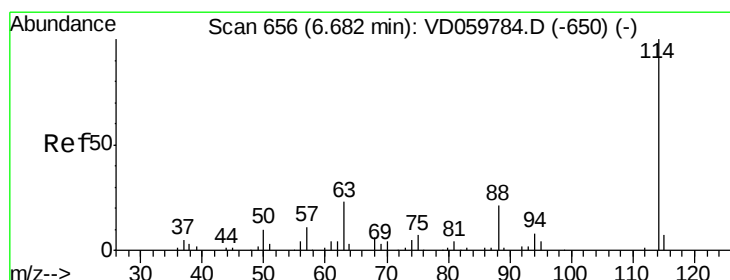
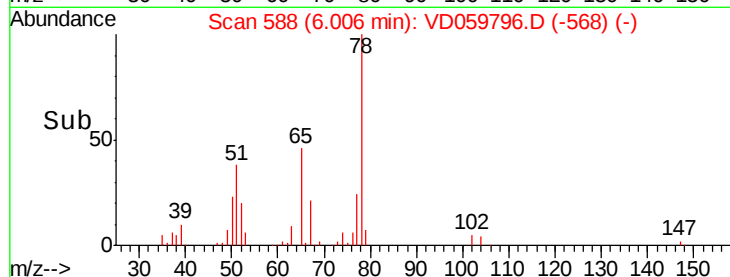
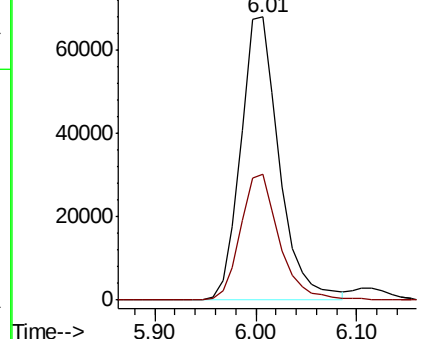
65 100

67 44.7 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

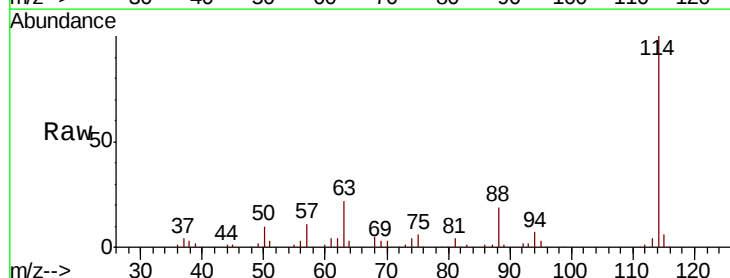
Tgt Ion: 114 Resp: 398932

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

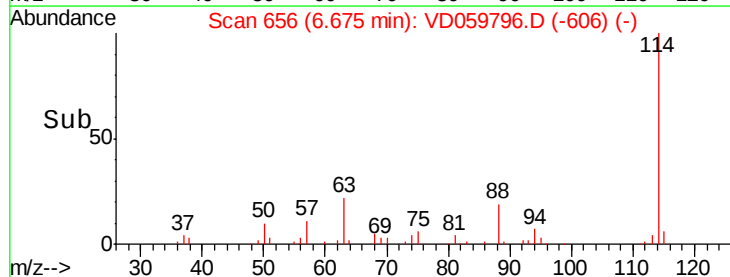
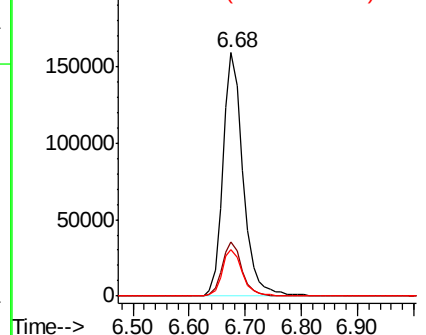
88 19.1 0.0 41.2

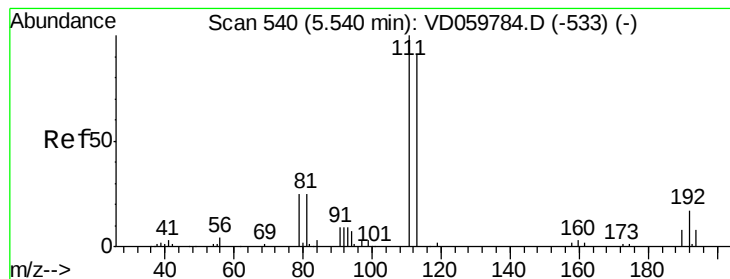


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

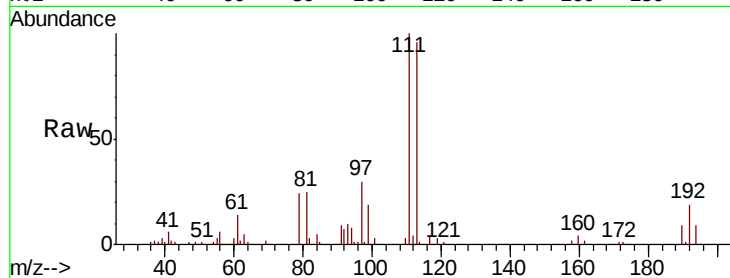
Tot Ion:113 Resp: 173584

Ion Ratio Lower Upper

113 100

111 103.7 87.7 131.5

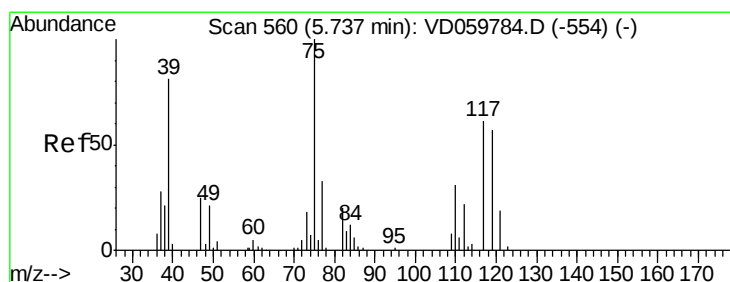
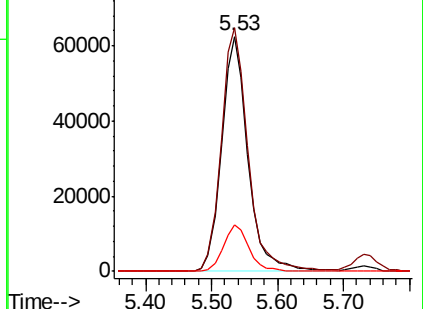
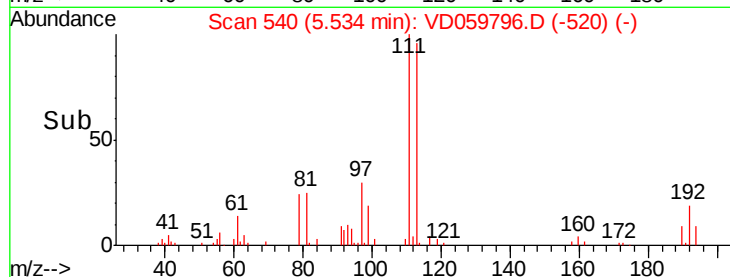
192 20.0 14.6 21.8



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: 50.44 ug/l

RT: 5.73 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

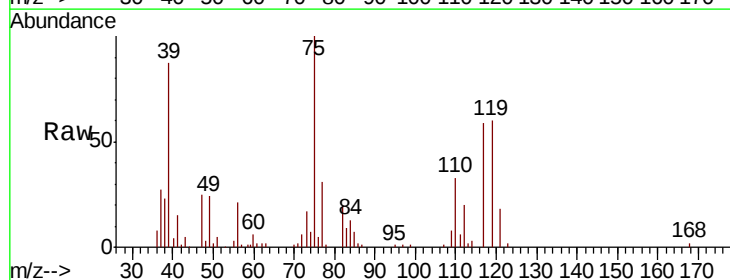
Tgt Ion: 75 Resp: 206456

Ion Ratio Lower Upper

75 100

110 33.3 15.3 45.8

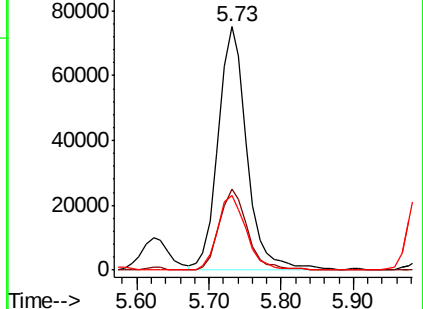
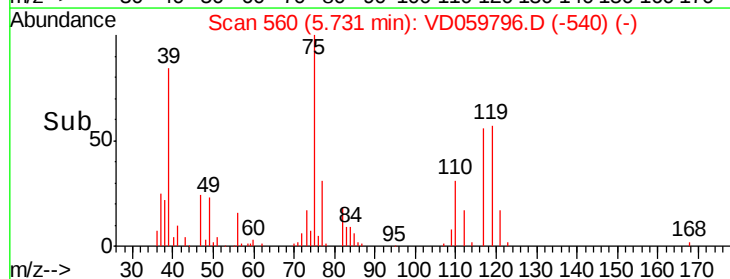
77 30.7 26.2 39.4

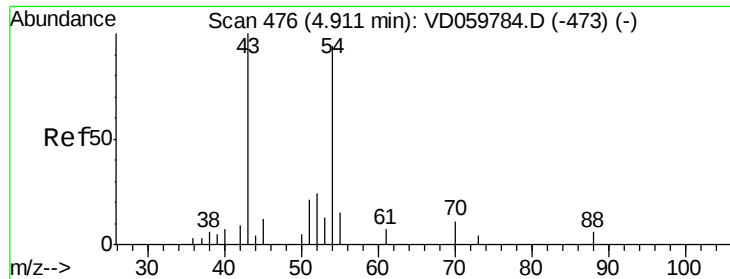


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

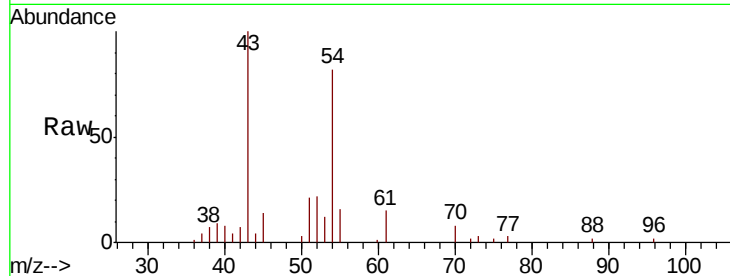




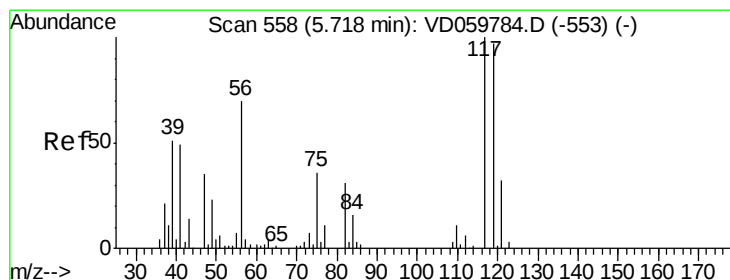
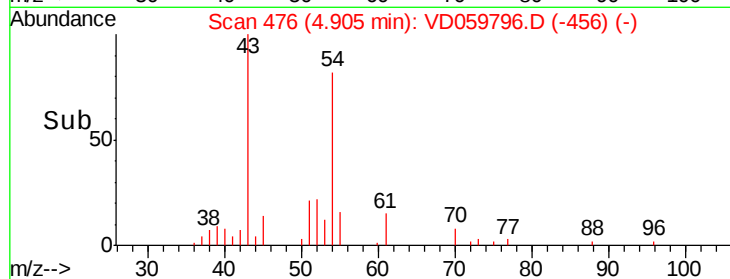
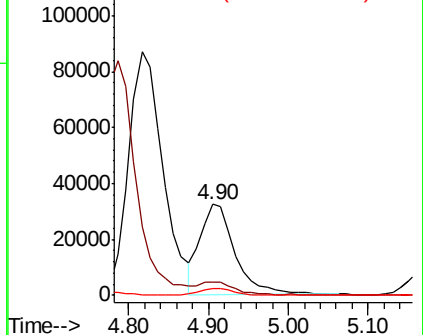
#37
Ethyl Acetate
Concen: 48.28 ug/l
RT: 4.90 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 98832
Ion Ratio Lower Upper
43 100
61 14.7 10.2 15.2
70 8.0 5.8 8.8

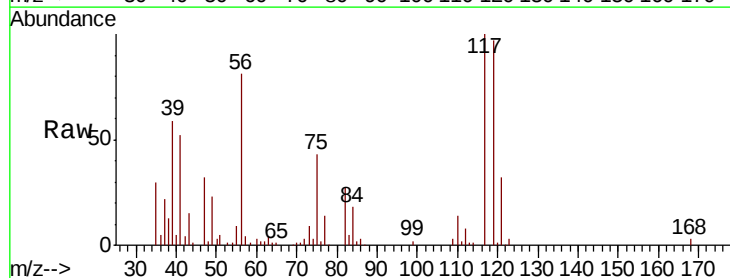


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

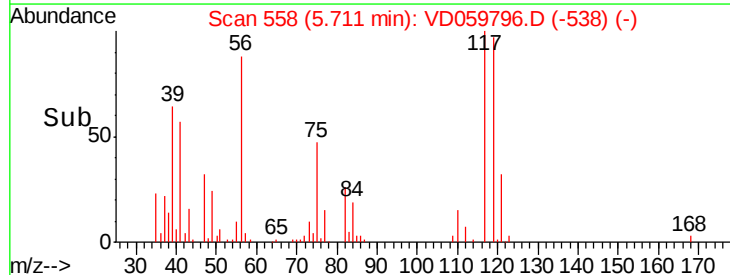
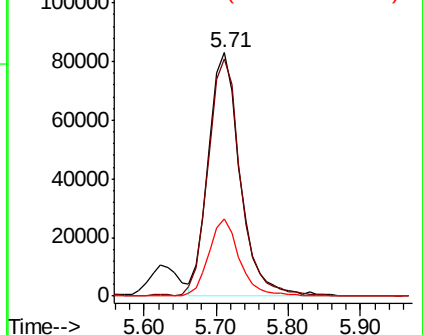


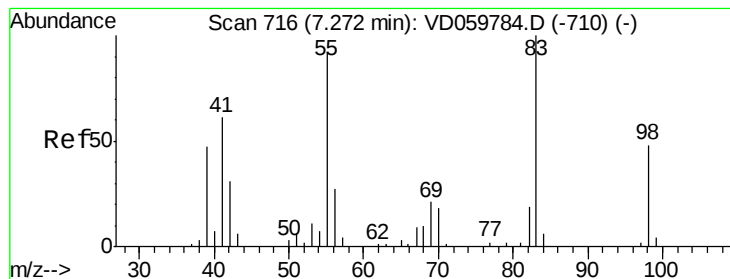
#38
Carbon Tetrachloride
Concen: 50.38 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 117 Resp: 248791
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 31.7 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 53.38 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

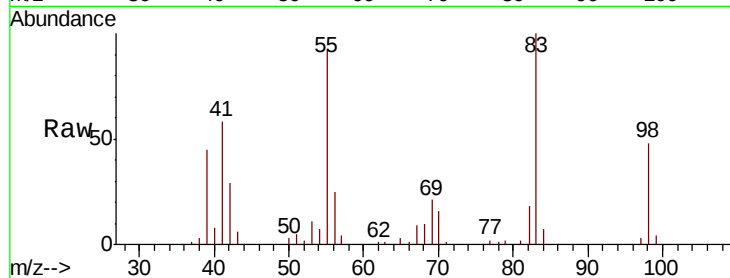
Tot Ion: 83 Resp: 189011

Ion Ratio Lower Upper

83 100

55 92.3 73.8 110.6

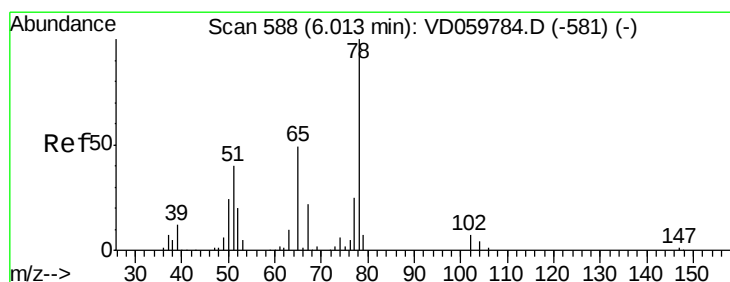
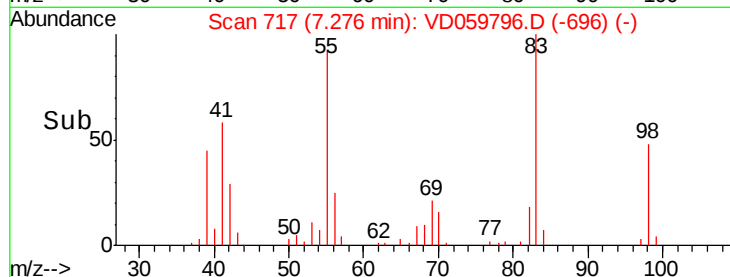
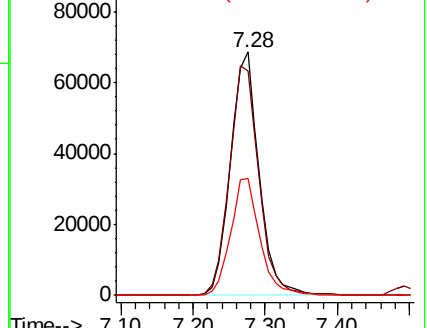
98 47.8 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.25 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059796.D

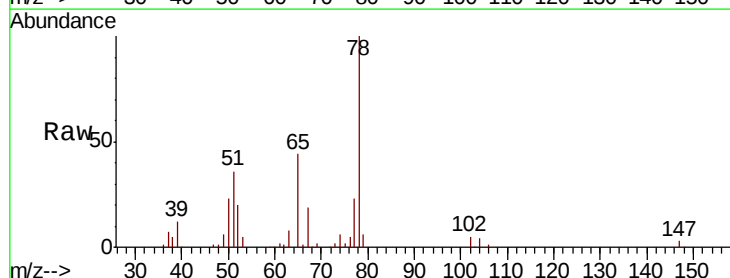
Acq: 15 Aug 2018 14:59

Tgt Ion: 78 Resp: 436246

Ion Ratio Lower Upper

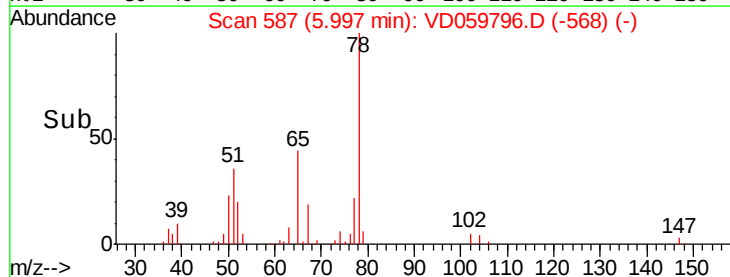
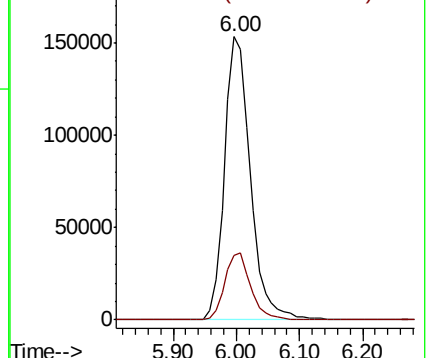
78 100

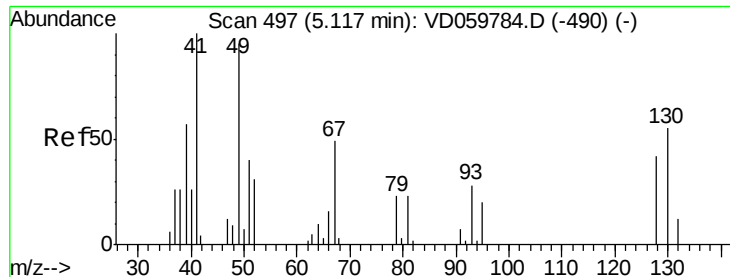
77 22.7 19.6 29.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

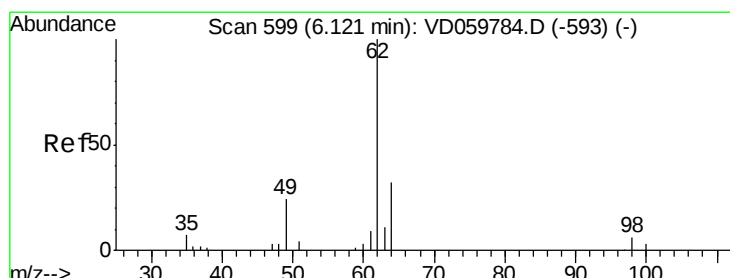
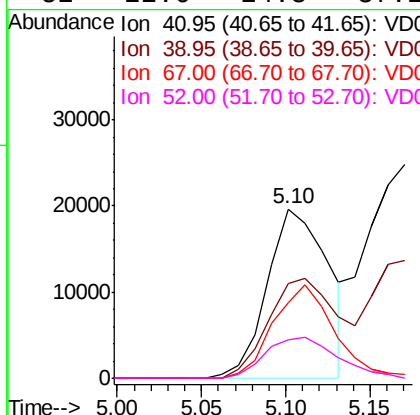
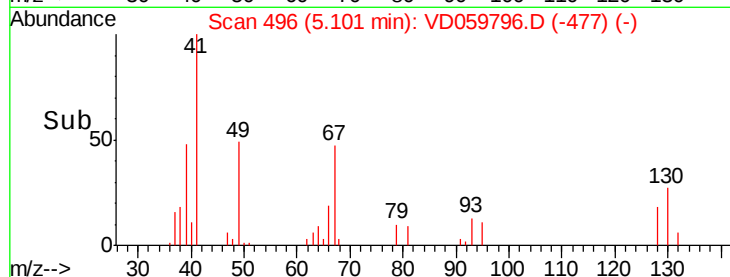
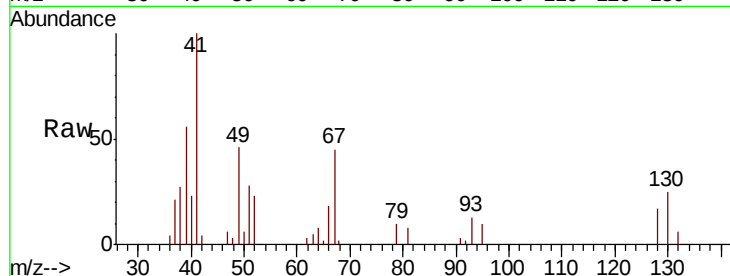




#41
Methacrylonitrile
Concen: 50.54 ug/l
RT: 5.10 min Scan# 496
Delta R.T. -0.02 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

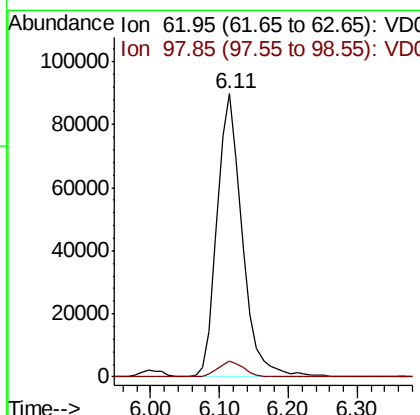
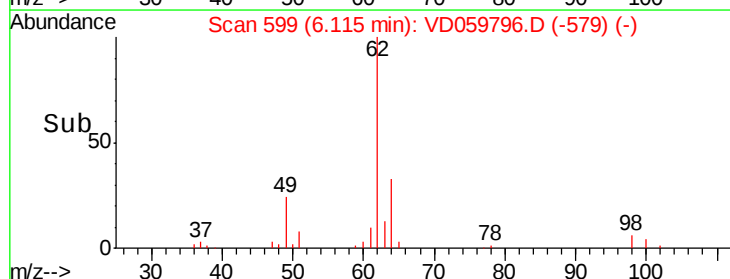
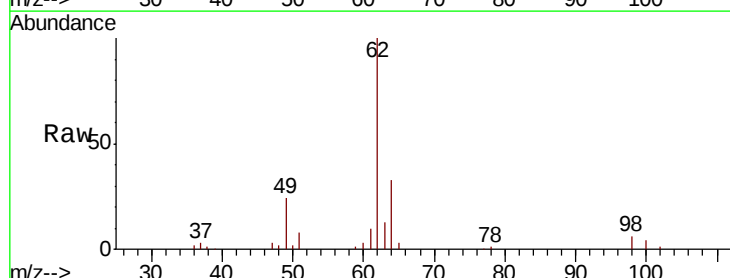
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

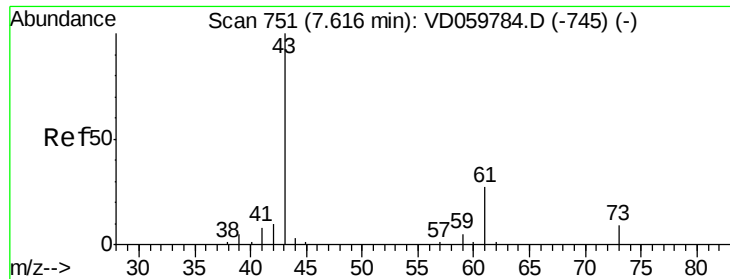
Tot Ion: 41 Resp: 49502
Ion Ratio Lower Upper
41 100
39 55.9 45.4 68.2
67 44.5 39.5 59.3
52 22.6 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 48.42 ug/l
RT: 6.11 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 62 Resp: 227495
Ion Ratio Lower Upper
62 100
98 5.7 0.0 12.0





#43

Isopropyl Acetate

Concen: 52.34 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

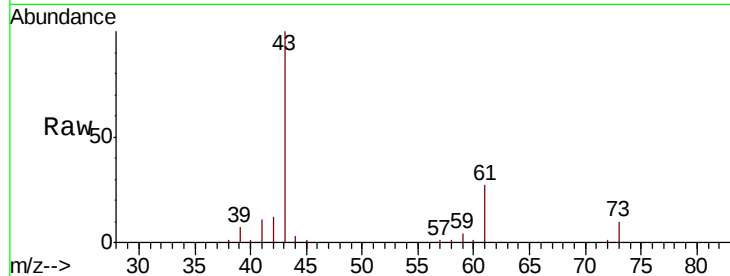
Tot Ion: 43 Resp: 135306

Ion Ratio Lower Upper

43 100

61 27.2 21.2 31.8

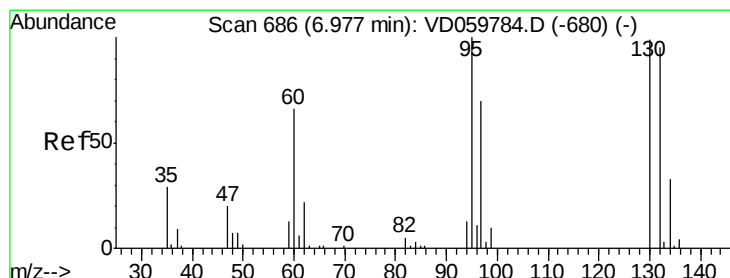
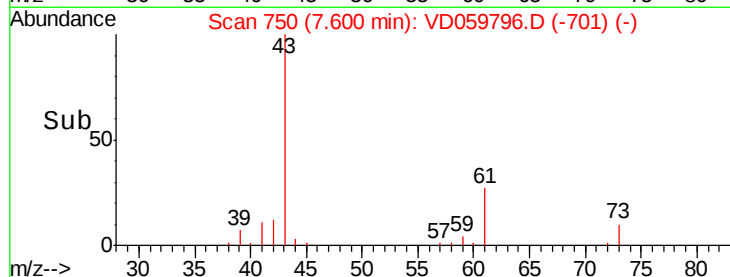
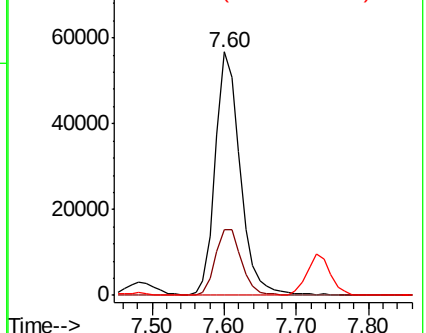
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.48 ug/l

RT: 6.97 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059796.D

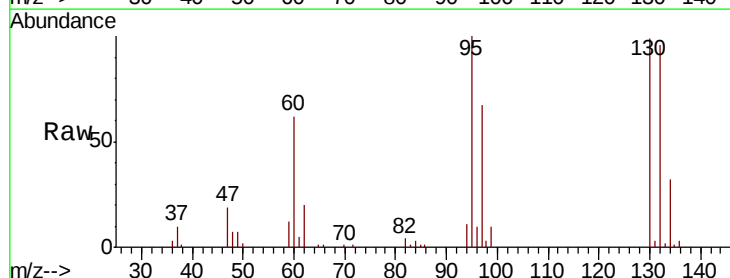
Acq: 15 Aug 2018 14:59

Tgt Ion: 130 Resp: 150074

Ion Ratio Lower Upper

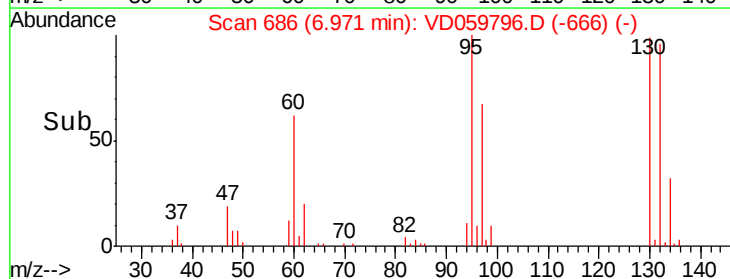
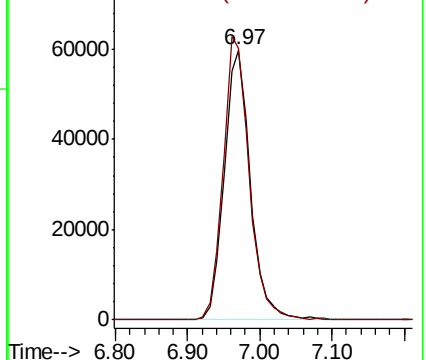
130 100

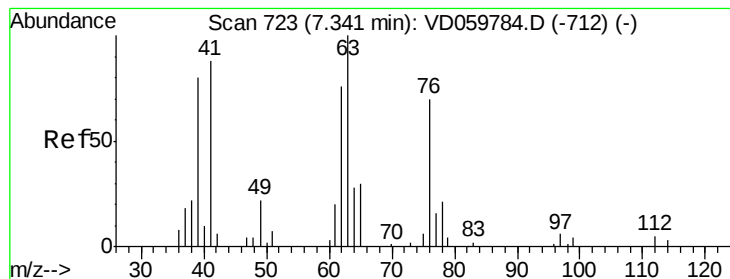
95 100.9 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.12 ug/l

RT: 7.33 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

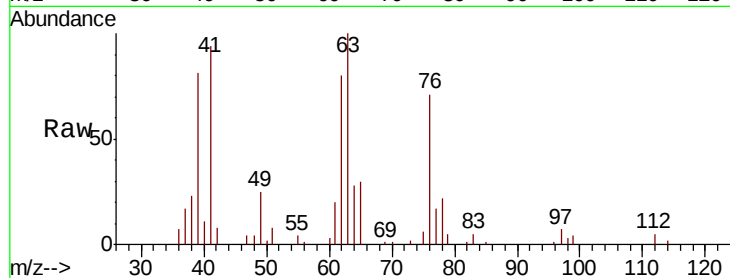
VSTDCCC050

Tot Ion: 63 Resp: 117614

Ion Ratio Lower Upper

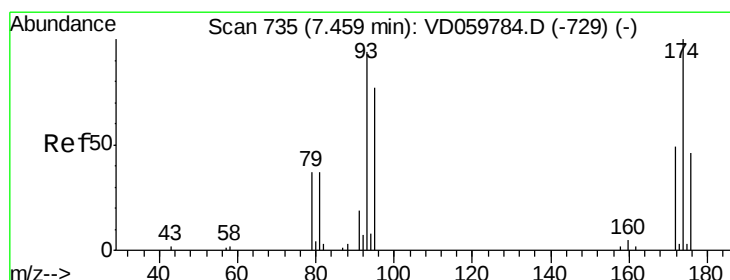
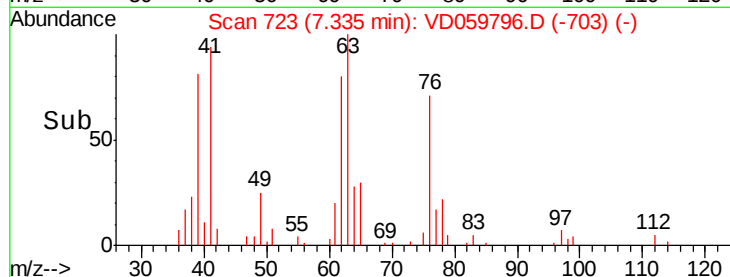
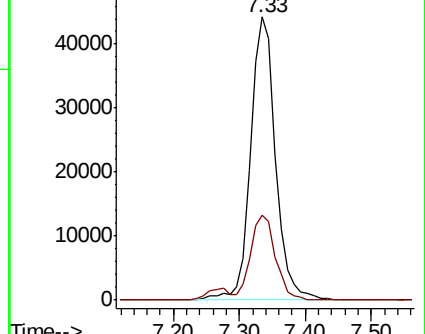
63 100

65 30.2 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.02 ug/l

RT: 7.45 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

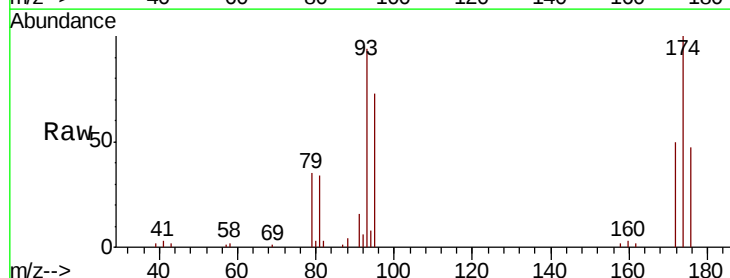
Tgt Ion: 93 Resp: 88624

Ion Ratio Lower Upper

93 100

95 77.5 66.2 99.4

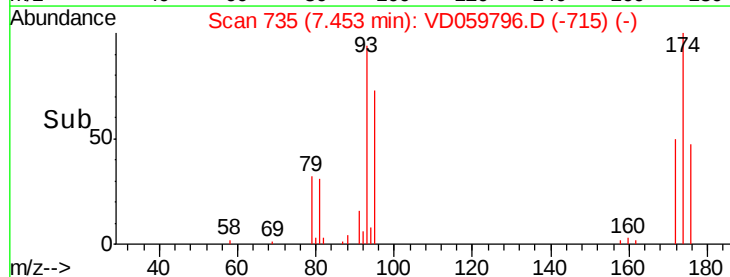
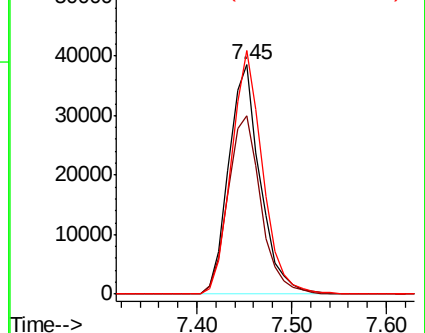
174 106.1 85.5 128.3

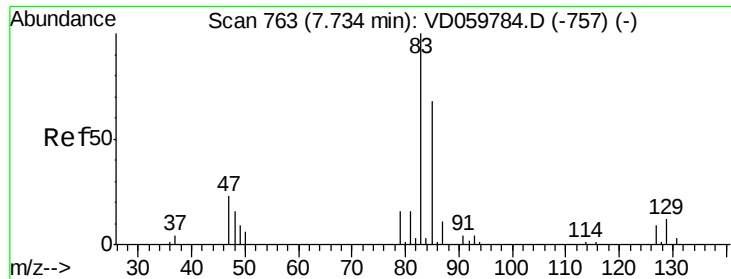


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.24 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

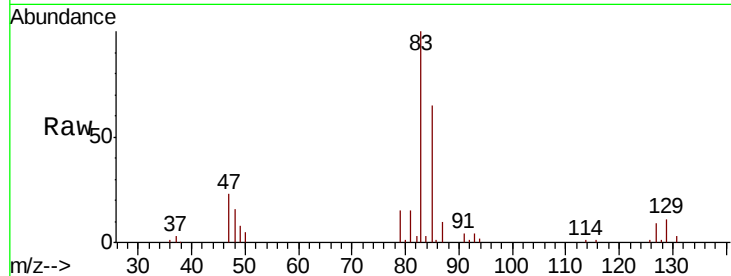
Tot Ion: 83 Resp: 218131

Ion Ratio Lower Upper

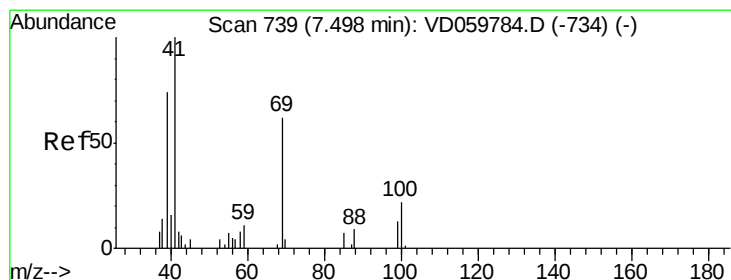
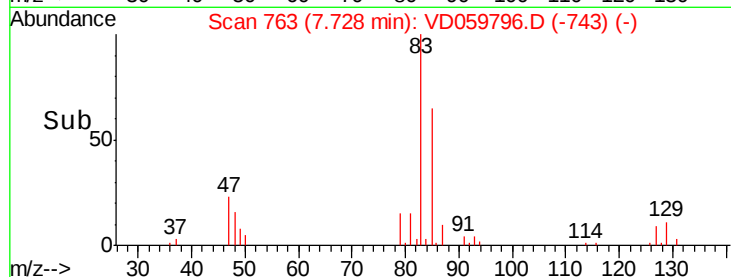
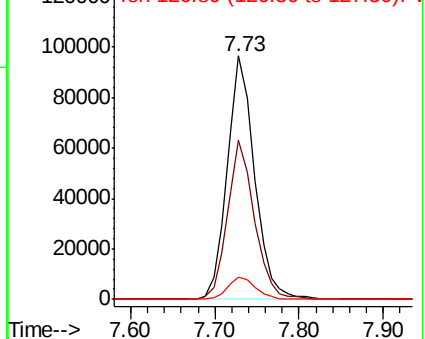
83 100

85 65.2 54.1 81.1

127 9.1 7.5 11.3



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: 53.14 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

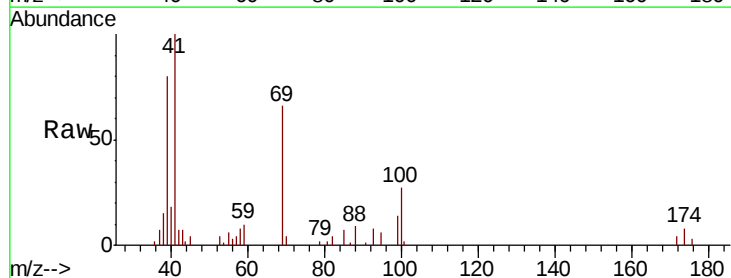
Tgt Ion: 41 Resp: 89630

Ion Ratio Lower Upper

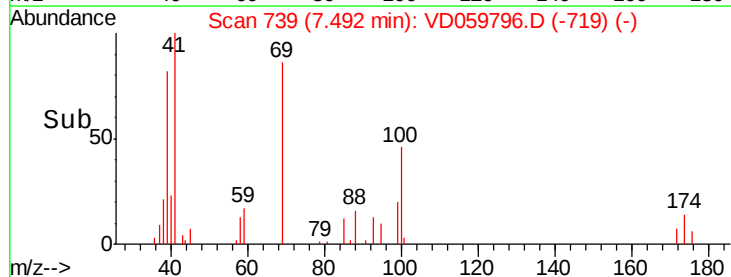
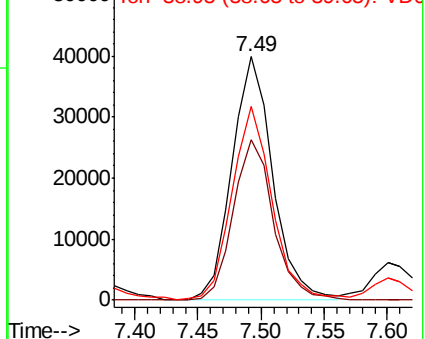
41 100

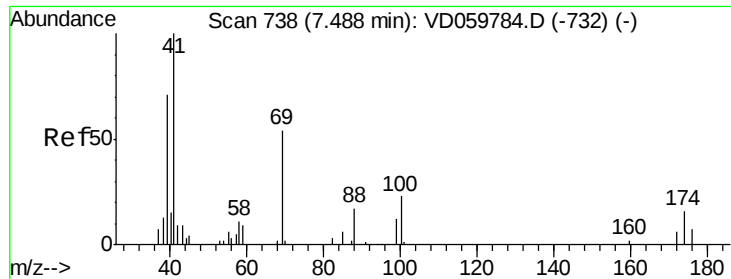
69 66.1 49.8 74.8

39 79.6 59.0 88.4



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: 1068.70 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

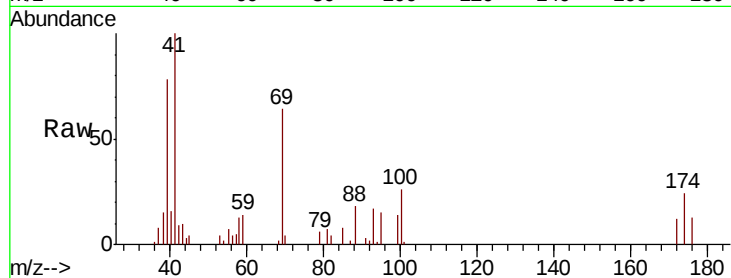
Tot Ion: 88 Resp: 15876

Ion Ratio Lower Upper

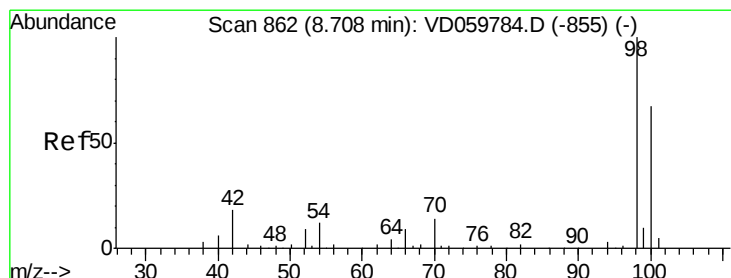
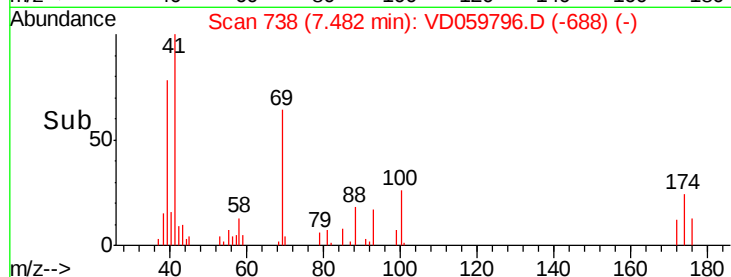
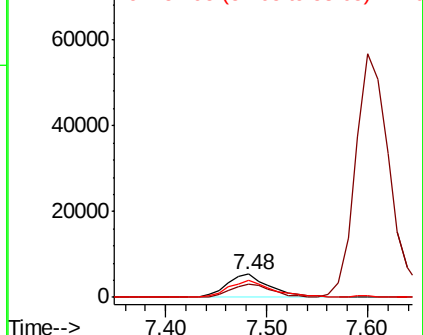
88 100

43 54.4 42.0 63.0

58 71.3 51.4 77.0



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: 1068.70 ug/l

RT: 8.69 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059796.D

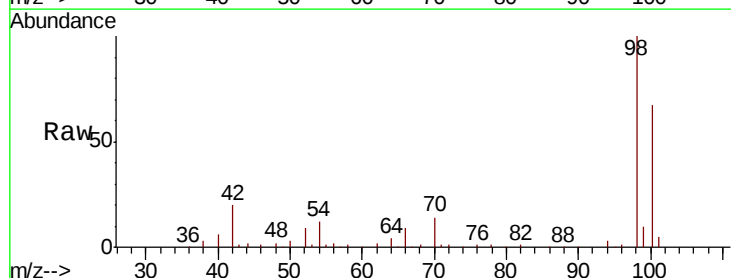
Acq: 15 Aug 2018 14:59

Tgt Ion: 98 Resp: 401316

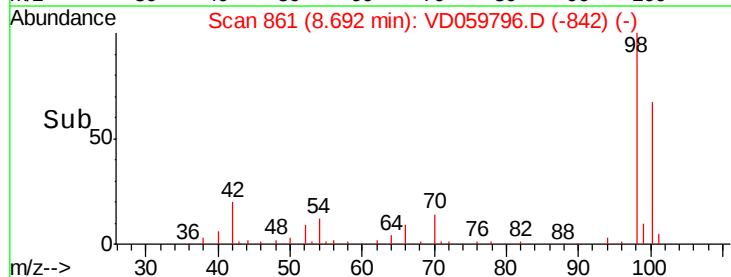
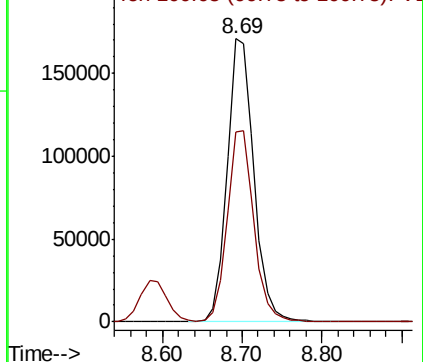
Ion Ratio Lower Upper

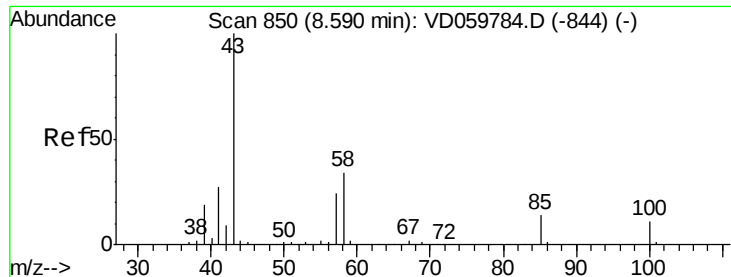
98 100

100 67.3 54.2 81.4



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





#51

4-Methyl-2-Pentanone

Concen: 273.13 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

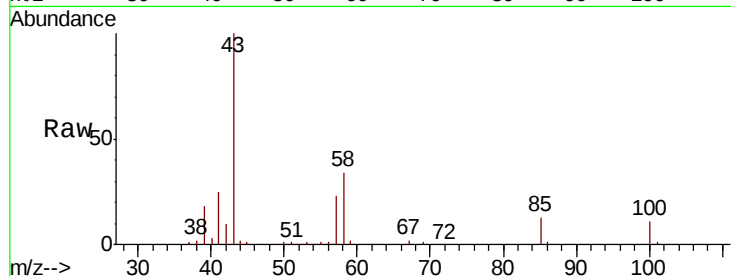
VSTDCCC050

Tot Ion: 43 Resp: 533713

Ion Ratio Lower Upper

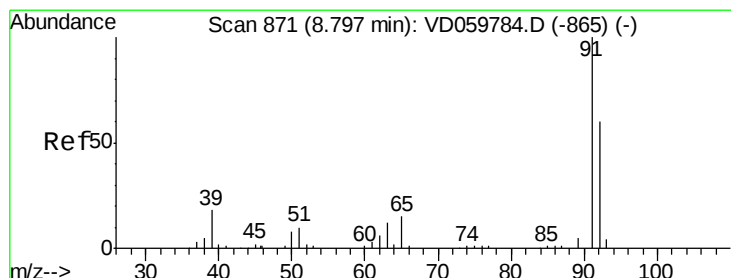
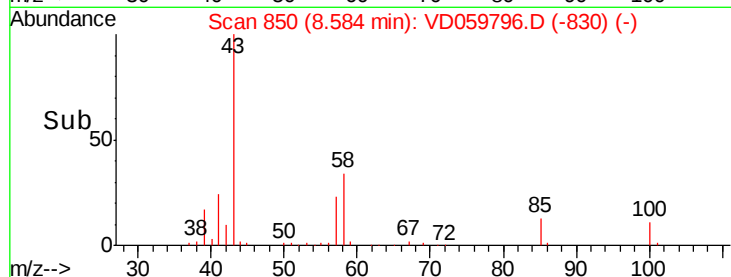
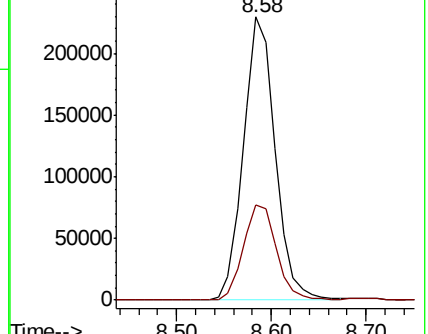
43 100

58 33.7 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.13 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059796.D

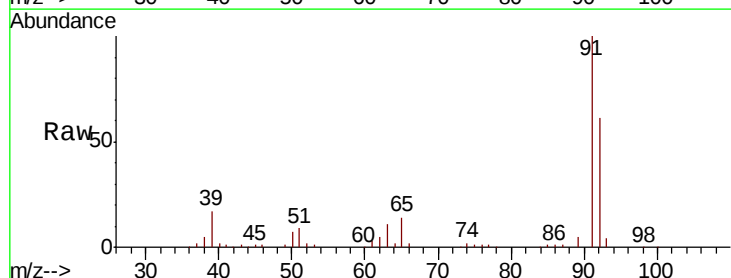
Acq: 15 Aug 2018 14:59

Tgt Ion: 92 Resp: 273246

Ion Ratio Lower Upper

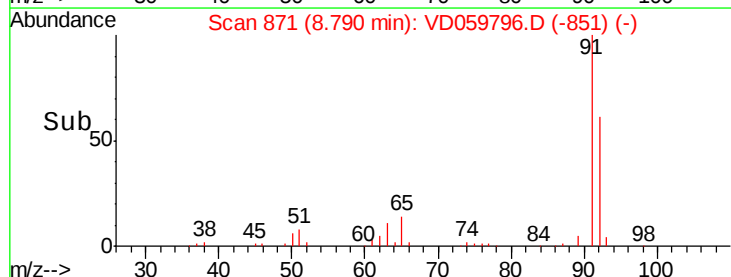
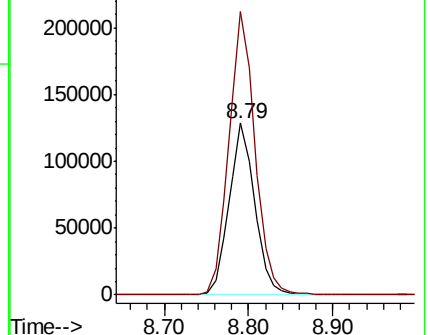
92 100

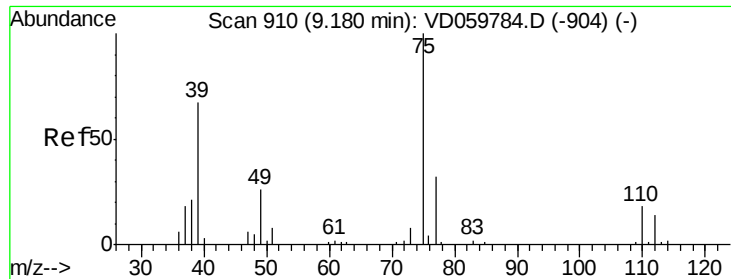
91 164.9 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.59 ug/l

RT: 9.17 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

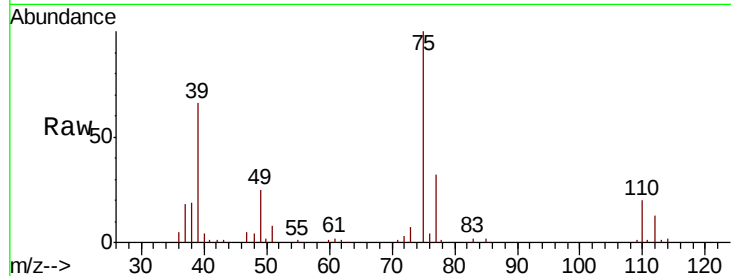
VSTDCCC050

Tot Ion: 75 Resp: 193425

Ion Ratio Lower Upper

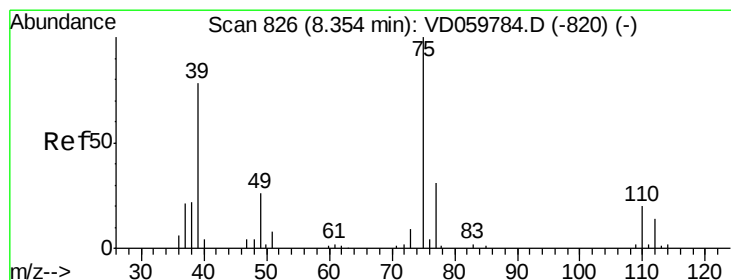
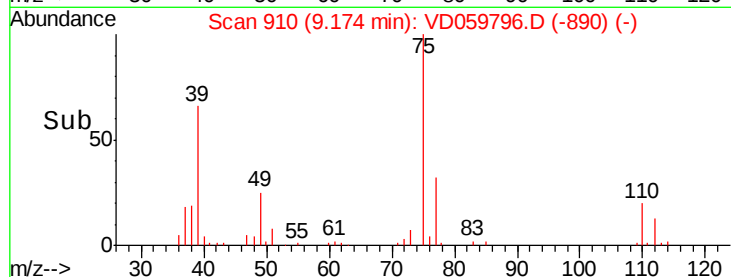
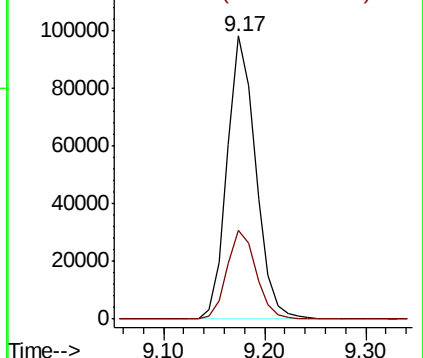
75 100

77 31.6 25.4 38.2



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: 54.75 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

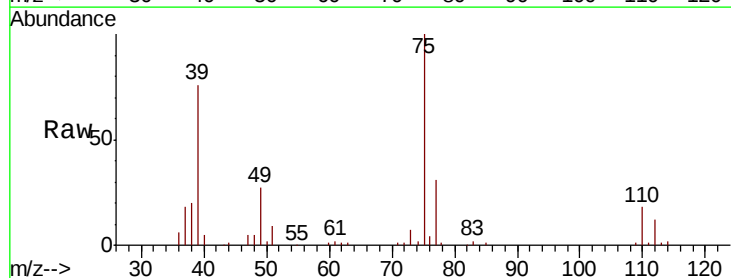
Tgt Ion: 75 Resp: 221840

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

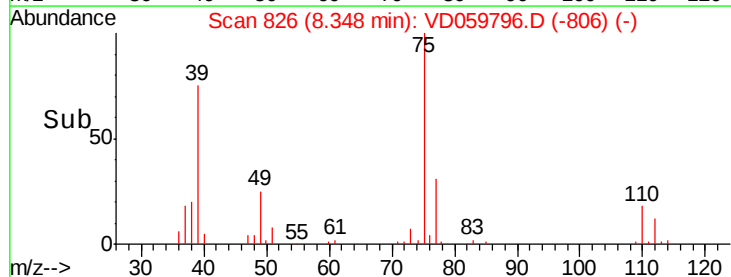
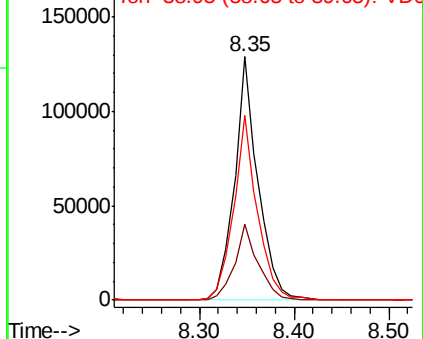
39 75.7 62.5 93.7

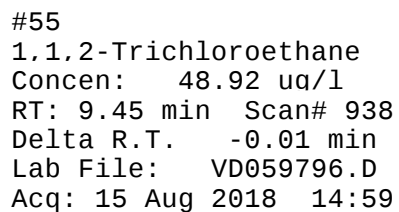


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

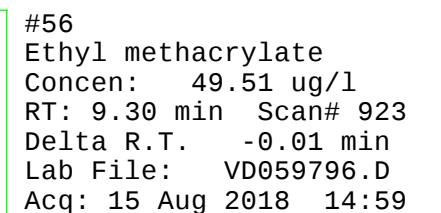
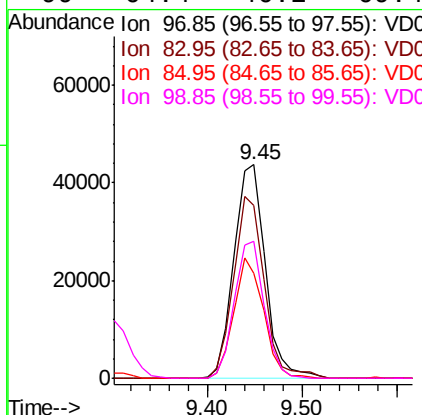
Ion 38.95 (38.65 to 39.65): VDC



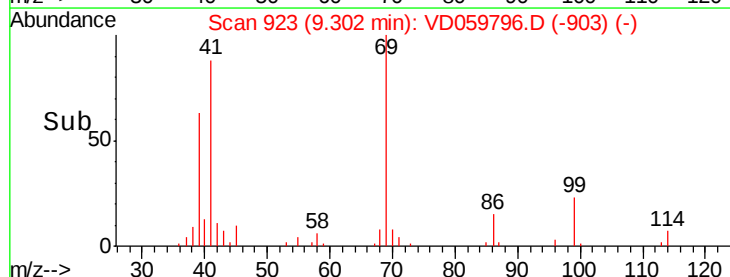
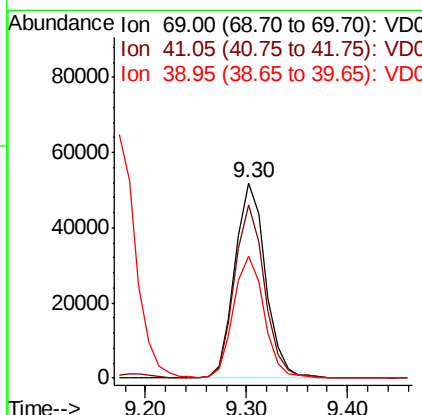


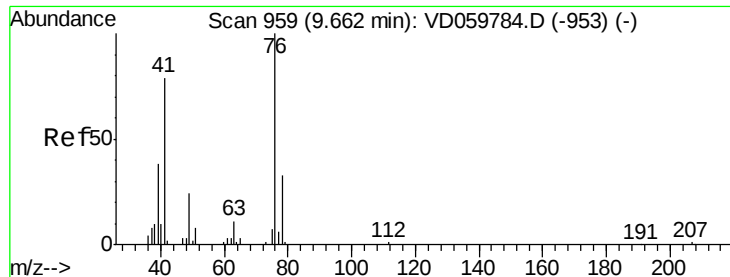
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tat	Ion: 97	Resp:	100456
Ion	Ratio	Lower	Upper
97	100		
83	81.0	63.8	95.8
85	49.3	42.5	63.7
99	64.4	46.2	69.4



Tgt	Ion: 69	Resp:	110096
Ion	Ratio	Lower	Upper
69	100		
41	88.4	65.8	98.8
39	62.7	49.7	74.5





#57

1,3-Dichloropropane

Concen: 47.22 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

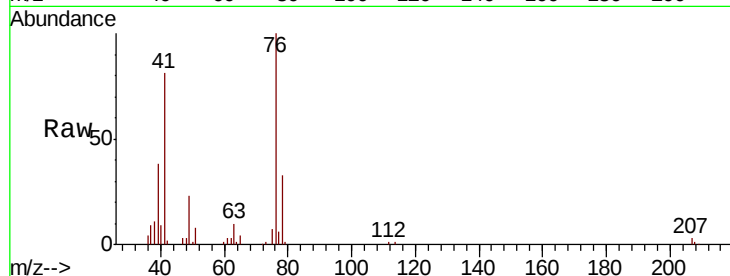
VSTDCCC050

Tot Ion: 76 Resp: 151878

Ion Ratio Lower Upper

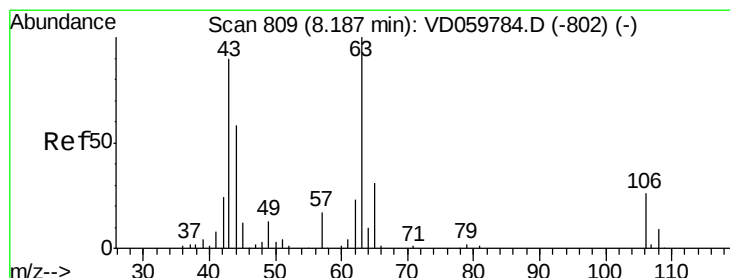
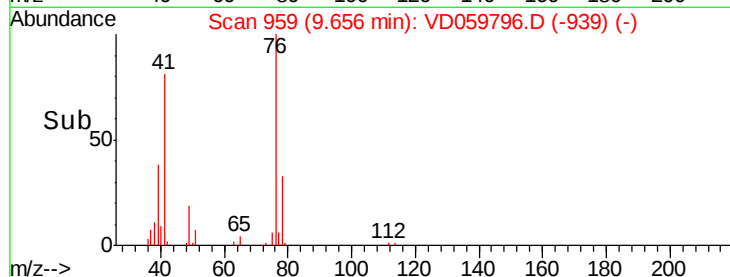
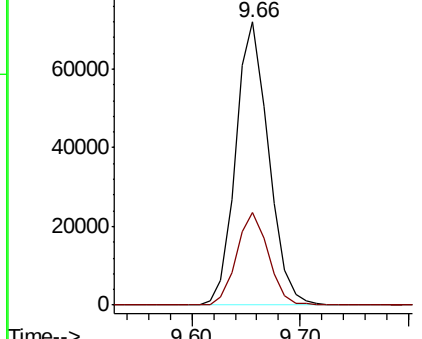
76 100

78 32.5 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 259.60 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059796.D

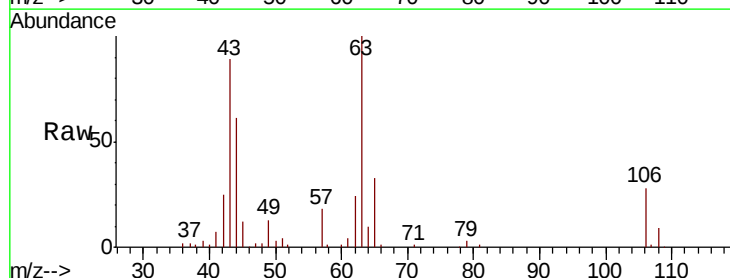
Acq: 15 Aug 2018 14:59

Tgt Ion: 63 Resp: 285303

Ion Ratio Lower Upper

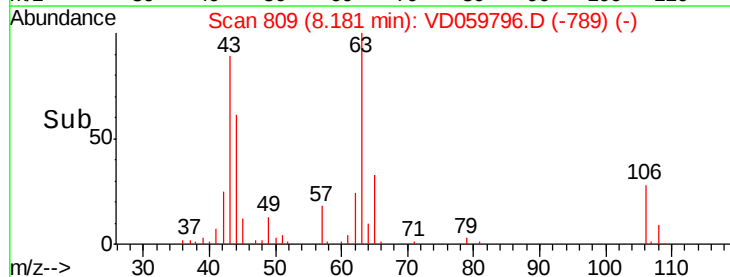
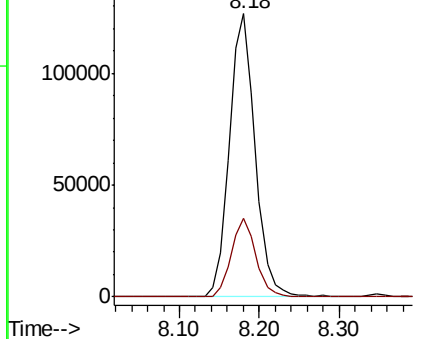
63 100

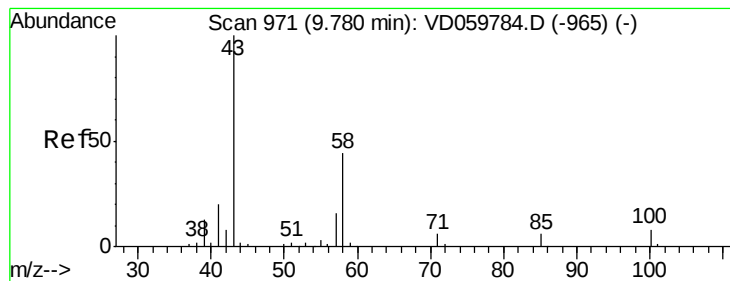
106 27.9 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 296.60 ug/l

RT: 9.77 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

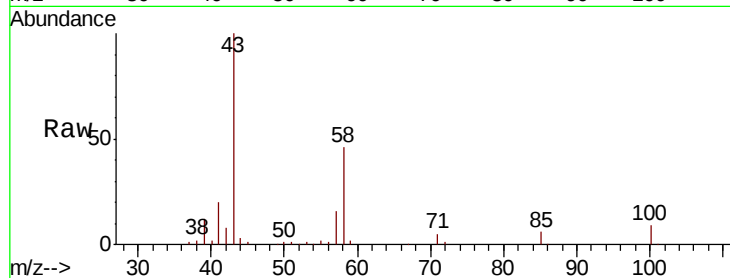
VSTDCCC050

Tot Ion: 43 Resp: 415588

Ion Ratio Lower Upper

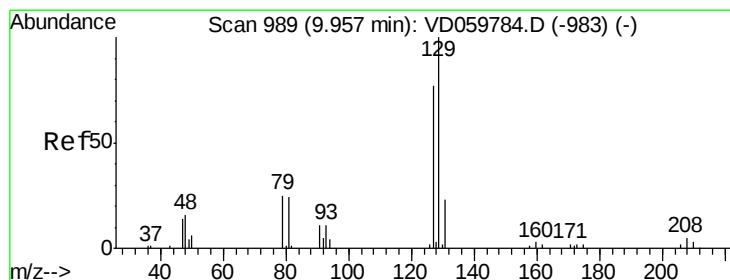
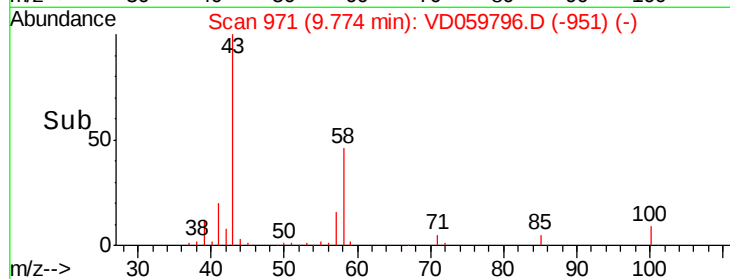
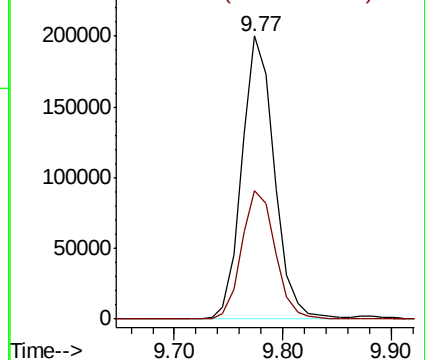
43 100

58 45.6 22.3 66.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 49.55 ug/l

RT: 9.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059796.D

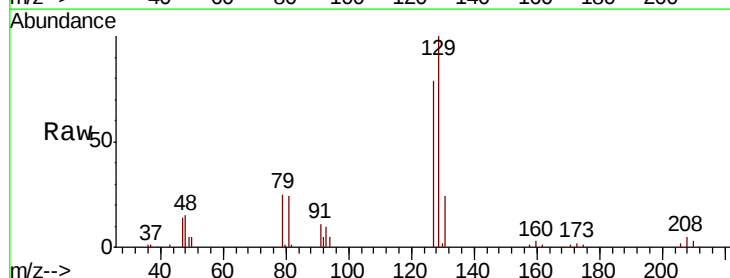
Acq: 15 Aug 2018 14:59

Tgt Ion:129 Resp: 147731

Ion Ratio Lower Upper

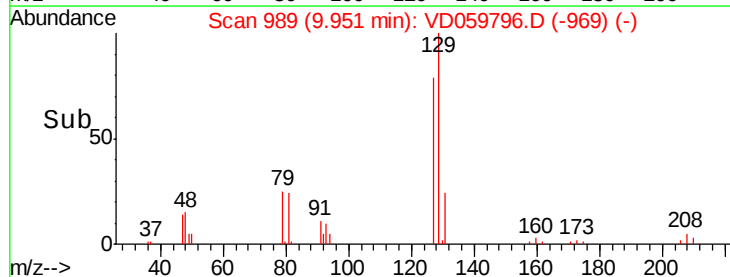
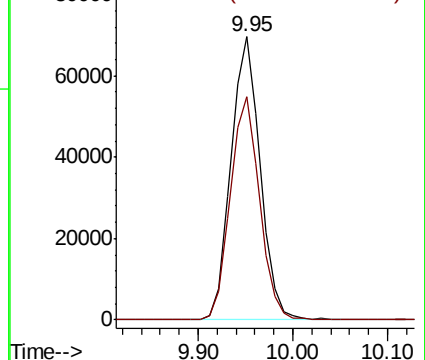
129 100

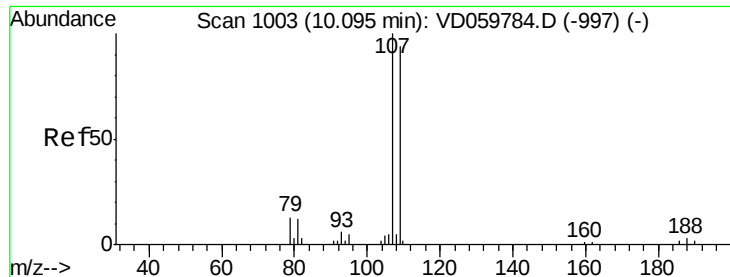
127 79.0 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 46.67 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

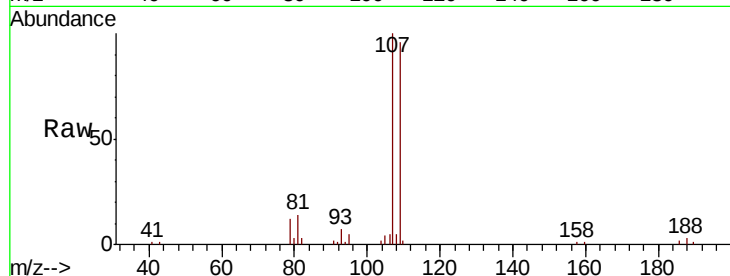
VSTDCCC050

Tot Ion:107 Resp: 106149

Ion Ratio Lower Upper

107 100

109 96.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

50000

40000

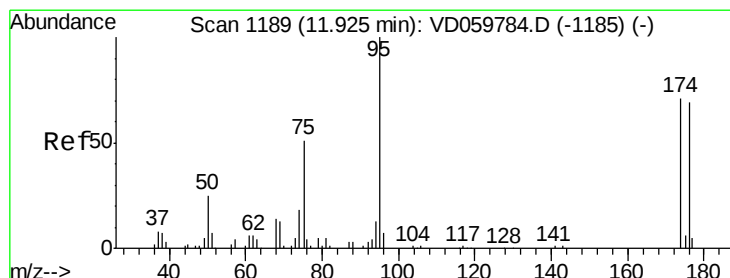
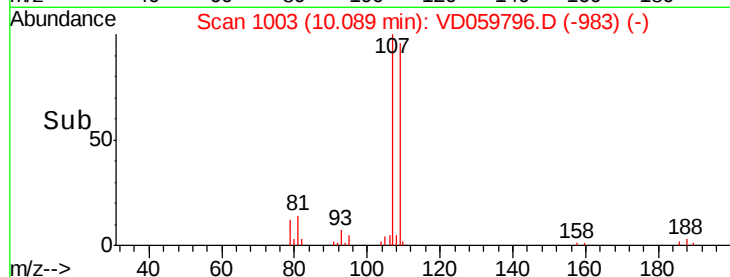
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.67 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

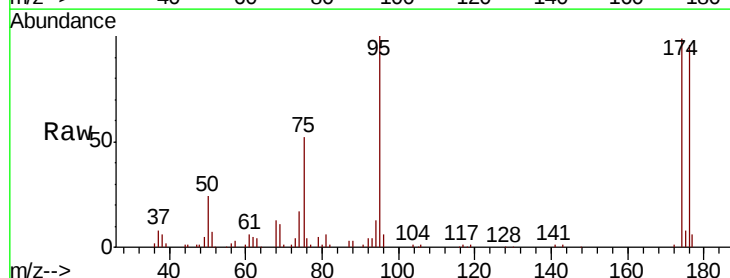
Tgt Ion: 95 Resp: 173150

Ion Ratio Lower Upper

95 100

174 98.5 0.0 142.2

176 95.6 0.0 137.4



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

11.93

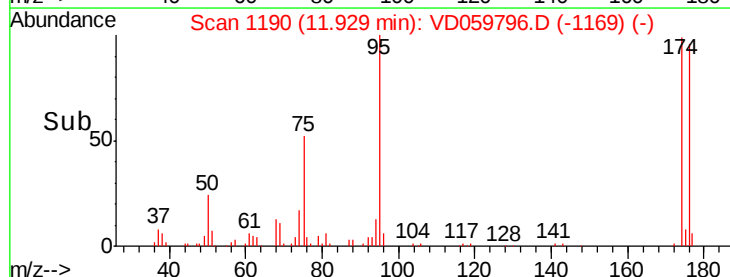
150000

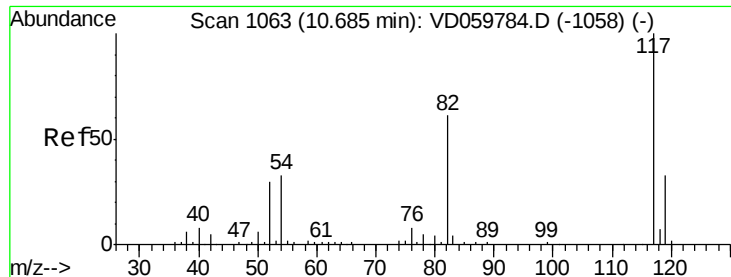
100000

50000

0

Time-->

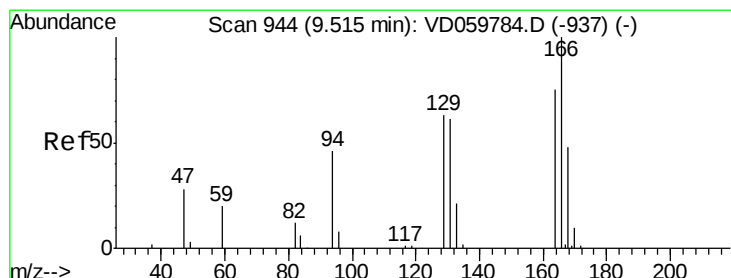
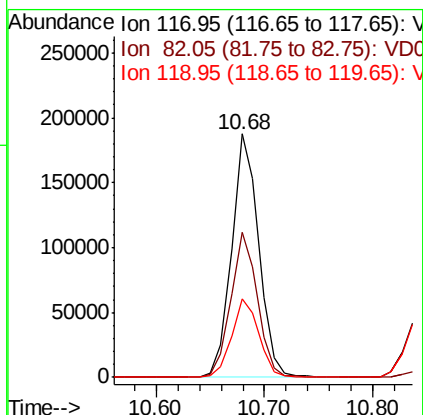
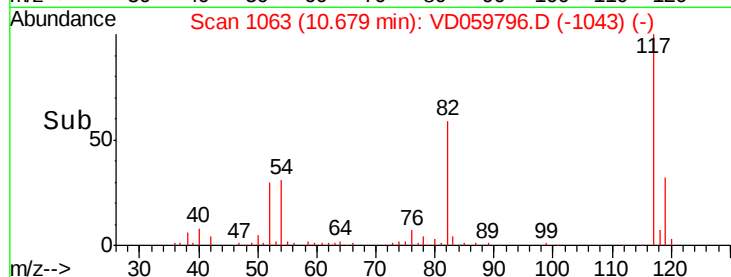
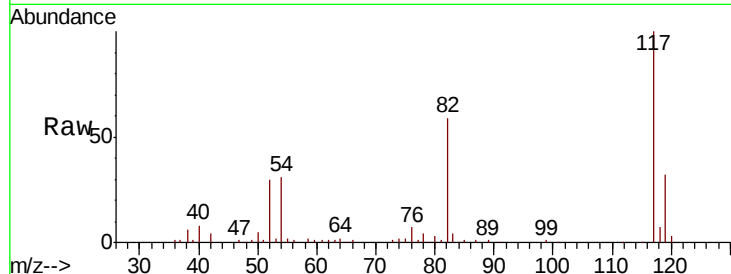




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

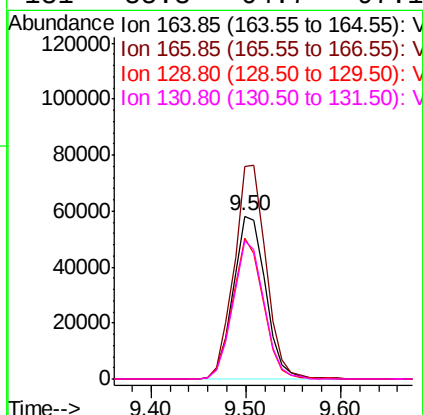
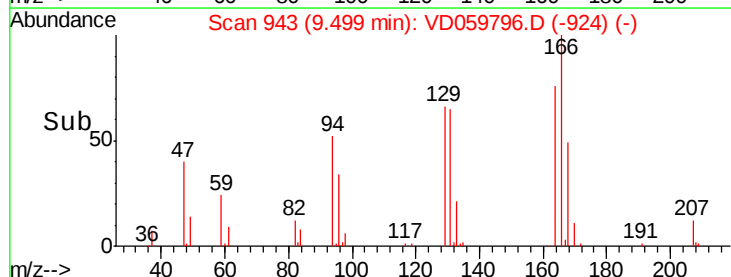
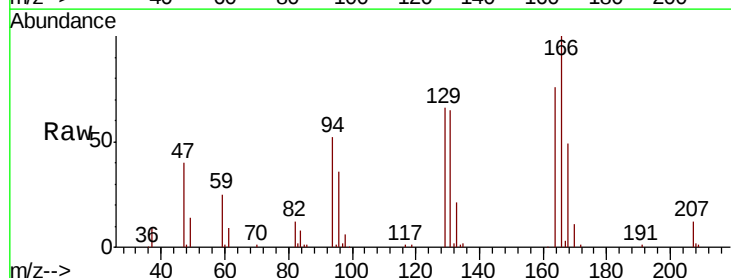
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

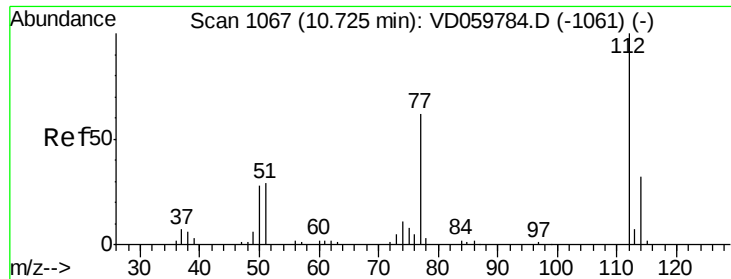
Tot Ion:117 Resp: 326069
Ion Ratio Lower Upper
117 100
82 59.4 49.0 73.6
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 48.77 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.02 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:164 Resp: 136974
Ion Ratio Lower Upper
164 100
166 130.9 106.8 160.2
129 86.3 67.2 100.8
131 85.3 64.7 97.1

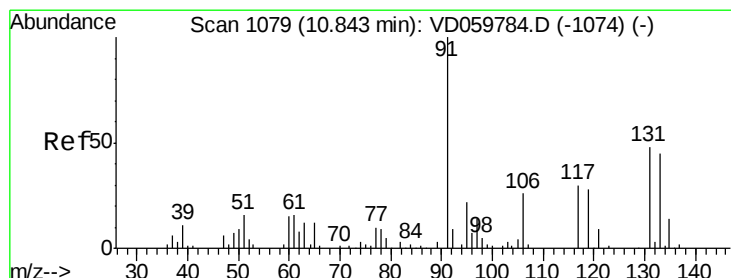
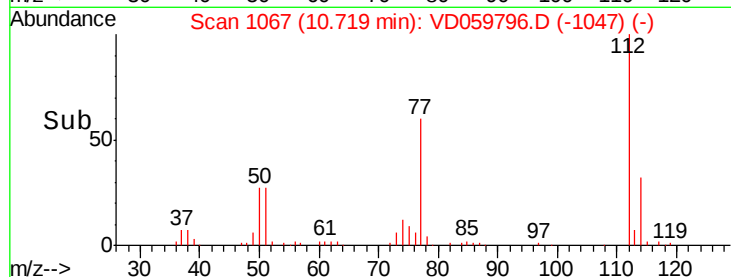
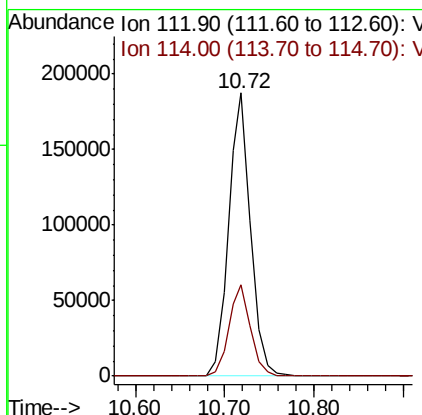
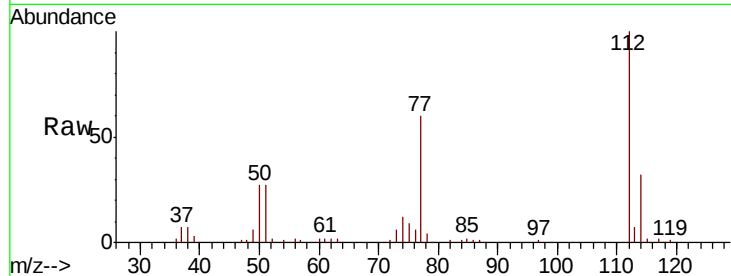




#65
Chlorobenzene
Concen: 49.02 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

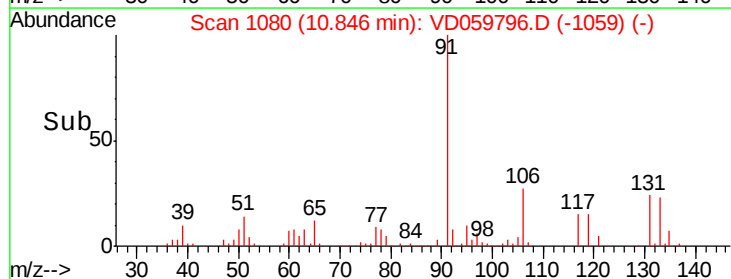
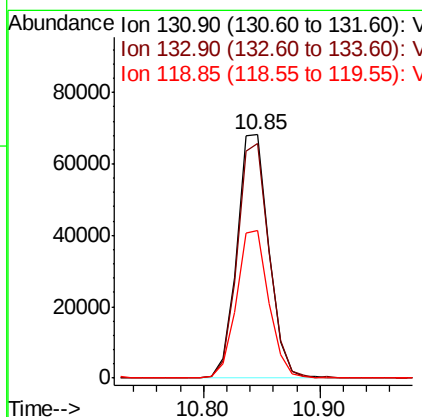
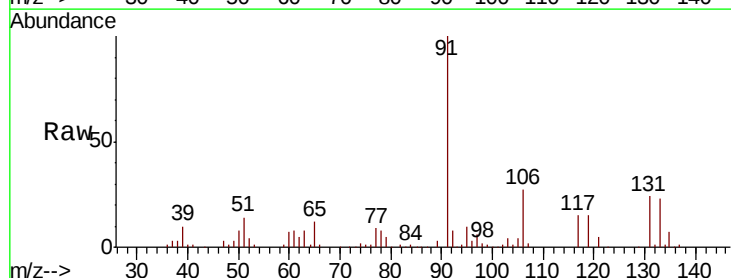
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

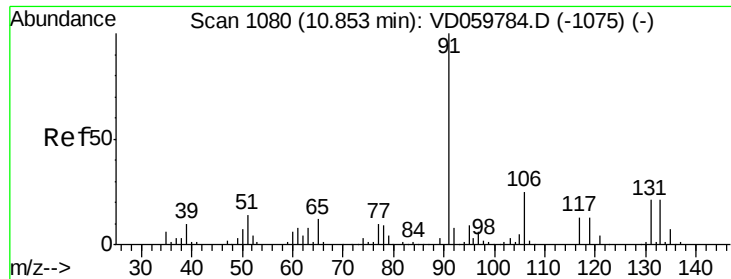
Tot Ion:112 Resp: 323679
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.47 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:131 Resp: 129000
Ion Ratio Lower Upper
131 100
133 96.4 47.0 141.0
119 60.7 29.0 87.1

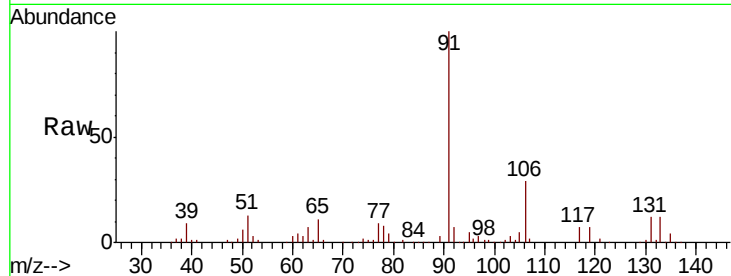




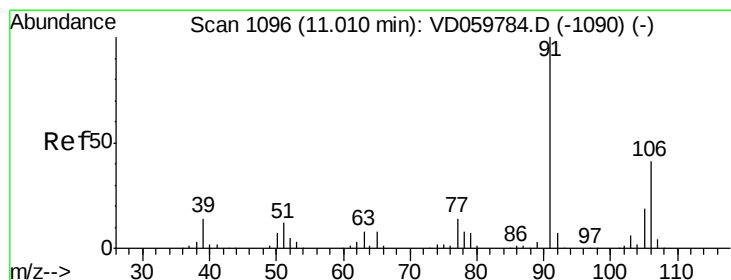
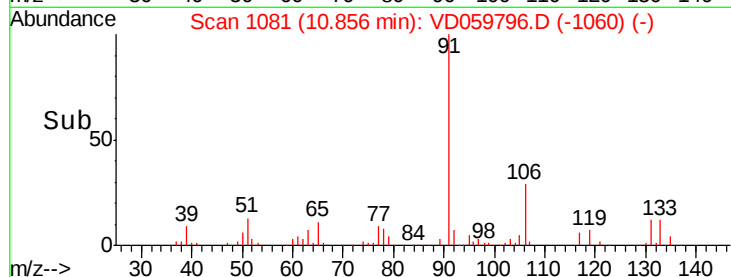
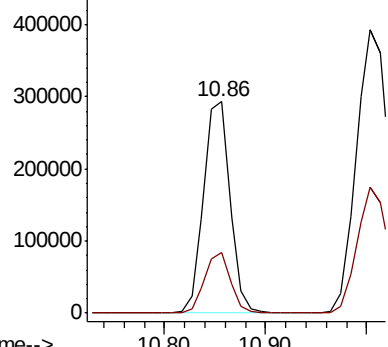
#67
Ethyl Benzene
Concen: 47.12 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 535729
Ion Ratio Lower Upper
91 100
106 28.8 20.1 30.1

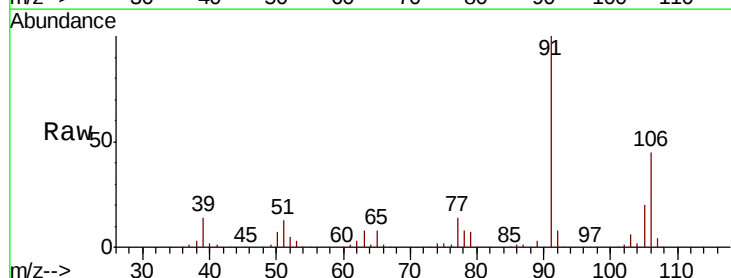


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

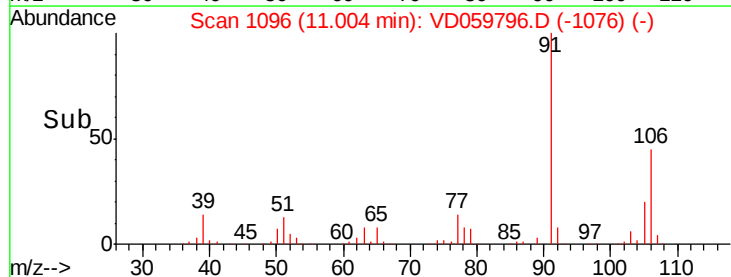
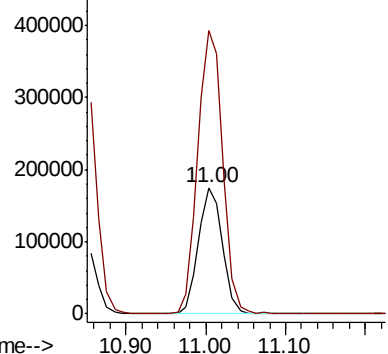


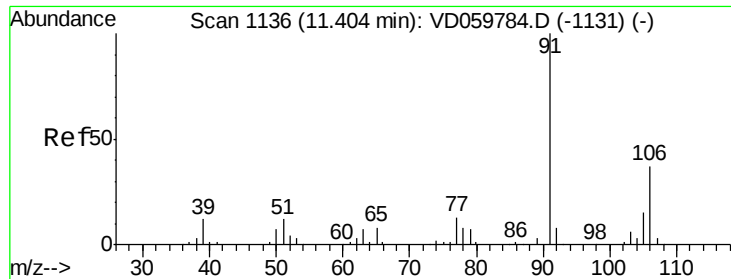
#68
m/p-Xylenes
Concen: 96.76 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 106 Resp: 372875
Ion Ratio Lower Upper
106 100
91 223.7 197.4 296.0



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

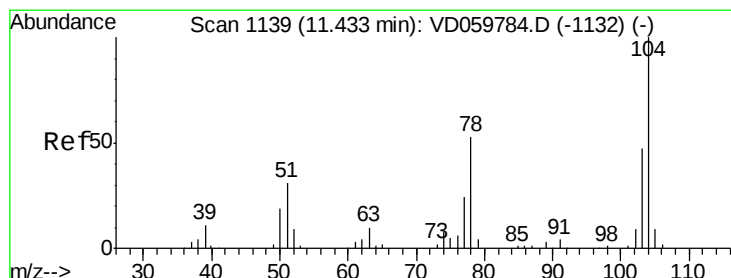
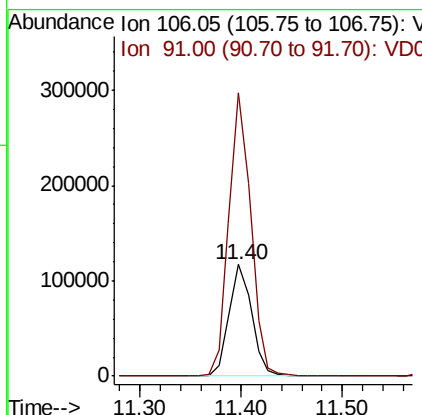
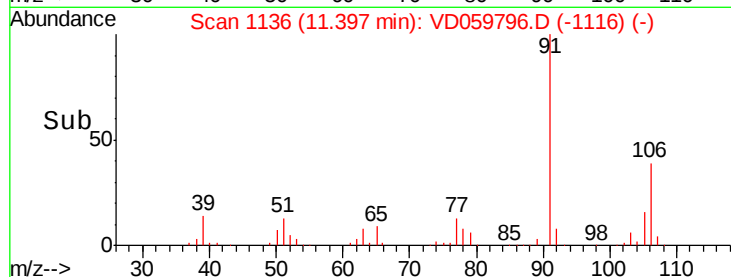
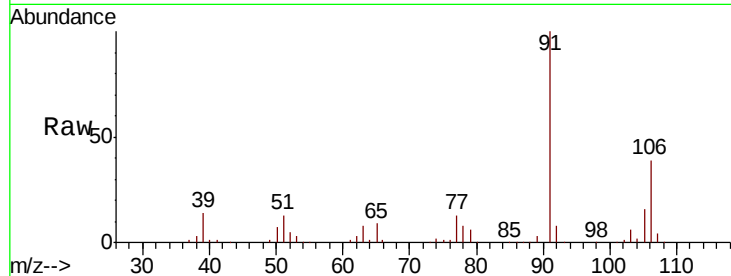




#69
o-Xylene
Concen: 49.38 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

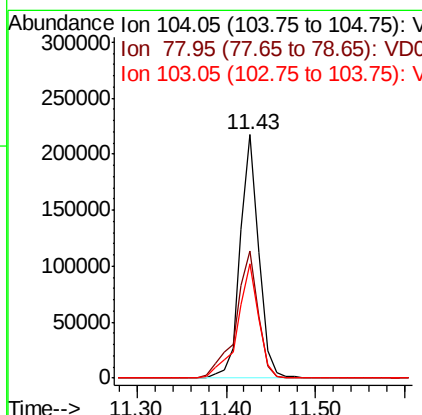
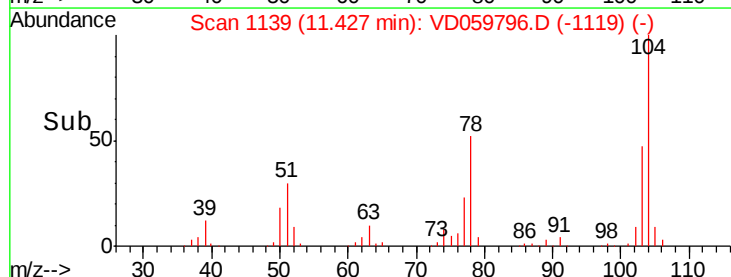
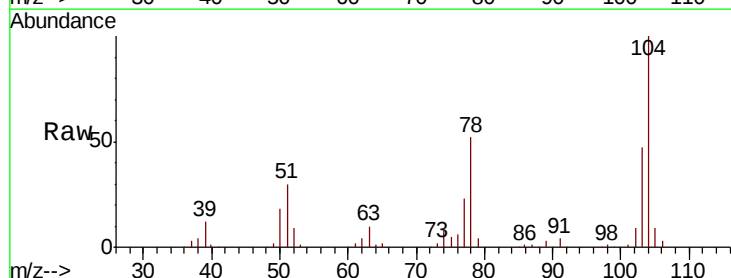
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

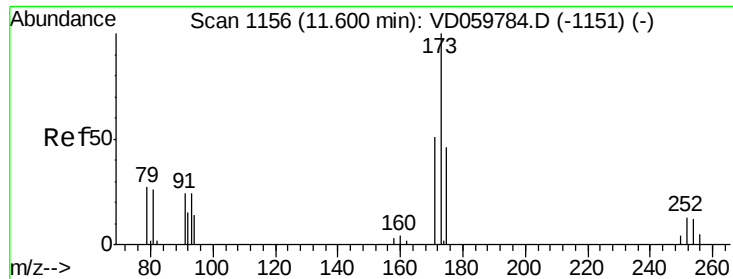
Tot Ion:106 Resp: 182667
Ion Ratio Lower Upper
106 100
91 253.8 133.7 401.1



#70
Styrene
Concen: 47.98 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:104 Resp: 314724
Ion Ratio Lower Upper
104 100
78 52.3 42.6 64.0
103 46.8 37.8 56.6

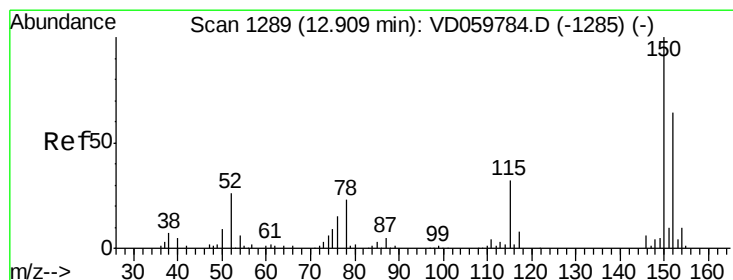
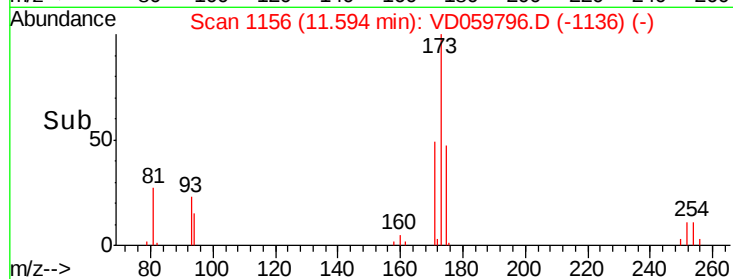
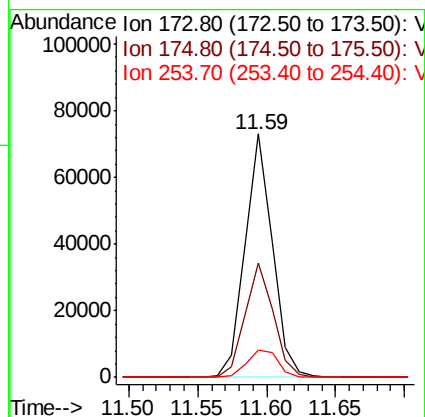
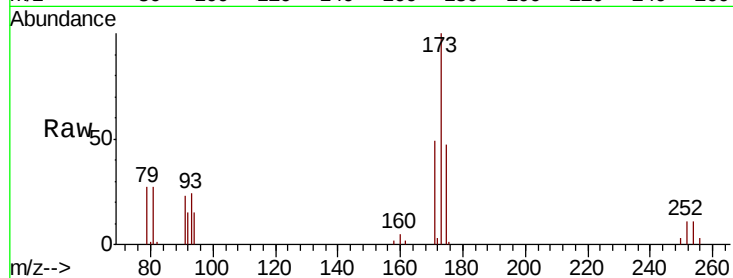




#71
Bromoform
Concen: 52.55 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

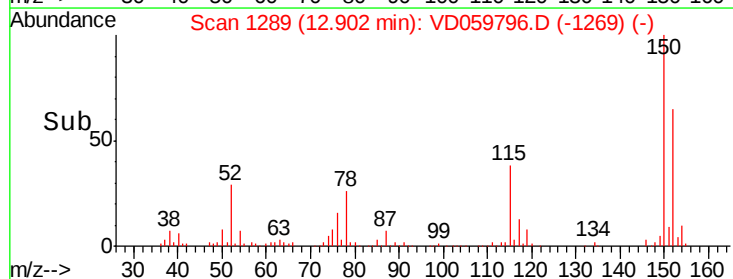
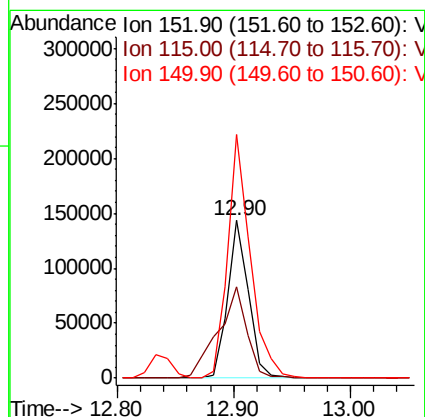
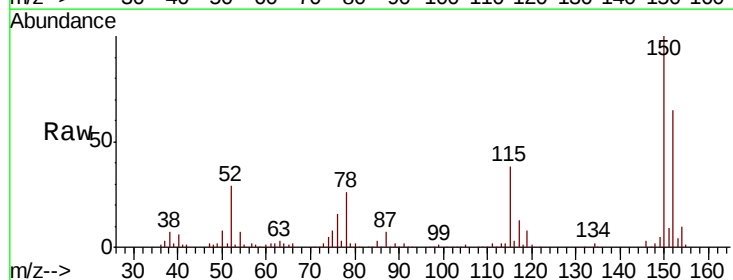
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

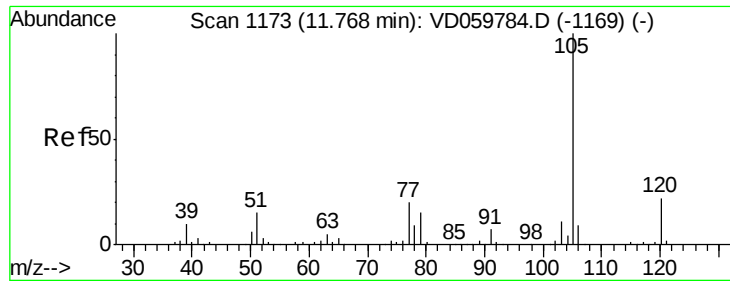
Tot Ion:173 Resp: 101667
Ion Ratio Lower Upper
173 100
175 46.8 23.1 69.2
254 11.4 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:152 Resp: 177237
Ion Ratio Lower Upper
152 100
115 58.3 27.2 81.5
150 154.5 0.0 312.4





#73

Isopropylbenzene

Concen: 49.63 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

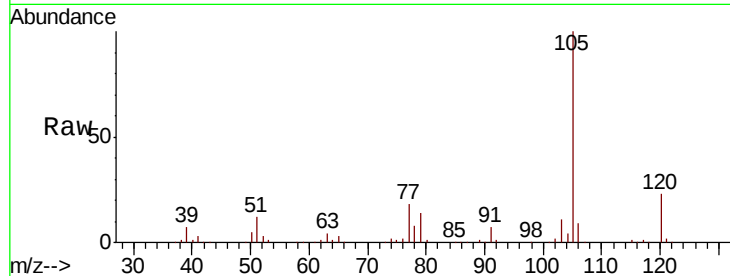
VSTDCCC050

Tot Ion:105 Resp: 557014

Ion Ratio Lower Upper

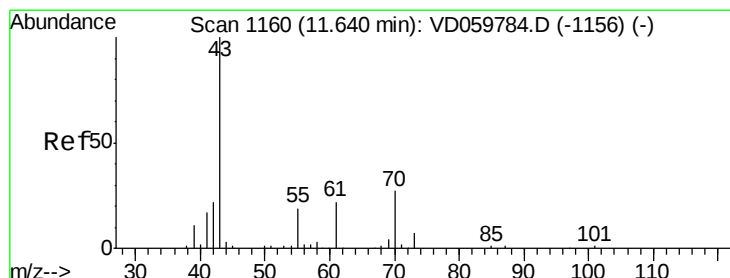
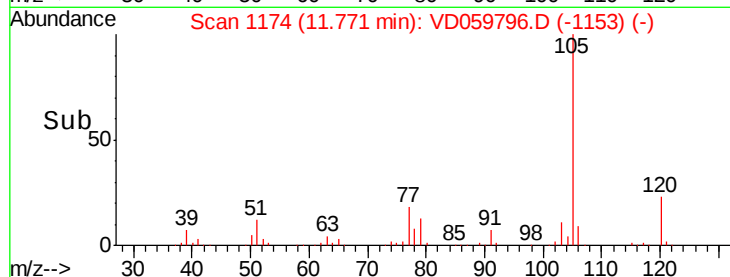
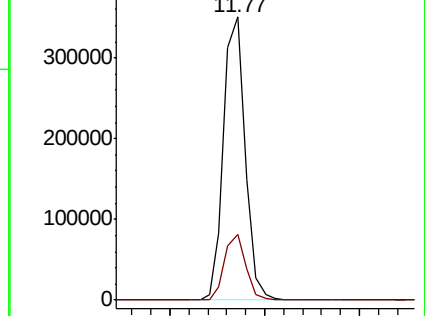
105 100

120 23.2 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.20 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Tgt Ion: 43 Resp: 176189

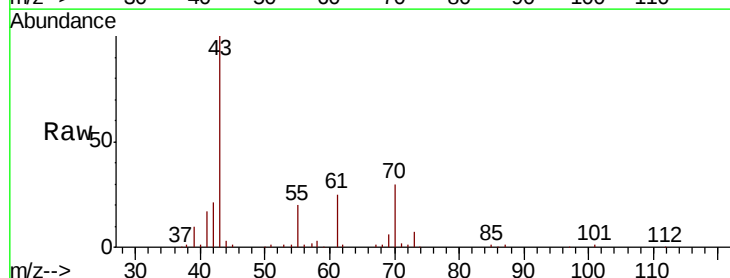
Ion Ratio Lower Upper

43 100

70 29.6 21.8 32.6

55 20.2 15.1 22.7

61 24.9 18.0 27.0

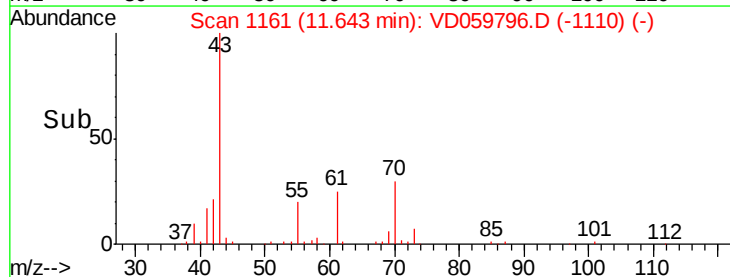
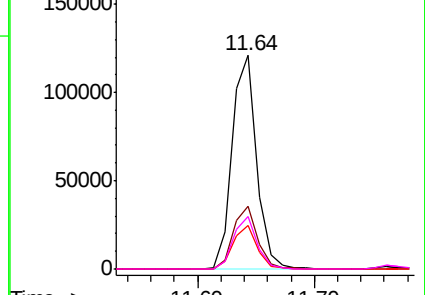


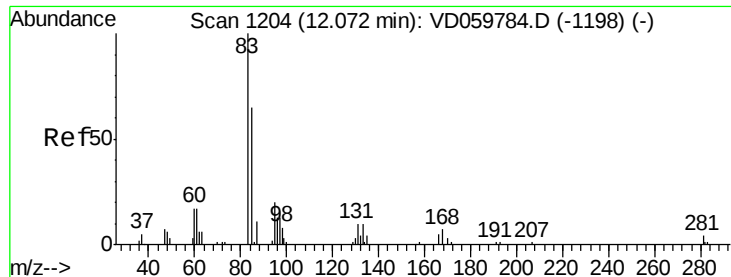
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.99 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

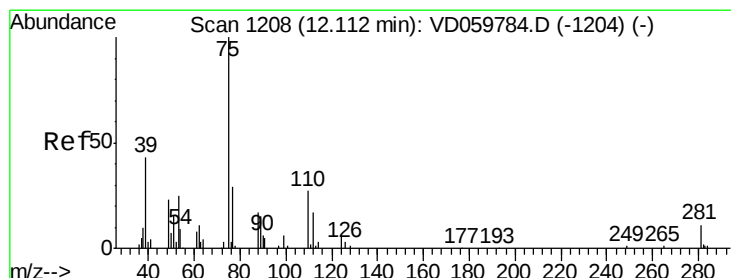
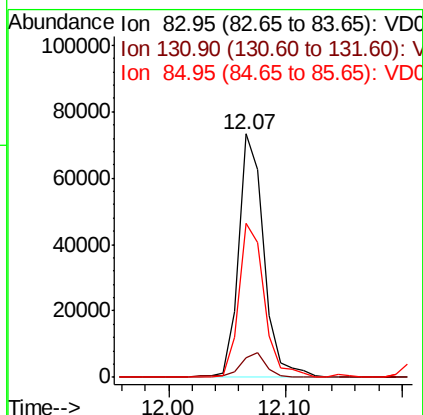
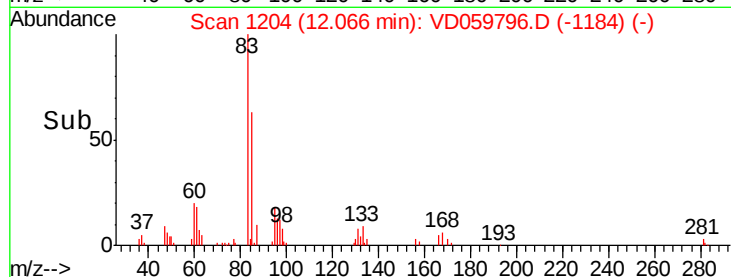
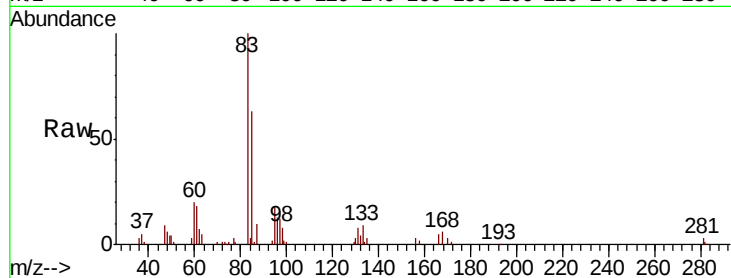
Tot Ion: 83 Resp: 109371

Ion Ratio Lower Upper

83 100

131 8.2 5.0 15.0

85 63.5 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 48.05 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059796.D

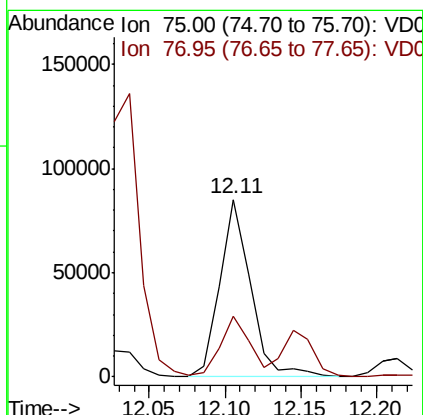
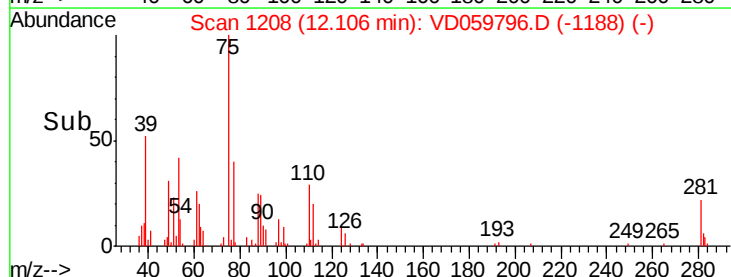
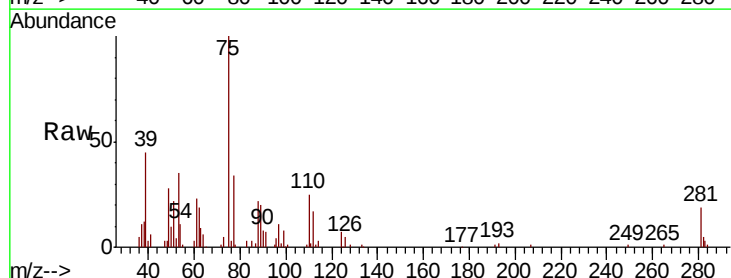
Acq: 15 Aug 2018 14:59

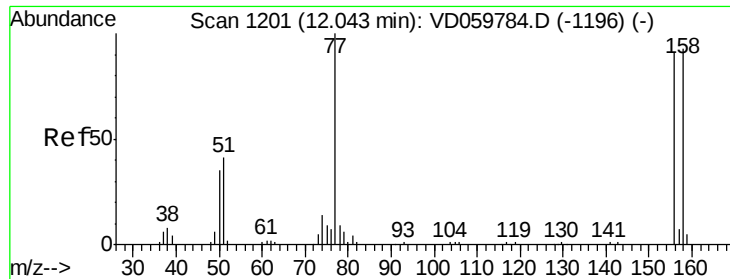
Tgt Ion: 75 Resp: 120835

Ion Ratio Lower Upper

75 100

77 34.1 16.2 48.6





#77

Bromobenzene

Concen: 49.05 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

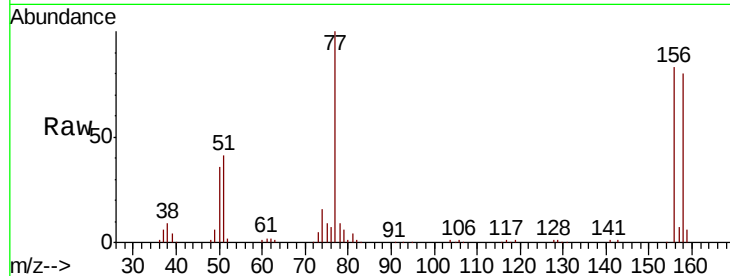
Tot Ion:156 Resp: 157287

Ion Ratio Lower Upper

156 100

77 120.9 54.9 164.8

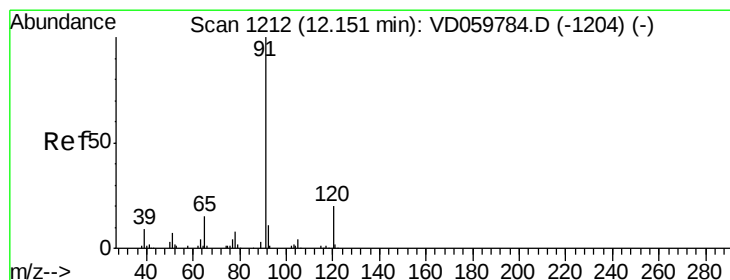
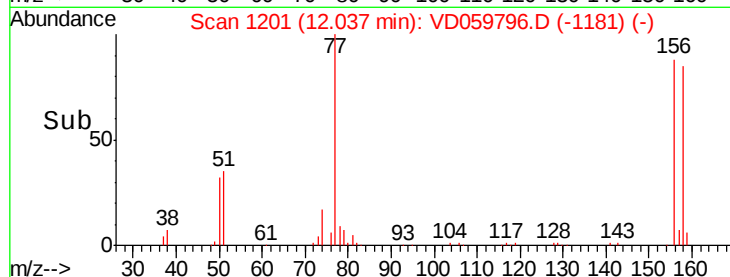
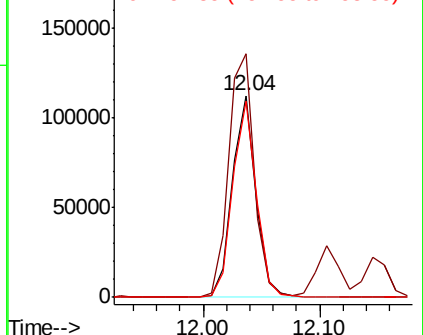
158 97.2 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.17 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059796.D

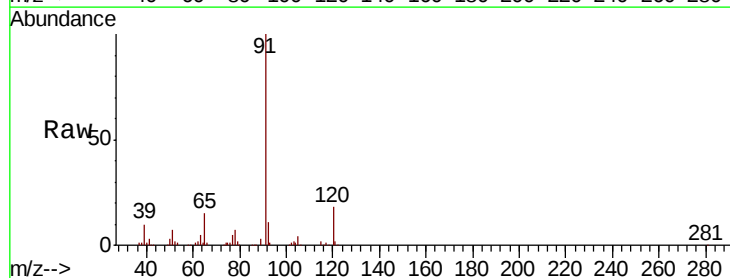
Acq: 15 Aug 2018 14:59

Tgt Ion: 91 Resp: 688268

Ion Ratio Lower Upper

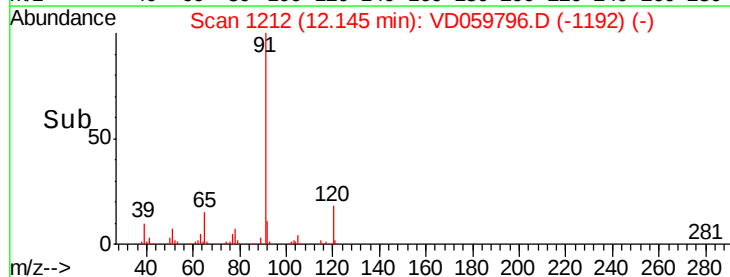
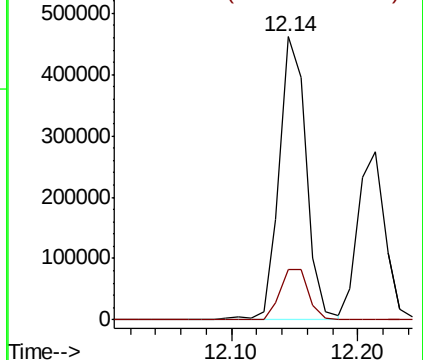
91 100

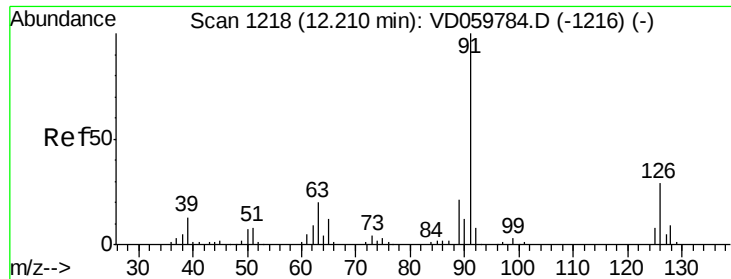
120 18.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

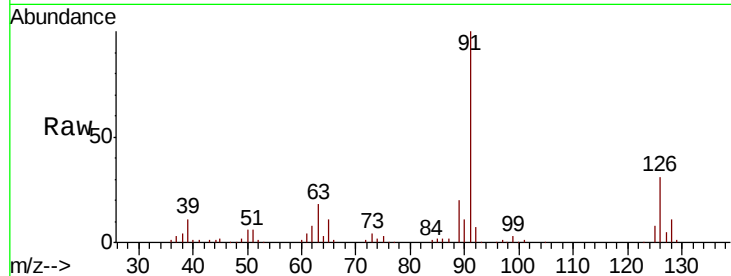




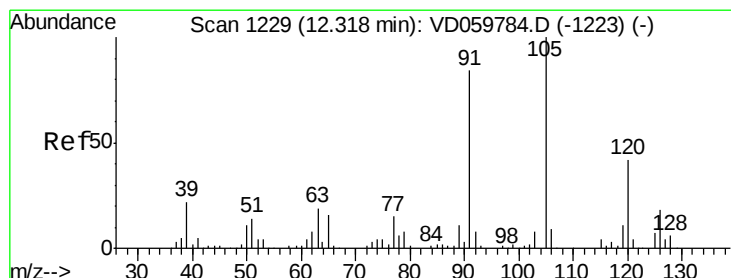
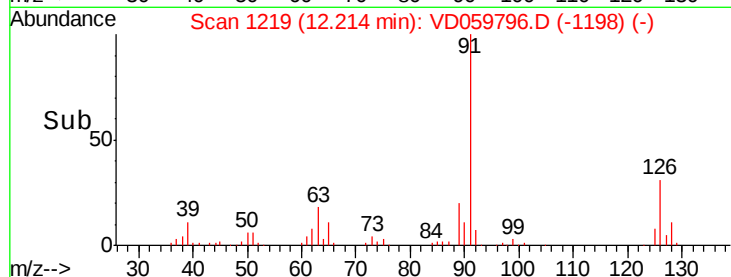
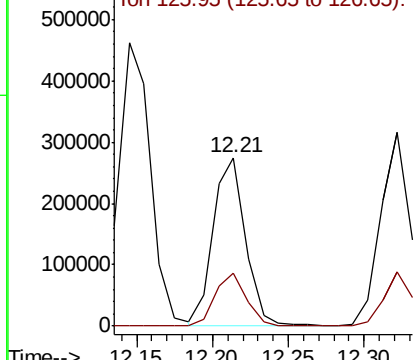
#79
 2-Chlorotoluene
 Concen: 48.11 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 406118
 Ion Ratio Lower Upper
 91 100
 126 31.3 14.0 41.9

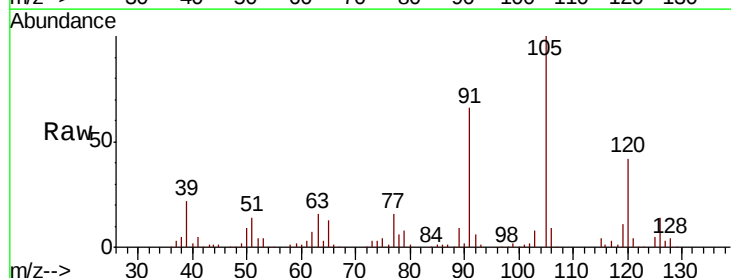


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

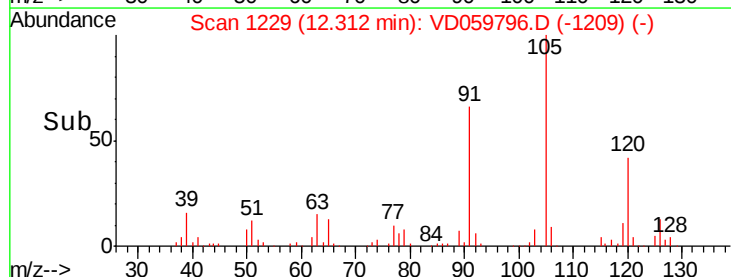
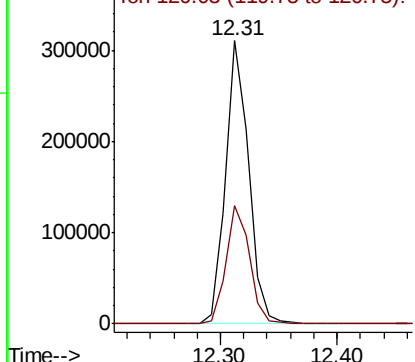


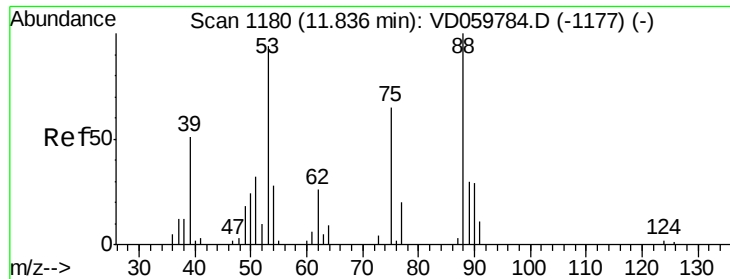
#80
 1,3,5-Trimethylbenzene
 Concen: 47.60 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 105 Resp: 427708
 Ion Ratio Lower Upper
 105 100
 120 42.0 20.8 62.5



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: 57.16 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

Instrument :

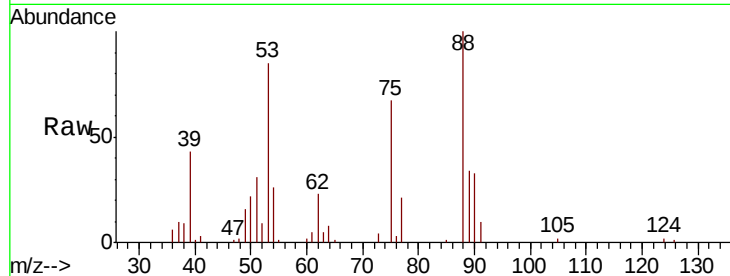
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 33629

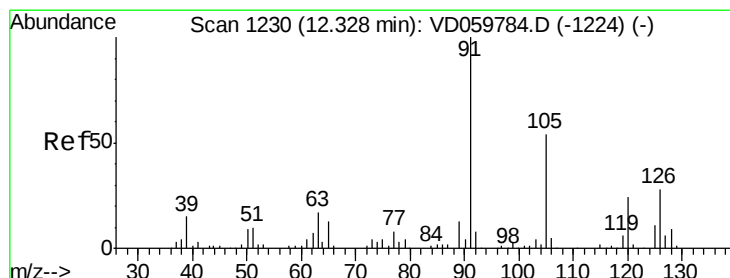
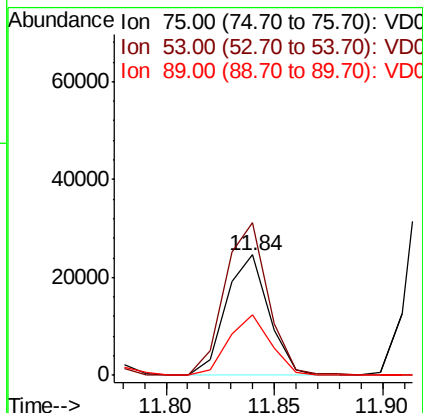
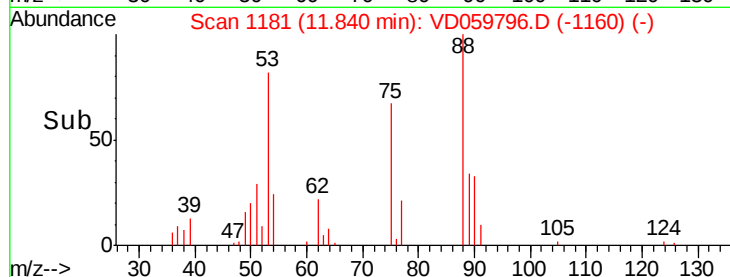
Ion	Ratio	Lower	Upper
75	100		
53	126.6	116.2	174.2
89	49.9	37.0	55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.39 ug/l

RT: 12.32 min Scan# 1230

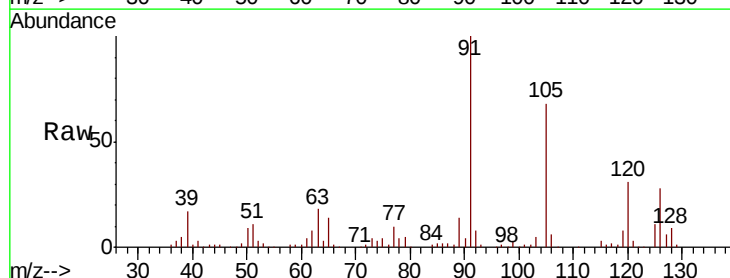
Delta R.T. -0.01 min

Lab File: VD059796.D

Acq: 15 Aug 2018 14:59

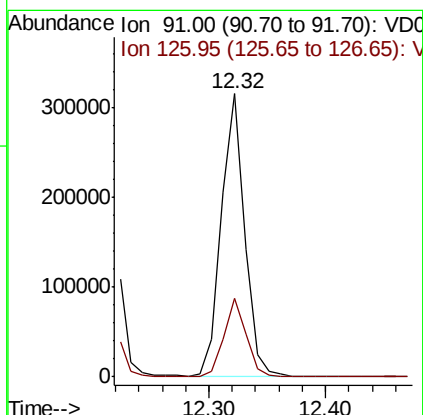
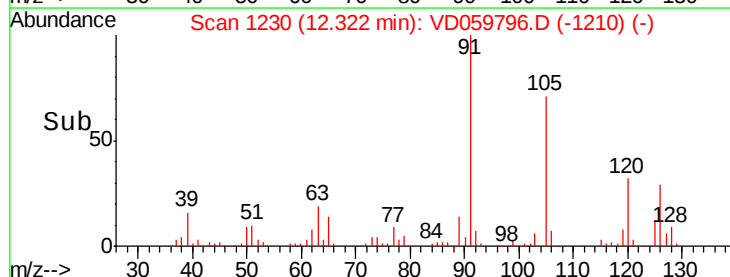
Tgt Ion: 91 Resp: 434886

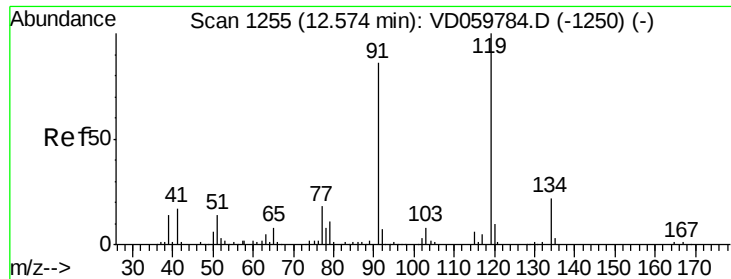
Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

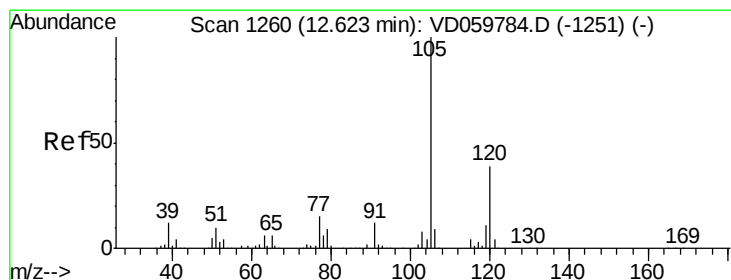
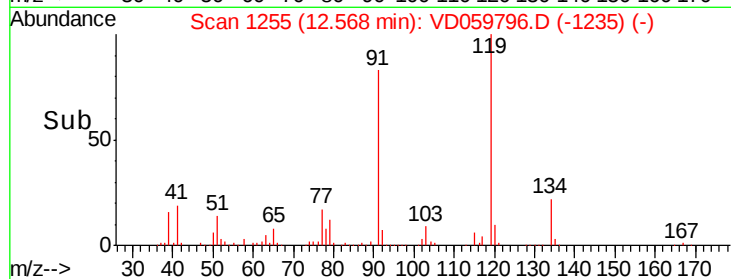
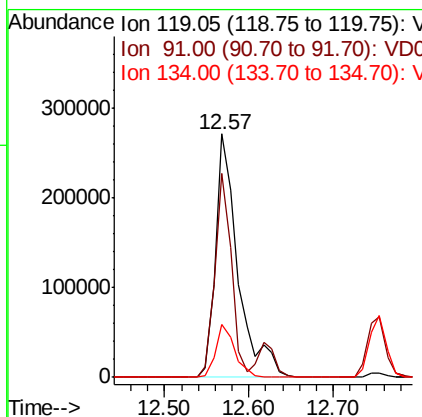
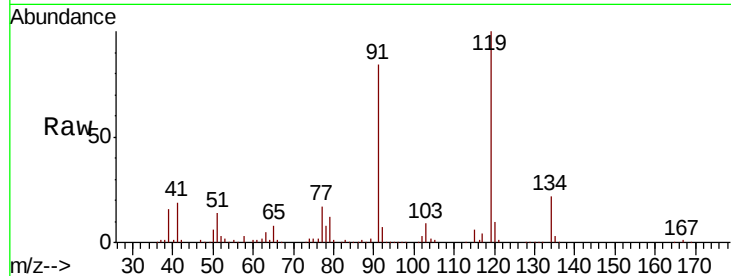




#83
 tert-Butylbenzene
 Concen: 50.50 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

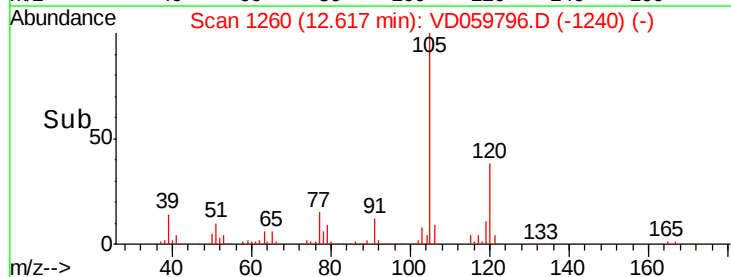
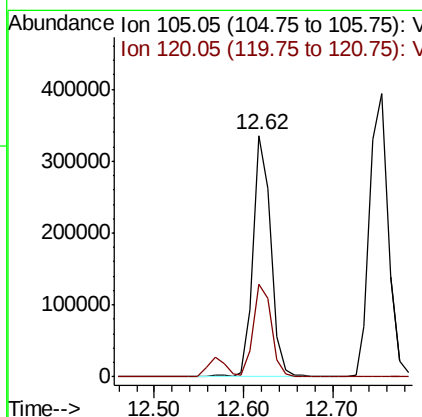
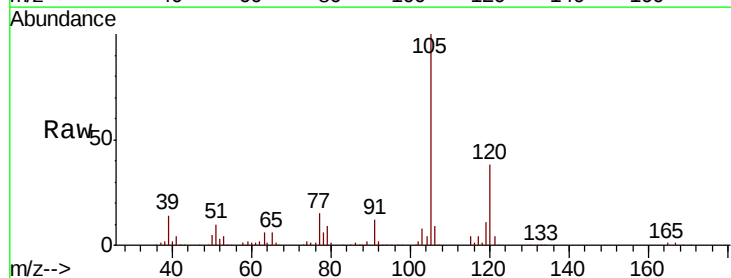
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

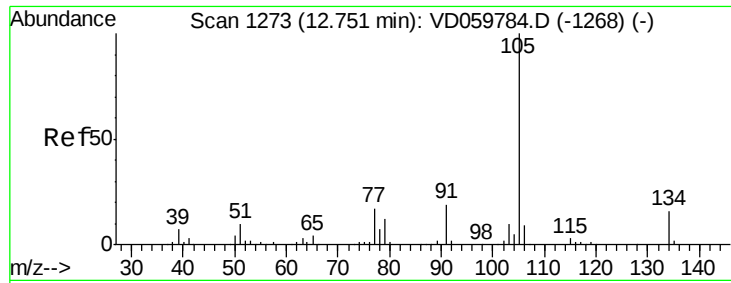
Tot Ion:119 Resp: 501410
 Ion Ratio Lower Upper
 119 100
 91 83.7 43.1 129.3
 134 22.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.25 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:105 Resp: 457555
 Ion Ratio Lower Upper
 105 100
 120 38.3 19.6 58.8

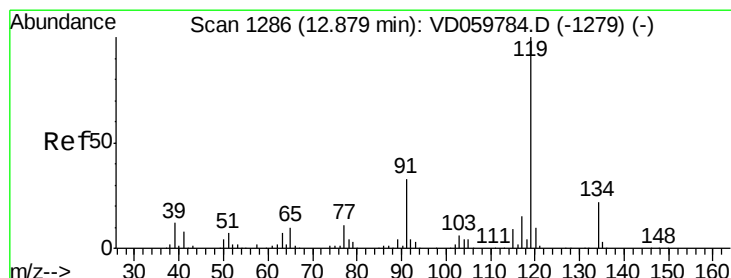
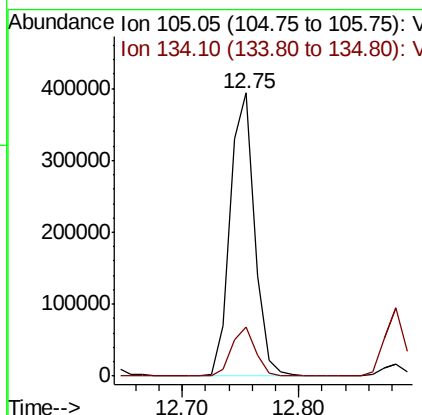
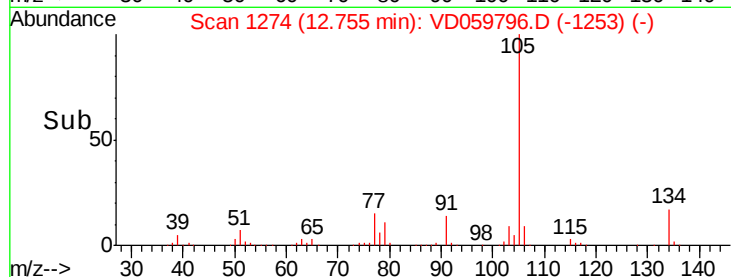
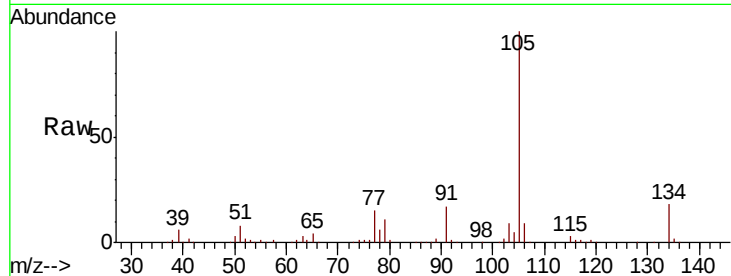




#85
 sec-Butylbenzene
 Concen: 49.45 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

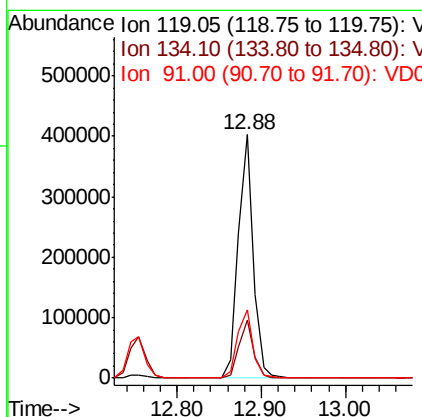
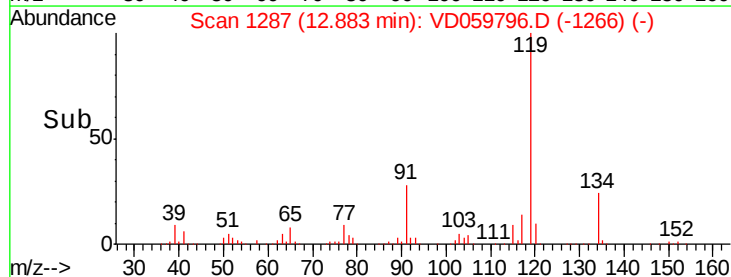
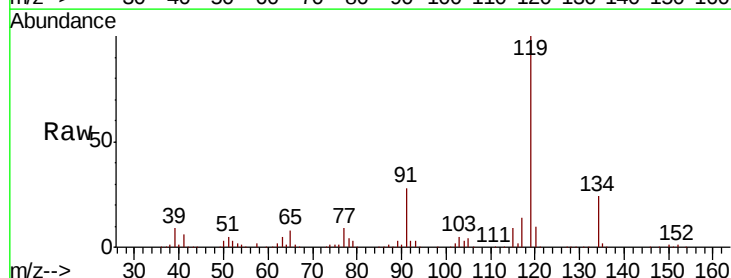
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

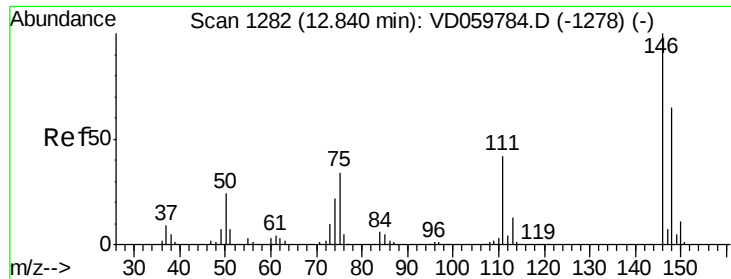
Tot Ion:105 Resp: 569025
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 51.65 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:119 Resp: 497366
 Ion Ratio Lower Upper
 119 100
 134 23.7 10.9 32.6
 91 27.9 16.4 49.4

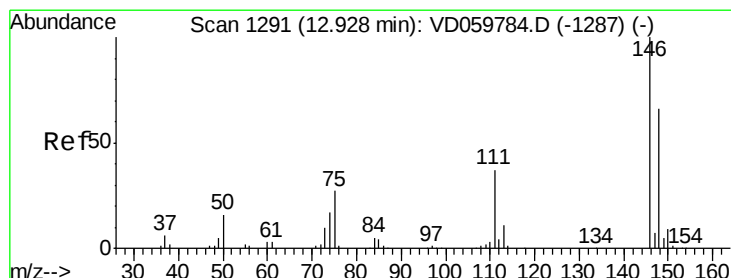
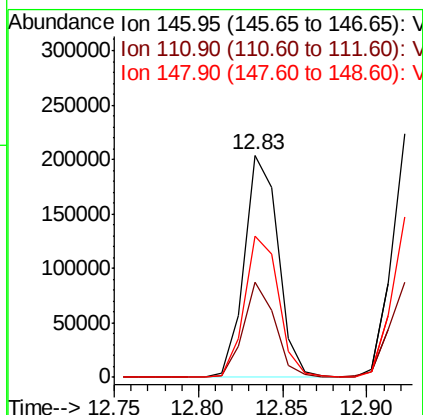
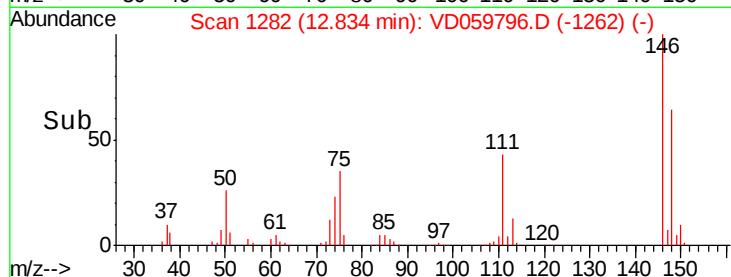
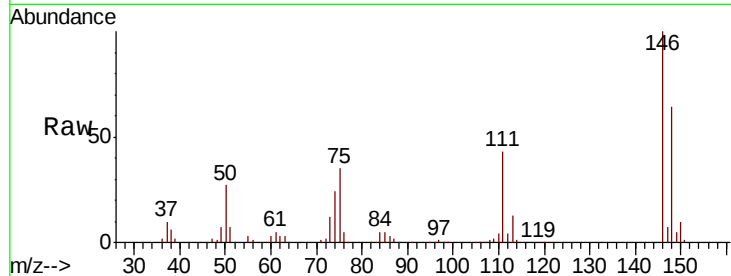




#87
 1,3-Dichlorobenzene
 Concen: 49.41 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

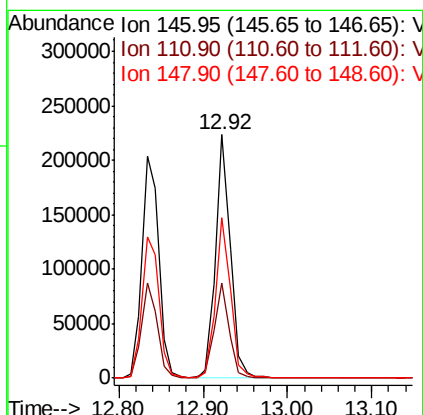
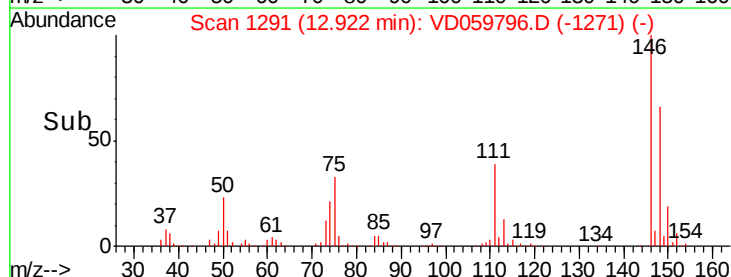
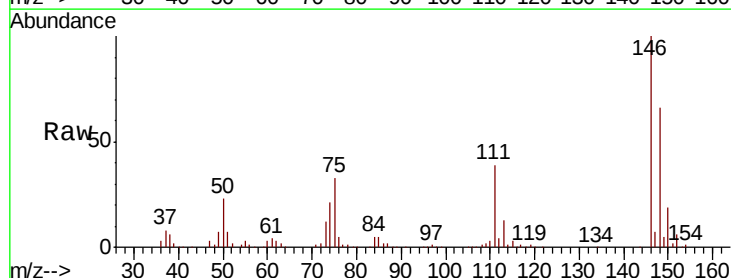
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

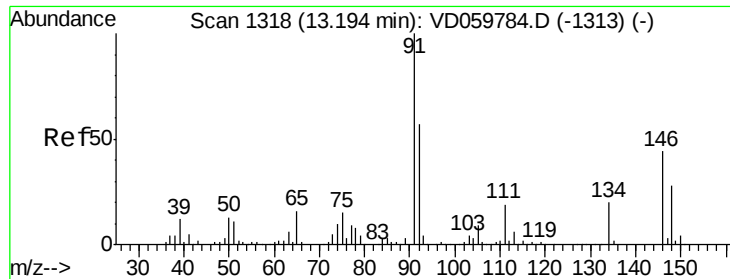
Tot Ion:146 Resp: 284152
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.9 62.8
 148 63.7 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 48.30 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion:146 Resp: 275371
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.6 55.6
 148 66.0 33.0 99.0

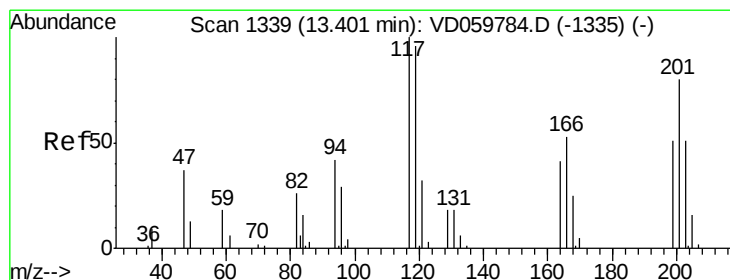
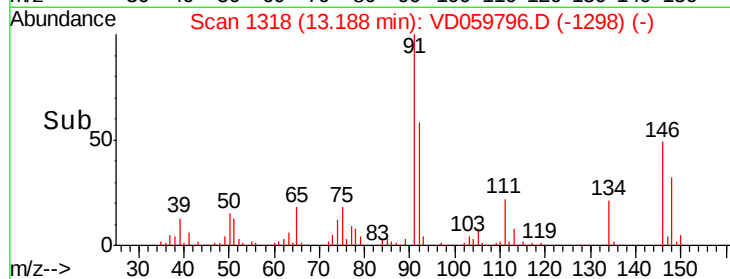
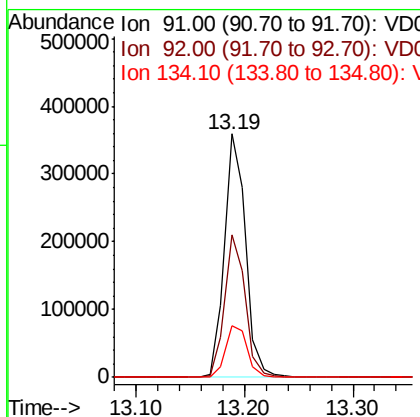
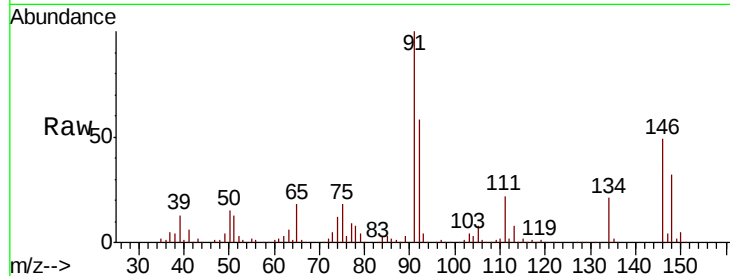




#89
n-Butylbenzene
Concen: 50.54 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

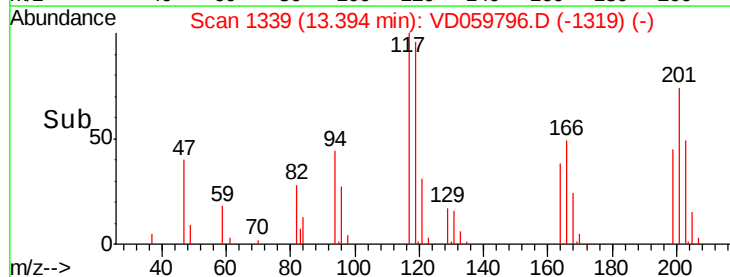
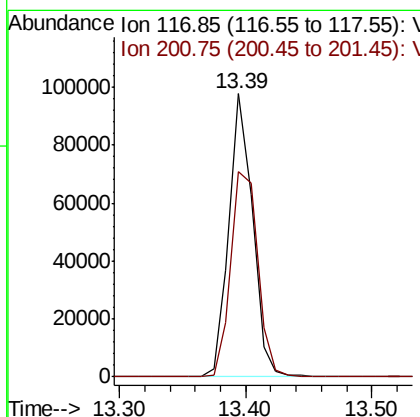
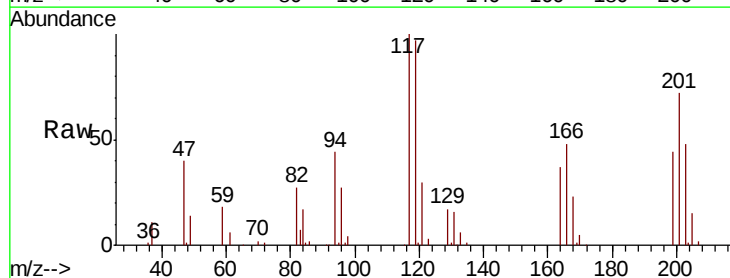
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

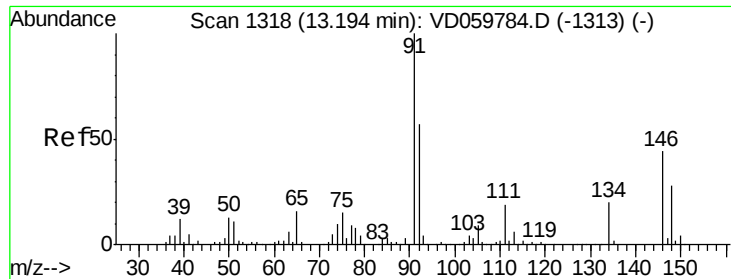
Tot Ion: 91 Resp: 492042
Ion Ratio Lower Upper
91 100
92 58.3 28.4 85.3
134 20.9 10.2 30.4



#90
Hexachloroethane
Concen: 52.35 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion: 117 Resp: 126497
Ion Ratio Lower Upper
117 100
201 72.4 39.9 119.7

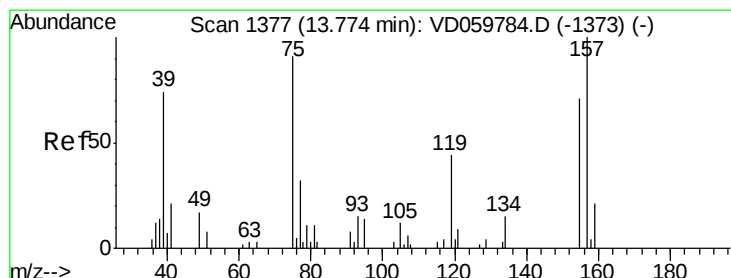
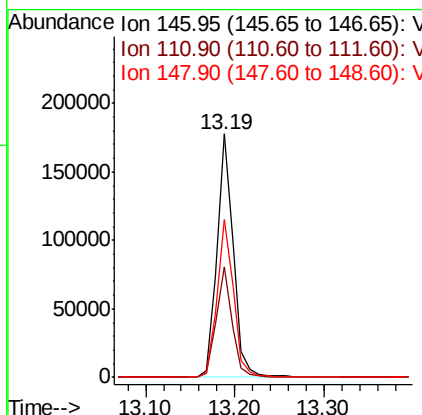
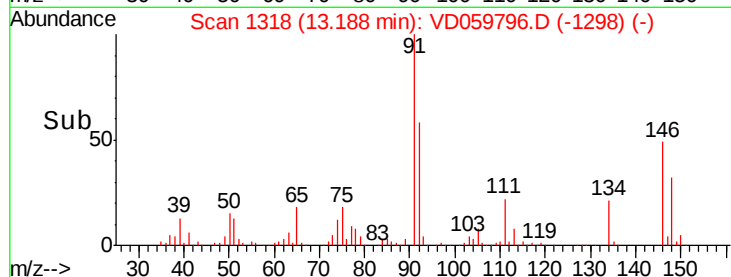
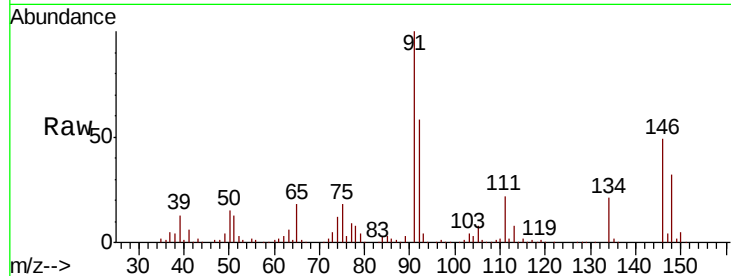




#91
 1,2-Dichlorobenzene
 Concen: 48.04 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

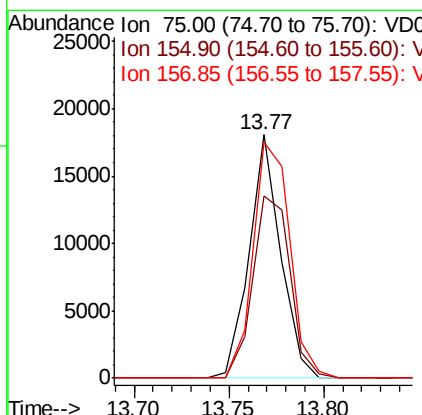
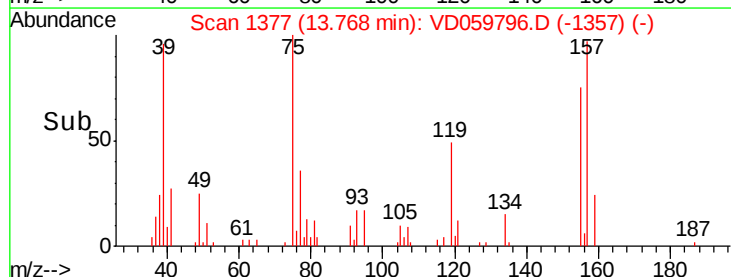
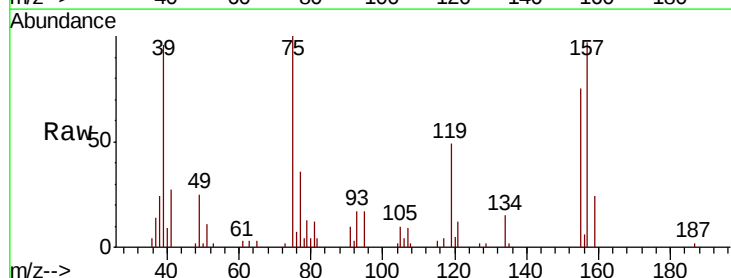
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

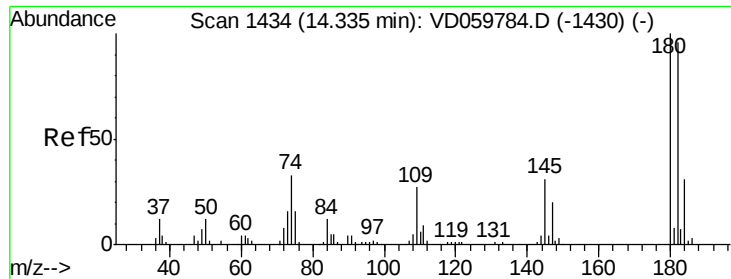
Tot Ion:146 Resp: 227224
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.1
 148 64.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.07 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion: 75 Resp: 20765
 Ion Ratio Lower Upper
 75 100
 155 75.0 39.0 117.0
 157 96.9 54.8 164.3

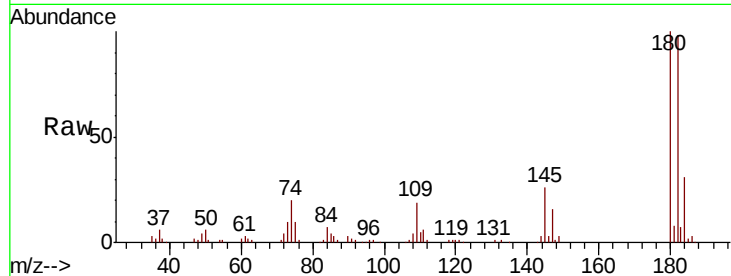




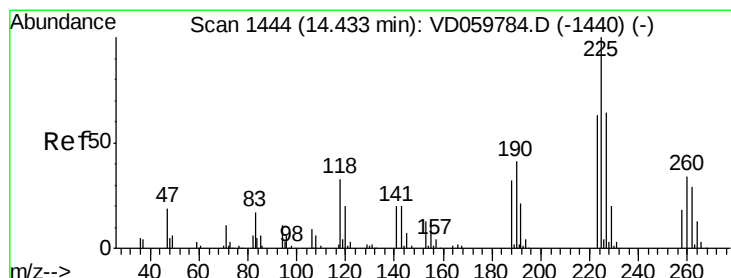
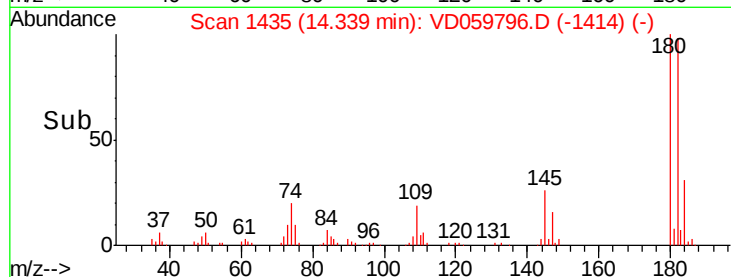
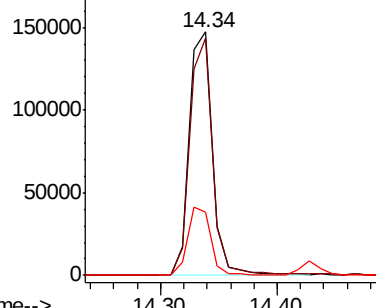
#93
 1,2,4-Trichlorobenzene
 Concen: 51.44 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.0	144.0
145	25.8	15.5	46.5

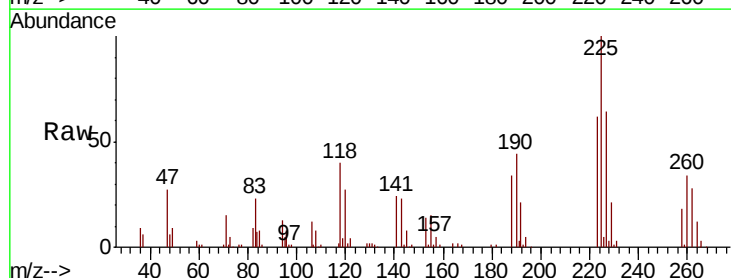


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

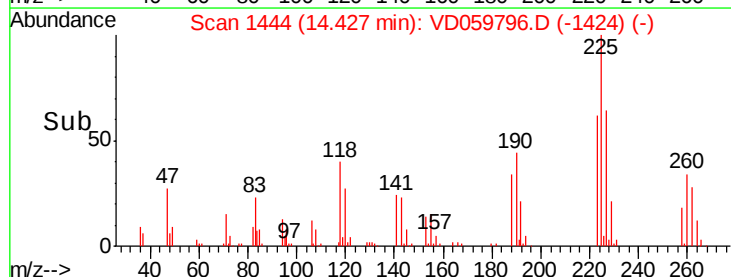
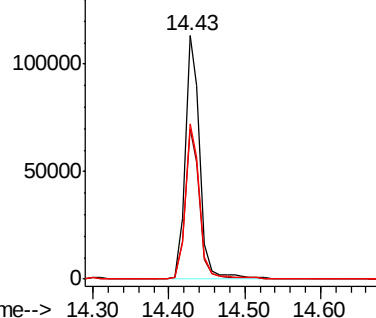


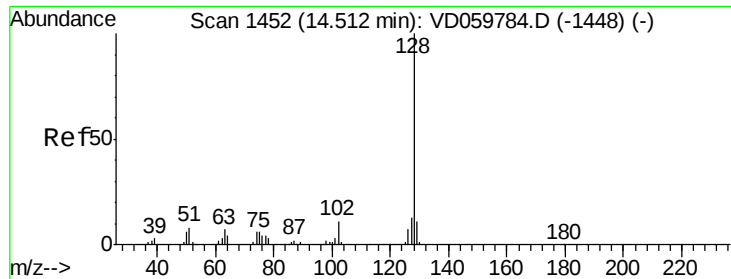
#94
 Hexachlorobutadiene
 Concen: 53.58 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059796.D
 Acq: 15 Aug 2018 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.4	94.2
227	63.8	32.1	96.5



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

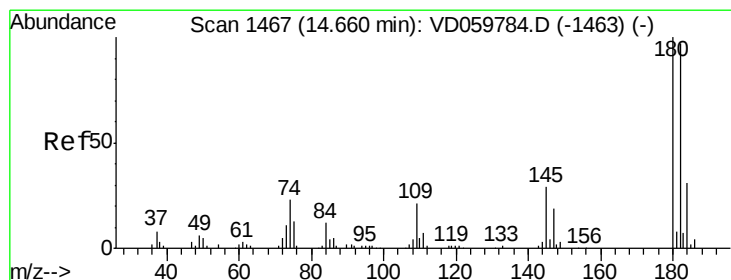
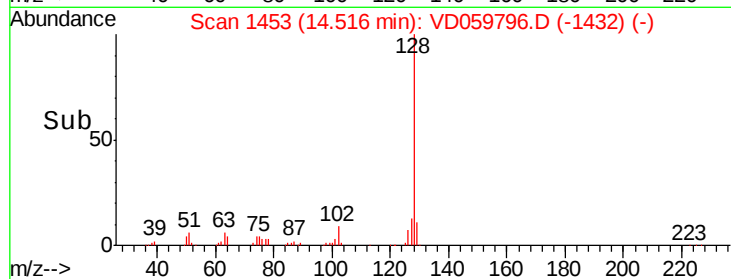
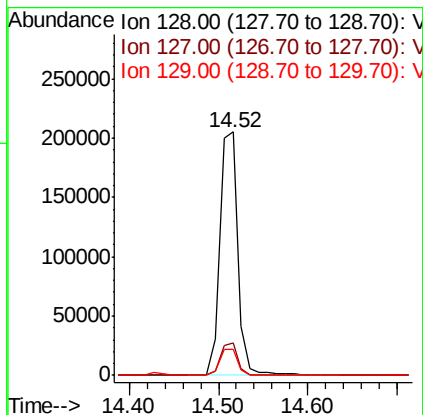
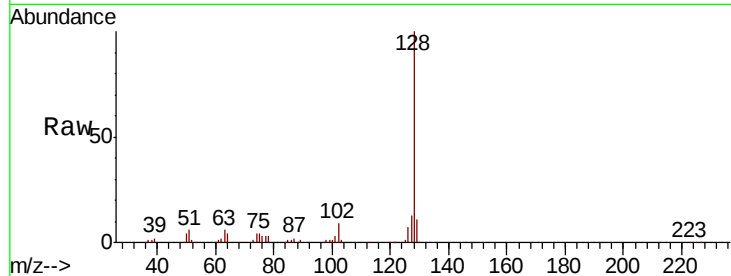




#95
Naphthalene
Concen: 48.15 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.00 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 291559
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 52.60 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VD059796.D
Acq: 15 Aug 2018 14:59

Tgt Ion:180 Resp: 183571
Ion Ratio Lower Upper
180 100
182 95.5 48.5 145.5
145 31.3 14.3 42.9

